284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Cover Page

**Order ID :** P4934

**Project ID :** CTO WE13

**Client :** Tetra Tech NUS, Inc.

| Lab Sample Number | Client Sample Number |
|---|---|
| P4934-01 | TB01-20241118 |
| P4934-02 | BPOW6-11-20241118 |
| P4934-03 | BPOW6-7-20241118 |
| P4934-04 | DUP01-20241118 |
| P4934-05 | BPOW6-10-20241119 |
| P4934-06 | BPOW6-10-20241119MS |
| P4934-07 | BPOW6-10-20241119MSD |
| P4934-08 | BPOW6-9-20241119 |
| P4934-09 | FB01-20241119 |
| P4934-10 | BPOW6-8-20241119 |
| P4934-11 | RB01-20241119 |
| P4934-12 | DUP02-20241119 |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/12/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Tetra Tech NUS, Inc.**
**Project Name: CTO WE13**
**Project Manager: Ernie Wu**
**Chemtech Project # P4934**
**Test Name: VOCMS Group1**

**A. Number of Samples and Date of Receipt:**
12 Water samples were received on 11/20/2024.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group1 was based on method 8260.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .

The RPD for {P4934-07MSD} with File ID: VX043974.D met criteria except for Trichlorofluoromethane[25%]failing high due to difference in results of MS-MSD.

The Blank Spike for {VX1121WBS01} with File ID: VX043935.D met requirements for all samples except for Trichloroethene[78%]failing marginally low therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

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**E. Additional Comments:**

This data package has been revised due to client ID changed for sample#01, 04, 09, 11, 12 as per client request.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Sample # BPOW6-7-20241118, BPOW6-9-20241119, FB01-20241119 have the Concentration of target compound below, Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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# DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

# ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

## GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4934 MATRIX: Water

METHOD: 8260D

| | | NA | NO | YES |
|---|---|---|---|---|
| 1. | Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks) | | | ✓ |
| 2. | GC/MS Tuning Specifications<br>BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ) | | | ✓ |
| 3. | GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series. | | | ✓ |
| 4. | GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series. | | | ✓ |
| 5. | GC/MS Calibration Requirements.<br>The %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for Bromoform this compound is passing on Quadratic Regression.<br>The Continuous Calibration met the requirements . | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable ranges. | | | ✓ |
| 8. | Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria<br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br>The Blank Spike for {VX1121WBS01} with File ID: VX043935.D met requirements for all samples except for Trichloroethene[78%]failing marginally low therefore no corrective action taken.<br>The RPD for {P4934-07MSD} with File ID: VX043974.D met criteria except for Trichlorofluoromethane[25%]failing high due to difference in results of MS-MSD. | | ✓ | |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria | | | ✓ |

Comments:

**GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)**

| | | NA | NO | YES |
|---|---|---|---|---|
| 10. | Analysis Holding Time Met | | | ✓ |
| | If not met, list number of days exceeded for each sample: | | | |

ADDITIONAL COMMENTS:

This data package has been revised due to client ID changed for sample#01, 04, 09, 11, 12 as per client request.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

The Sample # BPOW6-7-20241118, BPOW6-9-20241119, FB01-20241119 have the Concentration of target compound below, Method detection limits, therefore it is not reported as Hit in Form1.

Samples for MS/MSD for VOC analysis were not provided with this set of samples.

The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the % RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **P4934**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **12/12/2024**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4934 | **OrderDate:** | 11/20/2024 11:23:00 AM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | CTO WE13 |
| **Contact:** | Ernie Wu | **Location:** | L61,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4934-01** | **TB01-20241118** | **Water** | | | **11/18/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-02** | **BPOW6-11-20241118** | **Water** | | | **11/18/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-03** | **BPOW6-7-20241118** | **Water** | | | **11/18/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-04** | **DUP01-20241118** | **Water** | | | **11/18/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-05** | **BPOW6-10-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-08** | **BPOW6-9-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-09** | **FB01-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-10** | **BPOW6-8-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-11** | **RB01-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |
| **P4934-12** | **DUP02-20241119** | **Water** | | | **11/19/24** | | | **11/20/24** |
| | | | VOCMS Group1 | 8260-Low | | | 11/21/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **TB01-20241118** | | | | | | | | |
| P4934-01 | TB01-20241118 | Water | Chloromethane | 0.43 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P4934-01 | TB01-20241118 | Water | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.83 | | | | | |
| | | | **Total Concentration:** | 1.83 | | | | | |
| **Client ID:** | **BPOW6-11-20241118** | | | | | | | | |
| P4934-02 | BPOW6-11-202411 | Water | Chloromethane | 0.47 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P4934-02 | BPOW6-11-202411 | Water | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.97 | | | | | |
| | | | **Total Concentration:** | 1.97 | | | | | |
| **Client ID:** | **BPOW6-7-20241118** | | | | | | | | |
| P4934-03 | BPOW6-7-2024111 | Water | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.60 | | | | | |
| | | | **Total Concentration:** | 1.60 | | | | | |
| **Client ID:** | **DUP01-20241118** | | | | | | | | |
| P4934-04 | DUP01-20241118 | Water | Acetone | 1.90 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.90 | | | | | |
| | | | **Total Concentration:** | 1.90 | | | | | |
| **Client ID:** | **BPOW6-10-20241119** | | | | | | | | |
| P4934-05 | BPOW6-10-202411 | Water | Chloromethane | 0.36 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P4934-05 | BPOW6-10-202411 | Water | Acetone | 1.90 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 2.26 | | | | | |
| | | | **Total Concentration:** | 2.26 | | | | | |
| **Client ID:** | **BPOW6-9-20241119** | | | | | | | | |
| P4934-08 | BPOW6-9-2024111 | Water | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.60 | | | | | |
| | | | **Total Concentration:** | 1.60 | | | | | |
| **Client ID:** | **FB01-20241119** | | | | | | | | |
| P4934-09 | FB01-20241119 | Water | Acetone | 2.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 2.30 | | | | | |
| | | | **Total Concentration:** | 2.30 | | | | | |
| **Client ID:** | **BPOW6-8-20241119** | | | | | | | | |
| P4934-10 | BPOW6-8-2024111 | Water | Chloromethane | 0.45 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P4934-10 | BPOW6-8-2024111 | Water | Acetone | 1.80 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 2.25 | | | | | |
| | | | **Total Concentration:** | 2.25 | | | | | |
| **Client ID:** | **RB01-20241119** | | | | | | | | |
| P4934-11 | RB01-20241119 | Water | Chloromethane | 0.37 | J | 0.35 | 0.50 | 1.00 | ug/L |
| P4934-11 | RB01-20241119 | Water | Acetone | 3.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 3.67 | | | | | |
| | | | **Total Concentration:** | 3.67 | | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **DUP02-20241119** | | | | | | | | |
| P4934-12 | DUP02-20241119 | Water | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 1.50 | | | | | |
| | | | **Total Concentration:** | 1.50 | | | | | |

# QC
# SUMMARY

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# Surrogate Summary

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| P4934-01 | TB01-20241118 | 1,2-Dichloroethane-d4 | 50 | 48.6 | 97 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 45.8 | 92 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.2 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.7 | 99 | 85 | 114 |
| P4934-02 | BPOW6-11-20241118 | 1,2-Dichloroethane-d4 | 50 | 50.2 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.6 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.6 | 97 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.3 | 93 | 85 | 114 |
| P4934-03 | BPOW6-7-20241118 | 1,2-Dichloroethane-d4 | 50 | 48.7 | 97 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 45.8 | 92 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.2 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.5 | 97 | 85 | 114 |
| P4934-04 | DUP01-20241118 | 1,2-Dichloroethane-d4 | 50 | 49.5 | 99 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.7 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.1 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.1 | 94 | 85 | 114 |
| P4934-05 | BPOW6-10-20241119 | 1,2-Dichloroethane-d4 | 50 | 50.1 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.2 | 92 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.8 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 85 | 114 |
| P4934-06MS | BPOW6-10-20241119MS | 1,2-Dichloroethane-d4 | 50 | 52.5 | 105 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 49.3 | 99 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.1 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.5 | 101 | 85 | 114 |
| P4934-07MSD | BPOW6-10-20241119MSD | 1,2-Dichloroethane-d4 | 50 | 55.5 | 111 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 54.7 | 109 | 80 | 119 |
| | | Toluene-d8 | 50 | 54.5 | 109 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.2 | 108 | 85 | 114 |
| P4934-08 | BPOW6-9-20241119 | 1,2-Dichloroethane-d4 | 50 | 49.9 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.1 | 94 | 80 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 45.9 | 92 | 85 | 114 |
| P4934-09 | FB01-20241119 | 1,2-Dichloroethane-d4 | 50 | 49.4 | 99 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.1 | 92 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.1 | 100 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.5 | 95 | 85 | 114 |
| P4934-10 | BPOW6-8-20241119 | 1,2-Dichloroethane-d4 | 50 | 49.0 | 98 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.0 | 92 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.5 | 97 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.1 | 94 | 85 | 114 |
| P4934-11 | RB01-20241119 | 1,2-Dichloroethane-d4 | 50 | 49.9 | 100 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.4 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 51.0 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.3 | 100 | 85 | 114 |
| P4934-12 | DUP02-20241119 | 1,2-Dichloroethane-d4 | 50 | 50.7 | 101 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 45.4 | 91 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.9 | 98 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.6 | 95 | 85 | 114 |
| VX1121WBL01 | VX1121WBL01 | 1,2-Dichloroethane-d4 | 50 | 49.5 | 99 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.0 | 92 | 80 | 119 |

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# Surrogate Summary

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| VX1121WBL01 | VX1121WBL01 | Toluene-d8 | 50 | 49.5 | 99 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 49.0 | 98 | 85 | 114 |
| VX1121WBS01 | VX1121WBS01 | 1,2-Dichloroethane-d4 | 50 | 50.8 | 102 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.8 | 96 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.3 | 97 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 48.5 | 97 | 85 | 114 |
| VX1122WBL01 | VX1122WBL01 | 1,2-Dichloroethane-d4 | 50 | 50.7 | 101 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.6 | 93 | 80 | 119 |
| | | Toluene-d8 | 50 | 48.7 | 97 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 47.9 | 96 | 85 | 114 |
| VX1122WBS01 | VX1122WBS01 | 1,2-Dichloroethane-d4 | 50 | 54.0 | 108 | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.5 | 101 | 80 | 119 |
| | | Toluene-d8 | 50 | 50.9 | 102 | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.4 | 101 | 85 | 114 |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : P4934-06MS** | | **Client Sample ID : BPOW6-10-20241119MS** | | | | | | **Datafile :** VX043973.D | | | |
| Chloromethane | 50 | 0.36 | 51.8 | ug/L | 103 | | | | 50 | 139 | |
| Vinyl chloride | 50 | 0 | 50.0 | ug/L | 100 | | | | 58 | 137 | |
| Bromomethane | 50 | 0 | 55.4 | ug/L | 111 | | | | 53 | 141 | |
| Chloroethane | 50 | 0 | 51.5 | ug/L | 103 | | | | 60 | 138 | |
| Trichlorofluoromethane | 50 | 0 | 48.1 | ug/L | 96 | | | | 65 | 141 | |
| 1,1,2-Trichlorotrifluoroethane | 50 | 0 | 49.2 | ug/L | 98 | | | | 70 | 136 | |
| 1,1-Dichloroethene | 50 | 0 | 49.0 | ug/L | 98 | | | | 71 | 131 | |
| Acetone | 250 | 1.90 | 200 | ug/L | 79 | | | | 39 | 160 | |
| Carbon disulfide | 50 | 0 | 42.7 | ug/L | 85 | | | | 64 | 133 | |
| Methyl tert-butyl Ether | 50 | 0 | 52.4 | ug/L | 105 | | | | 71 | 124 | |
| Methylene Chloride | 50 | 0 | 49.5 | ug/L | 99 | | | | 74 | 124 | |
| trans-1,2-Dichloroethene | 50 | 0 | 51.2 | ug/L | 102 | | | | 75 | 124 | |
| 1,1-Dichloroethane | 50 | 0 | 53.2 | ug/L | 106 | | | | 77 | 125 | |
| 2-Butanone | 250 | 0 | 240 | ug/L | 96 | | | | 56 | 143 | |
| Carbon Tetrachloride | 50 | 0 | 47.0 | ug/L | 94 | | | | 72 | 136 | |
| cis-1,2-Dichloroethene | 50 | 0 | 52.1 | ug/L | 104 | | | | 78 | 123 | |
| Chloroform | 50 | 0 | 52.3 | ug/L | 105 | | | | 79 | 124 | |
| 1,1,1-Trichloroethane | 50 | 0 | 53.3 | ug/L | 107 | | | | 74 | 131 | |
| Methylcyclohexane | 50 | 0 | 45.2 | ug/L | 90 | | | | 72 | 132 | |
| Benzene | 50 | 0 | 49.1 | ug/L | 98 | | | | 79 | 120 | |
| 1,2-Dichloroethane | 50 | 0 | 50.1 | ug/L | 100 | | | | 73 | 128 | |
| Trichloroethene | 50 | 0 | 41.9 | ug/L | 84 | | | | 79 | 123 | |
| 1,2-Dichloropropane | 50 | 0 | 51.0 | ug/L | 102 | | | | 78 | 122 | |
| Bromodichloromethane | 50 | 0 | 50.2 | ug/L | 100 | | | | 79 | 125 | |
| 4-Methyl-2-Pentanone | 250 | 0 | 250 | ug/L | 100 | | | | 67 | 130 | |
| Toluene | 50 | 0 | 49.6 | ug/L | 99 | | | | 80 | 121 | |
| t-1,3-Dichloropropene | 50 | 0 | 48.6 | ug/L | 97 | | | | 73 | 127 | |
| cis-1,3-Dichloropropene | 50 | 0 | 48.3 | ug/L | 97 | | | | 75 | 124 | |
| 1,1,2-Trichloroethane | 50 | 0 | 48.6 | ug/L | 97 | | | | 80 | 119 | |
| 2-Hexanone | 250 | 0 | 250 | ug/L | 100 | | | | 57 | 139 | |
| Dibromochloromethane | 50 | 0 | 48.7 | ug/L | 97 | | | | 74 | 126 | |
| Tetrachloroethene | 50 | 0 | 46.8 | ug/L | 94 | | | | 74 | 129 | |
| Chlorobenzene | 50 | 0 | 48.6 | ug/L | 97 | | | | 82 | 118 | |
| Ethyl Benzene | 50 | 0 | 50.0 | ug/L | 100 | | | | 79 | 121 | |
| m/p-Xylenes | 100 | 0 | 100 | ug/L | 100 | | | | 80 | 121 | |
| o-Xylene | 50 | 0 | 51.1 | ug/L | 102 | | | | 78 | 122 | |
| Styrene | 50 | 0 | 52.4 | ug/L | 105 | | | | 78 | 123 | |
| Bromoform | 50 | 0 | 43.1 | ug/L | 86 | | | | 66 | 130 | |
| Isopropylbenzene | 50 | 0 | 48.4 | ug/L | 97 | | | | 72 | 131 | |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 48.6 | ug/L | 97 | | | | 71 | 121 | |
| 1,3-Dichlorobenzene | 50 | 0 | 46.6 | ug/L | 93 | | | | 80 | 119 | |
| 1,4-Dichlorobenzene | 50 | 0 | 46.8 | ug/L | 94 | | | | 79 | 118 | |
| 1,2-Dichlorobenzene | 50 | 0 | 47.6 | ug/L | 95 | | | | 80 | 119 | |

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# Matrix Spike/Matrix Spike Duplicate Summary

## SW-846

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID : P4934-07MSD** | | **Client Sample ID : BPOW6-10-20241119MSD** | | | | | | **Datafile :** VX043974.D | | | |
| Chloromethane | 50 | 0.36 | 51.8 | ug/L | 103 | | 0 | | 50 | 139 | 20 |
| Vinyl chloride | 50 | 0 | 49.9 | ug/L | 100 | | 0 | | 58 | 137 | 20 |
| Bromomethane | 50 | 0 | 60.3 | ug/L | 121 | | 8 | | 53 | 141 | 20 |
| Chloroethane | 50 | 0 | 54.2 | ug/L | 108 | | 5 | | 60 | 138 | 20 |
| Trichlorofluoromethane | 50 | 0 | 62.0 | ug/L | 124 | | 25 | * | 65 | 141 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 50 | 0 | 50.6 | ug/L | 101 | | 3 | | 70 | 136 | 20 |
| 1,1-Dichloroethene | 50 | 0 | 51.6 | ug/L | 103 | | 5 | | 71 | 131 | 20 |
| Acetone | 250 | 1.90 | 210 | ug/L | 83 | | 5 | | 39 | 160 | 20 |
| Carbon disulfide | 50 | 0 | 49.1 | ug/L | 98 | | 14 | | 64 | 133 | 20 |
| Methyl tert-butyl Ether | 50 | 0 | 56.8 | ug/L | 114 | | 8 | | 71 | 124 | 20 |
| Methylene Chloride | 50 | 0 | 52.9 | ug/L | 106 | | 7 | | 74 | 124 | 20 |
| trans-1,2-Dichloroethene | 50 | 0 | 55.1 | ug/L | 110 | | 7 | | 75 | 124 | 20 |
| 1,1-Dichloroethane | 50 | 0 | 56.5 | ug/L | 113 | | 6 | | 77 | 125 | 20 |
| 2-Butanone | 250 | 0 | 250 | ug/L | 100 | | 4 | | 56 | 143 | 20 |
| Carbon Tetrachloride | 50 | 0 | 54.3 | ug/L | 109 | | 14 | | 72 | 136 | 20 |
| cis-1,2-Dichloroethene | 50 | 0 | 55.7 | ug/L | 111 | | 7 | | 78 | 123 | 20 |
| Chloroform | 50 | 0 | 56.6 | ug/L | 113 | | 8 | | 79 | 124 | 20 |
| 1,1,1-Trichloroethane | 50 | 0 | 58.0 | ug/L | 116 | | 8 | | 74 | 131 | 20 |
| Methylcyclohexane | 50 | 0 | 50.4 | ug/L | 101 | | 11 | | 72 | 132 | 20 |
| Benzene | 50 | 0 | 54.8 | ug/L | 110 | | 11 | | 79 | 120 | 20 |
| 1,2-Dichloroethane | 50 | 0 | 55.9 | ug/L | 112 | | 11 | | 73 | 128 | 20 |
| Trichloroethene | 50 | 0 | 47.3 | ug/L | 95 | | 12 | | 79 | 123 | 20 |
| 1,2-Dichloropropane | 50 | 0 | 57.5 | ug/L | 115 | | 12 | | 78 | 122 | 20 |
| Bromodichloromethane | 50 | 0 | 56.3 | ug/L | 113 | | 11 | | 79 | 125 | 20 |
| 4-Methyl-2-Pentanone | 250 | 0 | 270 | ug/L | 108 | | 8 | | 67 | 130 | 20 |
| Toluene | 50 | 0 | 55.8 | ug/L | 112 | | 12 | | 80 | 121 | 20 |
| t-1,3-Dichloropropene | 50 | 0 | 56.4 | ug/L | 113 | | 15 | | 73 | 127 | 20 |
| cis-1,3-Dichloropropene | 50 | 0 | 54.2 | ug/L | 108 | | 12 | | 75 | 124 | 20 |
| 1,1,2-Trichloroethane | 50 | 0 | 54.2 | ug/L | 108 | | 11 | | 80 | 119 | 20 |
| 2-Hexanone | 250 | 0 | 260 | ug/L | 104 | | 4 | | 57 | 139 | 20 |
| Dibromochloromethane | 50 | 0 | 56.0 | ug/L | 112 | | 14 | | 74 | 126 | 20 |
| Tetrachloroethene | 50 | 0 | 51.6 | ug/L | 103 | | 10 | | 74 | 129 | 20 |
| Chlorobenzene | 50 | 0 | 53.5 | ug/L | 107 | | 10 | | 82 | 118 | 20 |
| Ethyl Benzene | 50 | 0 | 55.4 | ug/L | 111 | | 10 | | 79 | 121 | 20 |
| m/p-Xylenes | 100 | 0 | 110 | ug/L | 110 | | 10 | | 80 | 121 | 20 |
| o-Xylene | 50 | 0 | 55.8 | ug/L | 112 | | 9 | | 78 | 122 | 20 |
| Styrene | 50 | 0 | 56.4 | ug/L | 113 | | 7 | | 78 | 123 | 20 |
| Bromoform | 50 | 0 | 48.1 | ug/L | 96 | | 11 | | 66 | 130 | 20 |
| Isopropylbenzene | 50 | 0 | 54.2 | ug/L | 108 | | 11 | | 72 | 131 | 20 |
| 1,1,2,2-Tetrachloroethane | 50 | 0 | 54.8 | ug/L | 110 | | 12 | | 71 | 121 | 20 |
| 1,3-Dichlorobenzene | 50 | 0 | 52.9 | ug/L | 106 | | 13 | | 80 | 119 | 20 |
| 1,4-Dichlorobenzene | 50 | 0 | 52.6 | ug/L | 105 | | 12 | | 79 | 118 | 20 |
| 1,2-Dichlorobenzene | 50 | 0 | 53.5 | ug/L | 107 | | 12 | | 80 | 119 | 20 |

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**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX043935.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1121WBS01 | Chloromethane | 20 | 19.4 | ug/L | 97 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 18.5 | ug/L | 93 | | | 58 | 137 | |
| | Bromomethane | 20 | 18.7 | ug/L | 94 | | | 53 | 141 | |
| | Chloroethane | 20 | 20.7 | ug/L | 104 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 17.3 | ug/L | 86 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.6 | ug/L | 88 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 17.9 | ug/L | 90 | | | 71 | 131 | |
| | Acetone | 100 | 90.6 | ug/L | 91 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.2 | ug/L | 86 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 19.4 | ug/L | 97 | | | 71 | 124 | |
| | Methylene Chloride | 20 | 18.6 | ug/L | 93 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 18.5 | ug/L | 93 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 19.7 | ug/L | 99 | | | 77 | 125 | |
| | 2-Butanone | 100 | 95.6 | ug/L | 96 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 17.0 | ug/L | 85 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 18.9 | ug/L | 95 | | | 78 | 123 | |
| | Chloroform | 20 | 19.1 | ug/L | 96 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 18.9 | ug/L | 95 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 16.9 | ug/L | 85 | | | 72 | 132 | |
| | Benzene | 20 | 18.4 | ug/L | 92 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 18.4 | ug/L | 92 | | | 73 | 128 | |
| | Trichloroethene | 20 | 15.5 | ug/L | 78 | | * | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 18.6 | ug/L | 93 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 18.1 | ug/L | 91 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 93.9 | ug/L | 94 | | | 67 | 130 | |
| | Toluene | 20 | 18.9 | ug/L | 95 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.1 | ug/L | 91 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 18.3 | ug/L | 92 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 18.2 | ug/L | 91 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 93.9 | ug/L | 94 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 17.5 | ug/L | 88 | | | 74 | 126 | |
| | Tetrachloroethene | 20 | 17.7 | ug/L | 89 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 17.6 | ug/L | 88 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 18.4 | ug/L | 92 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 37.3 | ug/L | 93 | | | 80 | 121 | |
| | o-Xylene | 20 | 18.8 | ug/L | 94 | | | 78 | 122 | |
| | Styrene | 20 | 18.8 | ug/L | 94 | | | 78 | 123 | |
| | Bromoform | 20 | 16.6 | ug/L | 83 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 18.9 | ug/L | 95 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.9 | ug/L | 95 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 17.9 | ug/L | 90 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 17.7 | ug/L | 89 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 18.0 | ug/L | 90 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** P4934

**Client:** Tetra Tech NUS, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX043953.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX1122WBS01 | Chloromethane | 20 | 20.8 | ug/L | 104 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 20.8 | ug/L | 104 | | | 58 | 137 | |
| | Bromomethane | 20 | 21.5 | ug/L | 108 | | | 53 | 141 | |
| | Chloroethane | 20 | 23.4 | ug/L | 117 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 19.5 | ug/L | 98 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.4 | ug/L | 102 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 20.4 | ug/L | 102 | | | 71 | 131 | |
| | Acetone | 100 | 99.9 | ug/L | 100 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.0 | ug/L | 85 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 21.5 | ug/L | 108 | | | 71 | 124 | |
| | Methylene Chloride | 20 | 20.7 | ug/L | 104 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 20.9 | ug/L | 104 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 21.2 | ug/L | 106 | | | 77 | 125 | |
| | 2-Butanone | 100 | 100 | ug/L | 100 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 18.9 | ug/L | 95 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 20.8 | ug/L | 104 | | | 78 | 123 | |
| | Chloroform | 20 | 21.6 | ug/L | 108 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 21.4 | ug/L | 107 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 18.6 | ug/L | 93 | | | 72 | 132 | |
| | Benzene | 20 | 20.3 | ug/L | 102 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 20.7 | ug/L | 104 | | | 73 | 128 | |
| | Trichloroethene | 20 | 17.0 | ug/L | 85 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 21.0 | ug/L | 105 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 19.9 | ug/L | 100 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/L | 100 | | | 67 | 130 | |
| | Toluene | 20 | 20.4 | ug/L | 102 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 20.0 | ug/L | 100 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.6 | ug/L | 98 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 20.1 | ug/L | 101 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 18.7 | ug/L | 94 | | | 74 | 126 | |
| | Tetrachloroethene | 20 | 20.3 | ug/L | 102 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 19.9 | ug/L | 100 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 20.4 | ug/L | 102 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 40.3 | ug/L | 101 | | | 80 | 121 | |
| | o-Xylene | 20 | 20.7 | ug/L | 104 | | | 78 | 122 | |
| | Styrene | 20 | 20.6 | ug/L | 103 | | | 78 | 123 | |
| | Bromoform | 20 | 16.9 | ug/L | 85 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 21.1 | ug/L | 106 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 21.6 | ug/L | 108 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 20.6 | ug/L | 103 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 20.0 | ug/L | 100 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 80 | 119 | |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1121WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043934.D Lab Sample ID: VX1121WBL01

Date Analyzed: 11/21/2024 Time Analyzed: 14:50

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1121WBS01 | VX1121WBS01 | VX043935.D | 11/21/2024 |
| TB01-20241118 | P4934-01 | VX043938.D | 11/21/2024 |
| FB01-20241119 | P4934-09 | VX043939.D | 11/21/2024 |
| RB01-20241119 | P4934-11 | VX043940.D | 11/21/2024 |
| BPOW6-11-20241118 | P4934-02 | VX043941.D | 11/21/2024 |
| BPOW6-7-20241118 | P4934-03 | VX043942.D | 11/21/2024 |
| BPOW6-9-20241119 | P4934-08 | VX043943.D | 11/21/2024 |
| BPOW6-8-20241119 | P4934-10 | VX043944.D | 11/21/2024 |
| DUP01-20241118 | P4934-04 | VX043945.D | 11/21/2024 |
| DUP02-20241119 | P4934-12 | VX043946.D | 11/21/2024 |
| BPOW6-10-20241119 | P4934-05 | VX043947.D | 11/21/2024 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1122WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043952.D Lab Sample ID: VX1122WBL01

Date Analyzed: 11/22/2024 Time Analyzed: 12:13

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX1122WBS01 | VX1122WBS01 | VX043953.D | 11/22/2024 |
| BPOW6-10-20241119MS | P4934-06MS | VX043973.D | 11/22/2024 |
| BPOW6-10-20241119MSD | P4934-07MSD | VX043974.D | 11/22/2024 |

COMMENTS:

Raw Data: **VX043924.D**

Alliance TECHNICAL GROUP

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043924.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:51

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.4 |
| 75 | 30.0 - 60.0% of mass 95 | 54.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 70.5 |
| 175 | 5.0 - 9.0% of mass 174 | 4.8 ( 6.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 67.9 ( 96.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 7.3 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VX043925.D | 11/21/2024 | 09:47 |
| VSTDICC005 | VSTDICC005 | VX043926.D | 11/21/2024 | 10:14 |
| VSTDICC020 | VSTDICC020 | VX043927.D | 11/21/2024 | 10:37 |
| VSTDICCC050 | VSTDICCC050 | VX043928.D | 11/21/2024 | 11:17 |
| VSTDICC100 | VSTDICC100 | VX043929.D | 11/21/2024 | 11:40 |
| VSTDICC150 | VSTDICC150 | VX043930.D | 11/21/2024 | 12:03 |
| VX1121WBL01 | VX1121WBL01 | VX043934.D | 11/21/2024 | 14:50 |
| VX1121WBS01 | VX1121WBS01 | VX043935.D | 11/21/2024 | 15:13 |
| TB01-20241118 | P4934-01 | VX043938.D | 11/21/2024 | 16:27 |
| FB01-20241119 | P4934-09 | VX043939.D | 11/21/2024 | 16:50 |
| RB01-20241119 | P4934-11 | VX043940.D | 11/21/2024 | 17:13 |
| BPOW6-11-20241118 | P4934-02 | VX043941.D | 11/21/2024 | 17:36 |
| BPOW6-7-20241118 | P4934-03 | VX043942.D | 11/21/2024 | 17:59 |
| BPOW6-9-20241119 | P4934-08 | VX043943.D | 11/21/2024 | 18:23 |
| BPOW6-8-20241119 | P4934-10 | VX043944.D | 11/21/2024 | 18:46 |
| DUP01-20241118 | P4934-04 | VX043945.D | 11/21/2024 | 19:09 |
| DUP02-20241119 | P4934-12 | VX043946.D | 11/21/2024 | 19:32 |
| BPOW6-10-20241119 | P4934-05 | VX043947.D | 11/21/2024 | 19:55 |

Raw Data: **VX043924.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043924.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:51

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.4 |
| 75 | 30.0 - 60.0% of mass 95 | 54.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 70.5 |
| 175 | 5.0 - 9.0% of mass 174 | 4.8 ( 6.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 67.9 ( 96.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 7.3 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050EC | VSTDCCC050 | VX043948.D | 11/21/2024 | 20:18 |

Raw Data: **VX043949.D**

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043949.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:54

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.4 |
| 75 | 30.0 - 60.0% of mass 95 | 56.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 72.1 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 71 ( 98.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.8 ( 6.8 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX043950.D | 11/22/2024 | 11:22 |
| VX1122WBL01 | VX1122WBL01 | VX043952.D | 11/22/2024 | 12:13 |
| VX1122WBS01 | VX1122WBS01 | VX043953.D | 11/22/2024 | 12:36 |
| BPOW6-10-20241119MS | P4934-06MS | VX043973.D | 11/22/2024 | 20:19 |
| BPOW6-10-20241119MSD | P4934-07MSD | VX043974.D | 11/22/2024 | 20:42 |
| VSTDCCC050EC | VSTDCCC050 | VX043975.D | 11/22/2024 | 21:05 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043928.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_X Time Analyzed: 11:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 138578 | 5.54 | 241629 | 6.76 | 212243 | 10.05 |
| UPPER LIMIT | 277156 | 6.038 | 483258 | 7.257 | 424486 | 10.549 |
| LOWER LIMIT | 69289 | 5.038 | 120815 | 6.257 | 106122 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| TB01-20241118 | 113495 | 5.55 | 211780 | 6.76 | 190080 | 10.06 |
| BPOW6-11-20241118 | 120827 | 5.54 | 229101 | 6.76 | 190728 | 10.06 |
| BPOW6-7-20241118 | 120589 | 5.55 | 229817 | 6.76 | 203544 | 10.06 |
| DUP01-20241118 | 120506 | 5.54 | 229149 | 6.76 | 199026 | 10.06 |
| BPOW6-10-20241119 | 110999 | 5.54 | 211108 | 6.76 | 188768 | 10.06 |
| BPOW6-9-20241119 | 110330 | 5.55 | 206208 | 6.76 | 181398 | 10.06 |
| FB01-20241119 | 112214 | 5.54 | 209177 | 6.76 | 184189 | 10.06 |
| BPOW6-8-20241119 | 120427 | 5.55 | 226777 | 6.76 | 198351 | 10.06 |
| RB01-20241119 | 113782 | 5.55 | 213883 | 6.76 | 191929 | 10.06 |
| DUP02-20241119 | 108515 | 5.55 | 209984 | 6.76 | 184320 | 10.06 |
| VX1121WBL01 | 130697 | 5.54 | 247747 | 6.76 | 216577 | 10.05 |
| VX1121WBS01 | 142766 | 5.54 | 267012 | 6.76 | 228045 | 10.06 |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043928.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_X Time Analyzed: 11:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 100316 | 12.024 | | | | |
| UPPER LIMIT | 200632 | 12.524 | | | | |
| LOWER LIMIT | 50158 | 11.524 | | | | |
| EPA SAMPLE NO. | | | | | | |
| TB01-20241118 | 80979 | 12.02 | | | | |
| BPOW6-11-20241118 | 77315 | 12.02 | | | | |
| BPOW6-7-20241118 | 86723 | 12.02 | | | | |
| DUP01-20241118 | 80102 | 12.02 | | | | |
| BPOW6-10-20241119 | 77869 | 12.02 | | | | |
| BPOW6-9-20241119 | 69030 | 12.02 | | | | |
| FB01-20241119 | 73264 | 12.02 | | | | |
| BPOW6-8-20241119 | 79775 | 12.02 | | | | |
| RB01-20241119 | 78947 | 12.02 | | | | |
| DUP02-20241119 | 74811 | 12.02 | | | | |
| VX1121WBL01 | 92124 | 12.02 | | | | |
| VX1121WBS01 | 103776 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 119844 | 5.54 | 210147 | 6.75 | 179277 | 10.06 |
| UPPER LIMIT | 239688 | 6.038 | 420294 | 7.251 | 358554 | 10.555 |
| LOWER LIMIT | 59922 | 5.038 | 105074 | 6.251 | 89638.5 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| BPOW6-10-20241119MS | 112356 | 5.54 | 212948 | 6.76 | 180718 | 10.05 |
| BPOW6-10-20241119MSD | 108873 | 5.55 | 198897 | 6.76 | 171140 | 10.06 |
| VX1122WBL01 | 114313 | 5.54 | 223688 | 6.76 | 192949 | 10.06 |
| VX1122WBS01 | 122957 | 5.54 | 229417 | 6.76 | 195535 | 10.06 |

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG NO.: P4934

Lab File ID: VX043950.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_X Time Analyzed: 11:22

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 88069 | 12.018 | | | | |
| UPPER LIMIT | 176138 | 12.518 | | | | |
| LOWER LIMIT | 44034.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| BPOW6-10-20241119MS | 86103 | 12.02 | | | | |
| BPOW6-10-20241119MSD | 79942 | 12.02 | | | | |
| VX1122WBL01 | 79805 | 12.02 | | | | |
| VX1122WBS01 | 86659 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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# SAMPLE DATA

Raw Data: **VX043938.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | TB01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043938.D | 1 | | 11/21/24 16:27 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.43 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.40 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043938.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | TB01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043938.D | 1 | | 11/21/24 16:27 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.6 | | 81 - 118 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 45.8 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.2 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.7 | | 85 - 114 | | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 113000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 212000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 190000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 81000 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043938.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | TB01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043938.D | 1 | | 11/21/24 16:27 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Quant Time: Nov 22 04:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 113495 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 211780 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190080 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 80979 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 94565 | 48.579 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.160% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 69282 | 45.783 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.560% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 261631 | 50.155 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.320% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 88169 | 49.665 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 656 | 0.434 | ug/l # | 80 |
| 16) Acetone | 2.392 | 43 | 1238 | 1.385 | ug/l # | 81 |

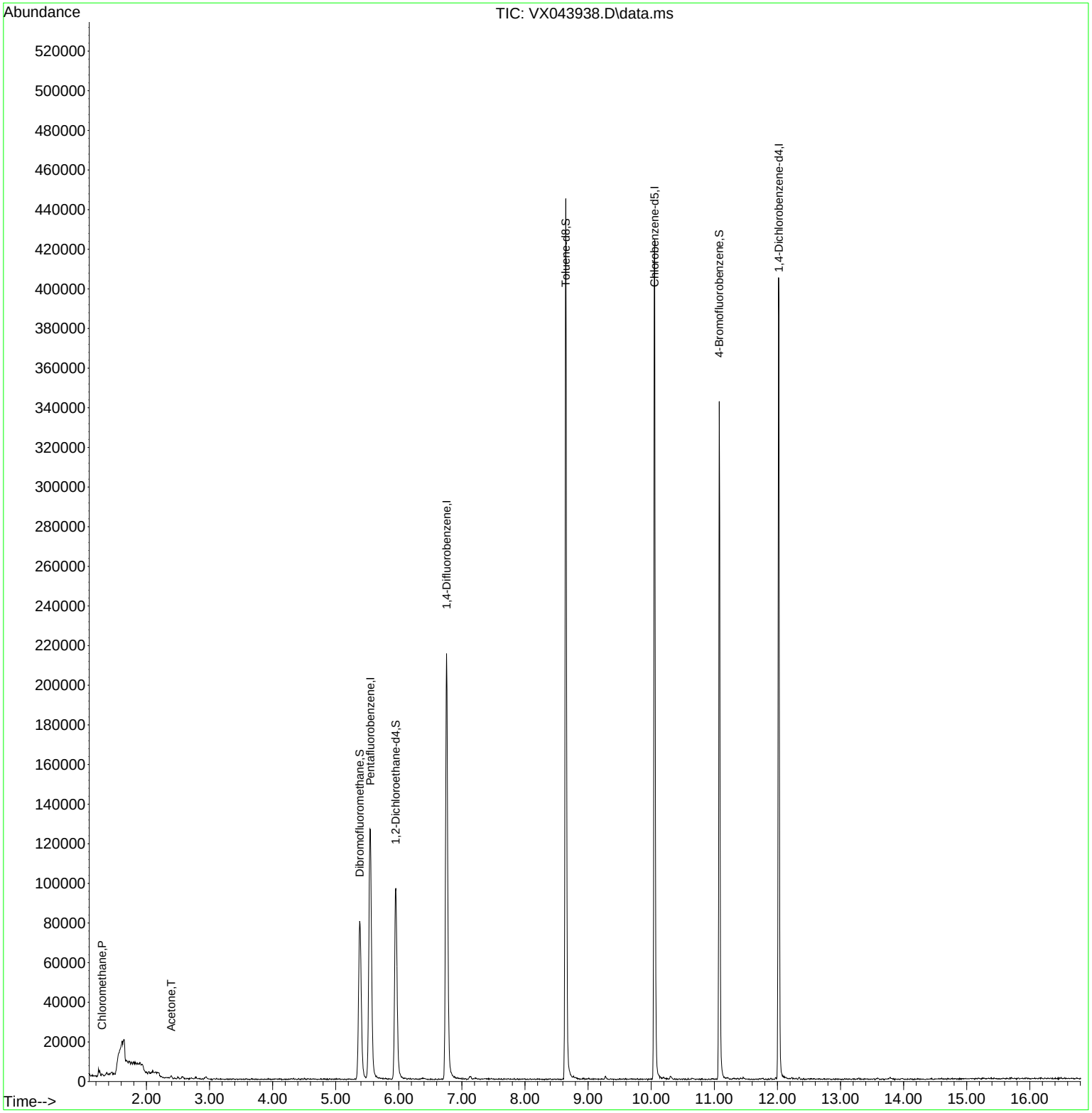
(#) = qualifier out of range (m) = manual integration (+) = signals summed

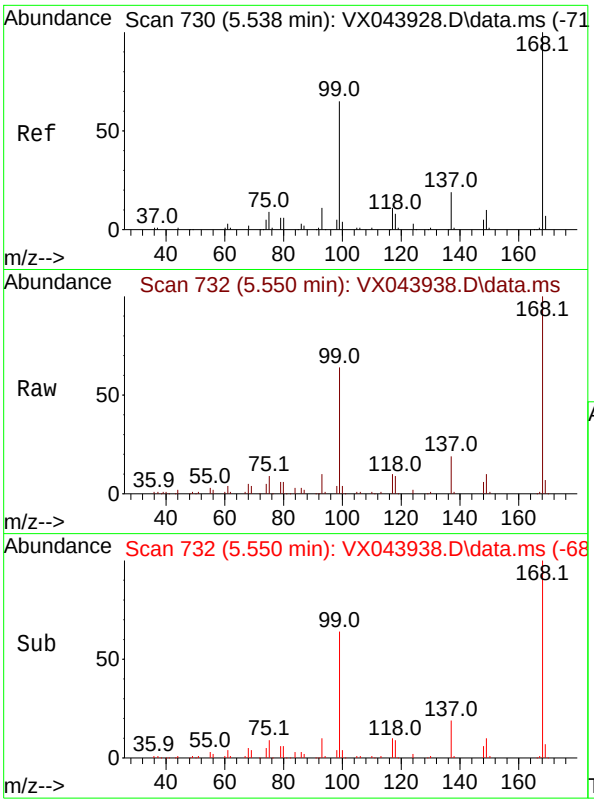
Sample Results: **VX043938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Quant Time: Nov 22 04:01:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



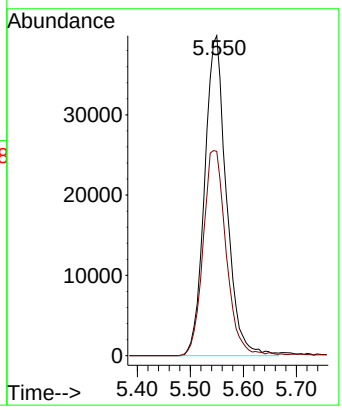


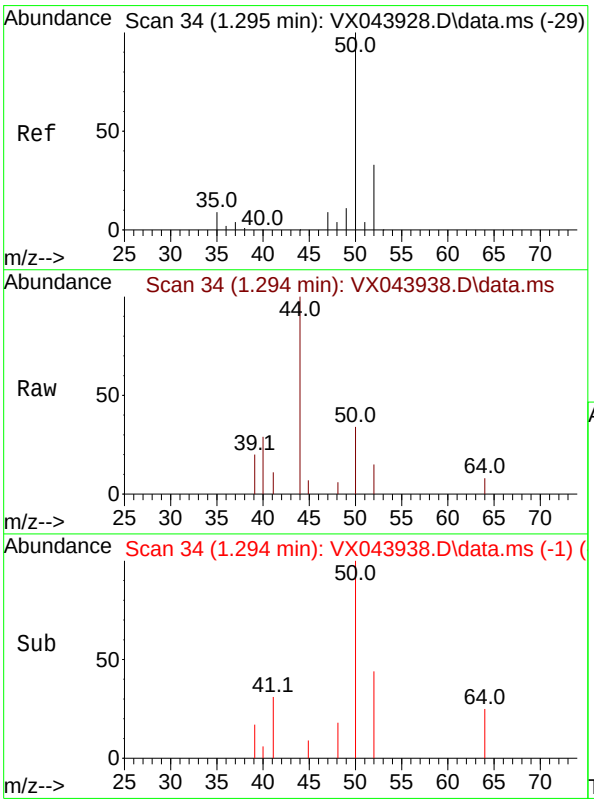

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Tgt Ion:168 Resp: 113495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.9 | 51.8 | 77.8 |

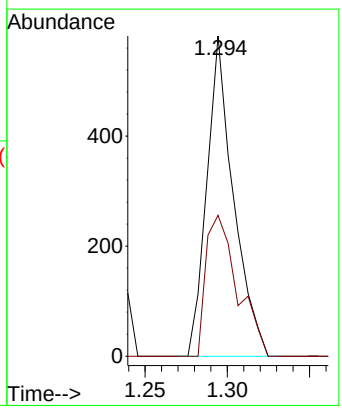


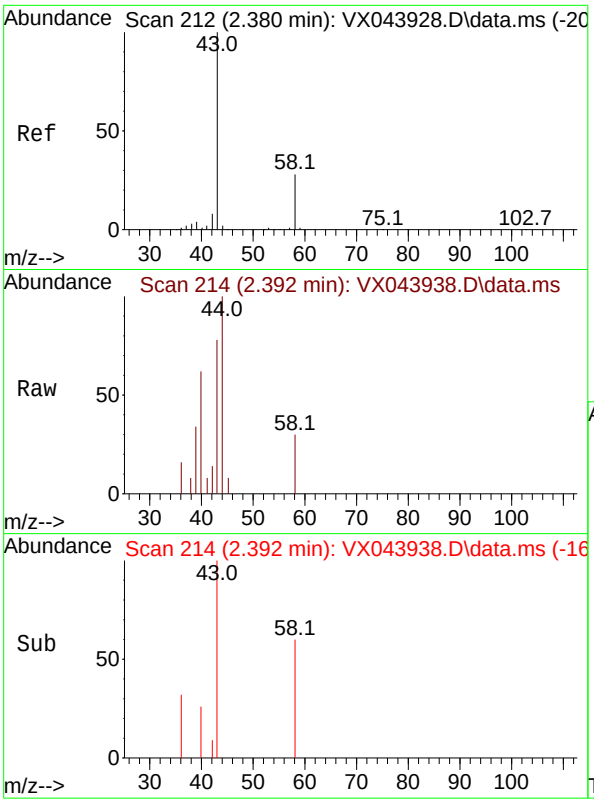




#3
Chloromethane
Concen: 0.434 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 50 Resp: 656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 44.0 | 26.1 | 39.1# |



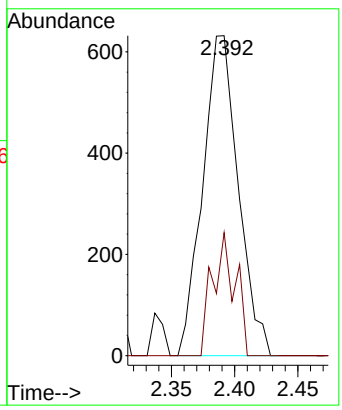


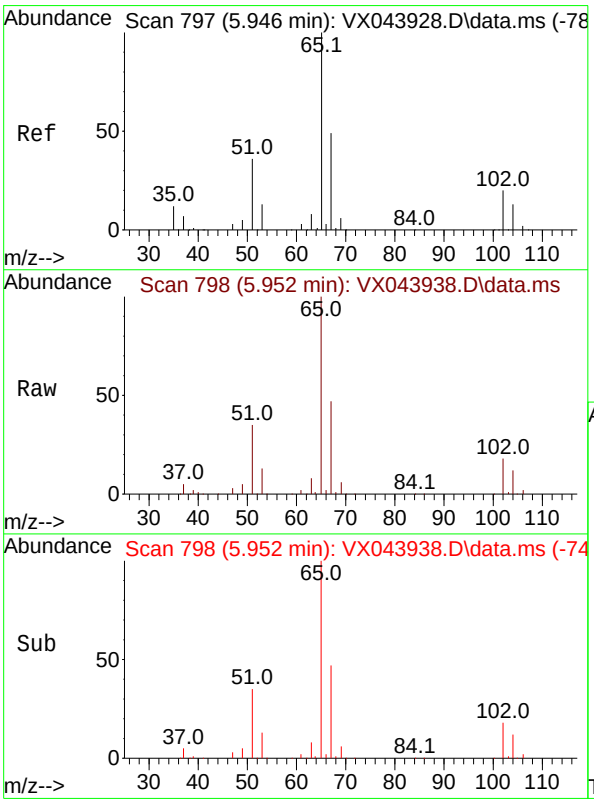

#16
Acetone
Concen: 1.385 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Tgt Ion: 43 Resp: 1238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.4 | 22.7 | 34.1# |

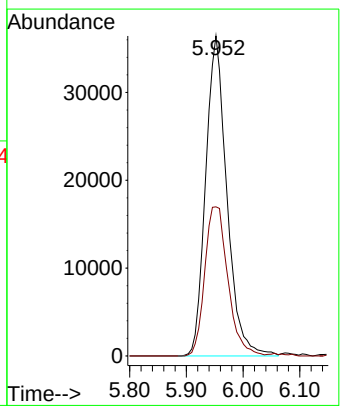


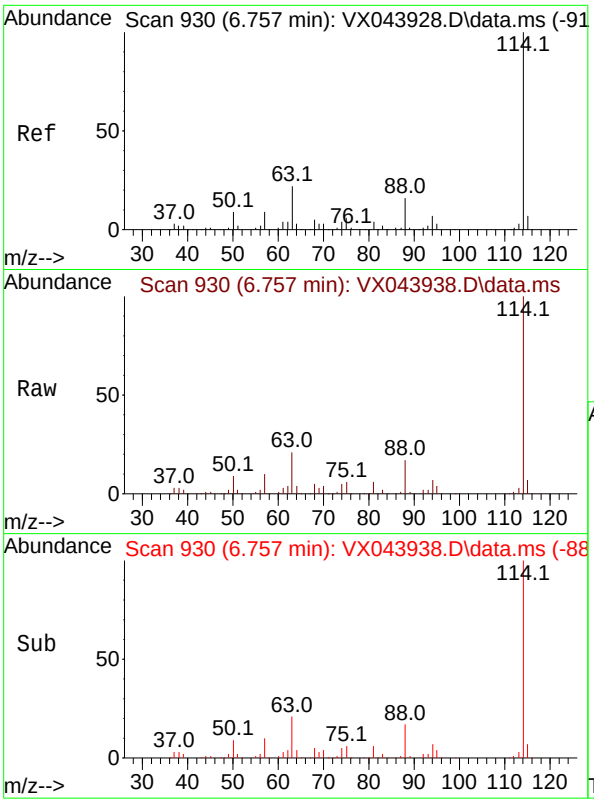




#33
1,2-Dichloroethane-d4
Concen: 48.579 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 65 Resp: 94565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |



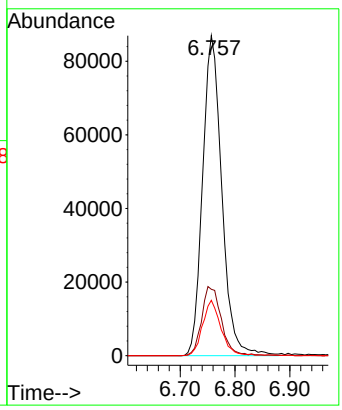


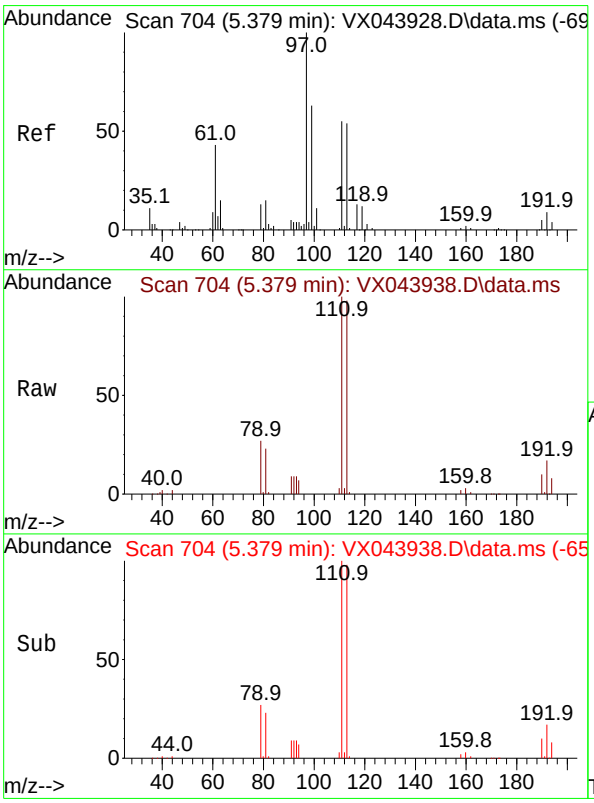

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Tgt Ion:114 Resp: 211780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 17.3 | 0.0 | 32.4 |

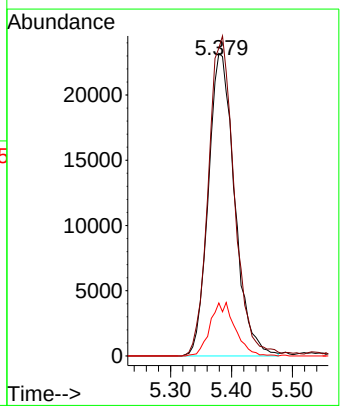


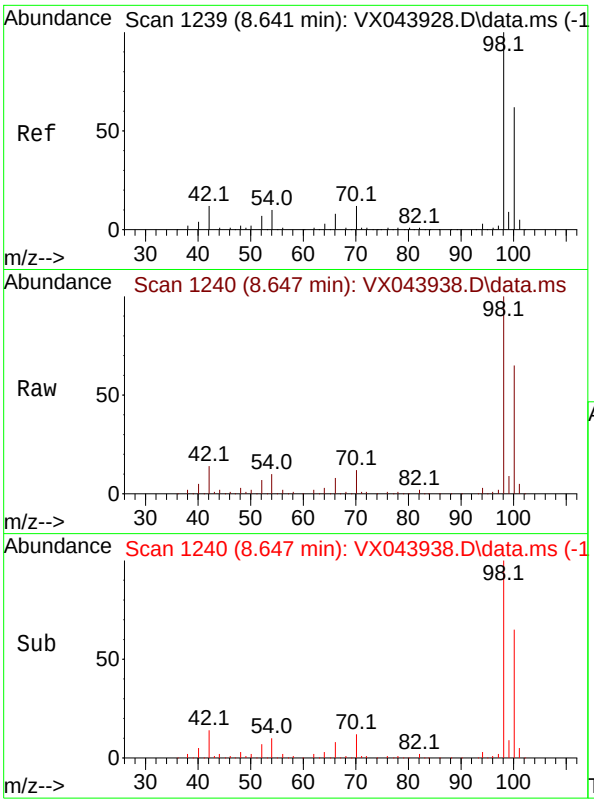




#35
Dibromofluoromethane
Concen: 45.783 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion:113 Resp: 69282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.2 | 81.0 | 121.4 |
| 192 | 16.9 | 13.0 | 19.6 |



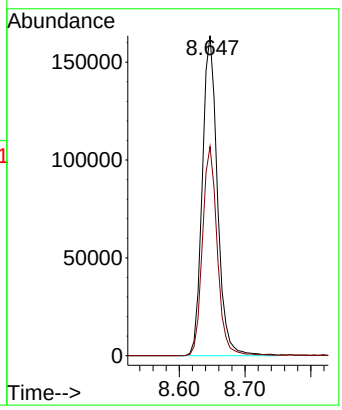


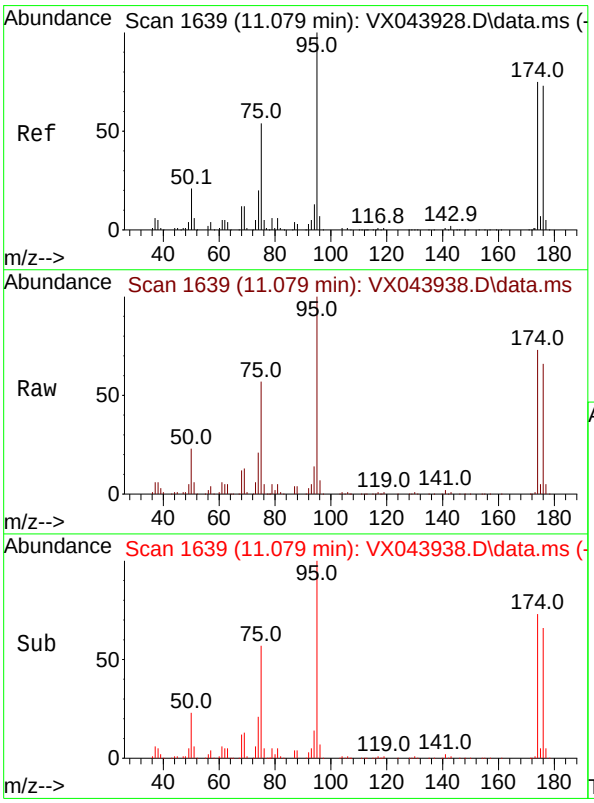

#50
Toluene-d8
Concen: 50.155 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Tgt Ion: 98 Resp: 261631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.6 | 79.0 |

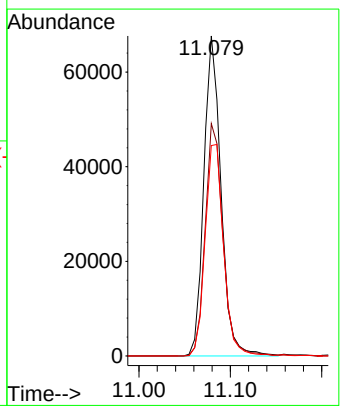


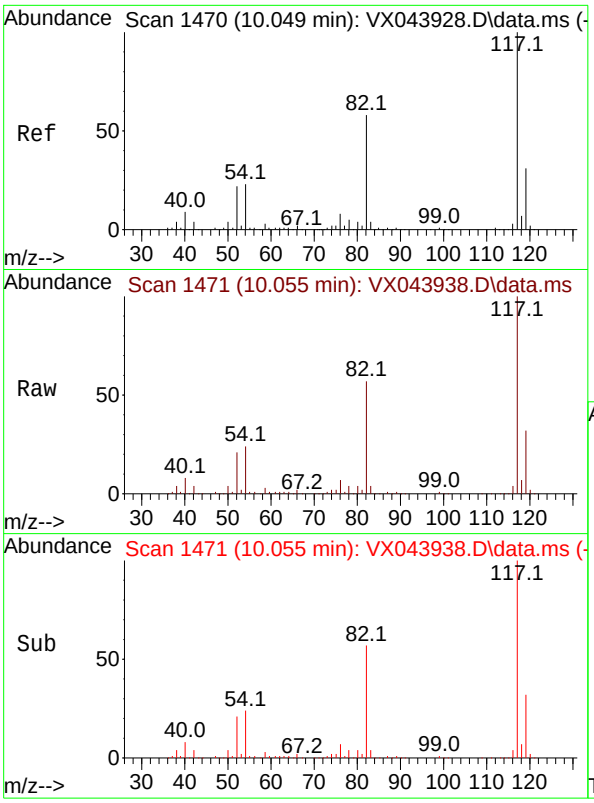




#62
4-Bromofluorobenzene
Concen: 49.665 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion: 95 Resp: 88169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.7 | 0.0 | 150.4 |
| 176 | 71.2 | 0.0 | 146.0 |



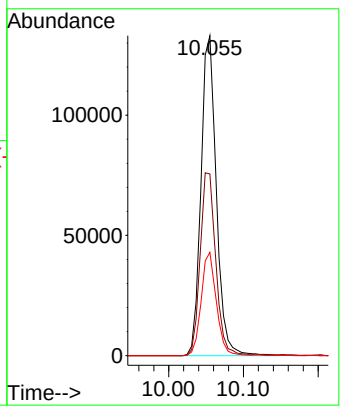


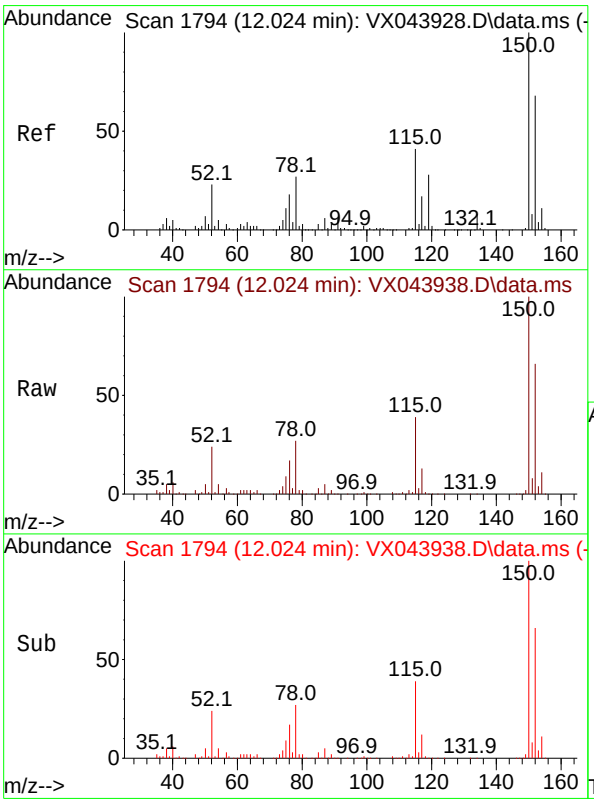

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Tgt Ion:117 Resp: 190080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.8 | 46.4 | 69.6 |
| 119 | 32.3 | 24.6 | 37.0 |

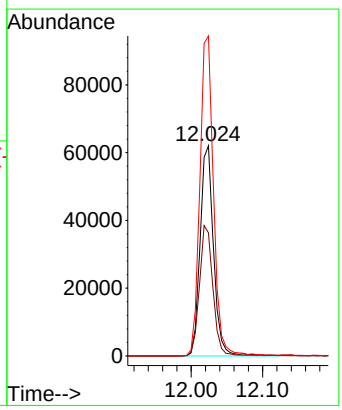



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043938.D
Acq: 21 Nov 2024 16:27

Tgt Ion:152 Resp: 80979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.2 | 45.4 | 136.2 |
| 150 | 154.6 | 0.0 | 353.0 |



Sample Results: **VX043938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043938.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.611 | 68 | 86 | 88 | rBV5 | 16728 | 72526 | 10.17% | 1.915% |
| 2 | 5.379 | 694 | 704 | 720 | rBV2 | 79987 | 241157 | 33.80% | 6.368% |
| 3 | 5.544 | 720 | 731 | 746 | rVV | 125654 | 369087 | 51.73% | 9.747% |
| 4 | 5.952 | 787 | 798 | 813 | rBV | 96477 | 264150 | 37.03% | 6.976% |
| 5 | 6.757 | 919 | 930 | 946 | rBV2 | 214971 | 521887 | 73.15% | 13.782% |
| 6 | 8.647 | 1234 | 1240 | 1257 | rBV | 444293 | 713436 | 100.00% | 18.840% |
| 7 | 10.055 | 1465 | 1471 | 1484 | rBV | 423704 | 620810 | 87.02% | 16.394% |
| 8 | 11.079 | 1634 | 1639 | 1651 | rBV | 342132 | 451131 | 63.23% | 11.913% |
| 9 | 12.018 | 1788 | 1793 | 1803 | rBV | 404467 | 532580 | 74.65% | 14.064% |

Sum of corrected areas: 3786764

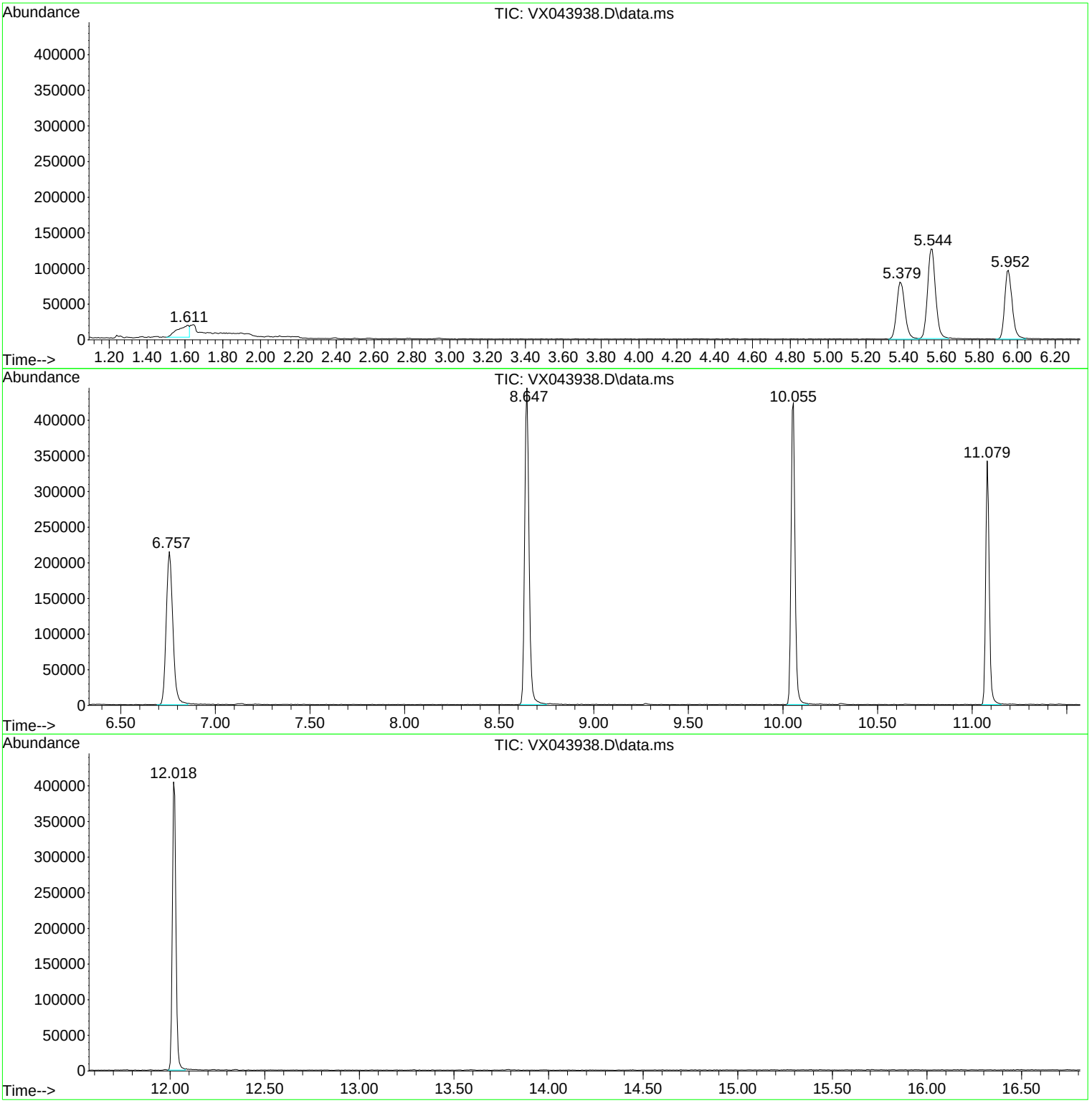
Sample Results: **VX043938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VX043938.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043938.D
Acq On : 21 Nov 2024 16:27
Operator : JC/MD
Sample : P4934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TB01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043941.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-11-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043941.D | 1 | | 11/21/24 17:36 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.47 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | UQ | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043941.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-11-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043941.D | 1 | | 11/21/24 17:36 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.2 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.6 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.6 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.3 | | 85 - 114 | | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 121000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 229000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 191000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 77300 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043941.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-11-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-02 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043941.D | 1 | | 11/21/24 17:36 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Quant Time: Nov 22 04:02:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

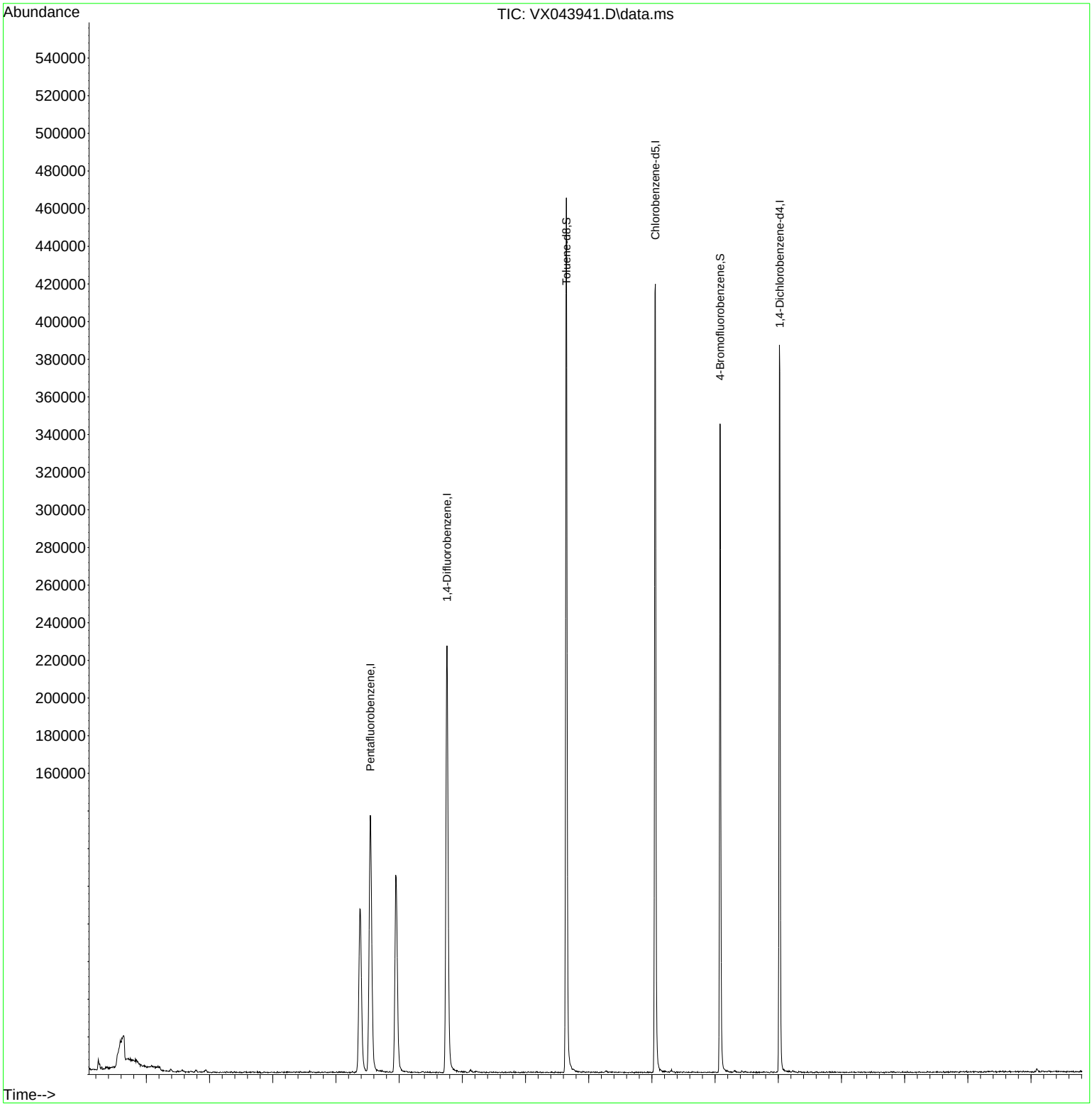
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 120827 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 229101 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190728 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 77315 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 104075 | 50.220 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.440% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 76319 | 46.620 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.240% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 274495 | 48.643 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.280% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 89002 | 46.344 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.680% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.300 | 50 | 762 | 0.473 | ug/l # | 78 |
| 16) Acetone | 2.386 | 43 | 1462 | 1.536 | ug/l | 98 |

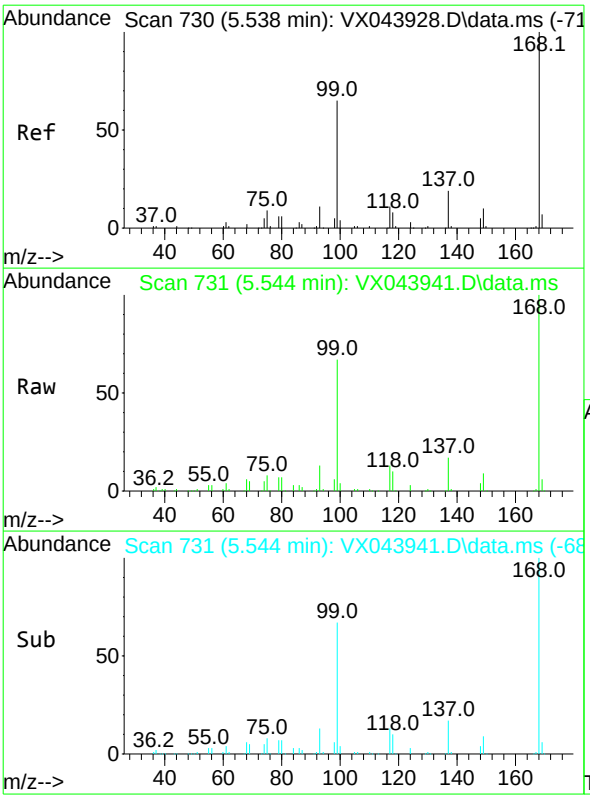
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Quant Time: Nov 22 04:02:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



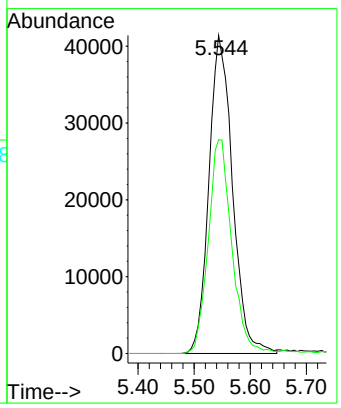


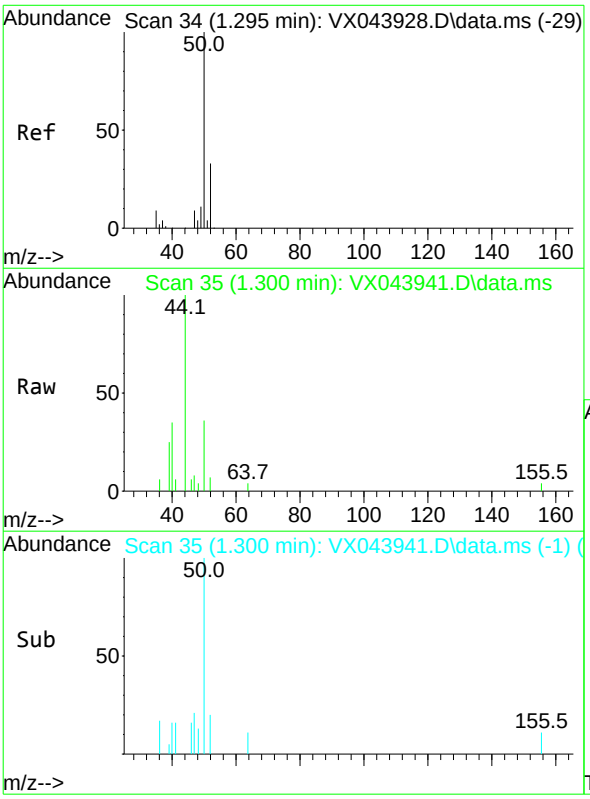

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Tgt Ion:168 Resp: 120827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.2 | 51.8 | 77.8 |

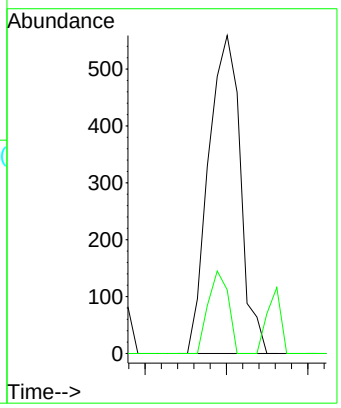


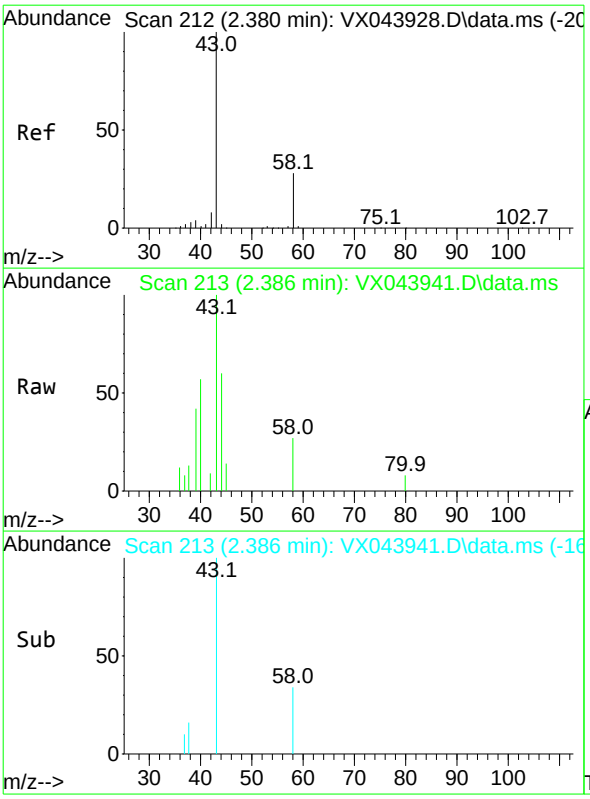




#3
Chloromethane
Concen: 0.473 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

Tgt Ion: 50 Resp: 762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 20.0 | 26.1 | 39.1# |



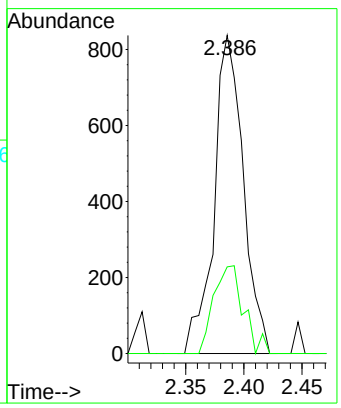


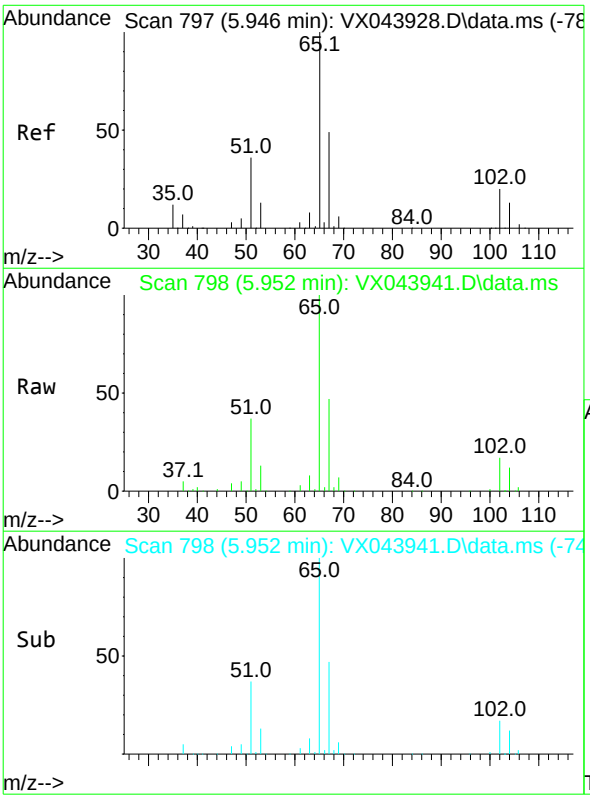

#16
Acetone
Concen: 1.536 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Tgt Ion: 43 Resp: 1462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.2 | 22.7 | 34.1 |

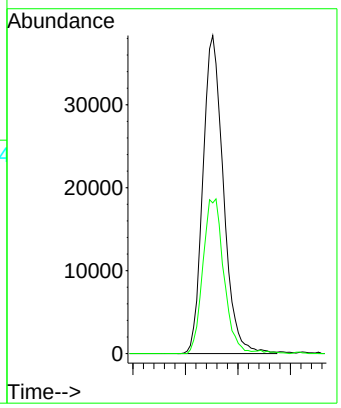


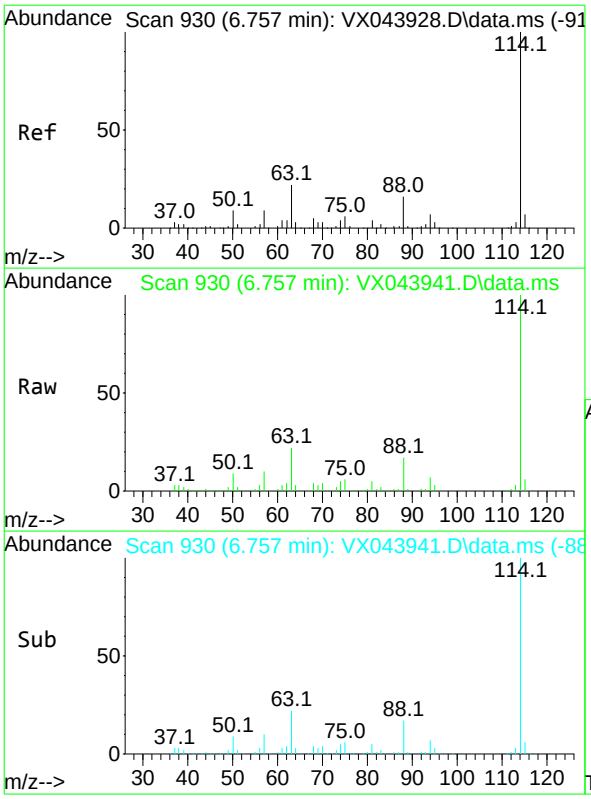




#33
1,2-Dichloroethane-d4
Concen: 50.220 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

Tgt Ion: 65 Resp: 104075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.5 | 0.0 | 100.8 |



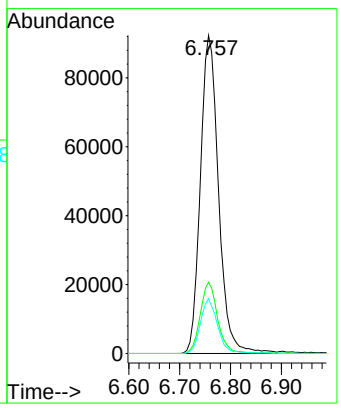


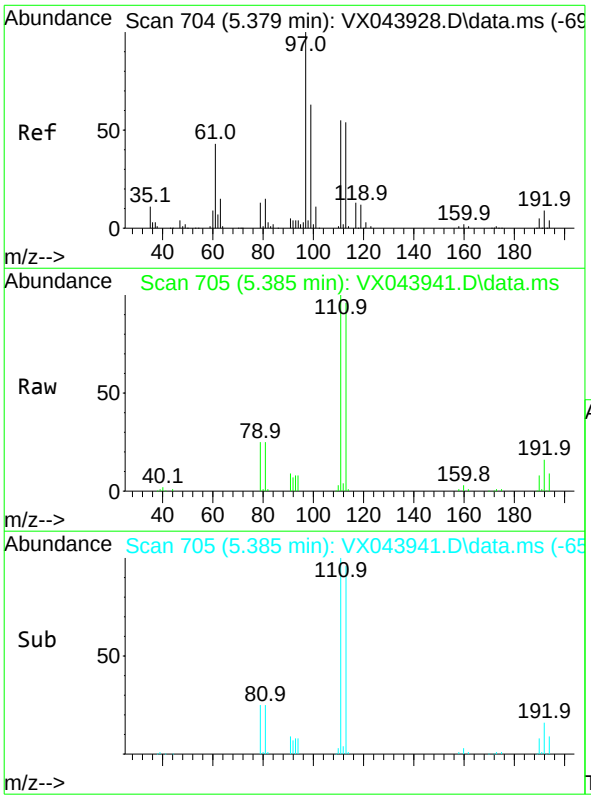

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Tgt Ion:114 Resp: 229101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.4 | 0.0 | 44.0 |
| 88 | 17.2 | 0.0 | 32.4 |

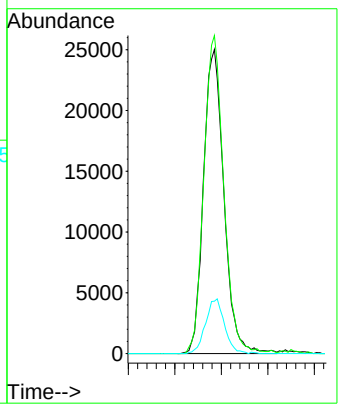


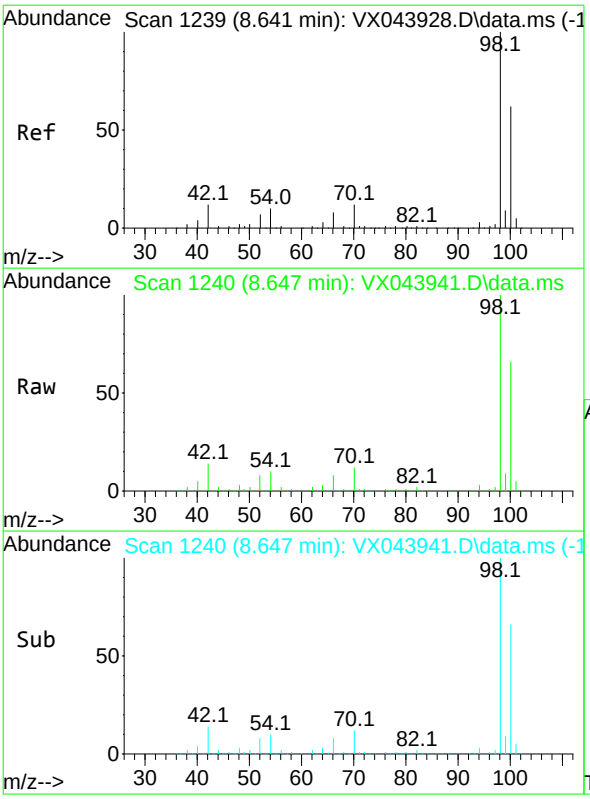




#35
Dibromofluoromethane
Concen: 46.620 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

Tgt Ion:113 Resp: 76319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.0 | 81.0 | 121.4 |
| 192 | 16.7 | 13.0 | 19.6 |



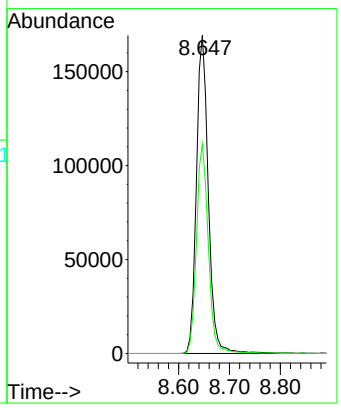


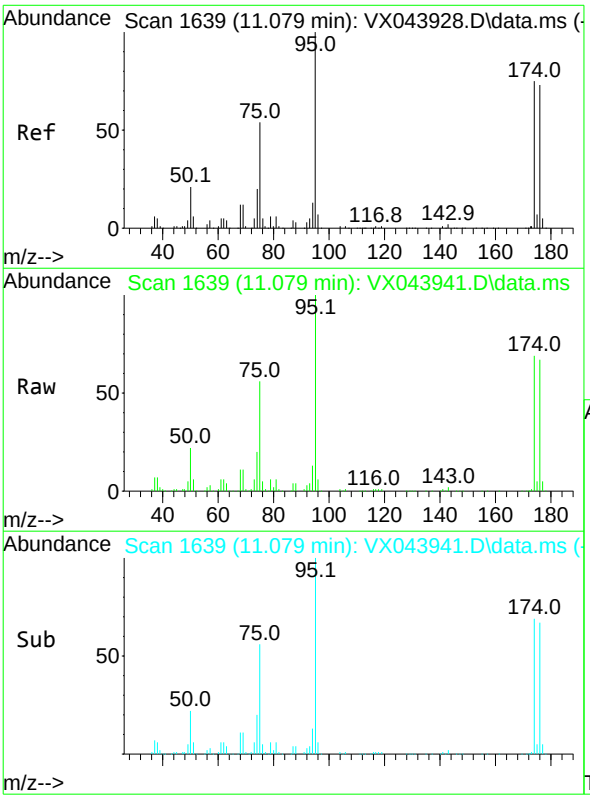

#50
Toluene-d8
Concen: 48.643 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Tgt Ion: 98 Resp: 274495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.4 | 52.6 | 79.0 |

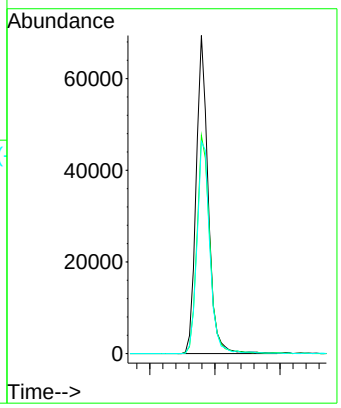


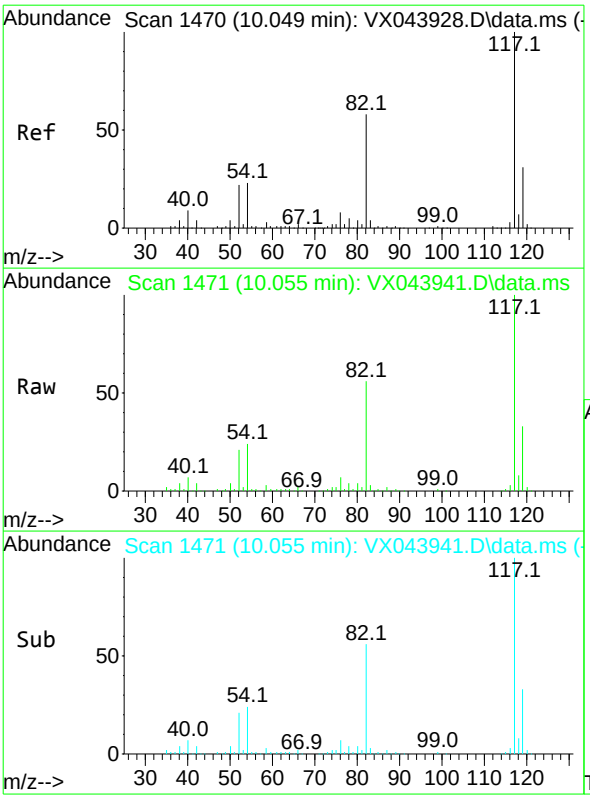




#62
4-Bromofluorobenzene
Concen: 46.344 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

Tgt Ion: 95 Resp: 89002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.8 | 0.0 | 150.4 |
| 176 | 70.6 | 0.0 | 146.0 |



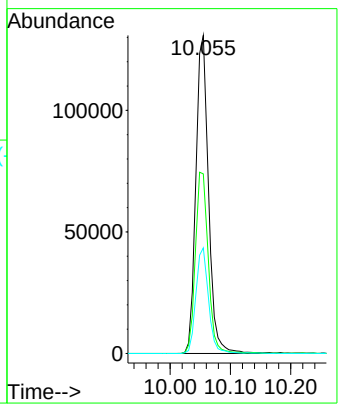


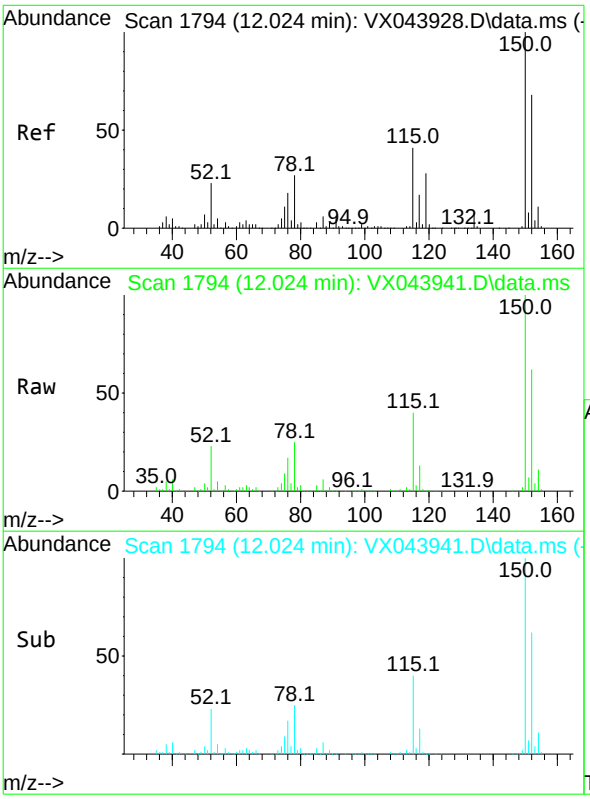

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Tgt Ion:117 Resp: 190728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.5 | 46.4 | 69.6 |
| 119 | 33.2 | 24.6 | 37.0 |

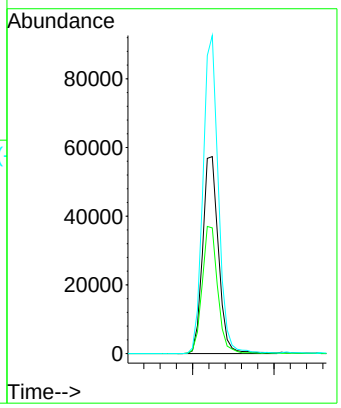



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043941.D
Acq: 21 Nov 2024 17:36

Tgt Ion:152 Resp: 77315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.4 | 45.4 | 136.2 |
| 150 | 157.0 | 0.0 | 353.0 |



Sample Results: **VX043941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043941.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.587 | 68 | 82 | 85 | rBV5 | 14400 | 50418 | 6.72% | 1.297% |
| 2 | 5.379 | 693 | 704 | 720 | rBV2 | 86848 | 259683 | 34.60% | 6.679% |
| 3 | 5.544 | 721 | 731 | 747 | rVV2 | 135951 | 393244 | 52.40% | 10.114% |
| 4 | 5.946 | 789 | 797 | 816 | rBV2 | 104614 | 285156 | 38.00% | 7.334% |
| 5 | 6.757 | 920 | 930 | 946 | rBV | 226944 | 560184 | 74.65% | 14.408% |
| 6 | 8.647 | 1234 | 1240 | 1255 | rBV | 464217 | 750462 | 100.00% | 19.302% |
| 7 | 10.055 | 1465 | 1471 | 1482 | rBV | 418658 | 626488 | 83.48% | 16.113% |
| 8 | 11.079 | 1634 | 1639 | 1653 | rBV | 344575 | 452159 | 60.25% | 11.629% |
| 9 | 12.018 | 1788 | 1793 | 1804 | rBV | 386165 | 510247 | 67.99% | 13.123% |

Sum of corrected areas: 3888041

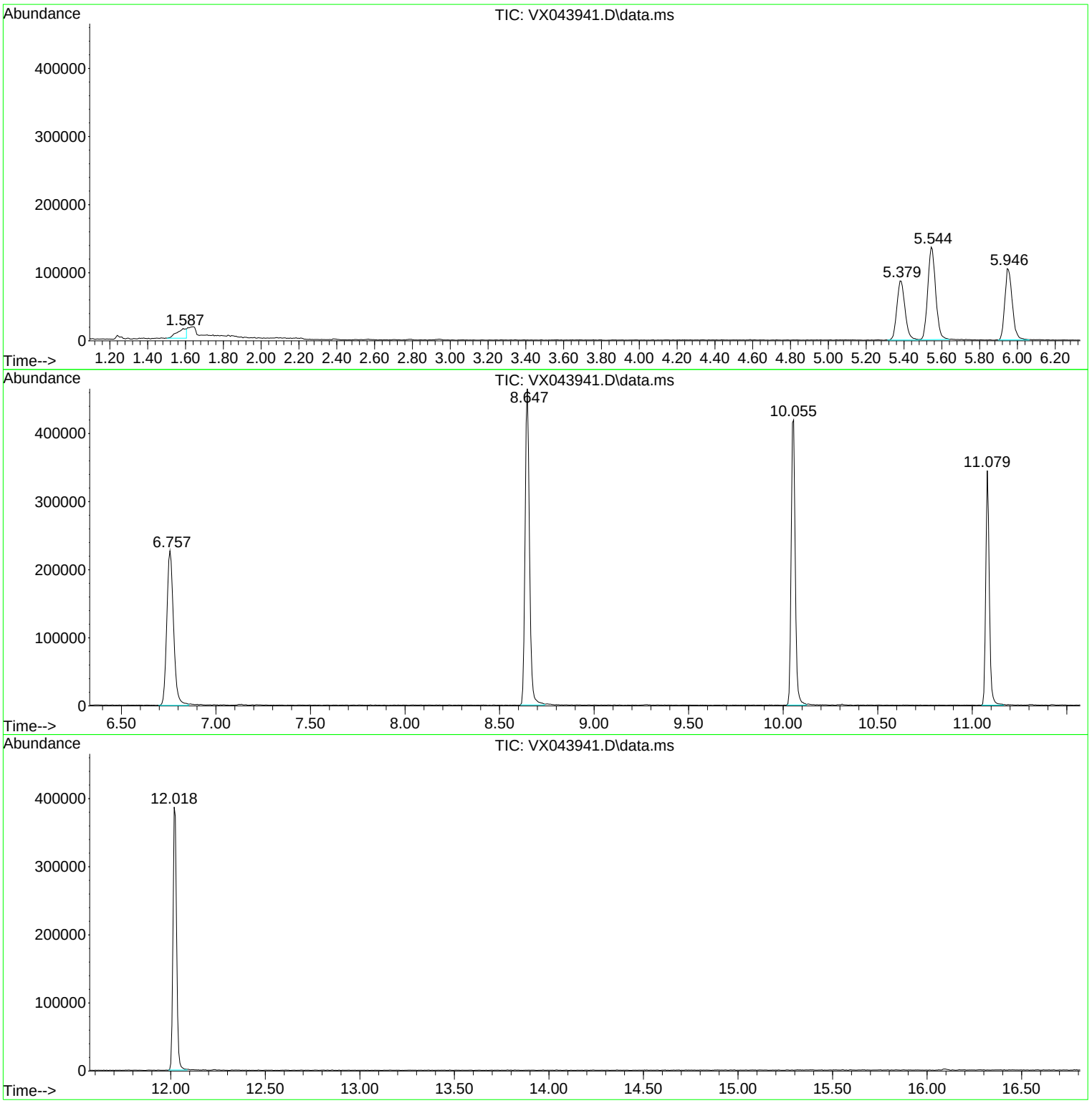
Sample Results: **VX043941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Sample Results: **VX043941.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043941.D
Acq On : 21 Nov 2024 17:36
Operator : JC/MD
Sample : P4934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-11-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043942.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-7-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043942.D | 1 | | 11/21/24 17:59 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | UQ | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043942.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-7-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043942.D | 1 | | 11/21/24 17:59 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.7 | | 81 - 118 | | 97% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 45.8 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.2 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.5 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 121000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 230000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 204000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86700 | 12.018 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043942.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-7-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-03 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043942.D | 1 | | 11/21/24 17:59 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Quant Time: Nov 22 04:02:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

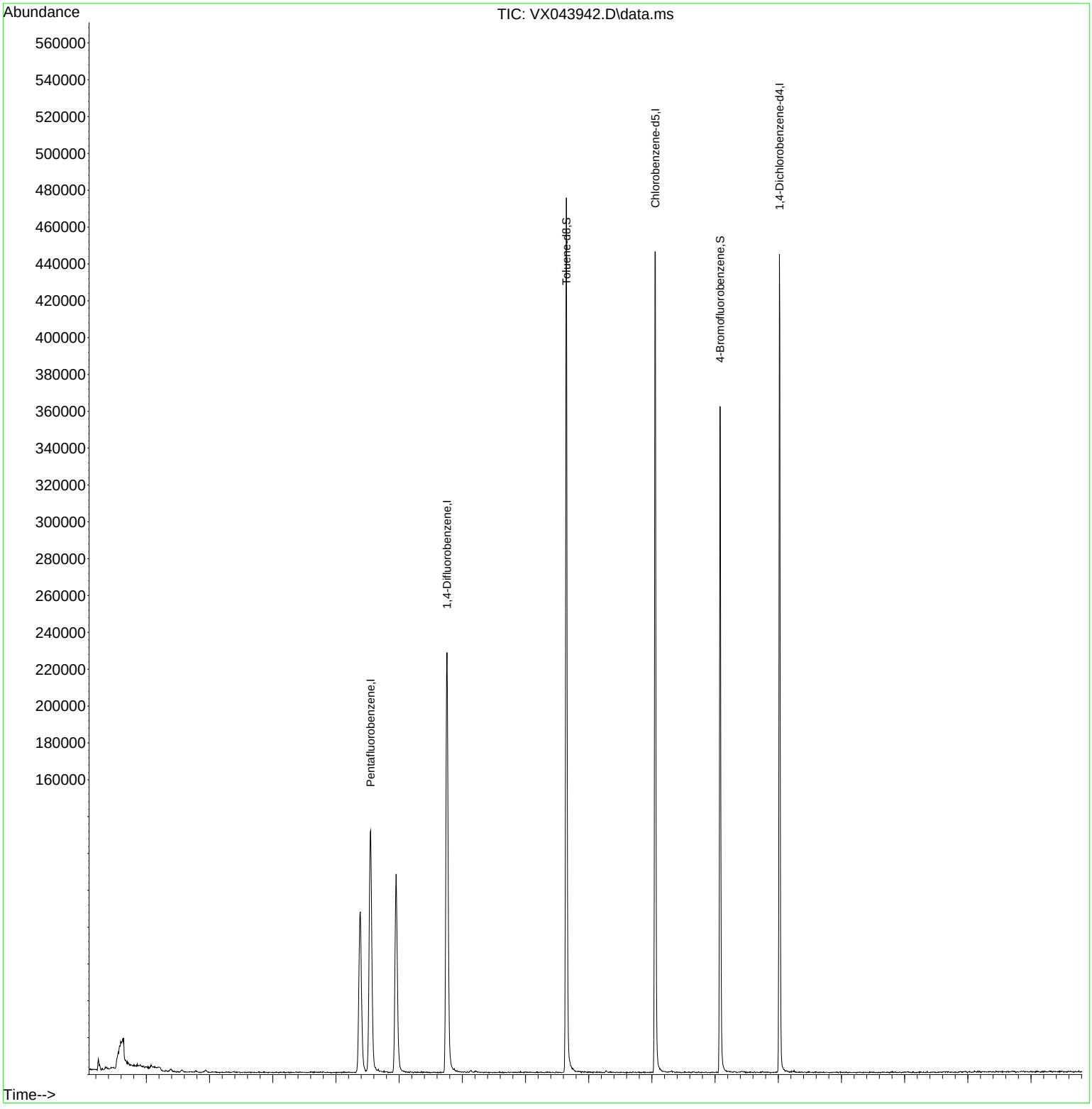
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 120589 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 229817 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 203544 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 86723 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 100786 | 48.729 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 97.460% | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 75258 | 45.829 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 91.660% | | |
| 50) Toluene-d8 | 8.647 | 98 | 278665 | 49.228 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.460% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93434 | 48.500 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 97.000% | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.301 | 50 | 394 | 0.245 | ug/l | 92 |
| 16) Acetone | 2.386 | 43 | 1564 | 1.646 | ug/l | 91 |

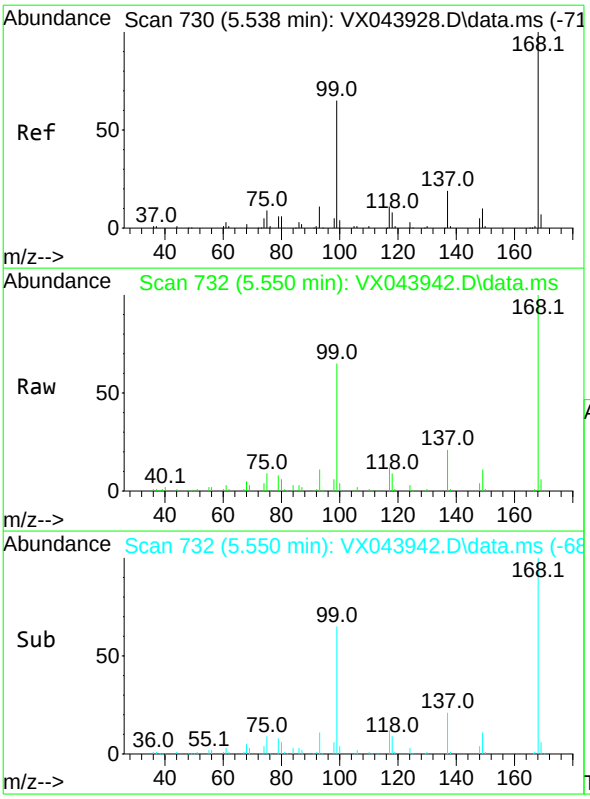
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Quant Time: Nov 22 04:02:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



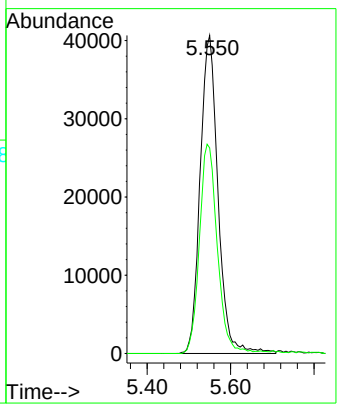


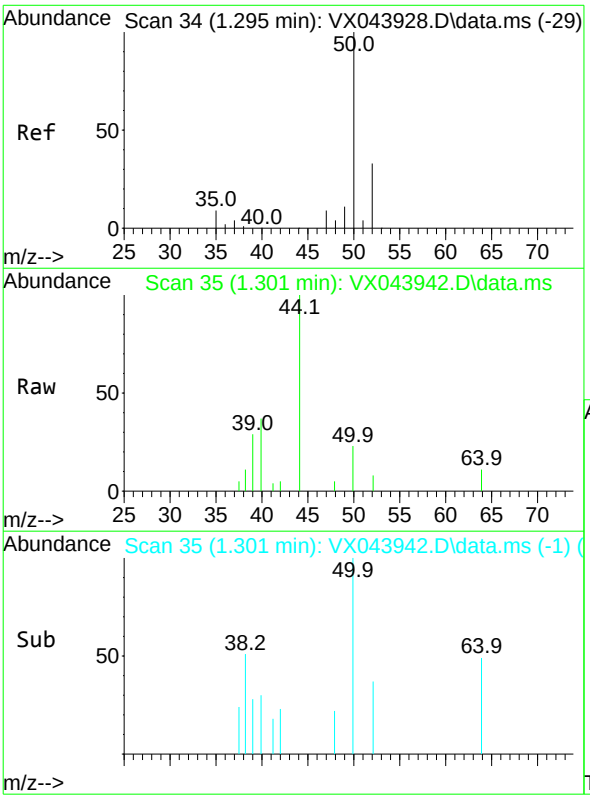

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Tgt Ion:168 Resp: 120589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.6 | 51.8 | 77.8 |

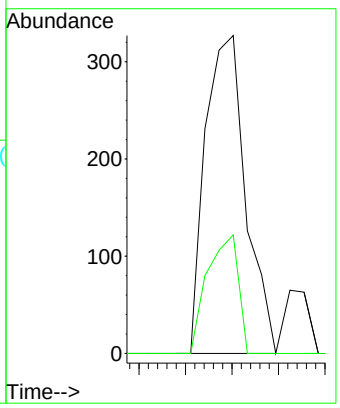


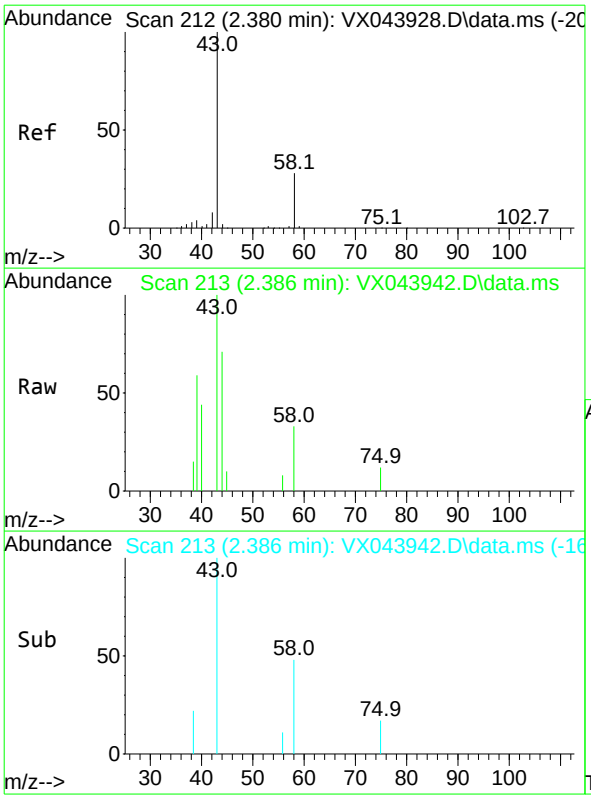




#3
Chloromethane
Concen: 0.245 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

Tgt Ion: 50 Resp: 394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 37.3 | 26.1 | 39.1 |



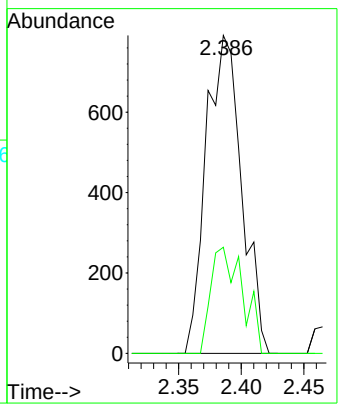


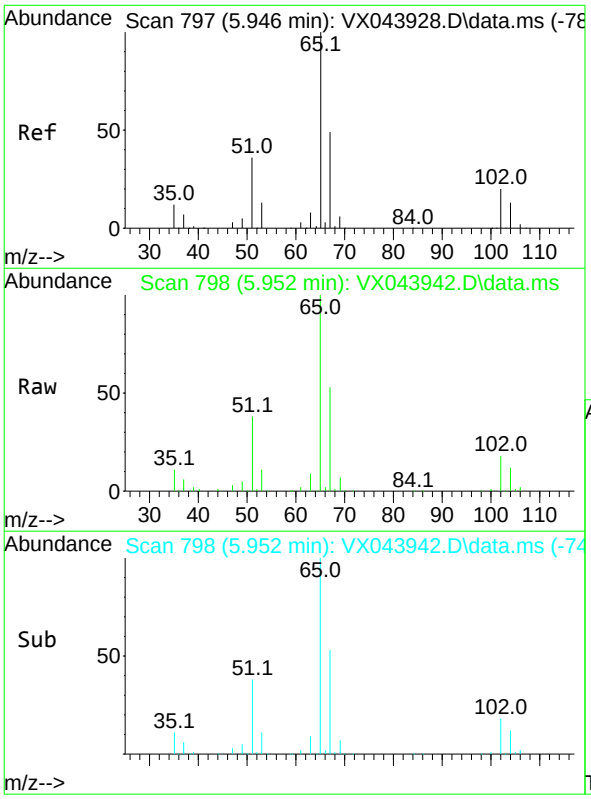

#16
Acetone
Concen: 1.646 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Tgt Ion: 43 Resp: 1564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 33.4 | 22.7 | 34.1 |

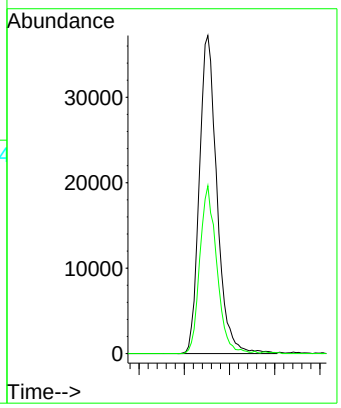


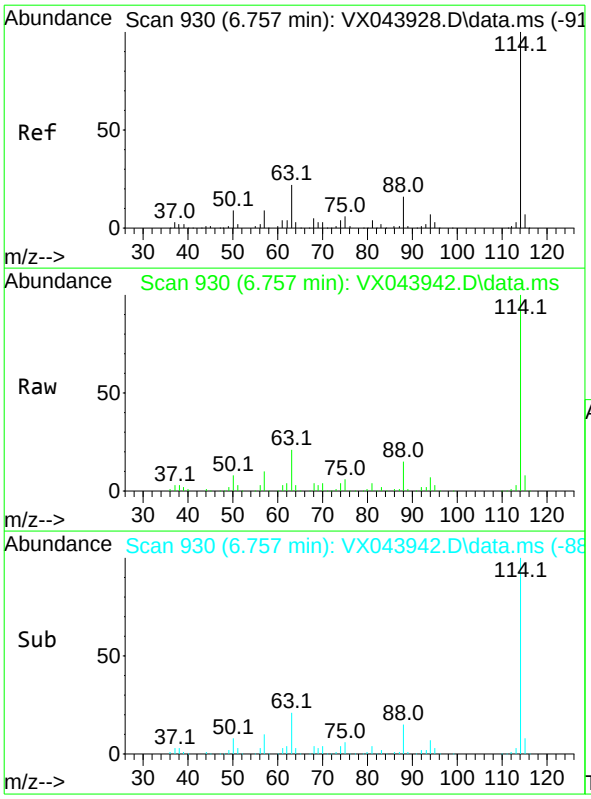




#33
1,2-Dichloroethane-d4
Concen: 48.729 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

Tgt Ion: 65 Resp: 100786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 100.8 |



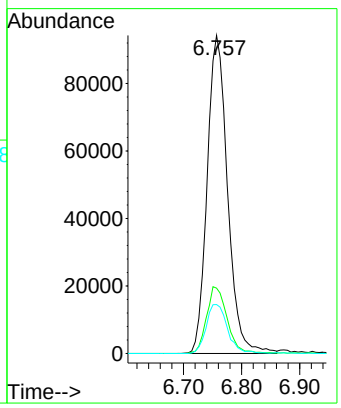


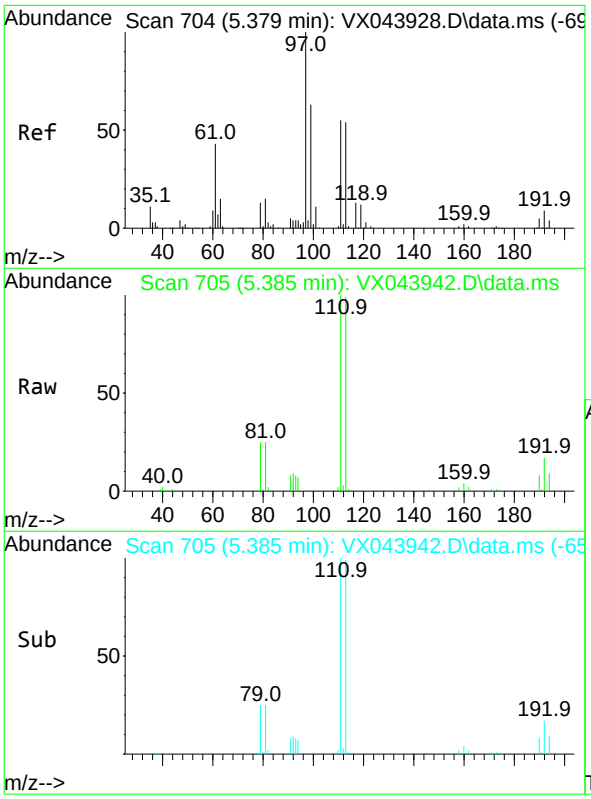

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Tgt Ion:114 Resp: 229817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.0 |
| 88 | 15.4 | 0.0 | 32.4 |

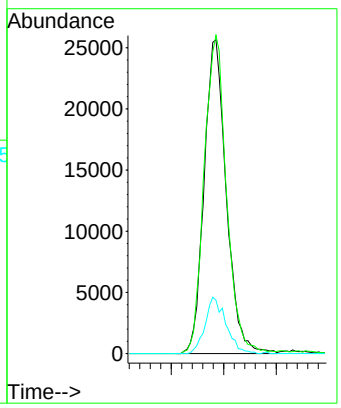


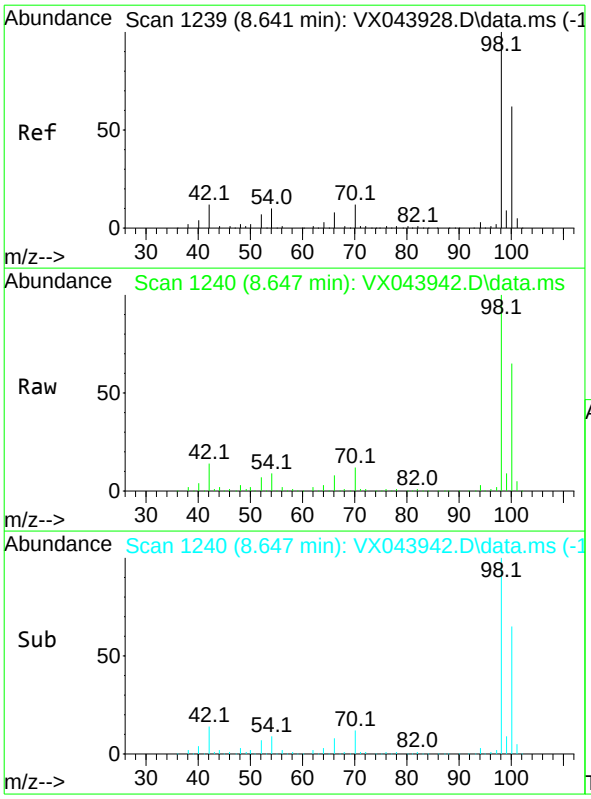




#35
Dibromofluoromethane
Concen: 45.829 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

Tgt Ion:113 Resp: 75258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 81.0 | 121.4 |
| 192 | 16.9 | 13.0 | 19.6 |



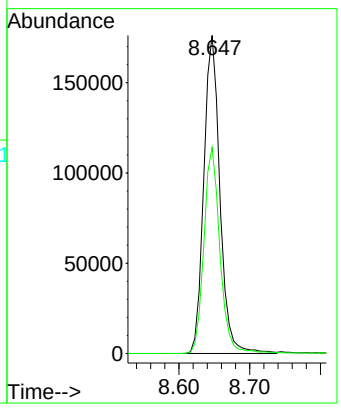


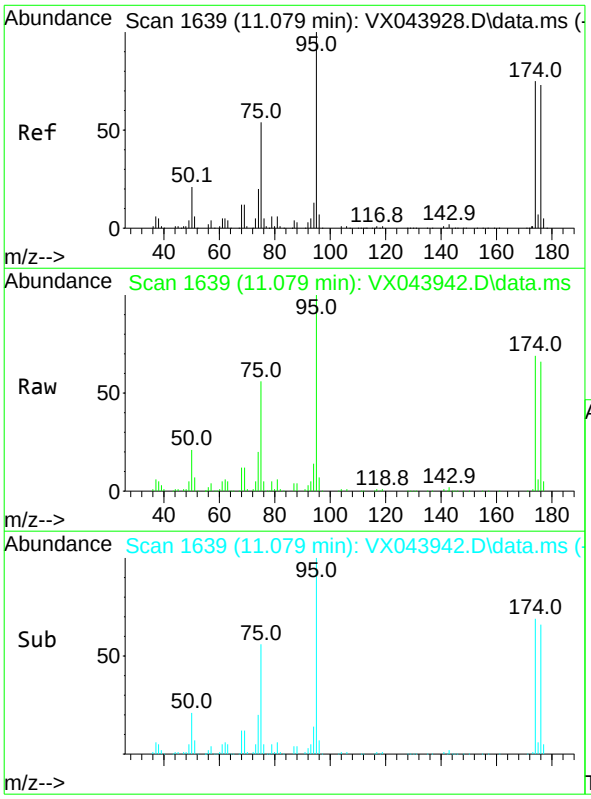

#50
Toluene-d8
Concen: 49.228 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Tgt Ion: 98 Resp: 278665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.6 | 79.0 |

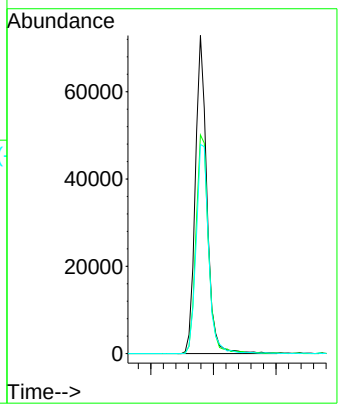


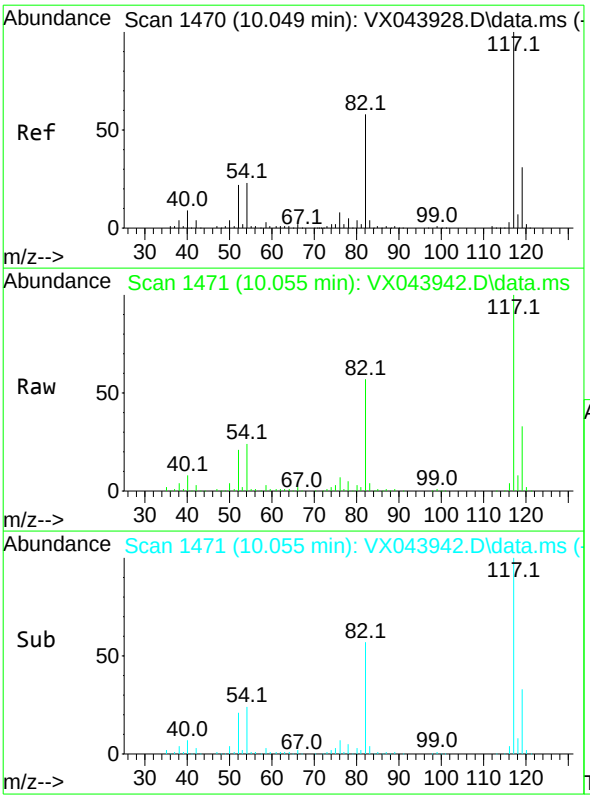




#62
4-Bromofluorobenzene
Concen: 48.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

Tgt Ion: 95 Resp: 93434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.2 | 0.0 | 150.4 |
| 176 | 70.7 | 0.0 | 146.0 |



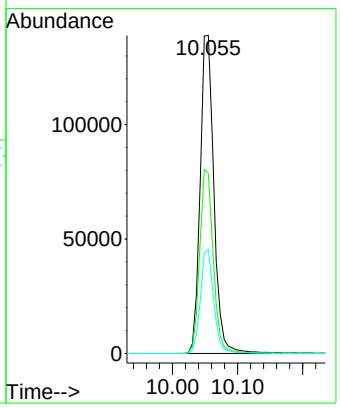


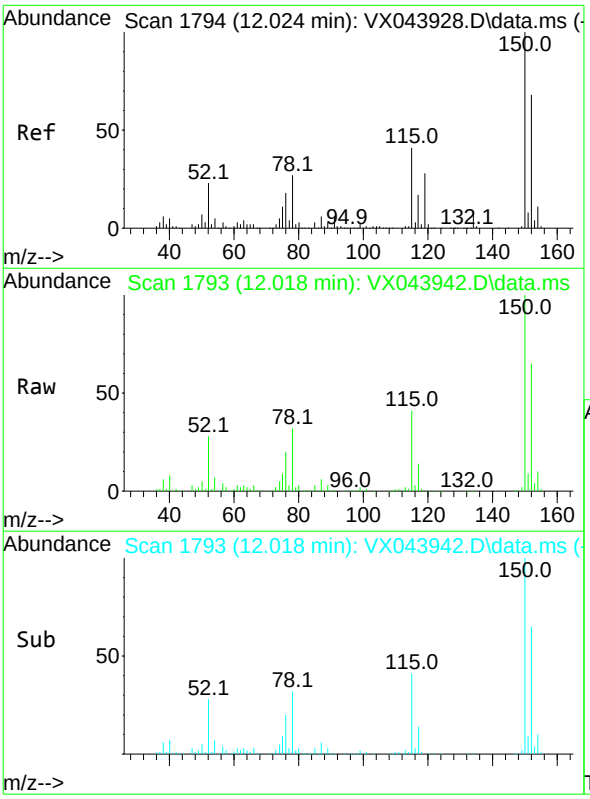

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Tgt Ion:117 Resp: 203544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 46.4 | 69.6 |
| 119 | 32.7 | 24.6 | 37.0 |

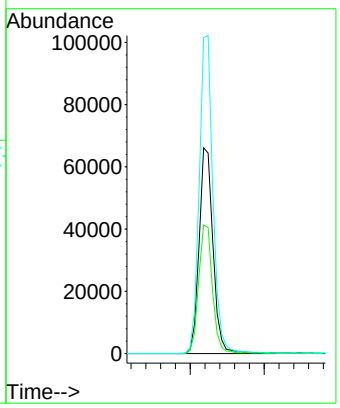



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043942.D
Acq: 21 Nov 2024 17:59

Tgt Ion:152 Resp: 86723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.9 | 45.4 | 136.2 |
| 150 | 152.4 | 0.0 | 353.0 |



Sample Results: **VX043942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043942.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.557 | 69 | 77 | 78 | rBV4 | 8874 | 17763 | 2.34% | 0.449% |
| 2 | 5.385 | 693 | 705 | 719 | rBV | 87349 | 257820 | 34.01% | 6.511% |
| 3 | 5.550 | 721 | 732 | 744 | rBV | 130352 | 380040 | 50.13% | 9.597% |
| 4 | 5.952 | 788 | 798 | 814 | rBV | 107777 | 284755 | 37.56% | 7.191% |
| 5 | 6.757 | 921 | 930 | 947 | rBV | 228048 | 562173 | 74.15% | 14.197% |
| 6 | 8.647 | 1231 | 1240 | 1255 | rBV | 474782 | 758141 | 100.00% | 19.146% |
| 7 | 10.049 | 1465 | 1470 | 1485 | rBV | 445656 | 656549 | 86.60% | 16.580% |
| 8 | 11.079 | 1634 | 1639 | 1654 | rBV | 361662 | 478479 | 63.11% | 12.083% |
| 9 | 12.018 | 1788 | 1793 | 1805 | rBV | 444097 | 564167 | 74.41% | 14.247% |

Sum of corrected areas: 3959887

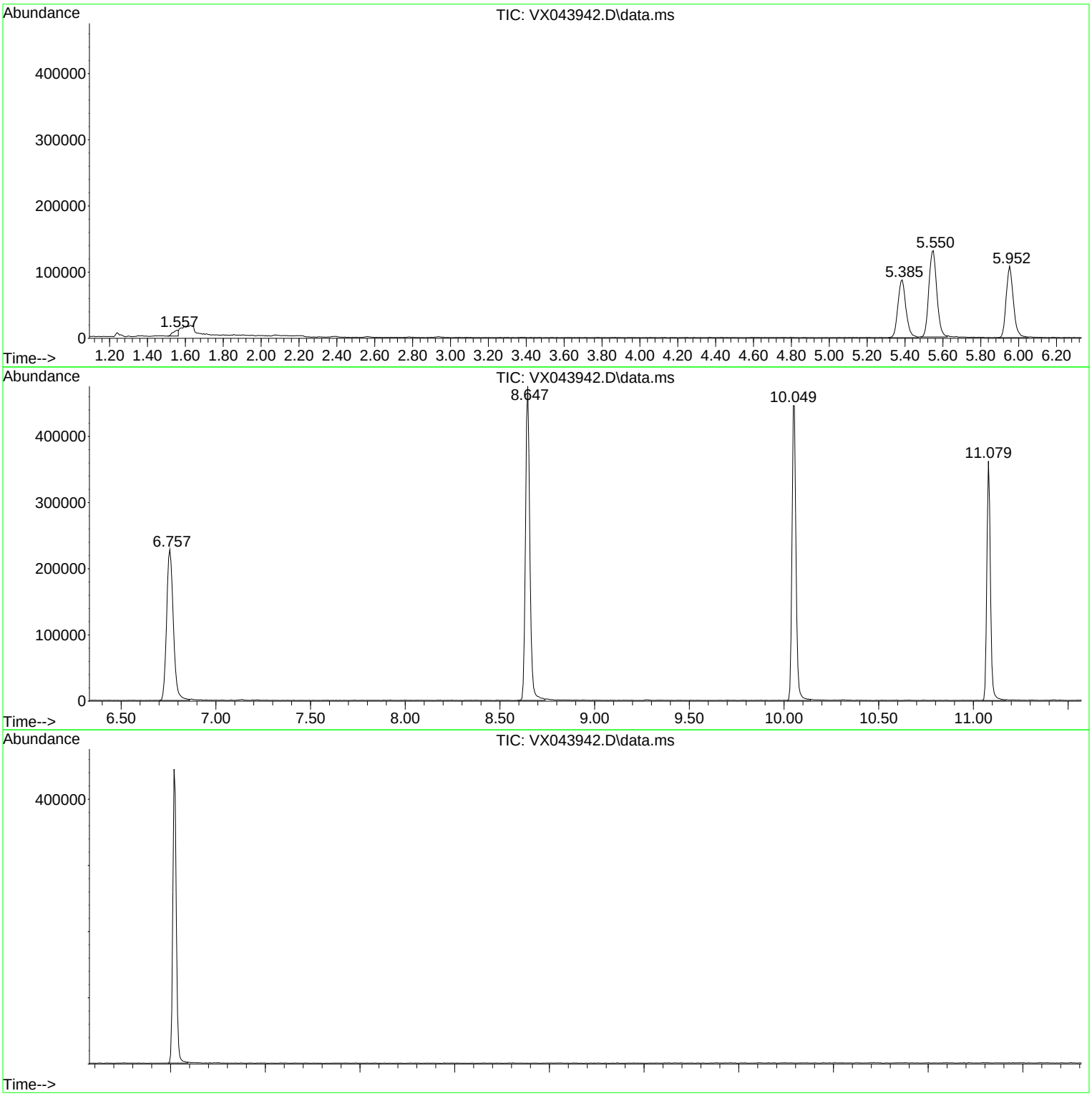
Sample Results: **VX043942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043942.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043942.D
Acq On : 21 Nov 2024 17:59
Operator : JC/MD
Sample : P4934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-7-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043945.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043945.D | 1 | | 11/21/24 19:09 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.90 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043945.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043945.D | 1 | | 11/21/24 19:09 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.5 | | 81 - 118 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.7 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.1 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.1 | | 85 - 114 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 121000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 229000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 199000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 80100 | 12.018 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043945.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/18/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP01-20241118 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-04 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043945.D | 1 | | 11/21/24 19:09 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX043945.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Quant Time: Nov 22 04:03:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 120506 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 229149 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 199026 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 80102 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 102406 | 49.546 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 99.100% | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 76489 | 46.714 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 93.420% | | |
| 50) Toluene-d8 | 8.647 | 98 | 276924 | 49.063 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.120% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90477 | 47.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 94.200% | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 1795 | 1.891 | ug/l # | 87 |

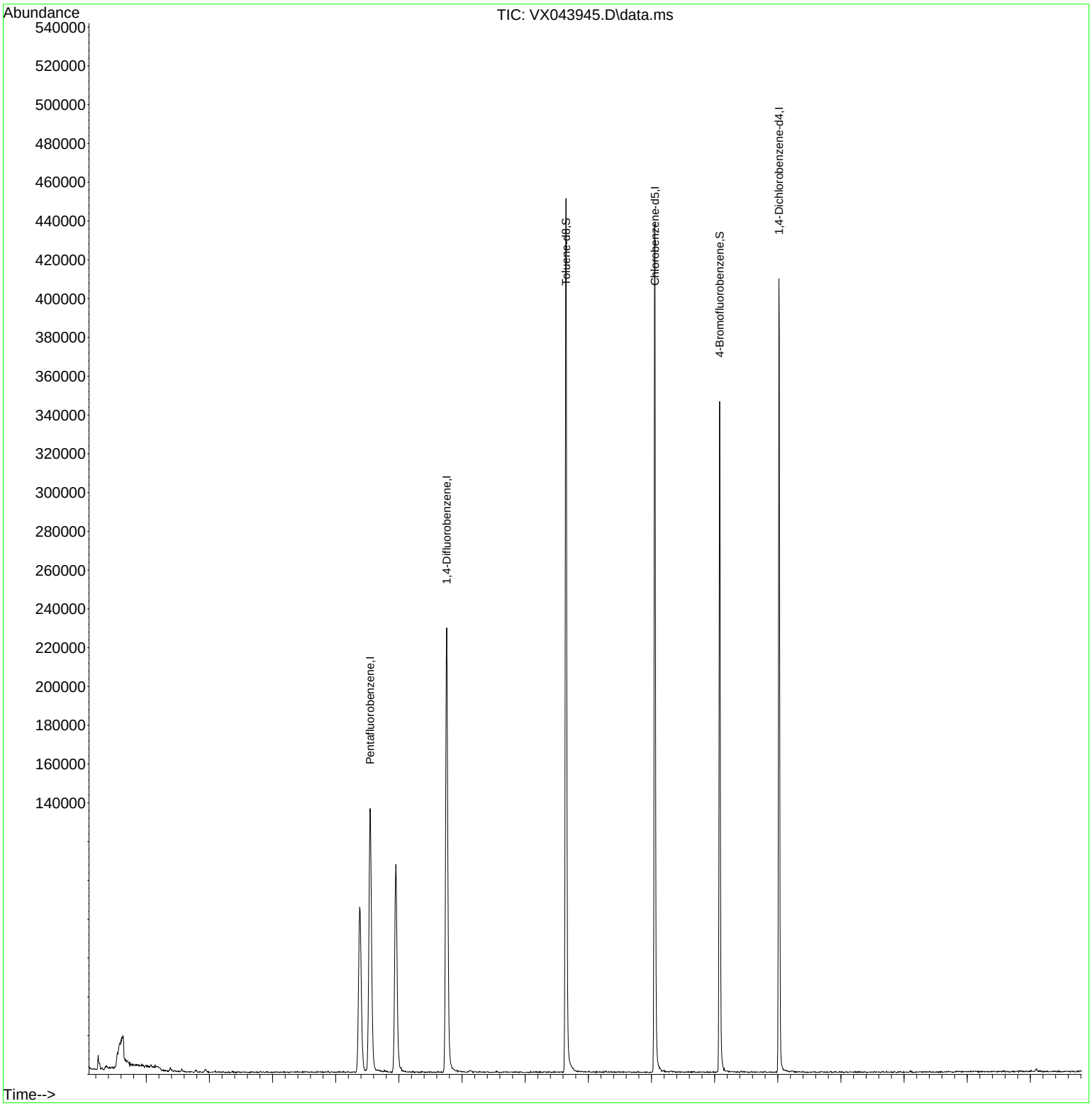
(#) = qualifier out of range (m) = manual integration (+) = signals summed

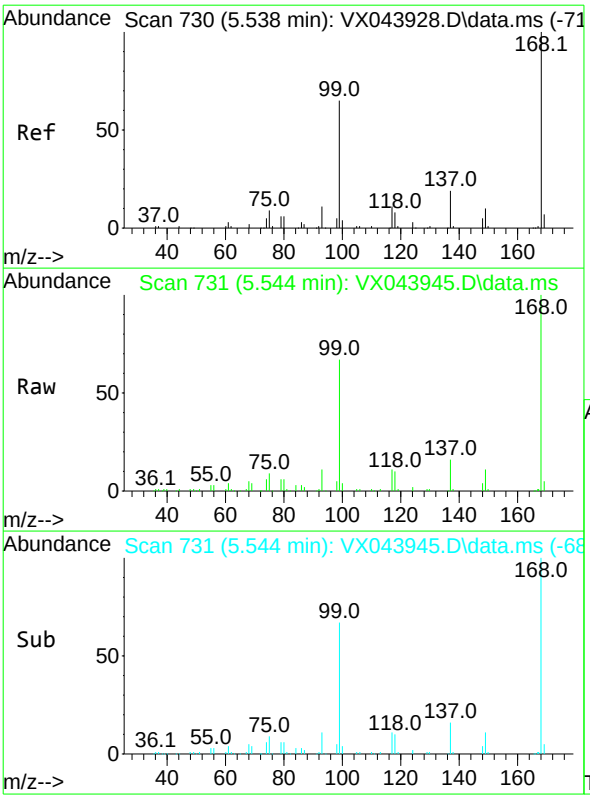
Sample Results: **VX043945.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Quant Time: Nov 22 04:03:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



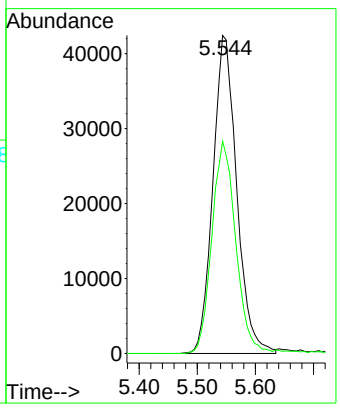


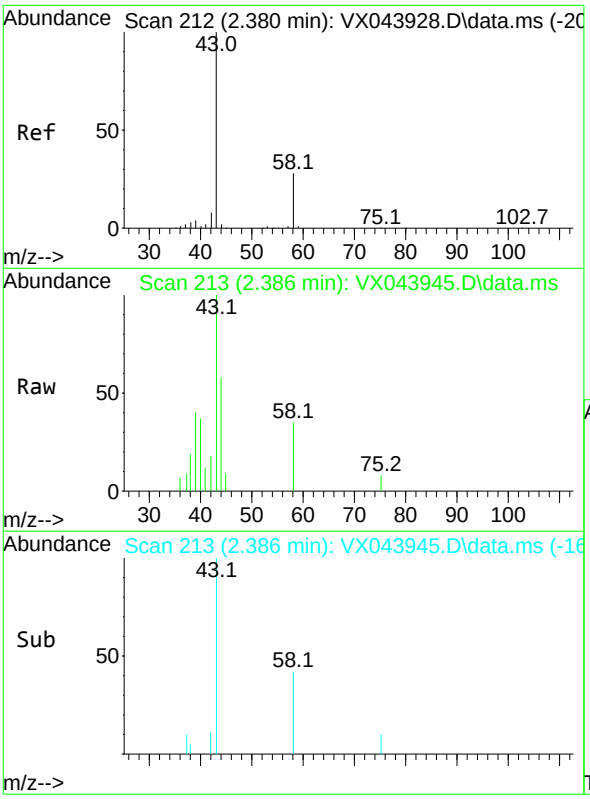

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Tgt Ion:168 Resp: 120506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.8 | 51.8 | 77.8 |

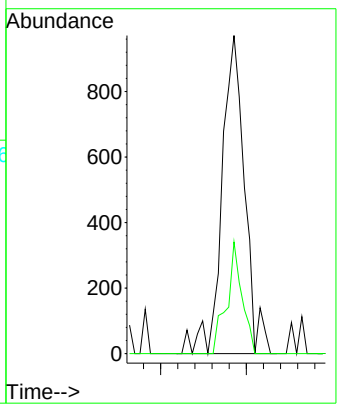


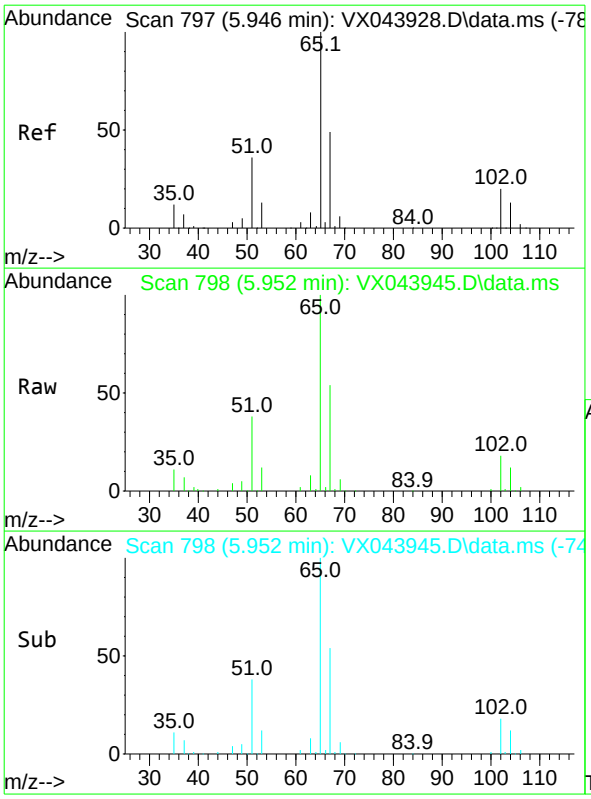




#16
Acetone
Concen: 1.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

Tgt Ion: 43 Resp: 1795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.1 | 22.7 | 34.1# |



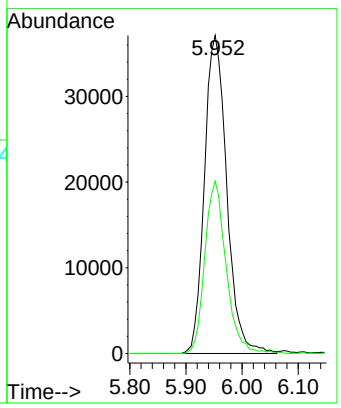


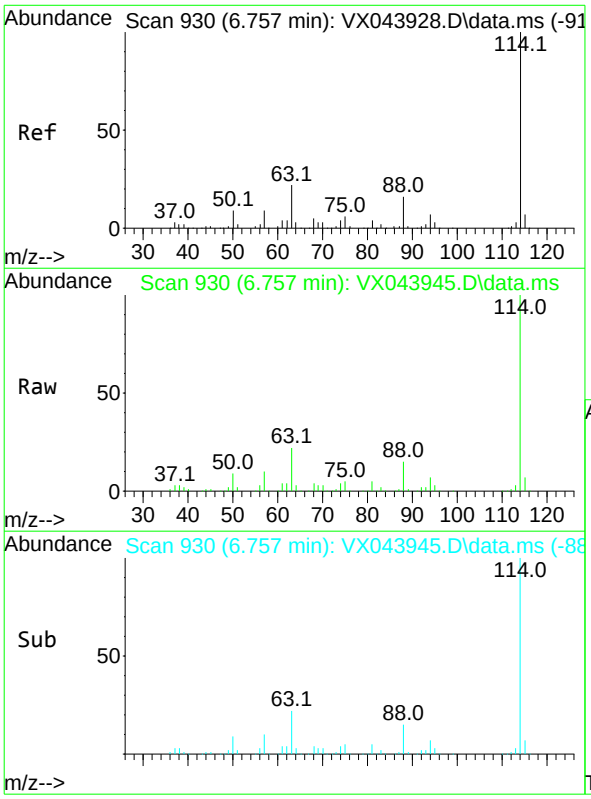

#33
1,2-Dichloroethane-d4
Concen: 49.546 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Tgt Ion: 65 Resp: 102406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 100.8 |

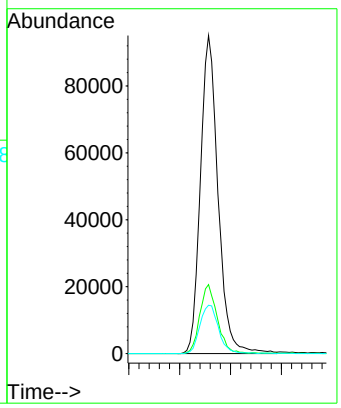


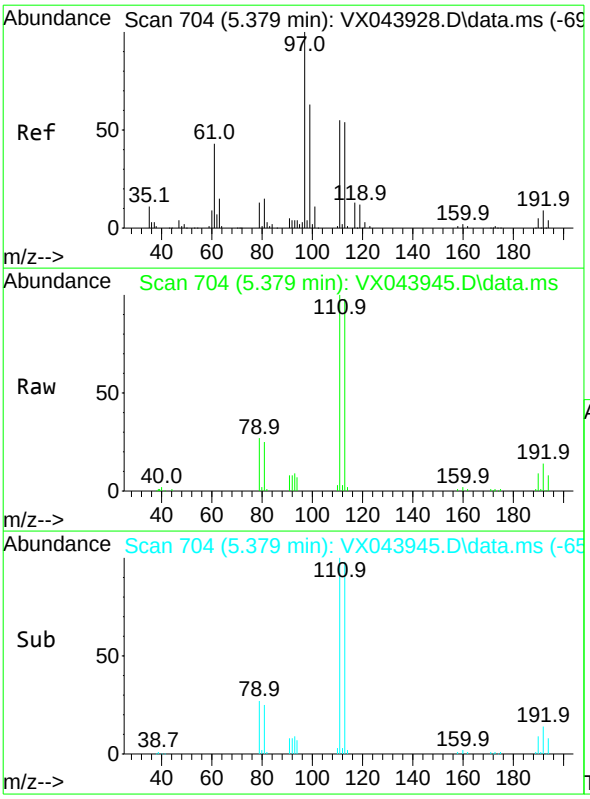




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

Tgt Ion:114 Resp: 229149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 44.0 |
| 88 | 15.2 | 0.0 | 32.4 |



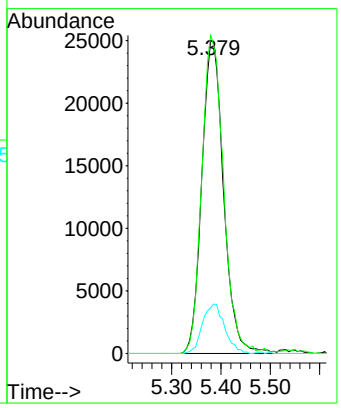


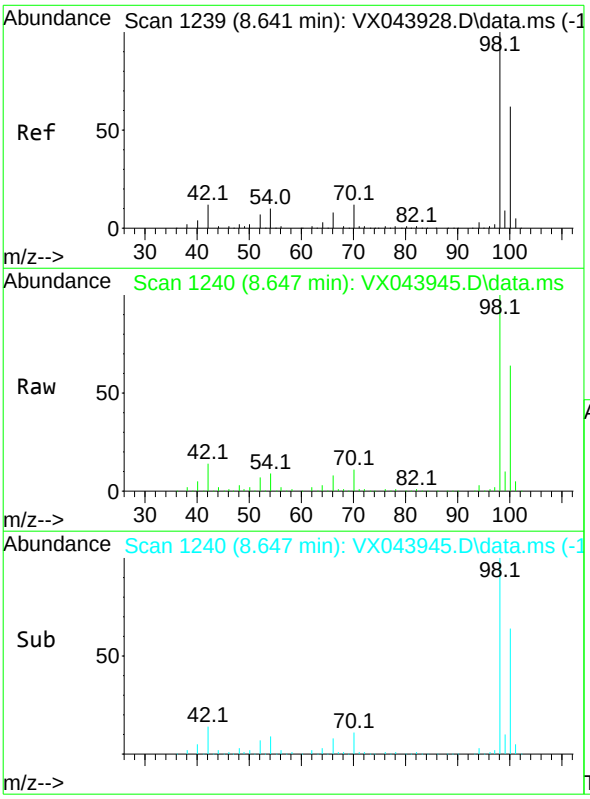

#35
Dibromofluoromethane
Concen: 46.714 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Tgt Ion:113 Resp: 76489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 81.0 | 121.4 |
| 192 | 16.1 | 13.0 | 19.6 |

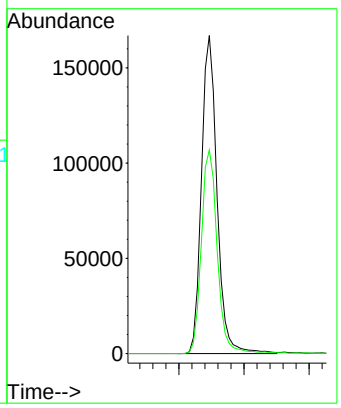


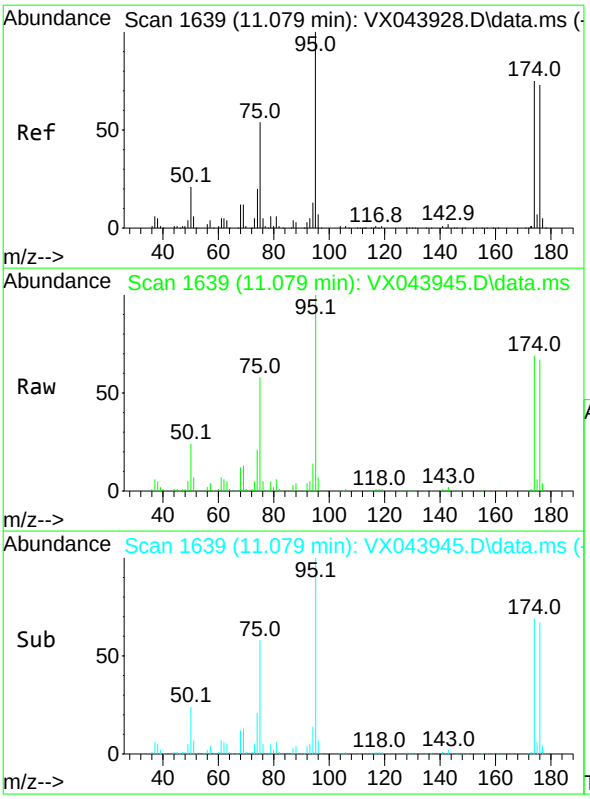




#50
Toluene-d8
Concen: 49.063 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

Tgt Ion: 98 Resp: 276924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 52.6 | 79.0 |



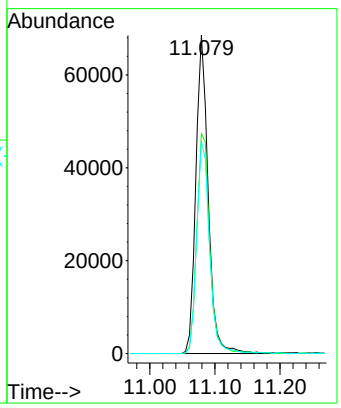


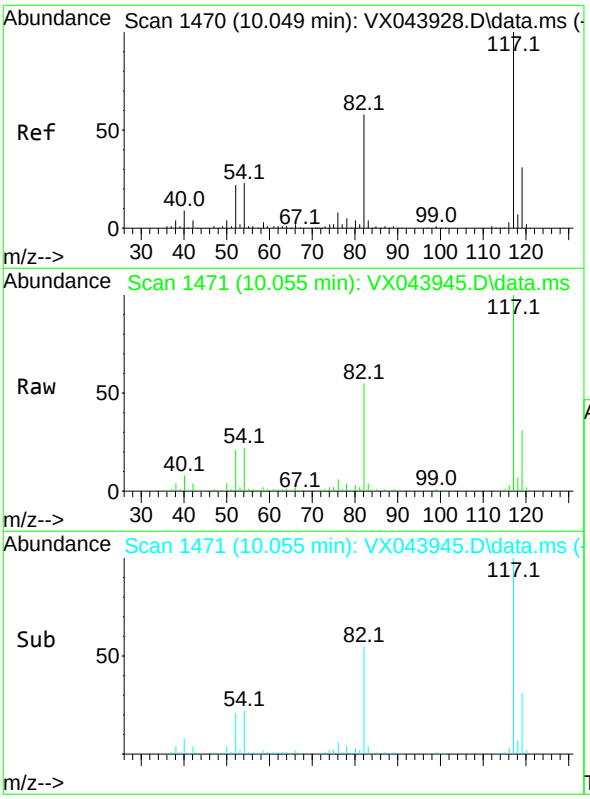

#62
4-Bromofluorobenzene
Concen: 47.102 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Tgt Ion: 95 Resp: 90477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 150.4 |
| 176 | 69.6 | 0.0 | 146.0 |

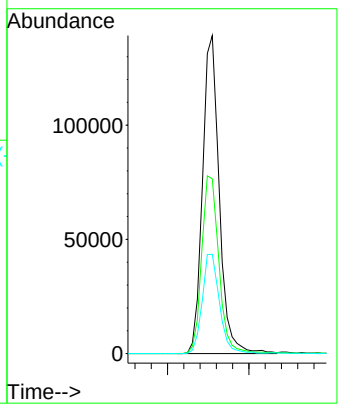


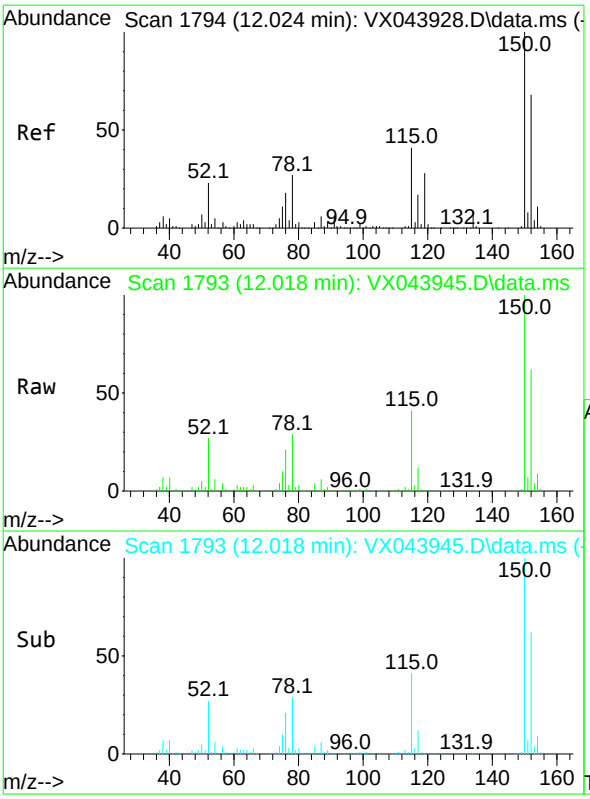




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

Tgt Ion:117 Resp: 199026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 46.4 | 69.6 |
| 119 | 31.2 | 24.6 | 37.0 |



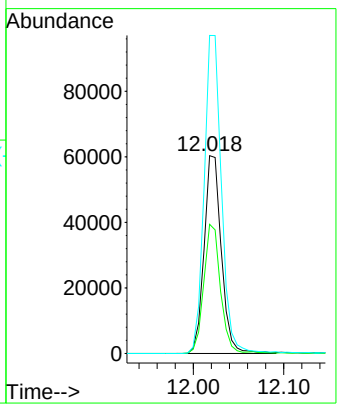



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043945.D
Acq: 21 Nov 2024 19:09

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Tgt Ion:152 Resp: 80102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.7 | 45.4 | 136.2 |
| 150 | 161.8 | 0.0 | 353.0 |



Sample Results: **VX043945.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043945.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.239 | 21 | 25 | 28 | rBV | 7400 | 8943 | 1.18% | 0.228% |
| 2 | 1.544 | 69 | 75 | 76 | rBV3 | 7373 | 10966 | 1.44% | 0.280% |
| 3 | 1.587 | 76 | 82 | 83 | rVV5 | 5637 | 12075 | 1.59% | 0.308% |
| 4 | 5.379 | 693 | 704 | 717 | rBV2 | 84905 | 258390 | 33.97% | 6.594% |
| 5 | 5.544 | 720 | 731 | 746 | rVV2 | 135320 | 389612 | 51.22% | 9.943% |
| 6 | 5.952 | 788 | 798 | 811 | rBV2 | 107363 | 286311 | 37.64% | 7.307% |
| 7 | 6.757 | 920 | 930 | 944 | rBV | 229391 | 556293 | 73.13% | 14.196% |
| 8 | 8.647 | 1233 | 1240 | 1257 | rBV | 450699 | 760696 | 100.00% | 19.413% |
| 9 | 10.049 | 1465 | 1470 | 1482 | rBV | 437286 | 648476 | 85.25% | 16.549% |
| 10 | 11.079 | 1634 | 1639 | 1650 | rBV | 345660 | 454750 | 59.78% | 11.605% |
| 11 | 12.018 | 1788 | 1793 | 1807 | rBV | 409065 | 532059 | 69.94% | 13.578% |

Sum of corrected areas: 3918571

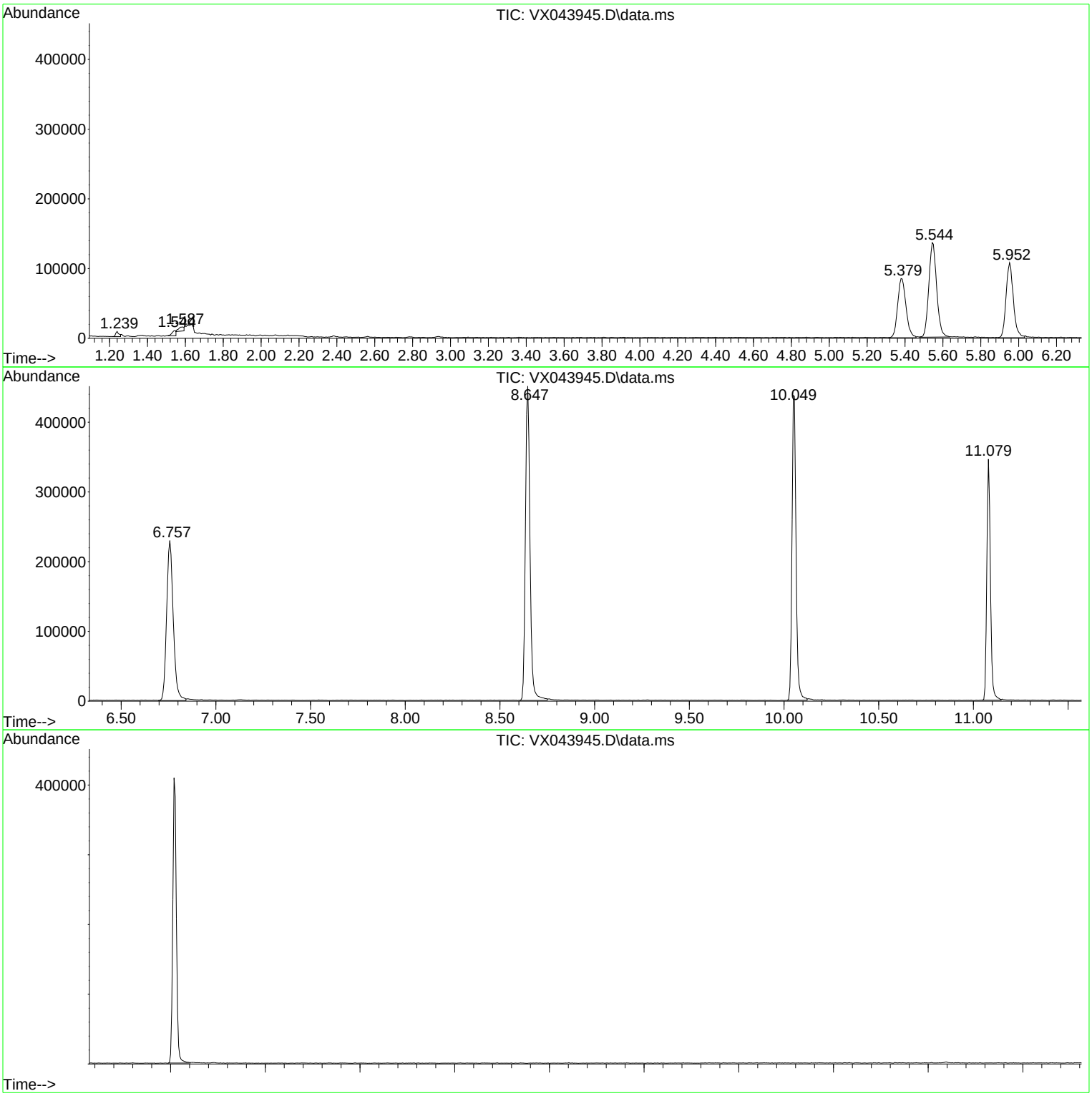
Sample Results: **VX043945.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043945.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043945.D
Acq On : 21 Nov 2024 19:09
Operator : JC/MD
Sample : P4934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 33 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP01-20241118

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043947.D | 1 | | 11/21/24 19:55 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.36 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.90 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | UQ | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043947.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043947.D | 1 | | 11/21/24 19:55 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.1 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.2 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.8 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.2 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 111000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 211000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 189000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 77900 | 12.018 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043947.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-05 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043947.D | 1 | | 11/21/24 19:55 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Quant Time: Nov 22 04:04:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 110999 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 211108 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 188768 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 77869 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 95301 | 50.058 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.120% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 69690 | 46.199 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.400% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 259081 | 49.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.640% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 85216 | 48.154 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.300% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.301 | 50 | 528 | 0.357 | ug/l | 93 |
| 16) Acetone | 2.392 | 43 | 1697 | 1.941 | ug/l | 100 |

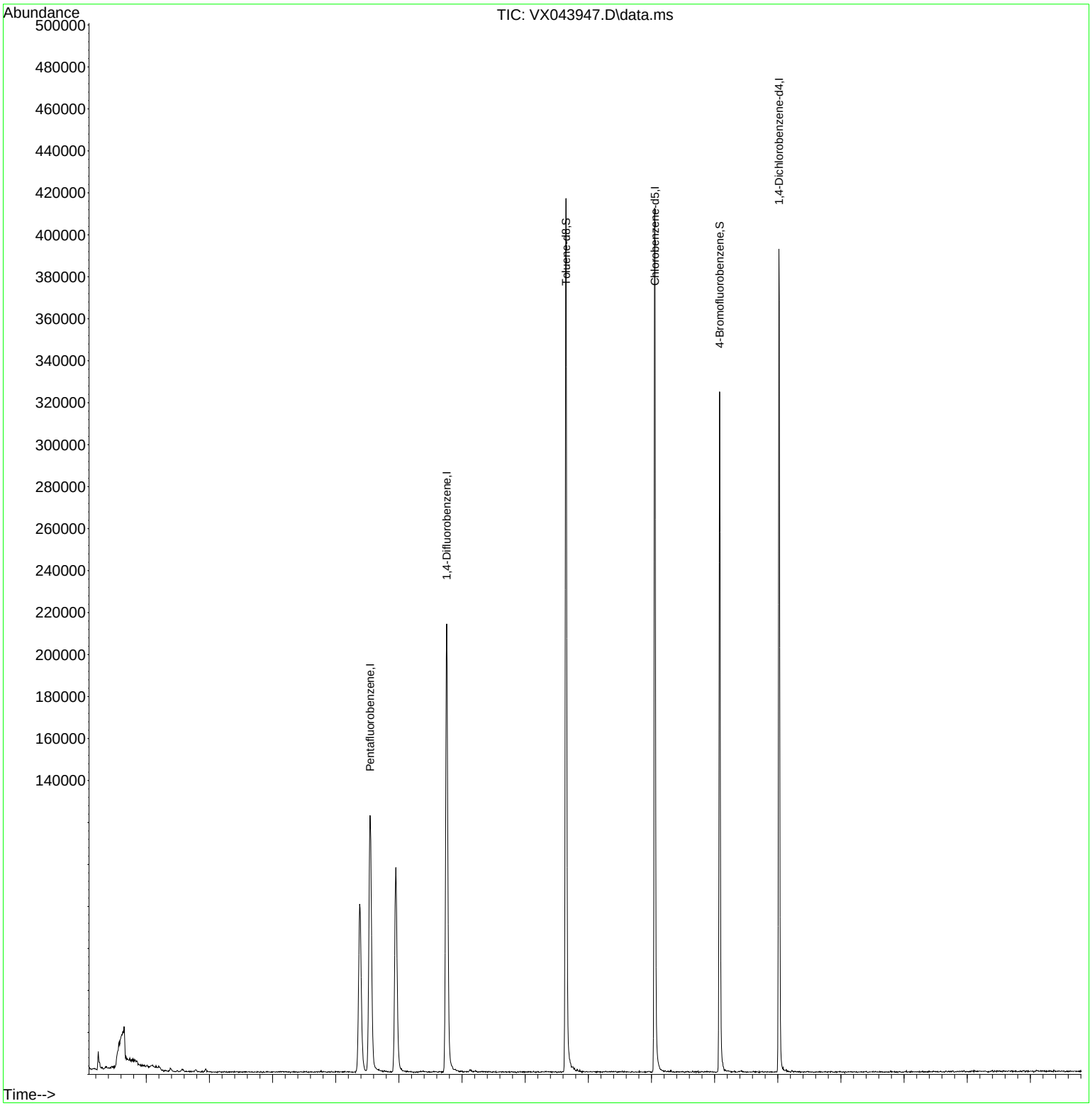
(#) = qualifier out of range (m) = manual integration (+) = signals summed

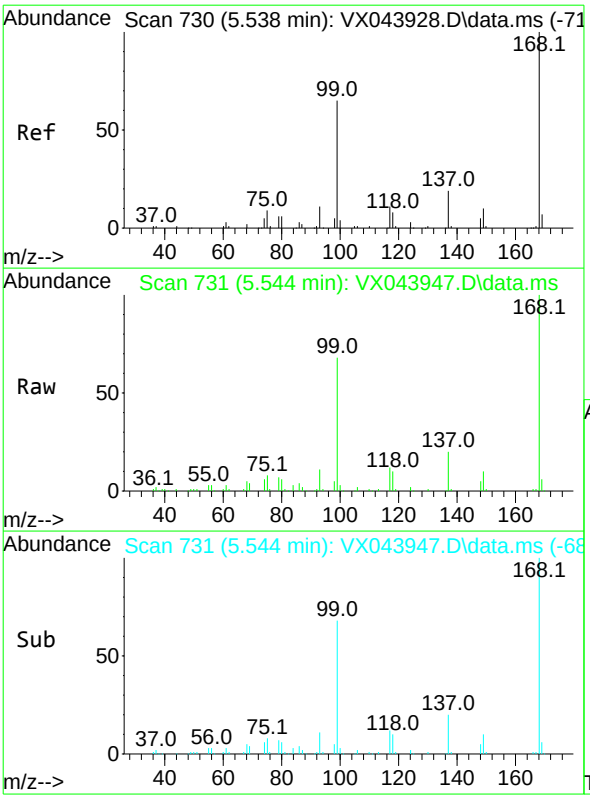
Sample Results: **VX043947.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Quant Time: Nov 22 04:04:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



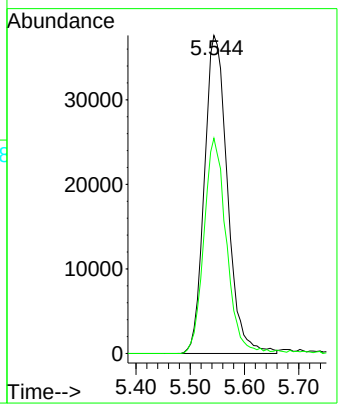


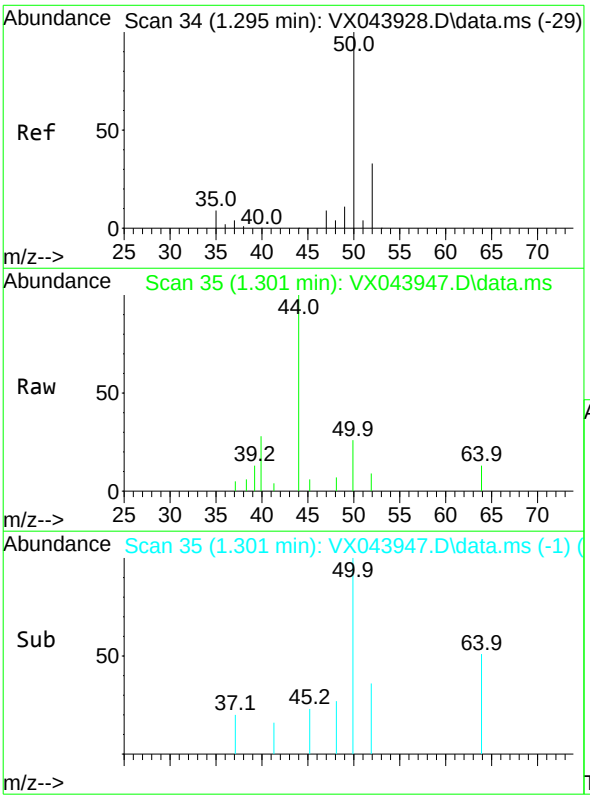

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Tgt Ion:168 Resp: 110999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.7 | 51.8 | 77.8 |

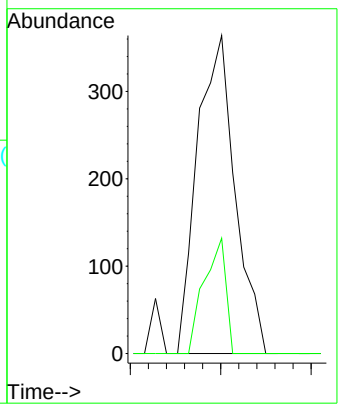


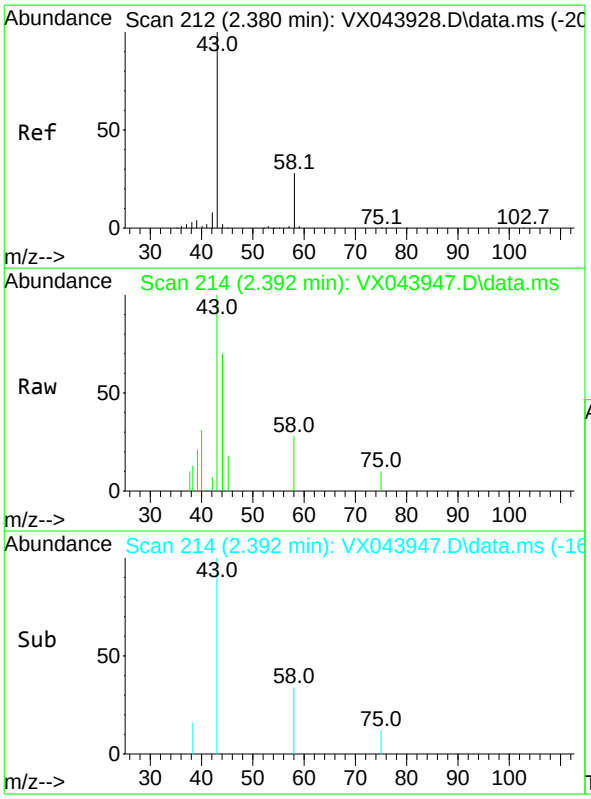




#3
Chloromethane
Concen: 0.357 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

Tgt Ion: 50 Resp: 528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 36.3 | 26.1 | 39.1 |



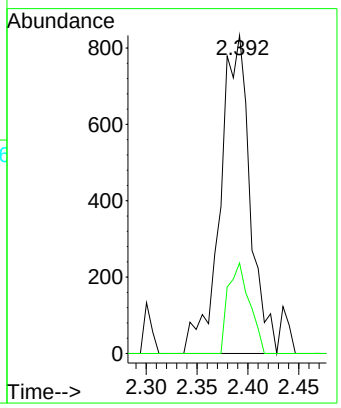


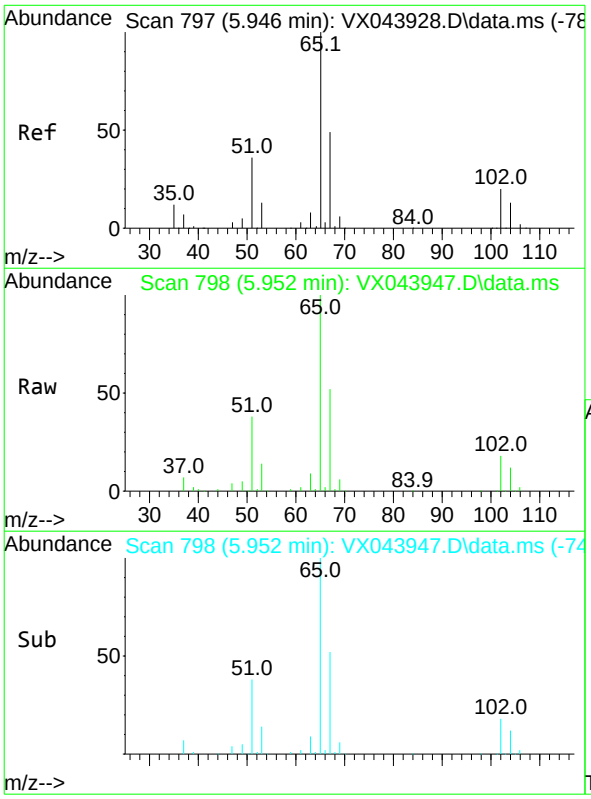

#16
Acetone
Concen: 1.941 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Tgt Ion: 43 Resp: 1697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.5 | 22.7 | 34.1 |

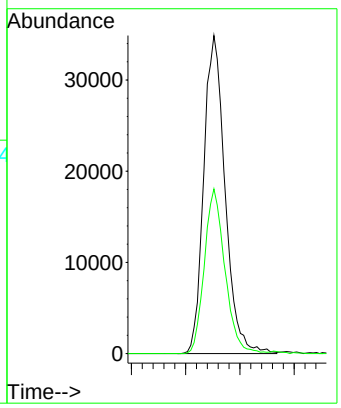


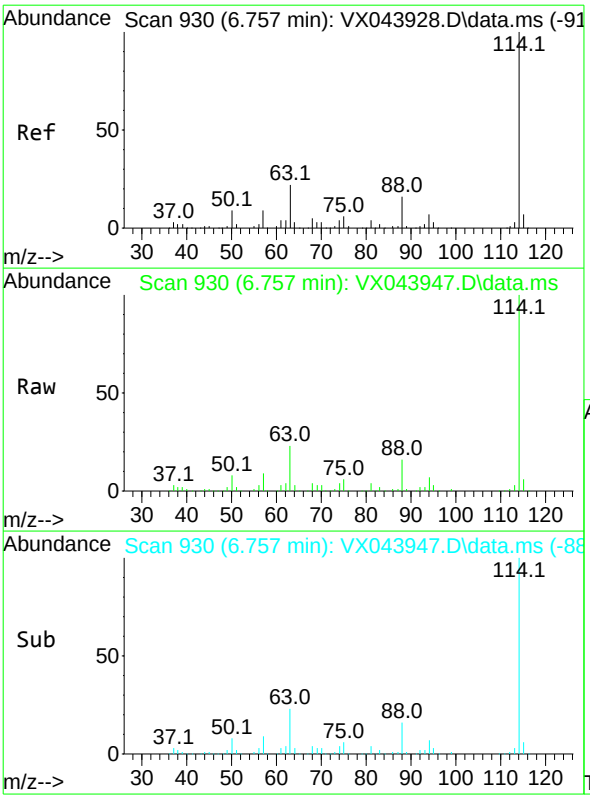




#33
1,2-Dichloroethane-d4
Concen: 50.058 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

Tgt Ion: 65 Resp: 95301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.8 | 0.0 | 100.8 |



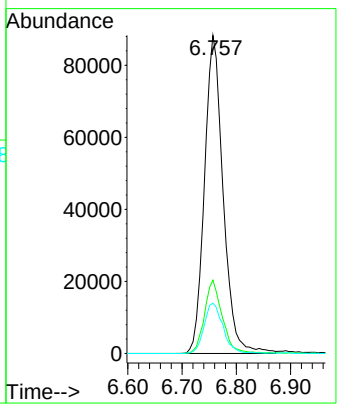


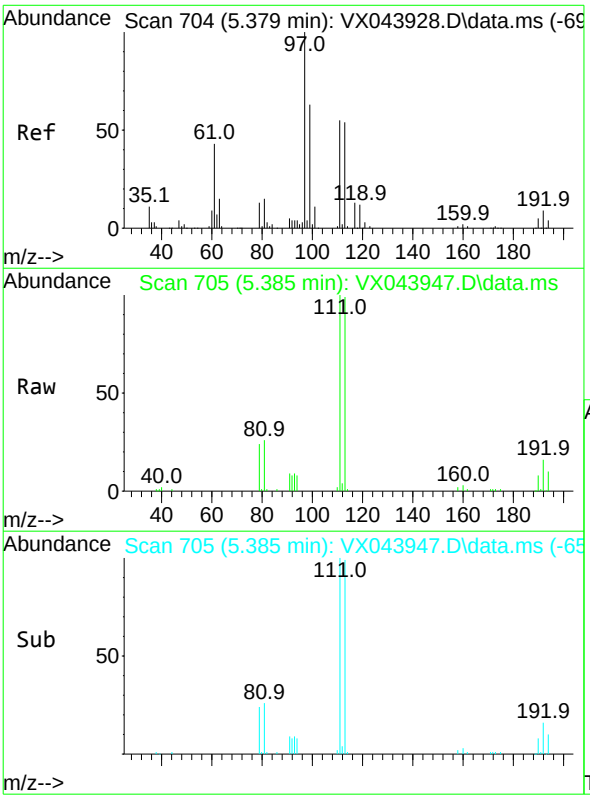

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Tgt Ion:114 Resp: 211108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.1 | 0.0 | 44.0 |
| 88 | 15.8 | 0.0 | 32.4 |

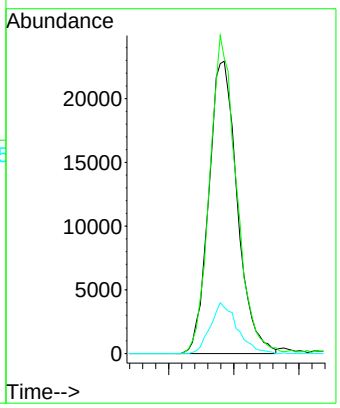


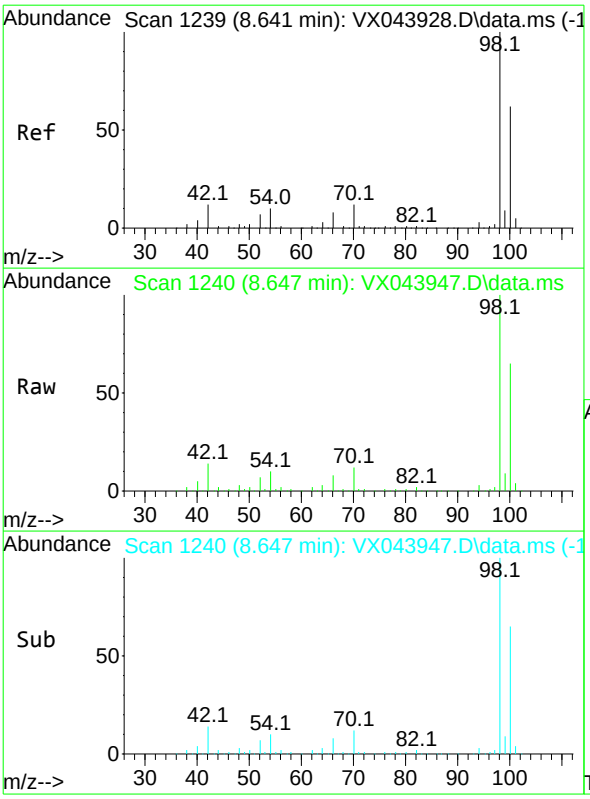




#35
Dibromofluoromethane
Concen: 46.199 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

Tgt Ion:113 Resp: 69690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 81.0 | 121.4 |
| 192 | 16.4 | 13.0 | 19.6 |



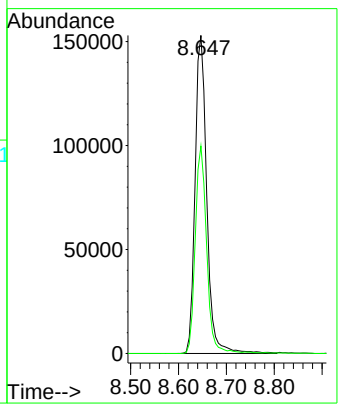


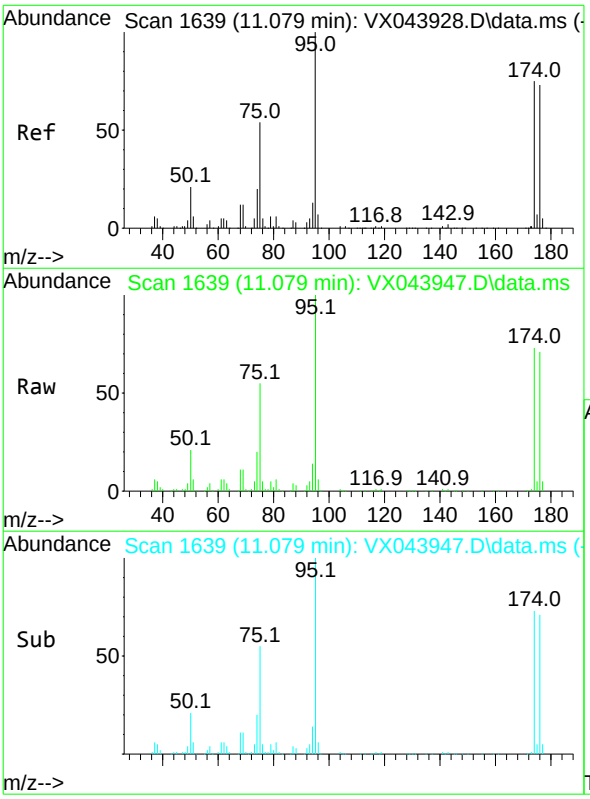

#50
Toluene-d8
Concen: 49.825 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Tgt Ion: 98 Resp: 259081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.4 | 52.6 | 79.0 |

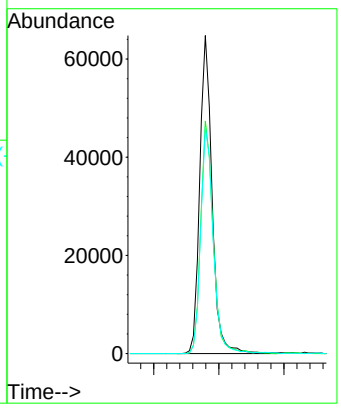


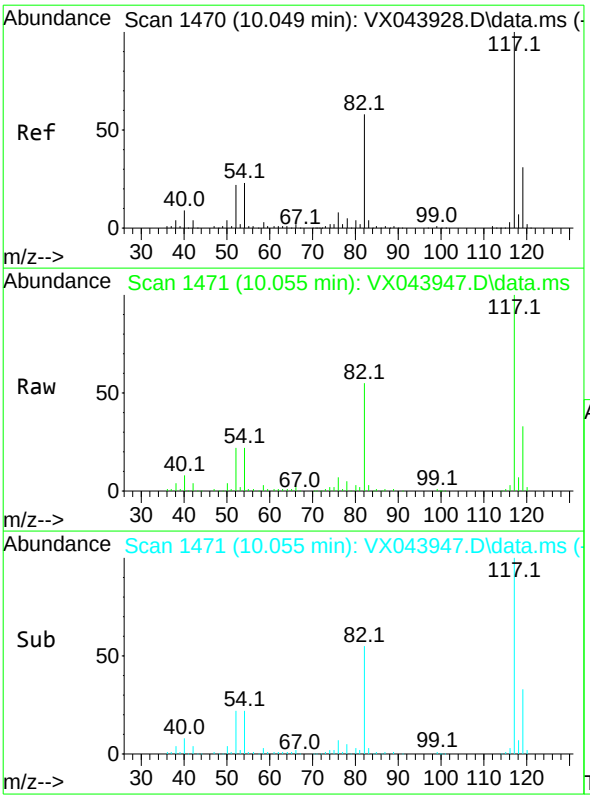




#62
4-Bromofluorobenzene
Concen: 48.154 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

Tgt Ion: 95 Resp: 85216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.2 | 0.0 | 150.4 |
| 176 | 72.6 | 0.0 | 146.0 |



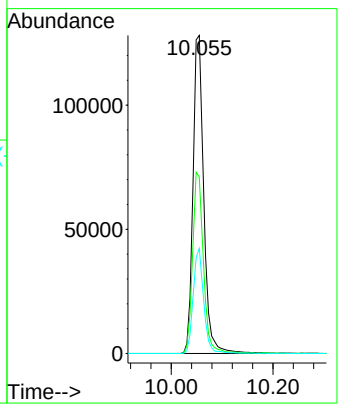


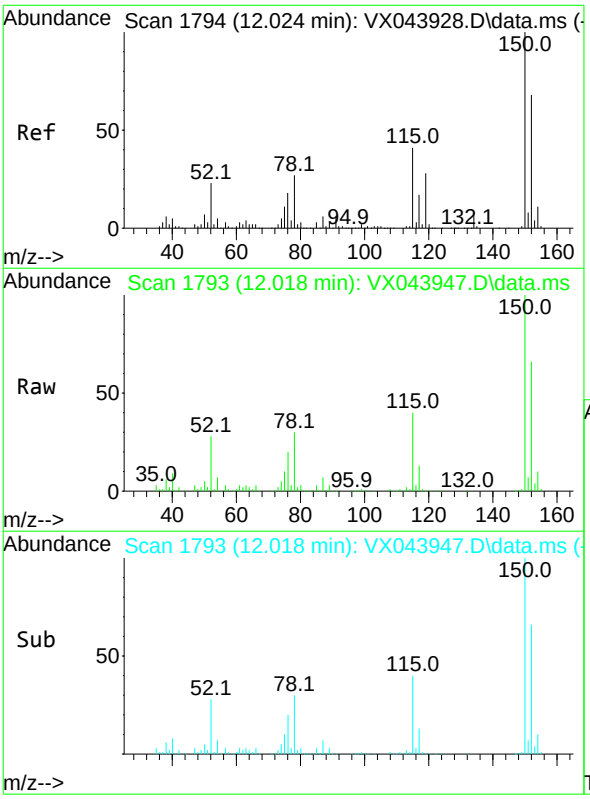

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Tgt Ion:117 Resp: 188768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.5 | 46.4 | 69.6 |
| 119 | 33.0 | 24.6 | 37.0 |

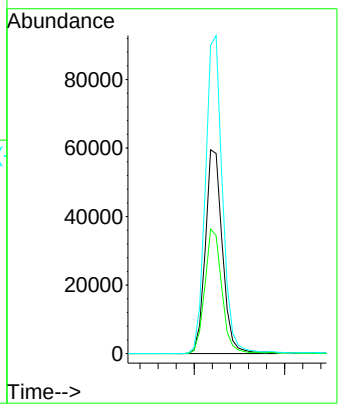



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043947.D
Acq: 21 Nov 2024 19:55

Tgt Ion:152 Resp: 77869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 45.4 | 136.2 |
| 150 | 156.5 | 0.0 | 353.0 |



Sample Results: **VX043947.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043947.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 22 | 25 | 27 | rBV | 8748 | 9236 | 1.33% | 0.247% |
| 2 | 1.630 | 68 | 89 | 90 | rBV4 | 17153 | 81877 | 11.80% | 2.191% |
| 3 | 1.648 | 90 | 92 | 96 | rVB3 | 15404 | 18944 | 2.73% | 0.507% |
| 4 | 5.379 | 693 | 704 | 721 | rBV | 80275 | 241351 | 34.77% | 6.457% |
| 5 | 5.544 | 721 | 731 | 751 | rVV | 121655 | 360179 | 51.89% | 9.636% |
| 6 | 5.952 | 789 | 798 | 815 | rBV2 | 97258 | 261949 | 37.74% | 7.008% |
| 7 | 6.757 | 921 | 930 | 949 | rBV | 213630 | 518048 | 74.63% | 13.860% |
| 8 | 8.647 | 1234 | 1240 | 1254 | rBV | 415901 | 694137 | 100.00% | 18.571% |
| 9 | 10.049 | 1465 | 1470 | 1490 | rBV | 411532 | 611924 | 88.16% | 16.372% |
| 10 | 11.079 | 1634 | 1639 | 1651 | rBV | 323856 | 431026 | 62.10% | 11.532% |
| 11 | 12.018 | 1788 | 1793 | 1803 | rBV | 392143 | 509039 | 73.33% | 13.619% |

Sum of corrected areas: 3737710

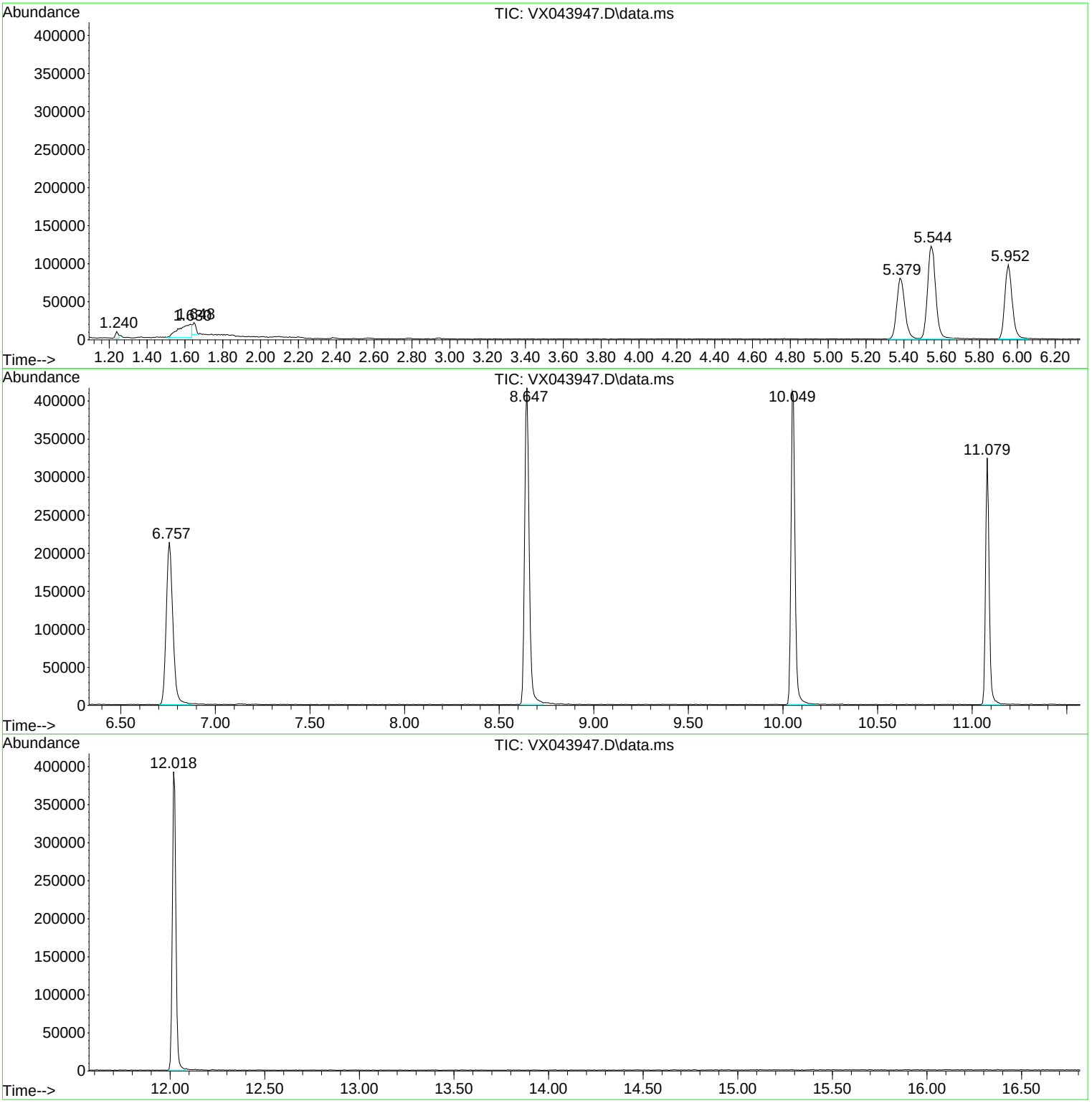
Sample Results: **VX043947.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043947.D
Acq On : 21 Nov 2024 19:55
Operator : JC/MD
Sample : P4934-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043943.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-9-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043943.D | 1 | | 11/21/24 18:23 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.60 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043943.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-9-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043943.D | 1 | | 11/21/24 18:23 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.9 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.1 | | 80 - 119 | | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.9 | | 85 - 114 | | 92% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 110000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 206000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 181000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 69000 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043943.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-9-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-08 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043943.D | 1 | | 11/21/24 18:23 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Quant Time: Nov 22 04:03:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

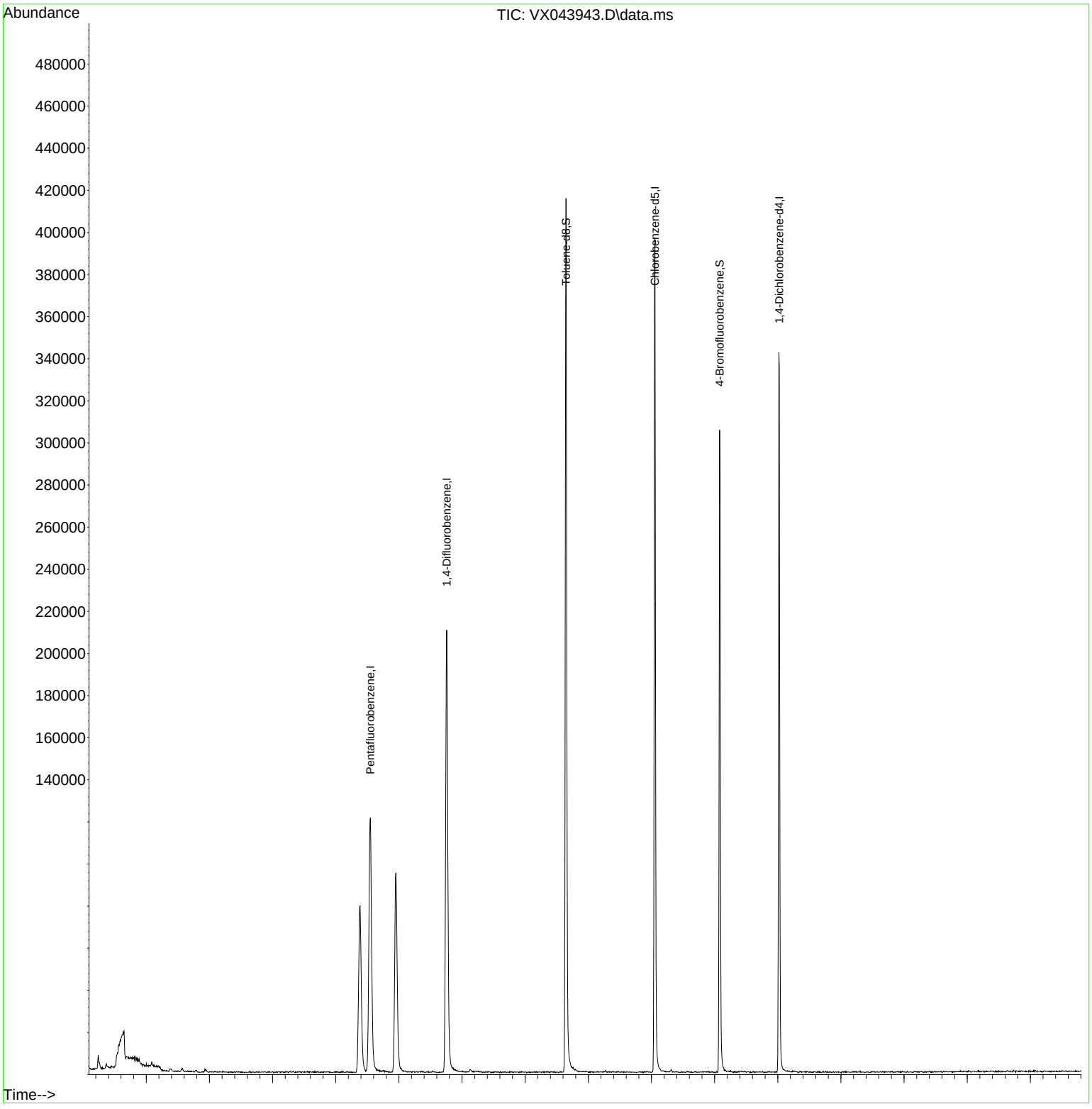
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 110330 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 206208 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 181398 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 69030 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 94499 | 49.937 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 99.880% | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 69376 | 47.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 94.160% | | |
| 50) Toluene-d8 | 8.647 | 98 | 251263 | 49.469 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.940% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 79292 | 45.871 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 91.740% | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 428 | 0.291 | ug/l # | 87 |
| 16) Acetone | 2.386 | 43 | 1356 | 1.560 | ug/l # | 89 |

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

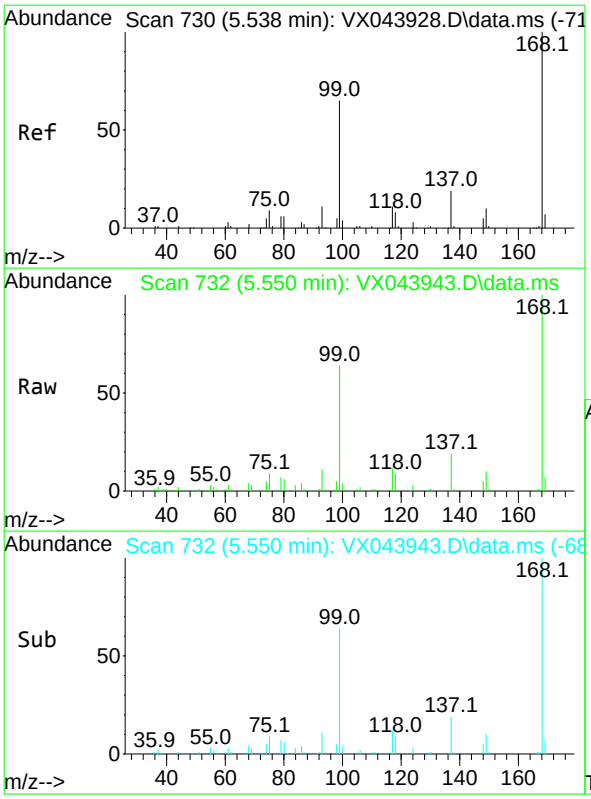
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Quant Time: Nov 22 04:03:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



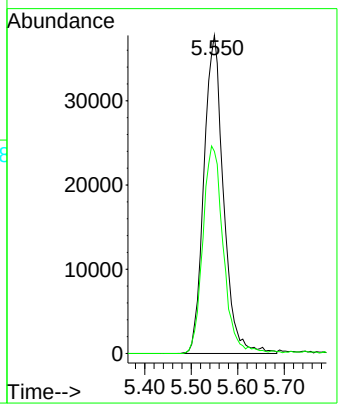
**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

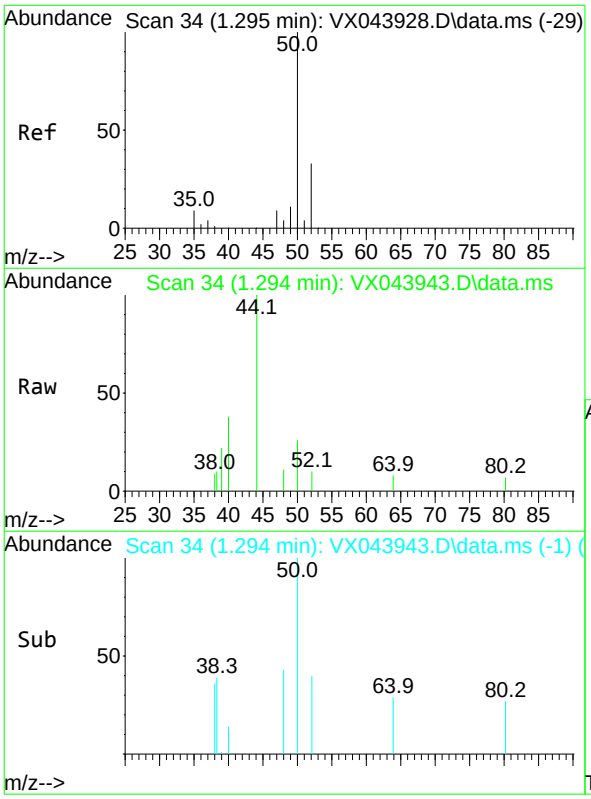



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion:168 Resp: 110330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.5 | 51.8 | 77.8 |

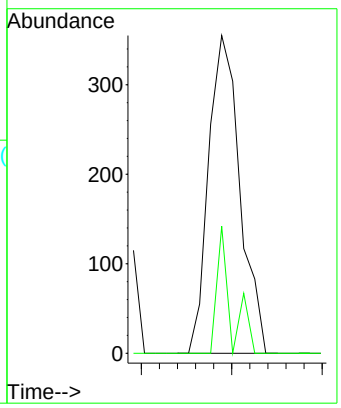


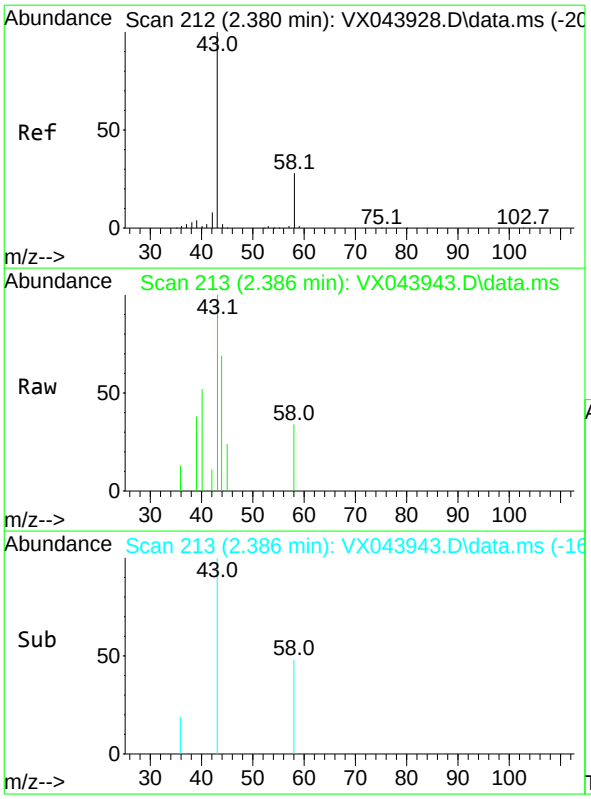




#3
Chloromethane
Concen: 0.291 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion: 50 Resp: 428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 40.0 | 26.1 | 39.1# |



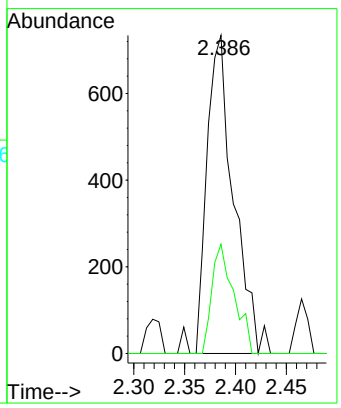


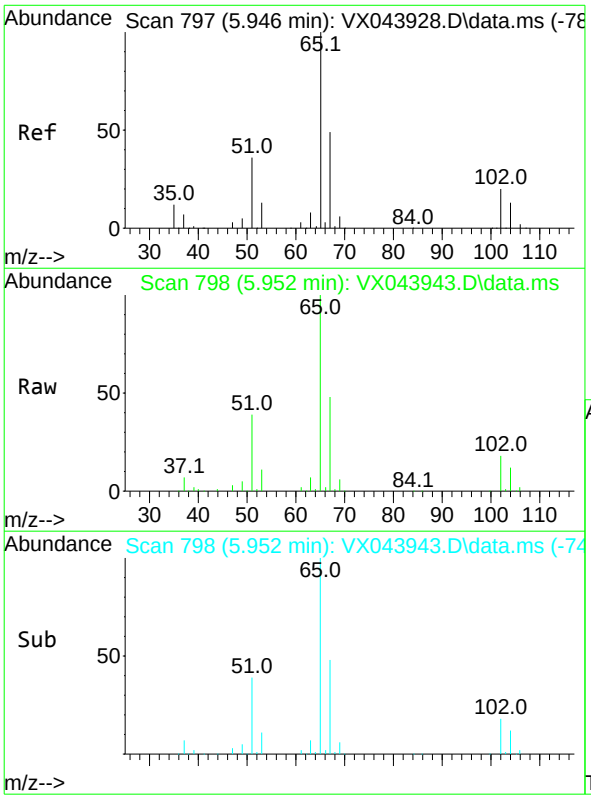

#16
Acetone
Concen: 1.560 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Tgt Ion: 43 Resp: 1356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.3 | 22.7 | 34.1# |

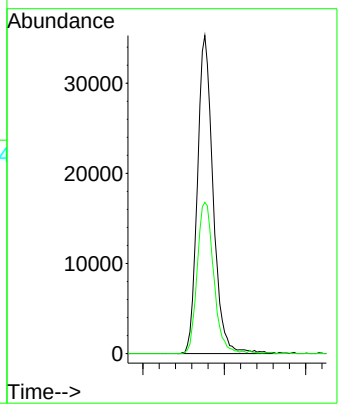


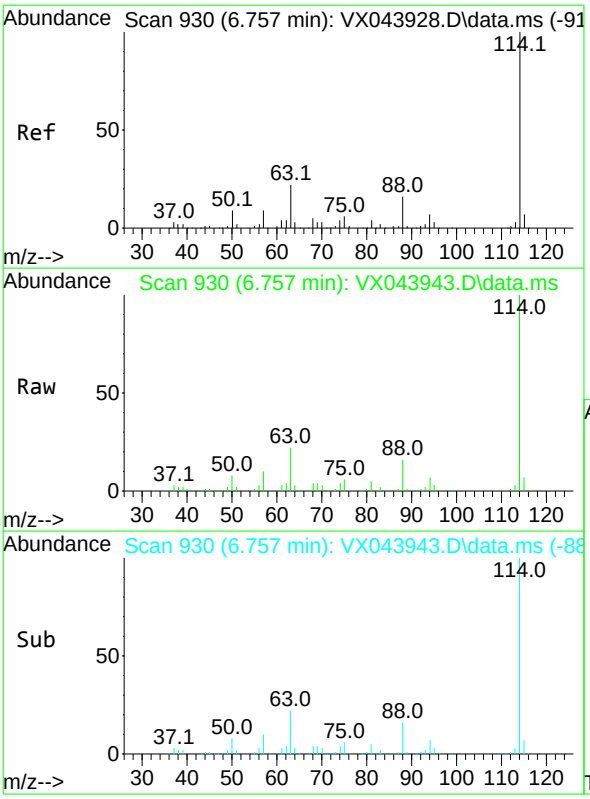




#33
1,2-Dichloroethane-d4
Concen: 49.937 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion: 65 Resp: 94499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 100.8 |



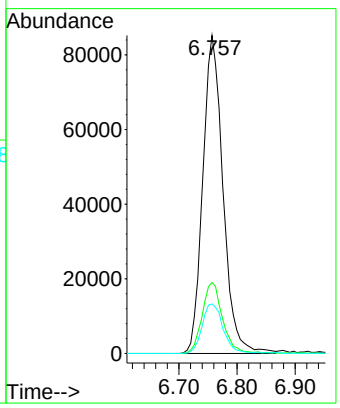


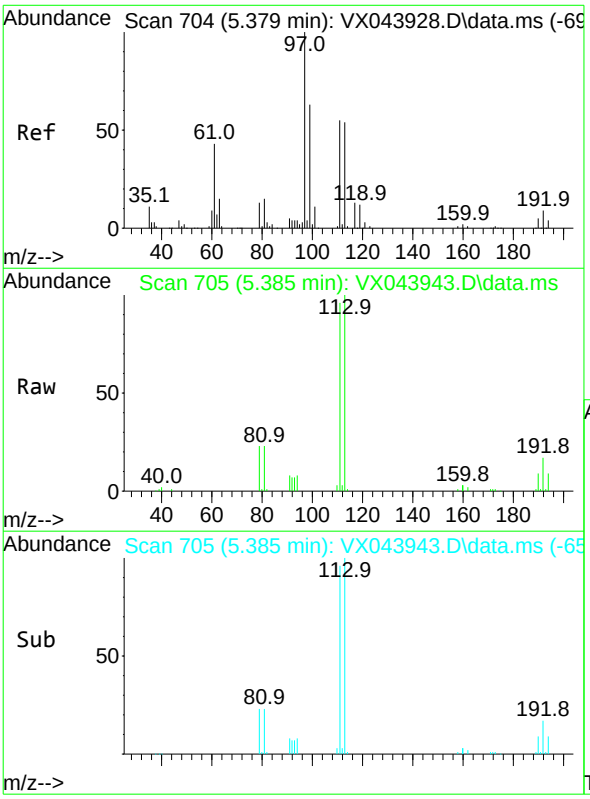

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Tgt Ion:114 Resp: 206208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 15.6 | 0.0 | 32.4 |

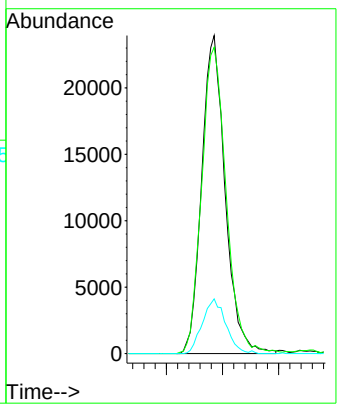


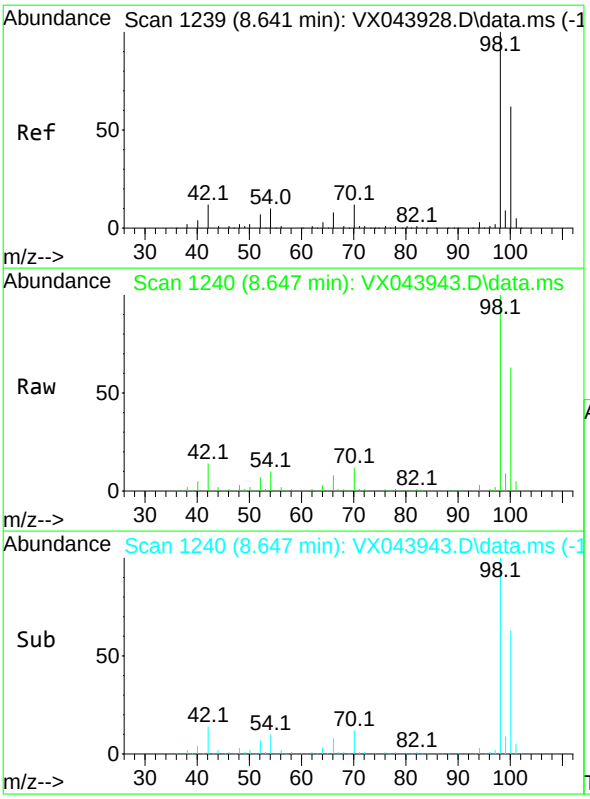




#35
Dibromofluoromethane
Concen: 47.084 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion:113 Resp: 69376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.9 | 81.0 | 121.4 |
| 192 | 17.2 | 13.0 | 19.6 |



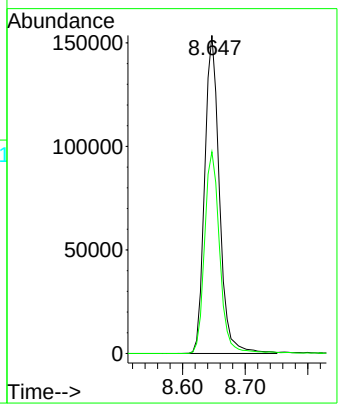


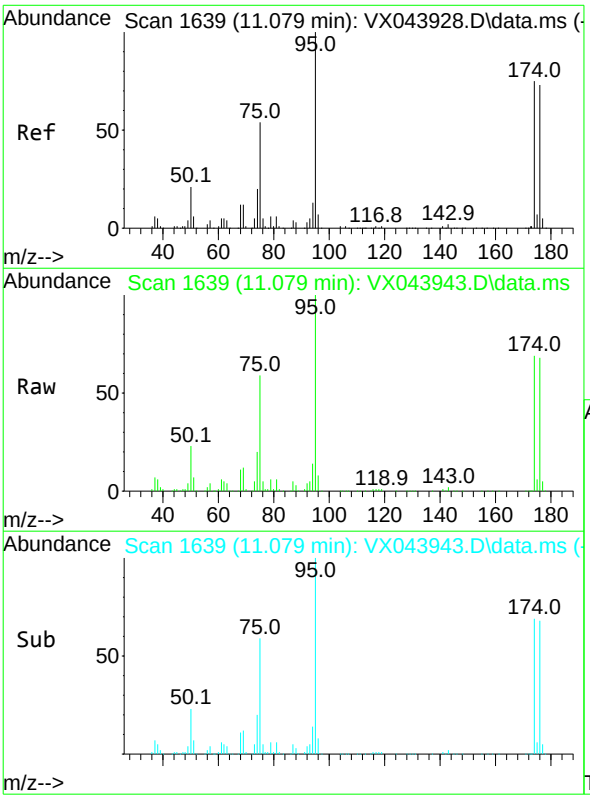

#50
Toluene-d8
Concen: 49.469 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Tgt Ion: 98 Resp: 251263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.6 | 79.0 |

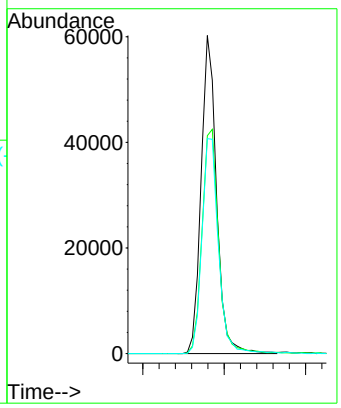


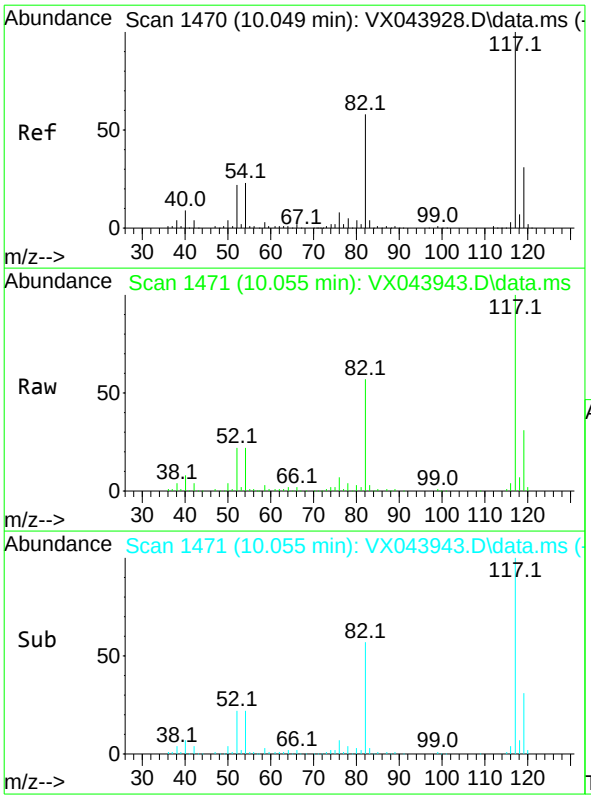




#62
4-Bromofluorobenzene
Concen: 45.871 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion: 95 Resp: 79292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 72.2 | 0.0 | 146.0 |



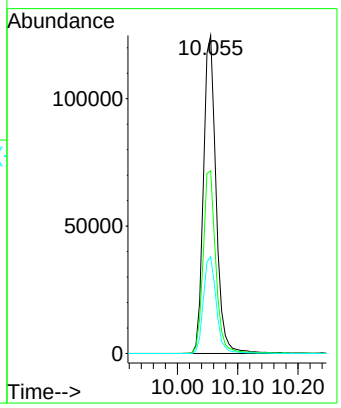


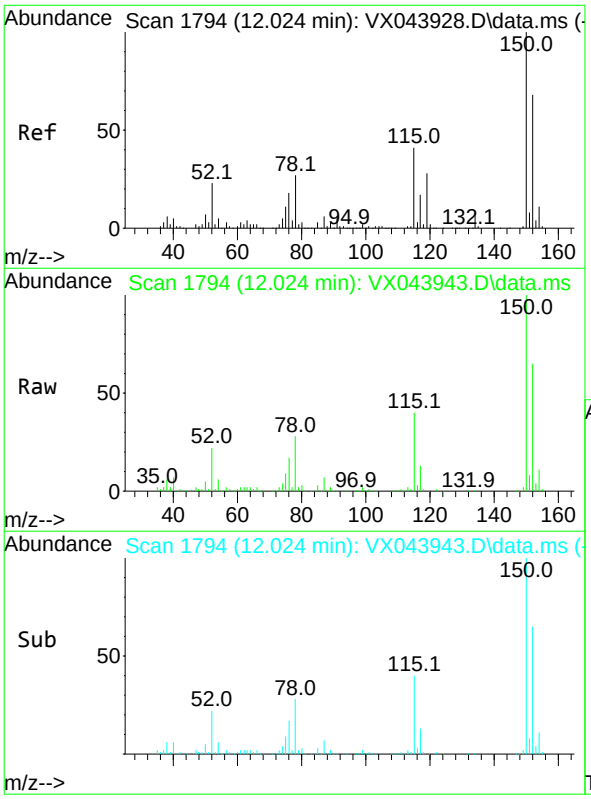

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Tgt Ion:117 Resp: 181398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.4 | 46.4 | 69.6 |
| 119 | 30.5 | 24.6 | 37.0 |

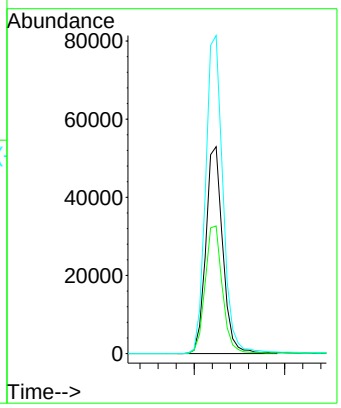



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043943.D
Acq: 21 Nov 2024 18:23

Tgt Ion:152 Resp: 69030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.9 | 45.4 | 136.2 |
| 150 | 157.9 | 0.0 | 353.0 |



Sample Results: **VX043943.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043943.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 22 | 25 | 32 | rVB2 | 6407 | 9478 | 1.37% | 0.268% |
| 2 | 1.563 | 66 | 78 | 79 | rBV2 | 10920 | 25058 | 3.63% | 0.709% |
| 3 | 5.385 | 695 | 705 | 719 | rBV | 79085 | 234884 | 34.05% | 6.643% |
| 4 | 5.550 | 721 | 732 | 748 | rVV | 120285 | 357169 | 51.78% | 10.102% |
| 5 | 5.952 | 788 | 798 | 810 | rBV | 94783 | 259402 | 37.60% | 7.337% |
| 6 | 6.757 | 920 | 930 | 948 | rBV | 209965 | 509932 | 73.92% | 14.422% |
| 7 | 8.647 | 1233 | 1240 | 1258 | rBV | 415034 | 689829 | 100.00% | 19.511% |
| 8 | 10.055 | 1465 | 1471 | 1487 | rBV | 395492 | 582778 | 84.48% | 16.483% |
| 9 | 11.079 | 1634 | 1639 | 1651 | rBV | 305072 | 409767 | 59.40% | 11.589% |
| 10 | 12.018 | 1788 | 1793 | 1804 | rBV | 342054 | 457380 | 66.30% | 12.936% |

Sum of corrected areas: 3535677

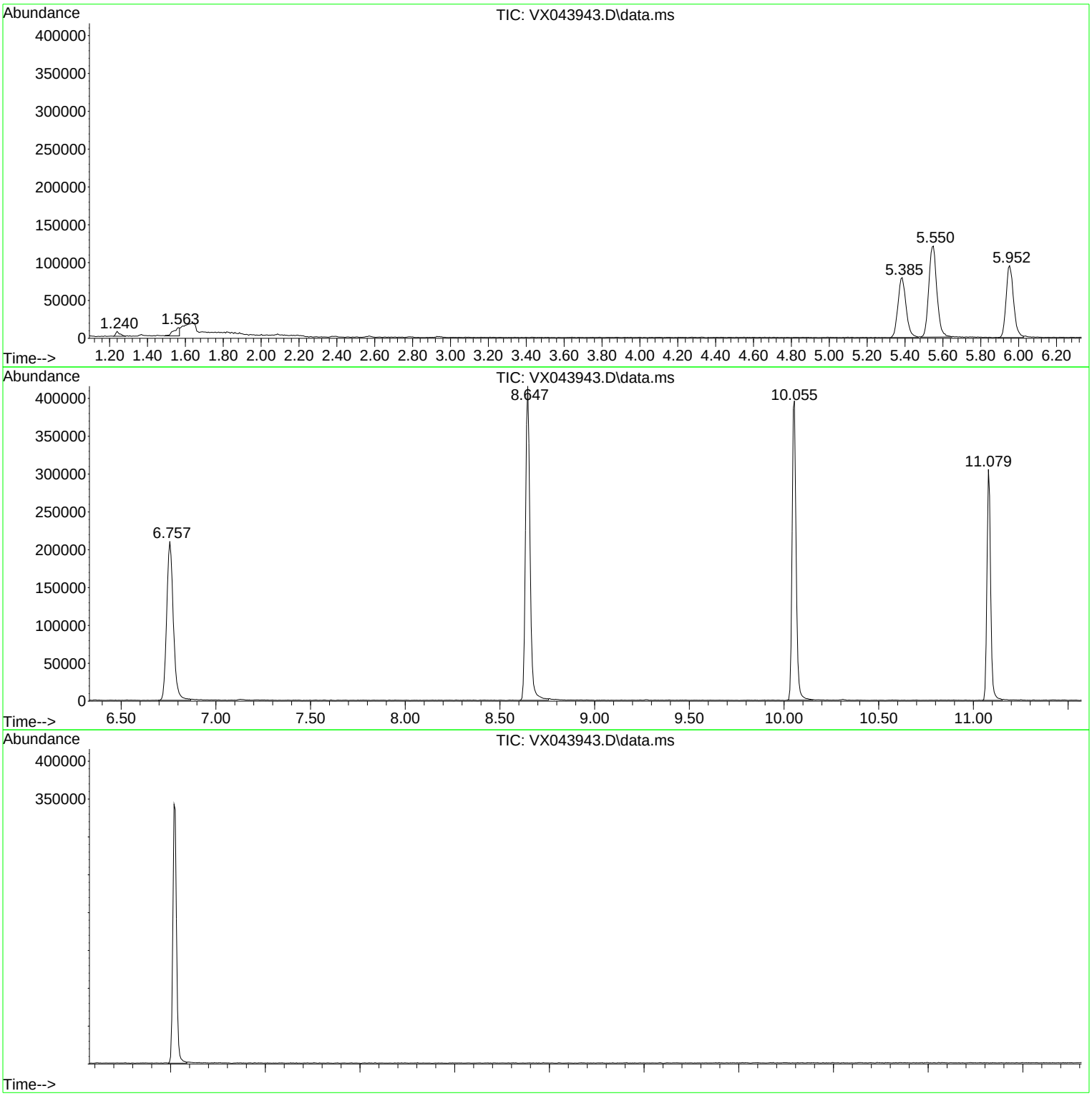
Sample Results: **VX043943.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043943.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043943.D
Acq On : 21 Nov 2024 18:23
Operator : JC/MD
Sample : P4934-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-9-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | FB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043939.D | 1 | | 11/21/24 16:50 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 2.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043939.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | FB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043939.D | 1 | | 11/21/24 16:50 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.4 | | 81 - 118 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.1 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.1 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.5 | | 85 - 114 | | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 112000 | 5.543 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 209000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 184000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 73300 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043939.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | FB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-09 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043939.D | 1 | | 11/21/24 16:50 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Quant Time: Nov 22 04:01:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 112214 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 209177 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 184189 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 73264 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 94994 | 49.356 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.720% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 68871 | 46.078 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.160% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257979 | 50.071 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.140% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83319 | 47.517 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.300 | 50 | 381 | 0.255 | ug/l # | 74 |
| 16) Acetone | 2.379 | 43 | 2060 | 2.330 | ug/l | 93 |

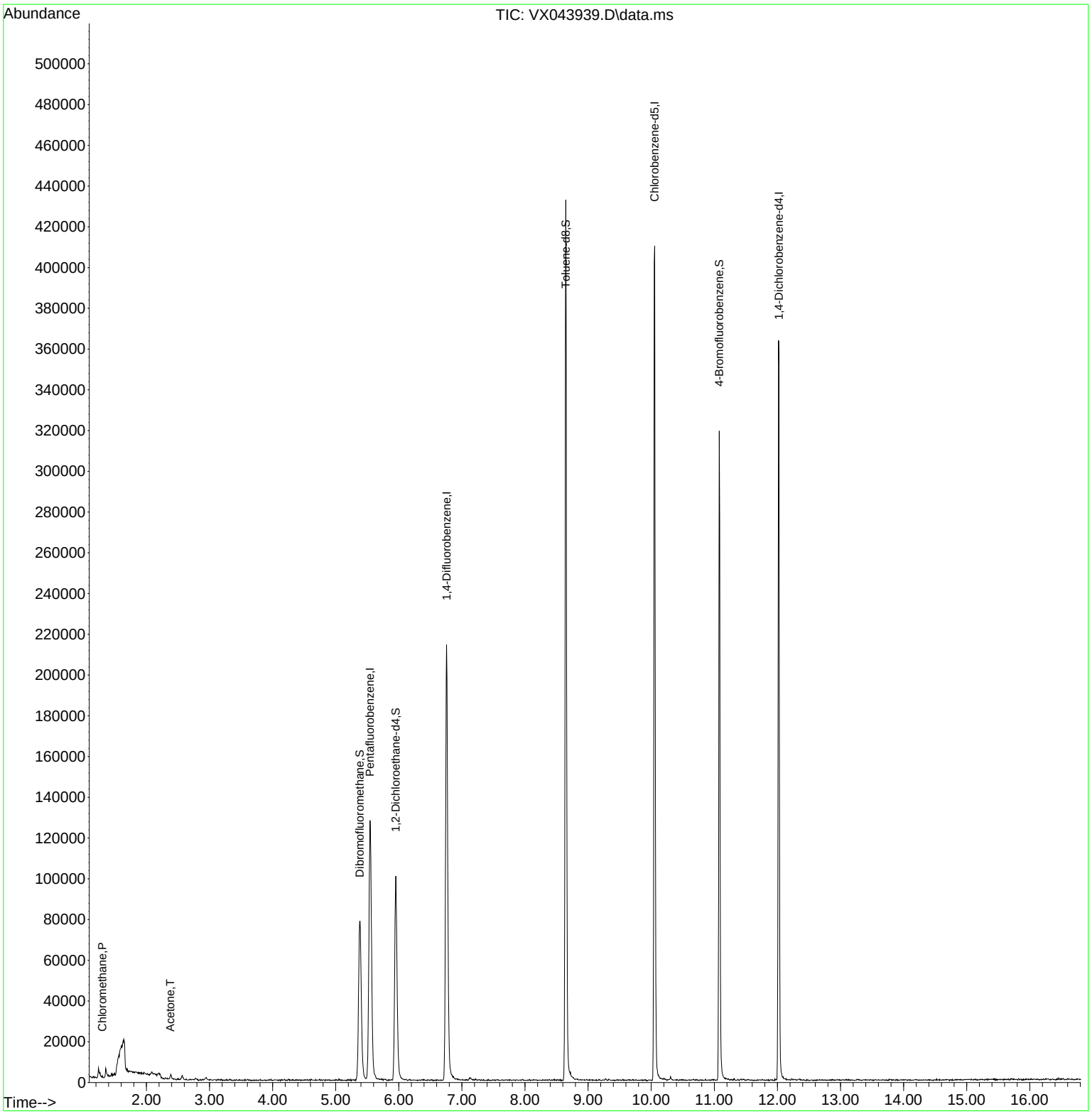
(#) = qualifier out of range (m) = manual integration (+) = signals summed

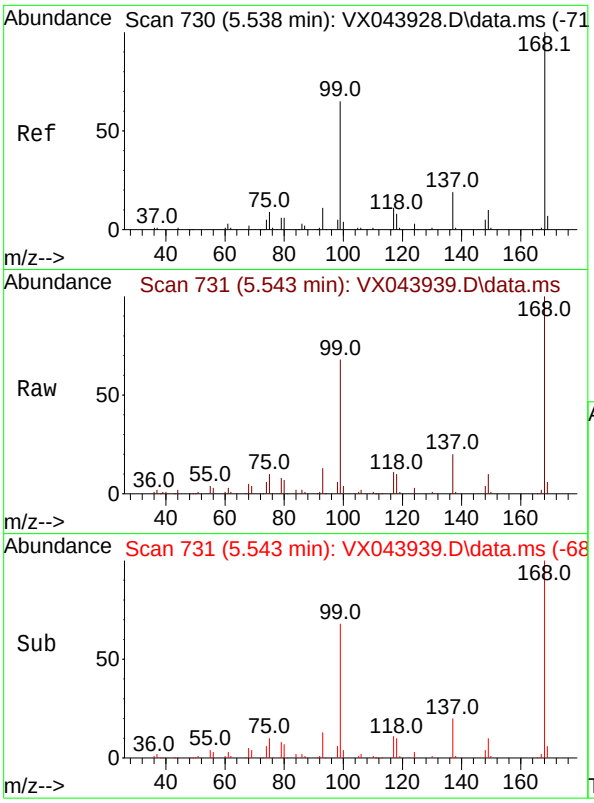
Sample Results: **VX043939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Quant Time: Nov 22 04:01:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



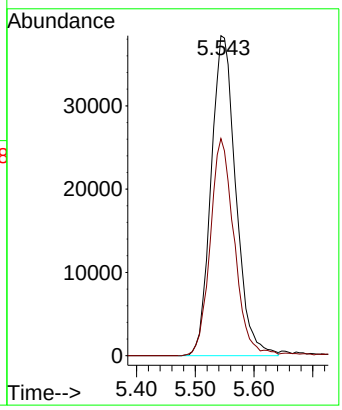


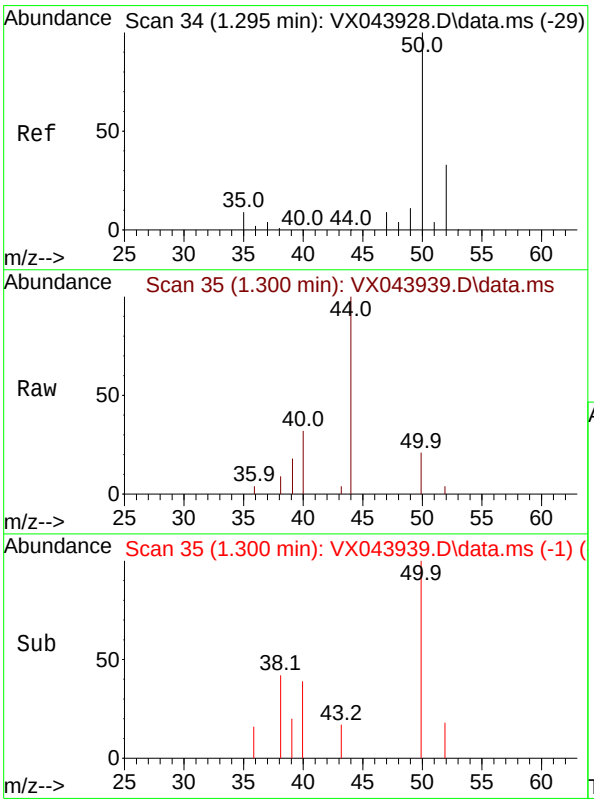

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Tgt Ion:168 Resp: 112214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.9 | 51.8 | 77.8 |

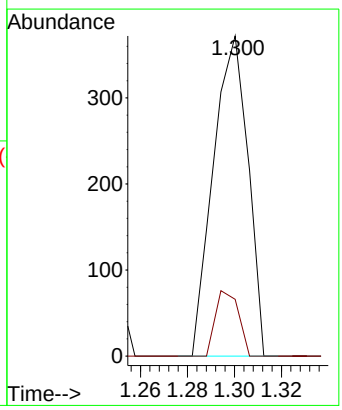


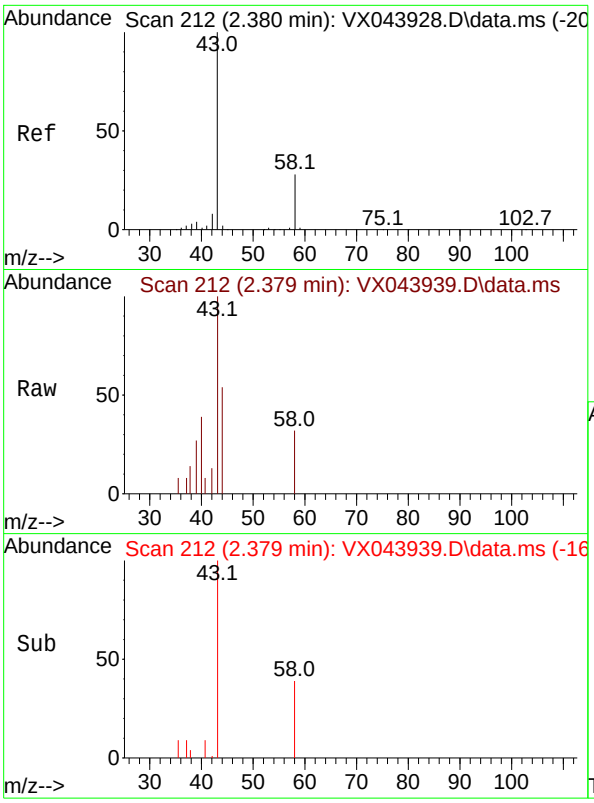




#3
Chloromethane
Concen: 0.255 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

Tgt Ion: 50 Resp: 381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 17.7 | 26.1 | 39.1# |



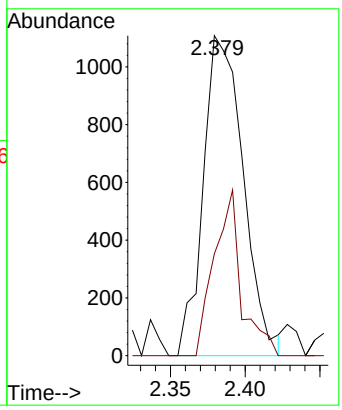


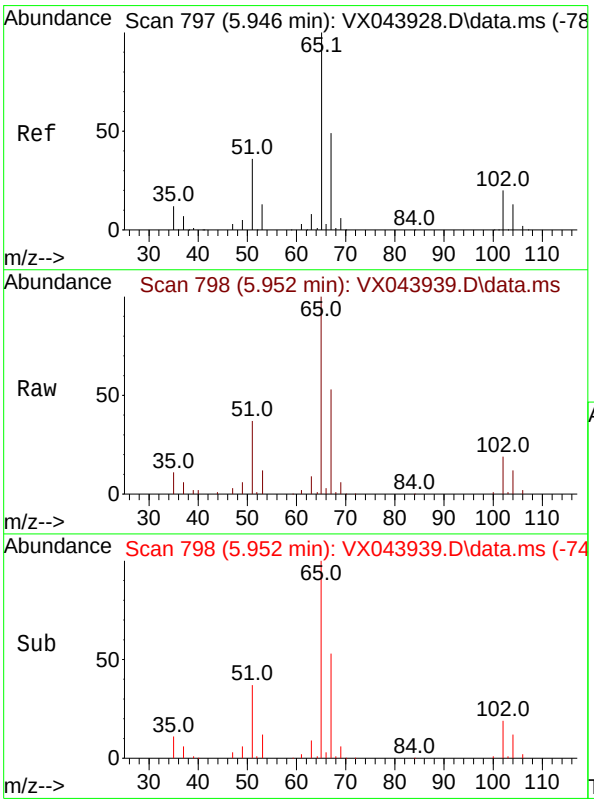

#16
Acetone
Concen: 2.330 ug/l
RT: 2.379 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Tgt Ion: 43 Resp: 2060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.9 | 22.7 | 34.1 |

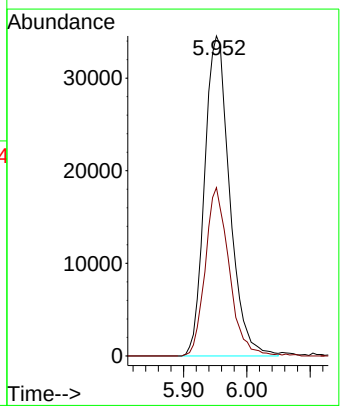


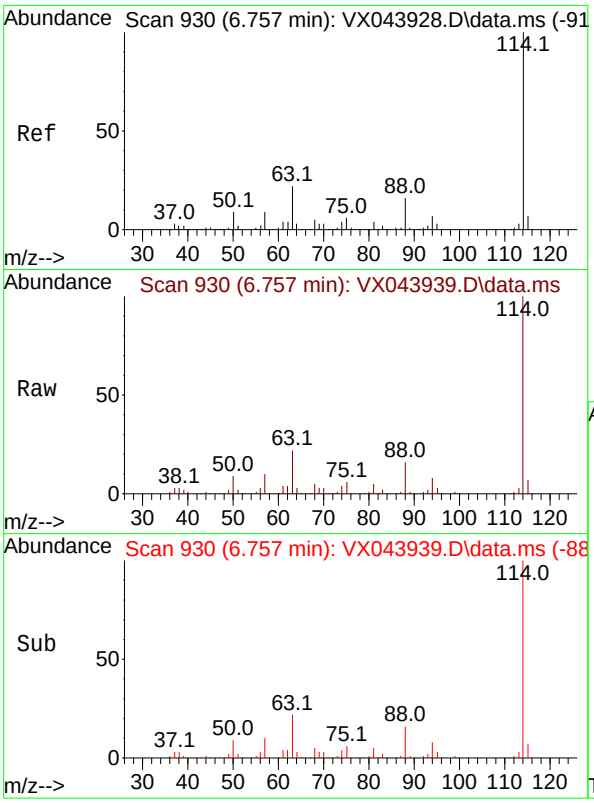




#33
1,2-Dichloroethane-d4
Concen: 49.356 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

Tgt Ion: 65 Resp: 94994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.5 | 0.0 | 100.8 |



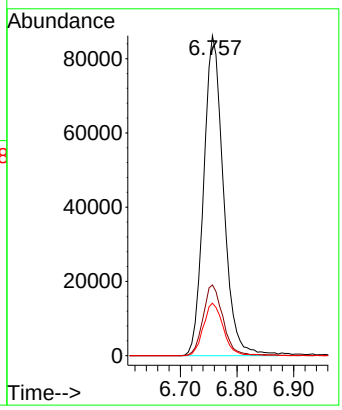


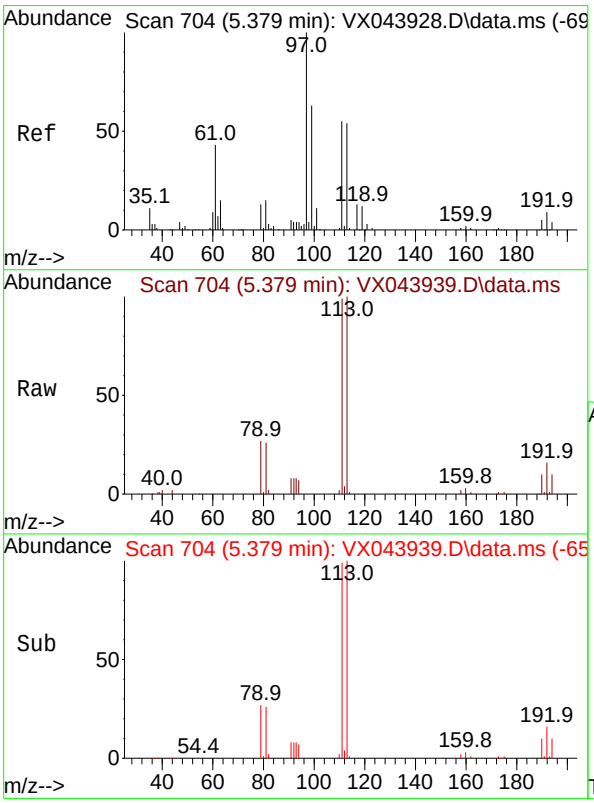

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Tgt Ion:114 Resp: 209177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 32.4 |

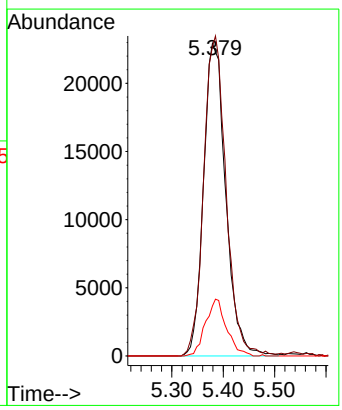


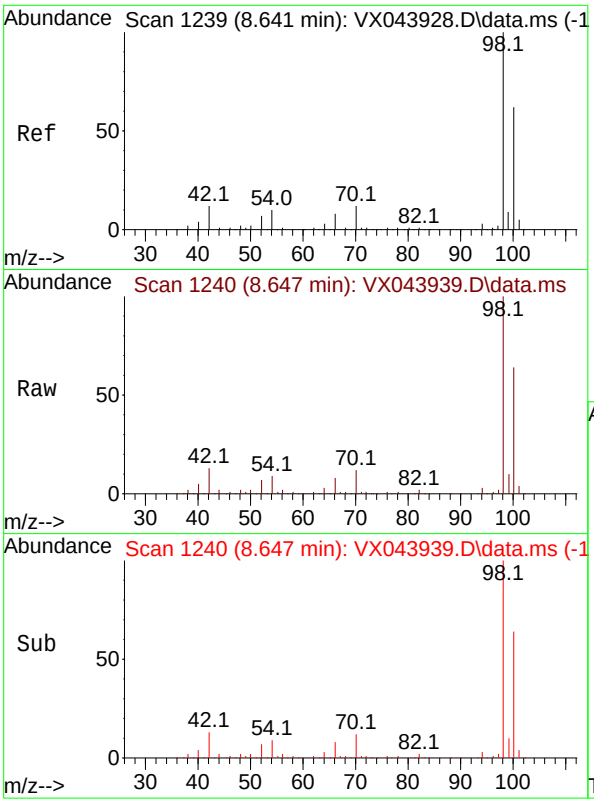




#35
Dibromofluoromethane
Concen: 46.078 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

Tgt Ion:113 Resp: 68871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 81.0 | 121.4 |
| 192 | 17.2 | 13.0 | 19.6 |



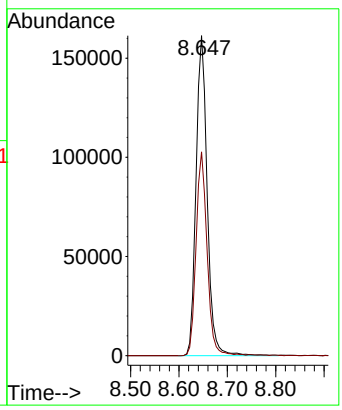


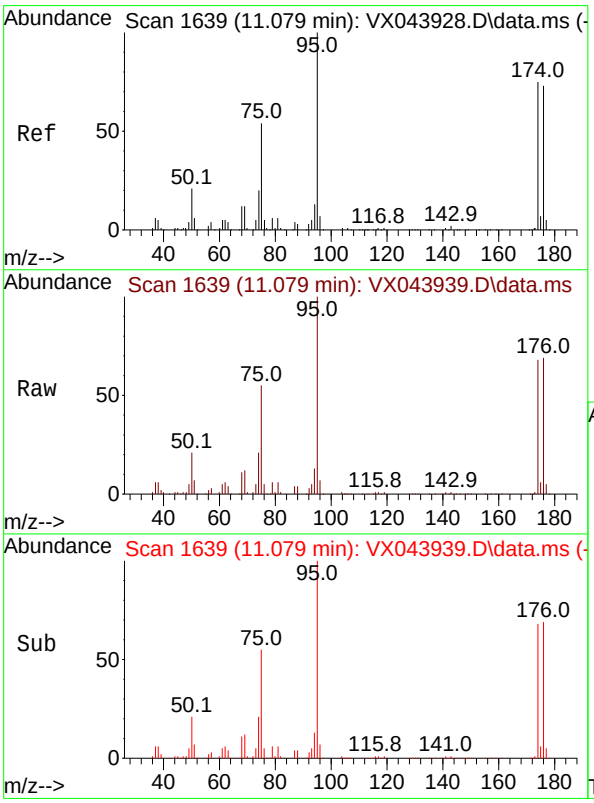

#50
Toluene-d8
Concen: 50.071 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Tgt Ion: 98 Resp: 257979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.8 | 52.6 | 79.0 |

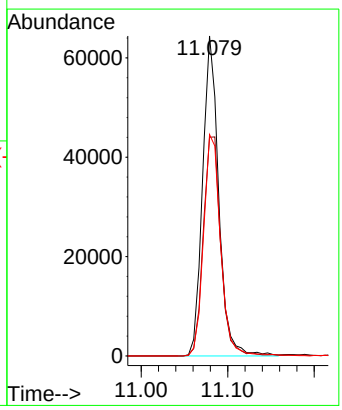


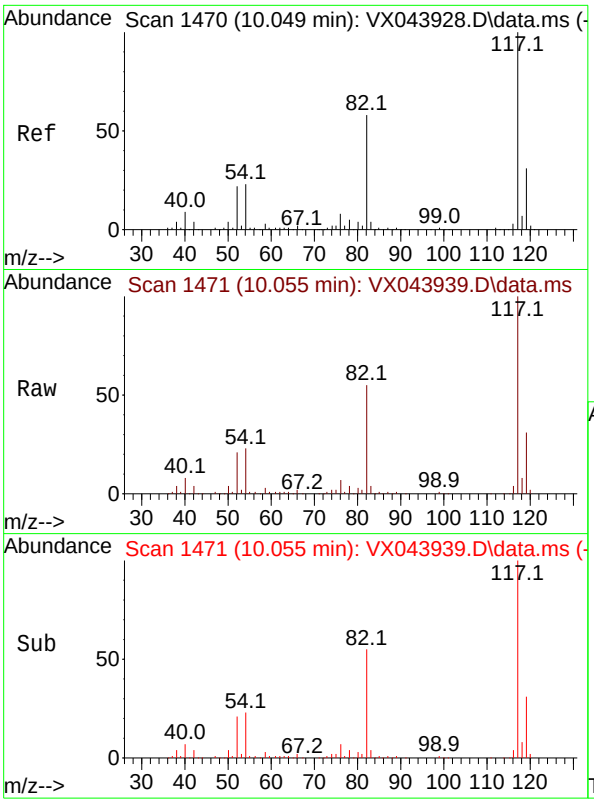




#62
4-Bromofluorobenzene
Concen: 47.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

Tgt Ion: 95 Resp: 83319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.3 | 0.0 | 150.4 |
| 176 | 73.3 | 0.0 | 146.0 |



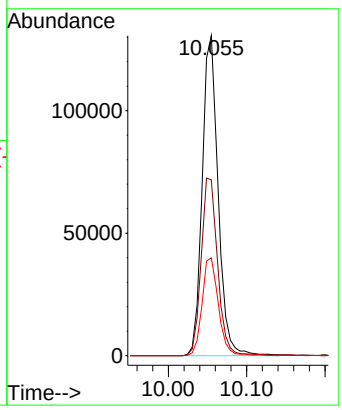


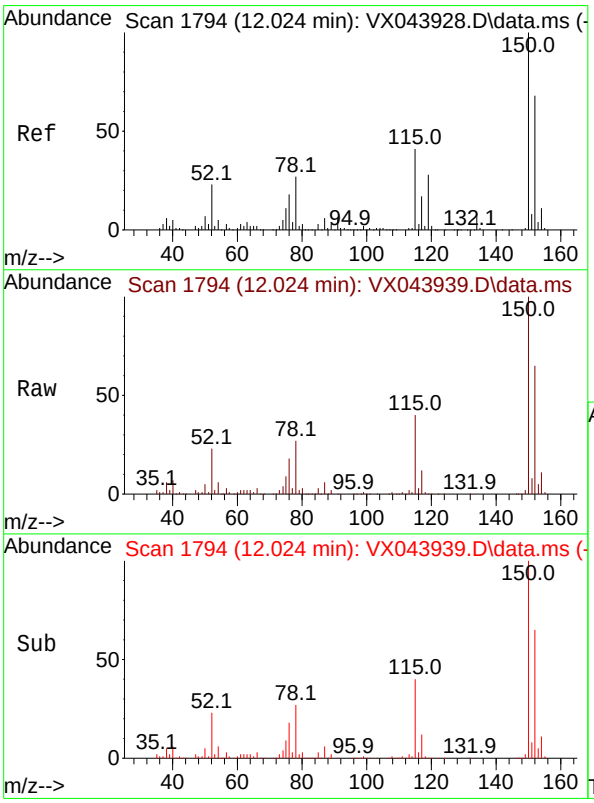

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Tgt Ion:117 Resp: 184189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.0 | 46.4 | 69.6 |
| 119 | 30.6 | 24.6 | 37.0 |

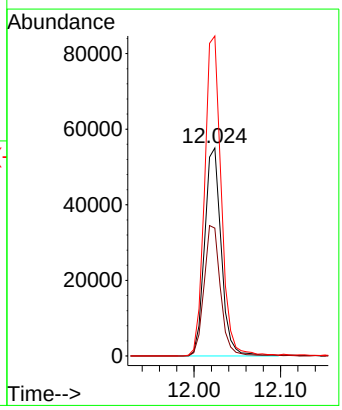



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043939.D
Acq: 21 Nov 2024 16:50

Tgt Ion:152 Resp: 73264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.3 | 45.4 | 136.2 |
| 150 | 154.1 | 0.0 | 353.0 |



Sample Results: **VX043939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043939.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.355 | 39 | 44 | 49 | rBV4 | 4656 | 7044 | 1.00% | 0.194% |
| 2 | 1.562 | 69 | 78 | 79 | rBV5 | 9963 | 22672 | 3.22% | 0.624% |
| 3 | 1.605 | 79 | 85 | 86 | rVV5 | 5568 | 11680 | 1.66% | 0.321% |
| 4 | 5.385 | 694 | 705 | 720 | rBV2 | 78204 | 238510 | 33.91% | 6.564% |
| 5 | 5.543 | 721 | 731 | 747 | rVV | 126836 | 362084 | 51.48% | 9.965% |
| 6 | 5.952 | 789 | 798 | 811 | rBV | 100204 | 260655 | 37.06% | 7.174% |
| 7 | 6.757 | 920 | 930 | 954 | rBV | 213733 | 517530 | 73.58% | 14.244% |
| 8 | 8.647 | 1233 | 1240 | 1264 | rBV | 432231 | 703379 | 100.00% | 19.359% |
| 9 | 10.055 | 1464 | 1471 | 1486 | rBV | 409775 | 601071 | 85.45% | 16.543% |
| 10 | 11.079 | 1634 | 1639 | 1653 | rBV | 318615 | 426182 | 60.59% | 11.729% |
| 11 | 12.018 | 1788 | 1793 | 1804 | rBV | 362930 | 482630 | 68.62% | 13.283% |

Sum of corrected areas: 3633437

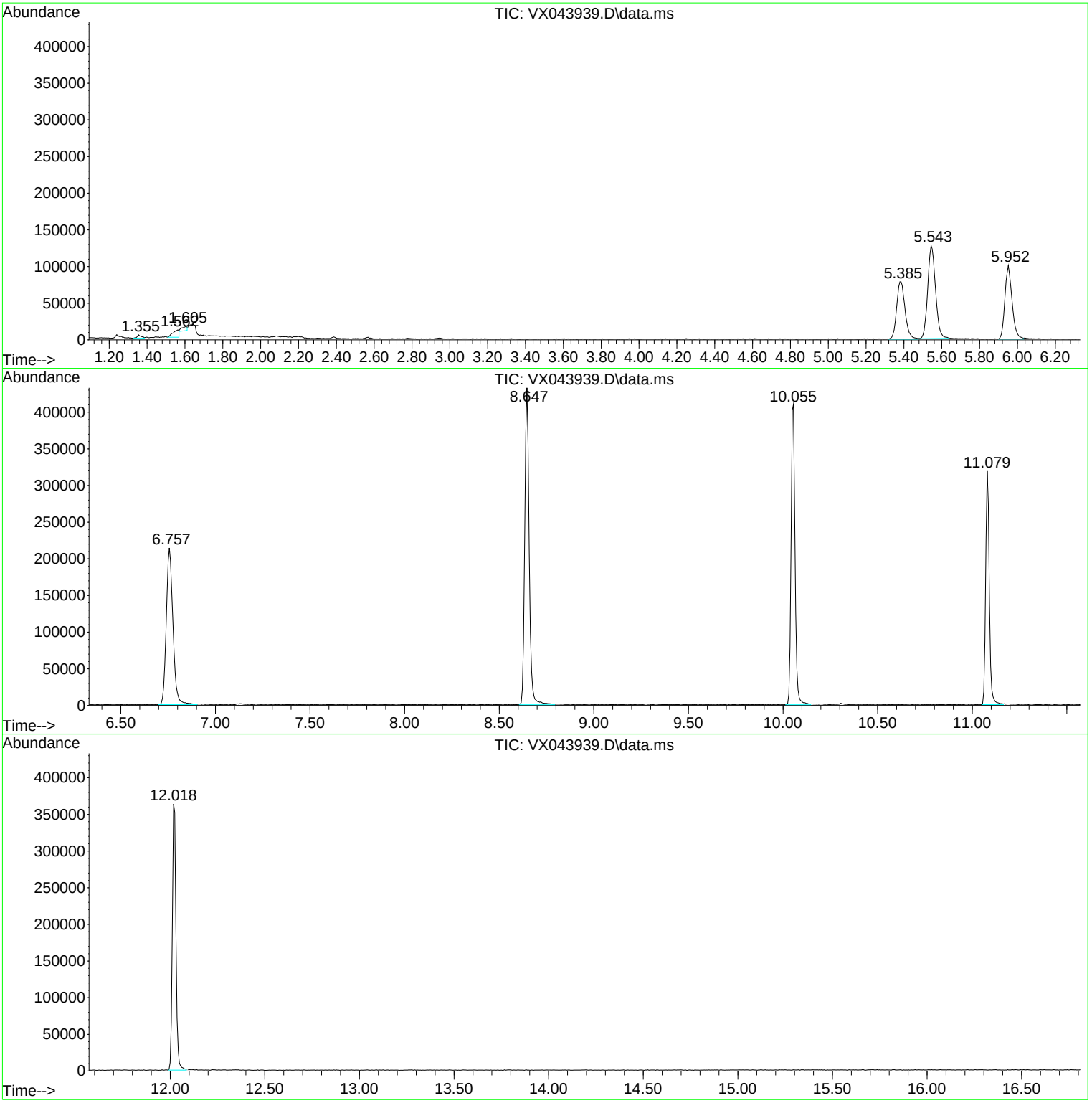
Sample Results: **VX043939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043939.D
Acq On : 21 Nov 2024 16:50
Operator : JC/MD
Sample : P4934-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
FB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043944.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-8-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043944.D | 1 | | 11/21/24 18:46 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.45 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.80 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043944.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-8-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043944.D | 1 | | 11/21/24 18:46 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.0 | | 81 - 118 | | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.1 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.6 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.1 | | 85 - 114 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 120000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 227000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 198000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 79800 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043944.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-8-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-10 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043944.D | 1 | | 11/21/24 18:46 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX043944.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Quant Time: Nov 22 04:03:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

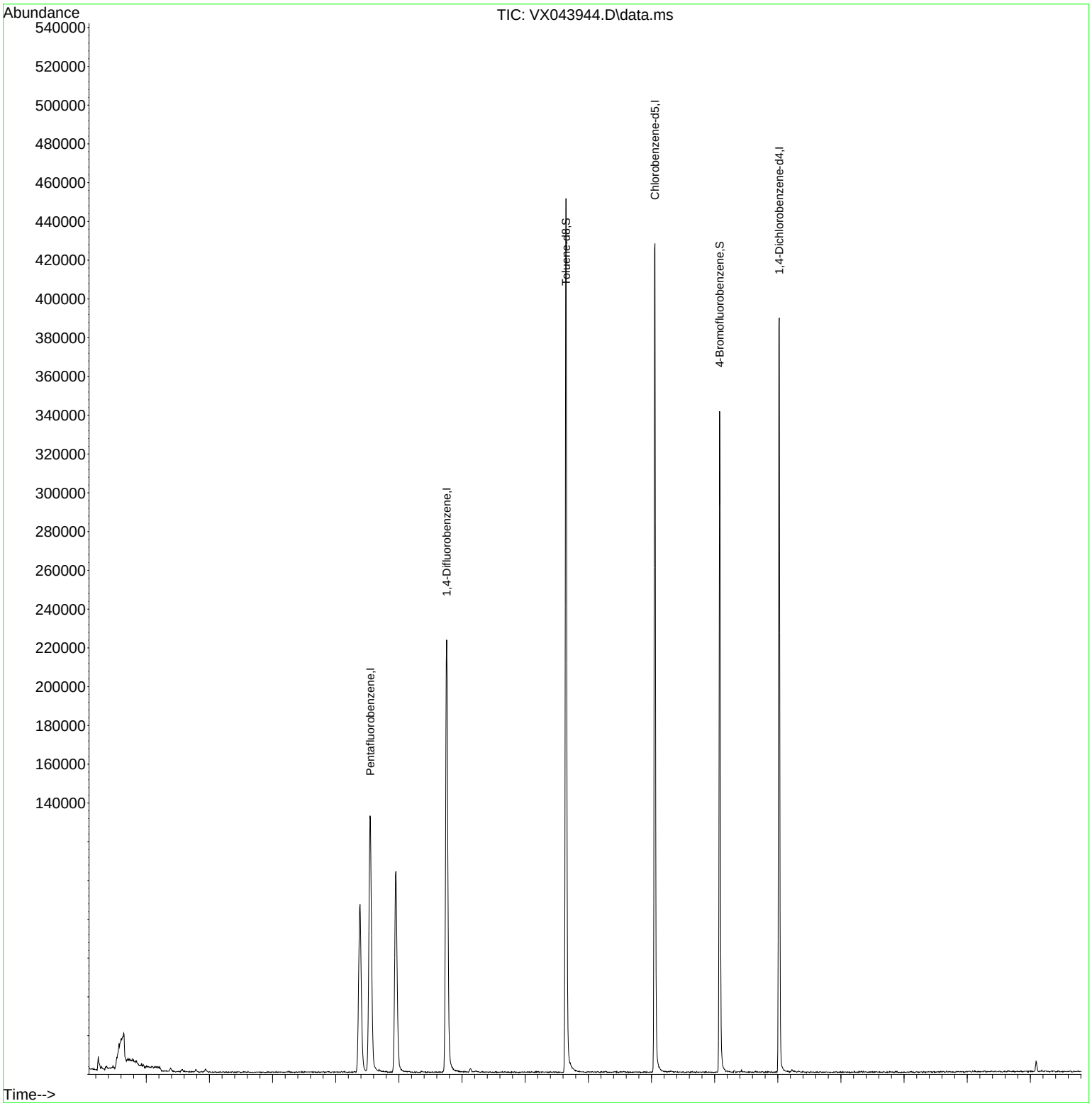
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 120427 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226777 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 198351 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 79775 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 101235 | 49.012 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 98.020% | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 74626 | 46.053 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 92.100% | | |
| 50) Toluene-d8 | 8.647 | 98 | 271193 | 48.550 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 97.100% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 89507 | 47.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 94.160% | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.300 | 50 | 721 | 0.449 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 1736 | 1.830 | ug/l | 93 |

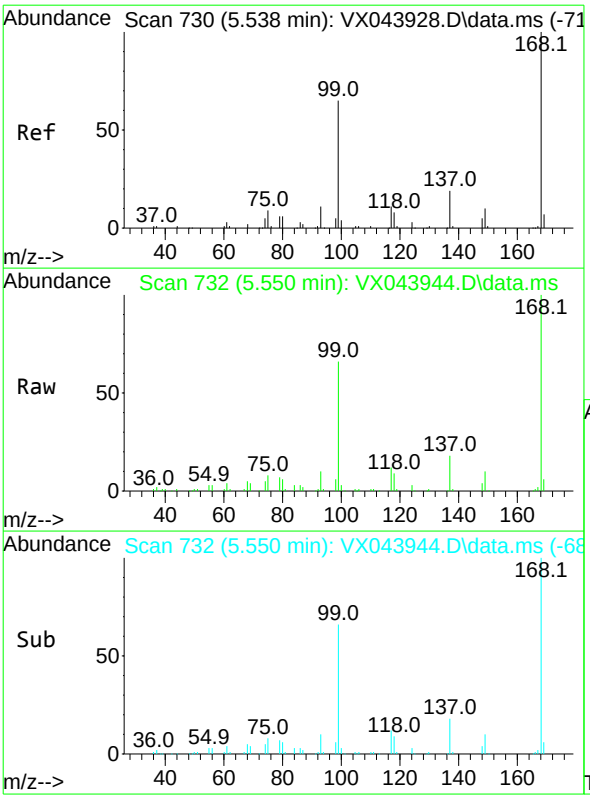
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Quant Time: Nov 22 04:03:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



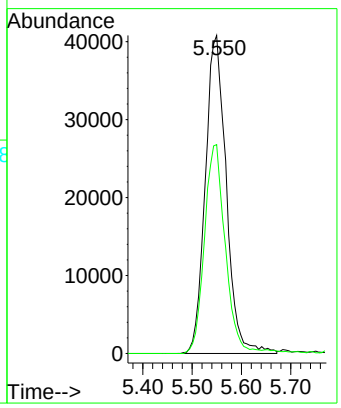


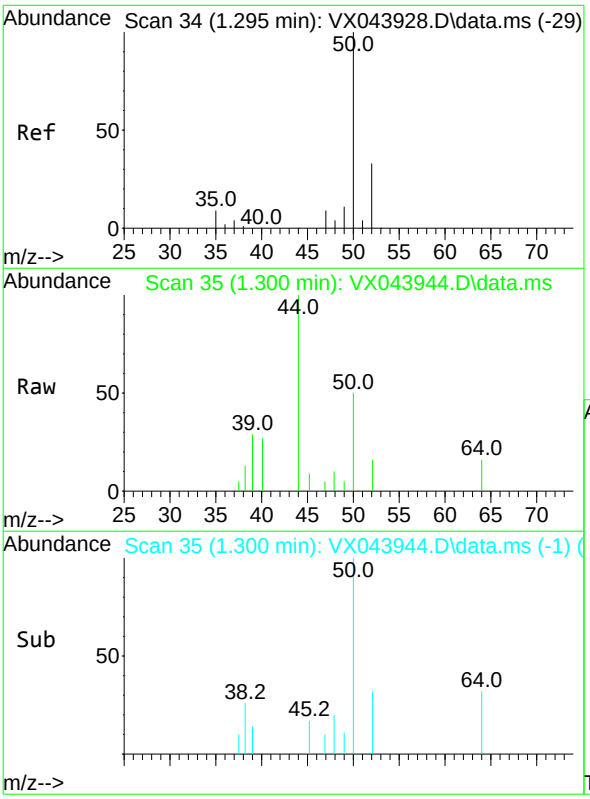

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Tgt Ion:168 Resp: 120427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.7 | 51.8 | 77.8 |

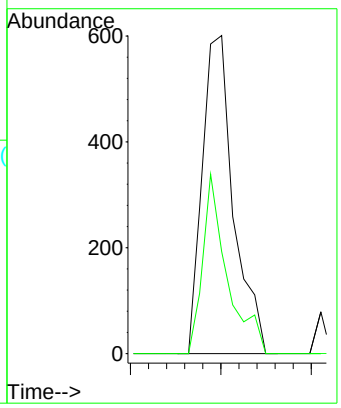


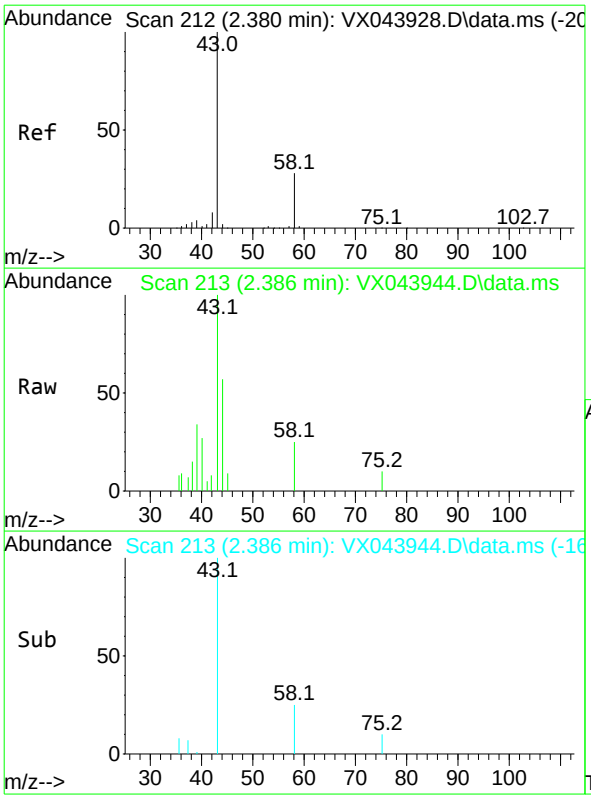




#3
Chloromethane
Concen: 0.449 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

Tgt Ion: 50 Resp: 721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.1 | 26.1 | 39.1 |



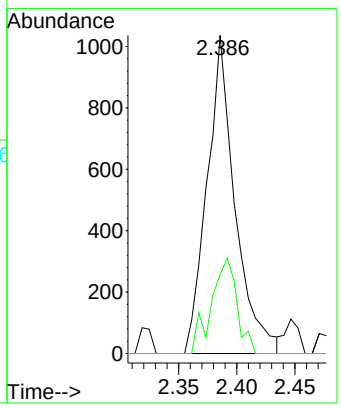


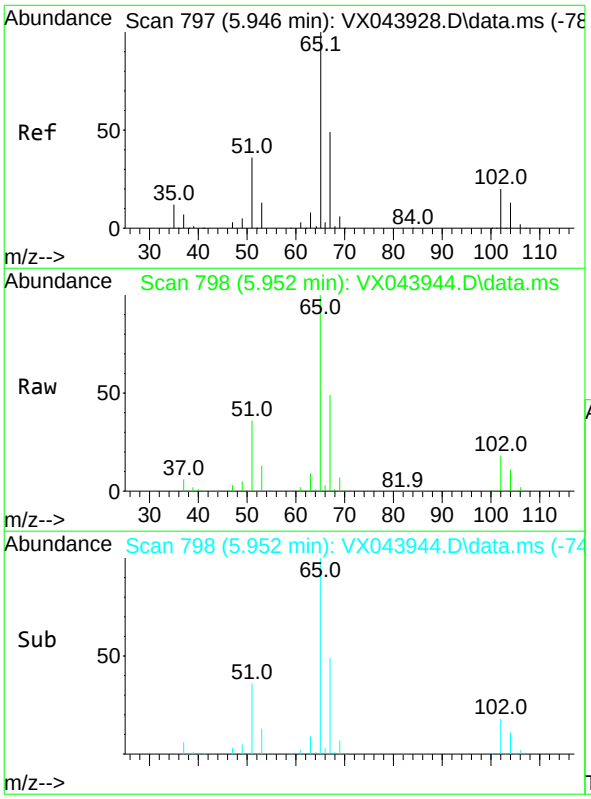

#16
Acetone
Concen: 1.830 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Tgt Ion: 43 Resp: 1736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 24.7 | 22.7 | 34.1 |

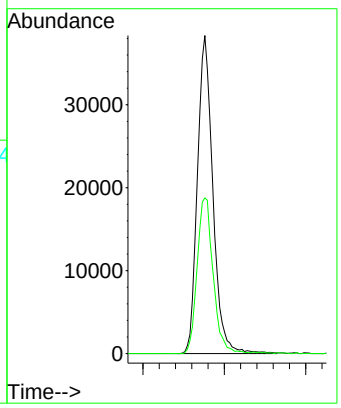


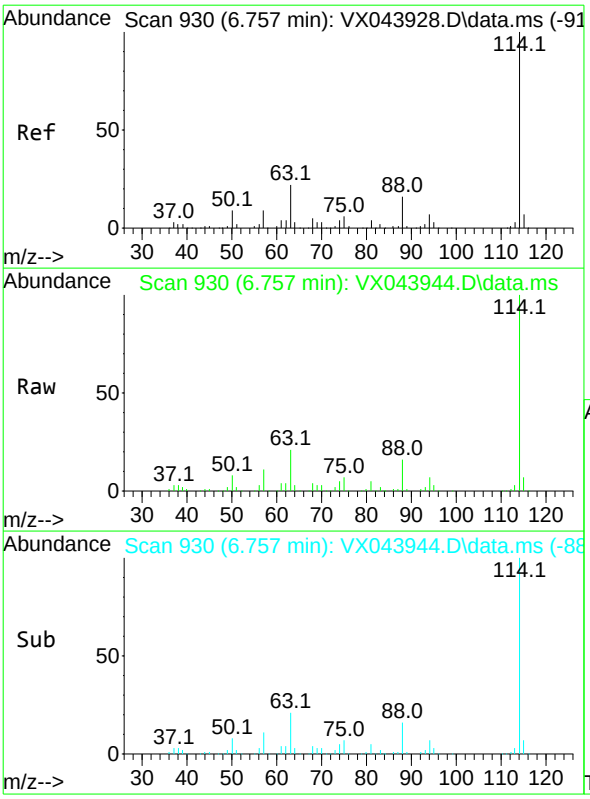




#33
1,2-Dichloroethane-d4
Concen: 49.012 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

Tgt Ion: 65 Resp: 101235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.7 | 0.0 | 100.8 |



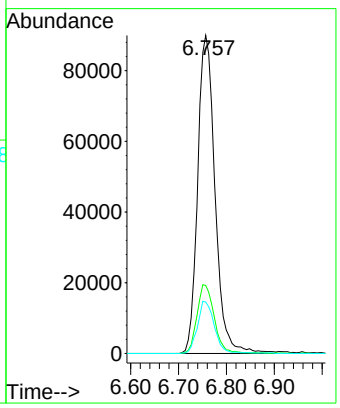


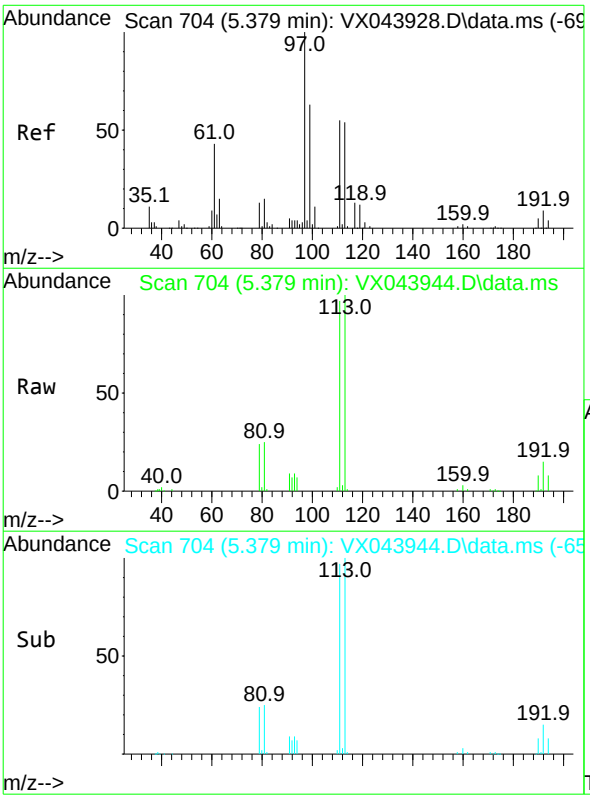

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Tgt Ion:114 Resp: 226777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 16.2 | 0.0 | 32.4 |

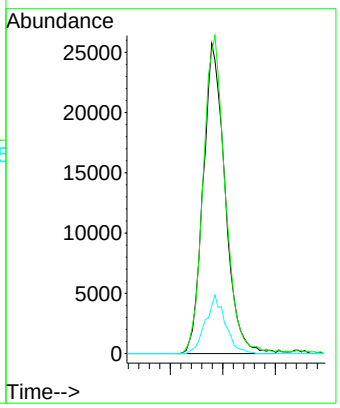


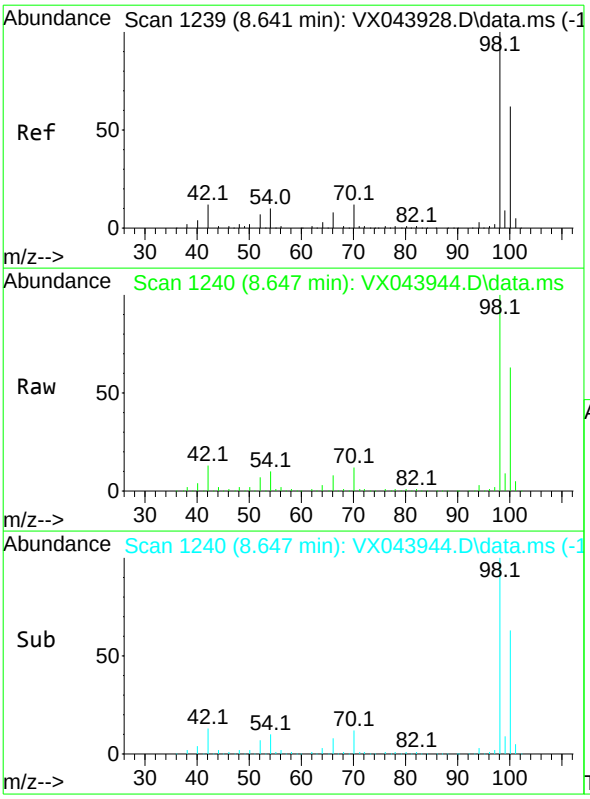




#35
Dibromofluoromethane
Concen: 46.053 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

Tgt Ion:113 Resp: 74626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.1 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |



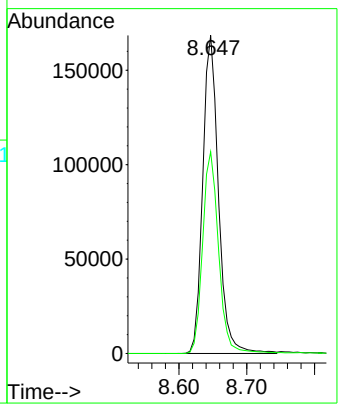


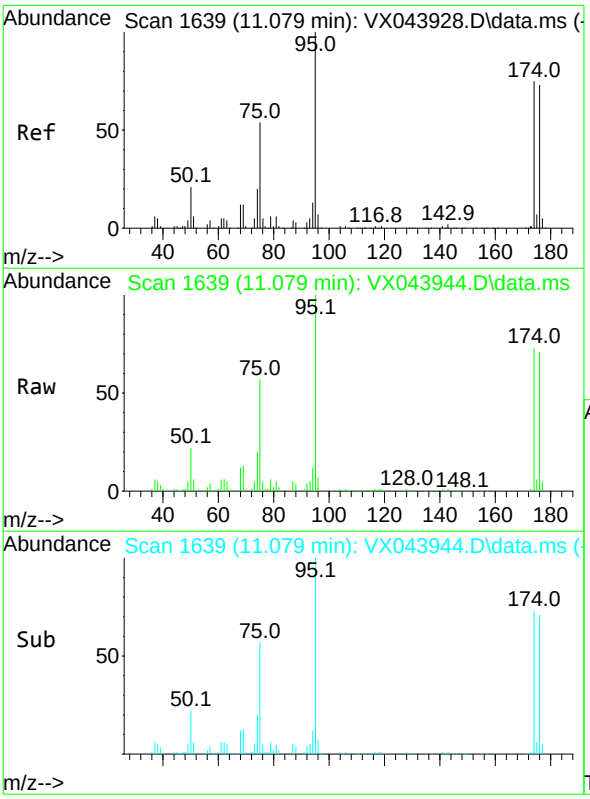

#50
Toluene-d8
Concen: 48.550 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Tgt Ion: 98 Resp: 271193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.5 | 52.6 | 79.0 |

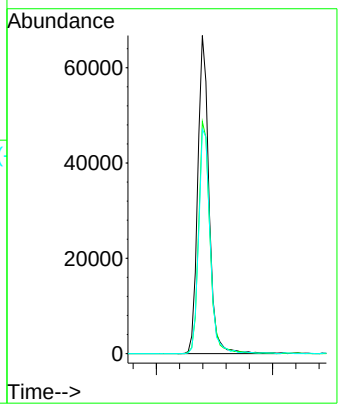


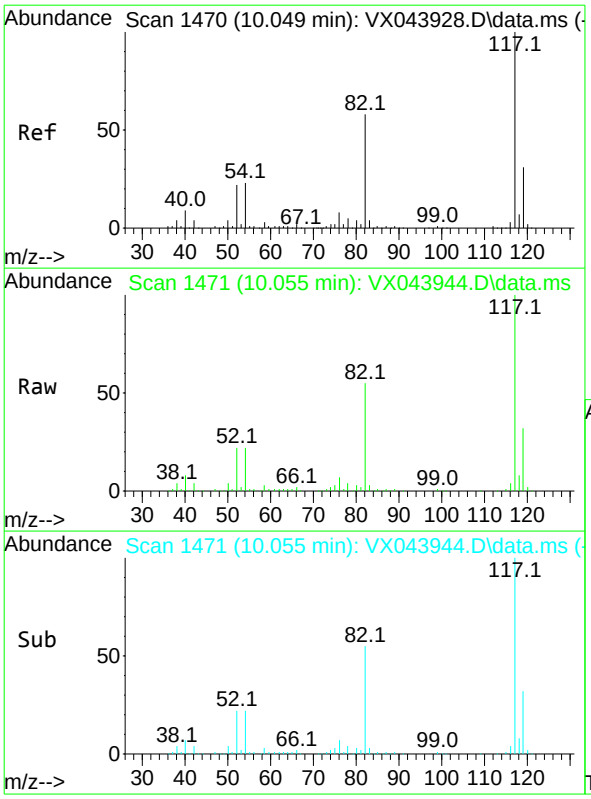




#62
4-Bromofluorobenzene
Concen: 47.084 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

Tgt Ion: 95 Resp: 89507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.3 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 146.0 |



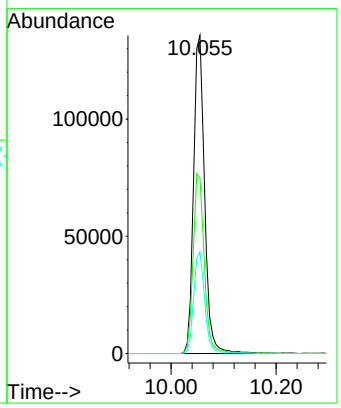


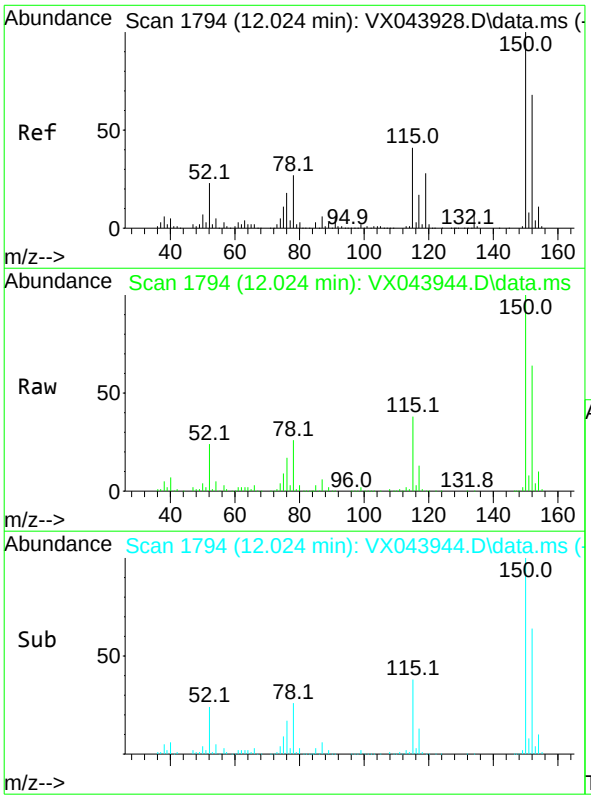

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Tgt Ion:117 Resp: 198351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 46.4 | 69.6 |
| 119 | 32.0 | 24.6 | 37.0 |

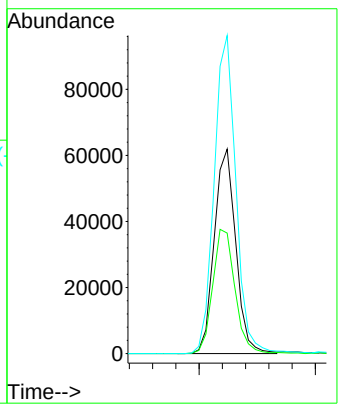



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043944.D
Acq: 21 Nov 2024 18:46

Tgt Ion:152 Resp: 79775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.9 | 45.4 | 136.2 |
| 150 | 157.5 | 0.0 | 353.0 |



Sample Results: **VX043944.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043944.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.239 | 22 | 25 | 31 | rBV2 | 7260 | 11223 | 1.52% | 0.289% |
| 2 | 1.569 | 68 | 79 | 80 | rBV4 | 12666 | 29163 | 3.94% | 0.751% |
| 3 | 5.385 | 695 | 705 | 720 | rBV | 86533 | 255124 | 34.45% | 6.566% |
| 4 | 5.544 | 720 | 731 | 753 | rVB | 131887 | 385438 | 52.05% | 9.920% |
| 5 | 5.952 | 788 | 798 | 812 | rBV | 103719 | 280307 | 37.86% | 7.214% |
| 6 | 6.757 | 921 | 930 | 944 | rBV | 222571 | 545930 | 73.73% | 14.050% |
| 7 | 8.647 | 1233 | 1240 | 1256 | rBV | 450882 | 740469 | 100.00% | 19.057% |
| 8 | 10.055 | 1465 | 1471 | 1487 | rBV | 427350 | 641865 | 86.68% | 16.519% |
| 9 | 11.079 | 1634 | 1639 | 1655 | rBV | 340768 | 456050 | 61.59% | 11.737% |
| 10 | 12.024 | 1788 | 1794 | 1806 | rBV | 389263 | 531721 | 71.81% | 13.685% |
| 11 | 16.090 | 2457 | 2461 | 2467 | rVB3 | 5367 | 8244 | 1.11% | 0.212% |

Sum of corrected areas: 3885534

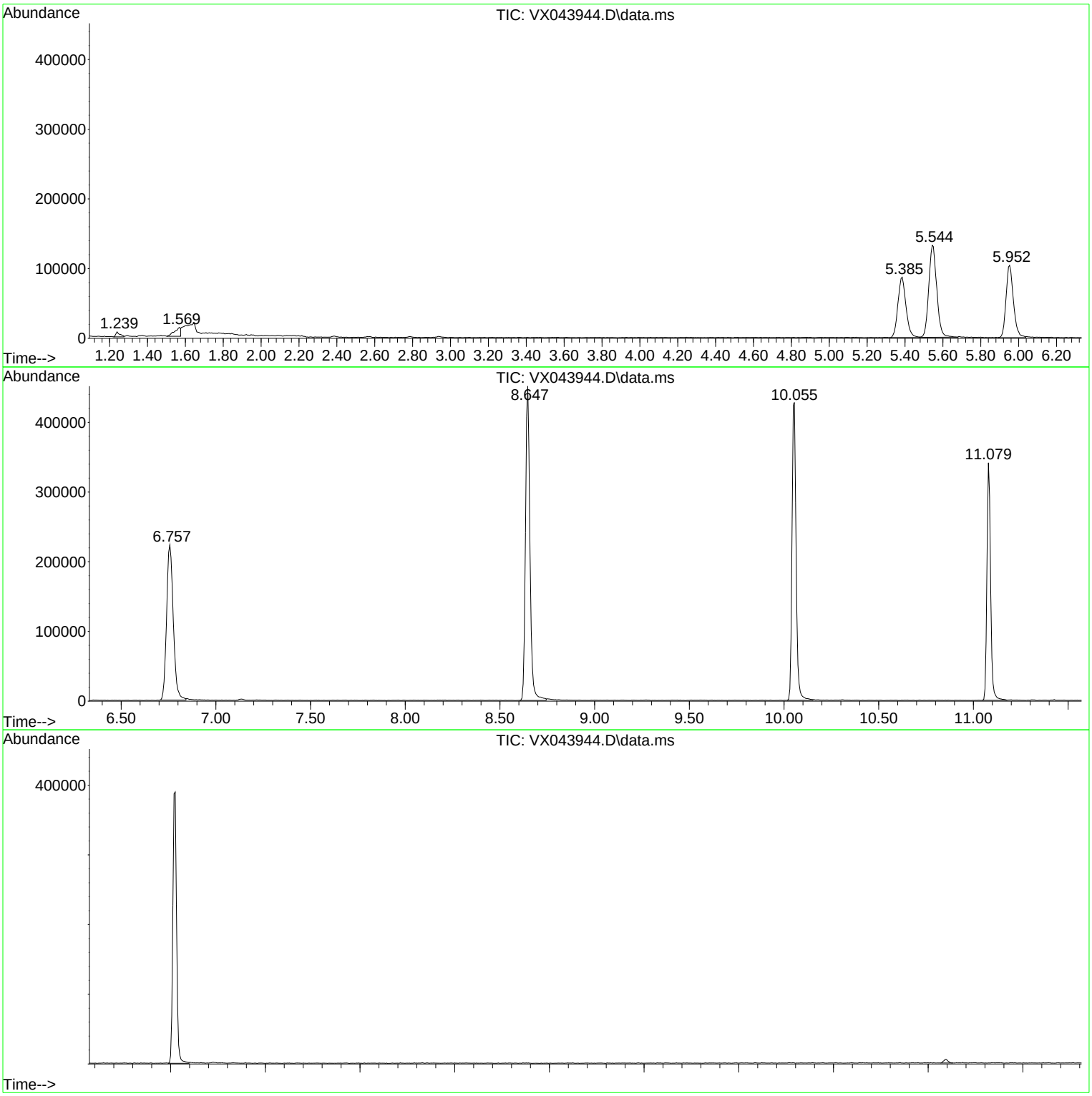
Sample Results: **VX043944.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043944.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043944.D
Acq On : 21 Nov 2024 18:46
Operator : JC/MD
Sample : P4934-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-8-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043940.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | RB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043940.D | 1 | | 11/21/24 17:13 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.37 | J | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.30 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043940.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | RB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043940.D | 1 | | 11/21/24 17:13 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.9 | | 81 - 118 | | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.4 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.0 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.2 | | 85 - 114 | | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 114000 | 5.549 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 214000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 192000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 78900 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043940.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | RB01-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-11 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043940.D | 1 | | 11/21/24 17:13 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Quant Time: Nov 22 04:01:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.549 | 168 | 113782 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 213883 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 191929 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 78947 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 97388 | 49.903 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.800% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 70960 | 46.431 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.860% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 268589 | 50.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.960% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90089 | 50.247 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.500% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.294 | 50 | 565 | 0.372 | ug/l # | 83 |
| 16) Acetone | 2.385 | 43 | 2955 | 3.297 | ug/l | 94 |

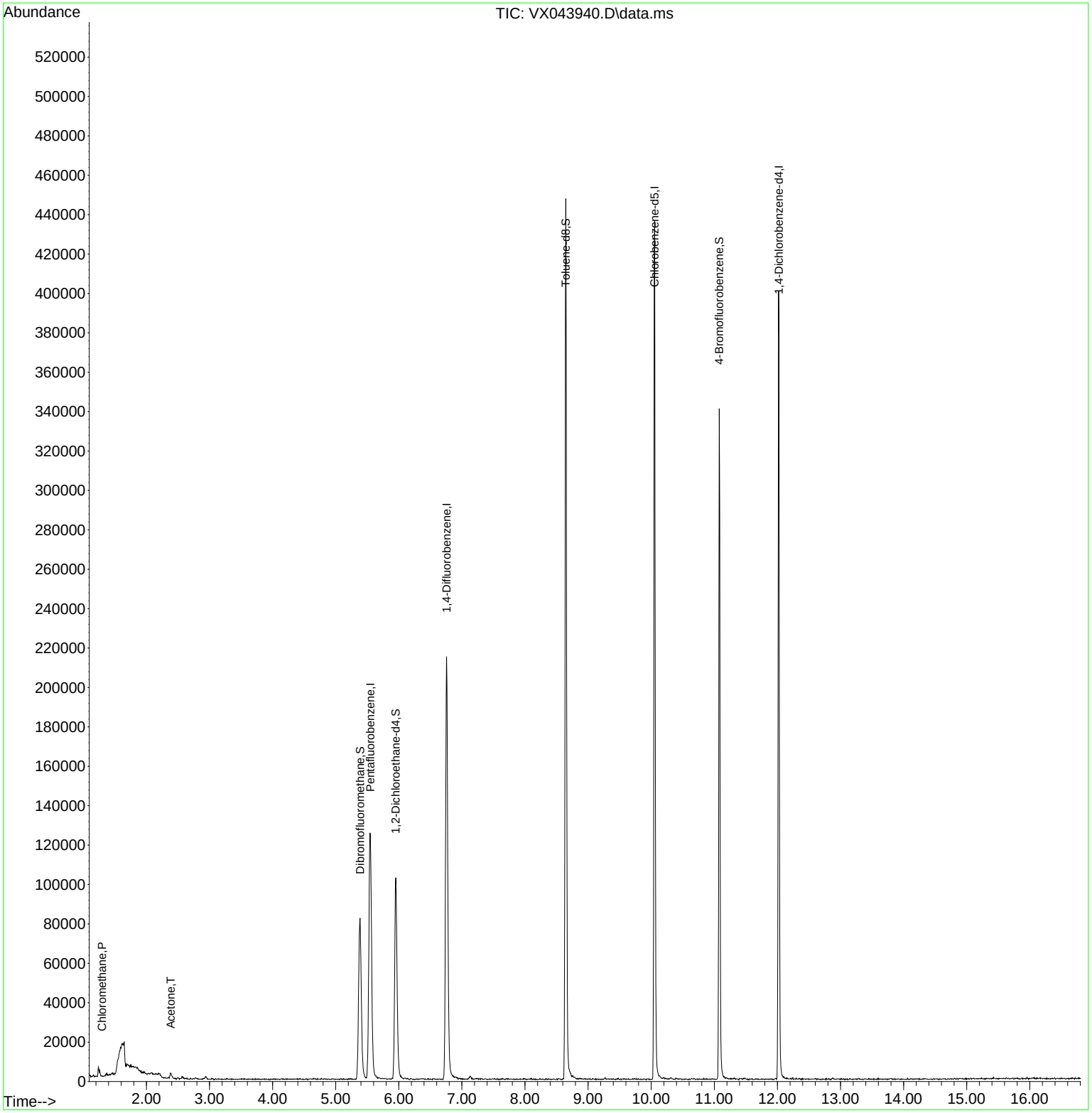
(#) = qualifier out of range (m) = manual integration (+) = signals summed

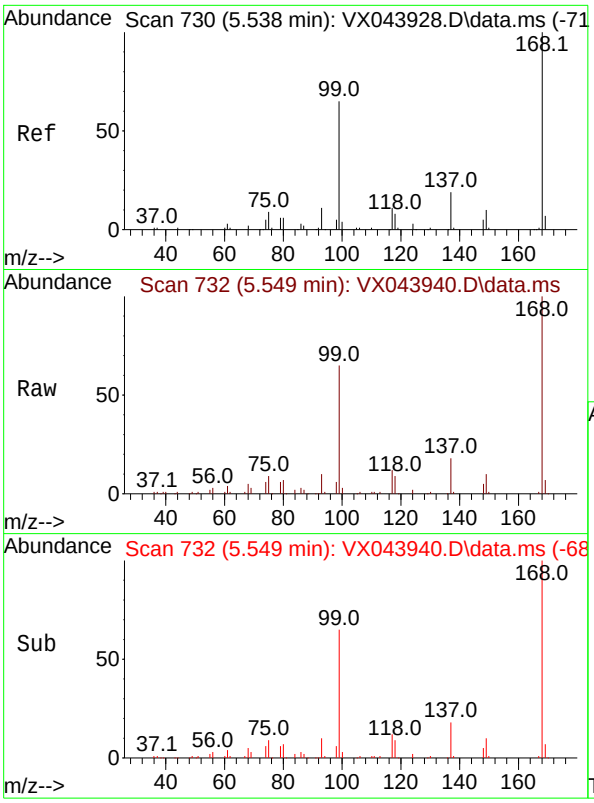
Sample Results: **VX043940.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Quant Time: Nov 22 04:01:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



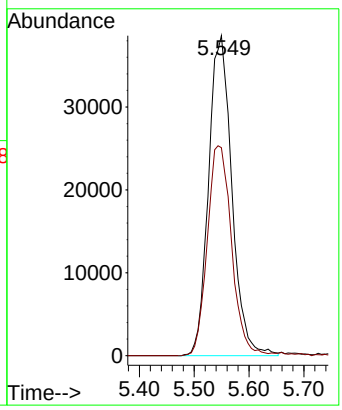


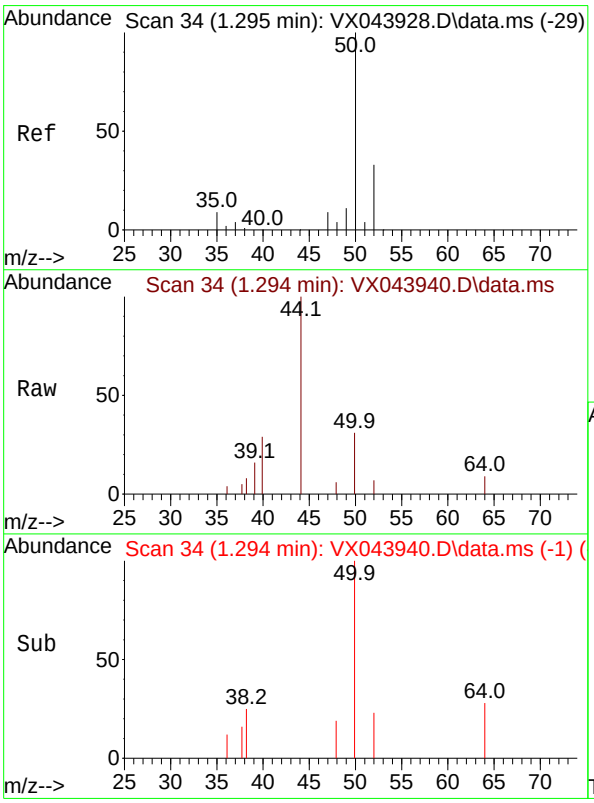

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. 0.011 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Tgt Ion:168 Resp: 113782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.0 | 51.8 | 77.8 |

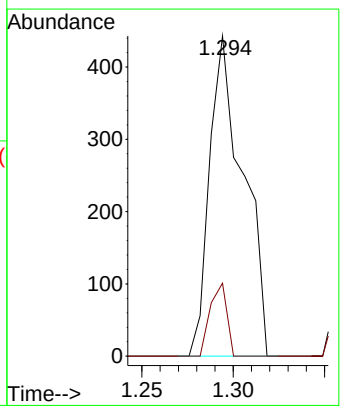


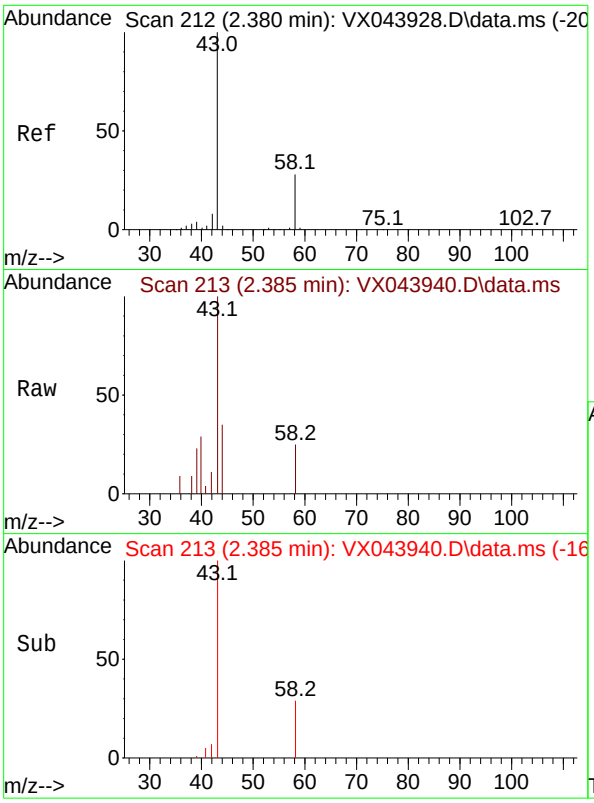




#3
Chloromethane
Concen: 0.372 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

Tgt Ion: 50 Resp: 565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 22.8 | 26.1 | 39.1# |



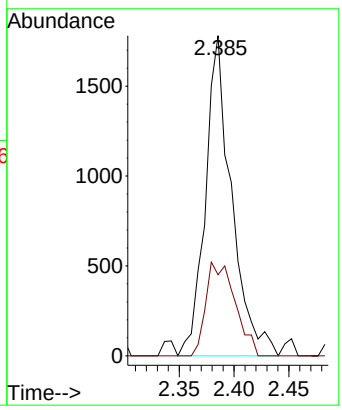


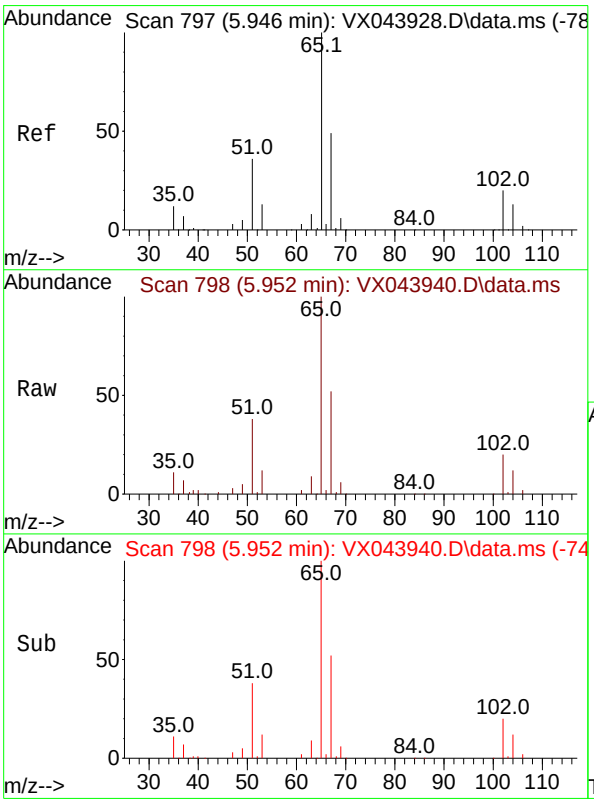

#16
Acetone
Concen: 3.297 ug/l
RT: 2.385 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Tgt Ion: 43 Resp: 2955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.3 | 22.7 | 34.1 |

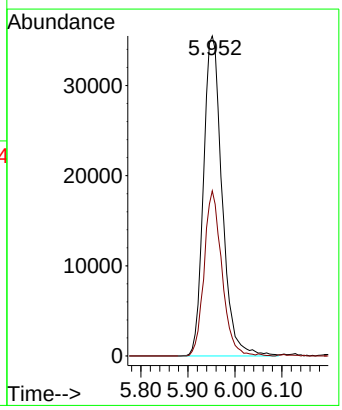


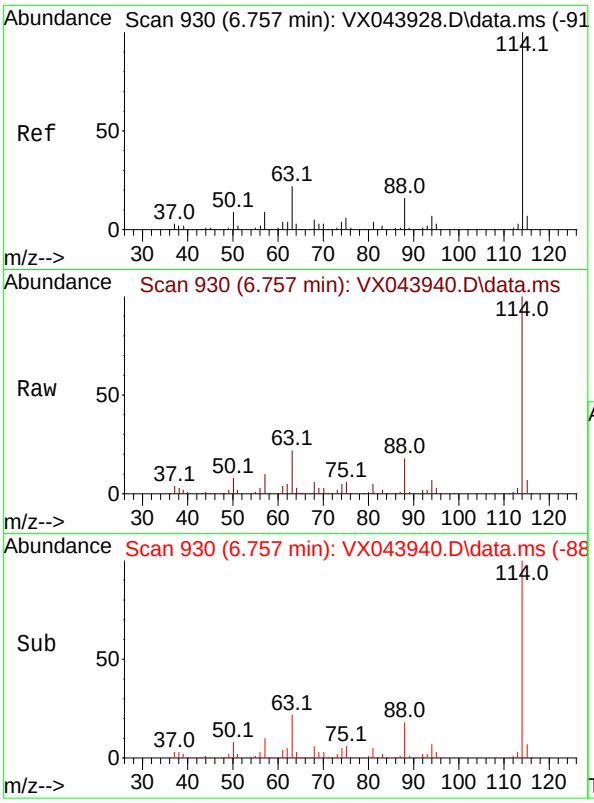




#33
1,2-Dichloroethane-d4
Concen: 49.903 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

Tgt Ion: 65 Resp: 97388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.1 | 0.0 | 100.8 |



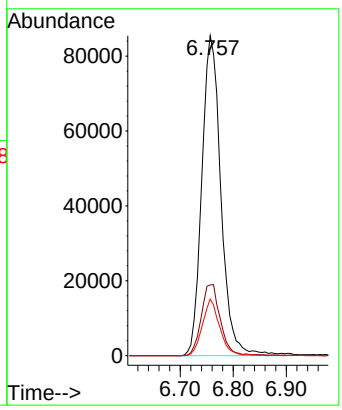


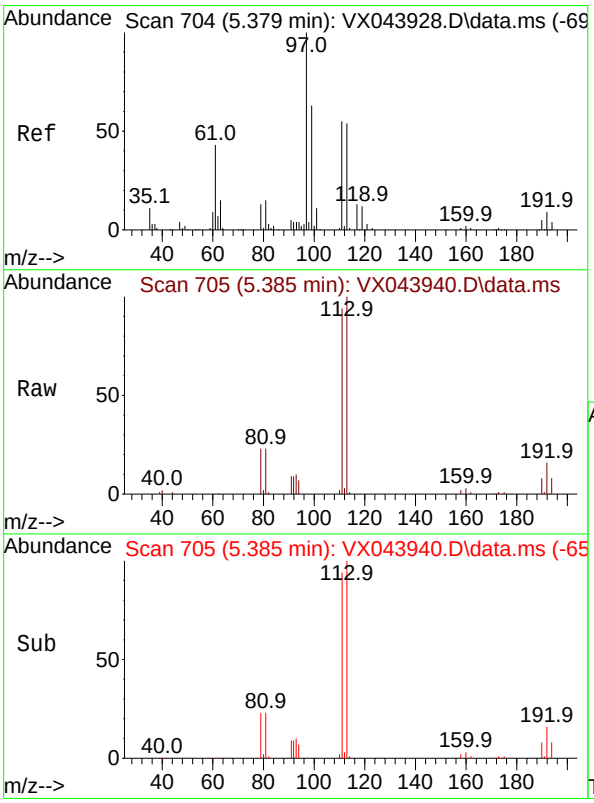

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Tgt Ion:114 Resp: 213883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.0 |
| 88 | 17.7 | 0.0 | 32.4 |

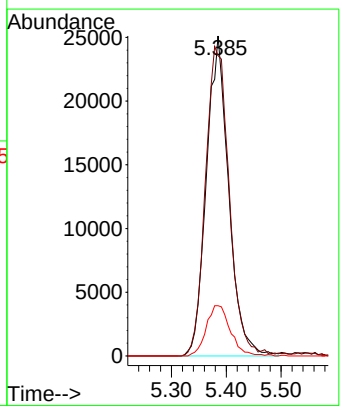


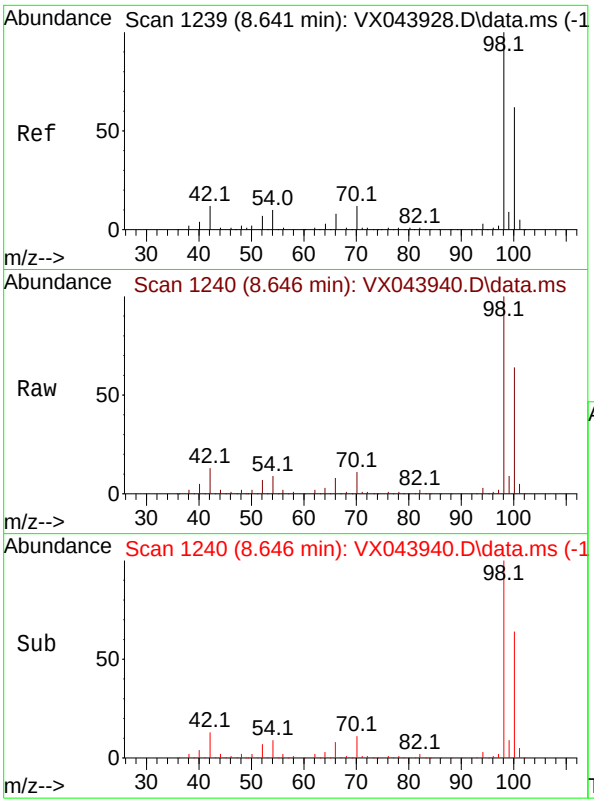




#35
Dibromofluoromethane
Concen: 46.431 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

Tgt Ion:113 Resp: 70960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |



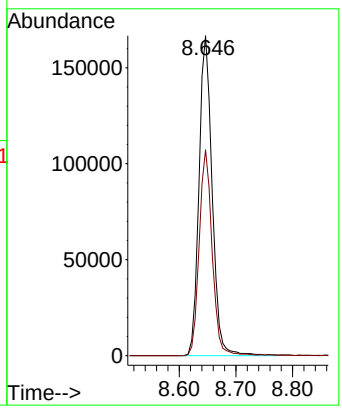


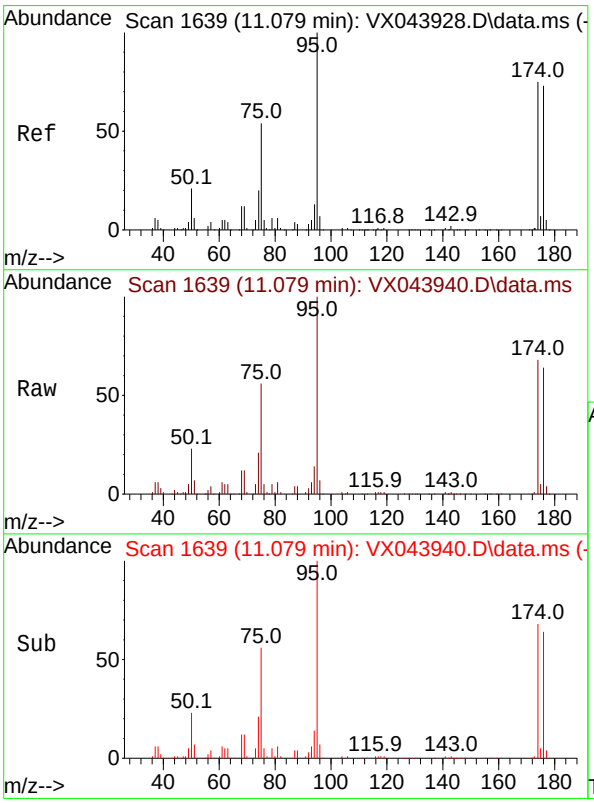

#50
Toluene-d8
Concen: 50.983 ug/l
RT: 8.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Tgt Ion: 98 Resp: 268589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.1 | 52.6 | 79.0 |

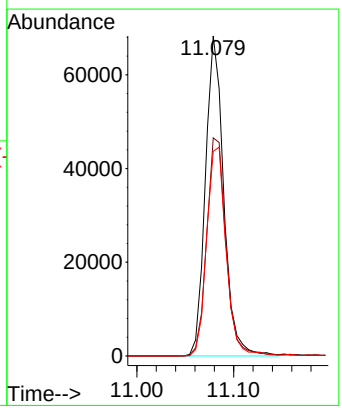


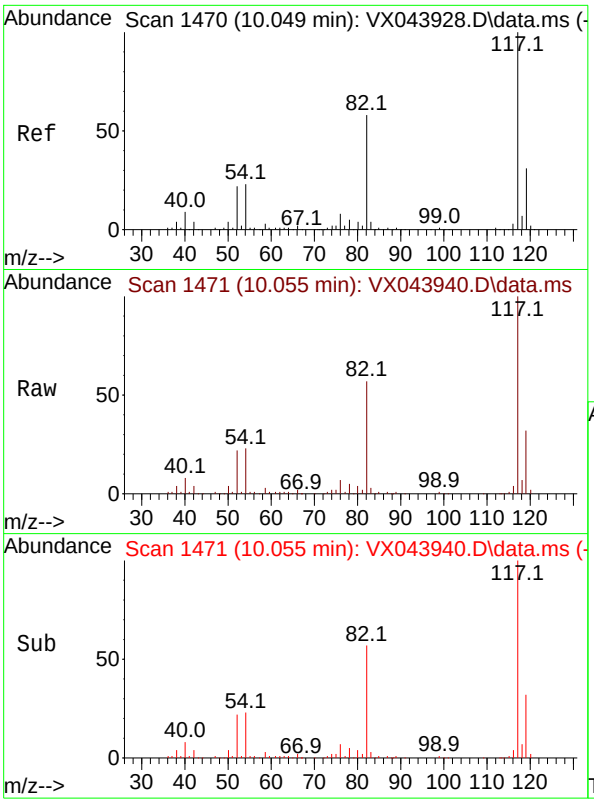




#62
4-Bromofluorobenzene
Concen: 50.247 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

Tgt Ion: 95 Resp: 90089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 150.4 |
| 176 | 69.0 | 0.0 | 146.0 |



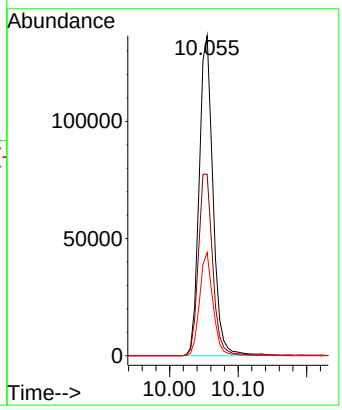


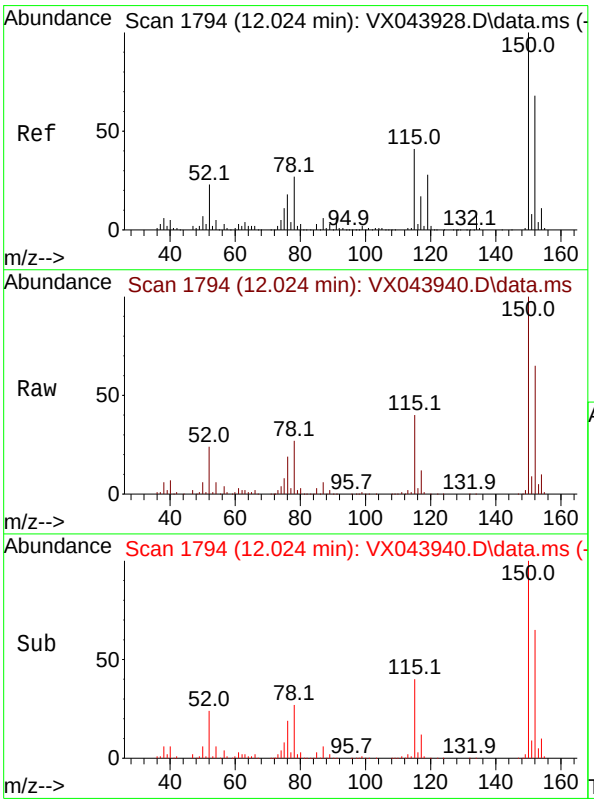

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Tgt Ion:117 Resp: 191929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.7 | 46.4 | 69.6 |
| 119 | 32.3 | 24.6 | 37.0 |

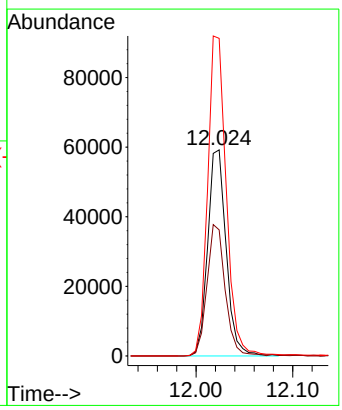



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043940.D
Acq: 21 Nov 2024 17:13

Tgt Ion:152 Resp: 78947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.0 | 45.4 | 136.2 |
| 150 | 156.8 | 0.0 | 353.0 |



Sample Results: **VX043940.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043940.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.587 | 69 | 82 | 84 | rBV6 | 13490 | 44617 | 6.14% | 1.183% |
| 2 | 5.385 | 695 | 705 | 720 | rBV2 | 81791 | 243551 | 33.54% | 6.455% |
| 3 | 5.543 | 722 | 731 | 745 | rBV2 | 124332 | 369108 | 50.83% | 9.783% |
| 4 | 5.952 | 790 | 798 | 810 | rBV | 101867 | 263180 | 36.24% | 6.975% |
| 5 | 6.757 | 921 | 930 | 946 | rBV | 214741 | 525626 | 72.38% | 13.932% |
| 6 | 8.646 | 1234 | 1240 | 1255 | rBV | 446795 | 726232 | 100.00% | 19.248% |
| 7 | 10.055 | 1465 | 1471 | 1482 | rBV | 435599 | 625698 | 86.16% | 16.584% |
| 8 | 11.079 | 1634 | 1639 | 1650 | rBV | 340208 | 451258 | 62.14% | 11.960% |
| 9 | 12.018 | 1788 | 1793 | 1805 | rBV | 400130 | 523659 | 72.11% | 13.879% |

Sum of corrected areas: 3772929

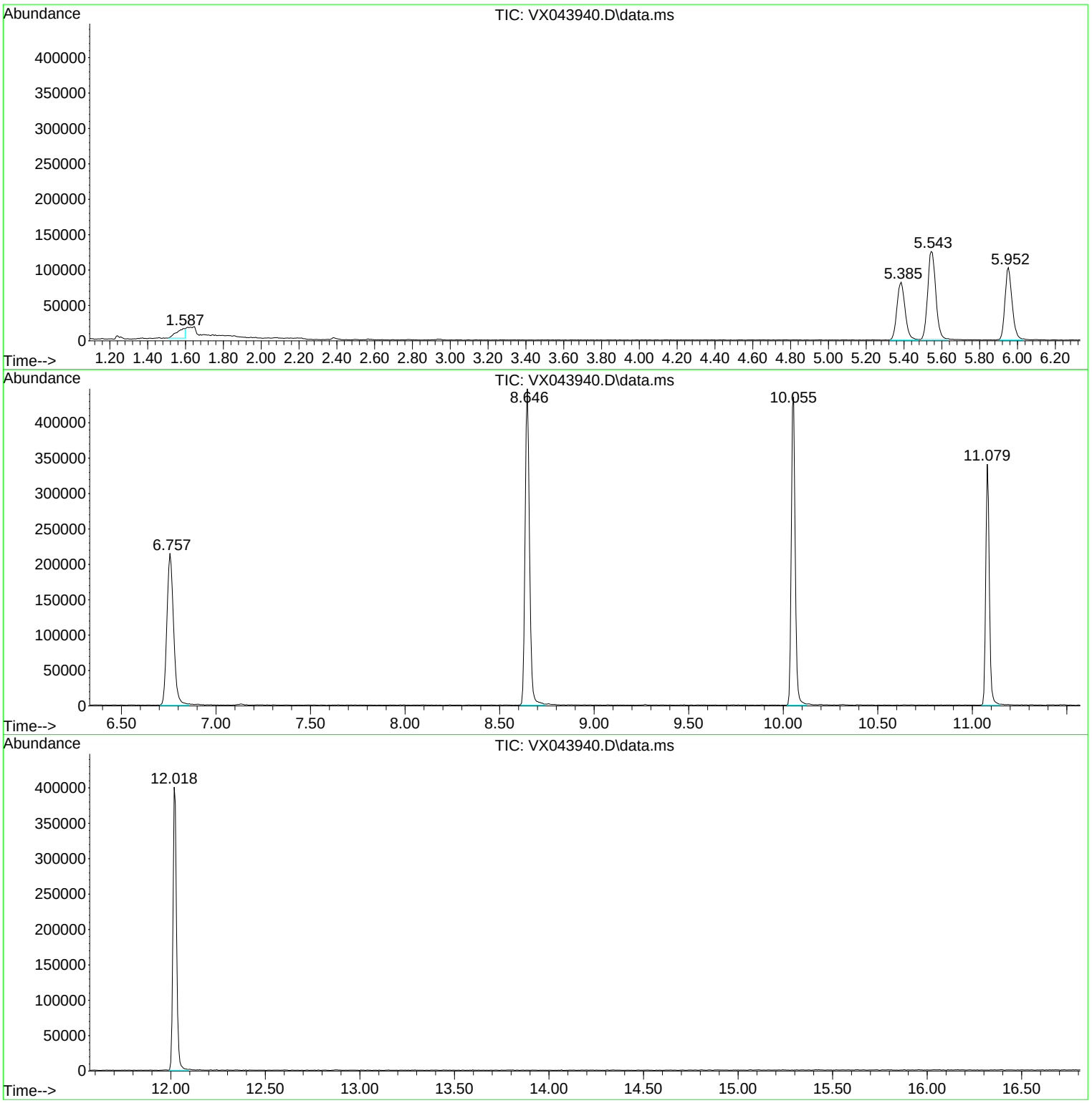
Sample Results: **VX043940.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043940.D
Acq On : 21 Nov 2024 17:13
Operator : JC/MD
Sample : P4934-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
RB01-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043946.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP02-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043946.D | 1 | | 11/21/24 19:32 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | J | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043946.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP02-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043946.D | 1 | | 11/21/24 19:32 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.7 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 45.4 | | 80 - 119 | | 91% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.9 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.6 | | 85 - 114 | | 95% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.55 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 210000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 184000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 74800 | 12.024 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

Raw Data: **VX043946.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | DUP02-20241119 | SDG No.: | P4934 |
| Lab Sample ID: | P4934-12 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043946.D | 1 | | 11/21/24 19:32 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX043946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Quant Time: Nov 22 04:04:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 108515 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 209984 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 184320 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 74811 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 94394 | 50.716 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.440% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 68153 | 45.422 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 90.840% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 252817 | 48.880 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.760% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 83740 | 47.573 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.386 | 43 | 1251 | 1.463 | ug/l | 100 |

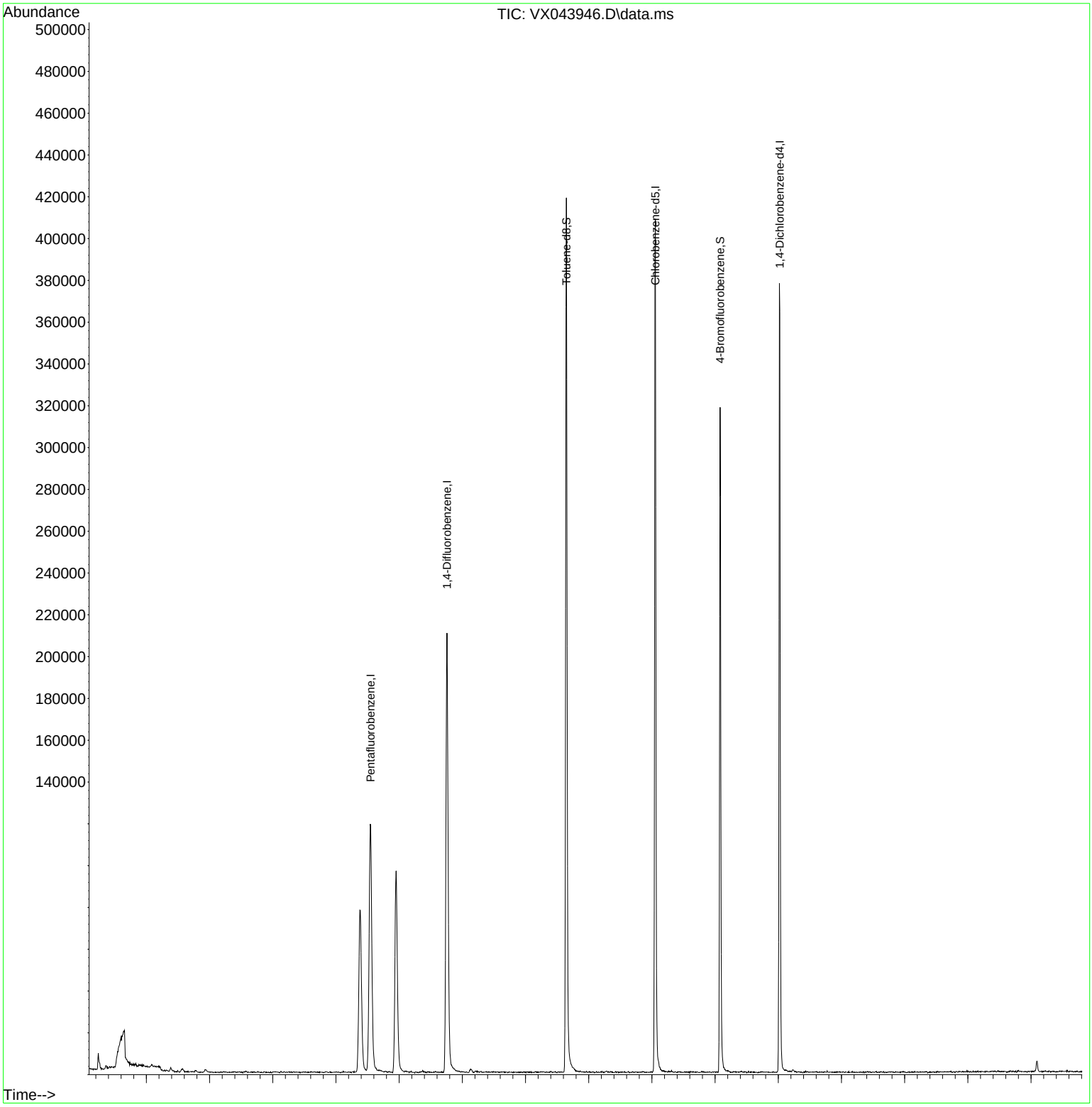
(#) = qualifier out of range (m) = manual integration (+) = signals summed

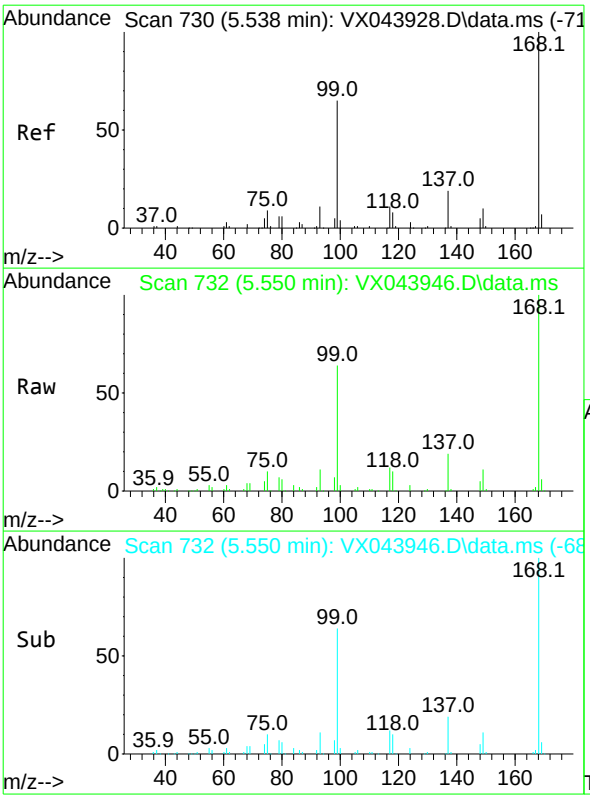
Sample Results: **VX043946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Quant Time: Nov 22 04:04:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



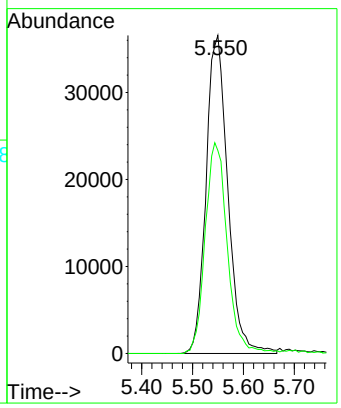


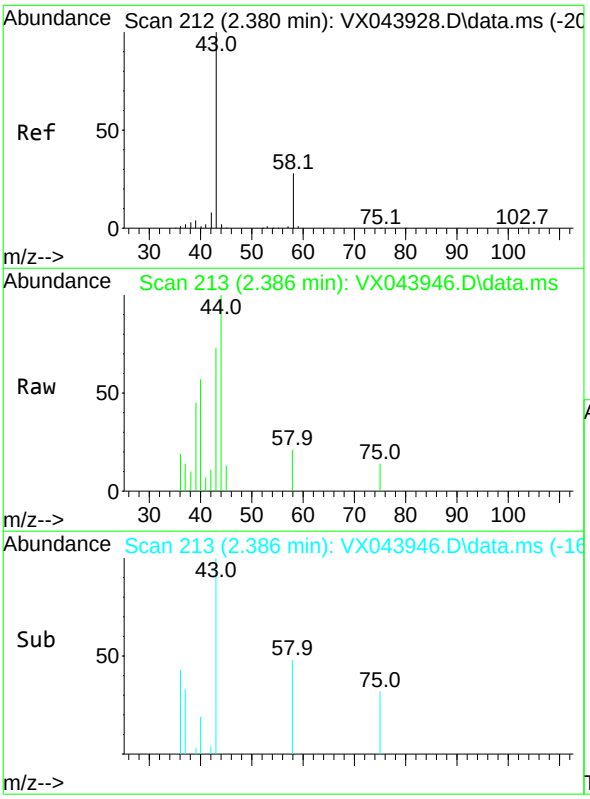

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. 0.012 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Tgt Ion:168 Resp: 108515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.8 | 51.8 | 77.8 |

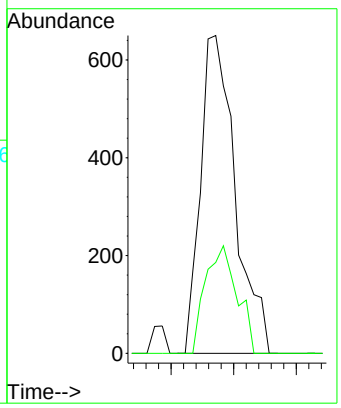


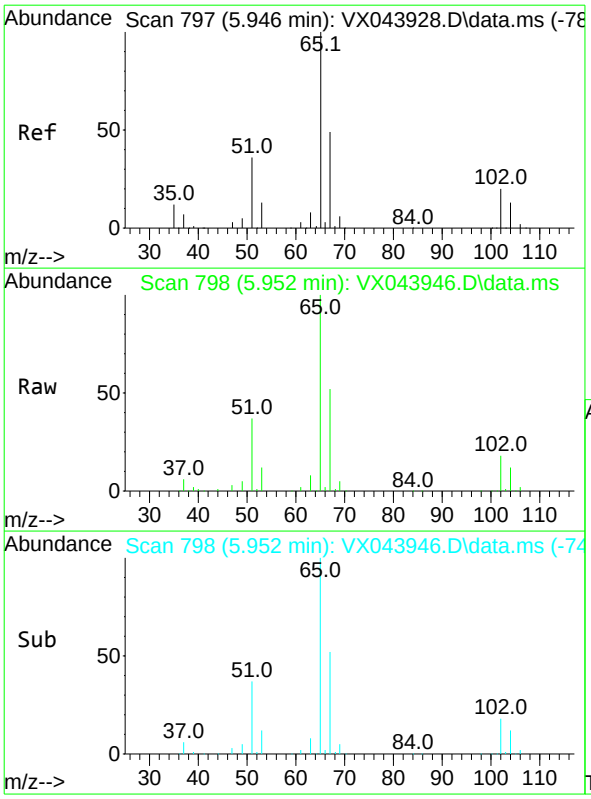




#16
Acetone
Concen: 1.463 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

Tgt Ion: 43 Resp: 1251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 22.7 | 34.1 |



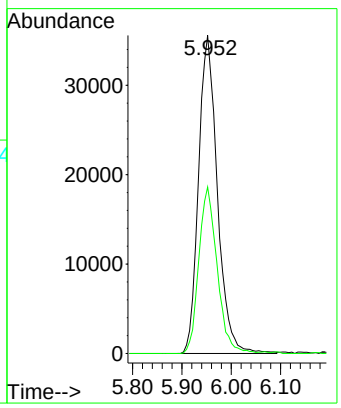


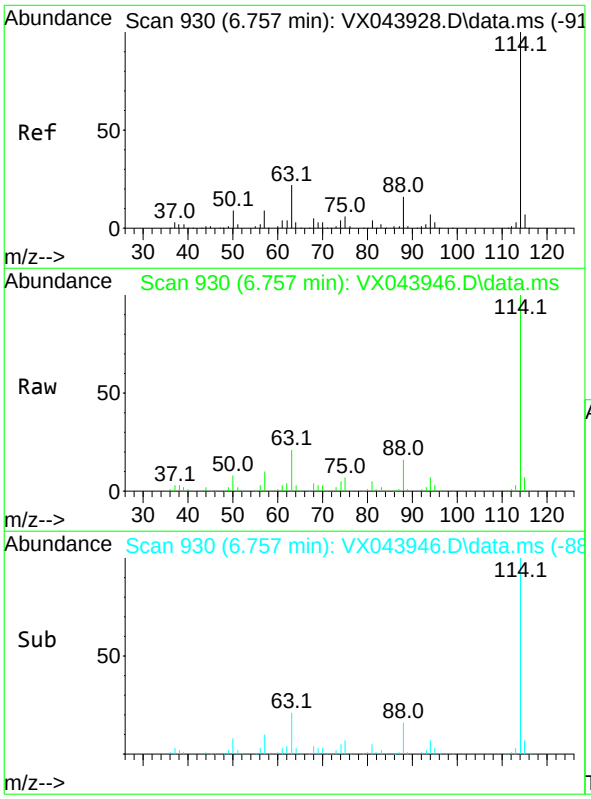

#33
1,2-Dichloroethane-d4
Concen: 50.716 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Tgt Ion: 65 Resp: 94394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |

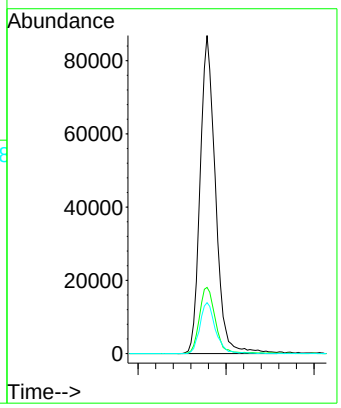


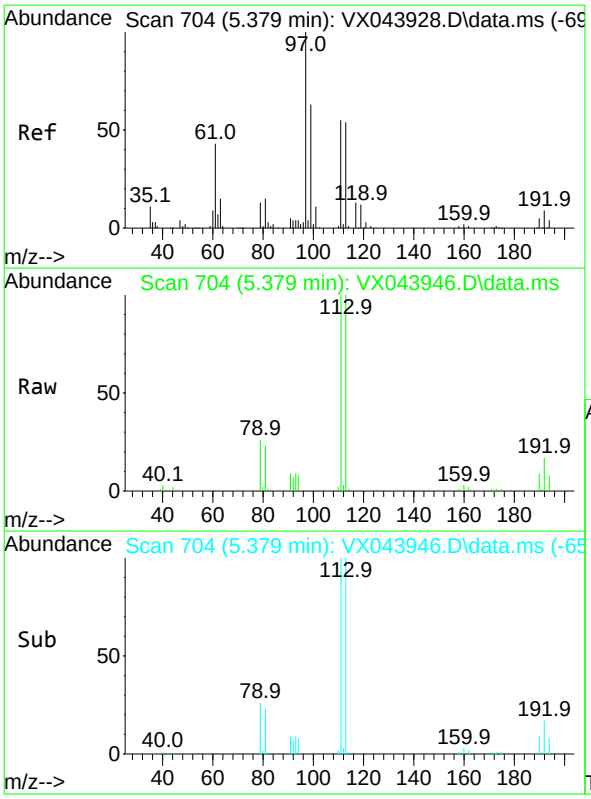




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

Tgt Ion:114 Resp: 209984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 44.0 |
| 88 | 16.0 | 0.0 | 32.4 |



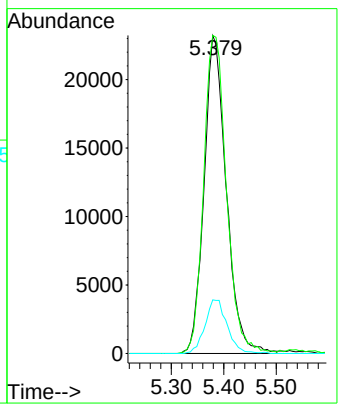


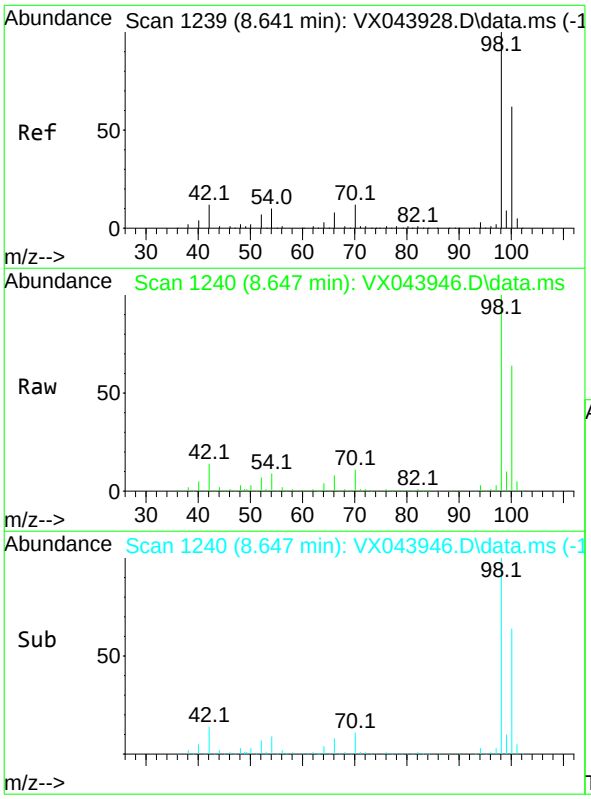

#35
Dibromofluoromethane
Concen: 45.422 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Tgt Ion:113 Resp: 68153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.9 | 81.0 | 121.4 |
| 192 | 16.8 | 13.0 | 19.6 |

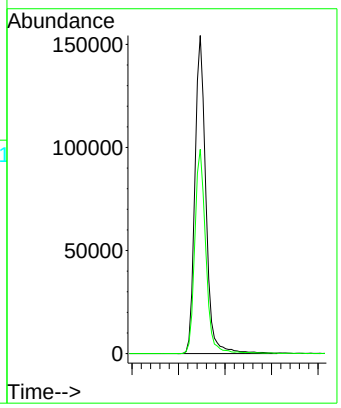


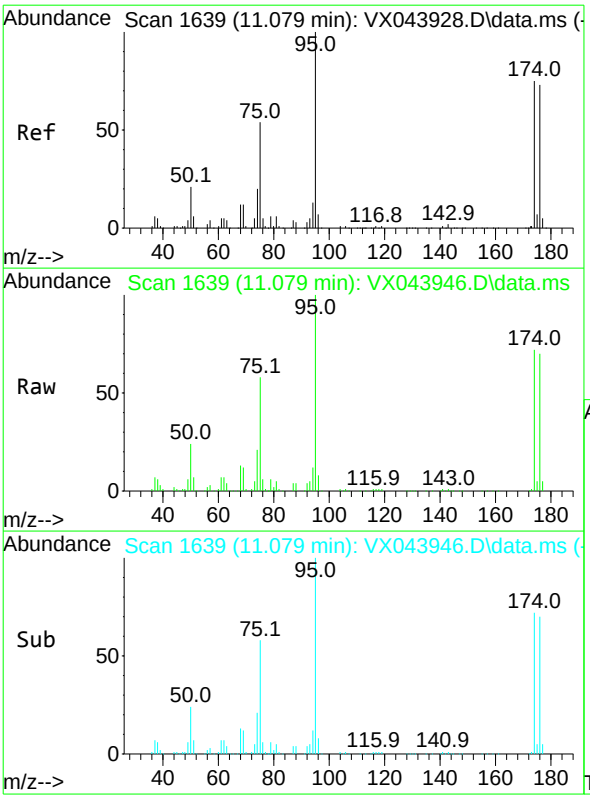




#50
Toluene-d8
Concen: 48.880 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

Tgt Ion: 98 Resp: 252817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.6 | 79.0 |



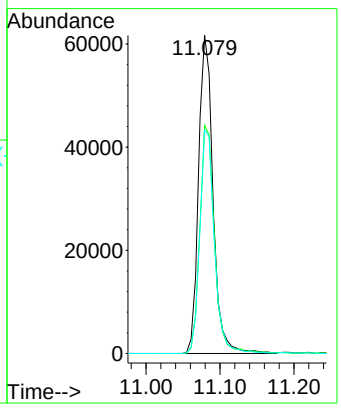


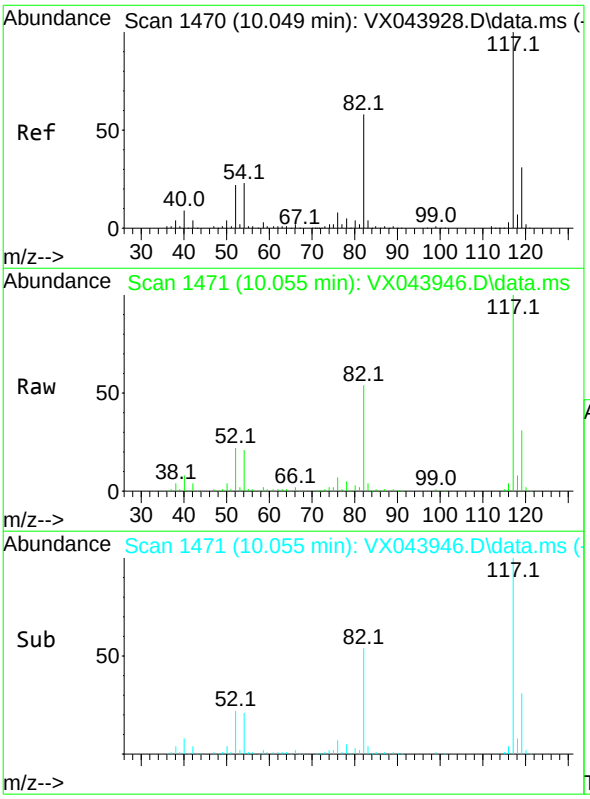

#62
4-Bromofluorobenzene
Concen: 47.573 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Tgt Ion: 95 Resp: 83740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.0 | 0.0 | 150.4 |
| 176 | 71.2 | 0.0 | 146.0 |

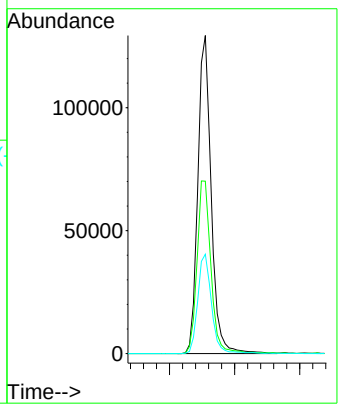


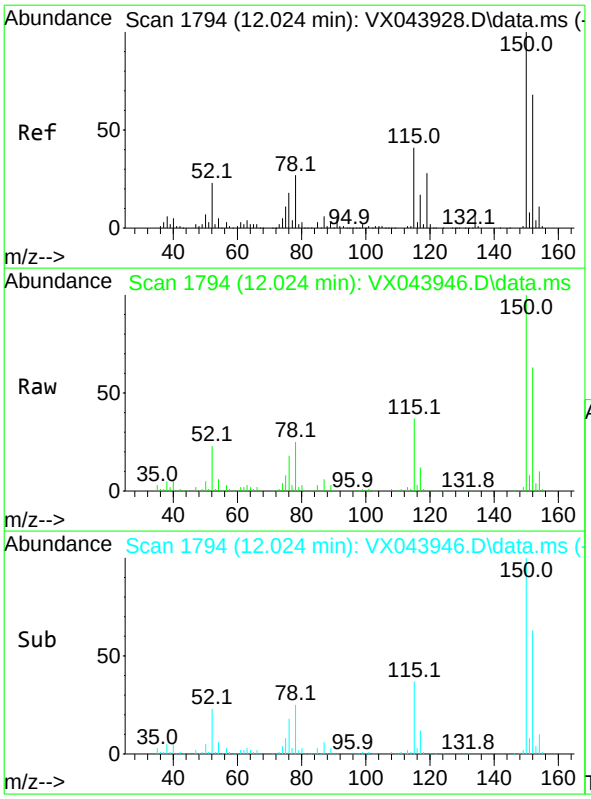




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

Tgt Ion:117 Resp: 184320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.2 | 46.4 | 69.6 |
| 119 | 31.2 | 24.6 | 37.0 |



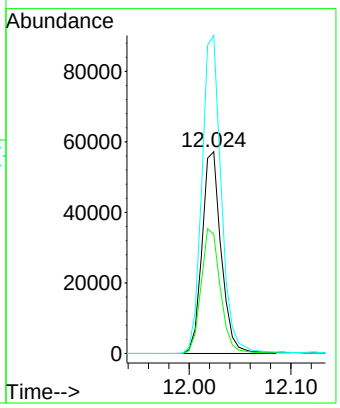



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043946.D
Acq: 21 Nov 2024 19:32

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Tgt Ion:152 Resp: 74811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.4 | 45.4 | 136.2 |
| 150 | 160.2 | 0.0 | 353.0 |



Sample Results: **VX043946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043946.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 21 | 25 | 31 | rBV2 | 7802 | 11257 | 1.64% | 0.310% |
| 2 | 1.599 | 69 | 84 | 85 | rBV7 | 14369 | 50210 | 7.30% | 1.382% |
| 3 | 5.379 | 693 | 704 | 718 | rBV | 77492 | 231371 | 33.65% | 6.367% |
| 4 | 5.544 | 720 | 731 | 752 | rVB | 118109 | 350154 | 50.93% | 9.635% |
| 5 | 5.952 | 789 | 798 | 815 | rBV | 96633 | 263280 | 38.29% | 7.245% |
| 6 | 6.757 | 919 | 930 | 948 | rBV | 210338 | 510381 | 74.23% | 14.044% |
| 7 | 8.647 | 1233 | 1240 | 1256 | rBV | 418309 | 687556 | 100.00% | 18.920% |
| 8 | 10.055 | 1465 | 1471 | 1482 | rBV | 407904 | 593560 | 86.33% | 16.333% |
| 9 | 11.079 | 1634 | 1639 | 1655 | rBV | 318213 | 428059 | 62.26% | 11.779% |
| 10 | 12.018 | 1788 | 1793 | 1806 | rBV | 377218 | 499804 | 72.69% | 13.753% |
| 11 | 16.091 | 2457 | 2461 | 2469 | rVB4 | 5113 | 8441 | 1.23% | 0.232% |

Sum of corrected areas: 3634073

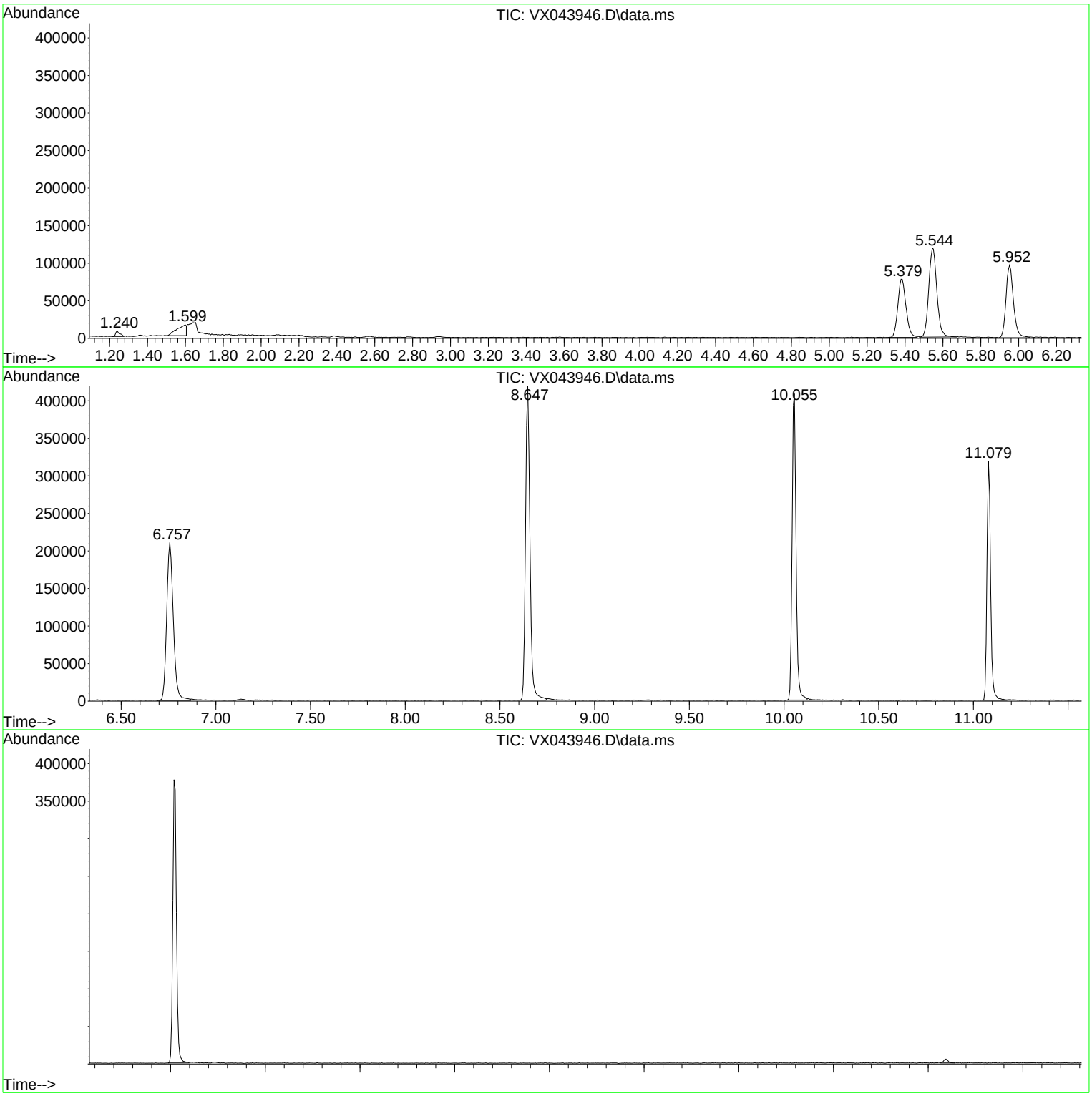
Sample Results: **VX043946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX043946.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043946.D
Acq On : 21 Nov 2024 19:32
Operator : JC/MD
Sample : P4934-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
DUP02-20241119

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

# CALIBRATION SUMMARY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Chloromethane | 0.578 | 0.662 | 0.720 | 0.697 | 0.665 | 0.677 | 0.667 | 7.3 |
| Vinyl Chloride | 0.675 | 0.708 | 0.730 | 0.762 | 0.695 | 0.684 | 0.709 | 4.6 |
| Bromomethane | | 0.425 | 0.438 | 0.445 | 0.429 | 0.442 | 0.436 | 2 |
| Chloroethane | 0.579 | 0.429 | 0.404 | 0.459 | 0.368 | 0.354 | 0.432 | 18.9 |
| Trichlorofluoromethane | 1.038 | 1.267 | 1.335 | 1.357 | 1.281 | 1.328 | 1.268 | 9.3 |
| 1,1,2-Trichlorotrifluoroethane | 0.592 | 0.585 | 0.605 | 0.658 | 0.589 | 0.599 | 0.605 | 4.5 |
| 1,1-Dichloroethene | 0.596 | 0.530 | 0.585 | 0.600 | 0.572 | 0.576 | 0.576 | 4.4 |
| Acetone | 0.401 | 0.396 | 0.401 | 0.425 | 0.370 | 0.370 | 0.394 | 5.4 |
| Carbon Disulfide | 1.082 | 0.956 | 1.078 | 1.287 | 1.330 | 1.398 | 1.188 | 14.6 |
| Methyl tert-butyl Ether | 1.732 | 1.991 | 2.212 | 2.264 | 2.160 | 2.192 | 2.092 | 9.5 |
| Methylene Chloride | 0.704 | 0.656 | 0.684 | 0.667 | 0.643 | 0.655 | 0.668 | 3.3 |
| trans-1,2-Dichloroethene | 0.545 | 0.563 | 0.609 | 0.633 | 0.600 | 0.619 | 0.595 | 5.7 |
| 1,1-Dichloroethane | 0.980 | 1.118 | 1.221 | 1.256 | 1.185 | 1.208 | 1.161 | 8.6 |
| 2-Butanone | 0.448 | 0.486 | 0.538 | 0.567 | 0.500 | 0.510 | 0.508 | 8.1 |
| Carbon Tetrachloride | 0.439 | 0.466 | 0.491 | 0.558 | 0.520 | 0.528 | 0.500 | 8.7 |
| cis-1,2-Dichloroethene | 0.674 | 0.673 | 0.761 | 0.792 | 0.745 | 0.767 | 0.735 | 6.8 |
| Chloroform | 1.070 | 1.238 | 1.309 | 1.316 | 1.269 | 1.293 | 1.249 | 7.4 |
| 1,1,1-Trichloroethane | 0.873 | 1.005 | 1.133 | 1.184 | 1.119 | 1.149 | 1.077 | 10.9 |
| Methylcyclohexane | 0.544 | 0.556 | 0.564 | 0.656 | 0.574 | 0.576 | 0.578 | 6.9 |
| Benzene | 1.211 | 1.369 | 1.457 | 1.494 | 1.388 | 1.402 | 1.387 | 7 |
| 1,2-Dichloroethane | 0.499 | 0.546 | 0.585 | 0.603 | 0.551 | 0.558 | 0.557 | 6.4 |
| Trichloroethene | 0.547 | 0.372 | 0.368 | 0.373 | 0.345 | 0.352 | 0.393 | 19.5 |
| 1,2-Dichloropropane | 0.288 | 0.322 | 0.361 | 0.371 | 0.346 | 0.350 | 0.340 | 8.8 |
| Bromodichloromethane | 0.349 | 0.425 | 0.501 | 0.544 | 0.528 | 0.545 | 0.482 | 16.4 |
| 4-Methyl-2-Pentanone | 0.437 | 0.527 | 0.562 | 0.606 | 0.539 | 0.548 | 0.537 | 10.4 |
| Toluene | 0.636 | 0.839 | 0.883 | 0.921 | 0.850 | 0.852 | 0.830 | 12 |
| t-1,3-Dichloropropene | 0.341 | 0.413 | 0.507 | 0.569 | 0.549 | 0.570 | 0.491 | 19.2 |
| cis-1,3-Dichloropropene | 0.409 | 0.462 | 0.569 | 0.611 | 0.580 | 0.601 | 0.539 | 15.4 |
| 1,1,2-Trichloroethane | 0.287 | 0.340 | 0.375 | 0.370 | 0.340 | 0.345 | 0.343 | 9.1 |
| 2-Hexanone | 0.297 | 0.393 | 0.431 | 0.471 | 0.410 | 0.419 | 0.403 | 14.5 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX043925.D RRF005 = VX043926.D RRF020 = VX043927.D
RRF050 = VX043928.D RRF100 = VX043929.D RRF150 = VX043930.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | 0.249 | 0.292 | 0.344 | 0.396 | 0.380 | 0.401 | 0.344 | 18 |
| Tetrachloroethene | 0.304 | 0.342 | 0.336 | 0.349 | 0.315 | 0.332 | 0.330 | 5.1 |
| Chlorobenzene | 1.050 | 1.109 | 1.107 | 1.145 | 1.069 | 1.108 | 1.098 | 3.1 |
| Ethyl Benzene | 1.579 | 1.831 | 1.910 | 2.024 | 1.884 | 1.938 | 1.861 | 8.2 |
| m/p-Xylenes | 0.610 | 0.663 | 0.704 | 0.762 | 0.700 | 0.725 | 0.694 | 7.6 |
| o-Xylene | 0.543 | 0.665 | 0.691 | 0.757 | 0.693 | 0.716 | 0.678 | 10.7 |
| Styrene | 0.859 | 1.025 | 1.174 | 1.263 | 1.186 | 1.217 | 1.121 | 13.5 |
| Bromoform | 0.145 | 0.200 | 0.222 | 0.284 | 0.286 | 0.306 | 0.240 | 25.9 |
| Isopropylbenzene | 3.435 | 3.927 | 3.996 | 4.097 | 3.679 | 3.927 | 3.843 | 6.3 |
| 1,1,2,2-Tetrachloroethane | 1.198 | 1.356 | 1.375 | 1.393 | 1.260 | 1.314 | 1.316 | 5.7 |
| 1,3-Dichlorobenzene | 1.580 | 1.656 | 1.701 | 1.764 | 1.623 | 1.696 | 1.670 | 3.9 |
| 1,4-Dichlorobenzene | 1.730 | 1.638 | 1.706 | 1.782 | 1.650 | 1.710 | 1.702 | 3.1 |
| 1,2-Dichlorobenzene | 1.506 | 1.733 | 1.723 | 1.768 | 1.642 | 1.740 | 1.685 | 5.8 |
| 1,2-Dichloroethane-d4 | | 0.926 | 0.876 | 0.751 | 0.855 | 0.880 | 0.858 | 7.6 |
| Dibromofluoromethane | | 0.371 | 0.353 | 0.327 | 0.359 | 0.376 | 0.357 | 5.4 |
| Toluene-d8 | | 1.327 | 1.237 | 1.104 | 1.232 | 1.257 | 1.232 | 6.6 |
| 4-Bromofluorobenzene | | 0.401 | 0.414 | 0.387 | 0.438 | 0.455 | 0.419 | 6.6 |

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

# Response Factor Report MSVOA_X

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024
Response Via : Initial Calibration

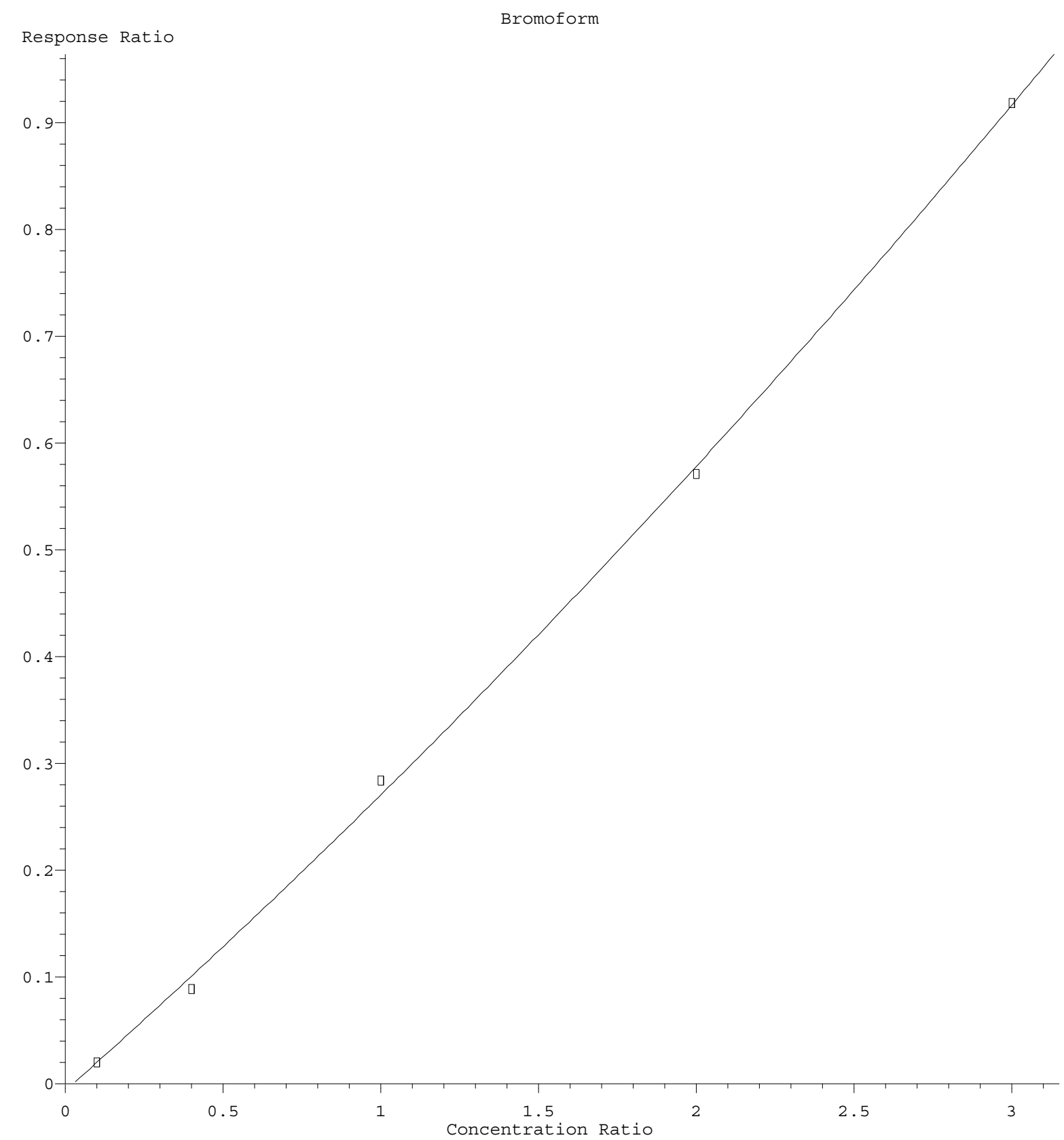
Calibration Files
1 =VX043925.D 5 =VX043926.D 20 =VX043927.D 50 =VX043928.D 100 =VX043929.D 150 =VX043930.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.634 | 0.633 | 0.641 | 0.684 | 0.601 | 0.608 | 0.633 | 4.64 |
| 3) | P | Chloromethane | 0.578 | 0.662 | 0.720 | 0.697 | 0.665 | 0.677 | 0.667 | 7.26 |
| 4) | C | Vinyl Chloride | 0.675 | 0.708 | 0.730 | 0.762 | 0.695 | 0.684 | 0.709 | 4.56# |
| 5) | T | Bromomethane | | 0.425 | 0.438 | 0.445 | 0.429 | 0.442 | 0.436 | 1.95 |
| 6) | T | Chloroethane | 0.579 | 0.429 | 0.404 | 0.459 | 0.368 | 0.354 | 0.432 | 18.87 |
| 7) | T | Trichlorofluor... | 1.038 | 1.267 | 1.335 | 1.357 | 1.281 | 1.328 | 1.268 | 9.27 |
| 8) | T | Diethyl Ether | 0.477 | 0.430 | 0.470 | 0.474 | 0.455 | 0.467 | 0.462 | 3.80 |
| 9) | T | 1,1,2-Trichlor... | 0.592 | 0.585 | 0.605 | 0.658 | 0.589 | 0.599 | 0.605 | 4.47 |
| 10) | T | Methyl Iodide | | 0.656 | 0.782 | 0.809 | 0.773 | 0.755 | 0.755 | 7.75 |
| 11) | T | Tert butyl alc... | | 0.123 | 0.133 | 0.145 | 0.134 | 0.154 | 0.138 | 8.73 |
| 12) | CM | 1,1-Dichloroet... | 0.596 | 0.530 | 0.585 | 0.600 | 0.572 | 0.576 | 0.576 | 4.38# |
| 13) | T | Acrolein | | 0.158 | 0.128 | 0.145 | 0.145 | 0.148 | 0.145 | 7.53 |
| 14) | T | Allyl chloride | 0.796 | 0.854 | 0.964 | 1.044 | 0.998 | 0.993 | 0.941 | 10.17 |
| 15) | T | Acrylonitrile | 0.301 | 0.322 | 0.343 | 0.370 | 0.332 | 0.345 | 0.335 | 6.97 |
| 16) | T | Acetone | 0.401 | 0.396 | 0.401 | 0.425 | 0.370 | 0.370 | 0.394 | 5.39 |
| 17) | T | Carbon Disulfide | 1.082 | 0.956 | 1.078 | 1.287 | 1.330 | 1.398 | 1.188 | 14.64 |
| 18) | T | Methyl Acetate | 0.931 | 0.871 | 0.911 | 0.987 | 0.894 | 0.910 | 0.917 | 4.32 |
| 19) | T | Methyl tert-bu... | 1.732 | 1.991 | 2.212 | 2.264 | 2.160 | 2.192 | 2.092 | 9.52 |
| 20) | T | Methylene Chlo... | 0.704 | 0.656 | 0.684 | 0.667 | 0.643 | 0.655 | 0.668 | 3.33 |
| 21) | T | trans-1,2-Dich... | 0.545 | 0.563 | 0.609 | 0.633 | 0.600 | 0.619 | 0.595 | 5.72 |
| 22) | T | Diisopropyl ether | 1.638 | 1.930 | 2.170 | 2.162 | 2.071 | 2.106 | 2.013 | 10.09 |
| 23) | T | Vinyl Acetate | 1.244 | 1.542 | 1.833 | 1.941 | 1.858 | 1.914 | 1.722 | 15.93 |
| 24) | P | 1,1-Dichloroet... | 0.980 | 1.118 | 1.221 | 1.256 | 1.185 | 1.208 | 1.161 | 8.63 |
| 25) | T | 2-Butanone | 0.448 | 0.486 | 0.538 | 0.567 | 0.500 | 0.510 | 0.508 | 8.10 |
| 26) | T | 2,2-Dichloropr... | 0.902 | 0.997 | 1.062 | 1.141 | 1.082 | 1.109 | 1.049 | 8.28 |
| 27) | T | cis-1,2-Dichlo... | 0.674 | 0.673 | 0.761 | 0.792 | 0.745 | 0.767 | 0.735 | 6.83 |
| 28) | T | Bromochloromet... | 0.501 | 0.611 | 0.482 | 0.450 | 0.500 | 0.523 | 0.511 | 10.68 |
| 29) | T | Tetrahydrofuran | 0.286 | 0.312 | 0.319 | 0.338 | 0.303 | 0.311 | 0.312 | 5.49 |
| 30) | C | Chloroform | 1.070 | 1.238 | 1.309 | 1.316 | 1.269 | 1.293 | 1.249 | 7.41# |
| 31) | T | Cyclohexane | | 0.911 | 0.976 | 1.041 | 0.926 | 0.925 | 0.956 | 5.60 |
| 32) | T | 1,1,1-Trichlor... | 0.873 | 1.005 | 1.133 | 1.184 | 1.119 | 1.149 | 1.077 | 10.86 |
| 33) | S | 1,2-Dichloroet... | | 0.926 | 0.876 | 0.751 | 0.855 | 0.880 | 0.858 | 7.57 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.371 | 0.353 | 0.327 | 0.359 | 0.376 | 0.357 | 5.43 |
| 36) | T | 1,1-Dichloropr... | 0.382 | 0.430 | 0.449 | 0.494 | 0.452 | 0.465 | 0.445 | 8.36 |
| 37) | T | Ethyl Acetate | 0.517 | 0.549 | 0.549 | 0.610 | 0.539 | 0.552 | 0.553 | 5.61 |
| 38) | T | Carbon Tetrach... | 0.439 | 0.466 | 0.491 | 0.558 | 0.520 | 0.528 | 0.500 | 8.69 |
| 39) | T | Methylcyclohexane | 0.544 | 0.556 | 0.564 | 0.656 | 0.574 | 0.576 | 0.578 | 6.91 |
| 40) | TM | Benzene | 1.211 | 1.369 | 1.457 | 1.494 | 1.388 | 1.402 | 1.387 | 7.04 |
| 41) | T | Methacrylonitrile | 0.219 | 0.278 | 0.292 | 0.329 | 0.291 | 0.289 | 0.283 | 12.67 |
| 42) | TM | 1,2-Dichloroet... | 0.499 | 0.546 | 0.585 | 0.603 | 0.551 | 0.558 | 0.557 | 6.41 |
| 43) | T | Isopropyl Acetate | 0.745 | 0.840 | 0.893 | 0.976 | 0.894 | 0.928 | 0.880 | 9.07 |
| 44) | TM | Trichloroethene | 0.547 | 0.372 | 0.368 | 0.373 | 0.345 | 0.352 | 0.393 | 19.47 |
| 45) | C | 1,2-Dichloropr... | 0.288 | 0.322 | 0.361 | 0.371 | 0.346 | 0.350 | 0.340 | 8.84# |
| 46) | T | Dibromomethane | 0.239 | 0.240 | 0.280 | 0.293 | 0.276 | 0.284 | 0.269 | 8.58 |
| 47) | T | Bromodichlorom... | 0.349 | 0.425 | 0.501 | 0.544 | 0.528 | 0.545 | 0.482 | 16.40 |
| 48) | T | Methyl methacr... | 0.387 | 0.385 | 0.423 | 0.467 | 0.427 | 0.443 | 0.422 | 7.57 |
| 49) | T | 1,4-Dioxane | 0.006 | 0.008 | 0.008 | 0.008 | 0.008 | 0.007 | 0.008 | 11.13 |
| 50) | S | Toluene-d8 | | 1.327 | 1.237 | 1.104 | 1.232 | 1.257 | 1.232 | 6.58 |
| 51) | T | 4-Methyl-2-Pen... | 0.437 | 0.527 | 0.562 | 0.606 | 0.539 | 0.548 | 0.537 | 10.41 |
| 52) | CM | Toluene | 0.636 | 0.839 | 0.883 | 0.921 | 0.850 | 0.852 | 0.830 | 12.02# |
| 53) | T | t-1,3-Dichloro... | 0.341 | 0.413 | 0.507 | 0.569 | 0.549 | 0.570 | 0.491 | 19.21 |
| 54) | T | cis-1,3-Dichlo... | 0.409 | 0.462 | 0.569 | 0.611 | 0.580 | 0.601 | 0.539 | 15.38 |
| 55) | T | 1,1,2-Trichlor... | 0.287 | 0.340 | 0.375 | 0.370 | 0.340 | 0.345 | 0.343 | 9.13 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X112124W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 56) | T | Ethyl methacry... | 0.379 | 0.467 | 0.571 | 0.614 | 0.582 | 0.590 | 0.534 | 17.12 |
| 57) | T | 1,3-Dichloropr... | 0.480 | 0.574 | 0.620 | 0.625 | 0.579 | 0.585 | 0.577 | 9.04 |
| 58) | T | 2-Chloroethyl ... | 0.159 | 0.327 | 0.276 | 0.307 | 0.284 | 0.287 | 0.273 | 21.65 |
| 59) | T | 2-Hexanone | 0.297 | 0.393 | 0.431 | 0.471 | 0.410 | 0.419 | 0.403 | 14.49 |
| 60) | T | Dibromochlorom... | 0.249 | 0.292 | 0.344 | 0.396 | 0.380 | 0.401 | 0.344 | 17.98 |
| 61) | T | 1,2-Dibromoethane | 0.258 | 0.339 | 0.373 | 0.385 | 0.358 | 0.367 | 0.346 | 13.33 |
| 62) | S | 4-Bromofluorob... | | 0.401 | 0.414 | 0.387 | 0.438 | 0.455 | 0.419 | 6.61 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.304 | 0.342 | 0.336 | 0.349 | 0.315 | 0.332 | 0.330 | 5.14 |
| 65) | PM | Chlorobenzene | 1.050 | 1.109 | 1.107 | 1.145 | 1.069 | 1.108 | 1.098 | 3.05 |
| 66) | T | 1,1,1,2-Tetrac... | 0.260 | 0.332 | 0.371 | 0.395 | 0.382 | 0.396 | 0.356 | 14.75 |
| 67) | C | Ethyl Benzene | 1.579 | 1.831 | 1.910 | 2.024 | 1.884 | 1.938 | 1.861 | 8.19# |
| 68) | T | m/p-Xylenes | 0.610 | 0.663 | 0.704 | 0.762 | 0.700 | 0.725 | 0.694 | 7.57 |
| 69) | T | o-Xylene | 0.543 | 0.665 | 0.691 | 0.757 | 0.693 | 0.716 | 0.678 | 10.75 |
| 70) | T | Styrene | 0.859 | 1.025 | 1.174 | 1.263 | 1.186 | 1.217 | 1.121 | 13.47 |
| 71) | P | Bromoform | 0.145 | 0.200 | 0.222 | 0.284 | 0.286 | 0.306 | 0.240 | 25.88 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.435 | 3.927 | 3.996 | 4.097 | 3.679 | 3.927 | 3.843 | 6.32 |
| 74) | T | N-amyl acetate | 1.249 | 1.648 | 1.867 | 1.996 | 1.895 | 2.029 | 1.780 | 16.45 |
| 75) | P | 1,1,2,2-Tetrac... | 1.198 | 1.356 | 1.375 | 1.393 | 1.260 | 1.314 | 1.316 | 5.70 |
| 76) | T | 1,2,3-Trichlor... | 0.863 | 1.246 | 1.153 | 1.181 | 1.053 | 1.084 | 1.096 | 12.17 |
| 77) | T | Bromobenzene | 0.794 | 0.958 | 0.955 | 0.975 | 0.883 | 0.936 | 0.917 | 7.40 |
| 78) | T | n-propylbenzene | 3.667 | 4.115 | 4.469 | 4.733 | 4.286 | 4.486 | 4.293 | 8.63 |
| 79) | T | 2-Chlorotoluene | 2.487 | 2.766 | 2.868 | 2.857 | 2.581 | 2.726 | 2.714 | 5.62 |
| 80) | T | 1,3,5-Trimethy... | 2.704 | 3.115 | 3.352 | 3.444 | 3.118 | 3.238 | 3.162 | 8.19 |
| 81) | T | trans-1,4-Dich... | | 0.298 | 0.374 | 0.443 | 0.423 | 0.471 | 0.402 | 16.90 |
| 82) | T | 4-Chlorotoluene | 2.660 | 3.005 | 3.187 | 3.329 | 3.025 | 3.180 | 3.064 | 7.54 |
| 83) | T | tert-Butylbenzene | 2.581 | 3.097 | 3.266 | 3.440 | 3.152 | 3.269 | 3.134 | 9.42 |
| 84) | T | 1,2,4-Trimethy... | 2.557 | 3.173 | 3.366 | 3.440 | 3.124 | 3.228 | 3.148 | 9.95 |
| 85) | T | sec-Butylbenzene | 3.116 | 3.921 | 3.968 | 4.249 | 3.812 | 3.974 | 3.840 | 9.97 |
| 86) | T | p-Isopropyltol... | 2.255 | 3.043 | 3.316 | 3.521 | 3.219 | 3.362 | 3.119 | 14.50 |
| 87) | T | 1,3-Dichlorobe... | 1.580 | 1.656 | 1.701 | 1.764 | 1.623 | 1.696 | 1.670 | 3.88 |
| 88) | T | 1,4-Dichlorobe... | 1.730 | 1.638 | 1.706 | 1.782 | 1.650 | 1.710 | 1.702 | 3.10 |
| 89) | T | n-Butylbenzene | 1.897 | 2.580 | 2.805 | 3.184 | 2.909 | 3.126 | 2.750 | 17.18 |
| 90) | T | Hexachloroethane | 0.450 | 0.443 | 0.496 | 0.588 | 0.581 | 0.625 | 0.530 | 14.64 |
| 91) | T | 1,2-Dichlorobe... | 1.506 | 1.733 | 1.723 | 1.768 | 1.642 | 1.740 | 1.685 | 5.79 |
| 92) | T | 1,2-Dibromo-3-... | 0.213 | 0.254 | 0.252 | 0.284 | 0.275 | 0.304 | 0.264 | 12.00 |
| 93) | T | 1,2,4-Trichlor... | 0.849 | 0.905 | 0.987 | 1.084 | 1.012 | 1.125 | 0.994 | 10.53 |
| 94) | T | Hexachlorobuta... | 0.382 | 0.384 | 0.376 | 0.411 | 0.384 | 0.419 | 0.393 | 4.54 |
| 95) | T | Naphthalene | 2.605 | 3.361 | 3.698 | 4.005 | 3.733 | 4.058 | 3.576 | 15.03 |
| 96) | T | 1,2,3-Trichlor... | 0.753 | 0.960 | 1.055 | 1.118 | 1.018 | 1.130 | 1.006 | 13.83 |

(#) = Out of Range




R = 1.533e-002 A*A + 2.616e-001 A - 6.311e-003
Coef of Det (r^2) = 0.999408  Curve Fit: Quadratic
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X112124W.M
Calibration Table Last Updated: Fri Nov 22 03:45:52 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 148984 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 260569 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 218244 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 92854 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.000 | 65 | 0d | 0.000 | ug/l | |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 0.000%# | | |
| 35) Dibromofluoromethane | 0.000 | 113 | 0d | 0.000 | ug/l | |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 0.000%# | | |
| 50) Toluene-d8 | 0.000 | 98 | 0d | 0.000 | ug/l | |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 0.000%# | | |
| 62) 4-Bromofluorobenzene | 0.000 | 95 | 0d | 0.000 | ug/l | |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 0.000%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 1889 | 1.001 | ug/l | 88 |
| 3) Chloromethane | 1.295 | 50 | 1723 | 0.868 | ug/l | 90 |
| 4) Vinyl Chloride | 1.374 | 62 | 2010 | 0.951 | ug/l # | 81 |
| 6) Chloroethane | 1.666 | 64 | 1724 | 1.339 | ug/l # | 82 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 3093 | 0.819 | ug/l | 92 |
| 8) Diethyl Ether | 2.136 | 74 | 1421 | 1.032 | ug/l | 75 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 1764 | 0.979 | ug/l | 94 |
| 12) 1,1-Dichloroethene | 2.300 | 96 | 1775 | 1.034 | ug/l # | 62 |
| 14) Allyl chloride | 2.654 | 41 | 2371 | 0.845 | ug/l | 87 |
| 15) Acrylonitrile | 3.063 | 53 | 4483 | 4.485 | ug/l | 95 |
| 16) Acetone | 2.386 | 43 | 5977 | 5.093 | ug/l # | 86 |
| 17) Carbon Disulfide | 2.502 | 76 | 3223 | 0.910 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 2775 | 1.015 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 5162 | 0.828 | ug/l | 94 |
| 20) Methylene Chloride | 2.782 | 84 | 2099 | 1.054 | ug/l # | 73 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 1624 | 0.916 | ug/l | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 4882 | 0.814 | ug/l # | 30 |
| 23) Vinyl Acetate | 3.727 | 43 | 18541 | 3.613 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.593 | 63 | 2919 | 0.844 | ug/l # | 94 |
| 25) 2-Butanone | 4.581 | 43 | 6676 | 4.408 | ug/l | 92 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 2687 | 0.860 | ug/l | 86 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 2007 | 0.916 | ug/l | 89 |
| 28) Bromochloromethane | 4.904 | 49 | 1494m | 0.981 | ug/l | |
| 29) Tetrahydrofuran | 5.013 | 42 | 4264 | 4.593 | ug/l | 95 |
| 30) Chloroform | 5.093 | 83 | 3187 | 0.856 | ug/l # | 76 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 2600 | 0.810 | ug/l # | 46 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 1993 | 0.859 | ug/l # | 80 |
| 37) Ethyl Acetate | 4.733 | 43 | 2692m | 0.935 | ug/l | |
| 38) Carbon Tetrachloride | 5.660 | 117 | 2287 | 0.877 | ug/l # | 78 |
| 39) Methylcyclohexane | 7.379 | 83 | 2835 | 0.941 | ug/l | 90 |
| 40) Benzene | 6.032 | 78 | 6312 | 0.873 | ug/l # | 84 |
| 41) Methacrylonitrile | 4.934 | 41 | 1141m | 0.774 | ug/l | |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 2602 | 0.896 | ug/l | 84 |
| 43) Isopropyl Acetate | 6.355 | 43 | 3881 | 0.847 | ug/l # | 90 |
| 44) Trichloroethene | 7.123 | 130 | 2850 | 1.393 | ug/l | 82 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 1503 | 0.849 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.580 | 93 | 1246 | 0.890 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.824 | 83 | 1819 | 0.724 | ug/l | # | 93 |
| 48) Methyl methacrylate | 7.702 | 41 | 2017m | 0.917 | ug/l | | |
| 49) 1,4-Dioxane | 7.671 | 88 | 613 | 16.166 | ug/l | # | 50 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 11392 | 4.073 | ug/l | | 96 |
| 52) Toluene | 8.714 | 92 | 3313 | 0.766 | ug/l | | 82 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1776 | 0.694 | ug/l | # | 86 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 2132 | 0.759 | ug/l | # | 84 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1496 | 0.838 | ug/l | # | 85 |
| 56) Ethyl methacrylate | 9.122 | 69 | 1973 | 0.709 | ug/l | # | 82 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 2502 | 0.832 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 4135 | 2.662 | ug/l | | 93 |
| 59) 2-Hexanone | 9.439 | 43 | 7726 | 3.675 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 1296 | 0.723 | ug/l | | 93 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1342 | 0.743 | ug/l | # | 80 |
| 64) Tetrachloroethene | 9.269 | 164 | 1329 | 0.924 | ug/l | | 88 |
| 65) Chlorobenzene | 10.073 | 112 | 4585 | 0.957 | ug/l | # | 86 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 1136 | 0.731 | ug/l | # | 66 |
| 67) Ethyl Benzene | 10.195 | 91 | 6890 | 0.848 | ug/l | # | 86 |
| 68) m/p-Xylenes | 10.305 | 106 | 5324 | 1.758 | ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 2370 | 0.801 | ug/l | | 95 |
| 70) Styrene | 10.665 | 104 | 3751 | 0.767 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 632 | 1.756 | ug/l | # | 87 |
| 73) Isopropylbenzene | 10.964 | 105 | 6379 | 0.894 | ug/l | | 94 |
| 74) N-amyl acetate | 10.848 | 43 | 2319 | 0.701 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 2224 | 0.910 | ug/l | | 83 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 1603m | 0.801 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 1475 | 0.866 | ug/l | | 94 |
| 78) n-propylbenzene | 11.305 | 91 | 6810 | 0.854 | ug/l | | 95 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 4618 | 0.916 | ug/l | | 92 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5022 | 0.855 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 4940 | 0.868 | ug/l | | 94 |
| 83) tert-Butylbenzene | 11.713 | 119 | 4794 | 0.824 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 4748 | 0.812 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 5787 | 0.812 | ug/l | | 94 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 4187 | 0.723 | ug/l | | 87 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 2934 | 0.946 | ug/l | | 93 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 3212m | 1.020 | ug/l | | |
| 89) n-Butylbenzene | 12.335 | 91 | 3522 | 0.690 | ug/l | | 93 |
| 90) Hexachloroethane | 12.536 | 117 | 835 | 0.848 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 2796 | 0.893 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.957 | 75 | 395 | 0.807 | ug/l | | 65 |
| 93) 1,2,4-Trichlorobenzene | 13.597 | 180 | 1576 | 0.854 | ug/l | | 78 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 709 | 0.972 | ug/l | | 89 |
| 95) Naphthalene | 13.780 | 128 | 4837 | 0.728 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1398 | 0.749 | ug/l | | 81 |

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

ICAL Form

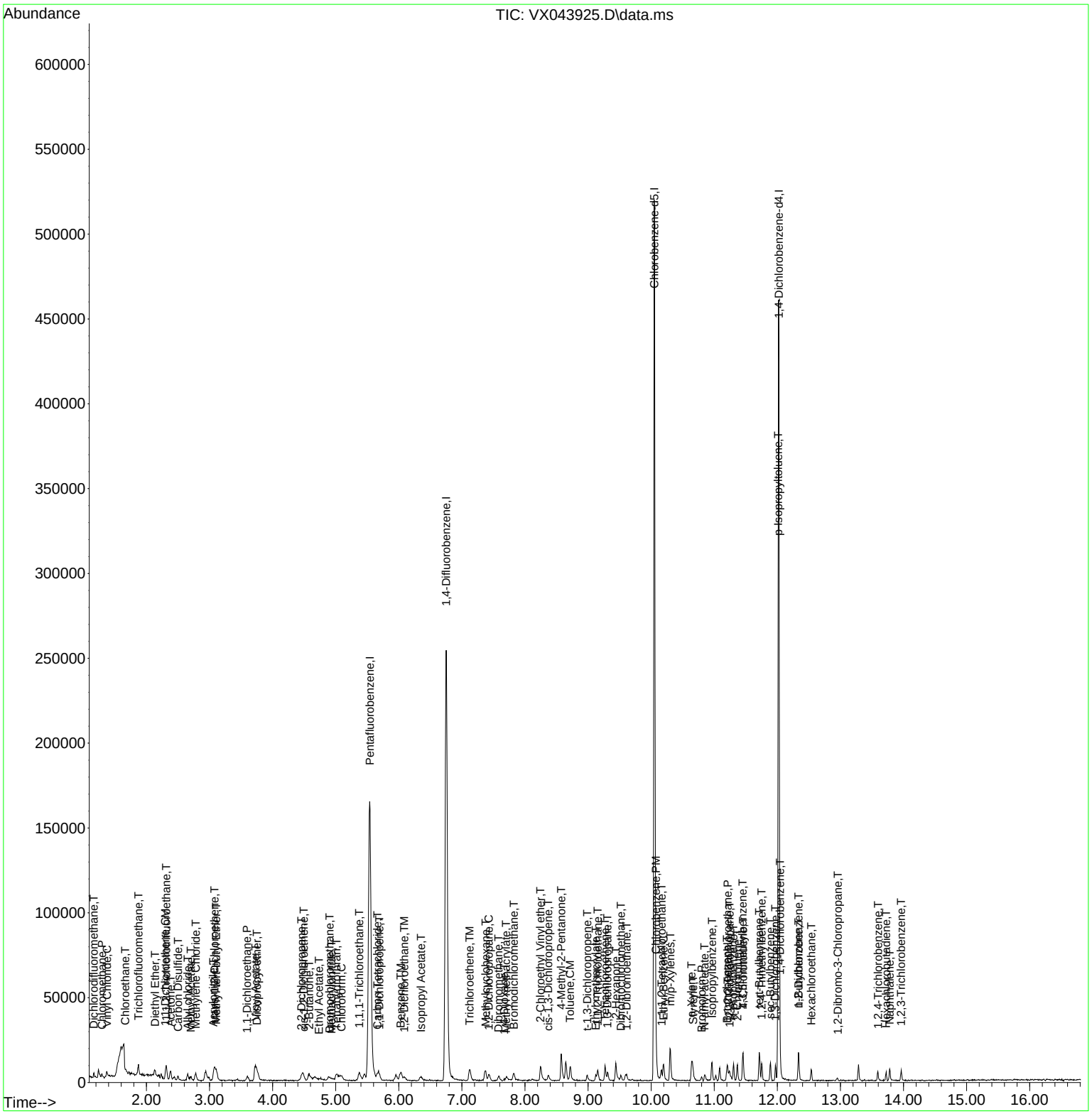
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

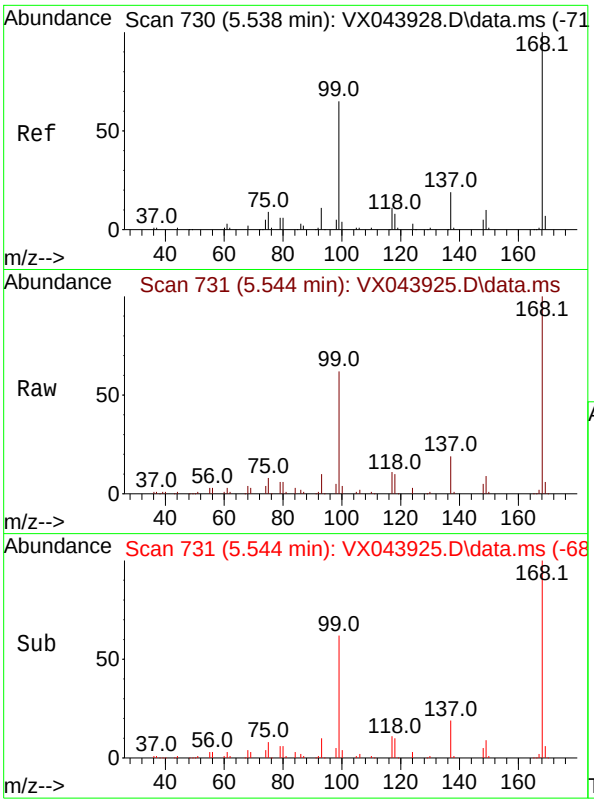
Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

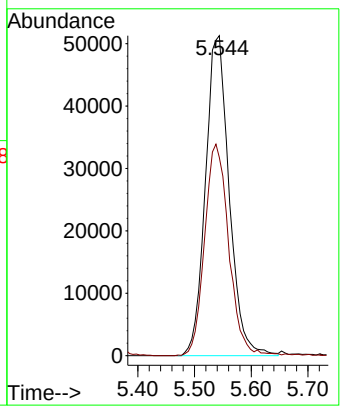





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:168 Resp: 14898

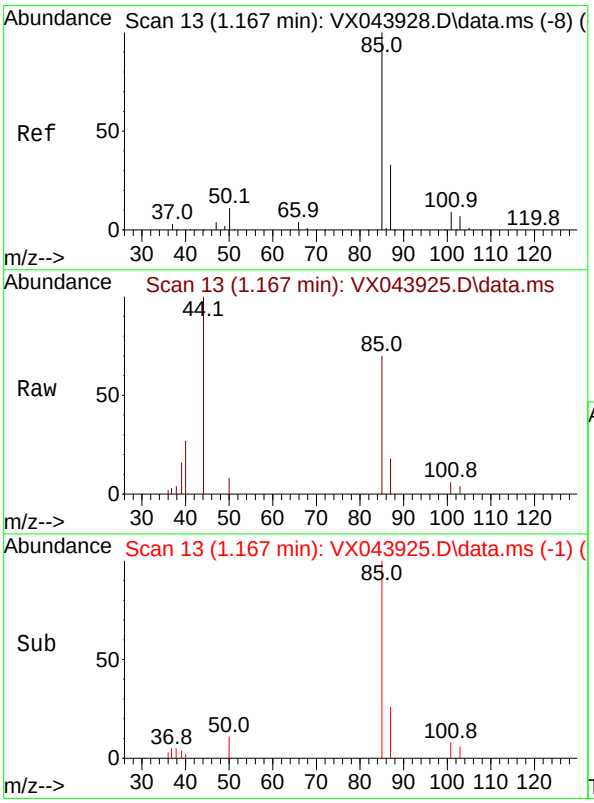
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.8 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

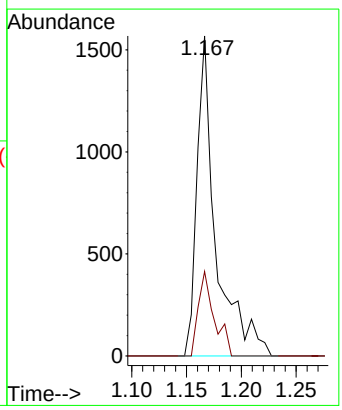
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

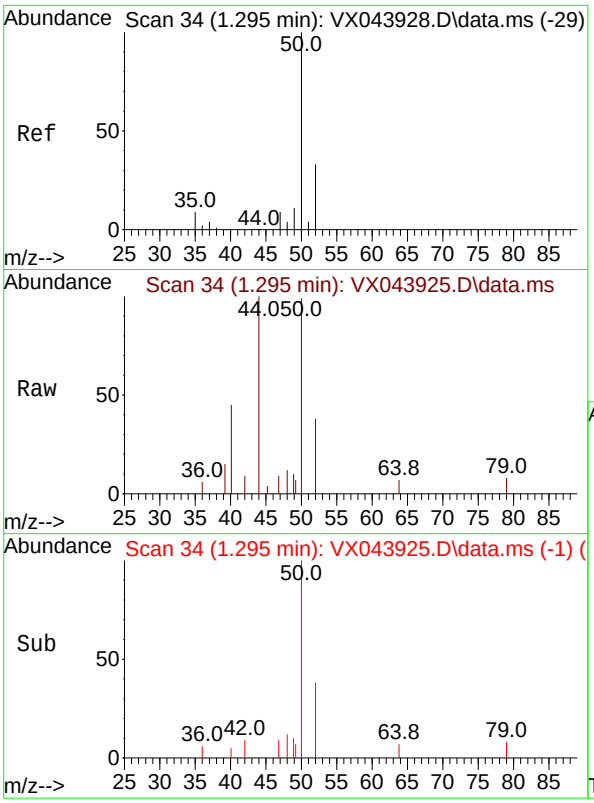



#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 26.4 | 16.6 | 49.8 |

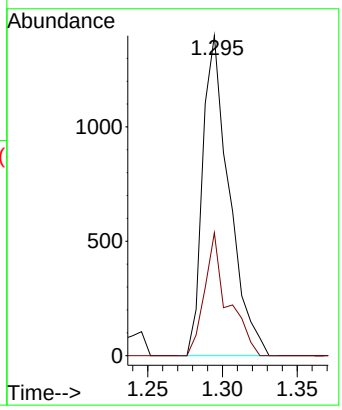





#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 50 Resp: 172

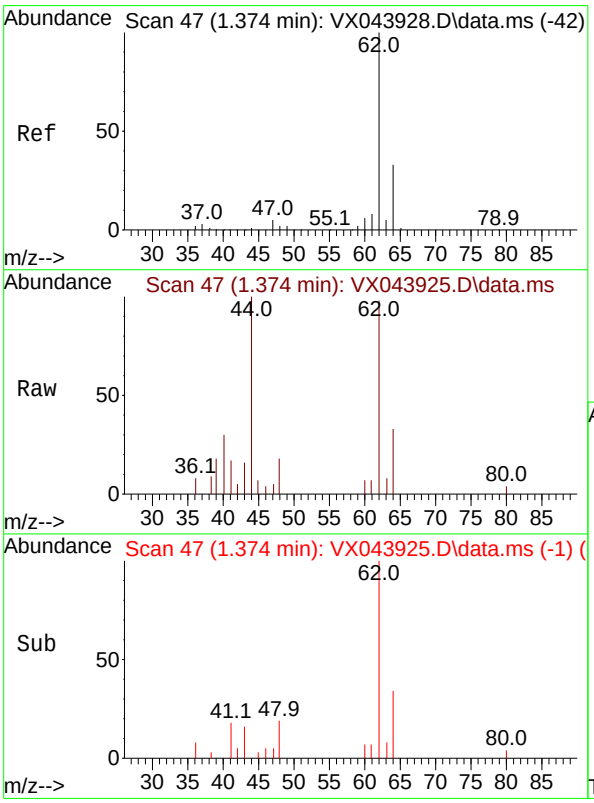
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 38.4 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

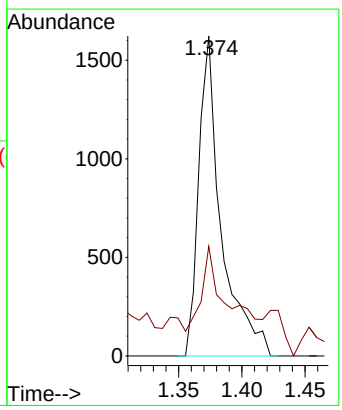
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

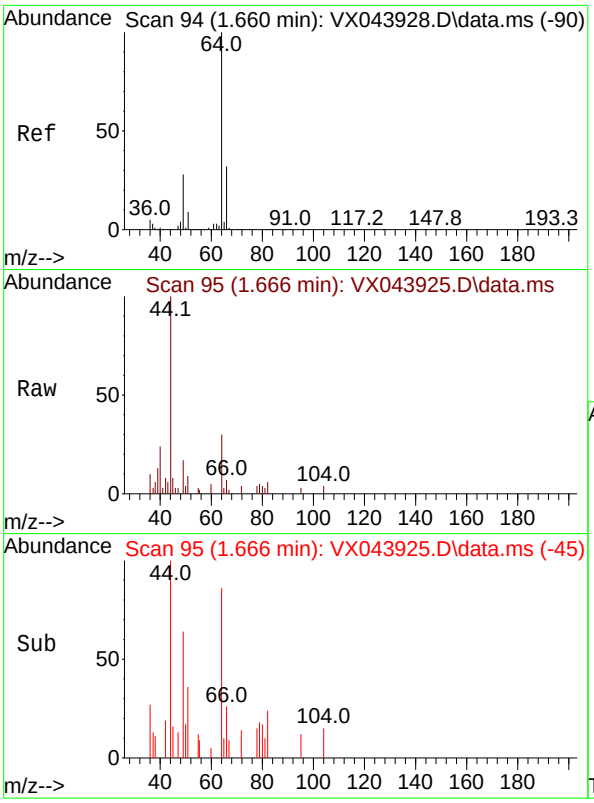



#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 22.4 | 26.2 | 39.4# |

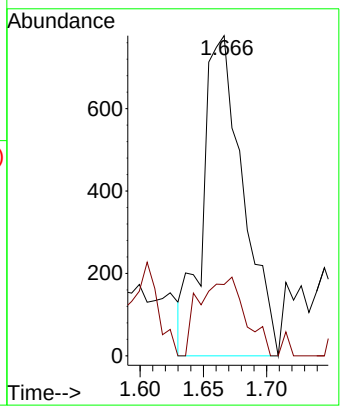





#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 172

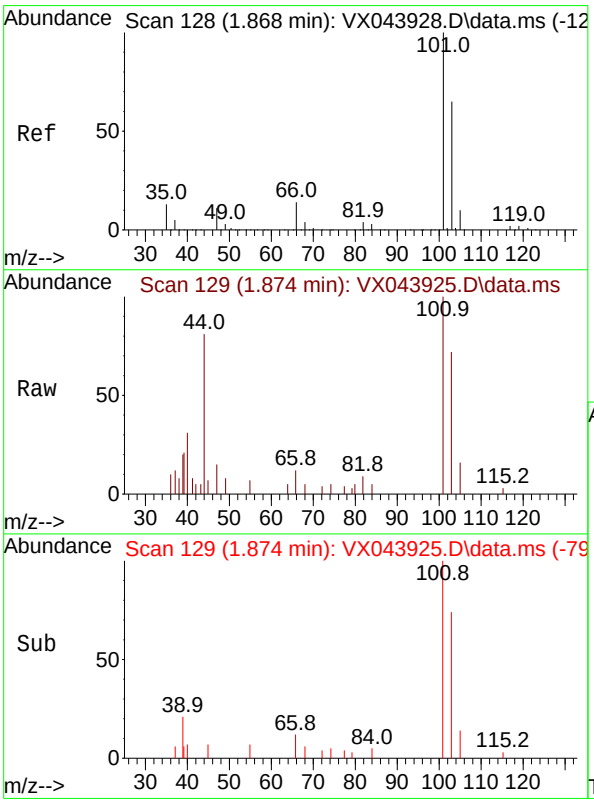
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 22.3 | 25.9 | 38.9# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations APPROVED**

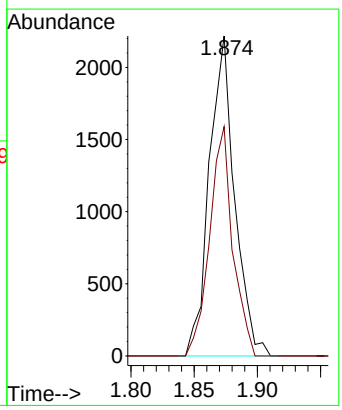
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

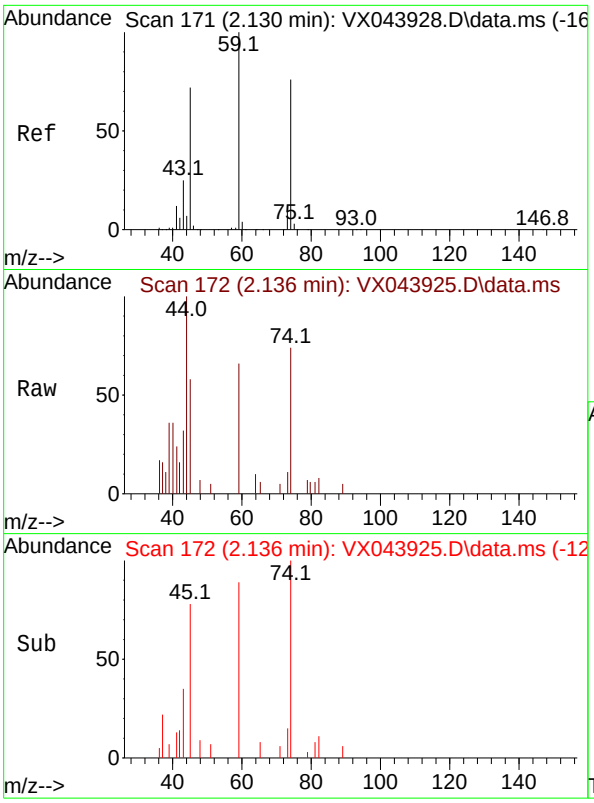



#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 129
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.6 | 52.2 | 78.2 |






#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

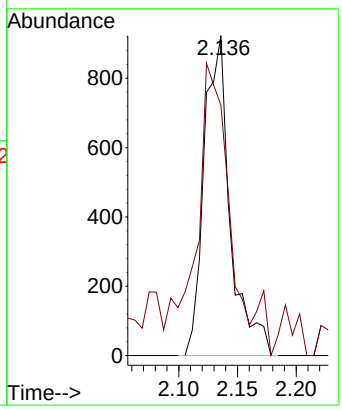
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

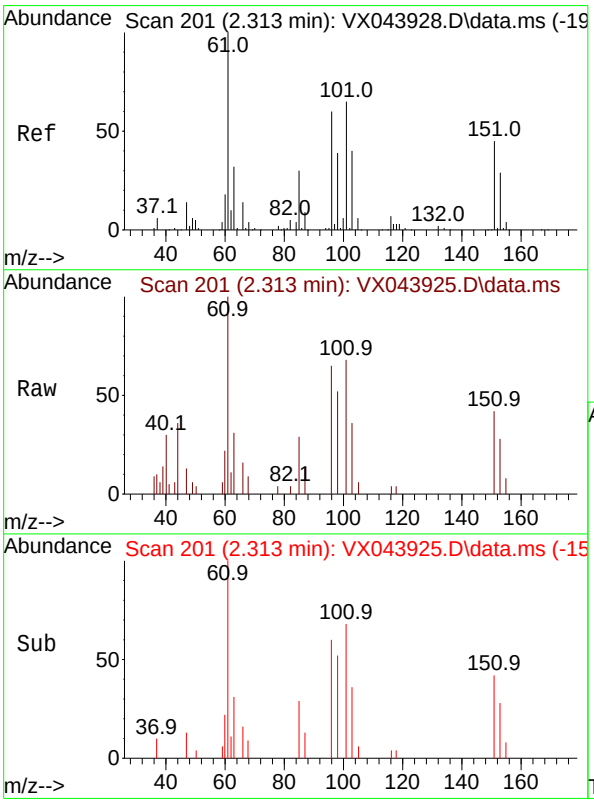
Tgt Ion: 74 Resp: 142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 120.1 | 47.9 | 143.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

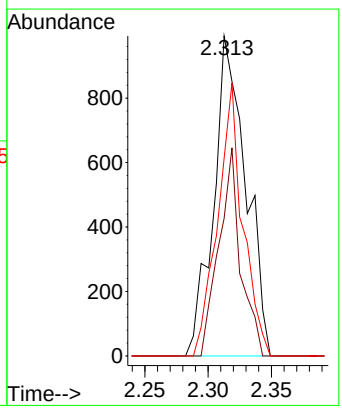


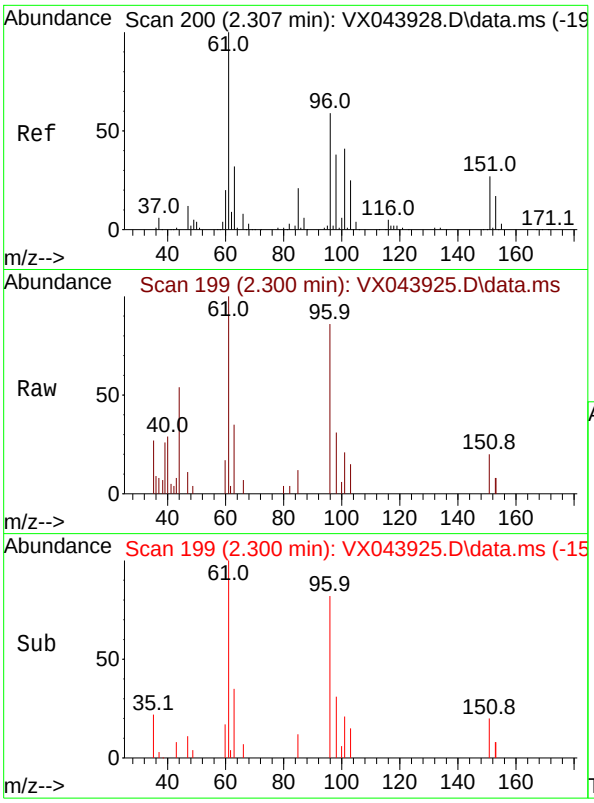




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 1764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.5 | 37.9 | 56.9 |
| 151 | 66.1 | 57.5 | 86.3 |

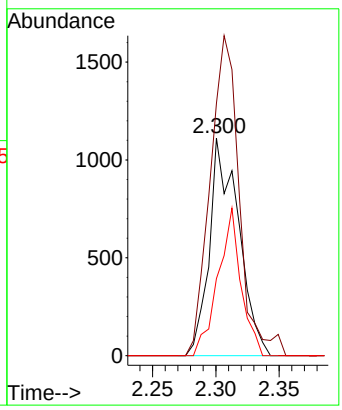





#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 177

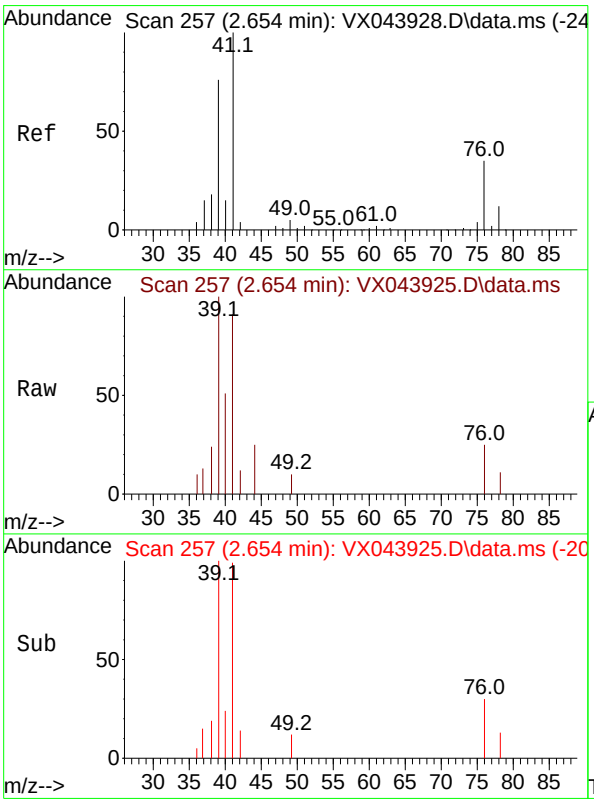
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.9 | 135.5 | 203.3# |
| 98 | 35.4 | 50.8 | 76.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

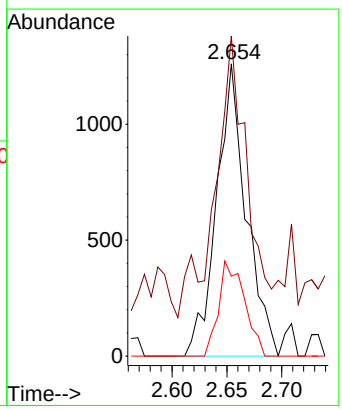
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

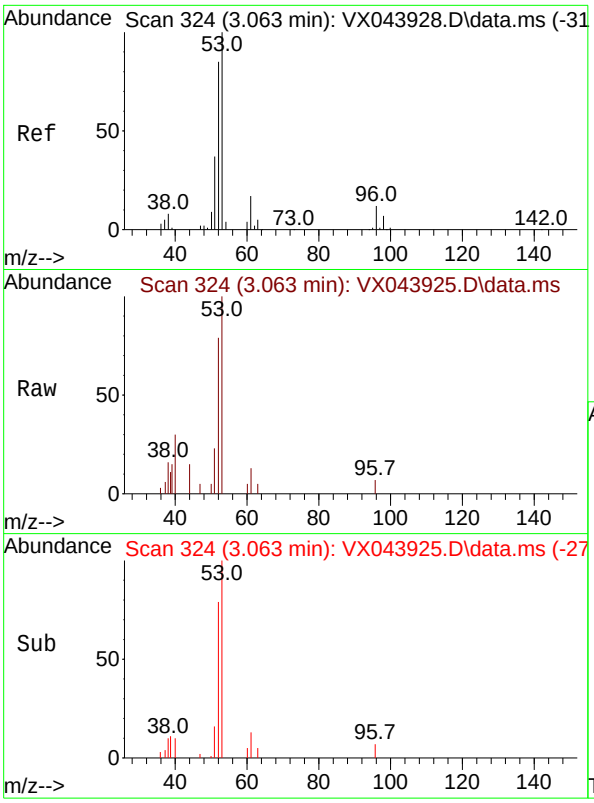



#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 85.9 | 59.5 | 89.3 |
| 76 | 28.3 | 27.4 | 41.2 |

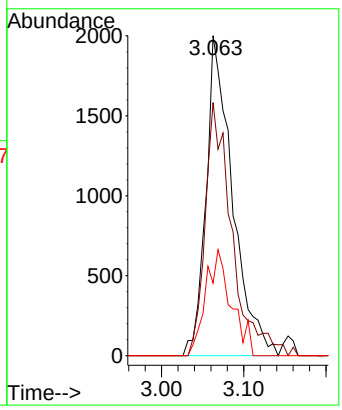





#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 53 Resp: 448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.0 | 66.5 | 99.7 |
| 51 | 31.9 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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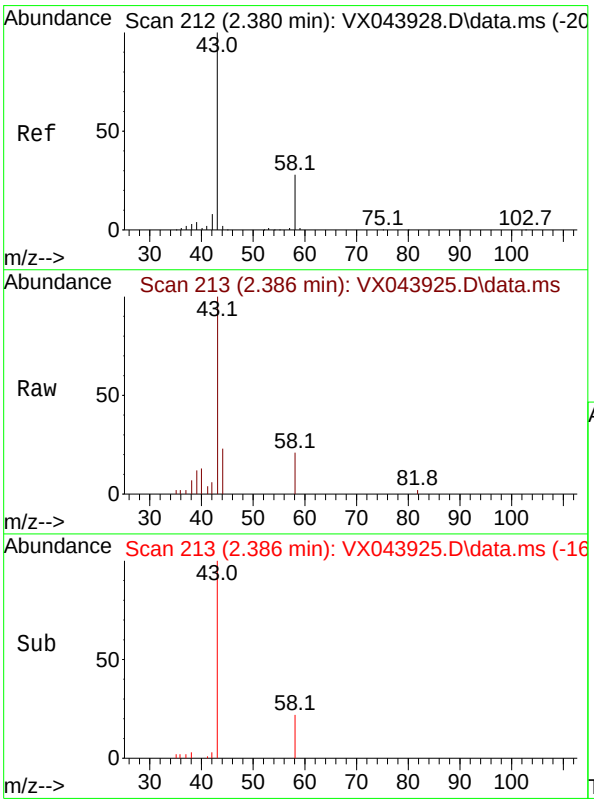
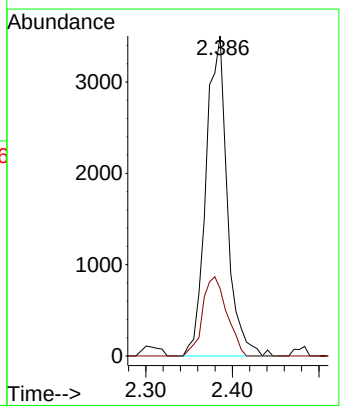
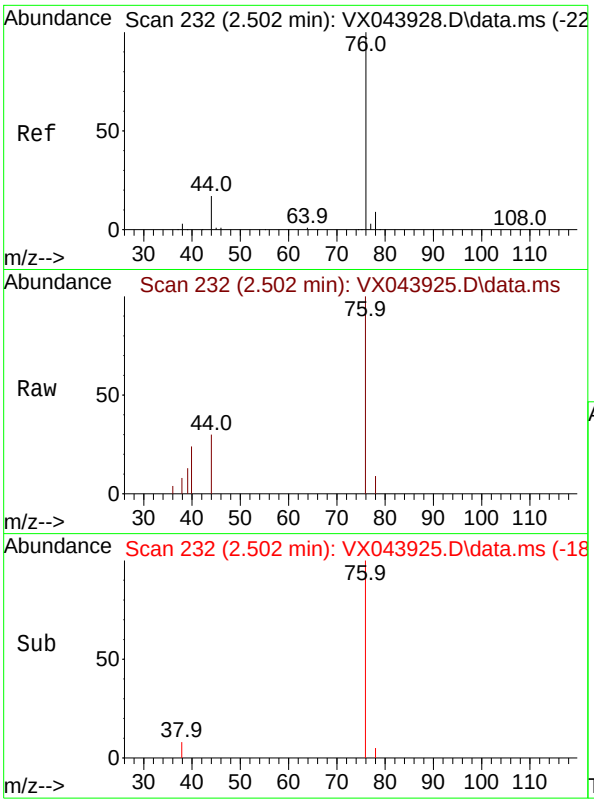



#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.1 | 22.7 | 34.1# |






#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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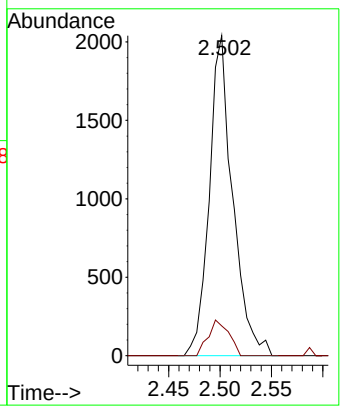
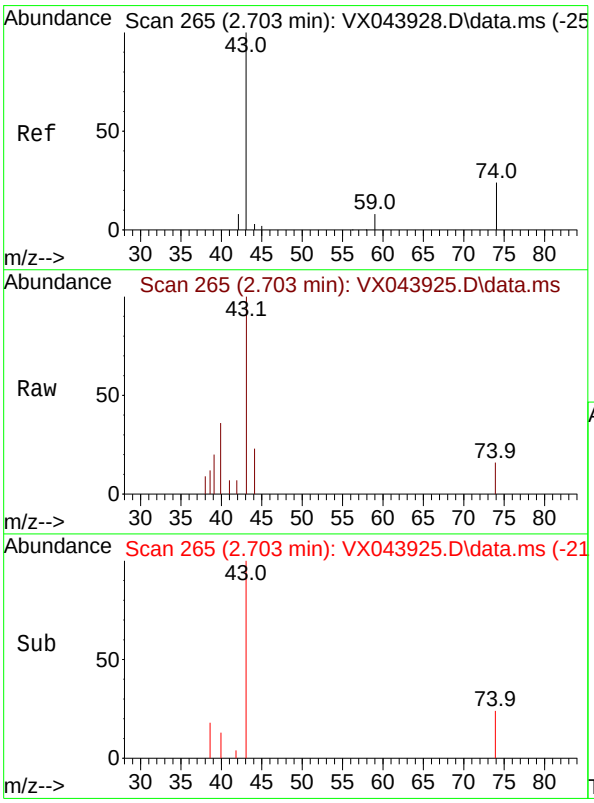
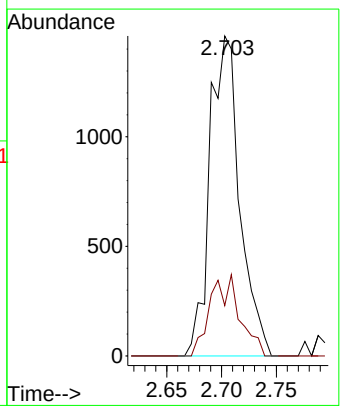


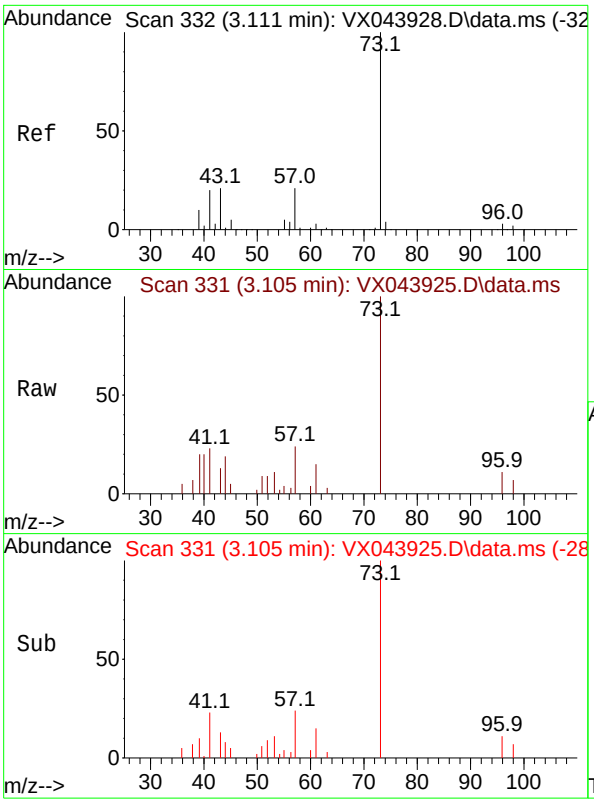




#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 18.9 | 28.3 |

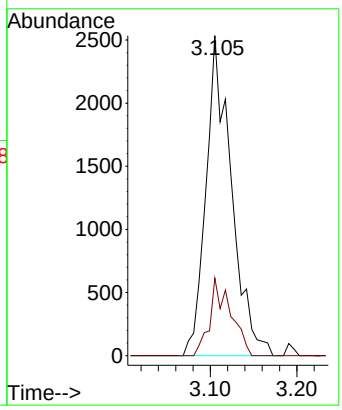





#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 73 Resp: 516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.3 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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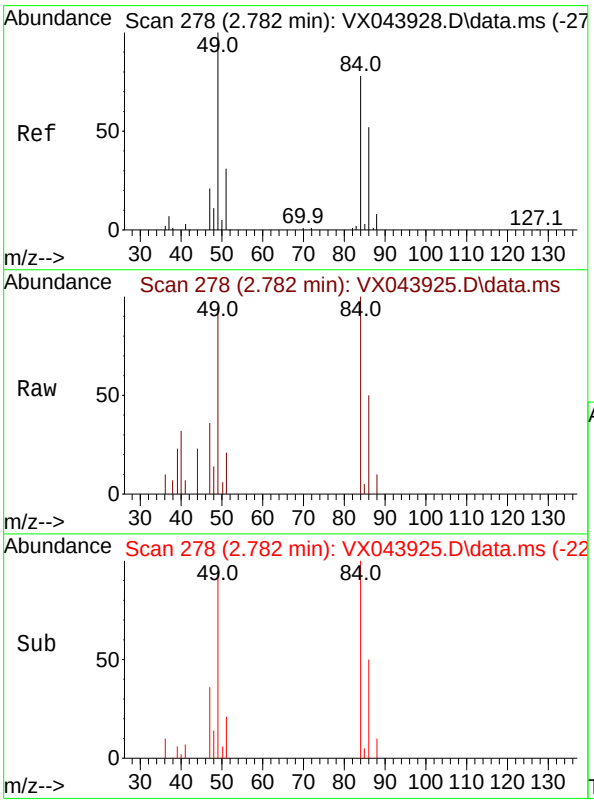
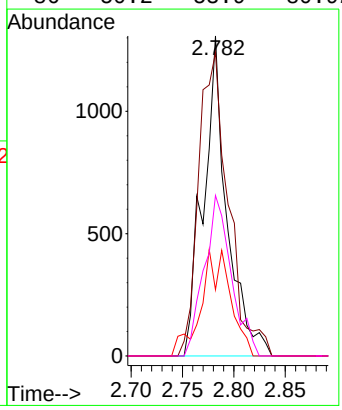
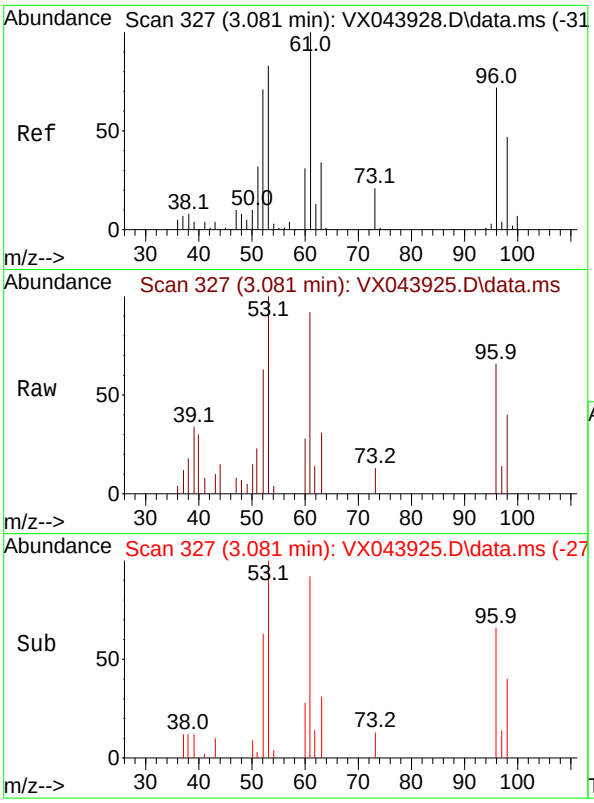



#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 94.8 | 102.7 | 154.1# |
| 51 | 20.7 | 31.7 | 47.5# |
| 86 | 50.2 | 53.9 | 80.9# |

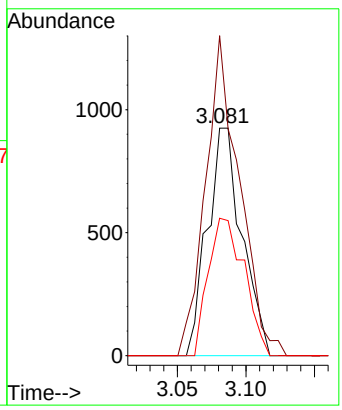





#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.6 | 111.8 | 167.6 |
| 98 | 60.4 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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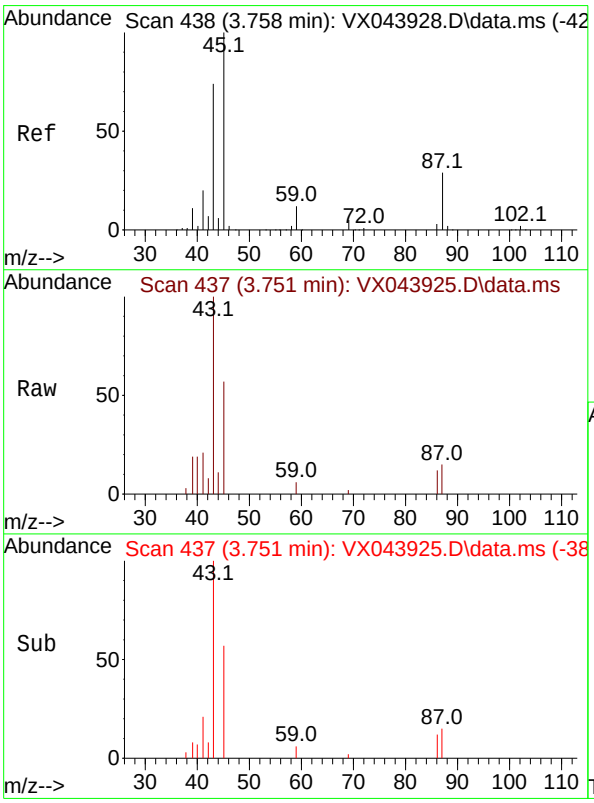
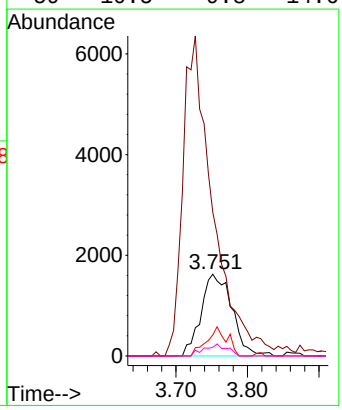
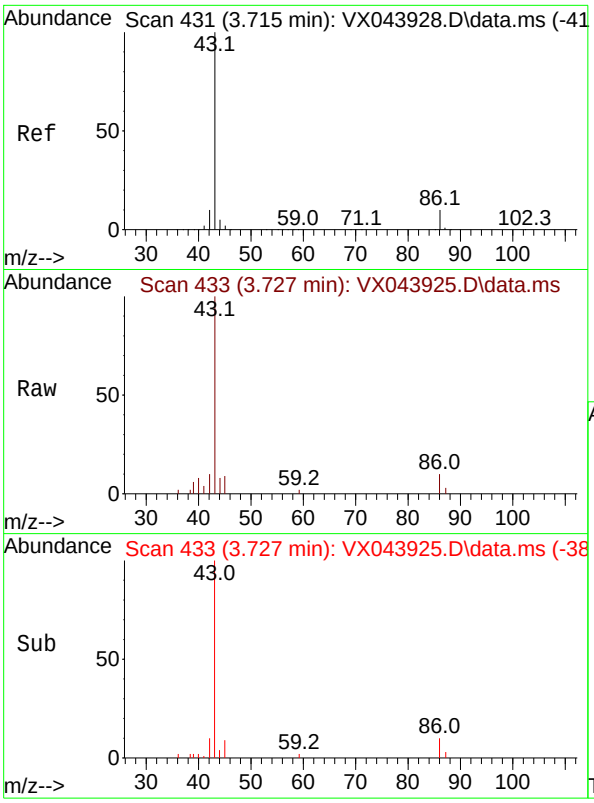



#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 164.2 | 59.6 | 89.4# |
| 87 | 25.6 | 22.9 | 34.3 |
| 59 | 10.5 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 1854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.7 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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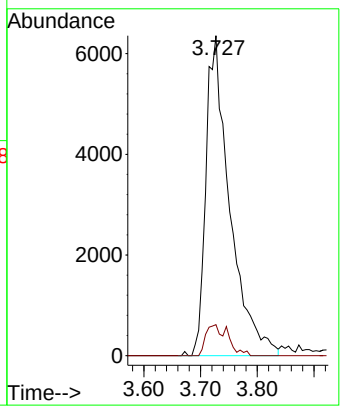
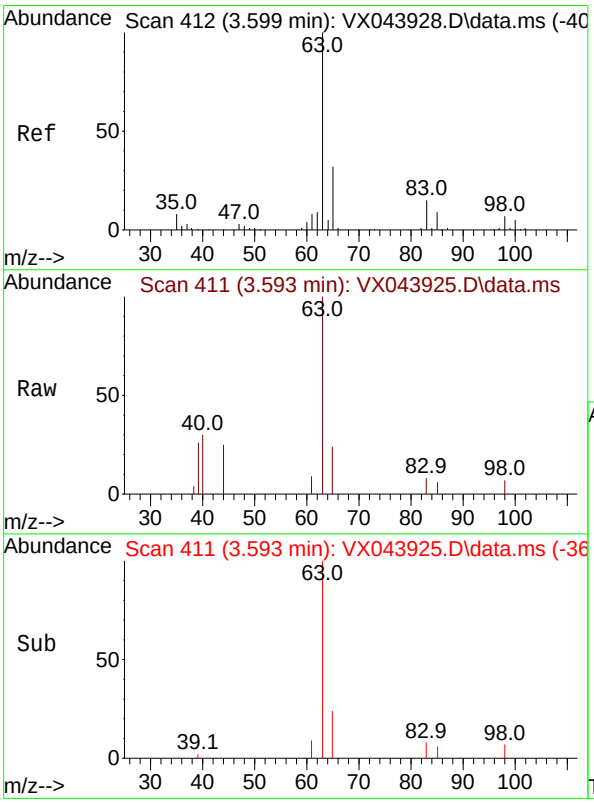
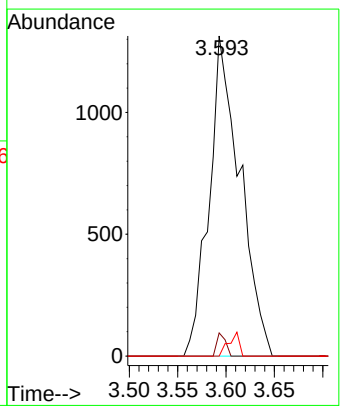


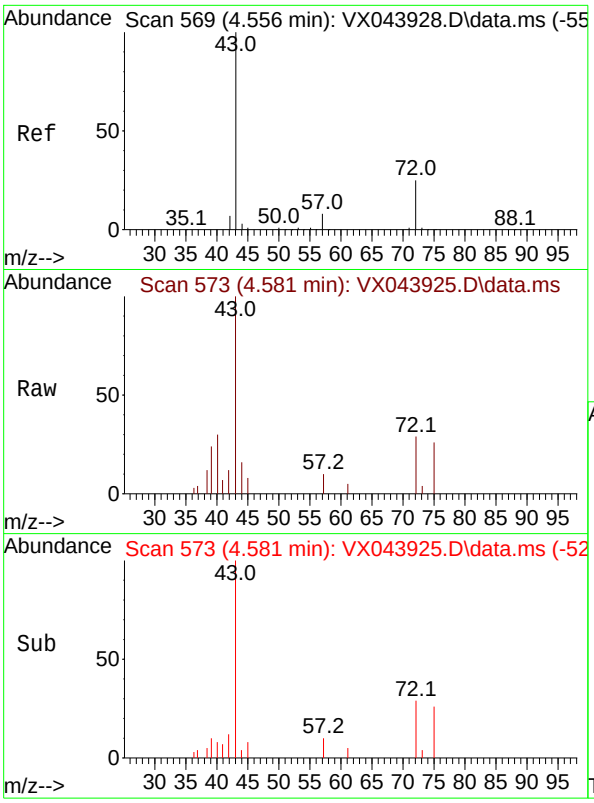




#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 0.0 | 2.4 | 7.1# |






#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.1 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

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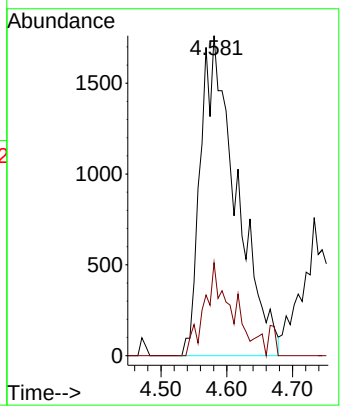
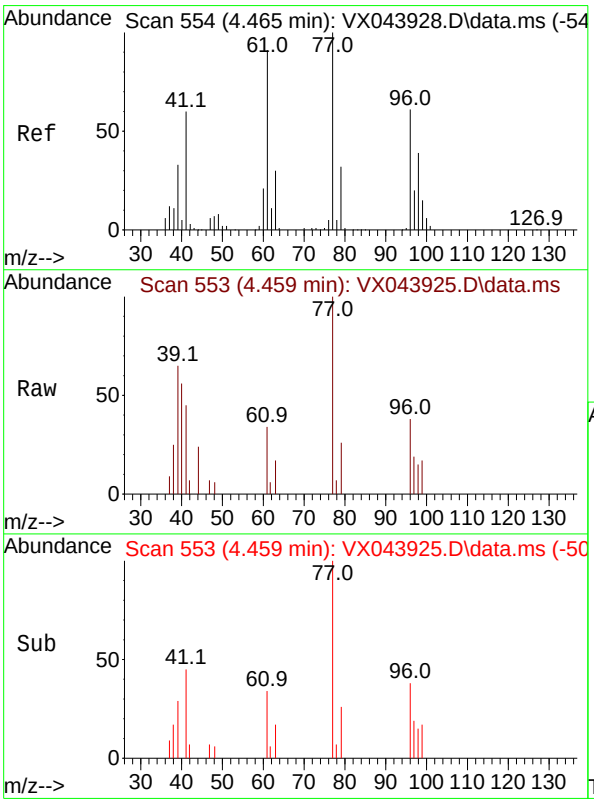
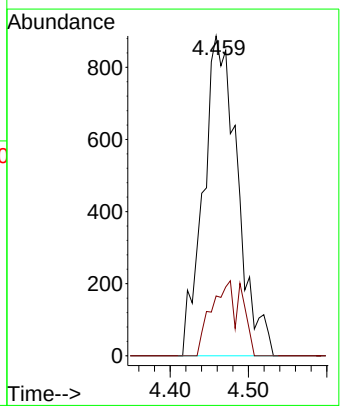


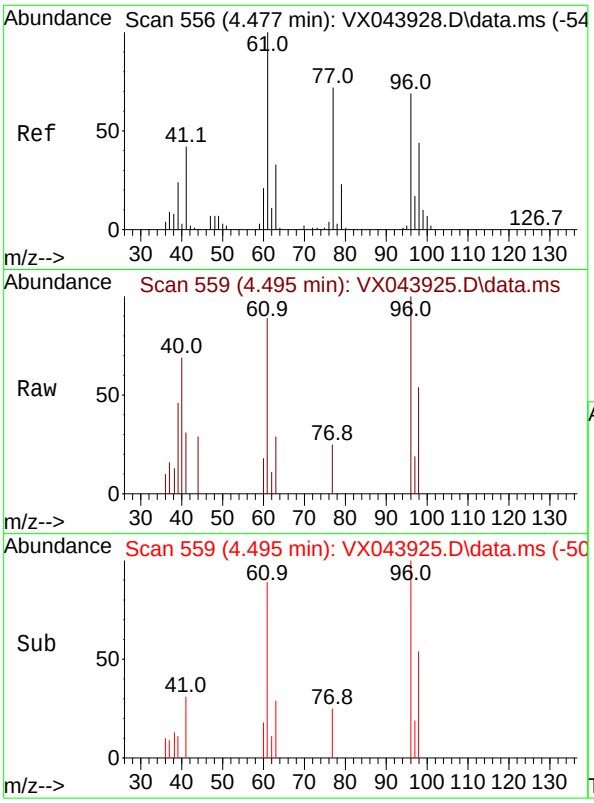




#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 15.1 | 10.8 | 32.3 |

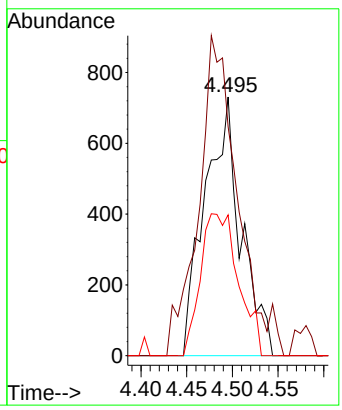





#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.7 | 0.0 | 297.4 |
| 98 | 57.8 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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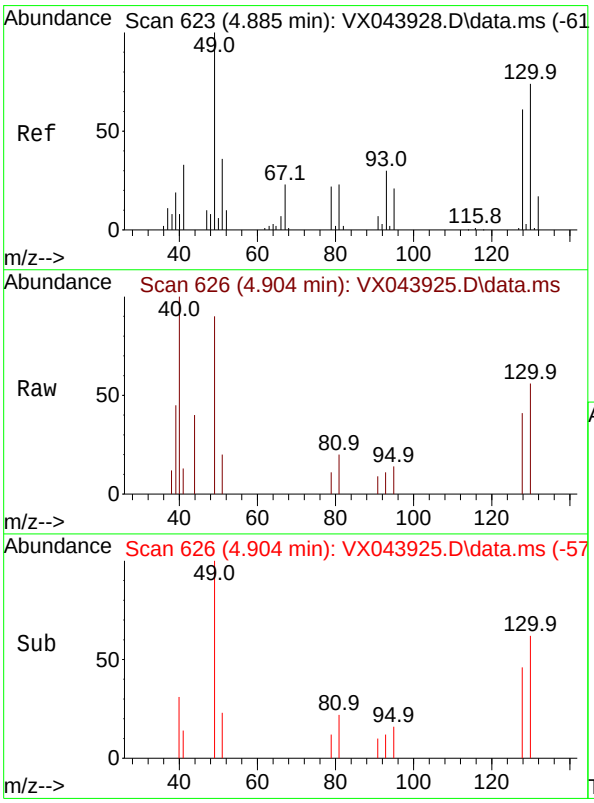
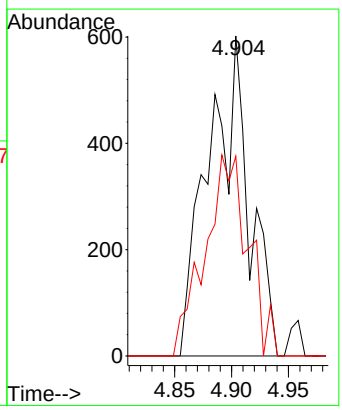
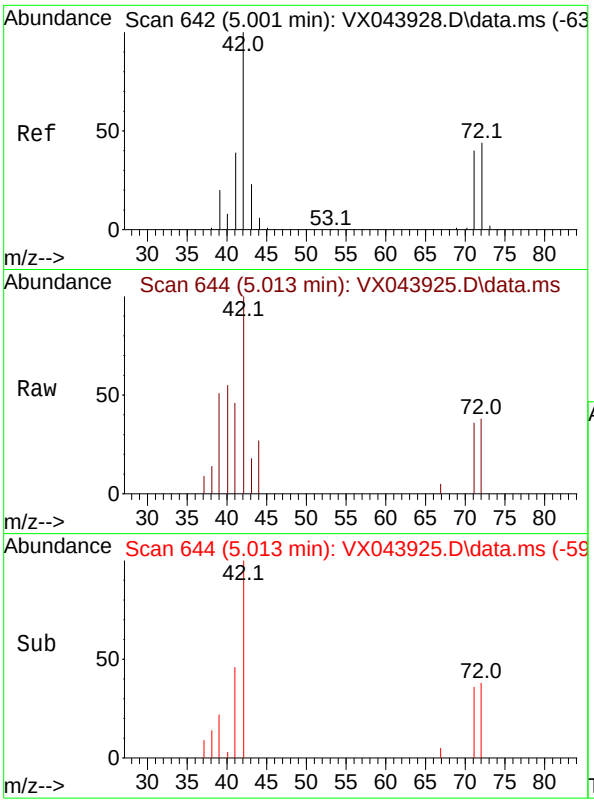



#28
Bromochloromethane
Concen: 0.981 ug/l m
RT: 4.904 min Scan# 626
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 1494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 66.9 | 59.0 | 88.6 |






#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 42 Resp: 426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 36.4 | 54.6 |
| 71 | 36.6 | 33.4 | 50.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

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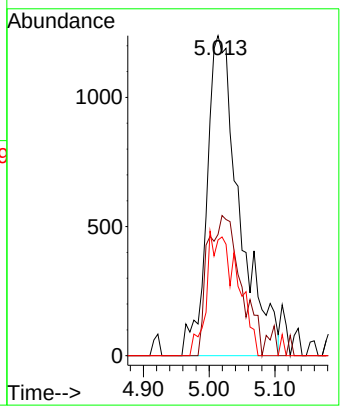
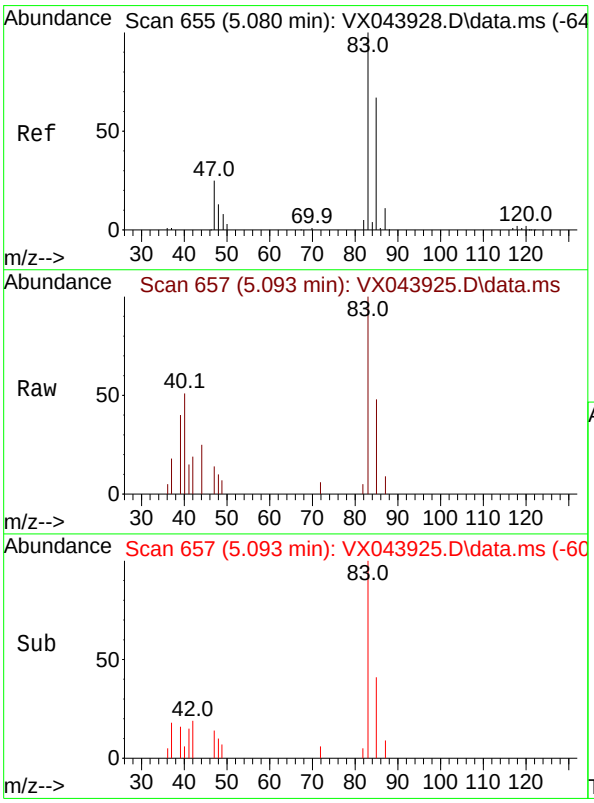
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

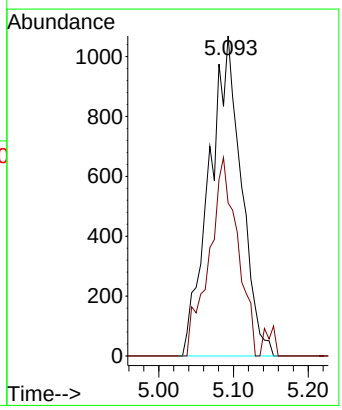


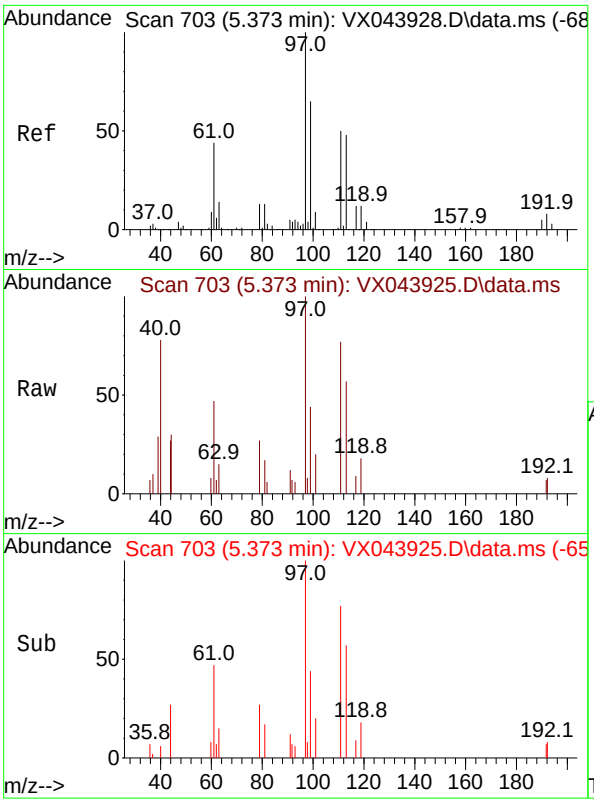




#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.8 | 53.5 | 80.3# |






#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

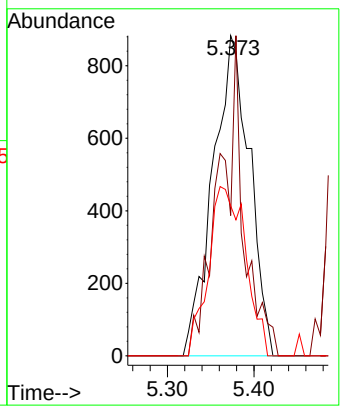
Tgt Ion: 97 Resp: 260(

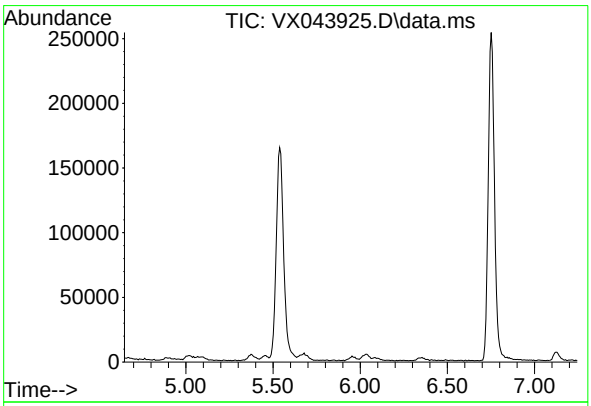
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.8 | 76.2# |
| 61 | 53.3 | 35.4 | 53.2# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



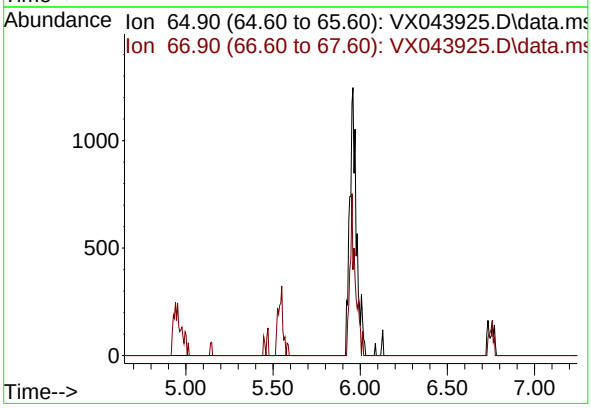



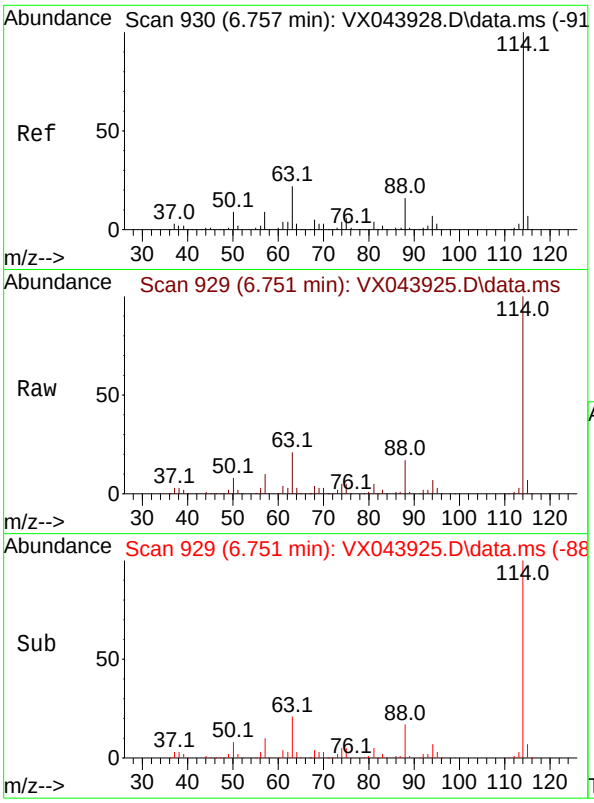

#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 50.4 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:114 Resp: 26056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 32.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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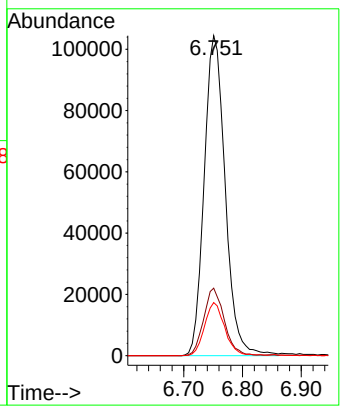
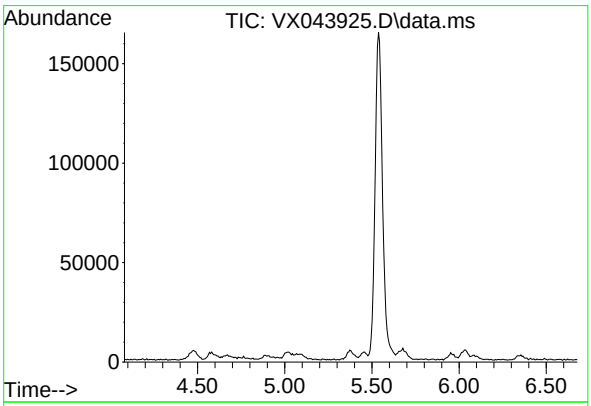


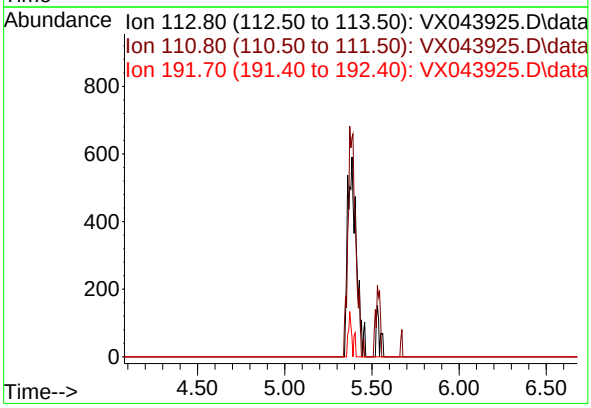



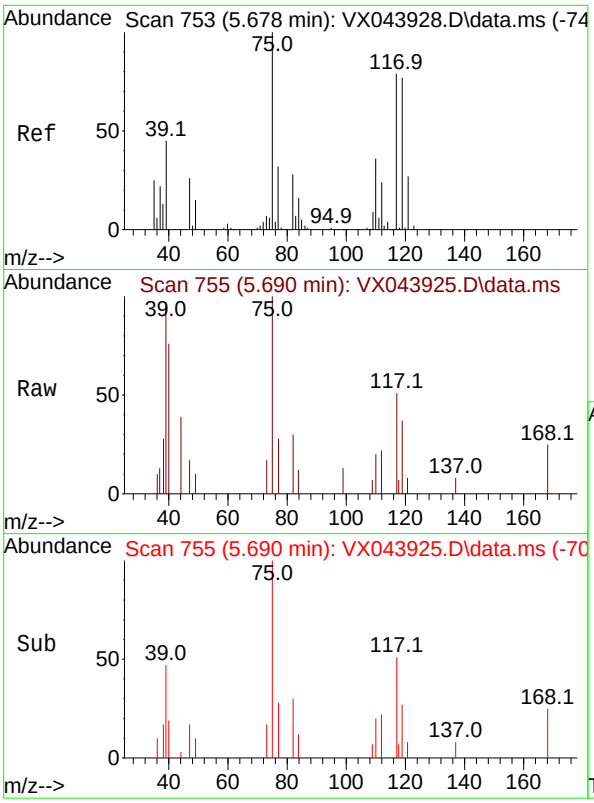

#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 101.2 |
| 192 | 16.3 |

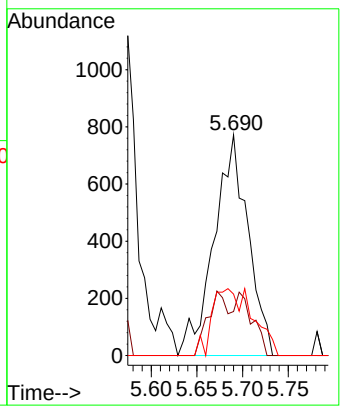





#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 199

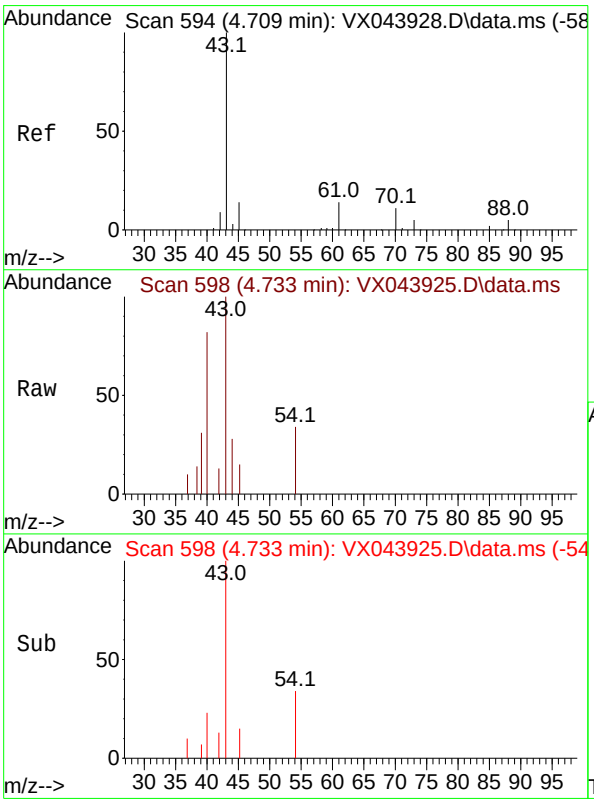
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 16.7 | 17.4 | 52.2# |
| 77 | 36.6 | 25.8 | 38.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

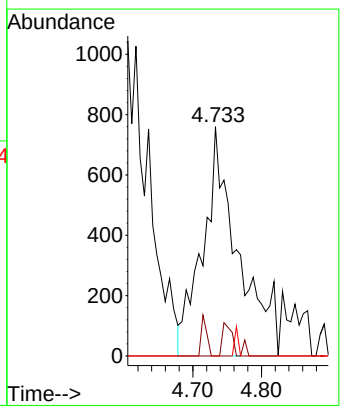
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

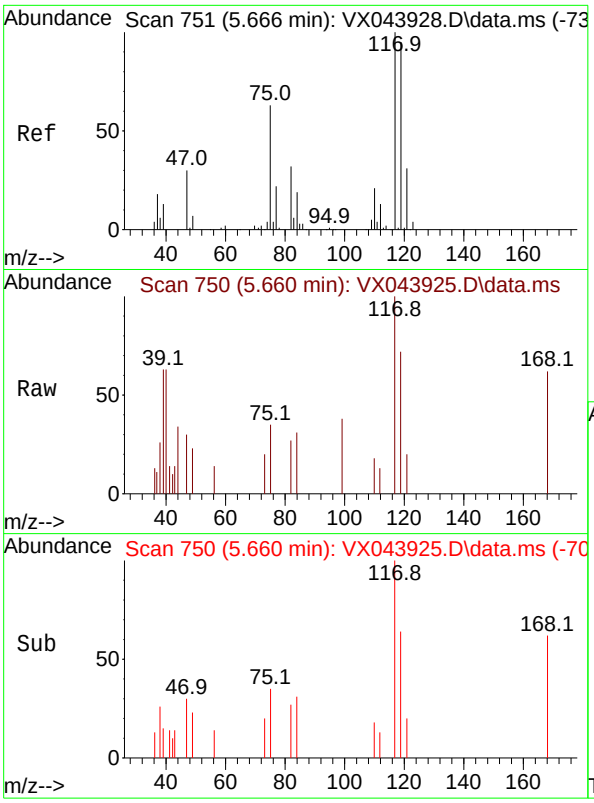



#37
Ethyl Acetate
Concen: 0.935 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 3.8 | 10.7 | 16.1# |
| 70 | 0.0 | 8.0 | 12.0# |






#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 72.4 | 75.2 | 112.8# |
| 121 | 19.7 | 24.5 | 36.7# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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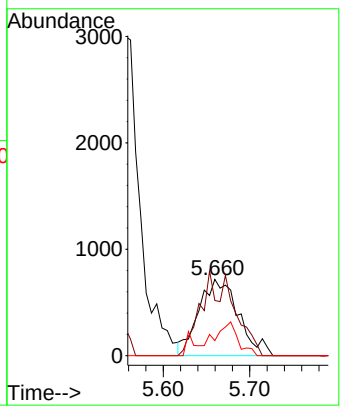
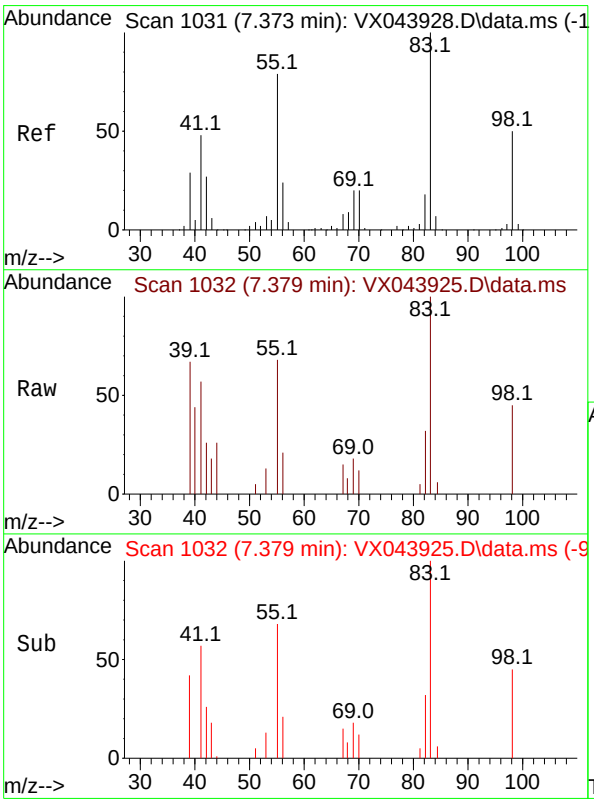
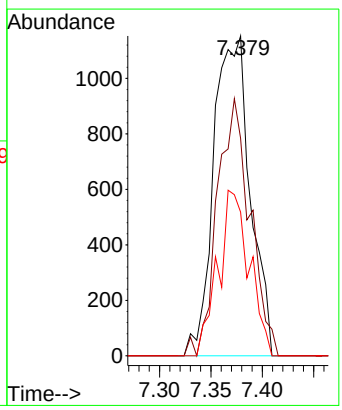


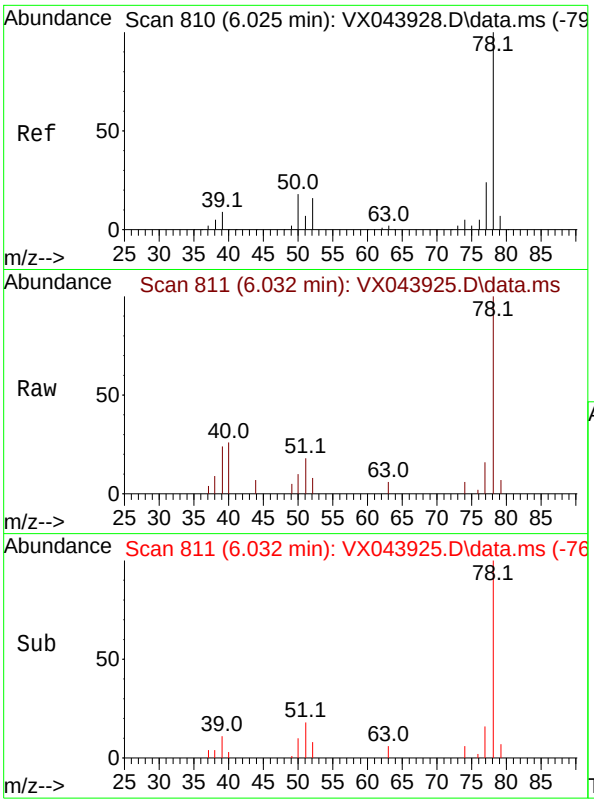




#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 68.0 | 63.1 | 94.7 |
| 98 | 44.9 | 40.0 | 60.0 |






#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 16.3 | 19.2 | 28.8# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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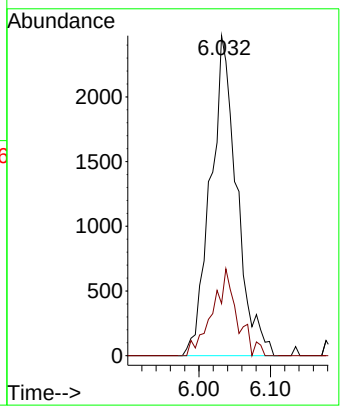
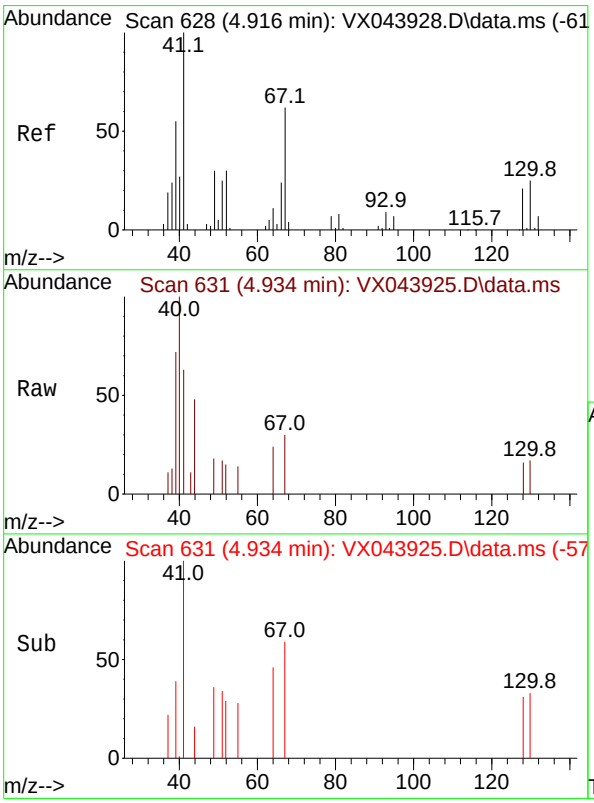
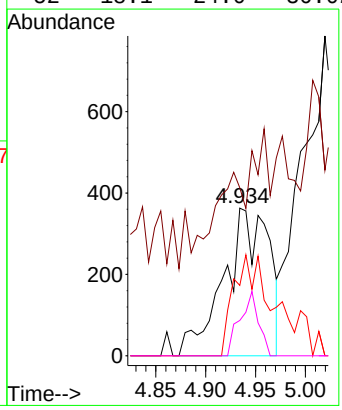


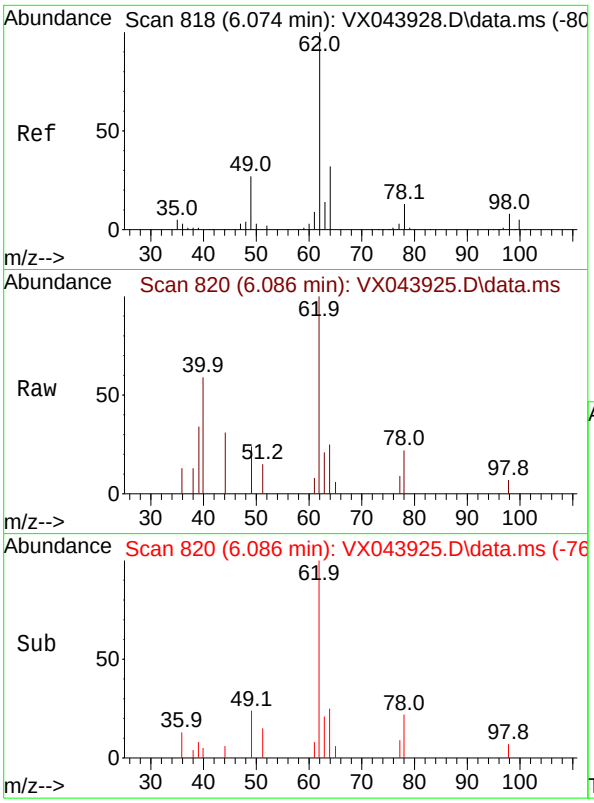




#41
Methacrylonitrile
Concen: 0.774 ug/l m
RT: 4.934 min Scan# 631
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 22.2 | 41.7 | 62.5# |
| 67 | 57.0 | 55.8 | 83.8 |
| 52 | 18.1 | 24.0 | 36.0# |






#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 2.5 | 0.0 | 16.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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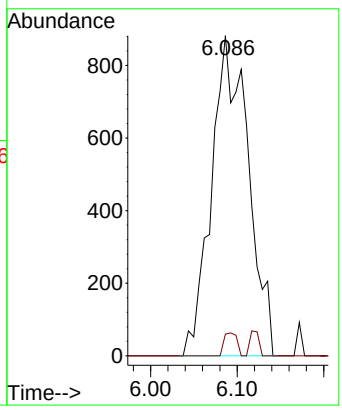
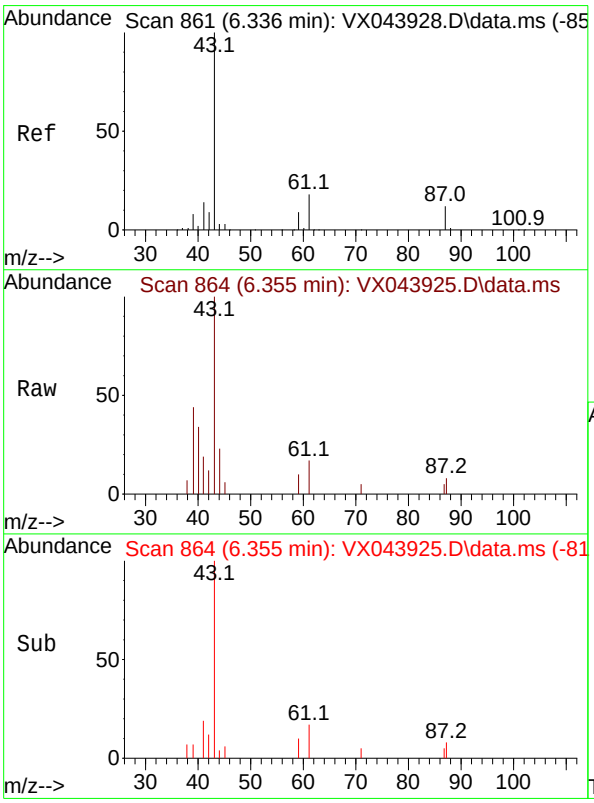
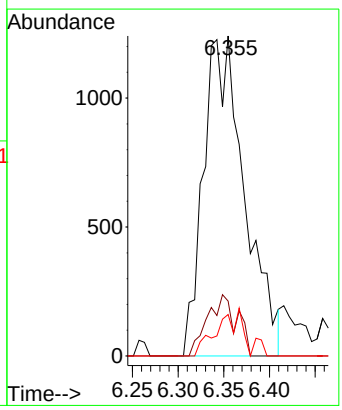


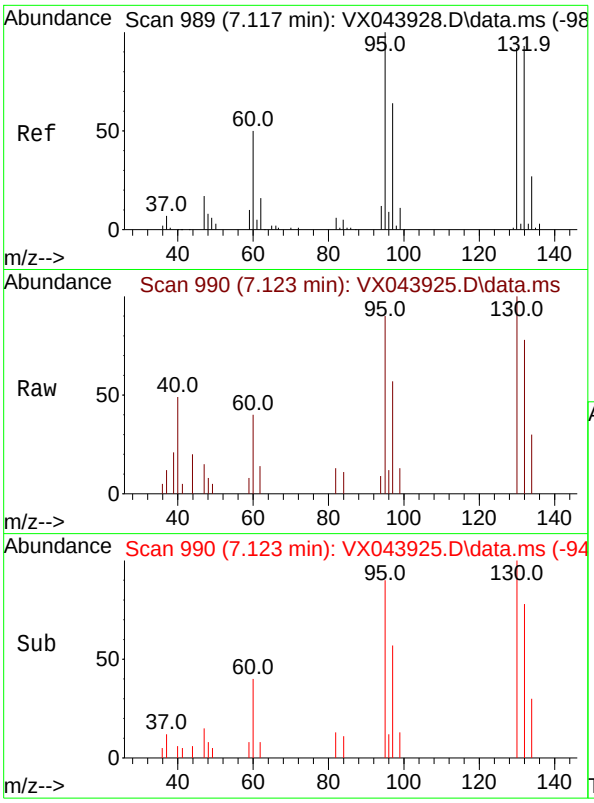




#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 3881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 14.5 | 21.7# |
| 87 | 8.9 | 10.2 | 15.2# |






#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 90.0 | 0.0 | 217.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
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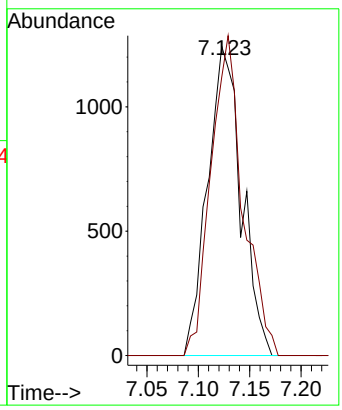
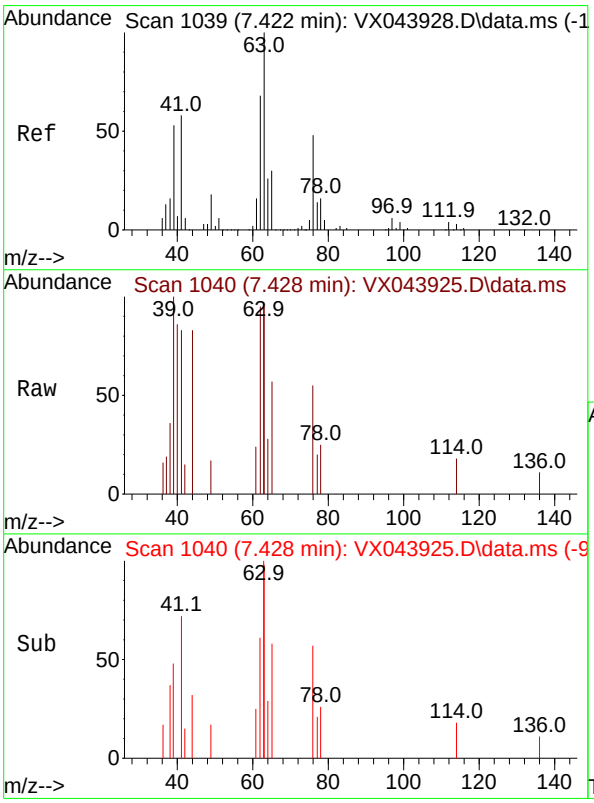
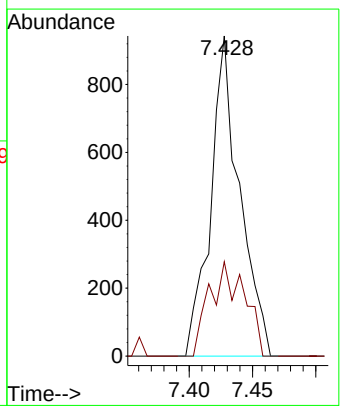


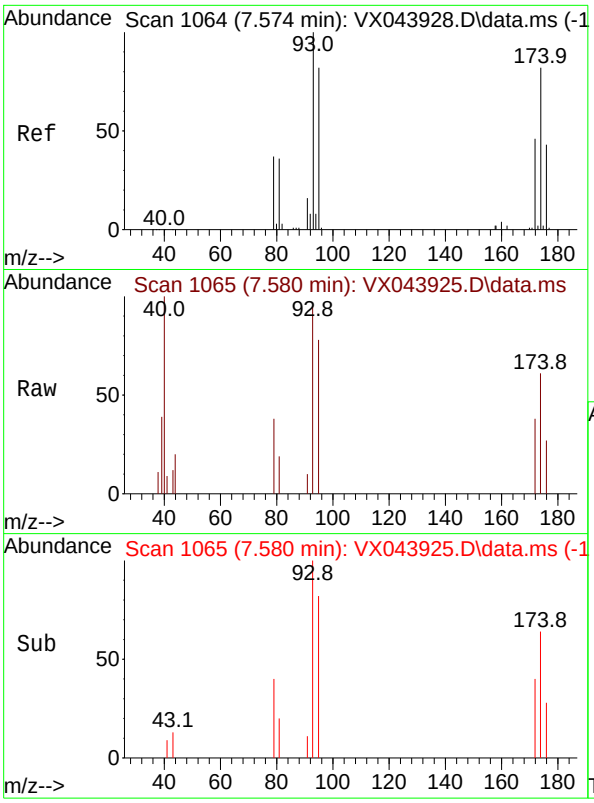




#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 1503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 23.8 | 35.6 |

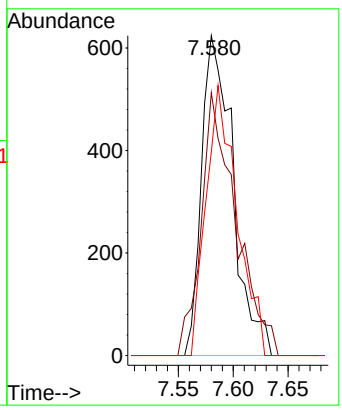





#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 124

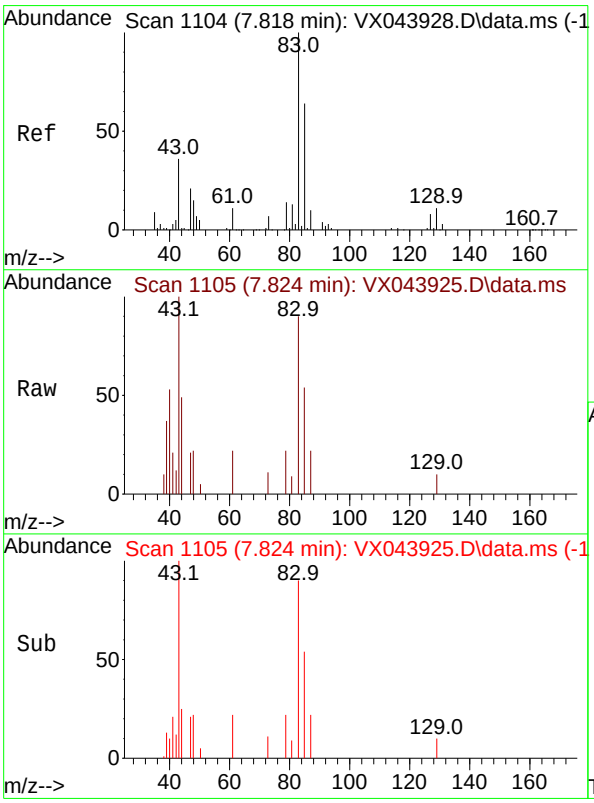
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 90.4 | 66.2 | 99.4 |
| 174 | 83.1 | 69.6 | 104.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

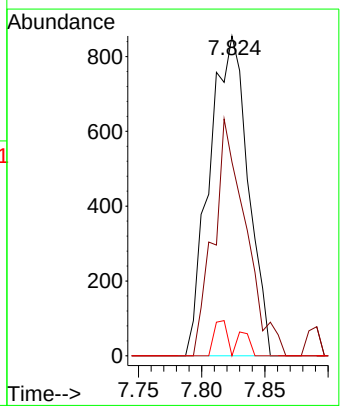
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

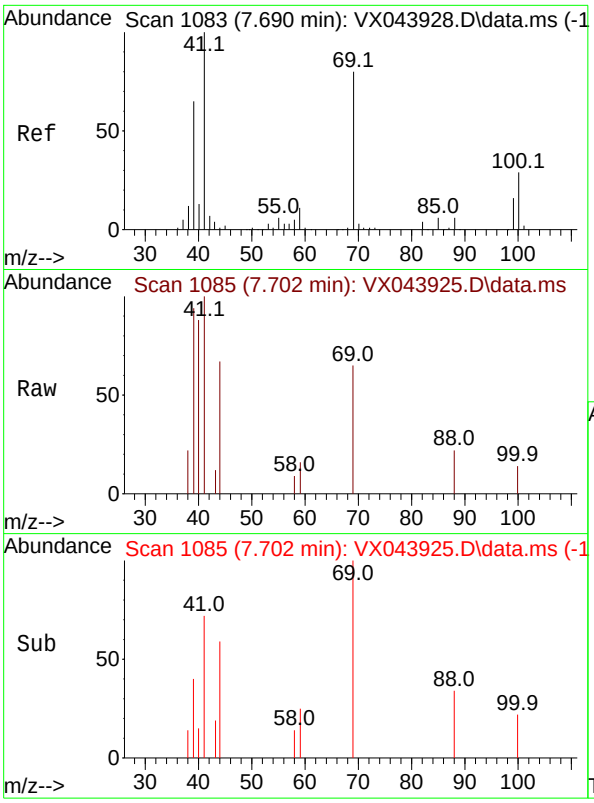



#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 1819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.6 | 51.4 | 77.0 |
| 127 | 0.0 | 6.6 | 10.0# |






#48
Methyl methacrylate
Concen: 0.917 ug/l m
RT: 7.702 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

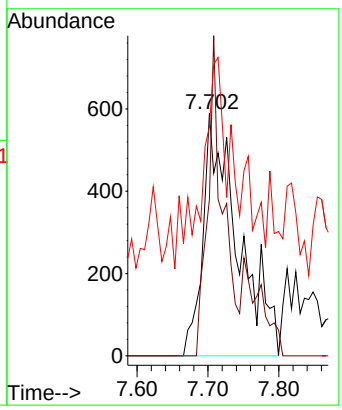
Tgt Ion: 41 Resp: 201

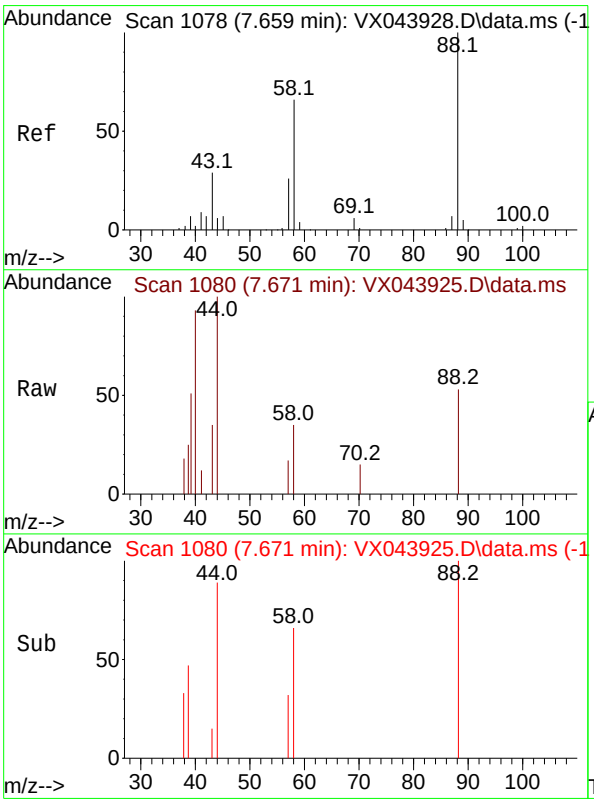
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 57.5 | 64.6 | 97.0# |
| 39 | 40.3 | 53.3 | 79.9# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

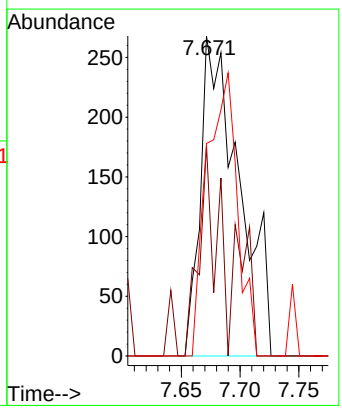


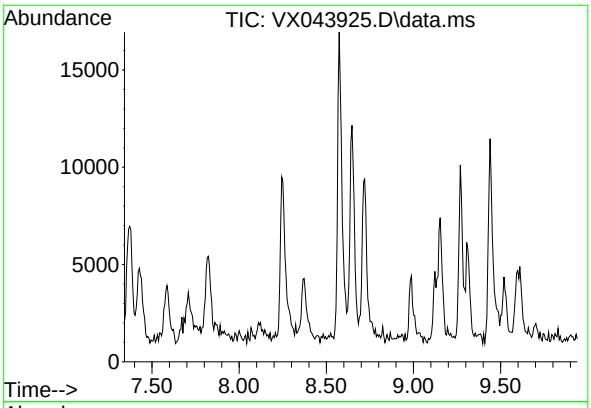




#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 88 Resp: 613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.0 | 26.8 | 40.2 |
| 58 | 0.0 | 45.4 | 68.2# |






#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.64 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

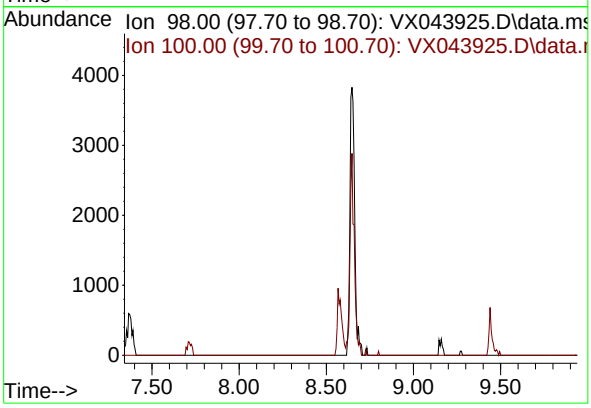
Tgt Ion: 98

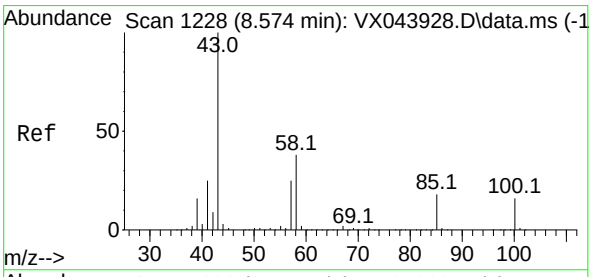
| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 65.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

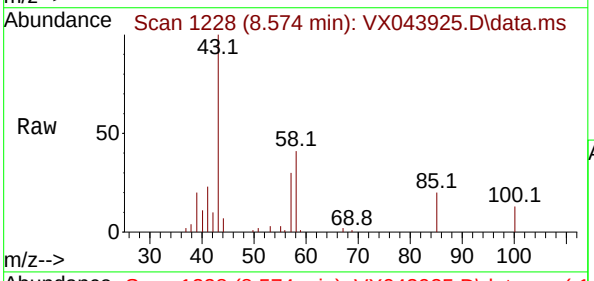


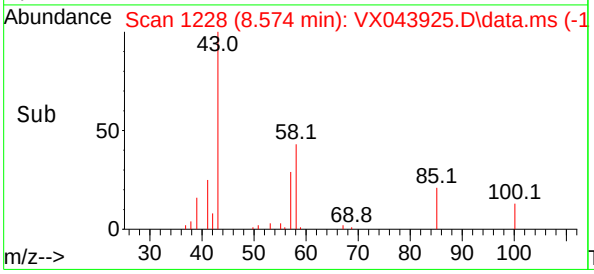



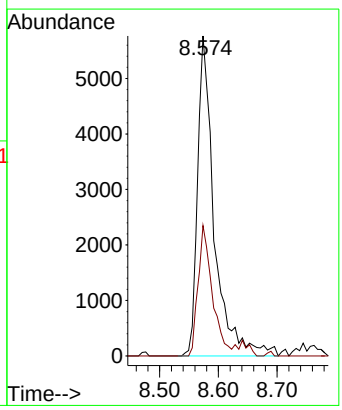

#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

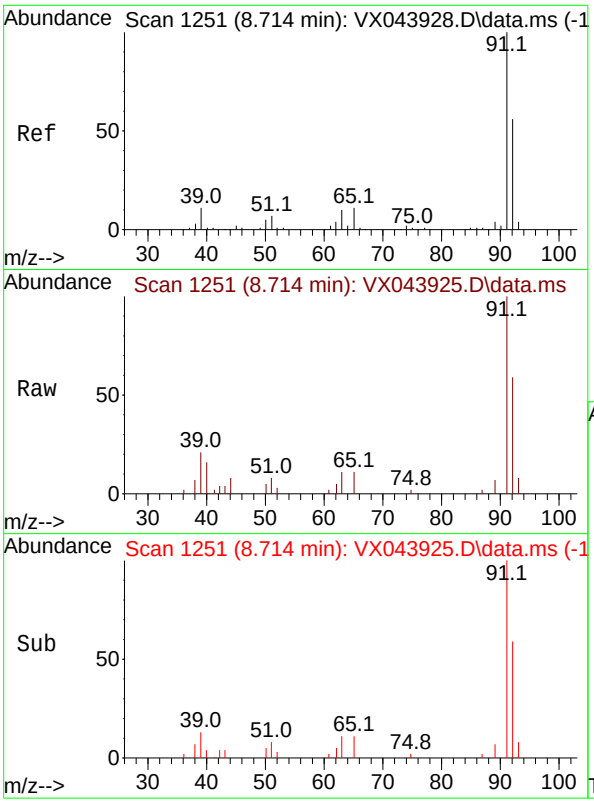
Tgt Ion: 43 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.9 | 30.0 | 45.0 |






#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 199.1 | 139.7 | 209.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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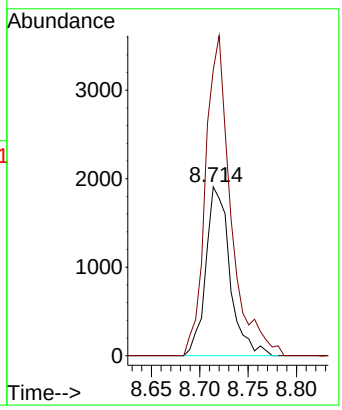
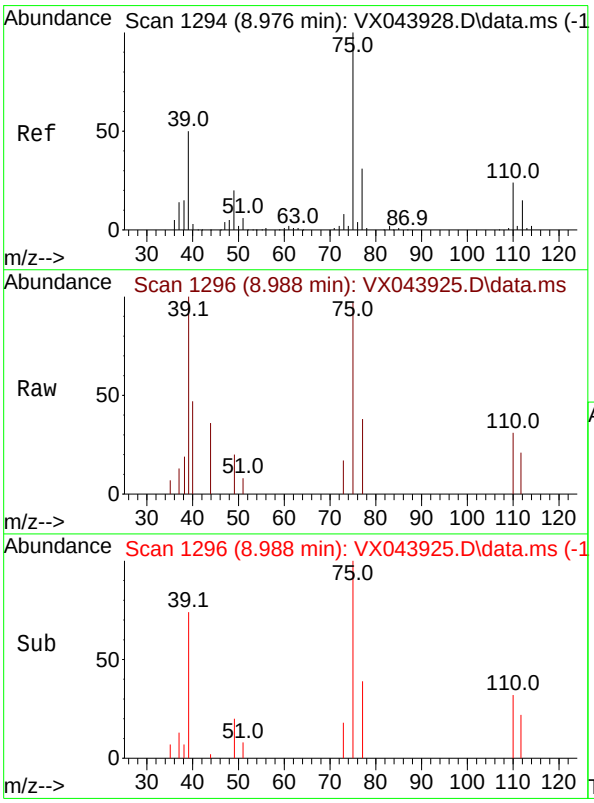
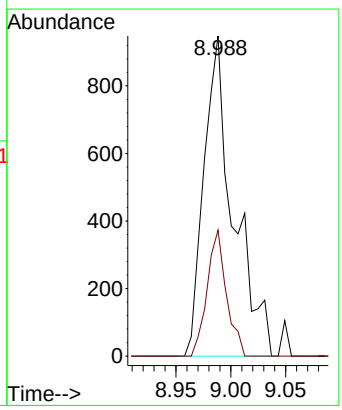


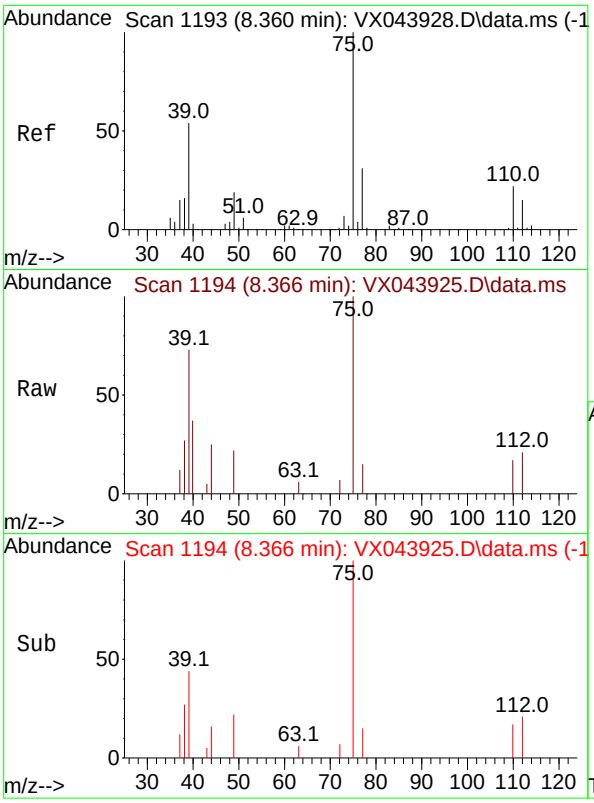




#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.3 | 25.1 | 37.7# |

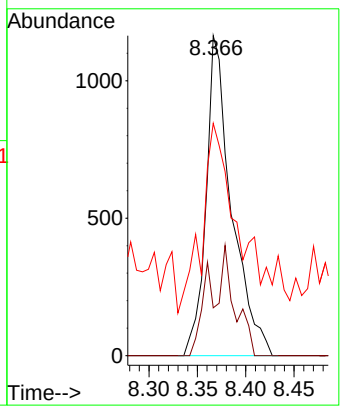





#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 14.9 | 25.2 | 37.8# |
| 39 | 59.3 | 43.1 | 64.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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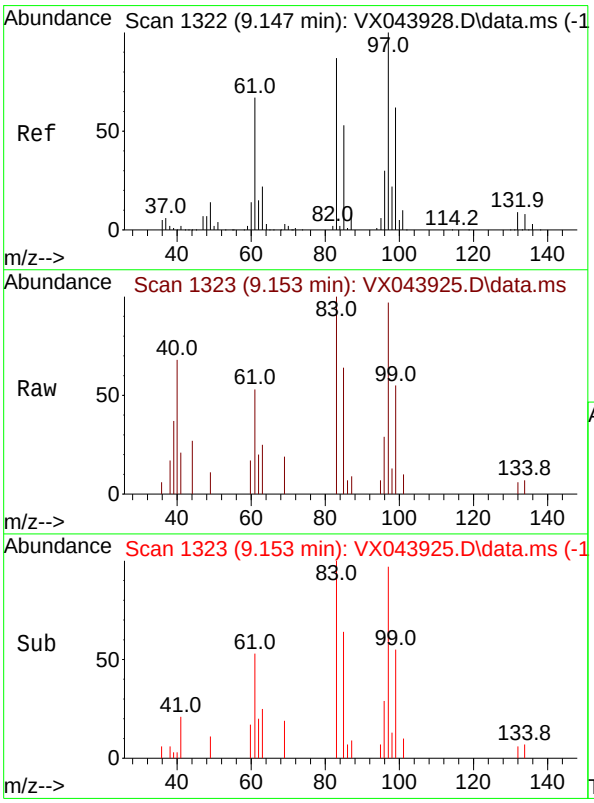
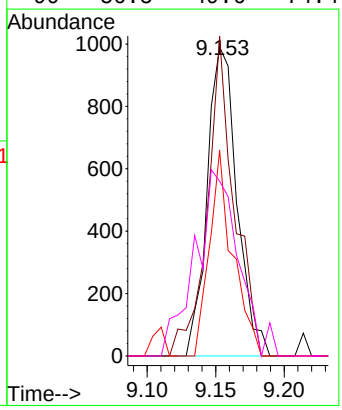
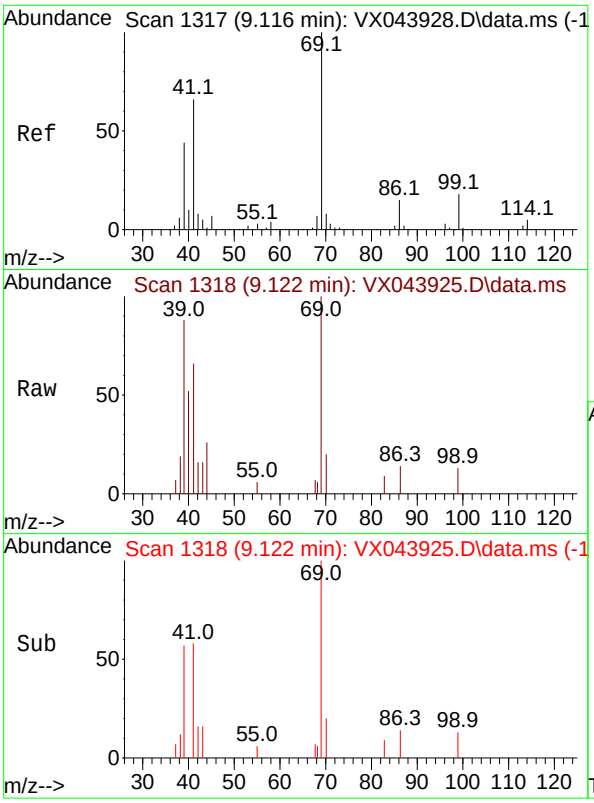



#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 1496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 103.5 | 69.4 | 104.0 |
| 85 | 66.5 | 42.3 | 63.5# |
| 99 | 56.5 | 49.6 | 74.4 |






#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 85.3 | 55.8 | 83.8# |
| 39 | 56.7 | 36.7 | 55.1# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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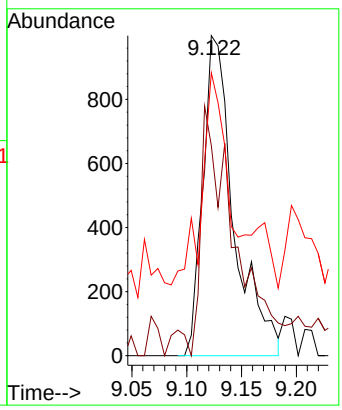
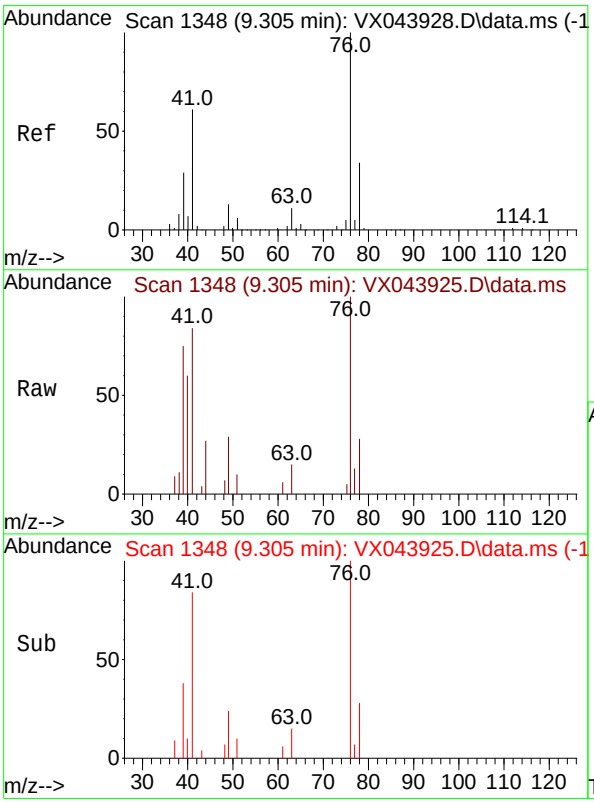
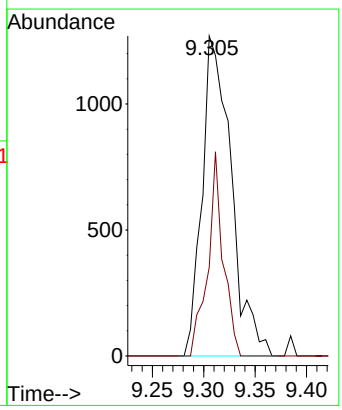


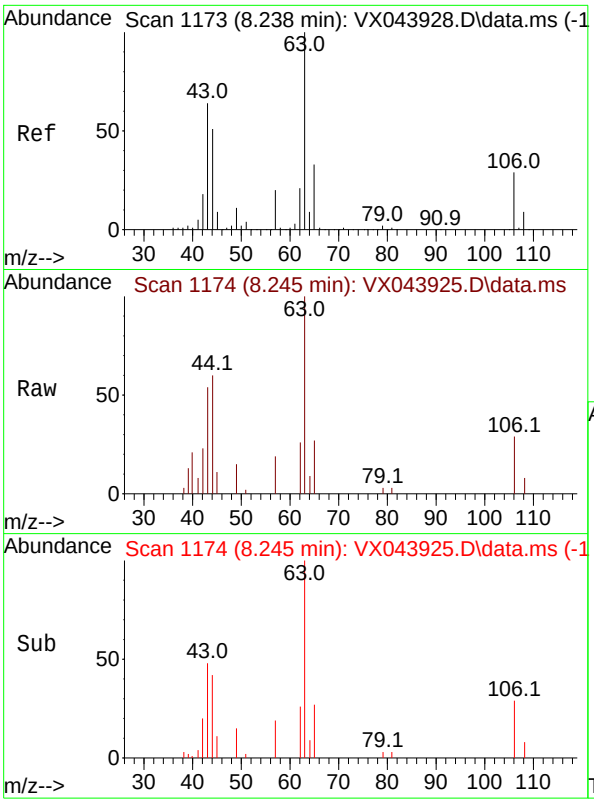




#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1348
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 76 Resp: 2502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.6 | 26.0 | 39.0 |






#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 25.2 | 23.0 | 34.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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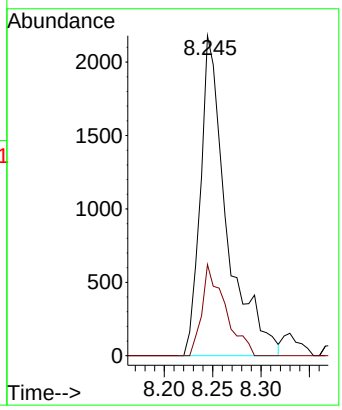
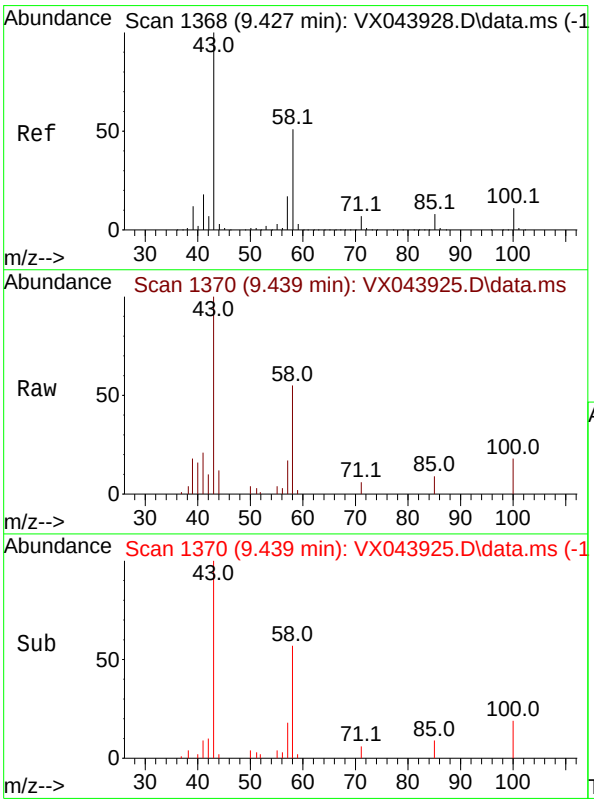
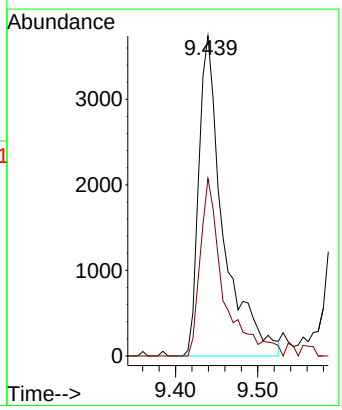


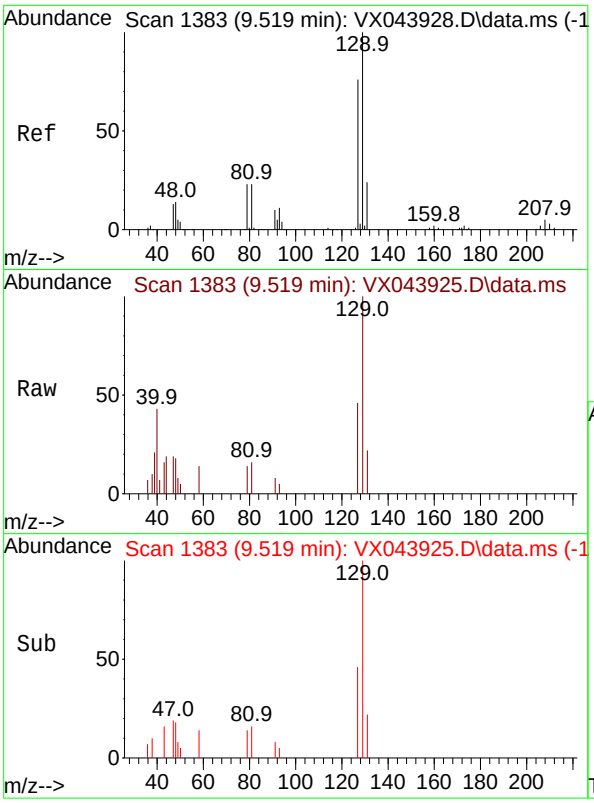




#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 7726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.9 | 77.6 |

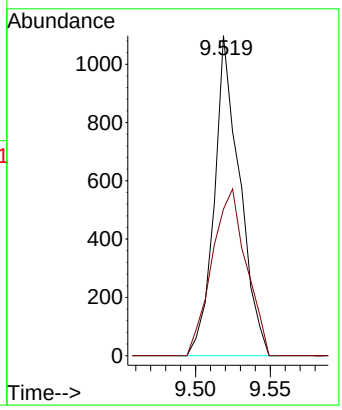





#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 70.6 | 38.2 | 114.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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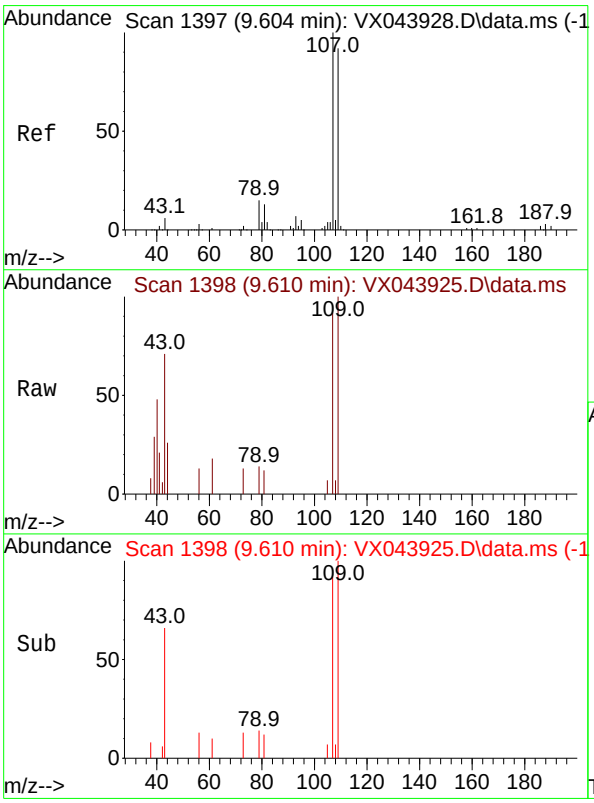
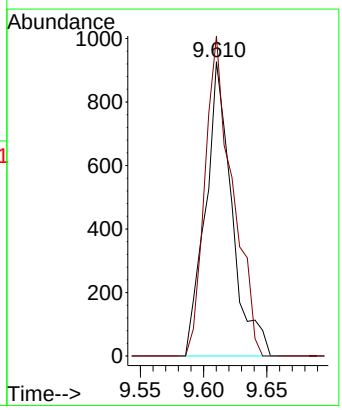
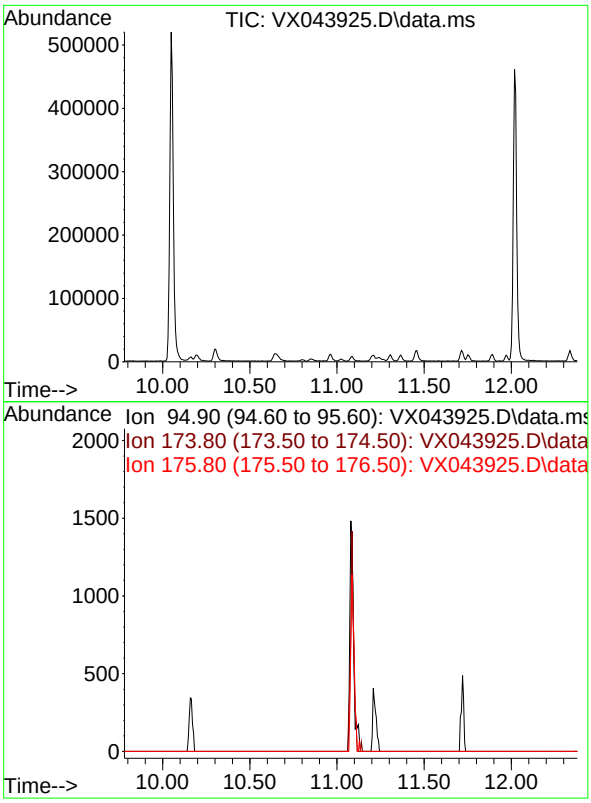



#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:107 Resp: 1342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 113.3 | 75.2 | 112.8# |






#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95

| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 75.2 |
| 176 | 73.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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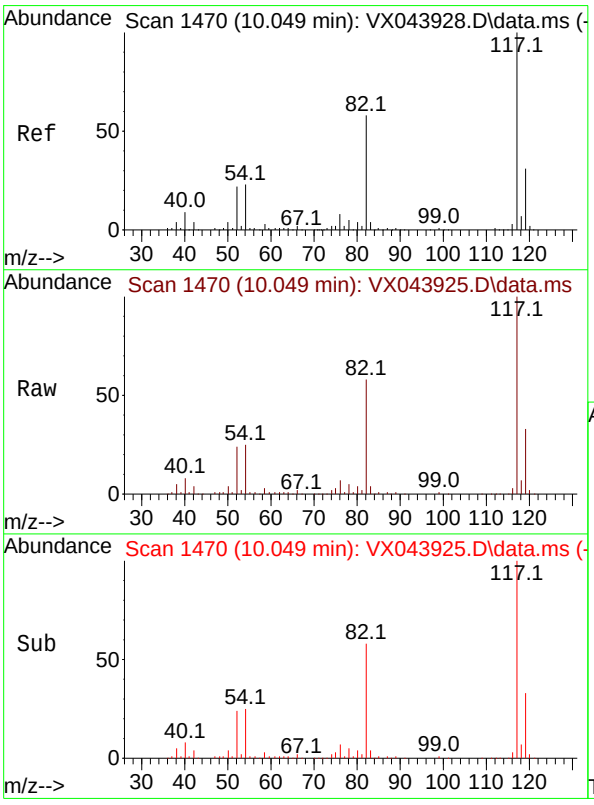
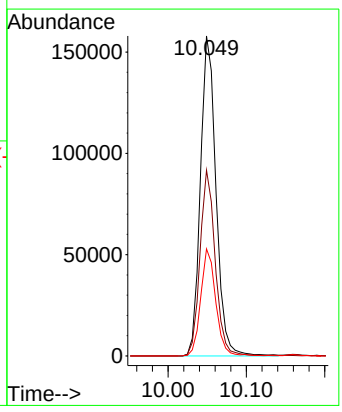
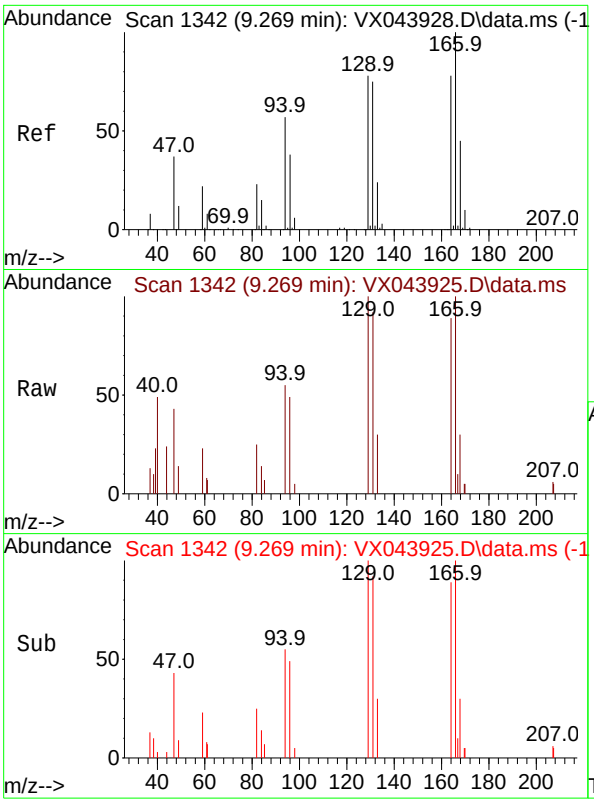



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 46.4 | 69.6 |
| 119 | 33.5 | 24.6 | 37.0 |

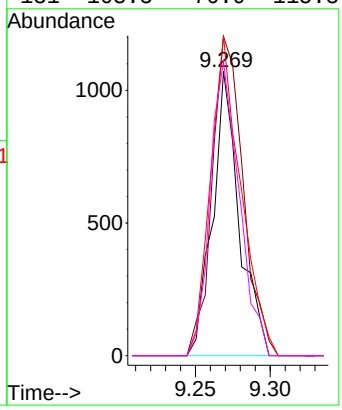





#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 112.3 | 102.1 | 153.1 |
| 129 | 112.6 | 79.6 | 119.4 |
| 131 | 103.5 | 76.9 | 115.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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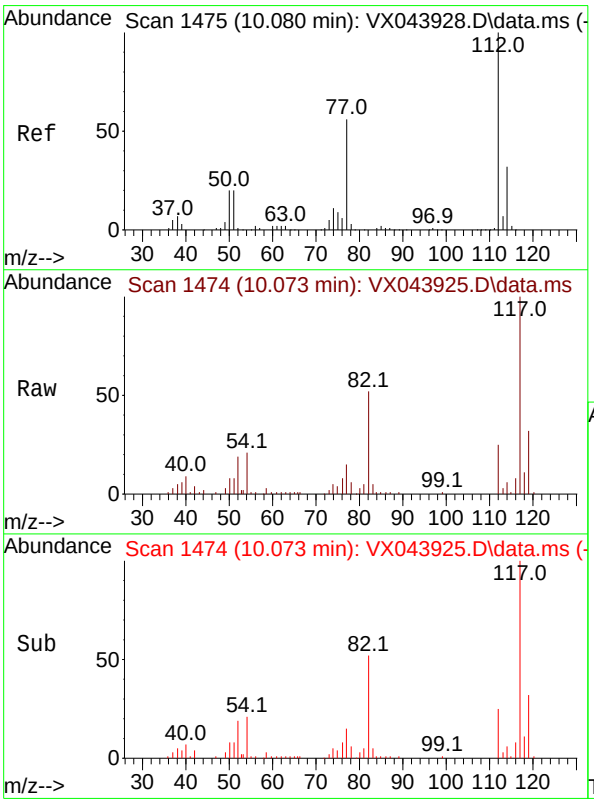
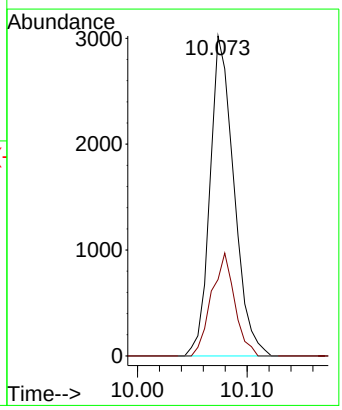
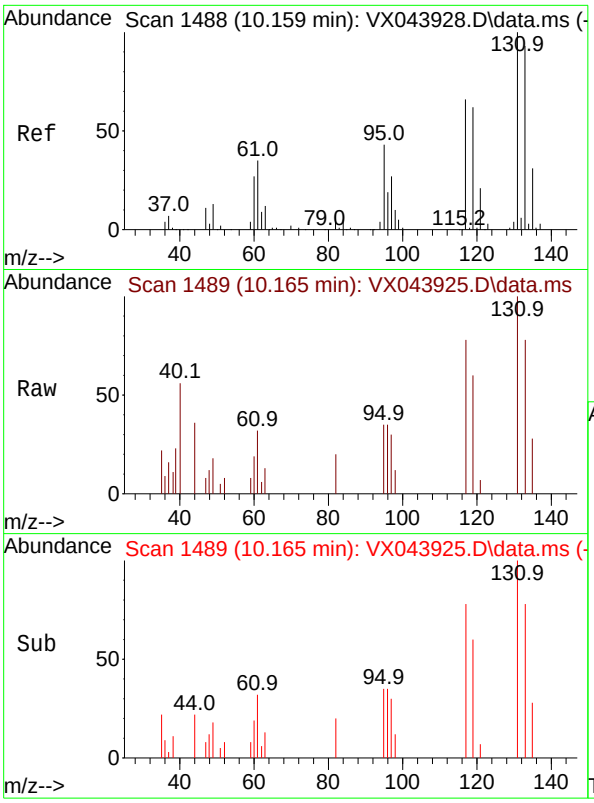



#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:112 Resp: 4585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 23.9 | 25.4 | 38.0# |






#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

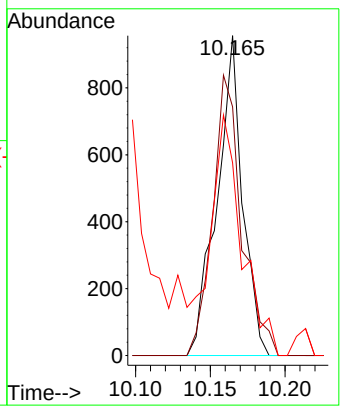
Tgt Ion:131 Resp: 113

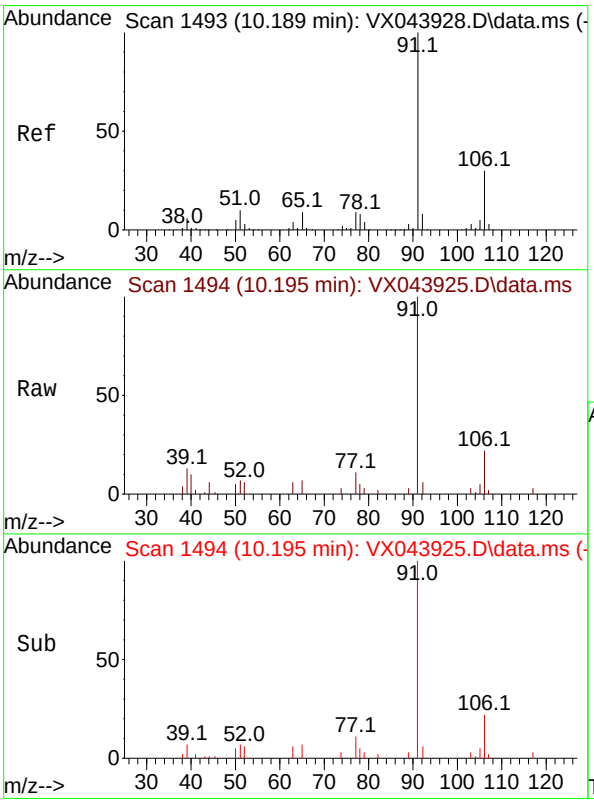
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 100.0 | 48.2 | 144.6 |
| 119 | 0.0 | 31.5 | 94.5# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

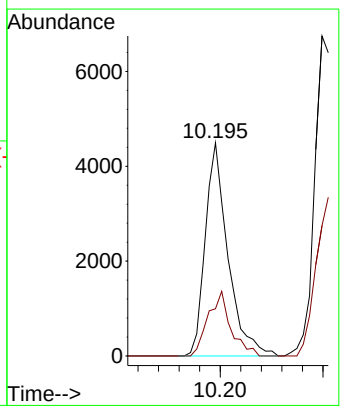


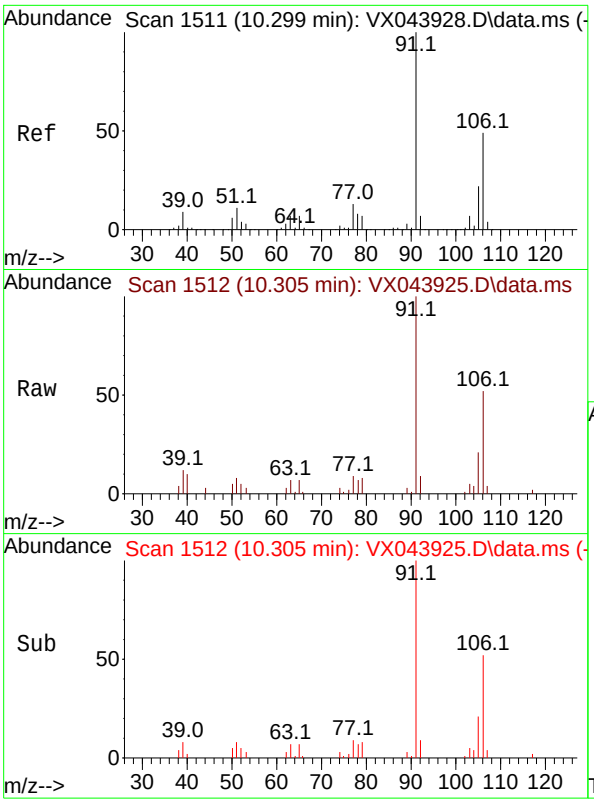




#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 22.2 | 23.6 | 35.4# |






#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

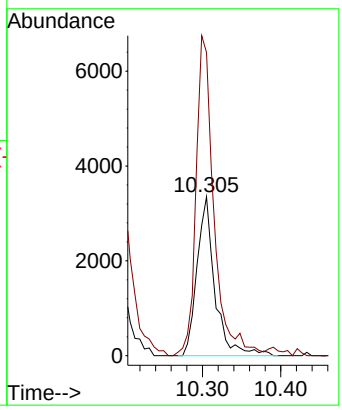
Tgt Ion:106 Resp: 532

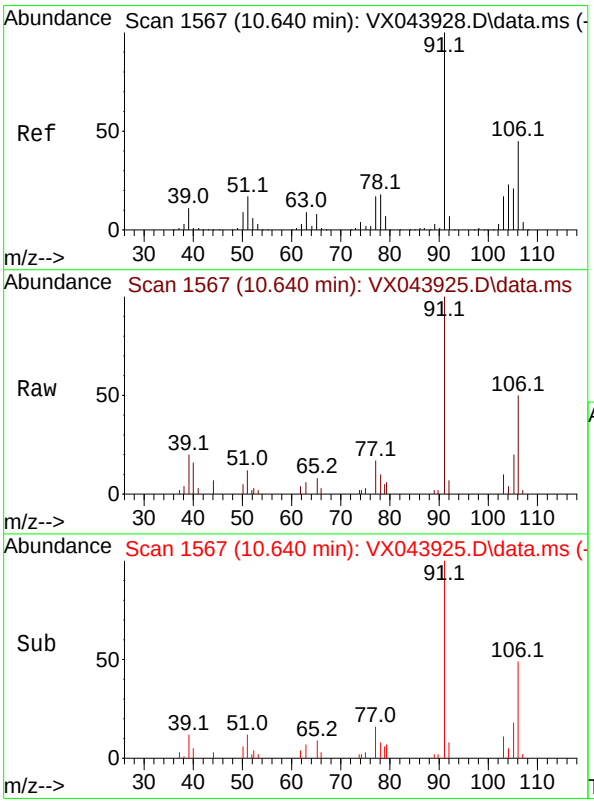
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.7 | 168.1 | 252.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

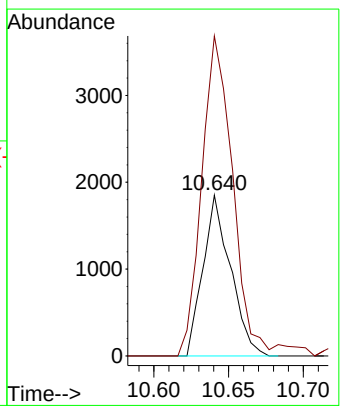


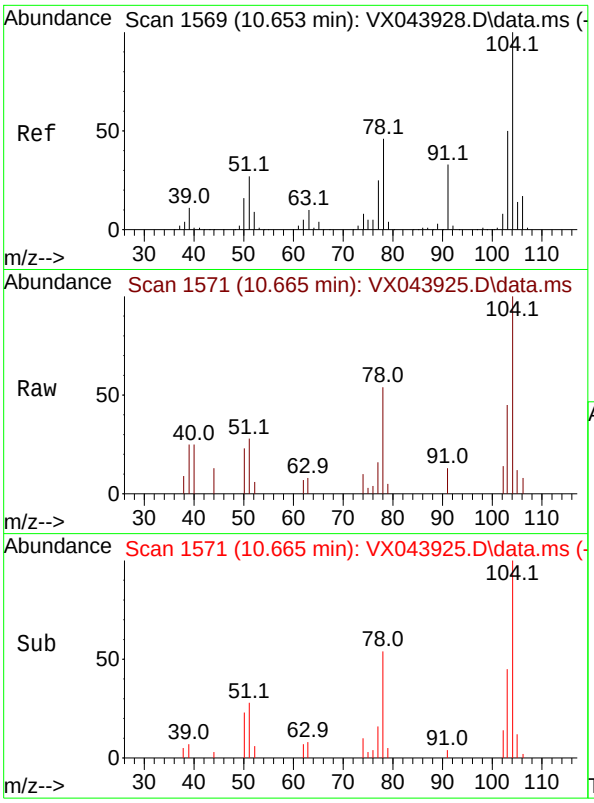




#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 2370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 228.1 | 110.2 | 330.6 |

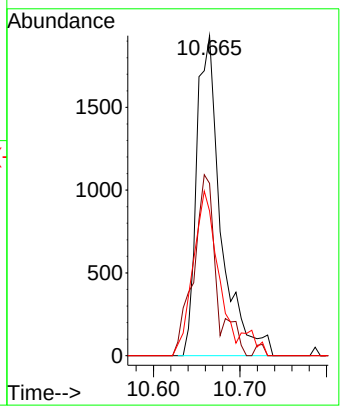





#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 375

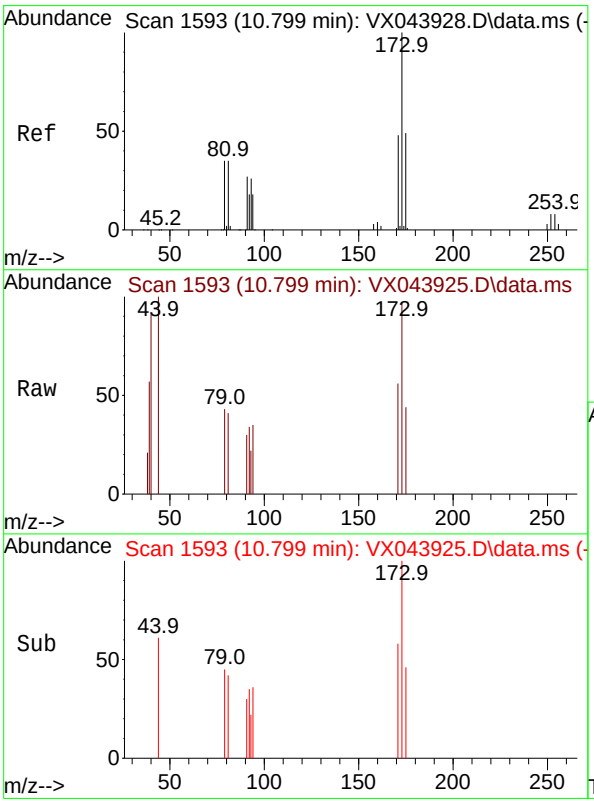
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.0 | 42.2 | 63.2 |
| 103 | 52.8 | 44.7 | 67.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

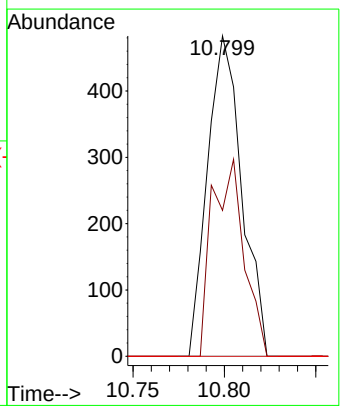
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

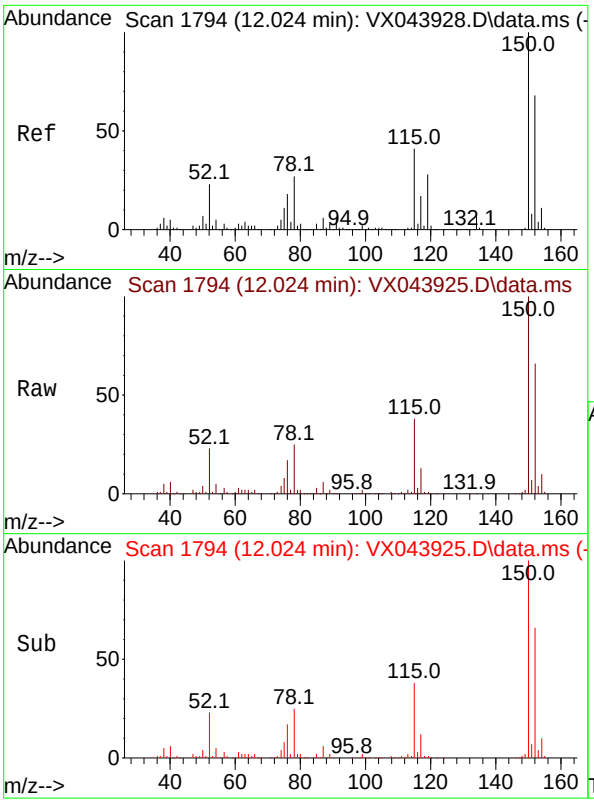



#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:173 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 57.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

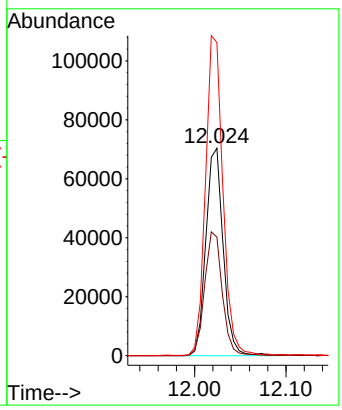





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 9285

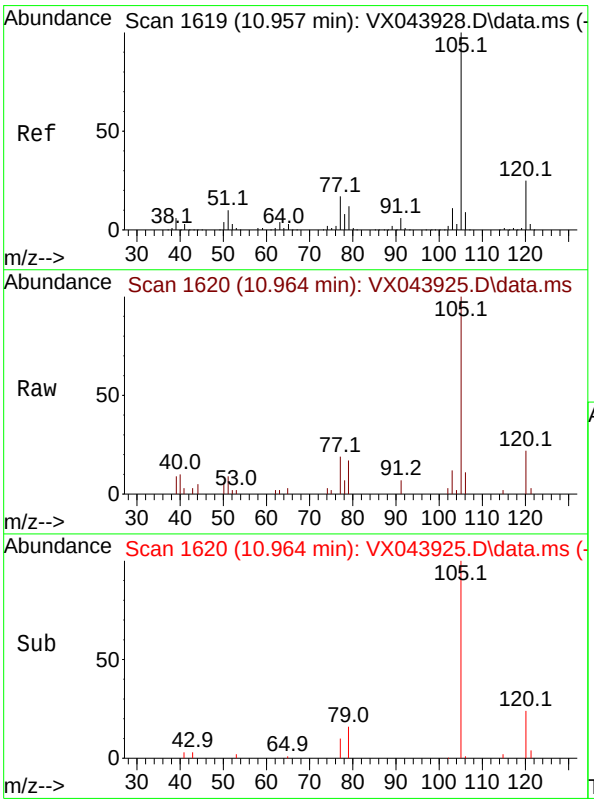
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.8 | 45.4 | 136.2 |
| 150 | 154.3 | 0.0 | 353.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

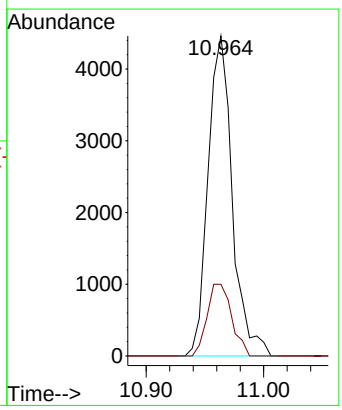
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

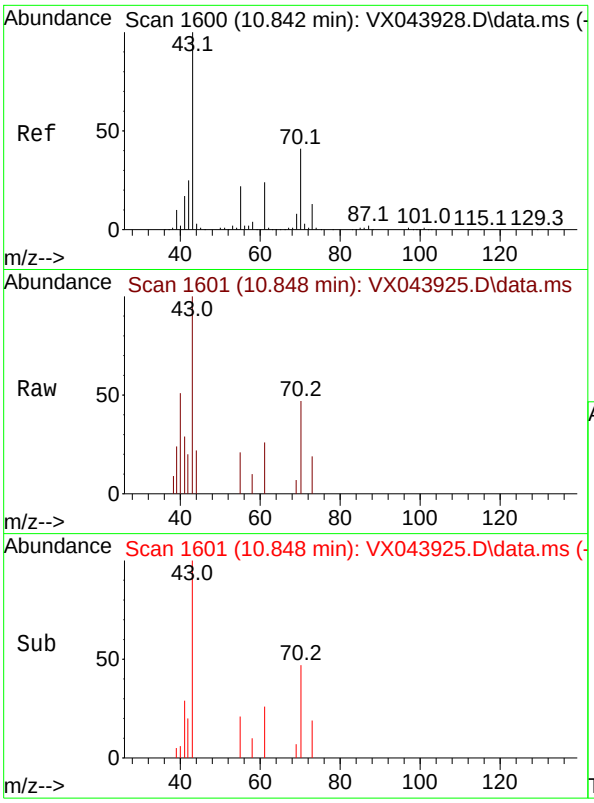



#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 6379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.8 | 13.0 | 38.9 |

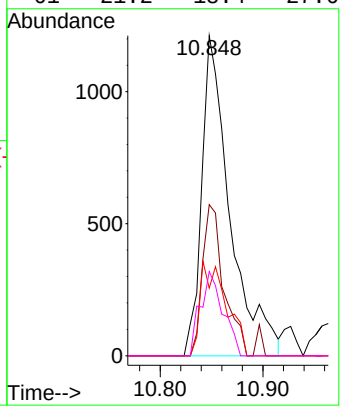





#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 35.9 | 32.2 | 48.2 |
| 55 | 26.8 | 18.1 | 27.1 |
| 61 | 21.2 | 18.4 | 27.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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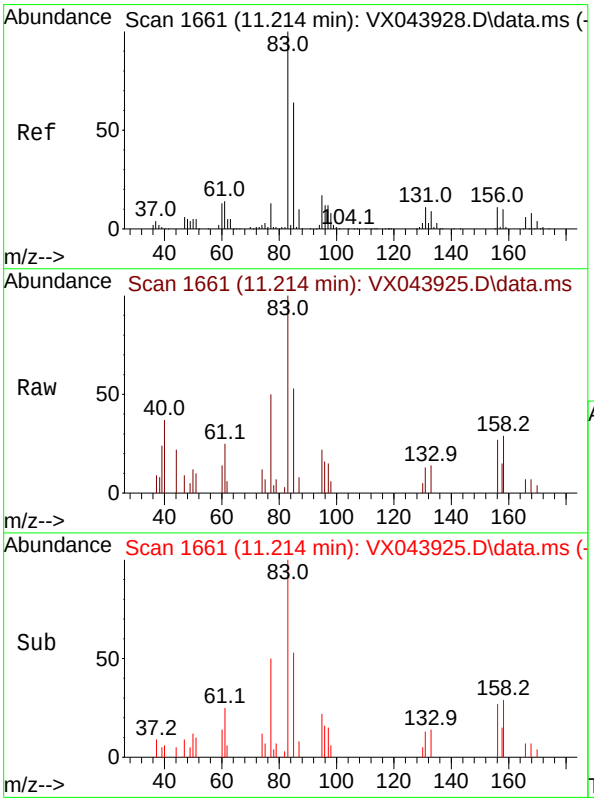
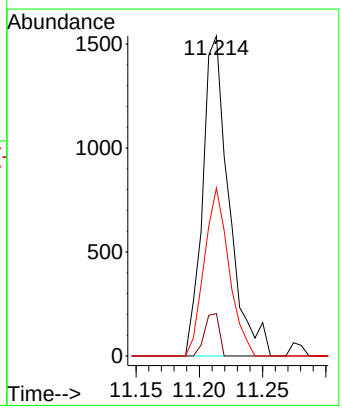
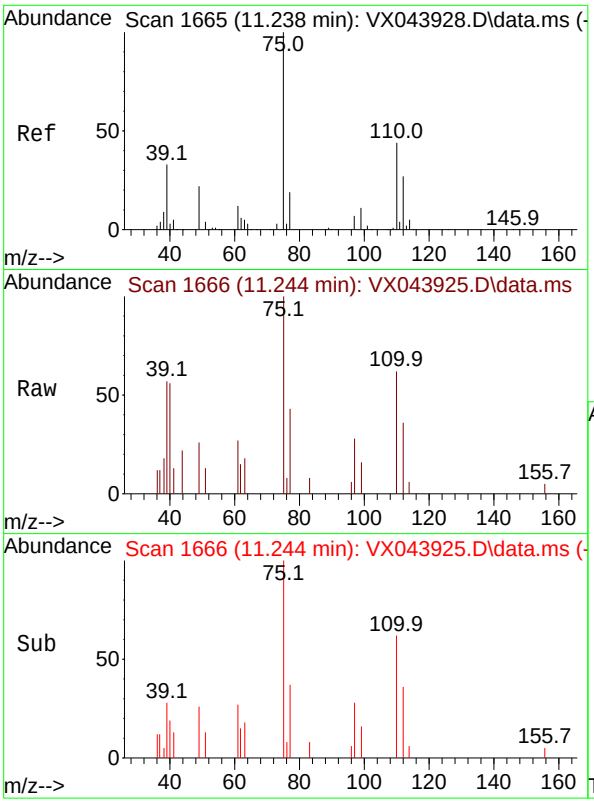



#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 2224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 7.5 | 5.1 | 15.2 |
| 85 | 49.5 | 32.2 | 96.6 |






#76
1,2,3-Trichloropropane
Concen: 0.801 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

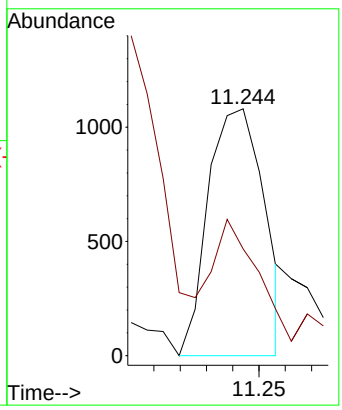
Tgt Ion: 75 Resp: 160

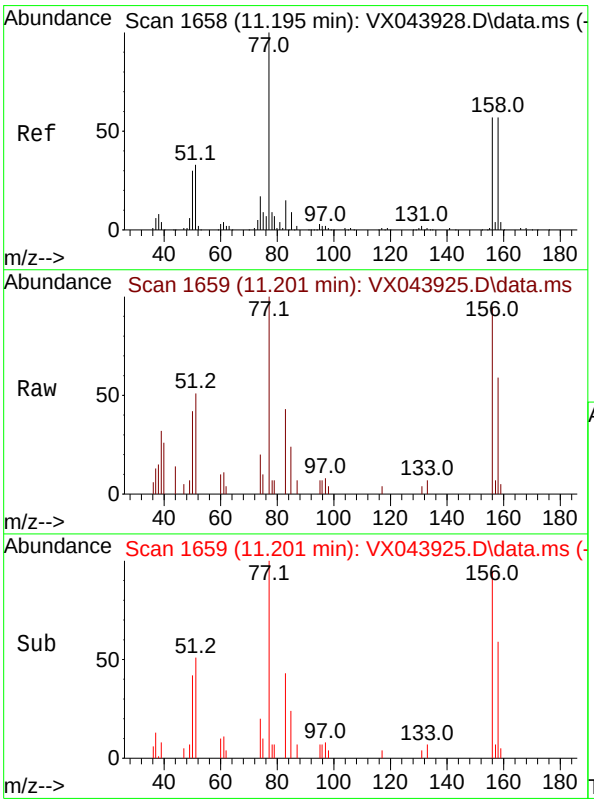
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 54.3 | 21.8 | 65.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

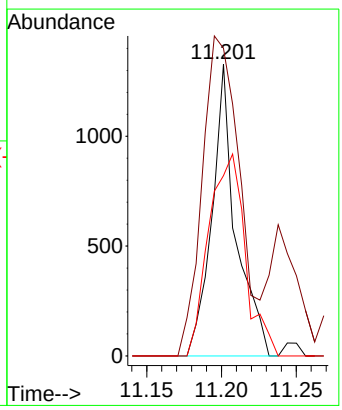


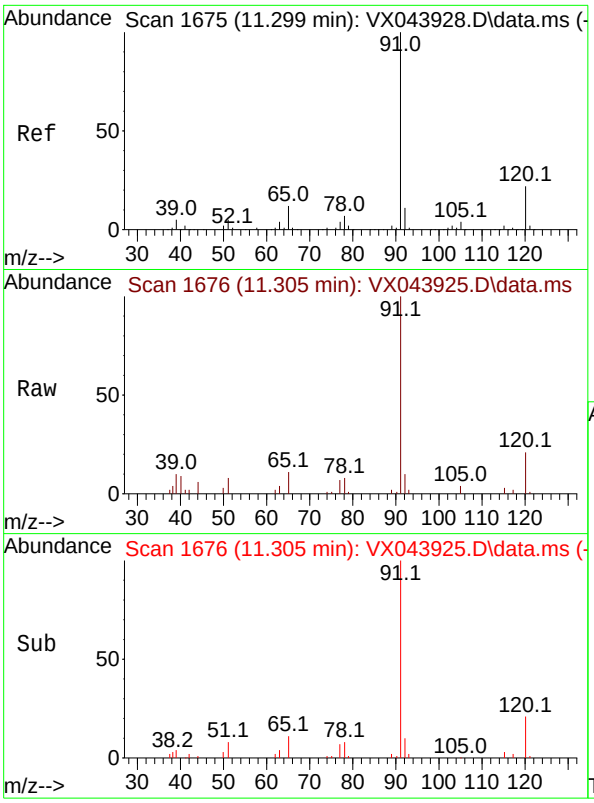




#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:156 Resp: 1475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.7 | 83.4 | 250.1 |
| 158 | 105.1 | 47.6 | 142.8 |






#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.6 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

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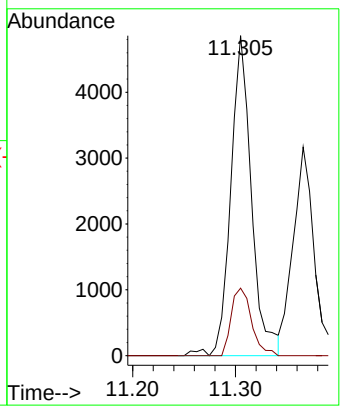
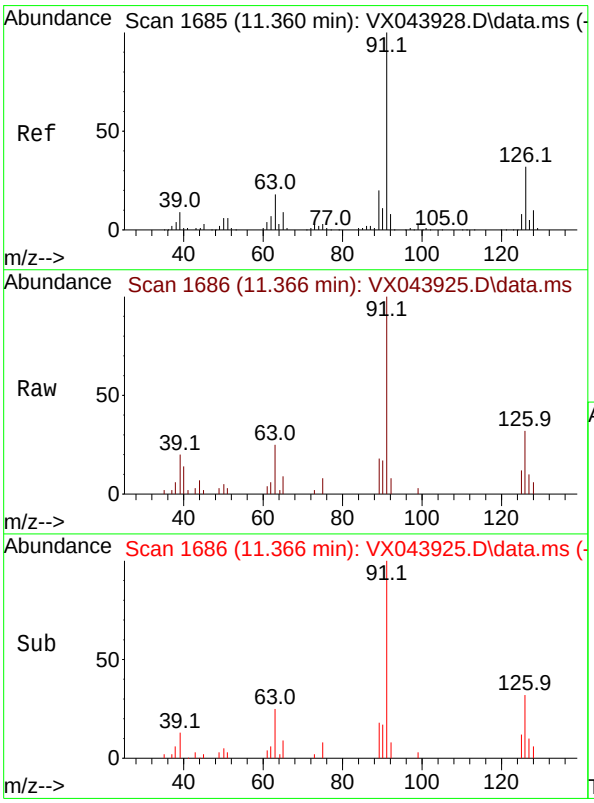
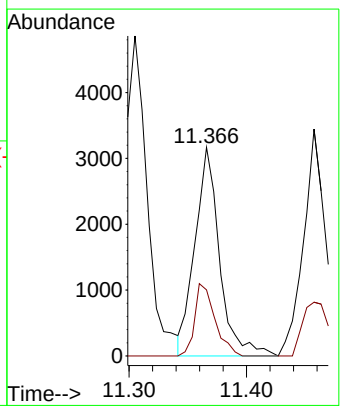


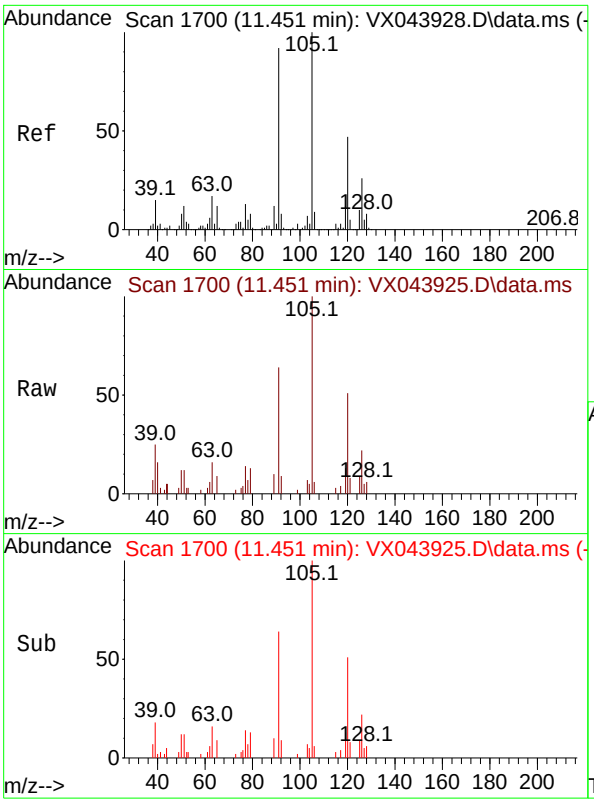




#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 16.6 | 49.8 |






#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

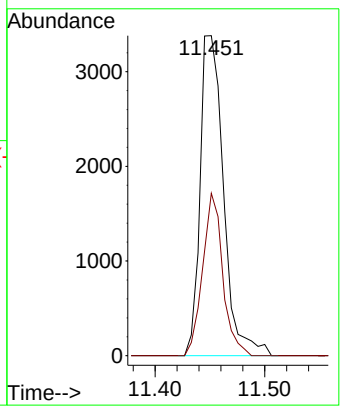
Tgt Ion:105 Resp: 502

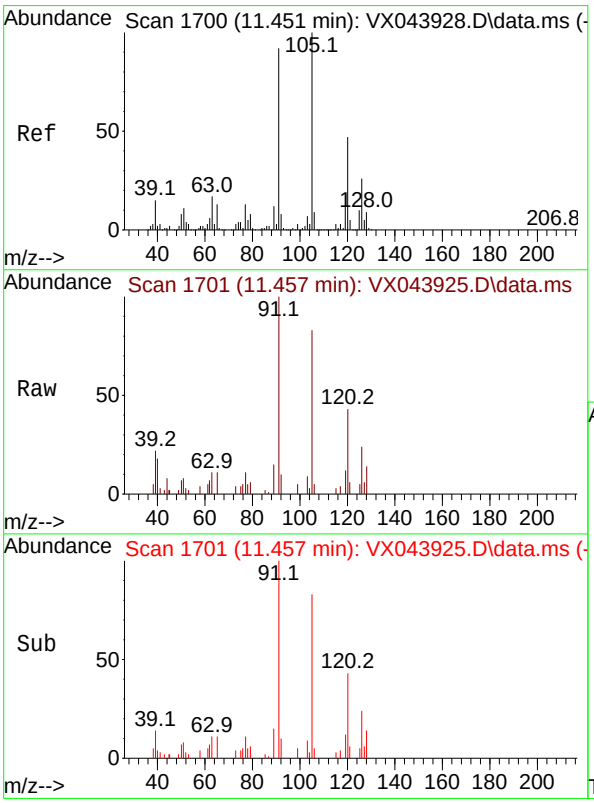
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 23.3 | 69.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

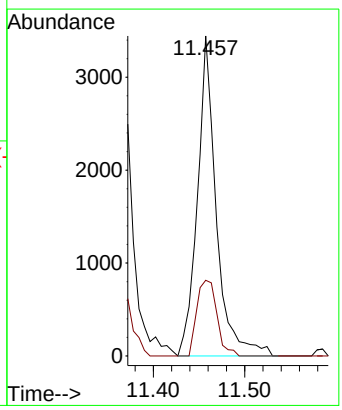


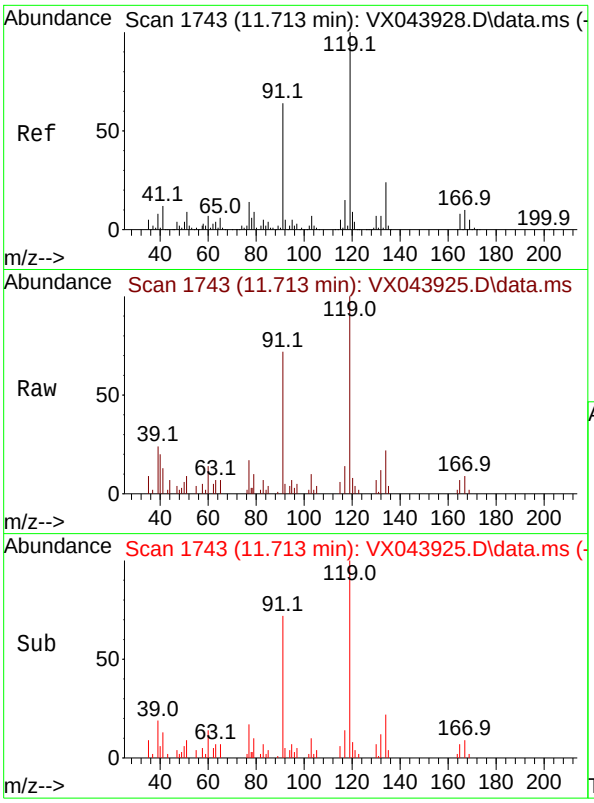




#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 25.2 | 14.3 | 42.9 |

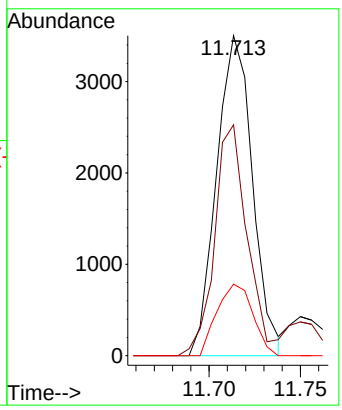





#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 479

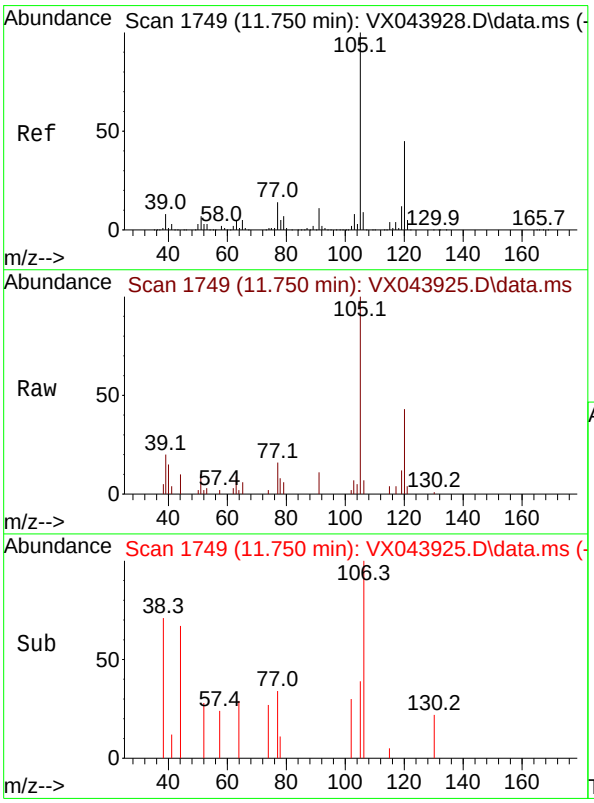
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.8 | 31.0 | 93.0 |
| 134 | 22.3 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

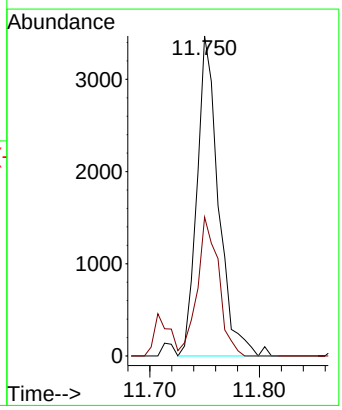
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

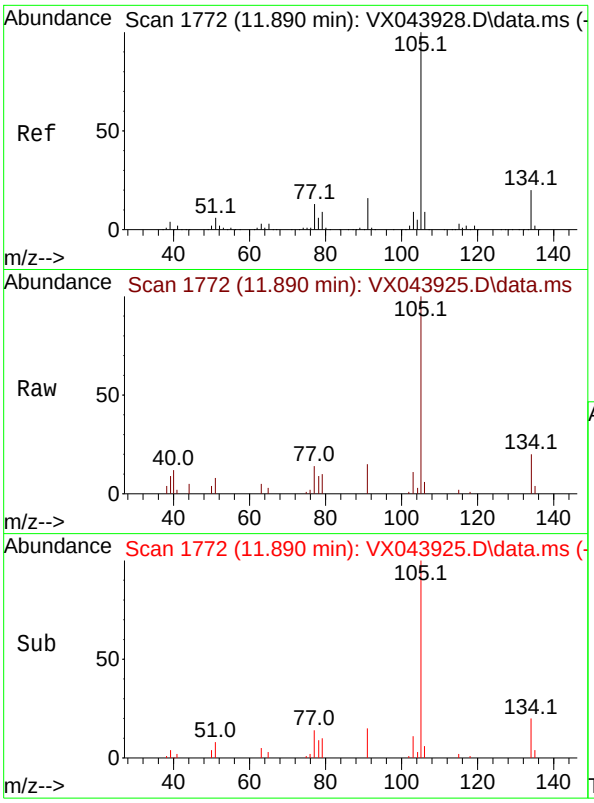



#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 21.9 | 65.7 |






#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

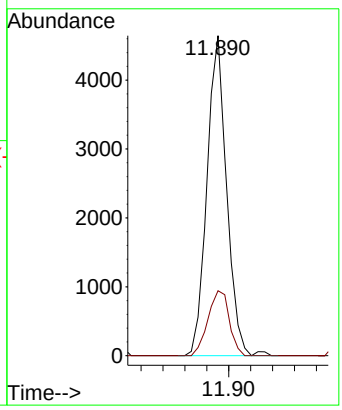
Tgt Ion:105 Resp: 578

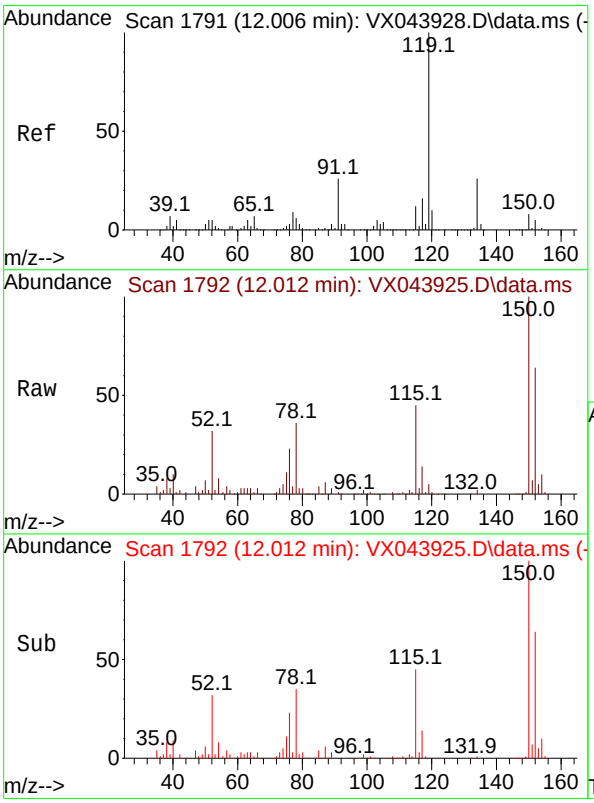
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 22.0 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

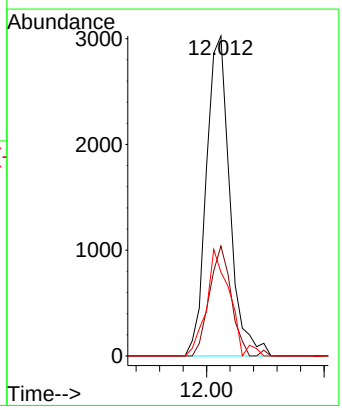


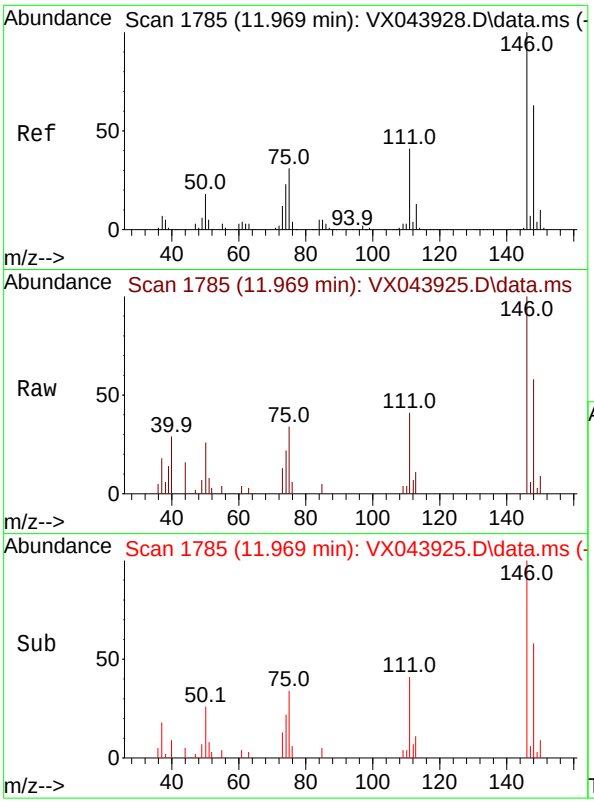




#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 31.8 | 13.0 | 38.9 |
| 91 | 33.2 | 13.0 | 38.9 |

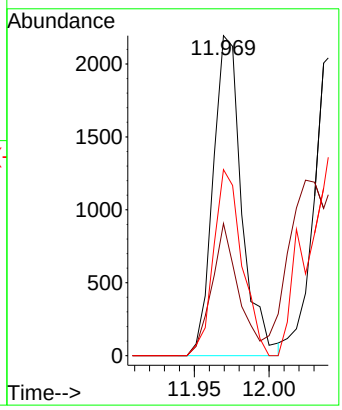





#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 293

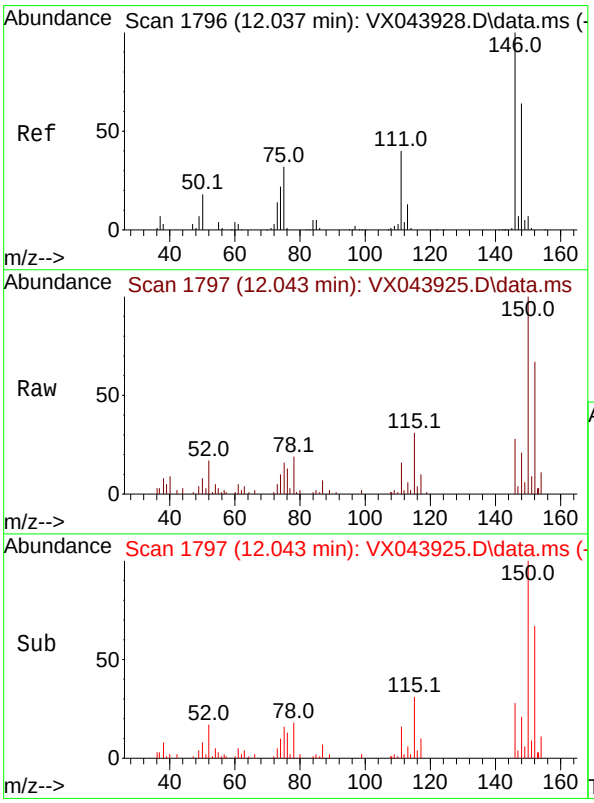
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.3 | 21.1 | 63.3 |
| 148 | 57.6 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

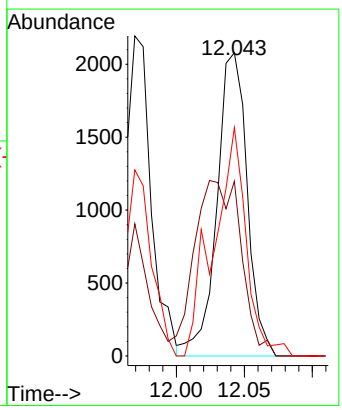
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

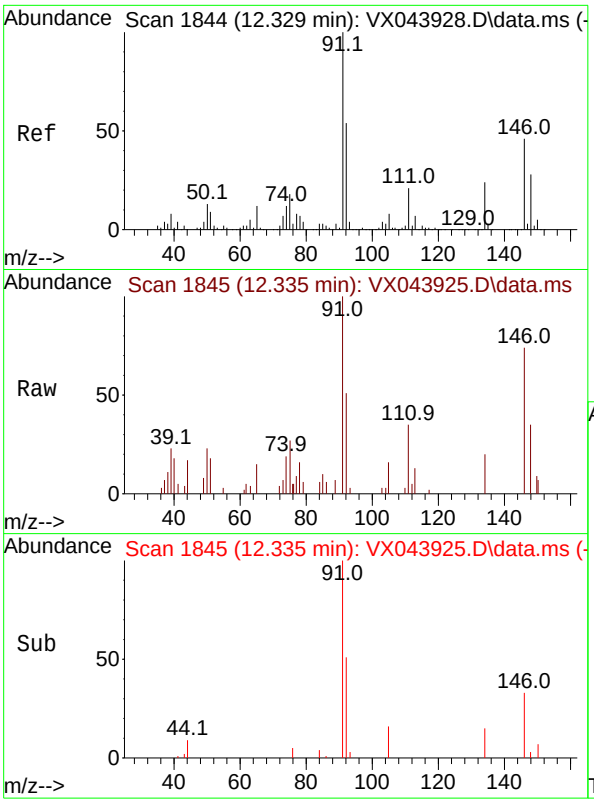



#88
1,4-Dichlorobenzene
Concen: 1.020 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 3212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 35.0 | 20.1 | 60.3 |
| 148 | 52.6 | 30.9 | 92.8 |

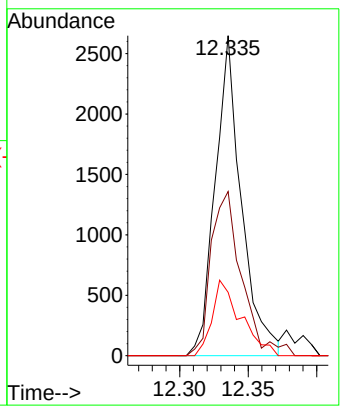





#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 352

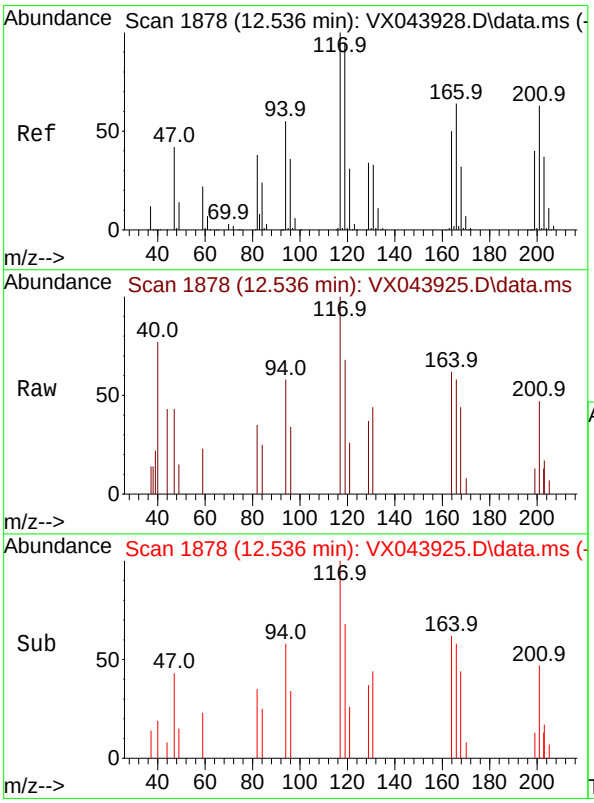
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.8 | 26.6 | 79.8 |
| 134 | 25.8 | 12.4 | 37.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

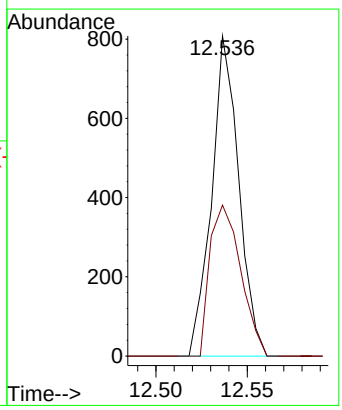
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

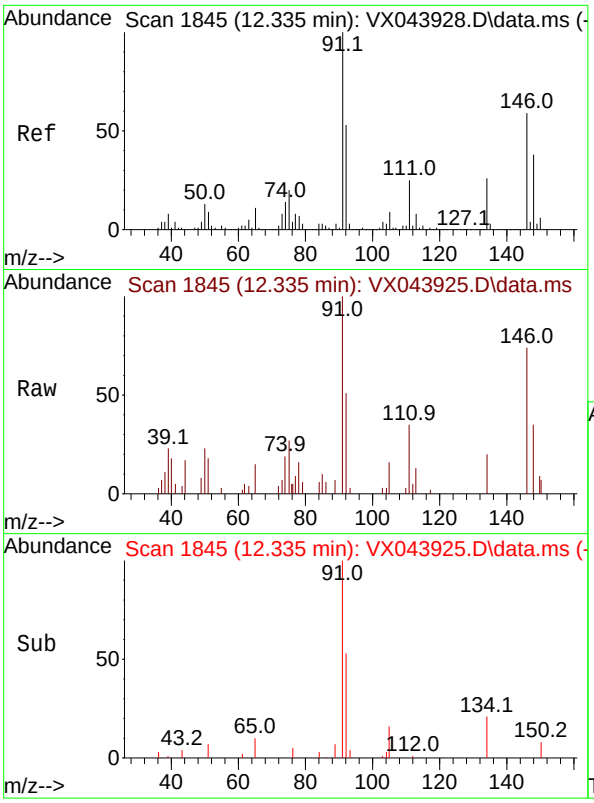



#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 53.7 | 32.4 | 97.0 |

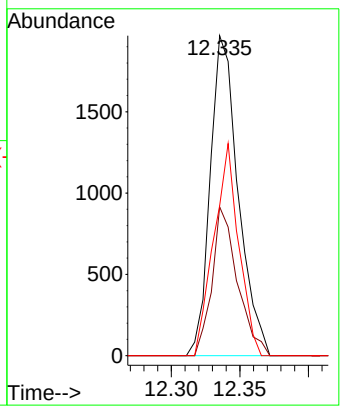





#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 279

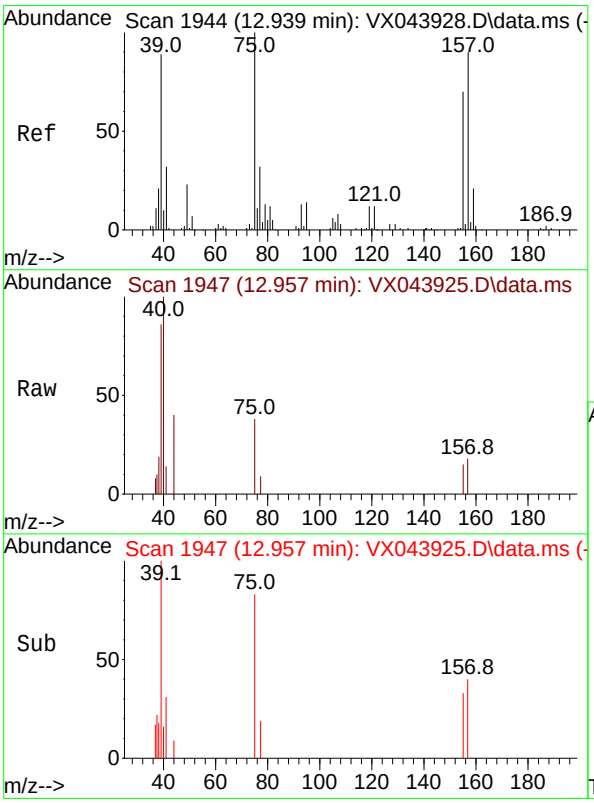
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 58.8 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

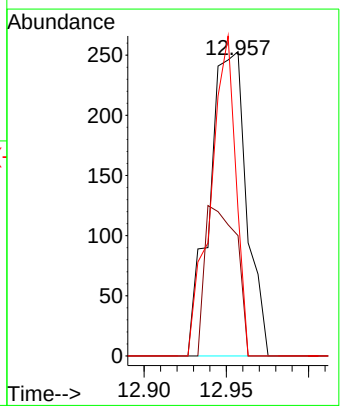
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

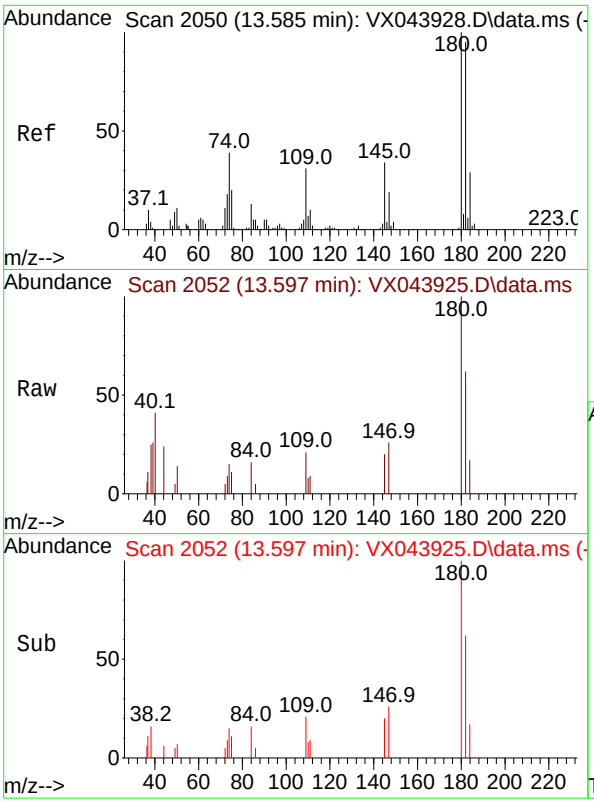



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 42.0 | 40.1 | 120.2 |
| 157 | 71.6 | 49.6 | 149.0 |

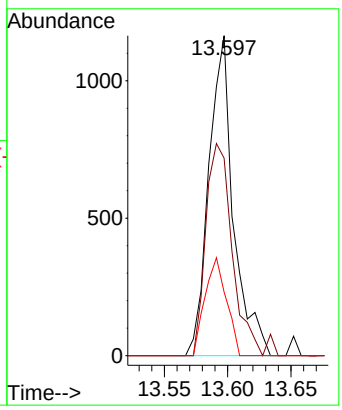





#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 157

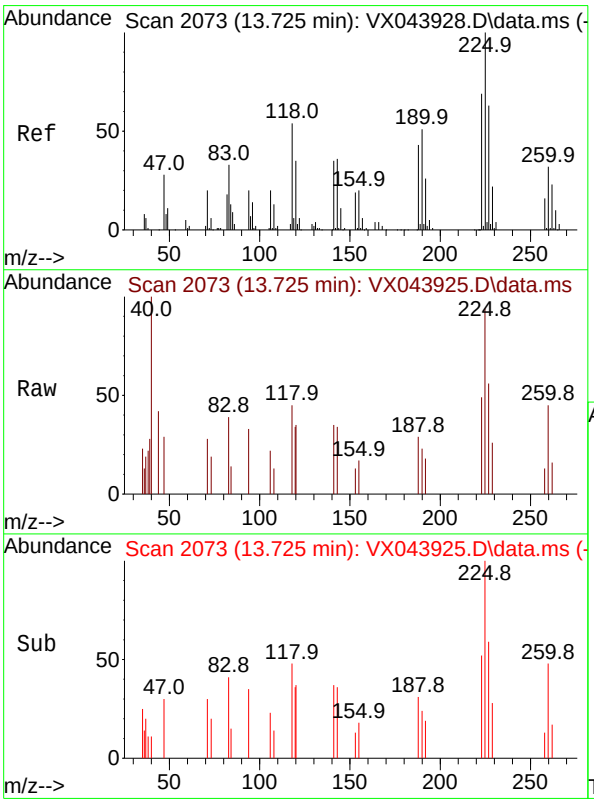
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 70.6 | 48.0 | 144.2 |
| 145 | 26.6 | 16.8 | 50.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

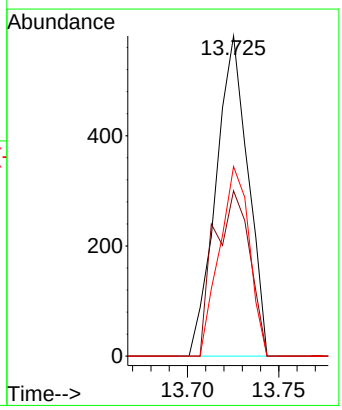
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

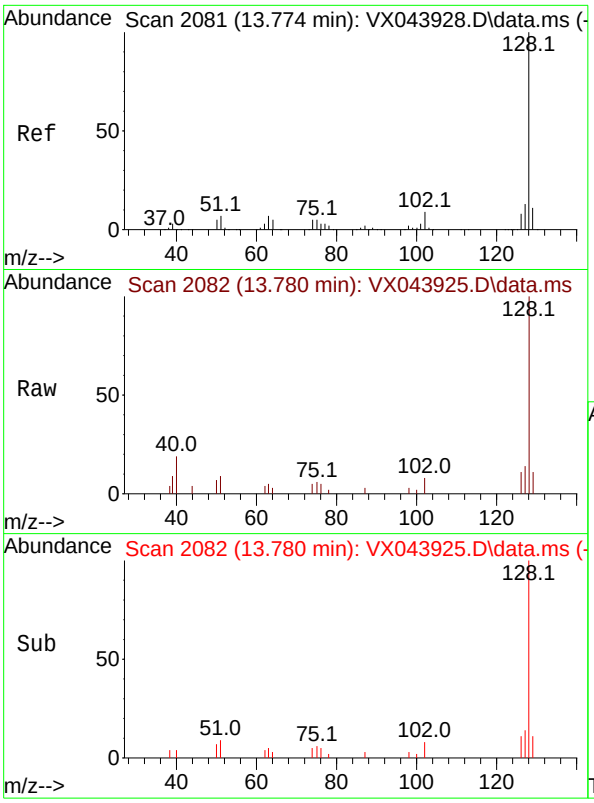



#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.1 | 32.9 | 98.6 |
| 227 | 55.3 | 31.6 | 94.8 |

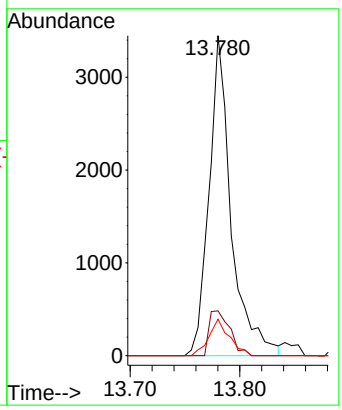





#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:128 Resp: 483

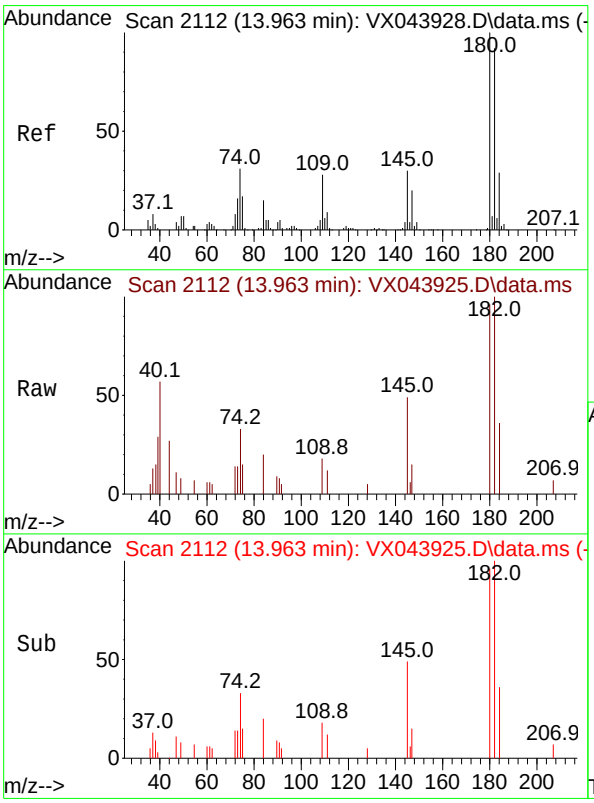
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.2 |
| 129 | 10.6 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

**Manual Integrations**
**APPROVED**

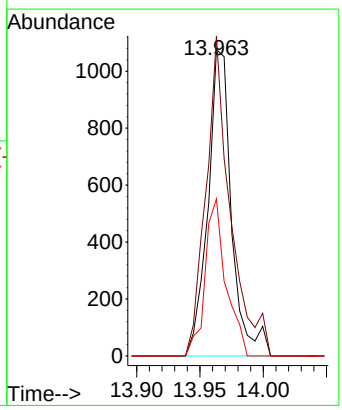
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 107.8 | 45.6 | 136.8 |
| 145 | 45.3 | 16.4 | 49.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 150793 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 264969 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 223514 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 96662 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 13961 | 5.398 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 10.800%# | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 9842 | 5.198 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.400%# | | |
| 50) Toluene-d8 | 8.646 | 98 | 35173 | 5.389 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 10.780%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 10618 | 4.780 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 9.560%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 9545 | 4.997 | ug/l | 87 |
| 3) Chloromethane | 1.294 | 50 | 9980 | 4.965 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 10682 | 4.996 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 6415 | 4.877 | ug/l | 90 |
| 6) Chloroethane | 1.666 | 64 | 6474 | 4.969 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 19099 | 4.996 | ug/l | 91 |
| 8) Diethyl Ether | 2.129 | 74 | 6480 | 4.651 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 8824 | 4.839 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 9897 | 4.346 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.995 | 59 | 9278m | 22.349 | ug/l | |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 7987 | 4.597 | ug/l | 87 |
| 13) Acrolein | 2.239 | 56 | 11940 | 27.287 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 12874 | 4.534 | ug/l | 96 |
| 15) Acrylonitrile | 3.062 | 53 | 24290 | 24.010 | ug/l | 99 |
| 16) Acetone | 2.385 | 43 | 29886 | 25.159 | ug/l | 95 |
| 17) Carbon Disulfide | 2.495 | 76 | 14415 | 4.022 | ug/l # | 94 |
| 18) Methyl Acetate | 2.702 | 43 | 13127 | 4.745 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 30022 | 4.759 | ug/l # | 88 |
| 20) Methylene Chloride | 2.782 | 84 | 9895 | 4.909 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 8486 | 4.730 | ug/l # | 80 |
| 22) Diisopropyl ether | 3.757 | 45 | 29102 | 4.794 | ug/l # | 65 |
| 23) Vinyl Acetate | 3.721 | 43 | 116242 | 22.382 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 16857 | 4.813 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 36680 | 23.931 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 15040 | 4.755 | ug/l # | 76 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 10153 | 4.579 | ug/l | 96 |
| 28) Bromochloromethane | 4.891 | 49 | 9210 | 5.974 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 23518 | 25.028 | ug/l | 96 |
| 30) Chloroform | 5.086 | 83 | 18661 | 4.954 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 13740 | 4.767 | ug/l # | 85 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 15162 | 4.667 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 11406 | 4.834 | ug/l | 97 |
| 37) Ethyl Acetate | 4.720 | 43 | 14551m | 4.968 | ug/l | |
| 38) Carbon Tetrachloride | 5.665 | 117 | 12348 | 4.658 | ug/l | 97 |
| 39) Methylcyclohexane | 7.372 | 83 | 14721 | 4.803 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 36283 | 4.937 | ug/l | 94 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 7355 | 4.907 | ug/l | # | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 14467 | 4.901 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 22267 | 4.777 | ug/l | | 99 |
| 44) Trichloroethene | 7.128 | 130 | 9852 | 4.736 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 8525 | 4.736 | ug/l | | 91 |
| 46) Dibromomethane | 7.586 | 93 | 6372 | 4.475 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.823 | 83 | 11249 | 4.405 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.695 | 41 | 10190 | 4.556 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.677 | 88 | 4090m | 106.070 | ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 69843 | 24.556 | ug/l | | 97 |
| 52) Toluene | 8.714 | 92 | 22218 | 5.051 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 10937 | 4.200 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 12253 | 4.292 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 9000 | 4.957 | ug/l | | 94 |
| 56) Ethyl methacrylate | 9.116 | 69 | 12381 | 4.378 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 15211 | 4.973 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 43351 | 27.673 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 52072 | 24.357 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 7738 | 4.247 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 8985 | 4.894 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.274 | 164 | 7642 | 5.185 | ug/l | | 93 |
| 65) Chlorobenzene | 10.079 | 112 | 24792 | 5.050 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 7421 | 4.661 | ug/l | | 96 |
| 67) Ethyl Benzene | 10.195 | 91 | 40927 | 4.920 | ug/l | | 95 |
| 68) m/p-Xylenes | 10.305 | 106 | 29635 | 9.553 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 14856 | 4.905 | ug/l | | 98 |
| 70) Styrene | 10.658 | 104 | 22907 | 4.573 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 4476 | 5.004 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 37958 | 5.109 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 15928 | 4.627 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 13107 | 5.152 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 12040m | 5.776 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 9259 | 5.224 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 39774 | 4.793 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 26740 | 5.096 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 30114 | 4.926 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 2880 | 3.707 | ug/l | # | 77 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 29049 | 4.903 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 29934 | 4.940 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30674 | 5.040 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 37899 | 5.105 | ug/l | | 96 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 29412 | 4.878 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 16008 | 4.959 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 15837 | 4.831 | ug/l | | 89 |
| 89) n-Butylbenzene | 12.335 | 91 | 24938 | 4.691 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 4279 | 4.173 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 16747 | 5.140 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 2454 | 4.814 | ug/l | | 85 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 8746 | 4.553 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 3713 | 4.891 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 32485 | 4.698 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 9280 | 4.773 | ug/l | | 96 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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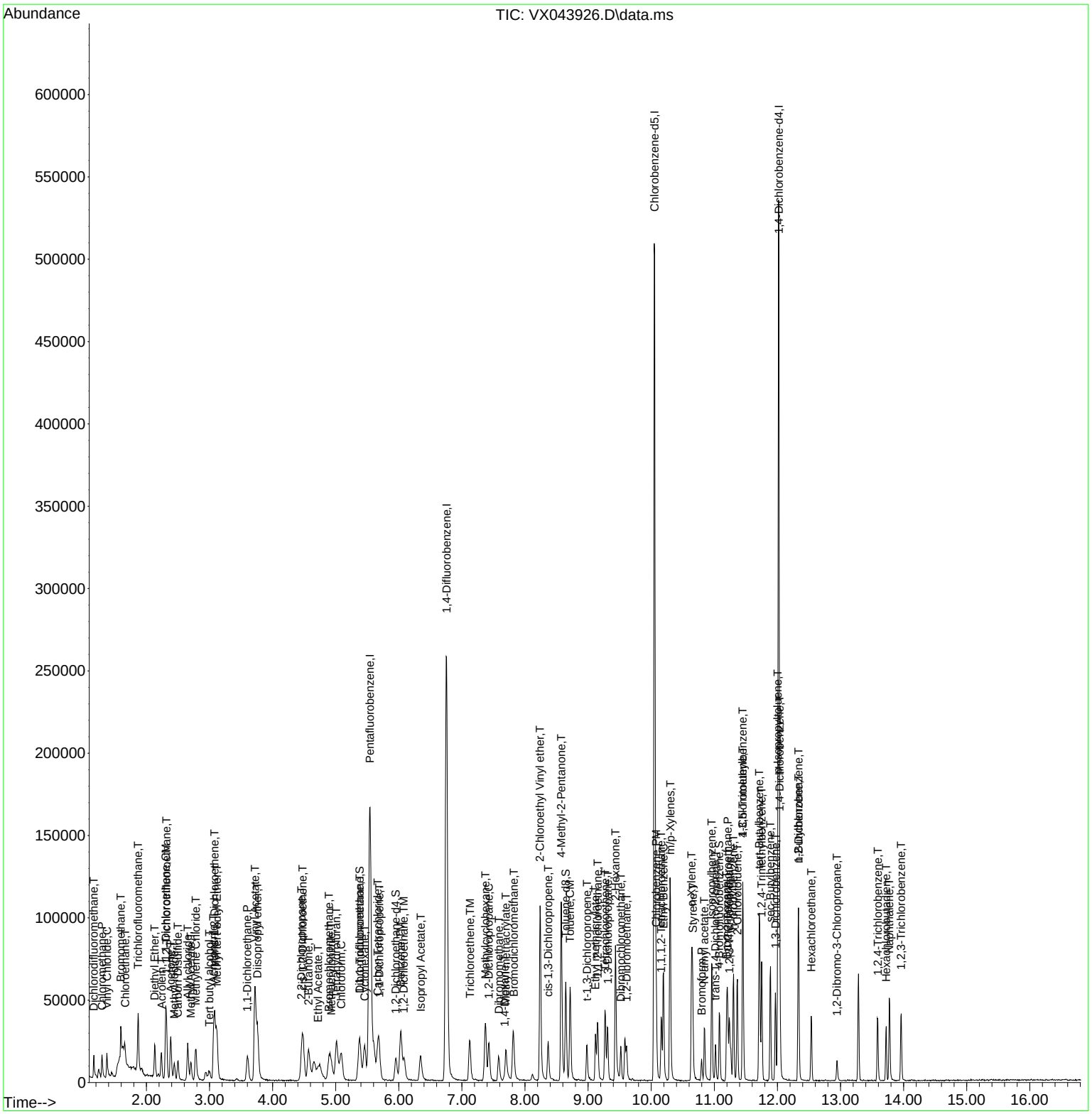
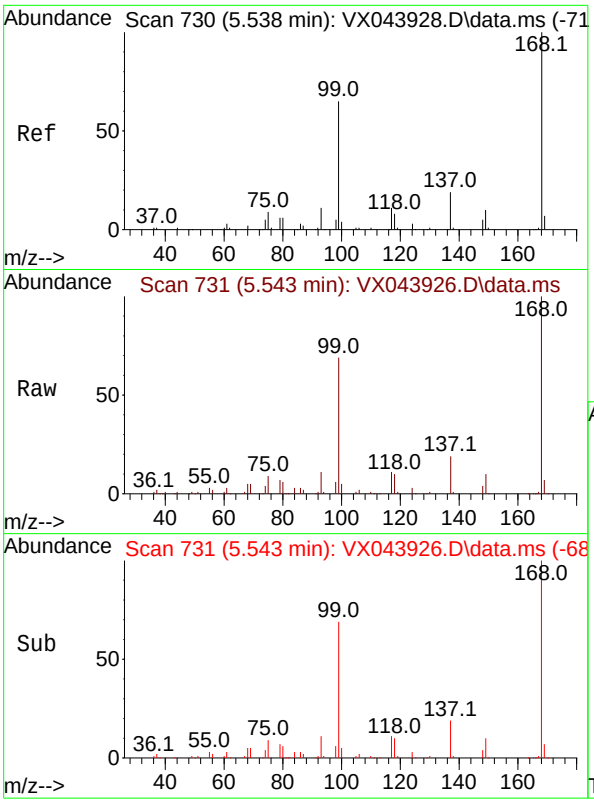





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

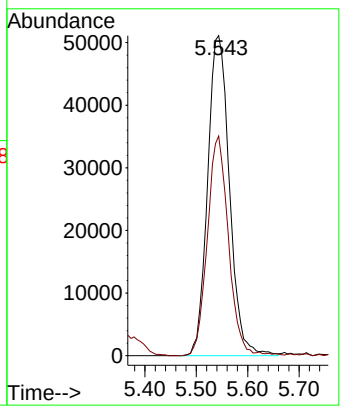
Tgt Ion:168 Resp: 15079

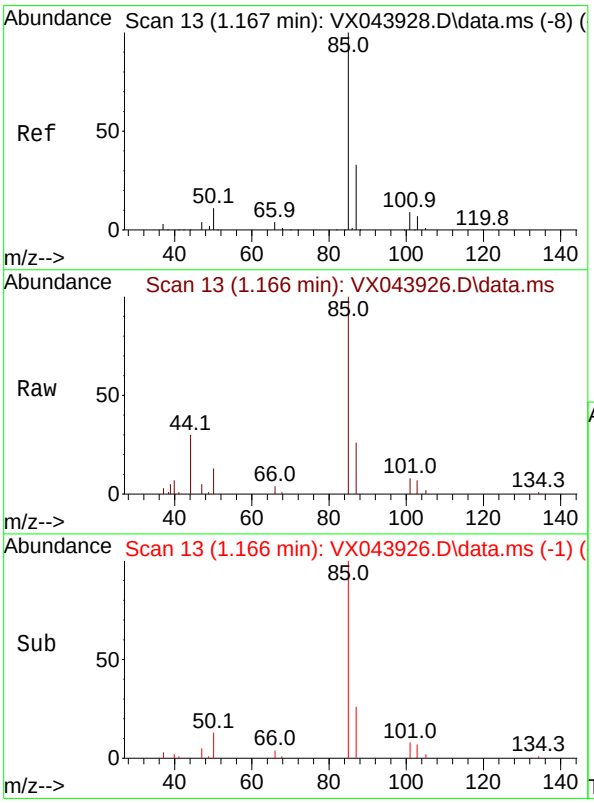
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.6 | 51.8 | 77.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

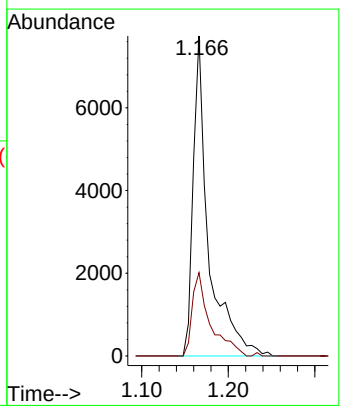


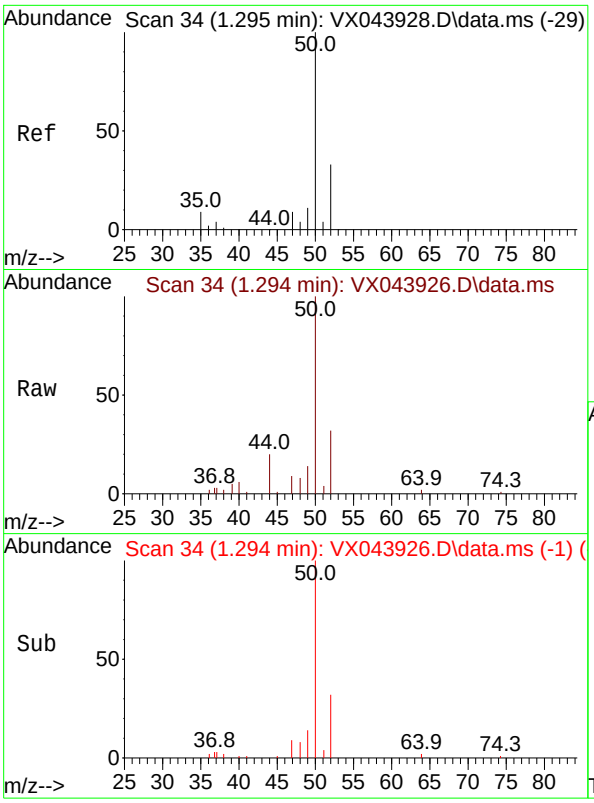




#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 26.0 | 16.6 | 49.8 |

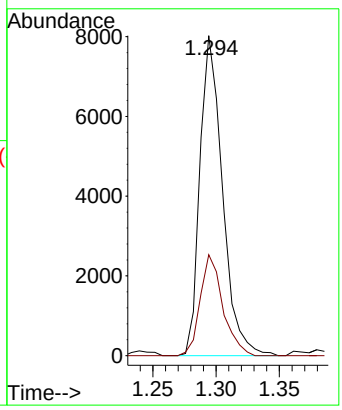





#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 50 Resp: 998

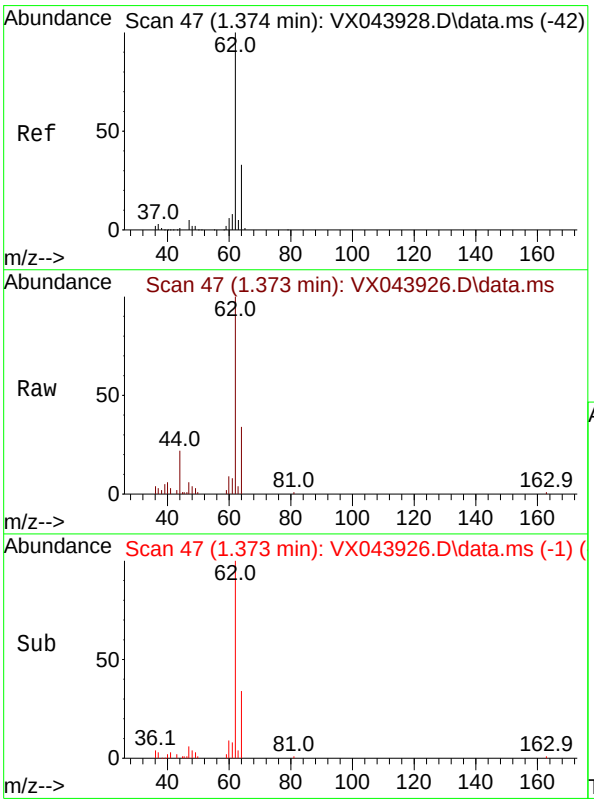
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

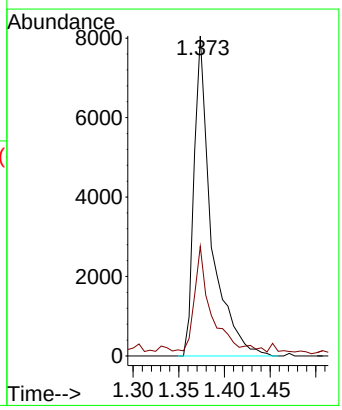
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

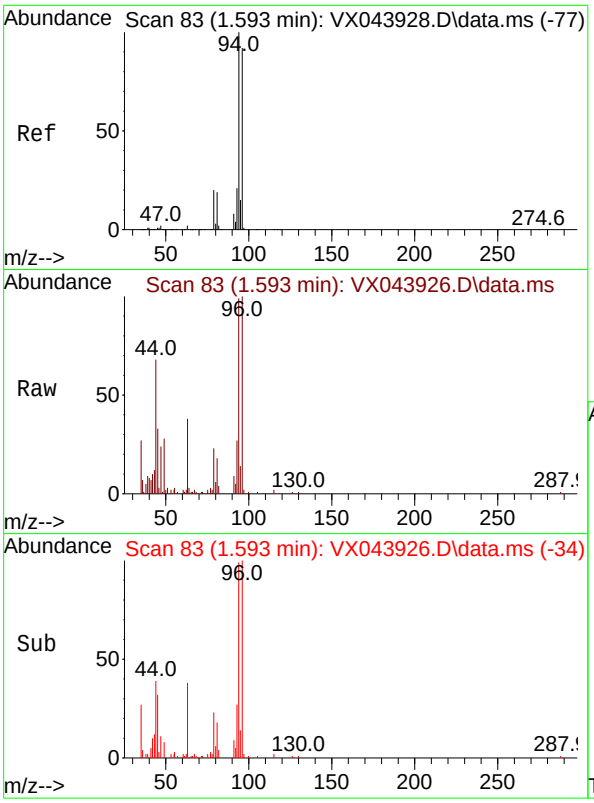



#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.2 | 39.4 |

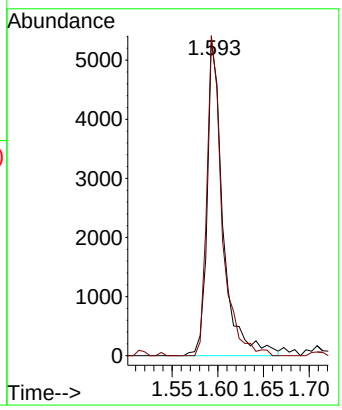





#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 94 Resp: 641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 101.5 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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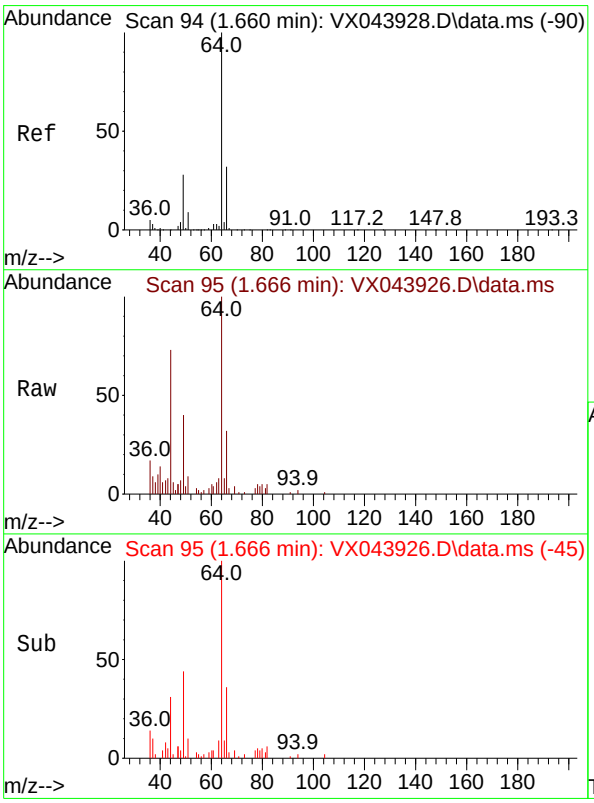
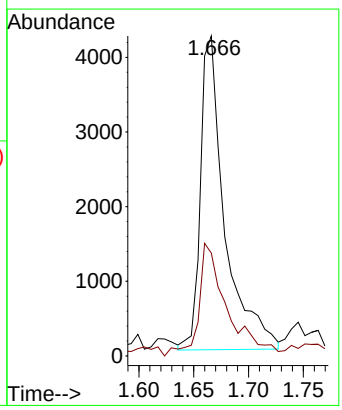
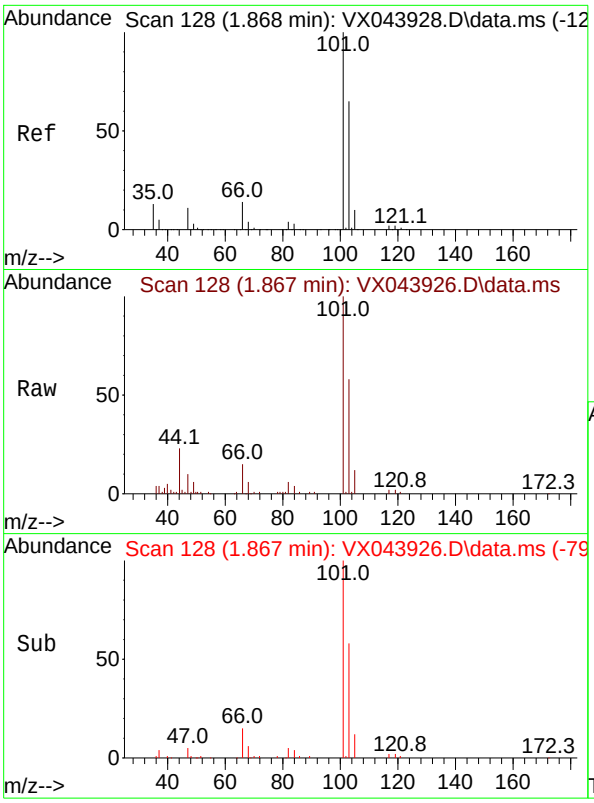



#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 25.9 | 38.9 |

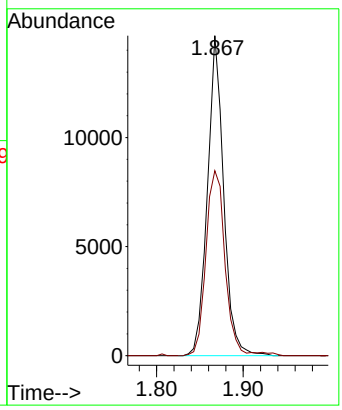





#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:101 Resp: 1909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.8 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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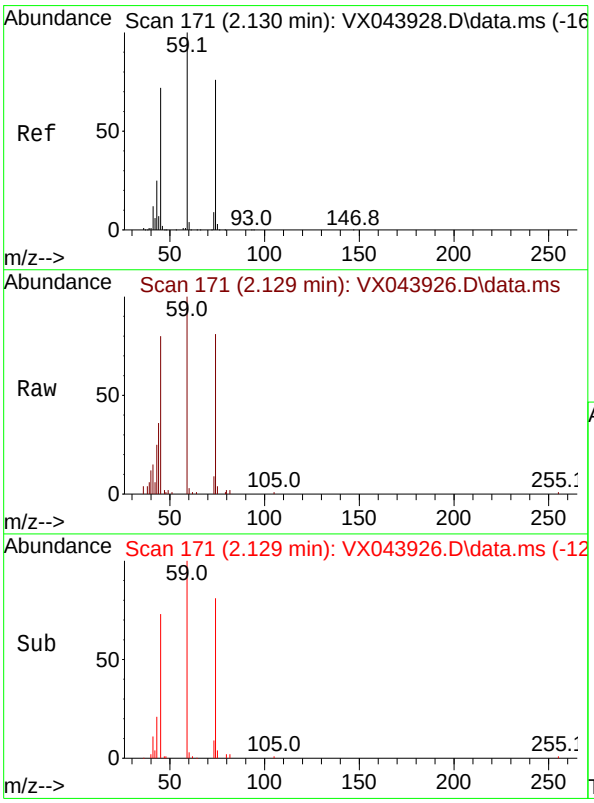
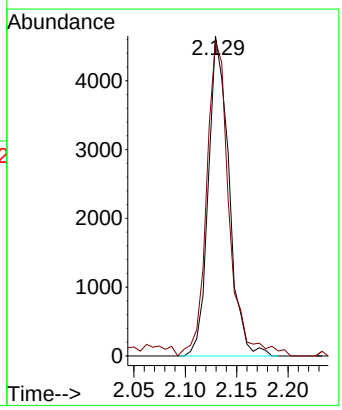
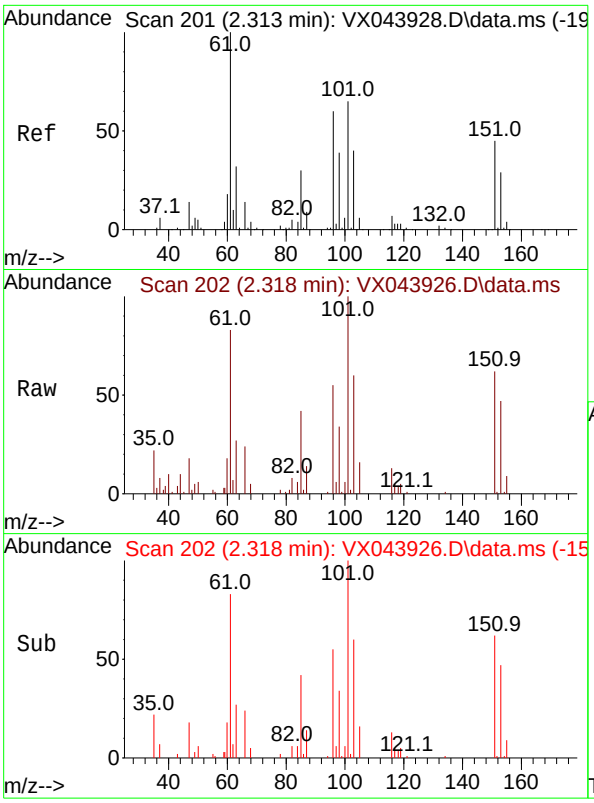



#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.9 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.4 | 37.9 | 56.9 |
| 151 | 70.3 | 57.5 | 86.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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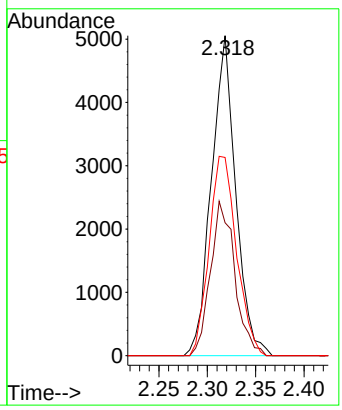
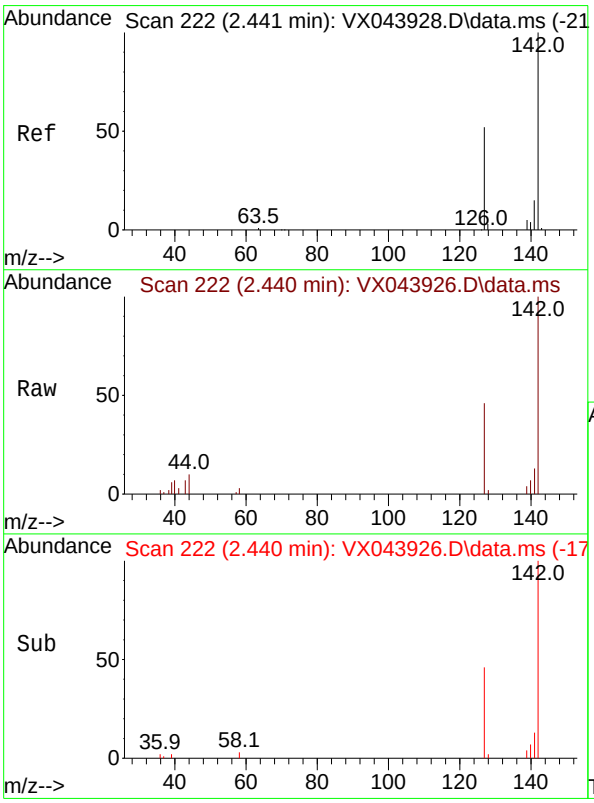
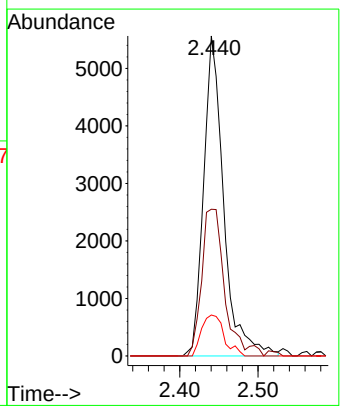


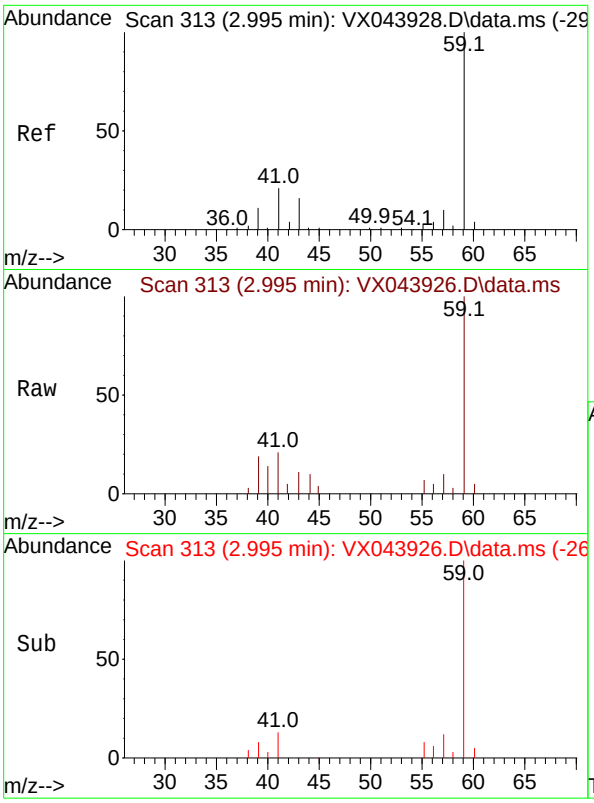




#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 40.7 | 61.1 |
| 141 | 14.4 | 12.0 | 18.0 |

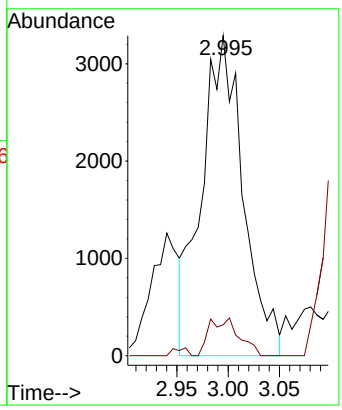





#11
Tert butyl alcohol
Concen: 22.349 ug/l m
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 59 Resp: 927

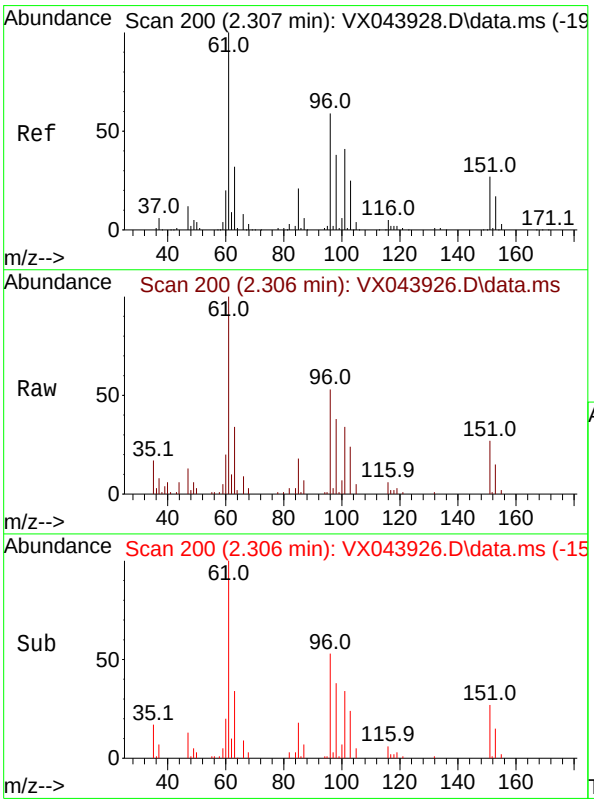
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 8.4 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

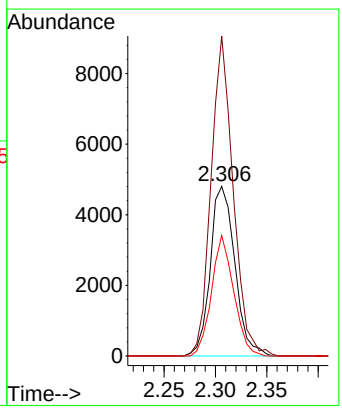
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

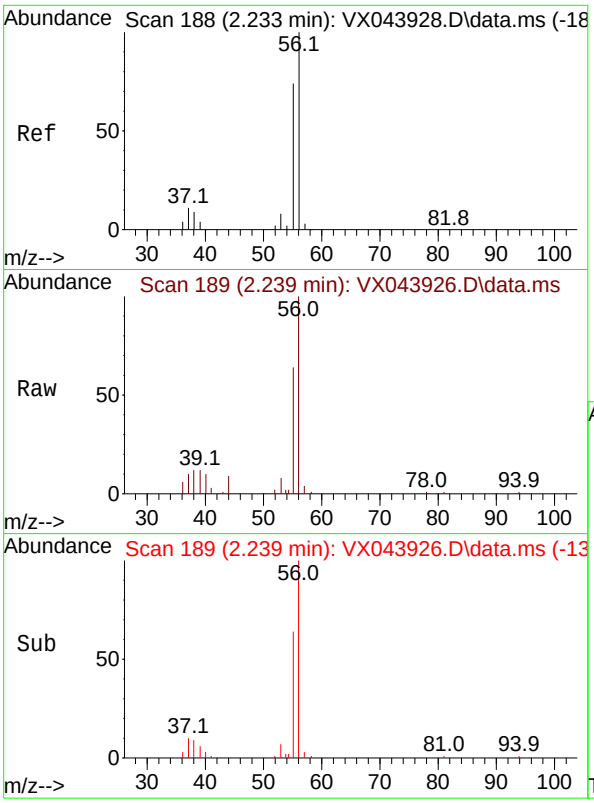



#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 188.7 | 135.5 | 203.3 |
| 98 | 71.1 | 50.8 | 76.2 |

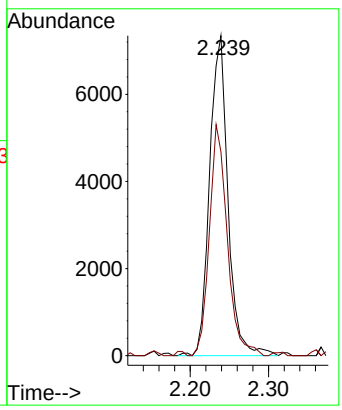





#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 56 Resp: 1194

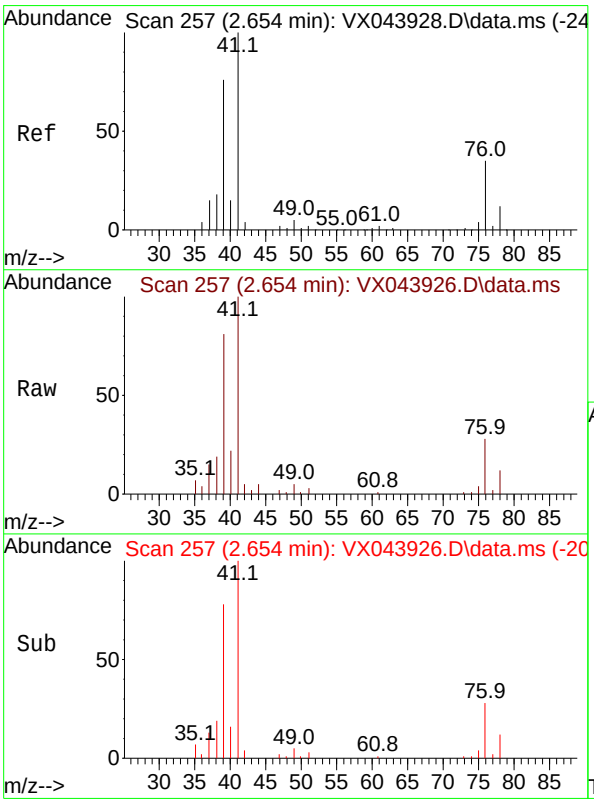
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

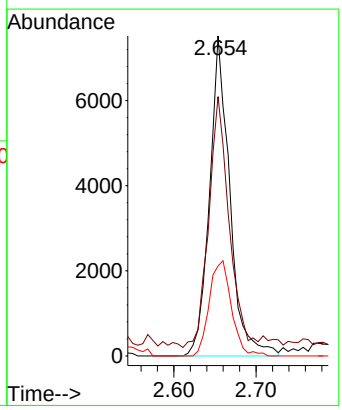
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

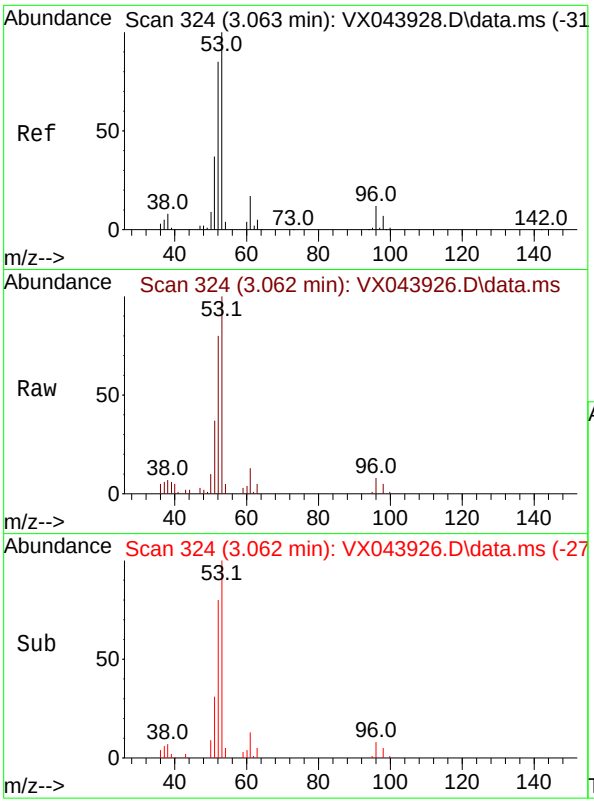



#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.5 | 59.5 | 89.3 |
| 76 | 32.4 | 27.4 | 41.2 |

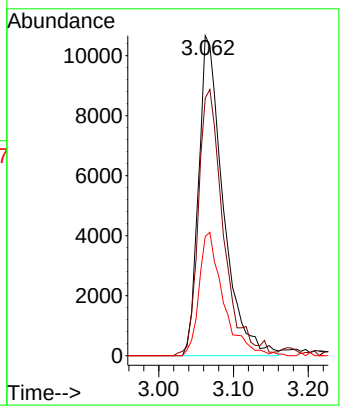





#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 53 Resp: 2429

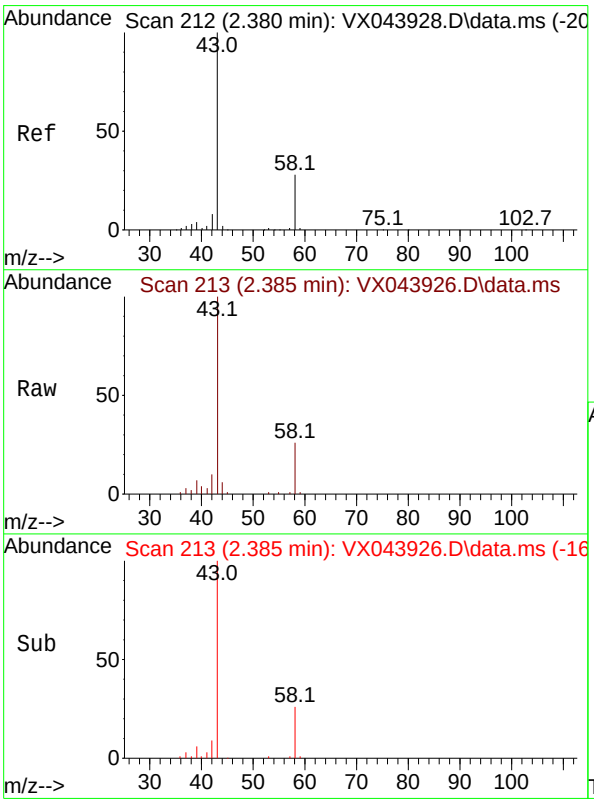
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.7 | 66.5 | 99.7 |
| 51 | 38.0 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

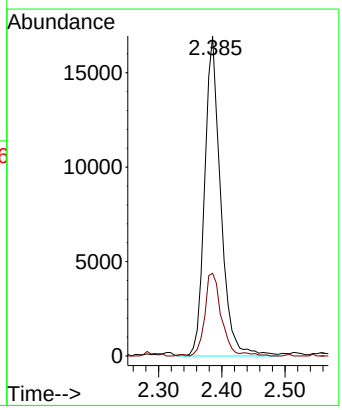
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

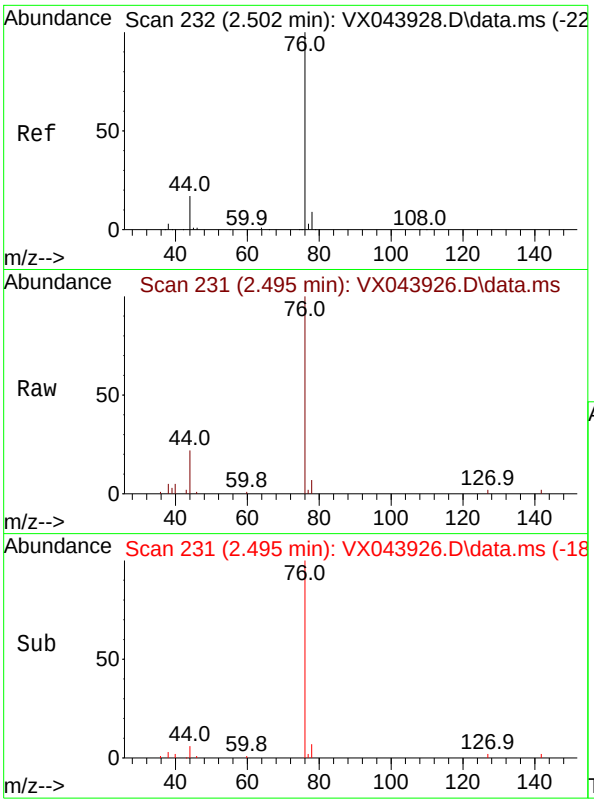



#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.9 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

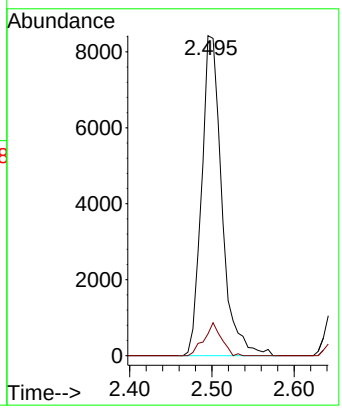
Tgt Ion: 76 Resp: 1441

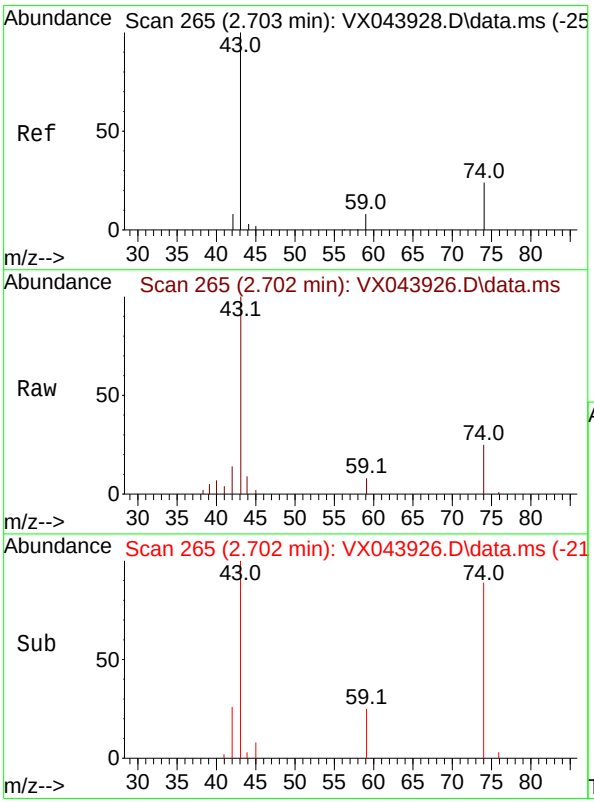
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.8 | 7.0 | 10.6# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

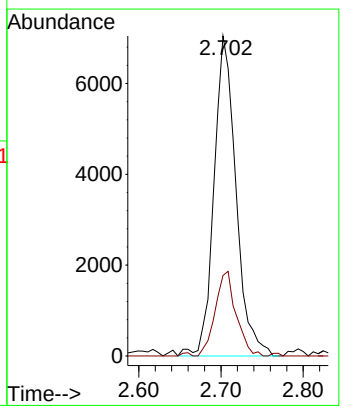


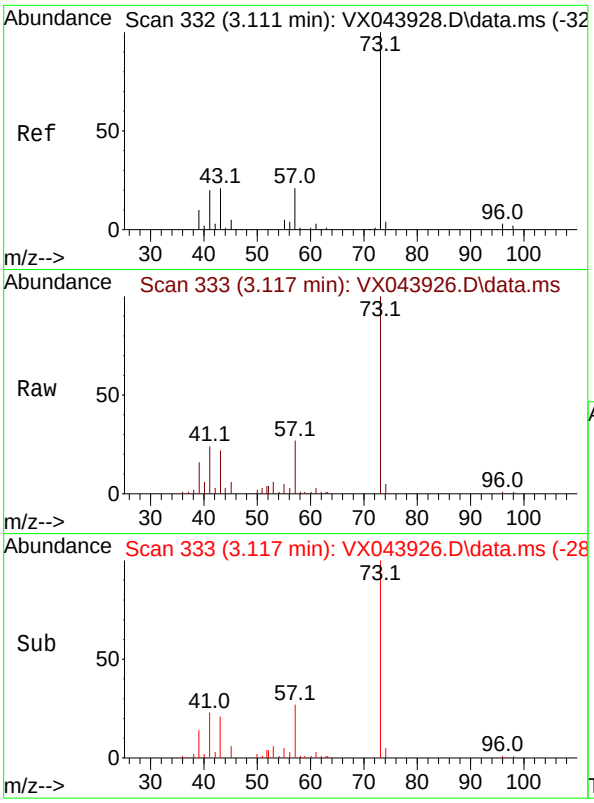




#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.0 | 18.9 | 28.3 |






#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

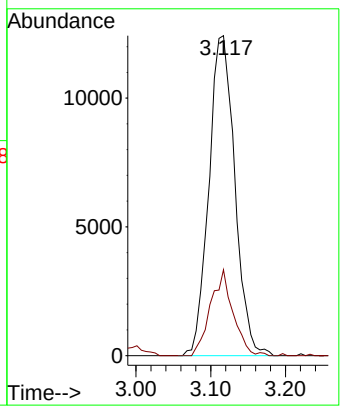
Tgt Ion: 73 Resp: 3002

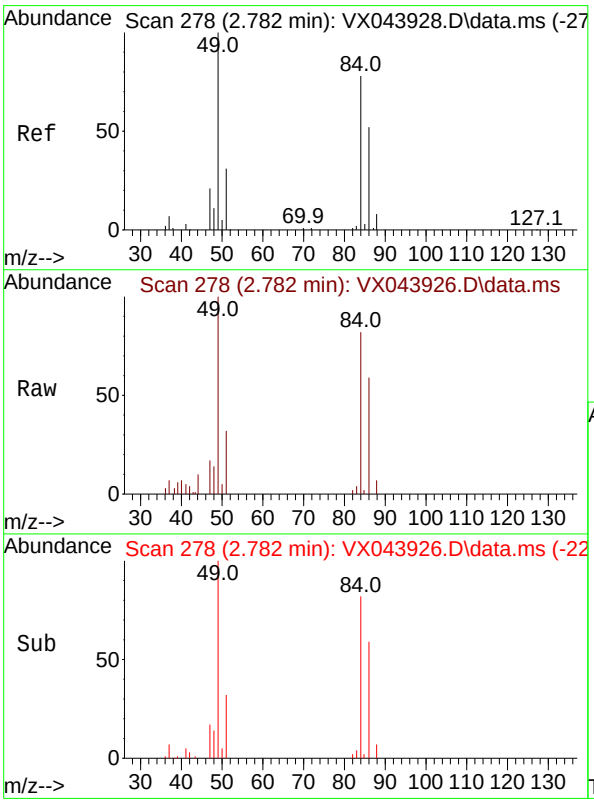
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.8 | 17.0 | 25.6# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

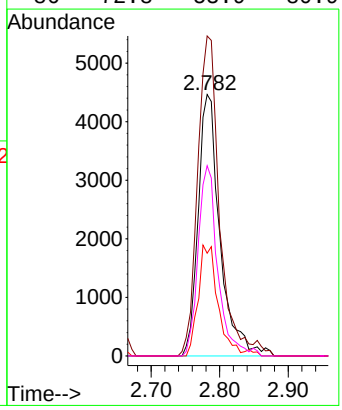


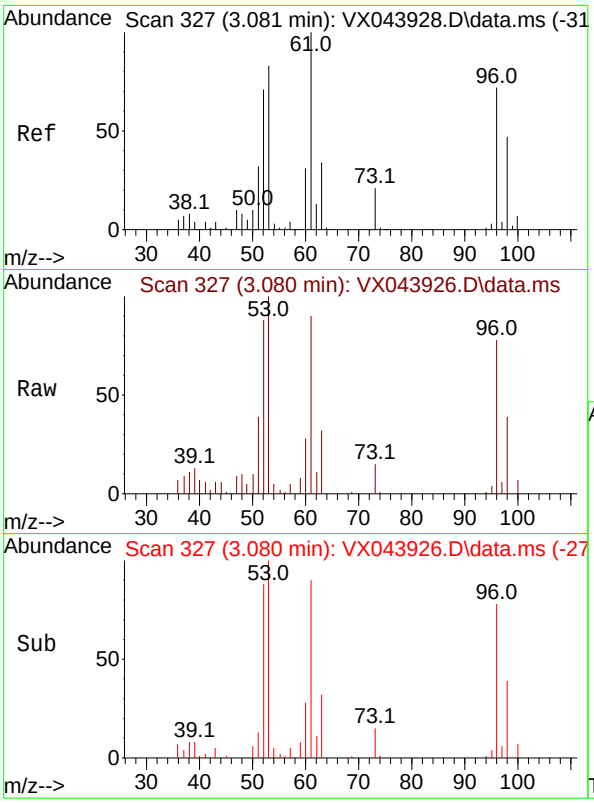




#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.4 | 102.7 | 154.1 |
| 51 | 39.3 | 31.7 | 47.5 |
| 86 | 72.8 | 53.9 | 80.9 |






#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

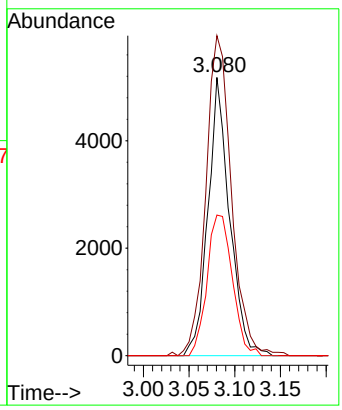
Tgt Ion: 96 Resp: 848

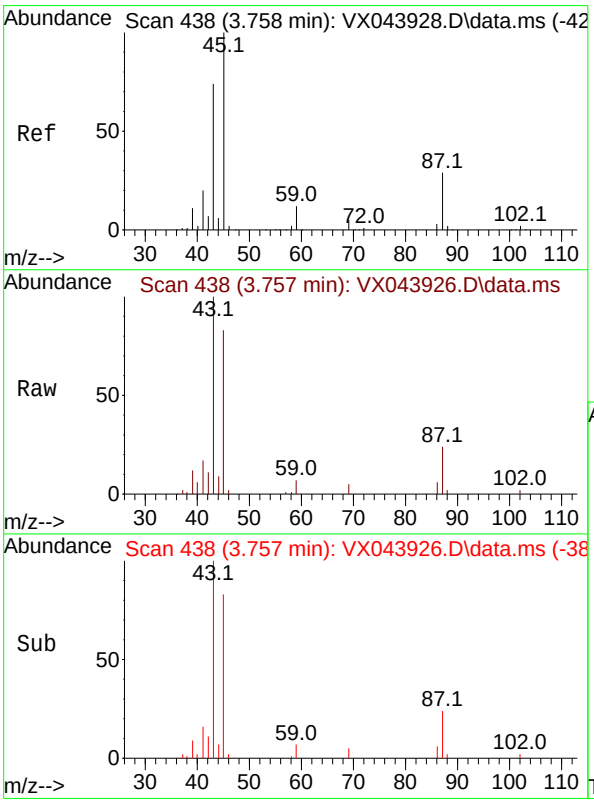
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.0 | 111.8 | 167.6 |
| 98 | 50.6 | 52.7 | 79.1# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

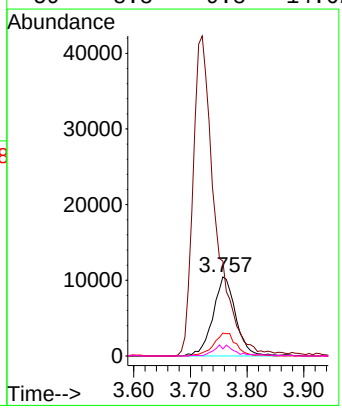


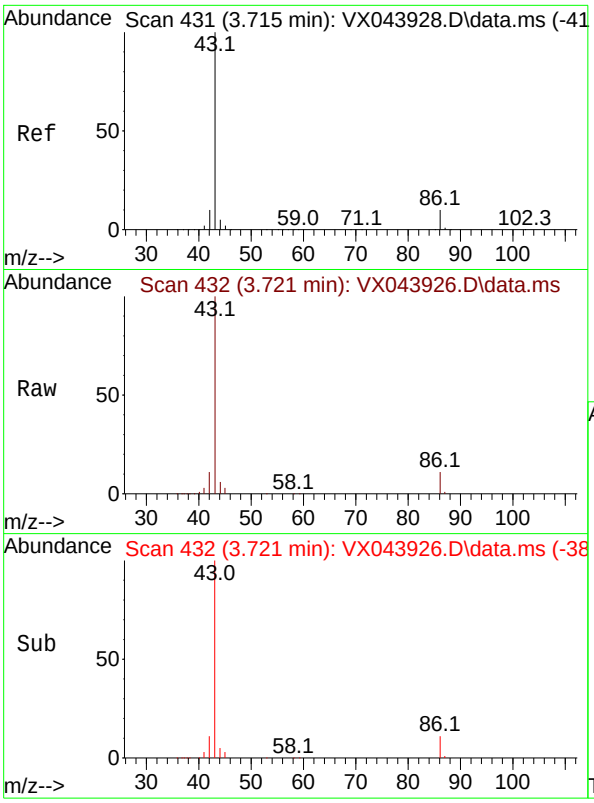




#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 118.7 | 59.6 | 89.4# |
| 87 | 29.0 | 22.9 | 34.3 |
| 59 | 8.8 | 9.8 | 14.6# |






#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

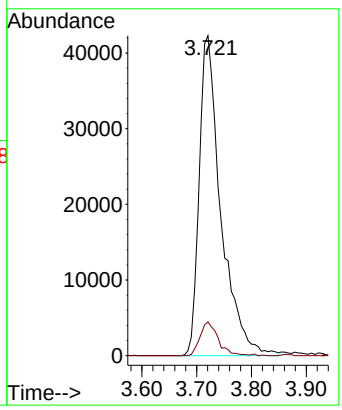
Tgt Ion: 43 Resp: 11624

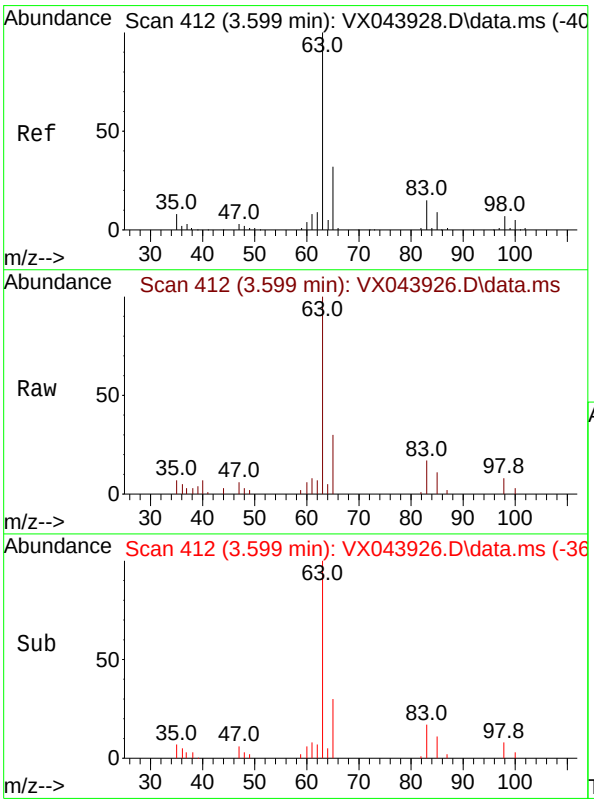
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

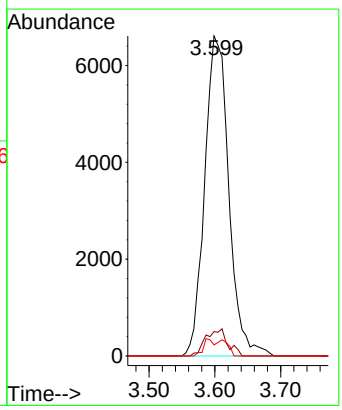


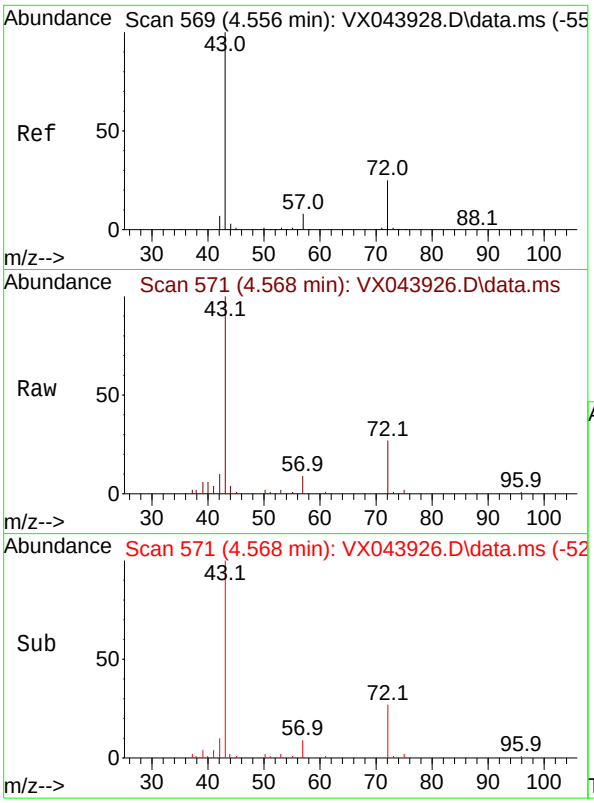




#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.5 | 10.6 |
| 100 | 3.5 | 2.4 | 7.1 |






#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 3668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.4 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

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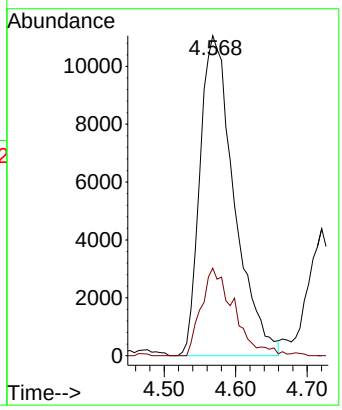
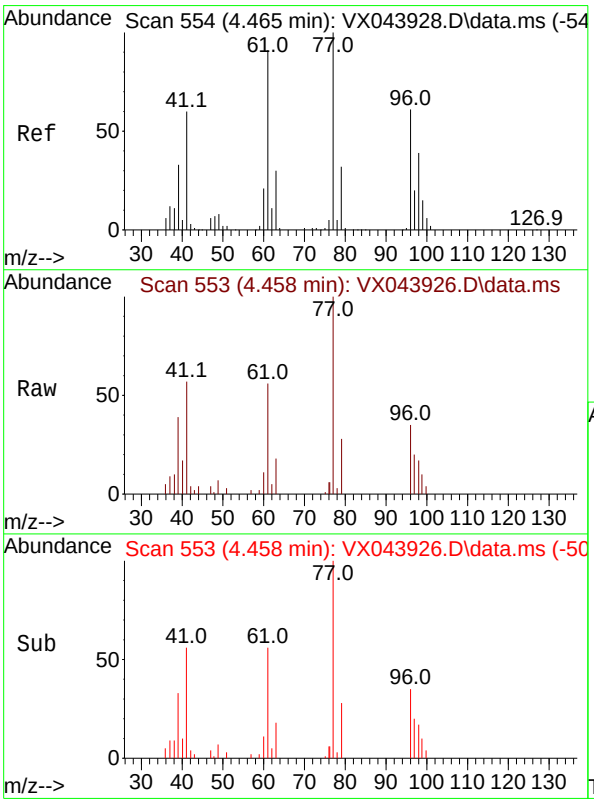
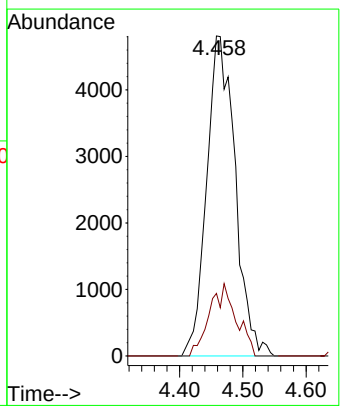


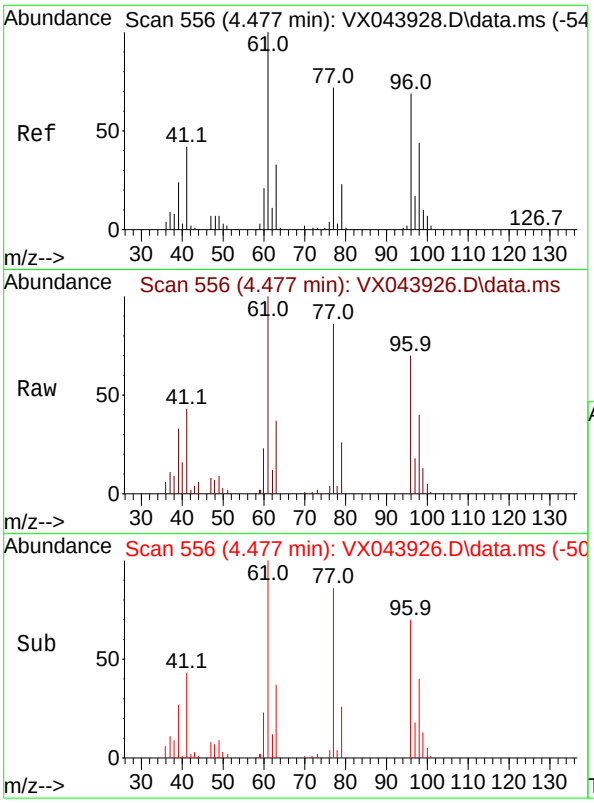




#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 10.0 | 10.8 | 32.3# |






#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 1015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.7 | 0.0 | 297.4 |
| 98 | 64.3 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

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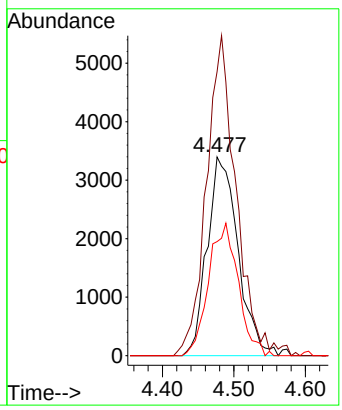
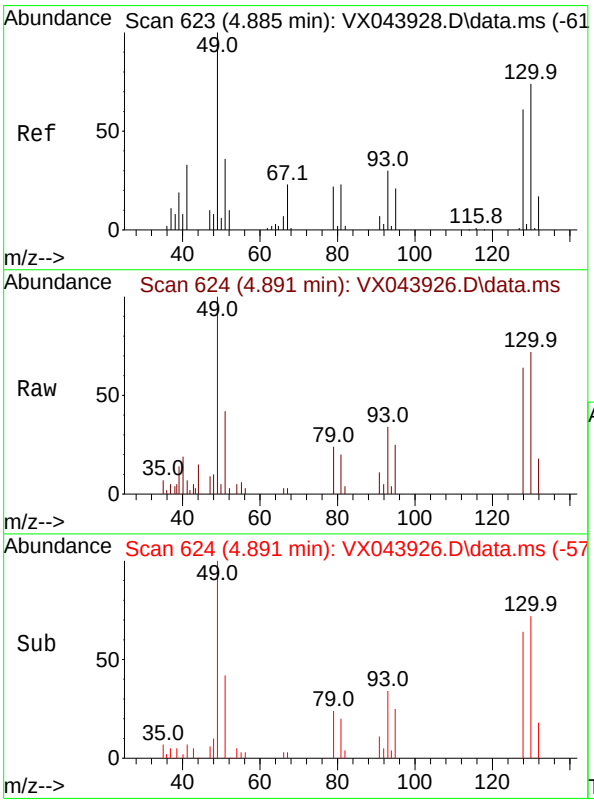
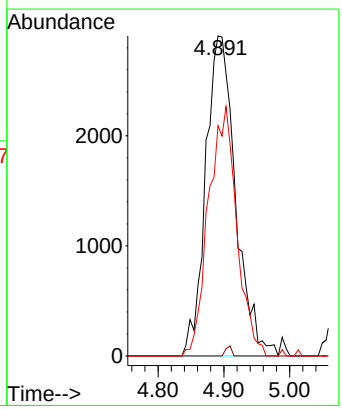


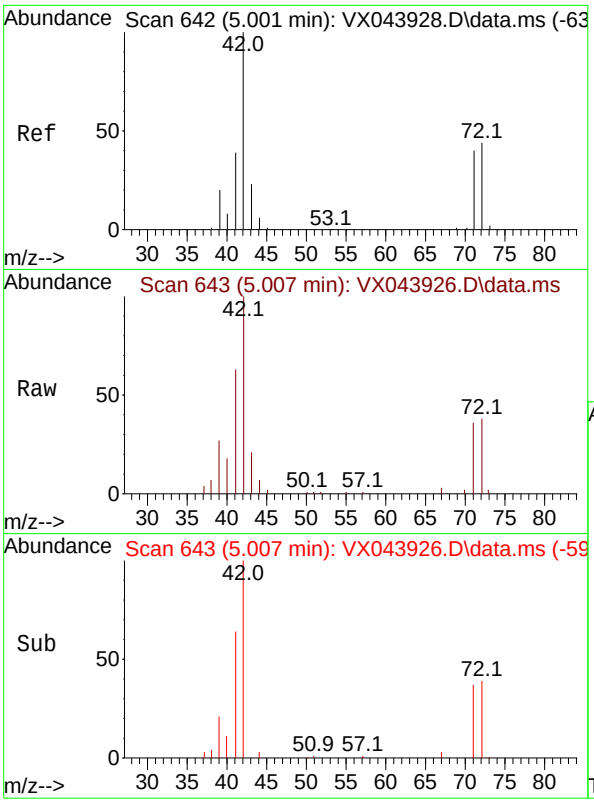




#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.6 | 0.0 | 4.0 |
| 130 | 73.5 | 59.0 | 88.6 |






#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

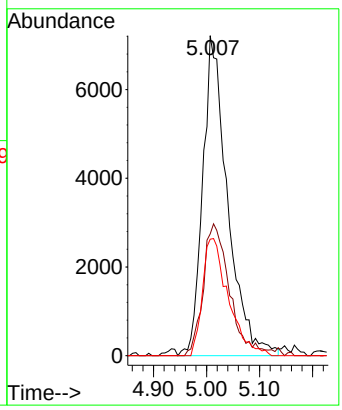
Tgt Ion: 42 Resp: 2351

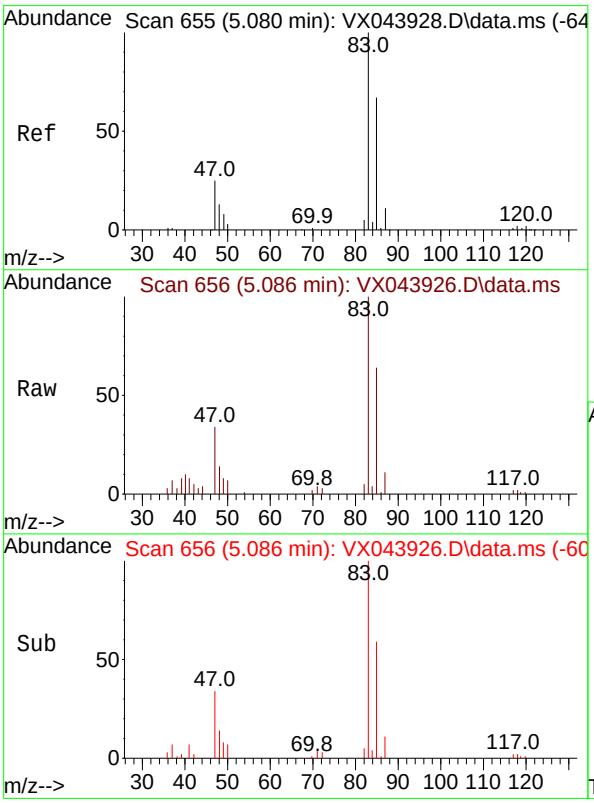
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 36.4 | 54.6 |
| 71 | 38.1 | 33.4 | 50.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

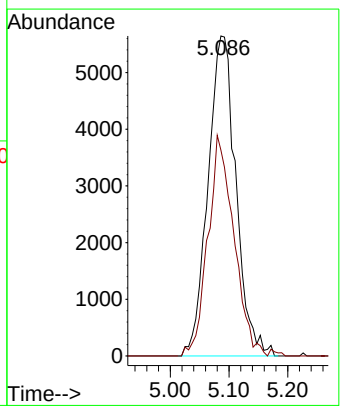


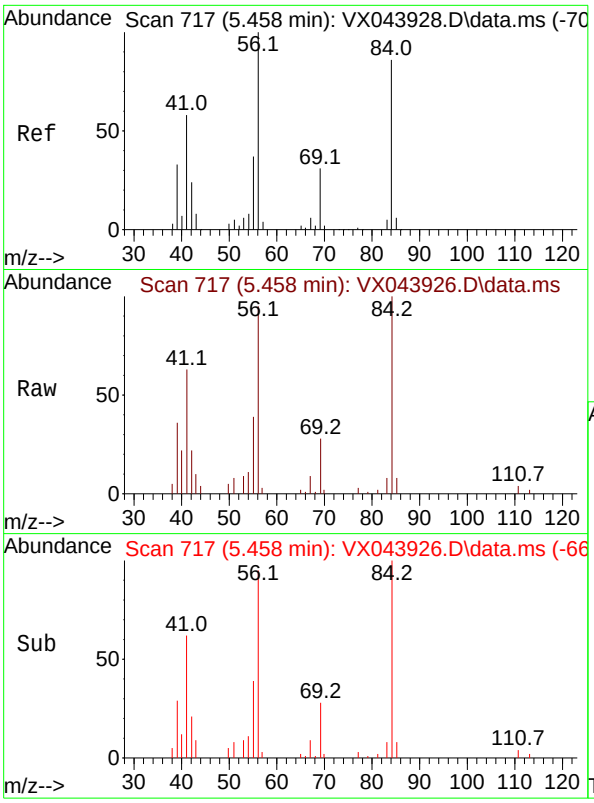




#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

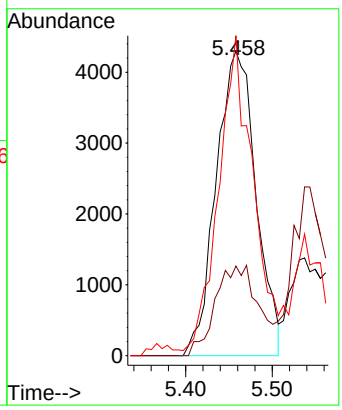
Tgt Ion: 56 Resp: 1374

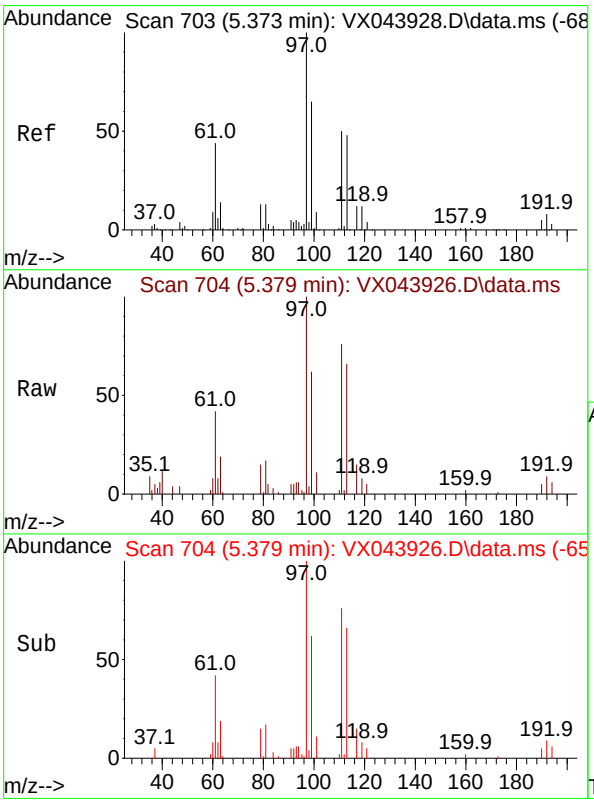
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.5 | 24.7 | 37.1 |
| 84 | 103.2 | 68.7 | 103.1# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

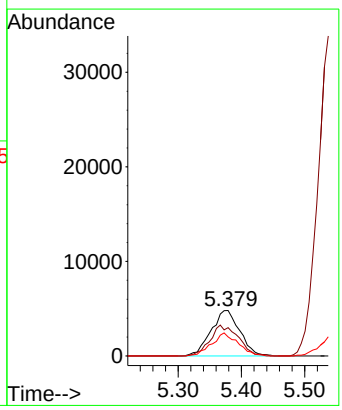


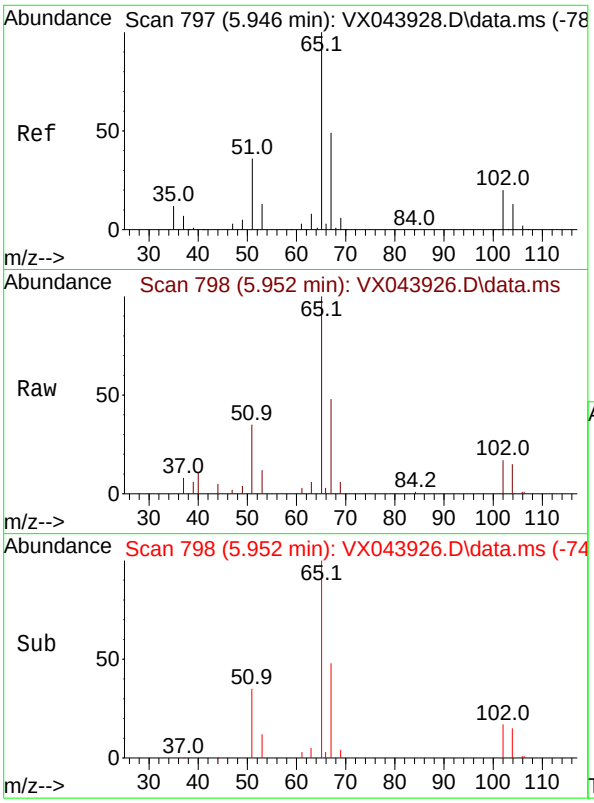




#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.9 | 50.8 | 76.2 |
| 61 | 46.2 | 35.4 | 53.2 |

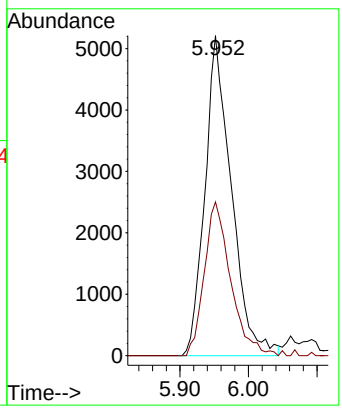





#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 65 Resp: 1396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 47.8 | 0.0 | 100.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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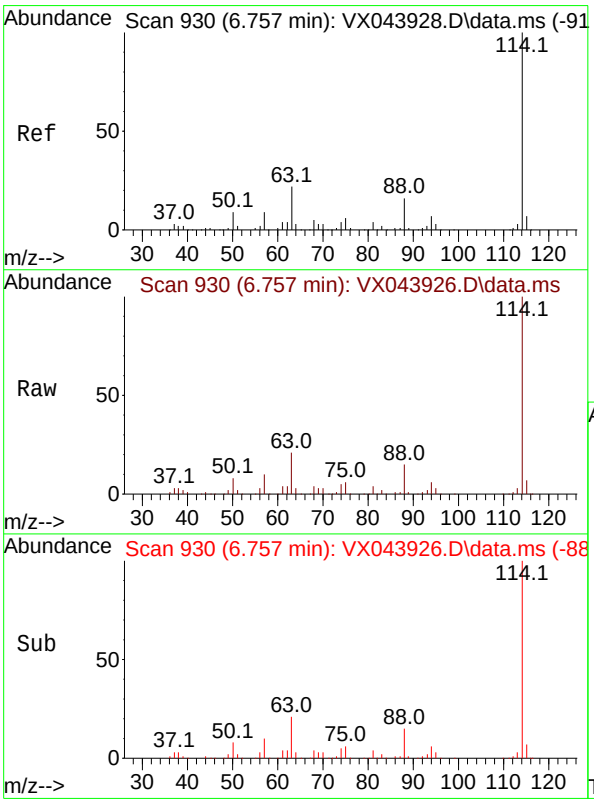
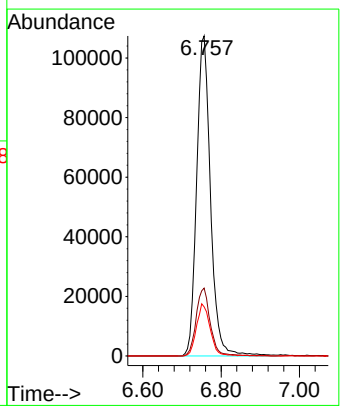
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

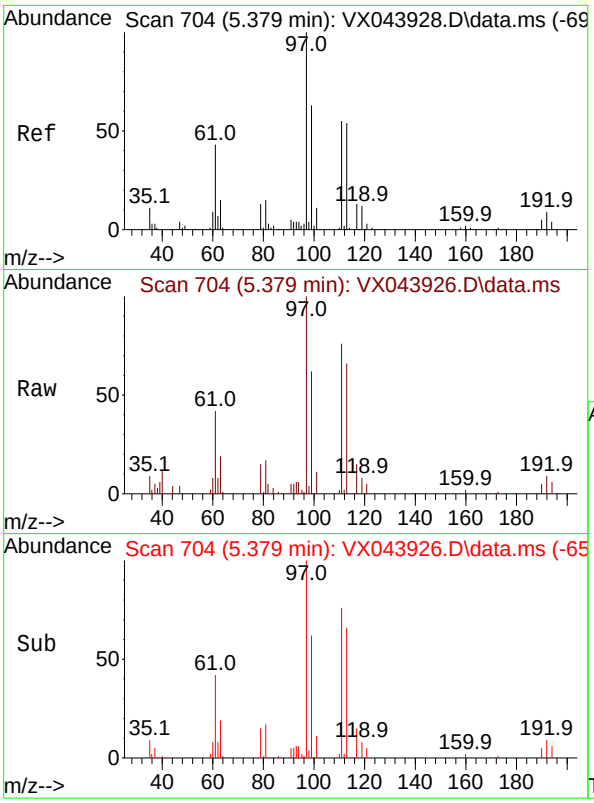



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 15.4 | 0.0 | 32.4 |

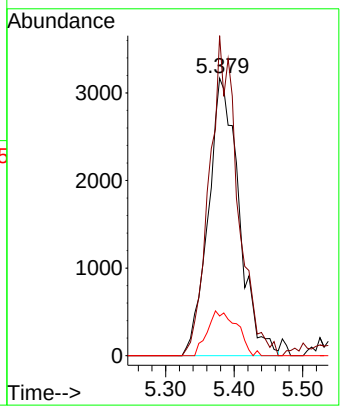





#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:113 Resp: 984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 107.2 | 81.0 | 121.4 |
| 192 | 15.6 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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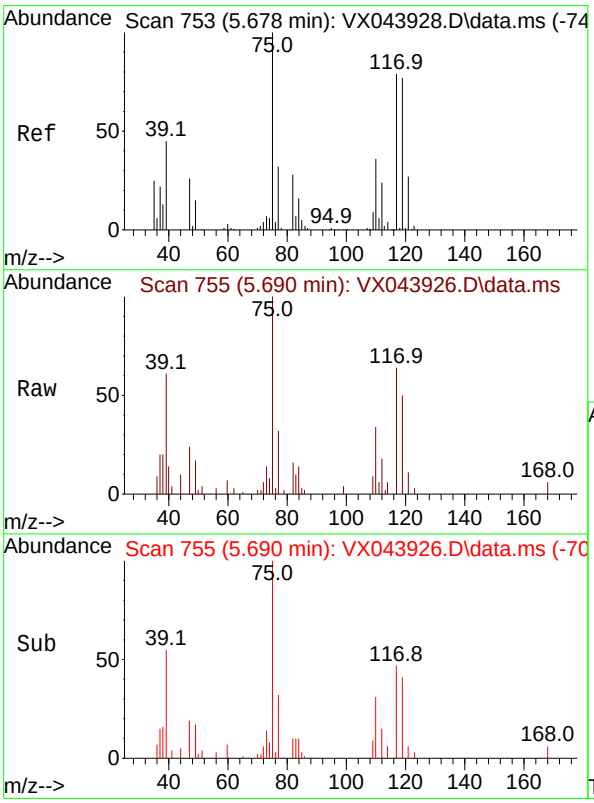
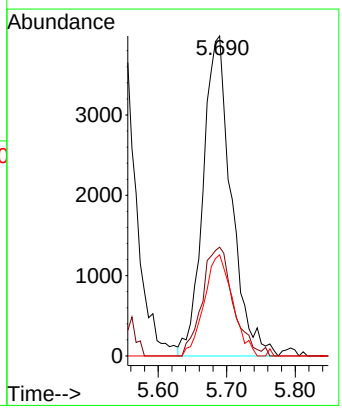
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

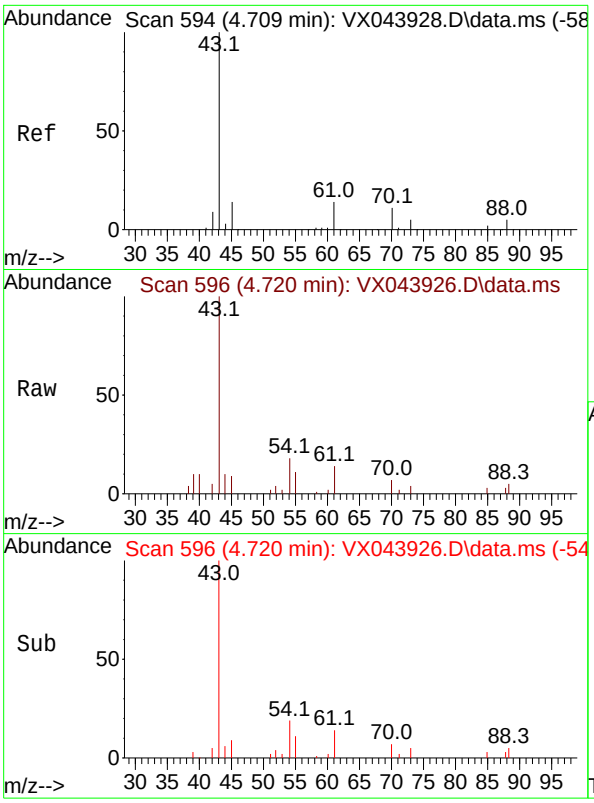



#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.4 | 17.4 | 52.2 |
| 77 | 31.6 | 25.8 | 38.8 |

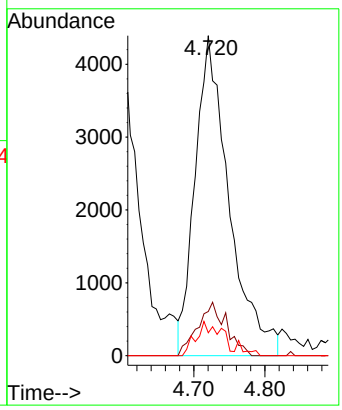





#37
Ethyl Acetate
Concen: 4.968 ug/l m
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 1455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 14.1 | 10.7 | 16.1 |
| 70 | 7.8 | 8.0 | 12.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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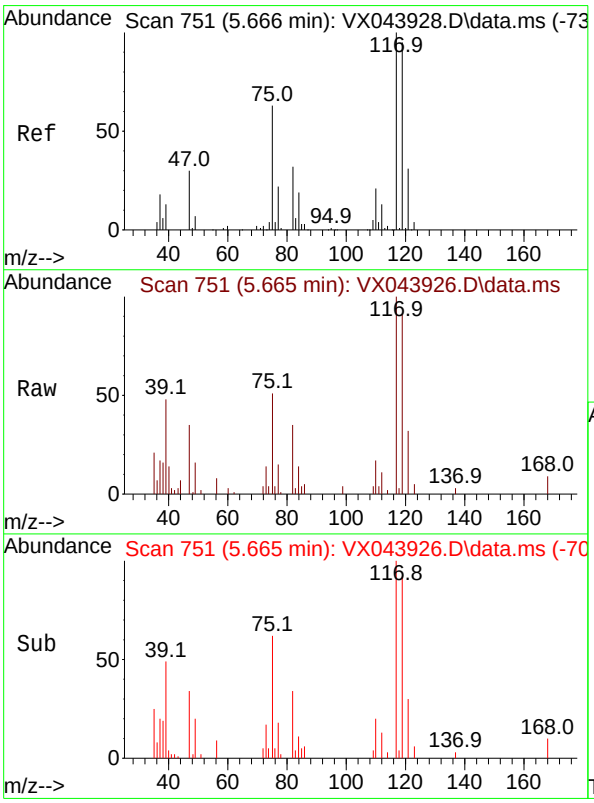
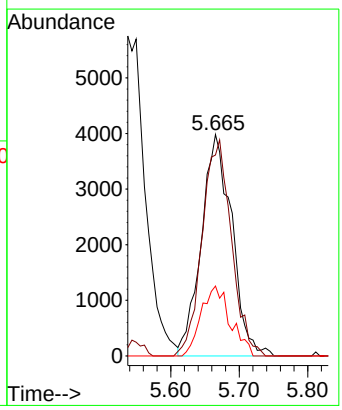
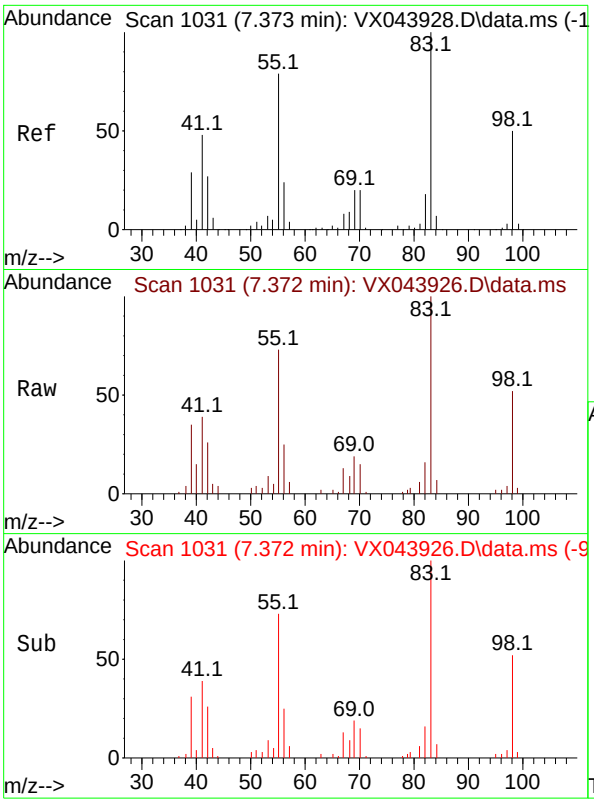



#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.7 | 75.2 | 112.8 |
| 121 | 31.5 | 24.5 | 36.7 |

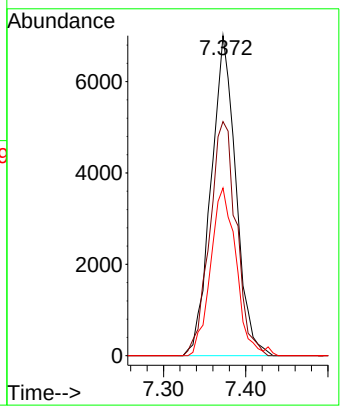





#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 63.1 | 94.7 |
| 98 | 52.4 | 40.0 | 60.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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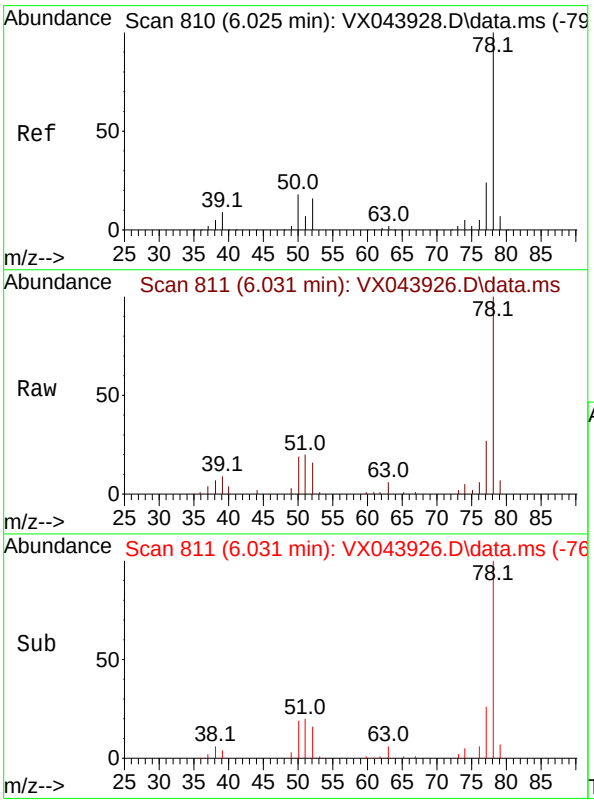
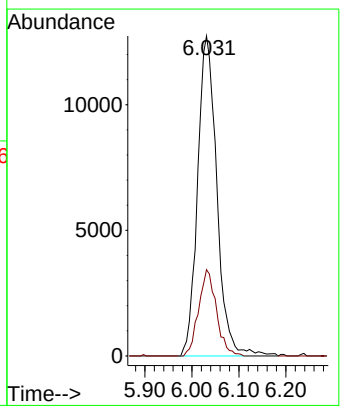
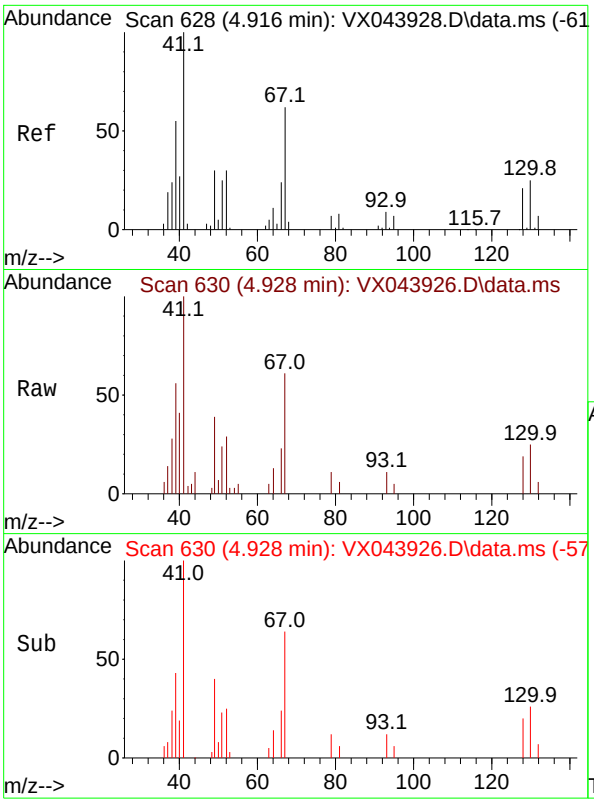



#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 27.0 | 19.2 | 28.8 |

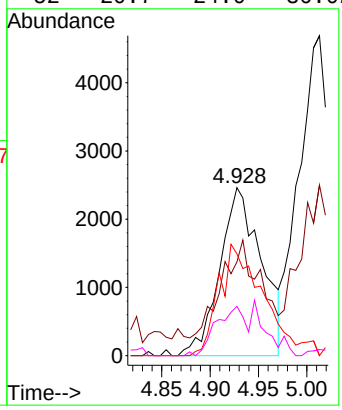





#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.5 | 41.7 | 62.5 |
| 67 | 72.4 | 55.8 | 83.8 |
| 52 | 20.7 | 24.0 | 36.0# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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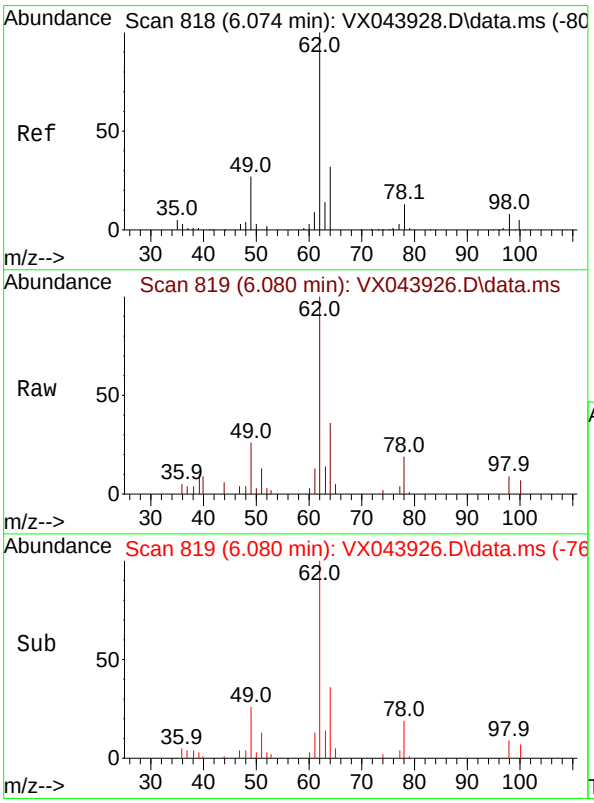
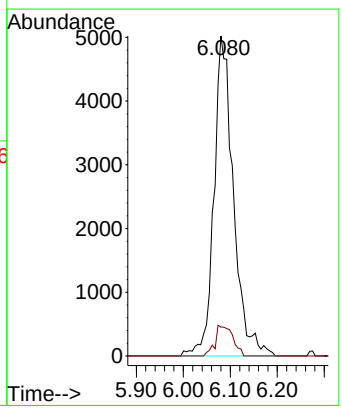
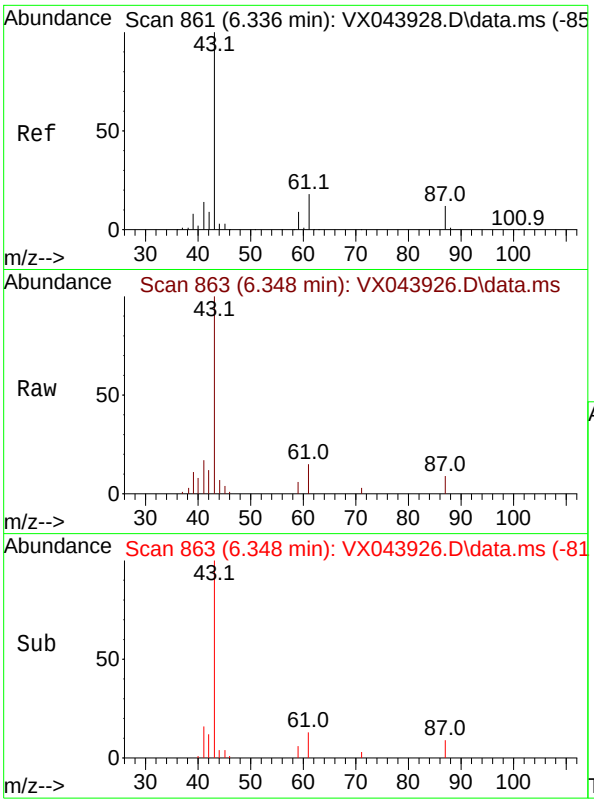



#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 16.4 |

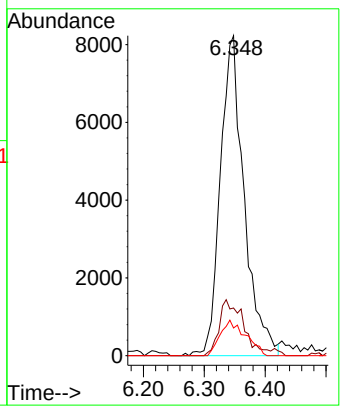





#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 2226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 11.9 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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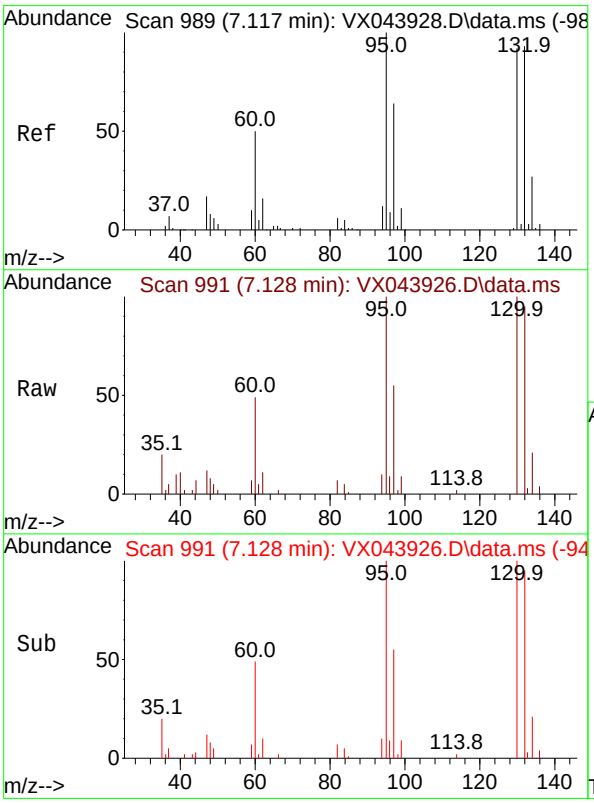
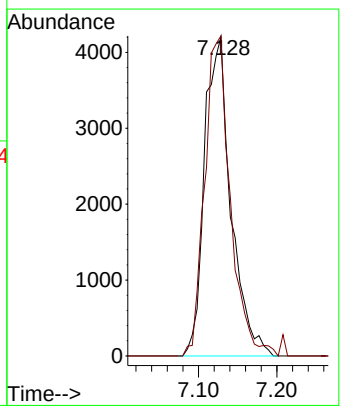
Supervised By :Mahesh Dadoda 11/22/2024

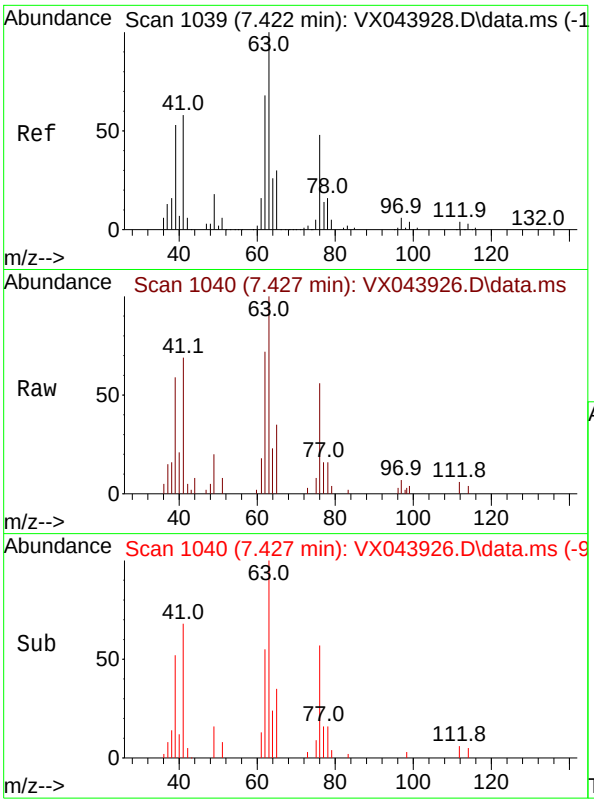



#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 217.8 |

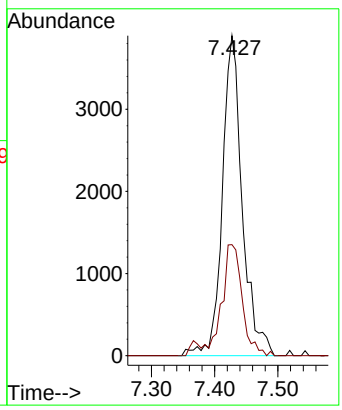





#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.7 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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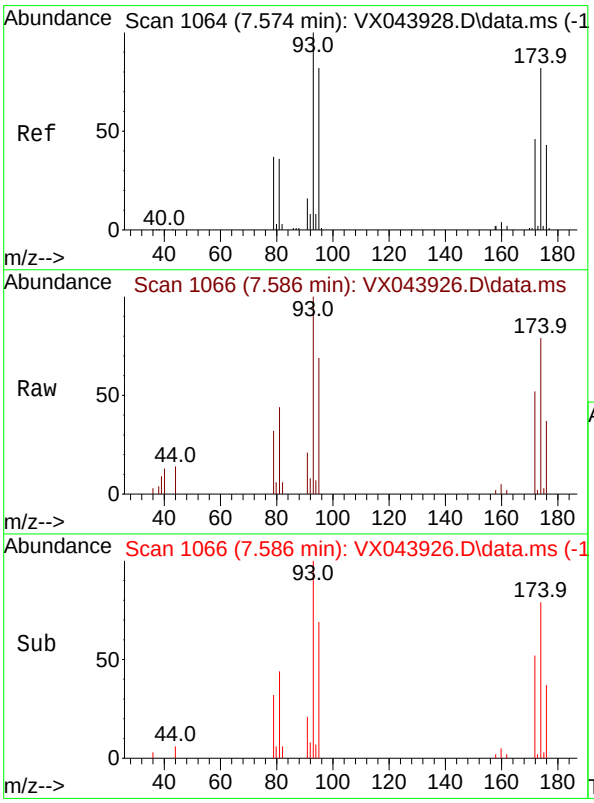
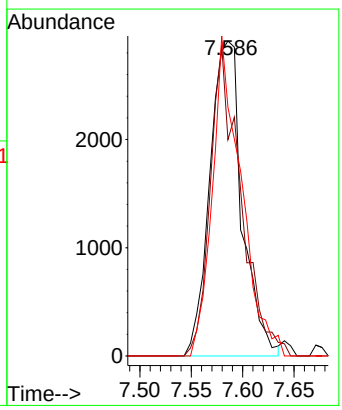
Supervised By :Mahesh Dadoda 11/22/2024

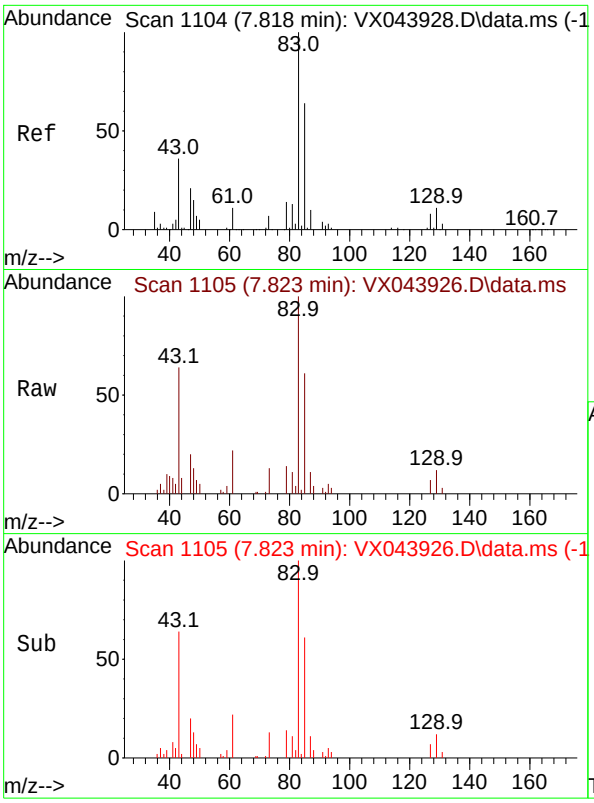



#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 92.5 | 66.2 | 99.4 |
| 174 | 90.3 | 69.6 | 104.4 |

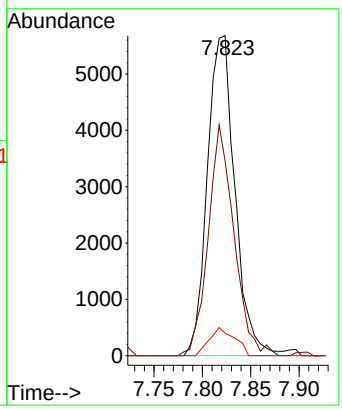





#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.8 | 51.4 | 77.0 |
| 127 | 7.1 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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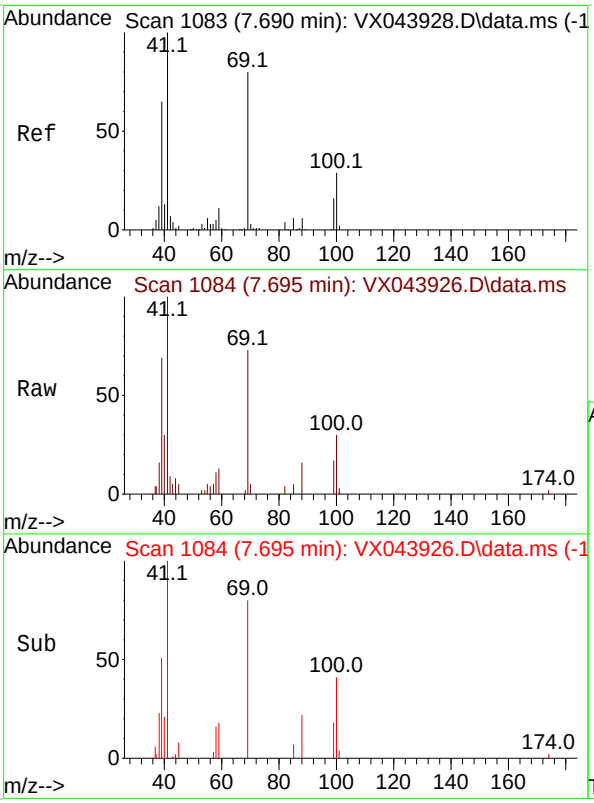
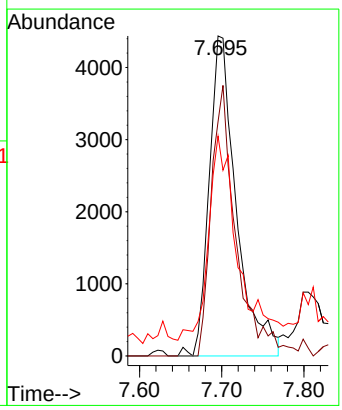
Supervised By :Mahesh Dadoda 11/22/2024

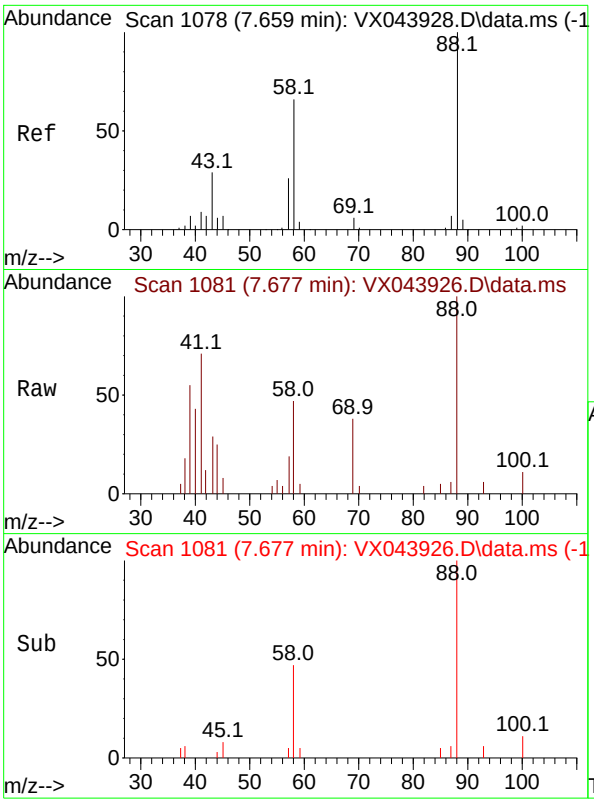



#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 64.6 | 97.0 |
| 39 | 60.5 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 106.070 ug/l m
RT: 7.677 min Scan# 1(
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 88 Resp: 409(

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 26.8 | 40.2# |
| 58 | 49.5 | 45.4 | 68.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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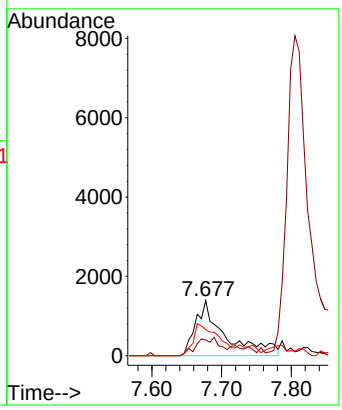
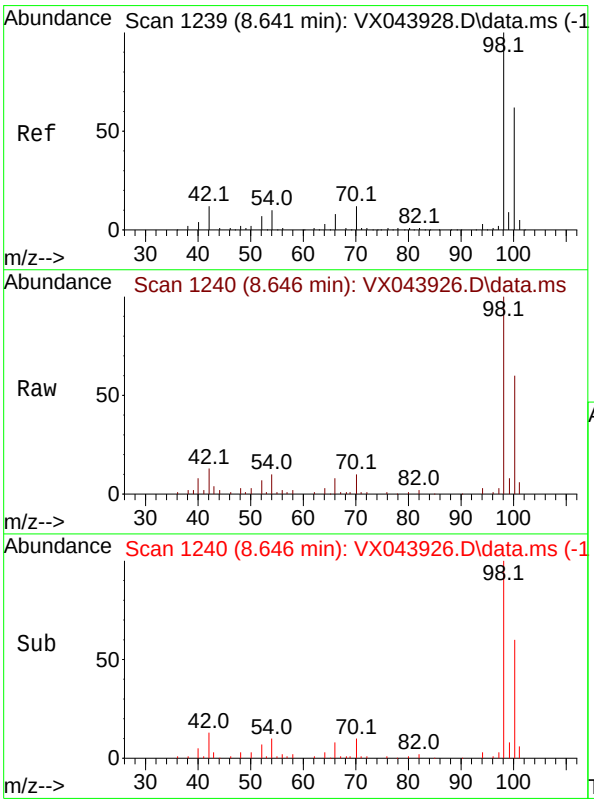
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

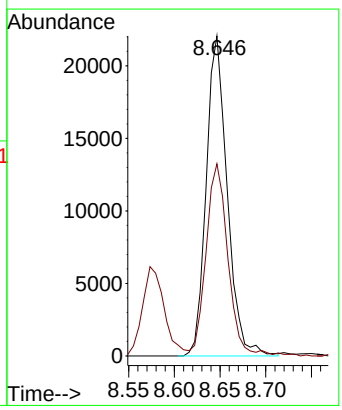


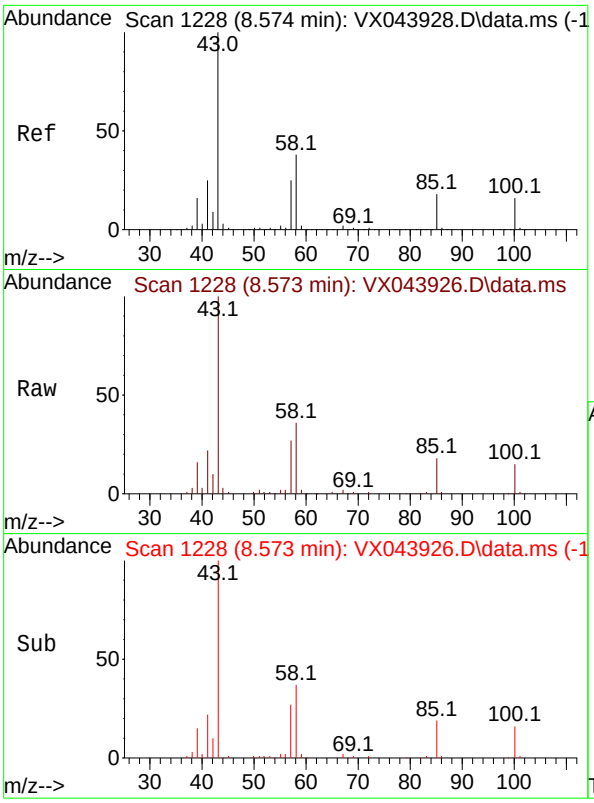




#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.7 | 52.6 | 79.0 |






#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

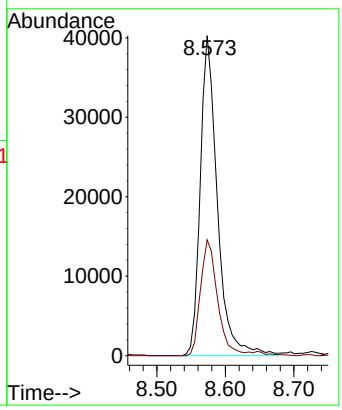
Tgt Ion: 43 Resp: 6984

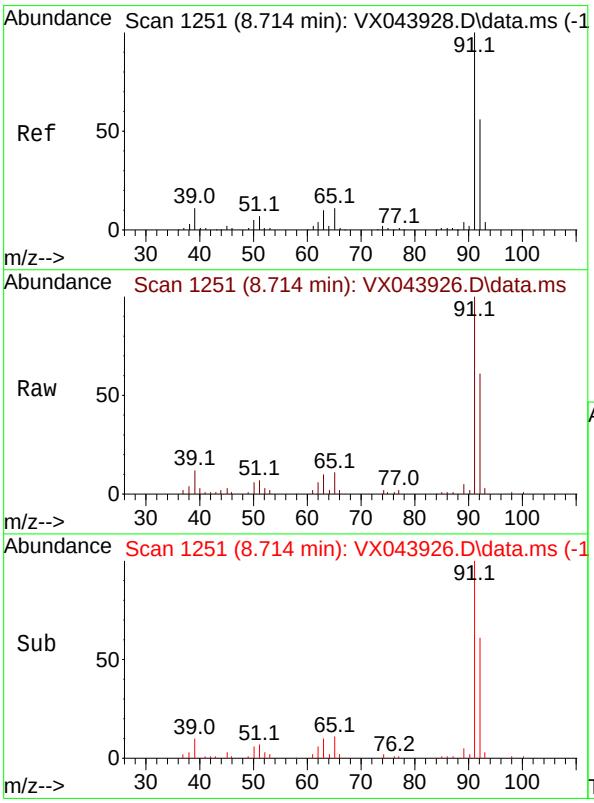
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 30.0 | 45.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

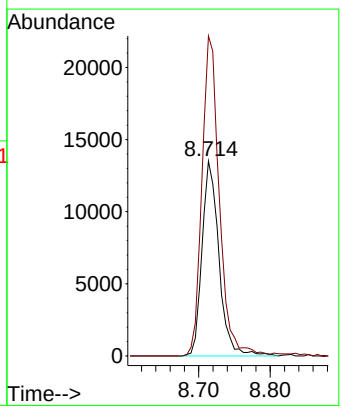


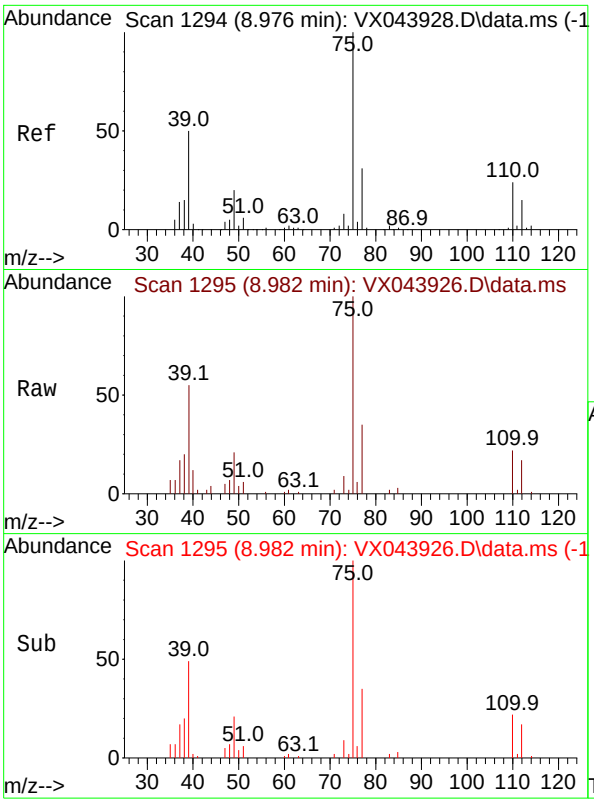




#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 139.7 | 209.5 |

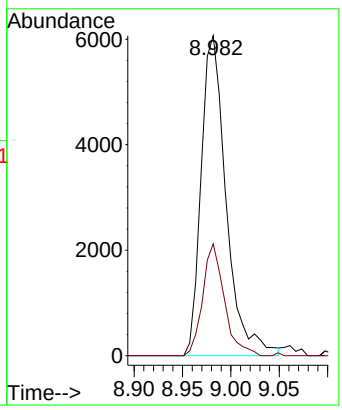





#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 1093

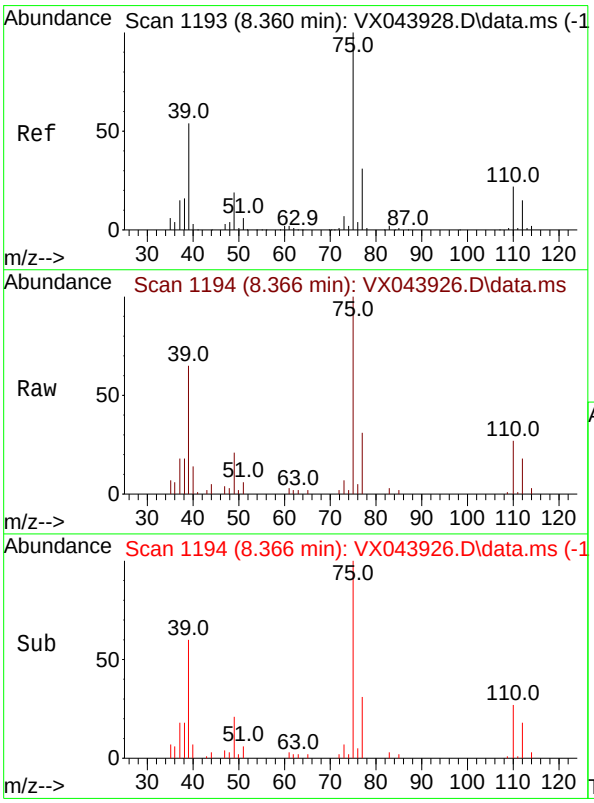
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.0 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

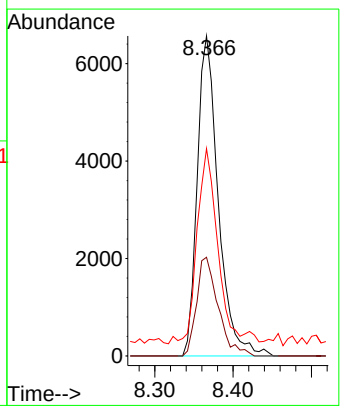
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

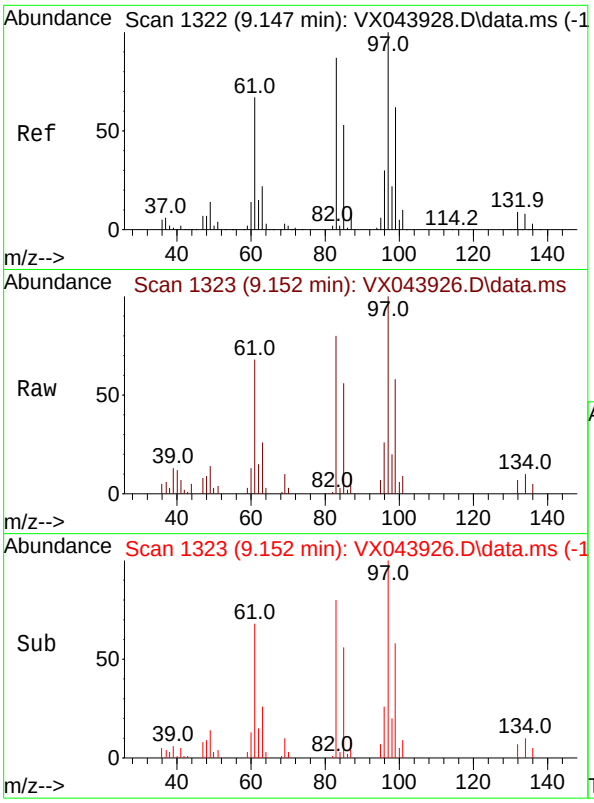



#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 60.0 | 43.1 | 64.7 |

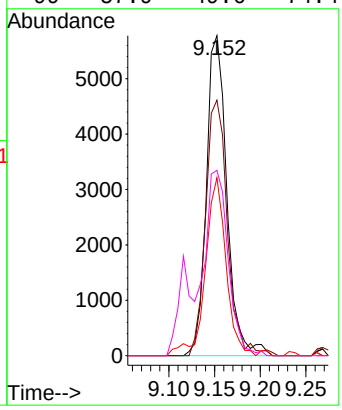





#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 900

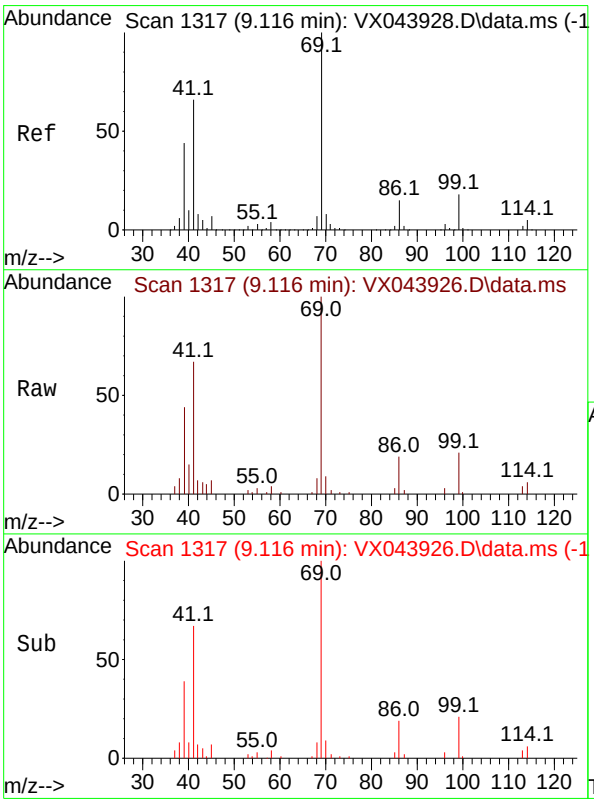
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 79.8 | 69.4 | 104.0 |
| 85 | 55.6 | 42.3 | 63.5 |
| 99 | 57.9 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

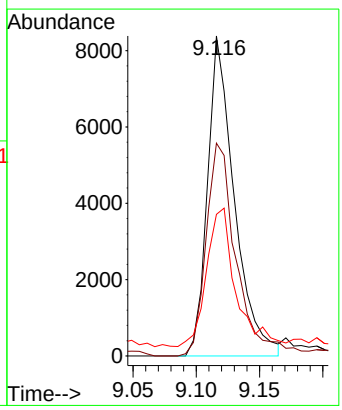
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

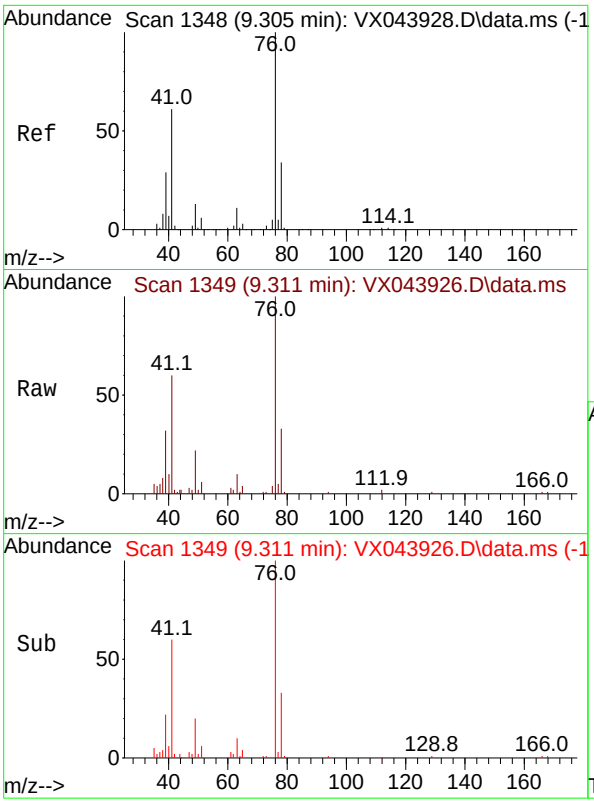



#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.0 | 55.8 | 83.8 |
| 39 | 46.7 | 36.7 | 55.1 |

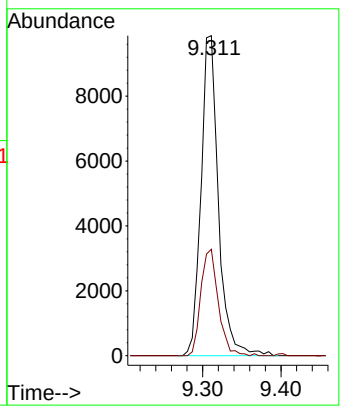





#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 76 Resp: 1521

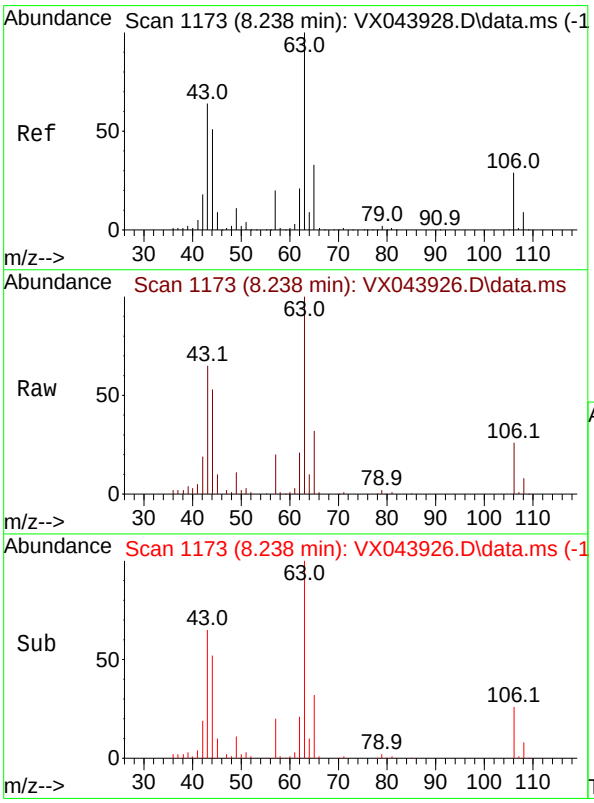
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.4 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

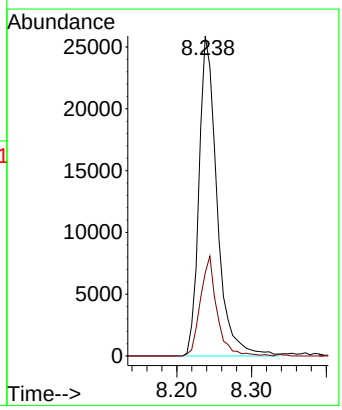
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

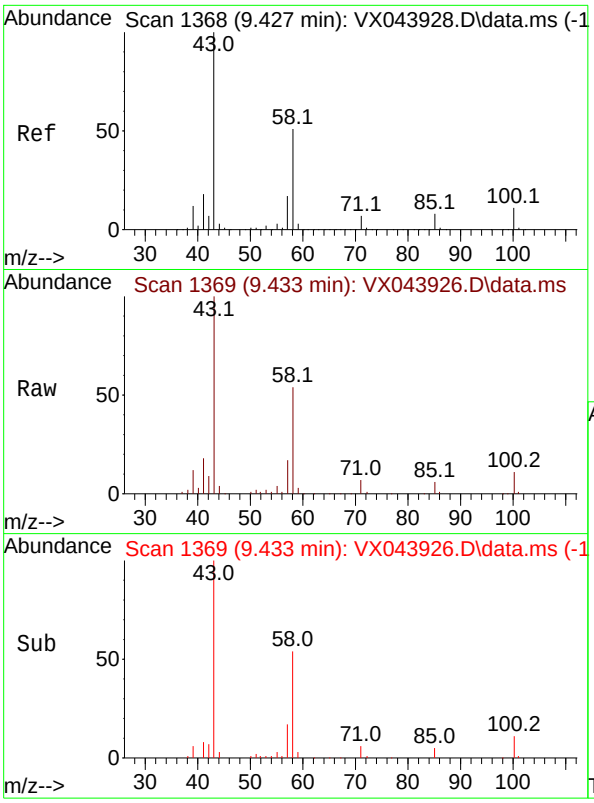



#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 23.0 | 34.6 |






#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

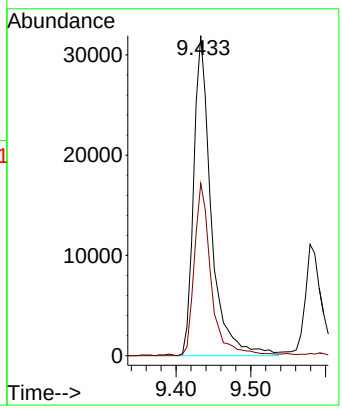
Tgt Ion: 43 Resp: 5207

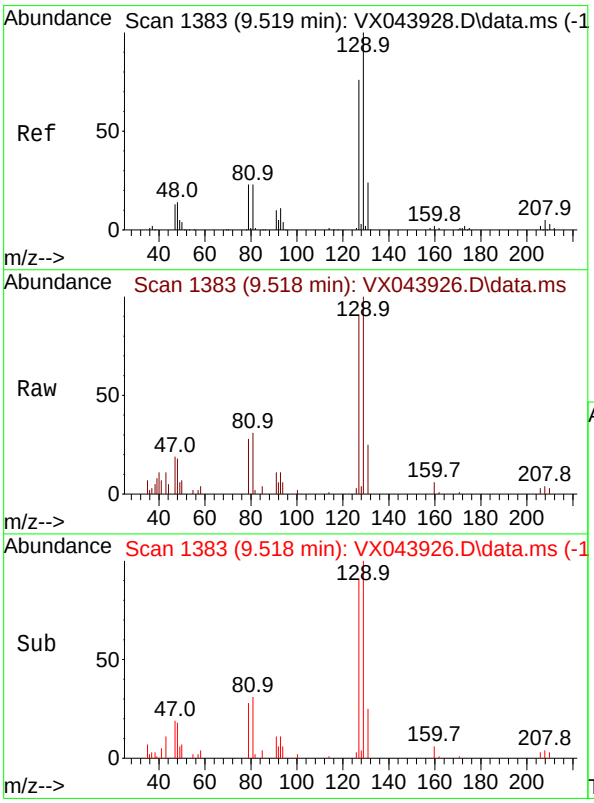
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.4 | 25.9 | 77.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

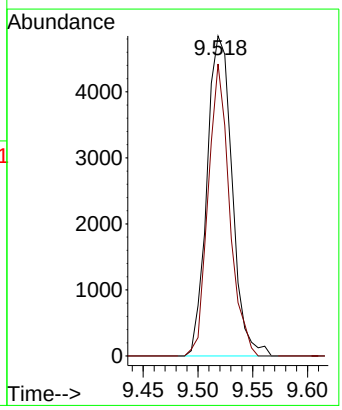


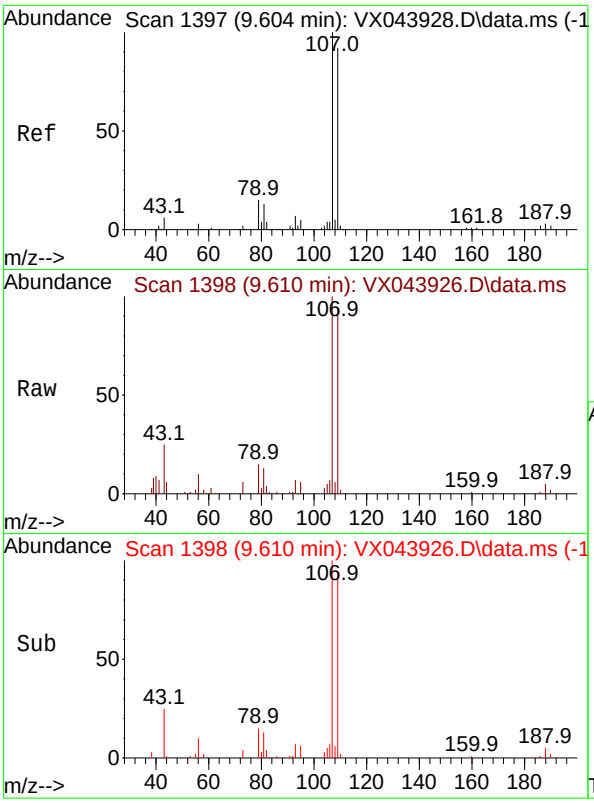




#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.2 | 114.6 |






#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

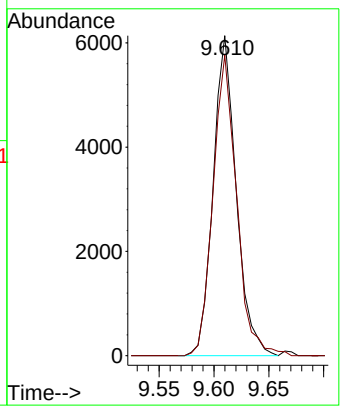
Tgt Ion:107 Resp: 898

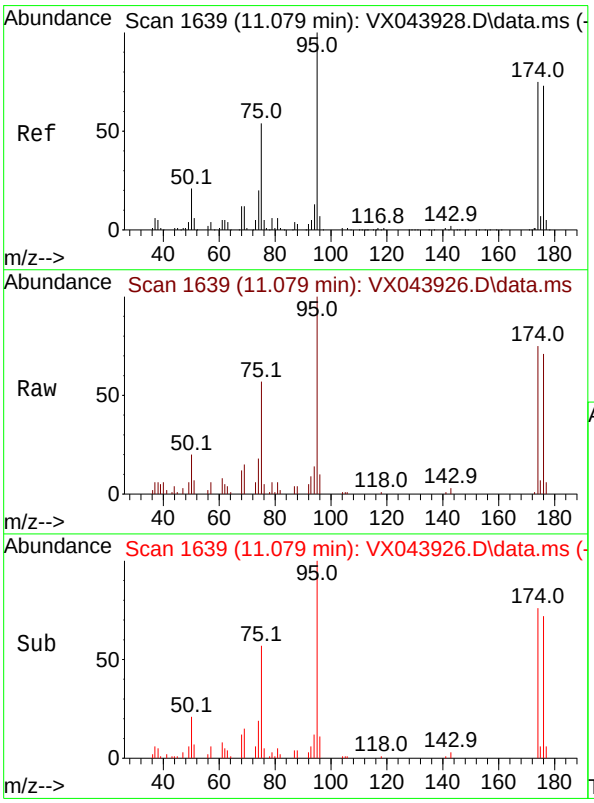
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 75.2 | 112.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

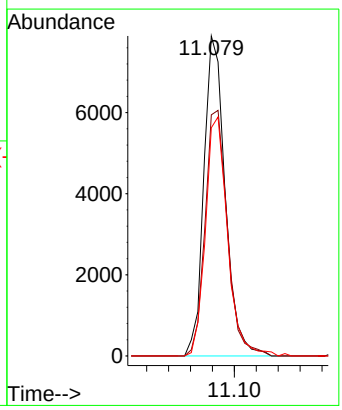


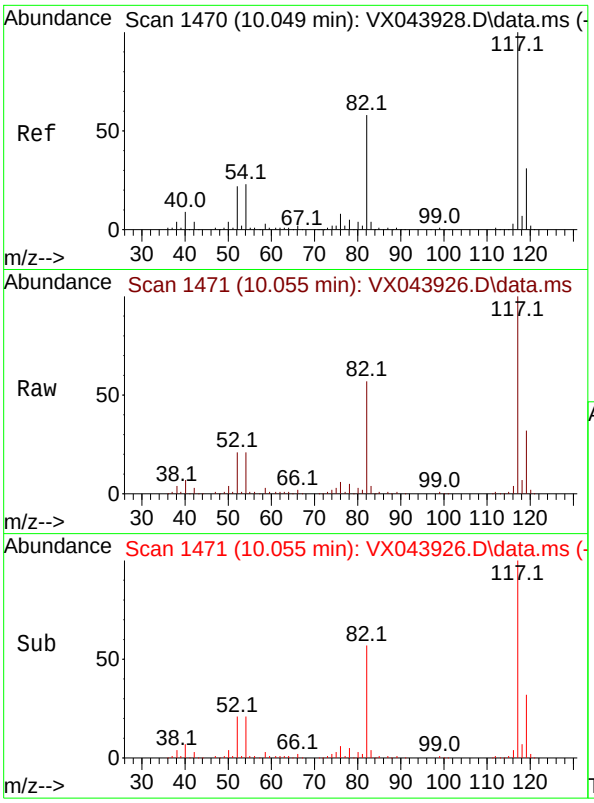




#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.9 | 0.0 | 150.4 |
| 176 | 77.6 | 0.0 | 146.0 |

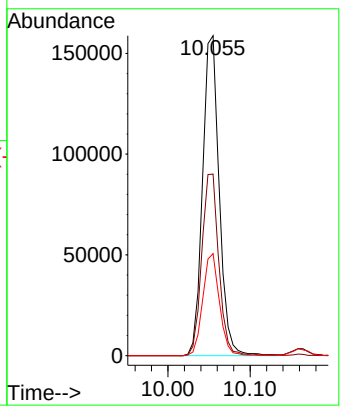





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 22351

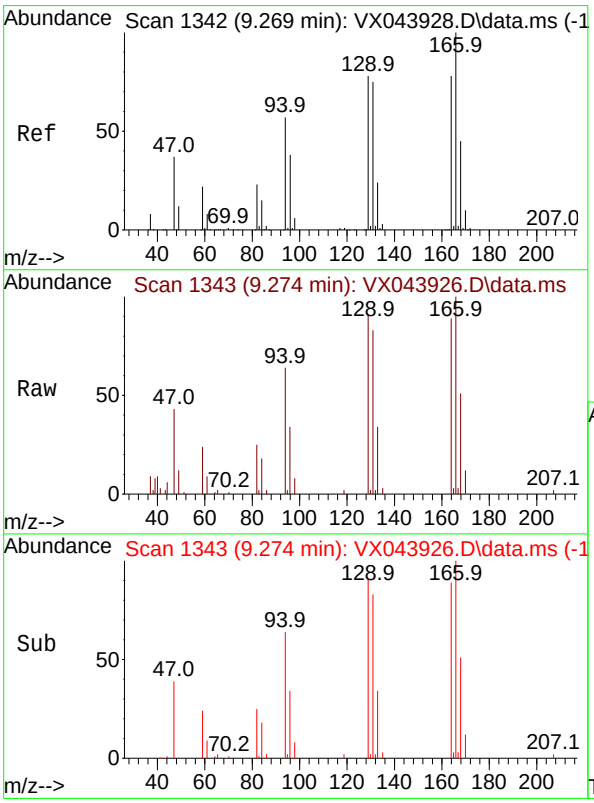
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.8 | 46.4 | 69.6 |
| 119 | 31.9 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

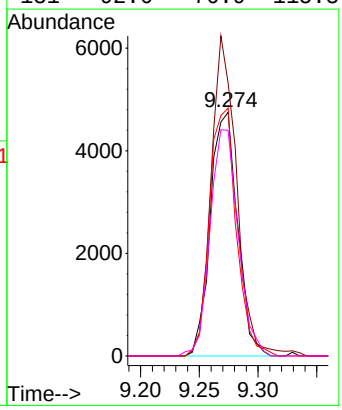
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

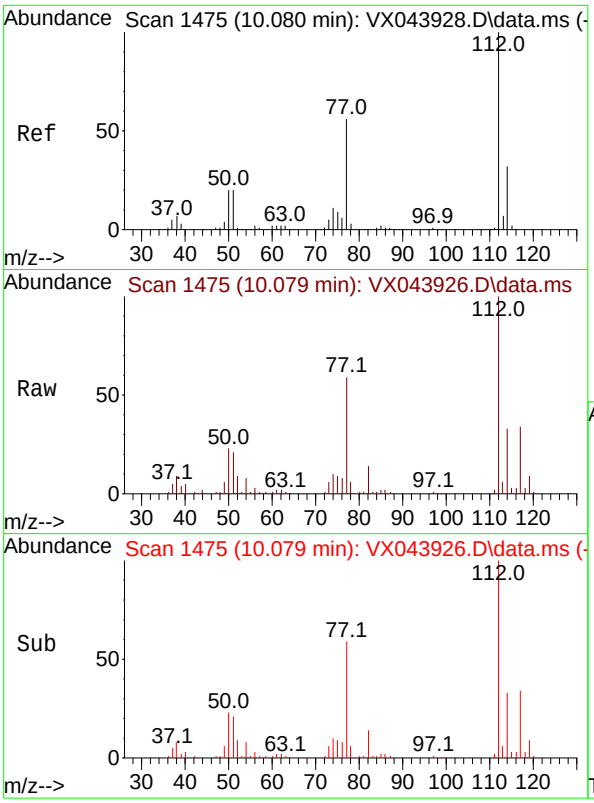



#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 111.9 | 102.1 | 153.1 |
| 129 | 101.7 | 79.6 | 119.4 |
| 131 | 92.6 | 76.9 | 115.3 |






#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

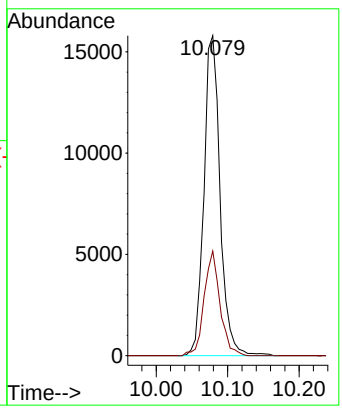
Tgt Ion:112 Resp: 2479

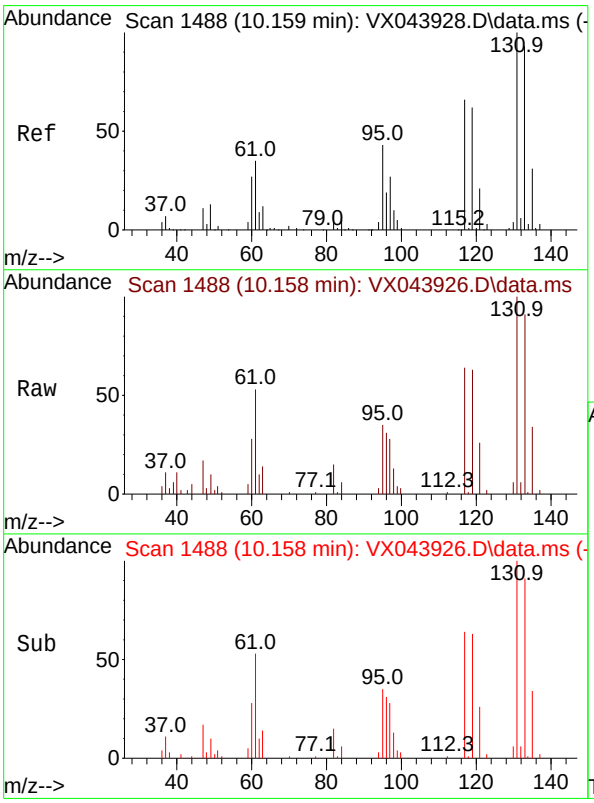
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.4 | 38.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

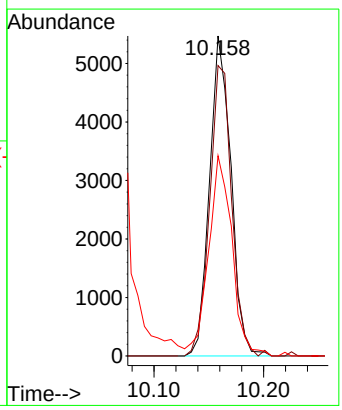


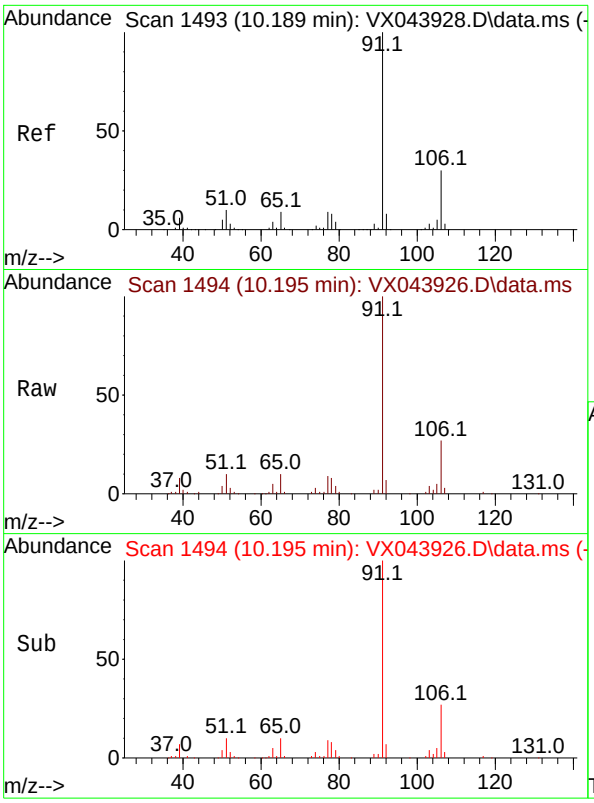




#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.1 | 48.2 | 144.6 |
| 119 | 68.3 | 31.5 | 94.5 |

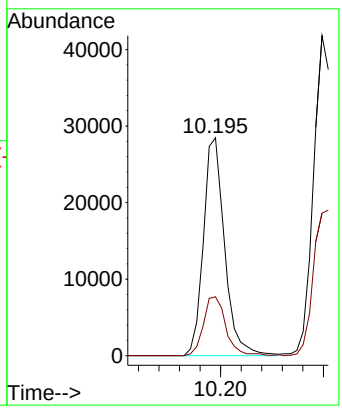





#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 4092

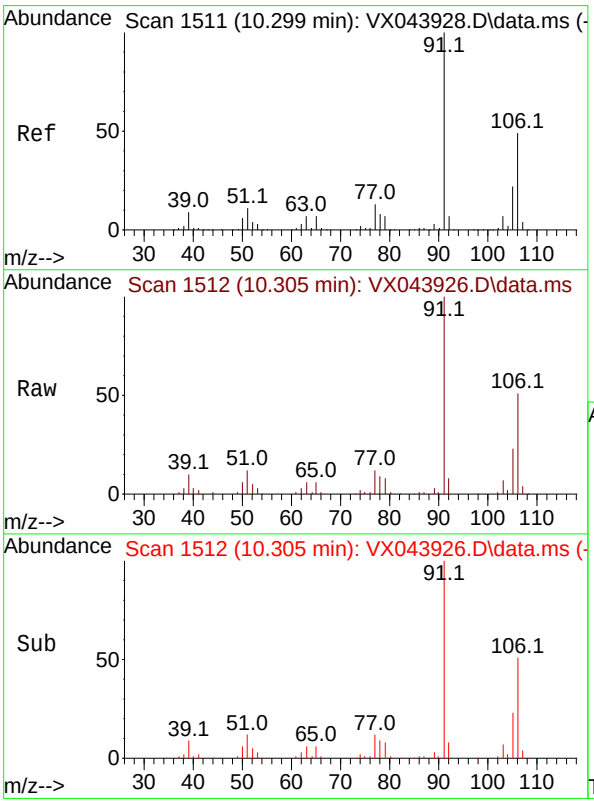
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.0 | 23.6 | 35.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

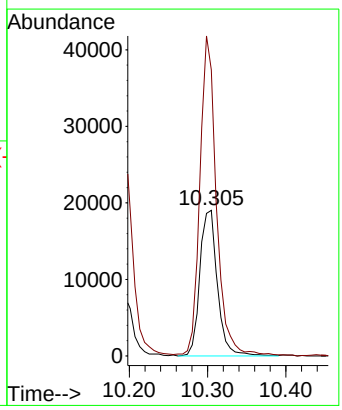
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

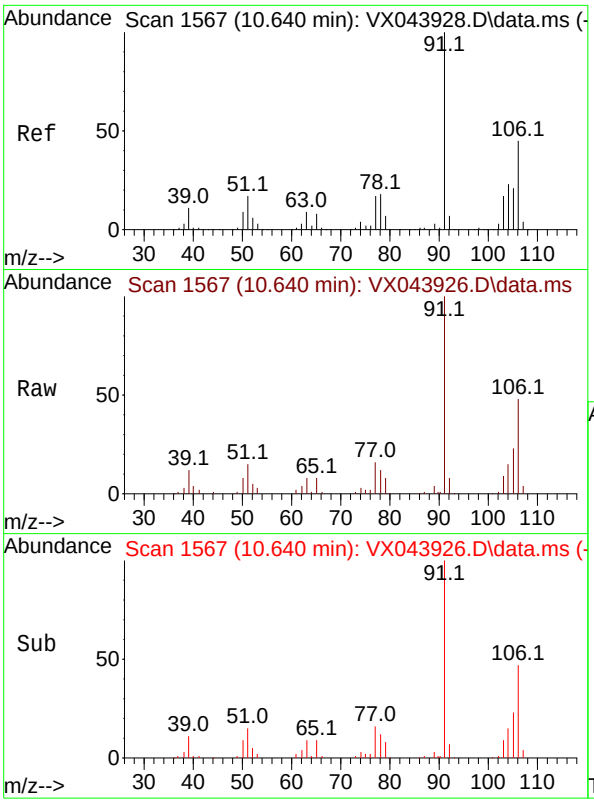



#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 168.1 | 252.1 |






#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

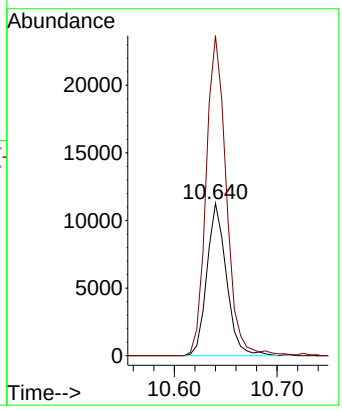
Tgt Ion:106 Resp: 1485

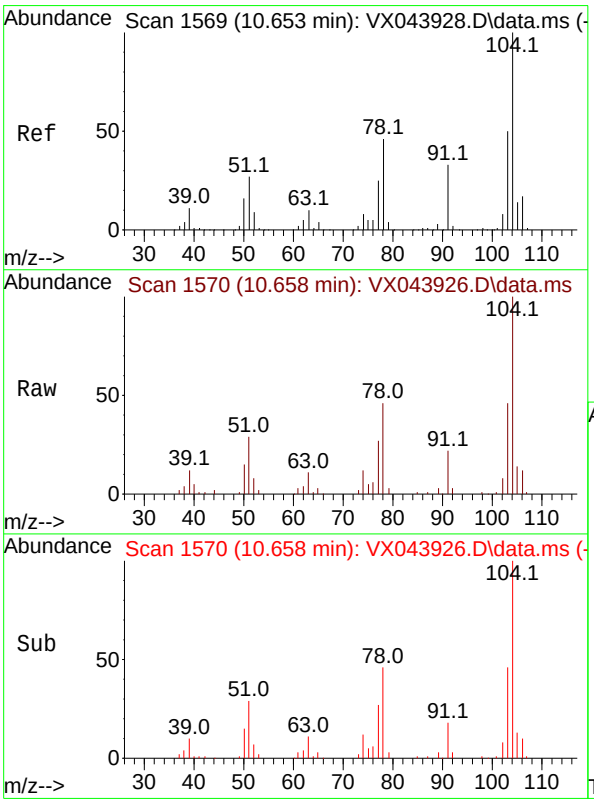
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 110.2 | 330.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

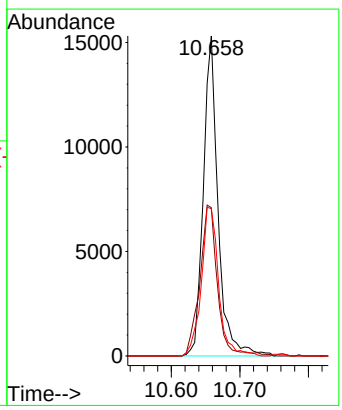


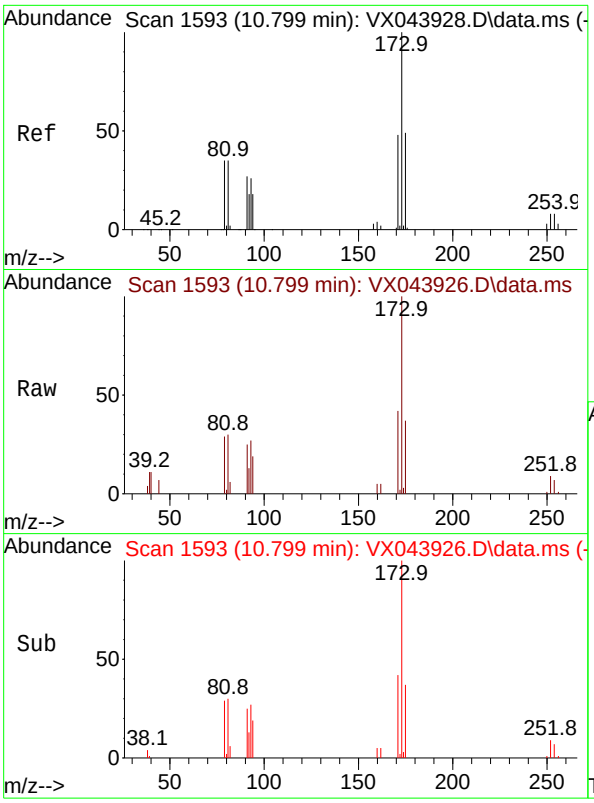




#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 56.4 | 42.2 | 63.2 |
| 103 | 54.8 | 44.7 | 67.1 |

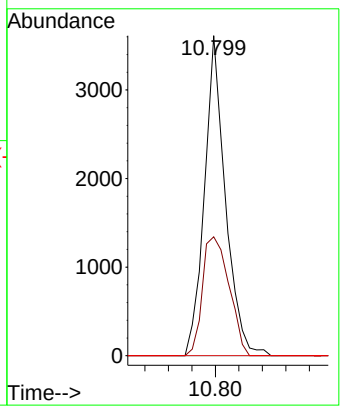





#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:173 Resp: 447

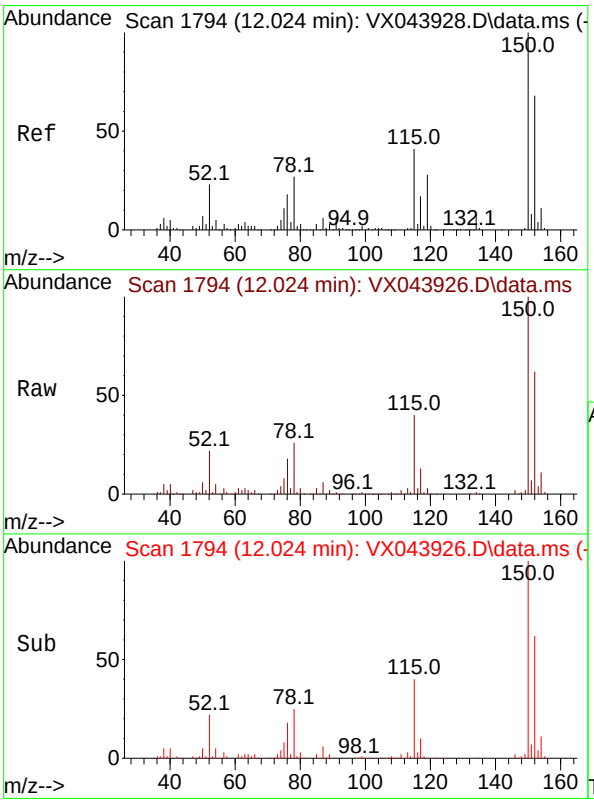
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

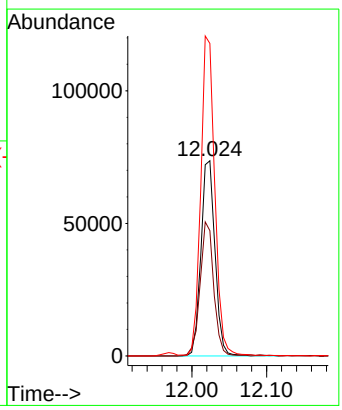
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

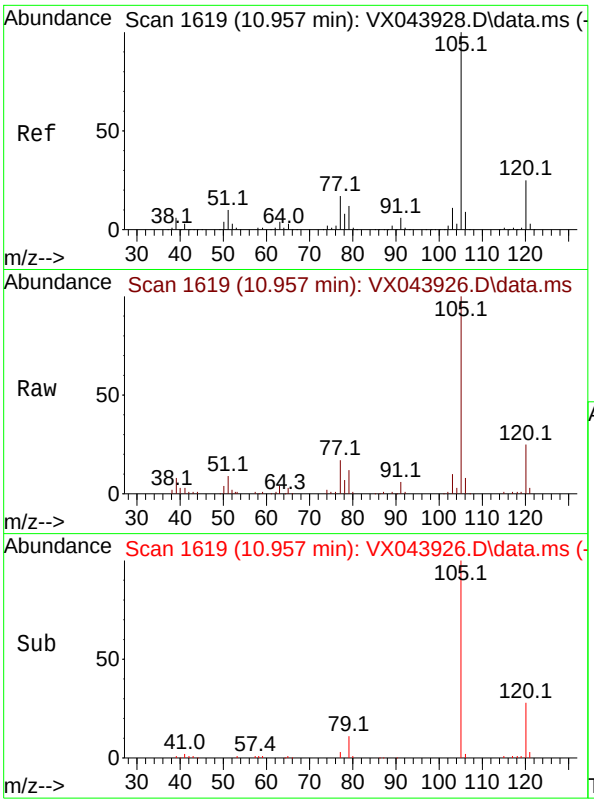



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.4 | 45.4 | 136.2 |
| 150 | 162.1 | 0.0 | 353.0 |

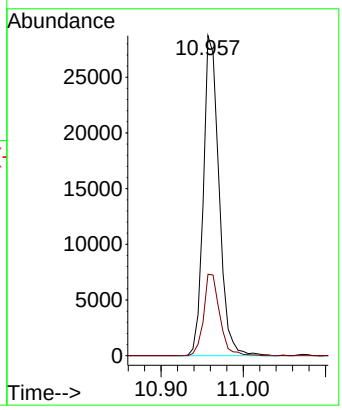





#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 3795

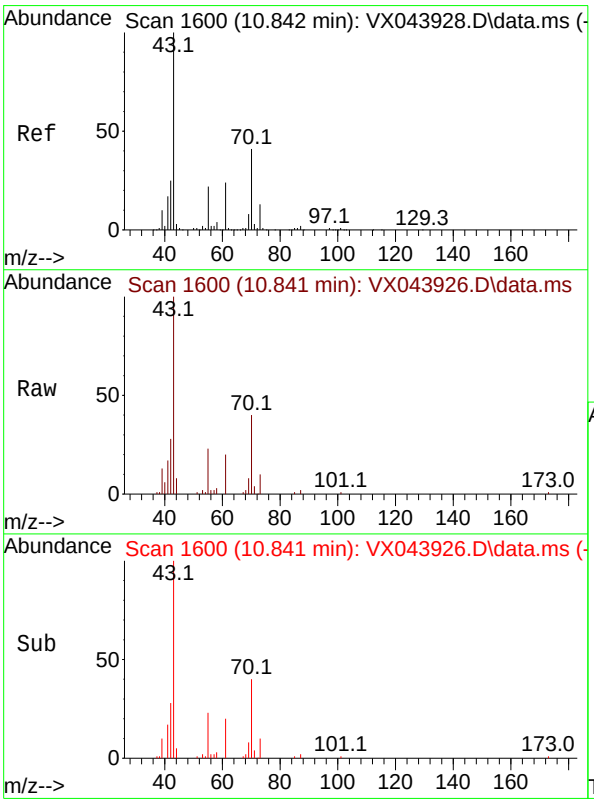
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

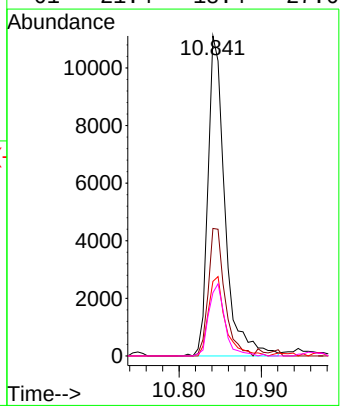
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

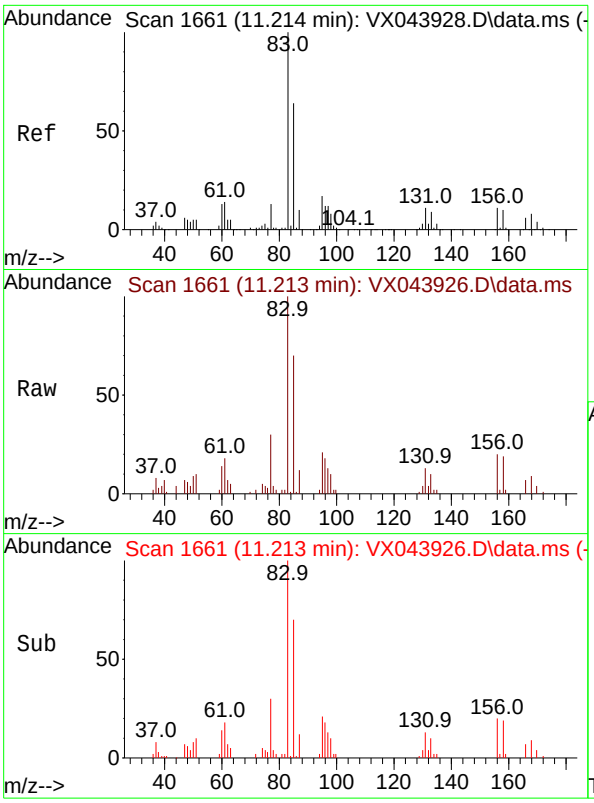



#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 32.2 | 48.2 |
| 55 | 24.8 | 18.1 | 27.1 |
| 61 | 21.4 | 18.4 | 27.6 |

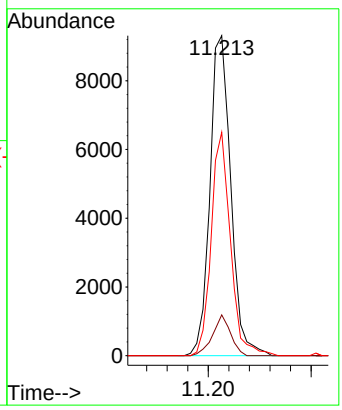





#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 1310

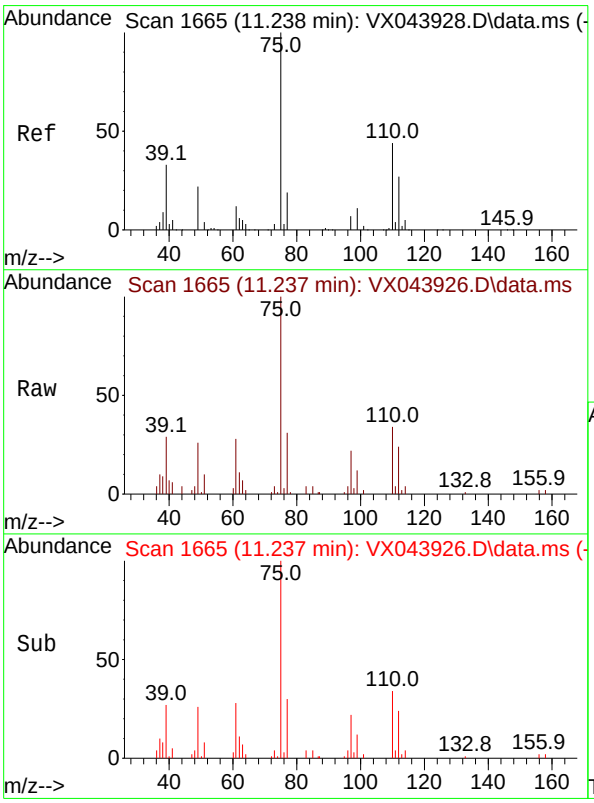
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.0 | 5.1 | 15.2 |
| 85 | 64.3 | 32.2 | 96.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

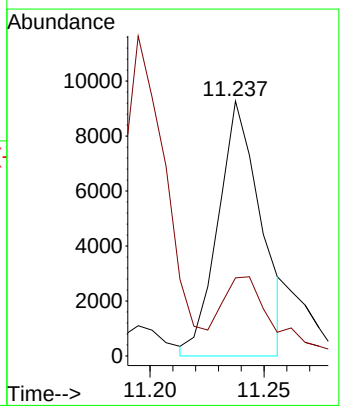
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

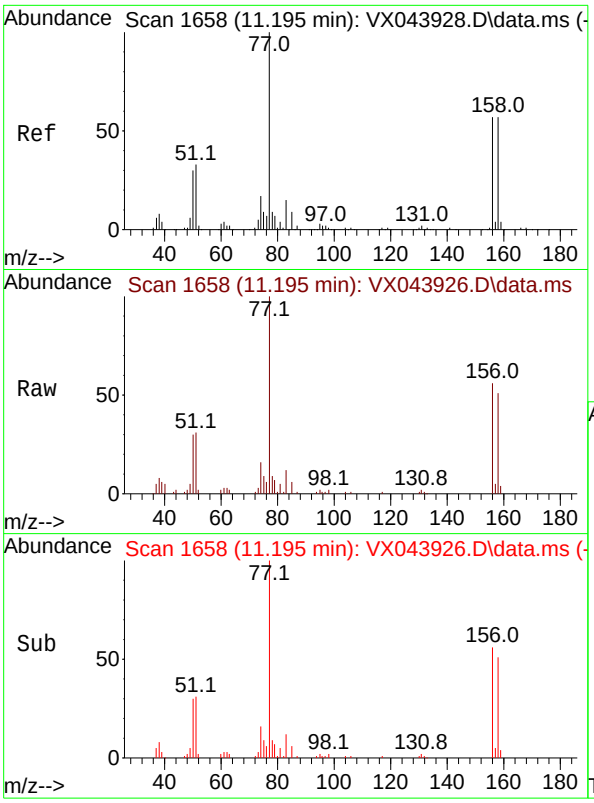



#76
1,2,3-Trichloropropane
Concen: 5.776 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.4 | 21.8 | 65.3 |

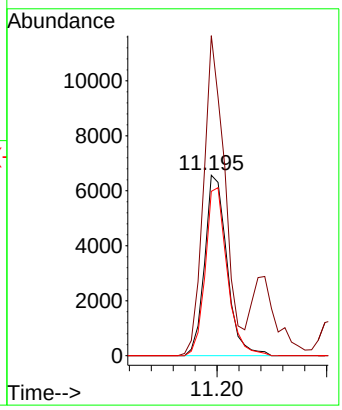





#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:156 Resp: 925

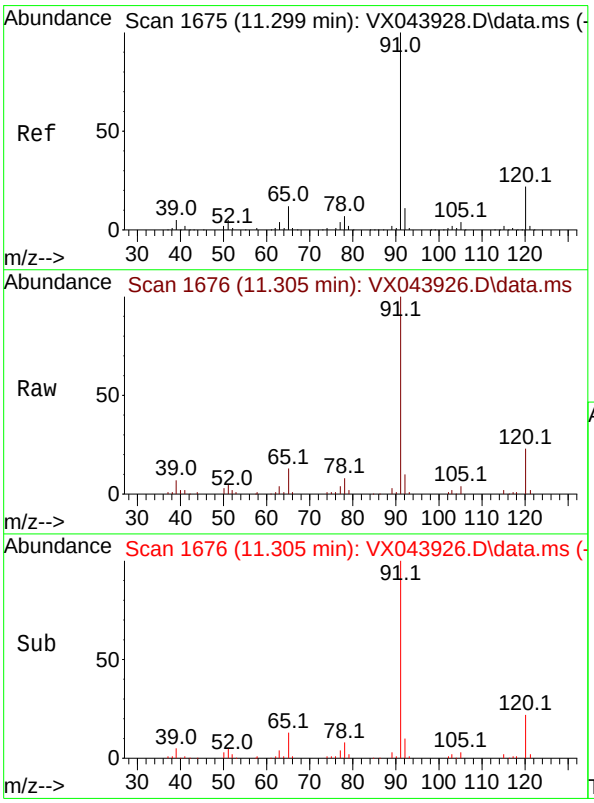
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.5 | 83.4 | 250.1 |
| 158 | 91.6 | 47.6 | 142.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

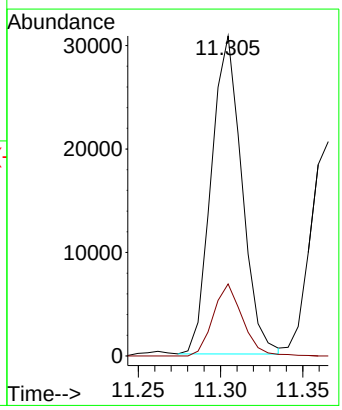
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

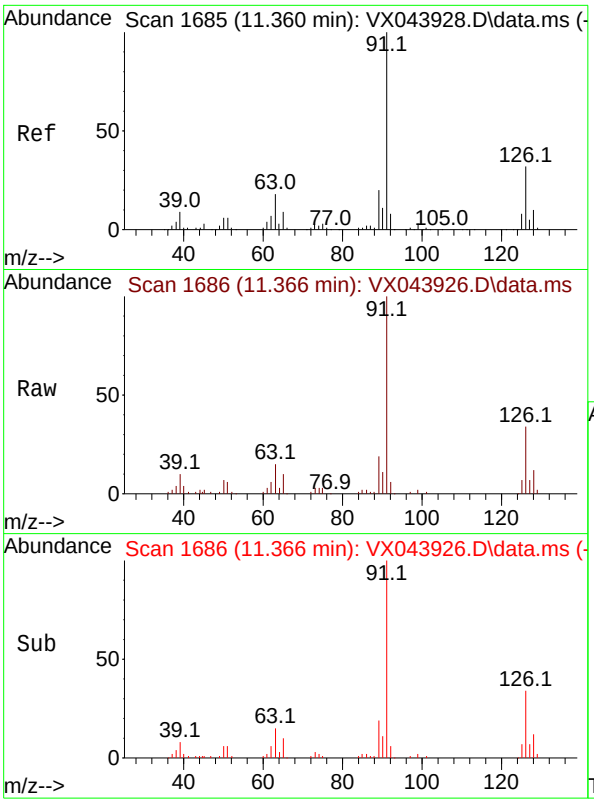



#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 11.5 | 34.4 |






#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

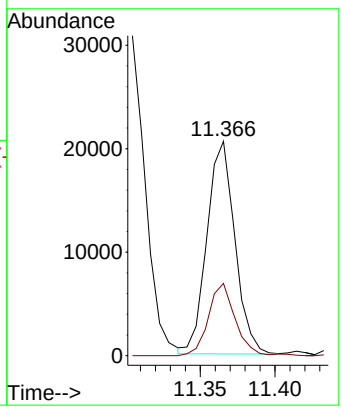
Tgt Ion: 91 Resp: 2674

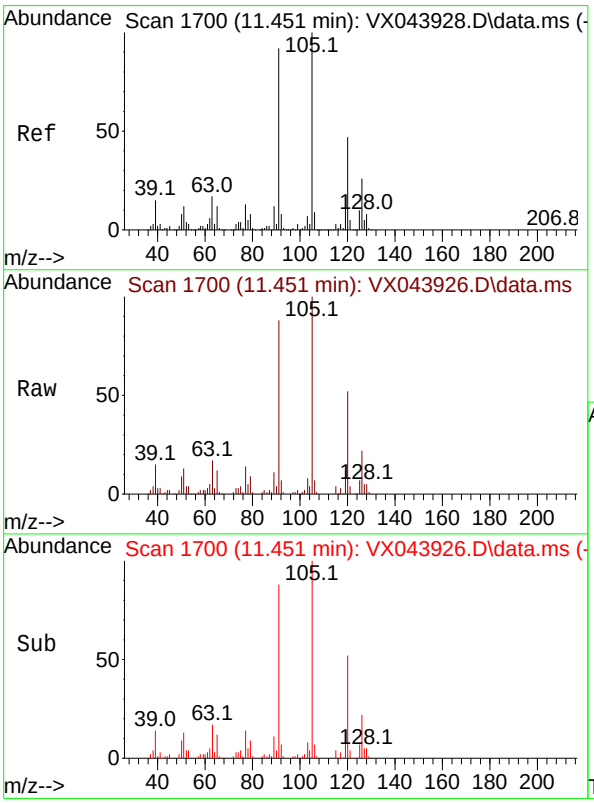
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.6 | 49.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

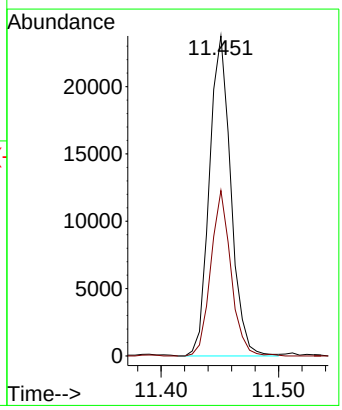


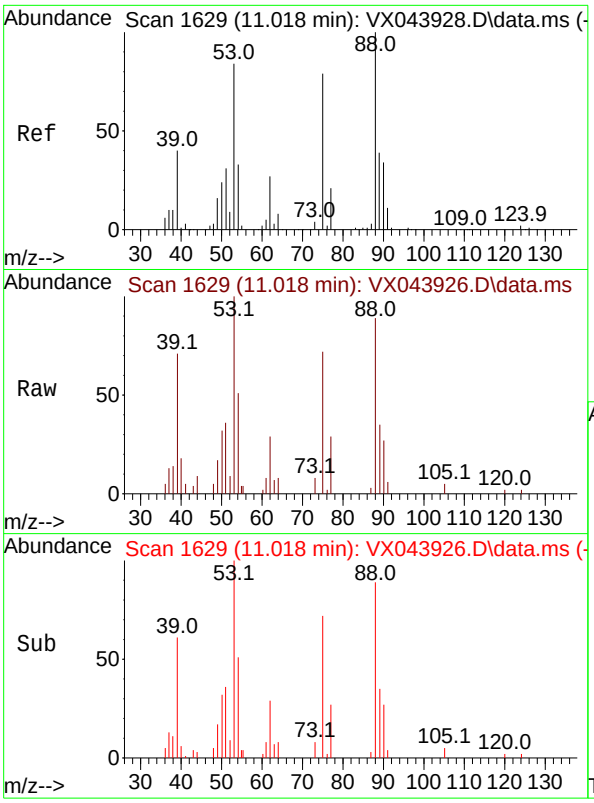




#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

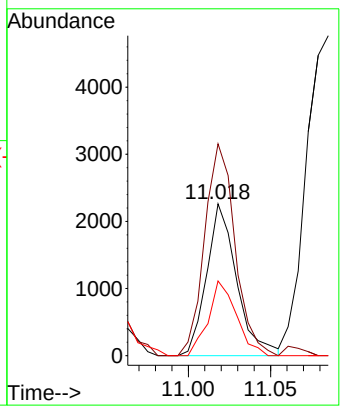
Tgt Ion: 75 Resp: 288(

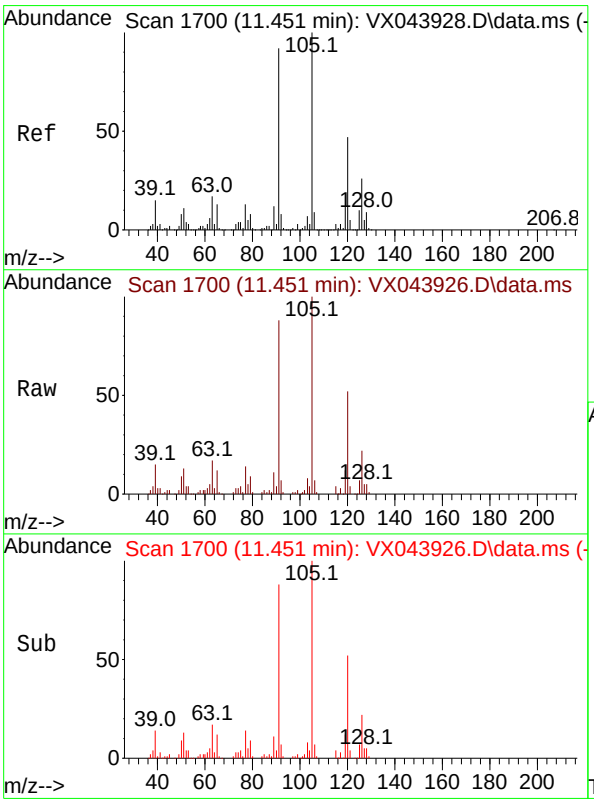
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 141.1 | 86.7 | 130.1# |
| 89 | 45.9 | 38.2 | 57.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

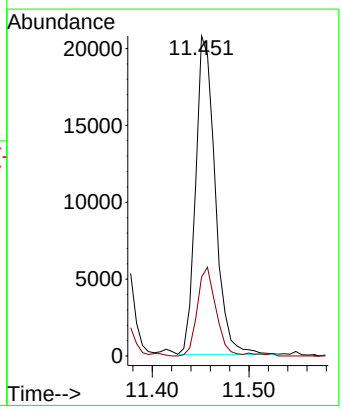


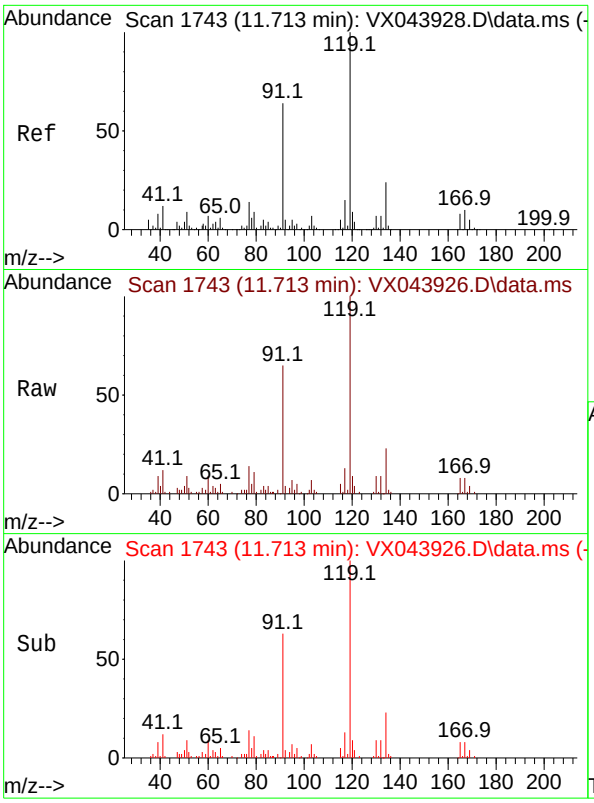




#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.7 | 14.3 | 42.9 |






#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

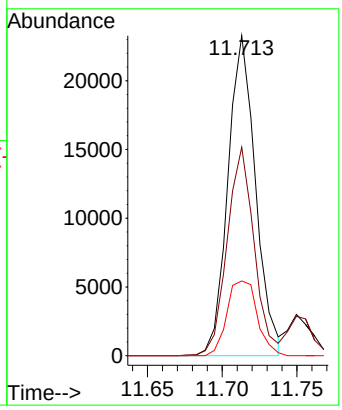
Tgt Ion:119 Resp: 2993

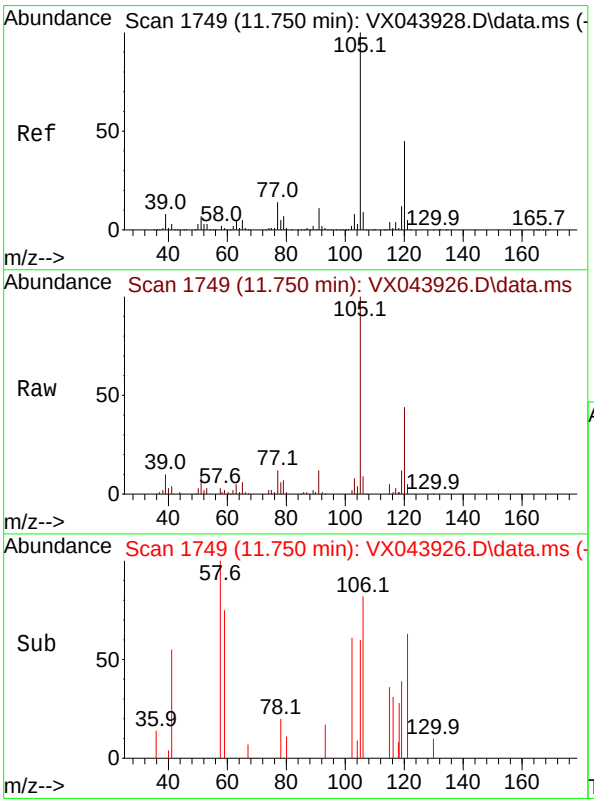
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.8 | 31.0 | 93.0 |
| 134 | 25.6 | 11.6 | 34.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

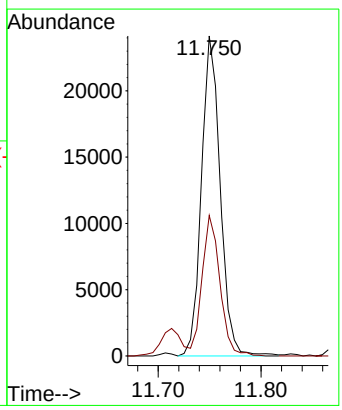


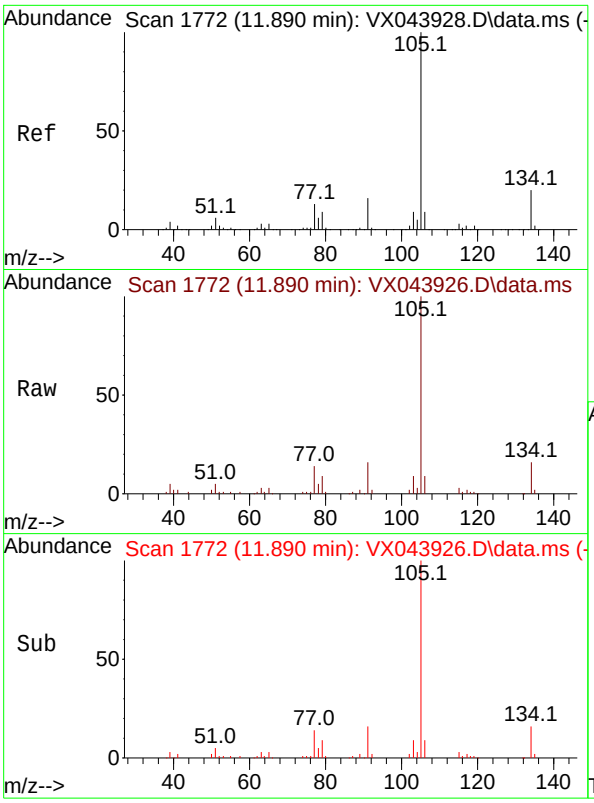




#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.6 | 21.9 | 65.7 |






#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

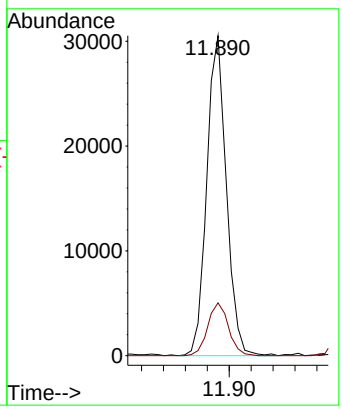
Tgt Ion:105 Resp: 3789

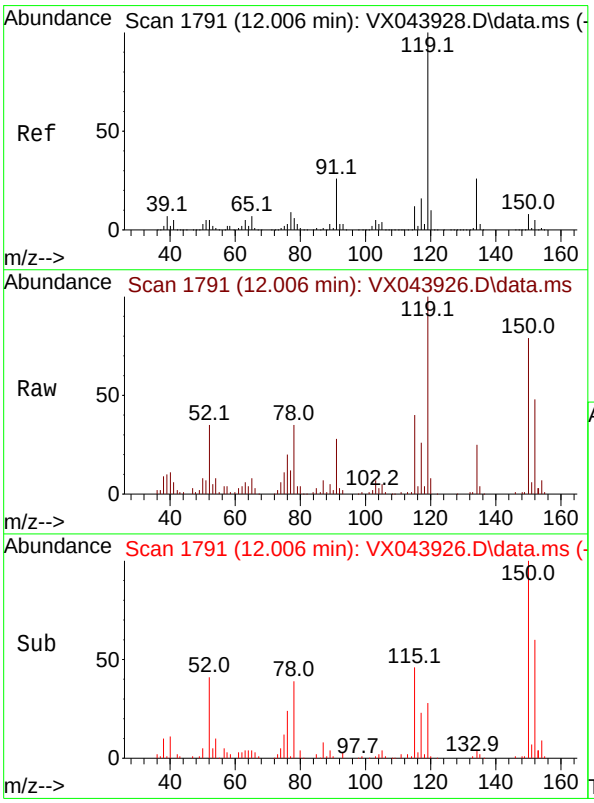
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.5 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

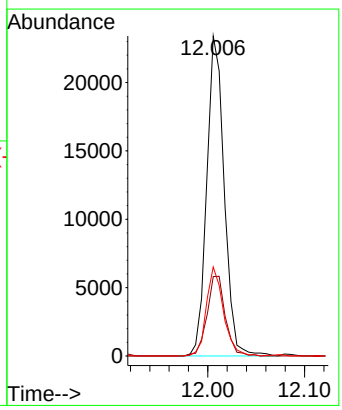


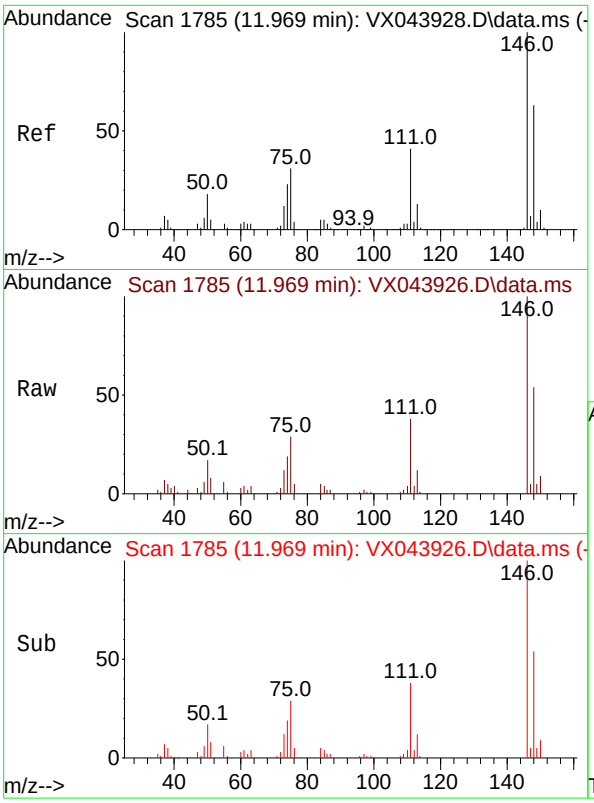




#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.0 | 38.9 |
| 91 | 27.3 | 13.0 | 38.9 |

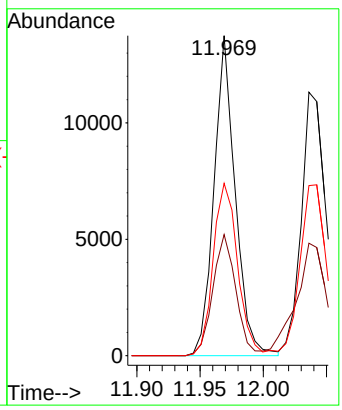





#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1600

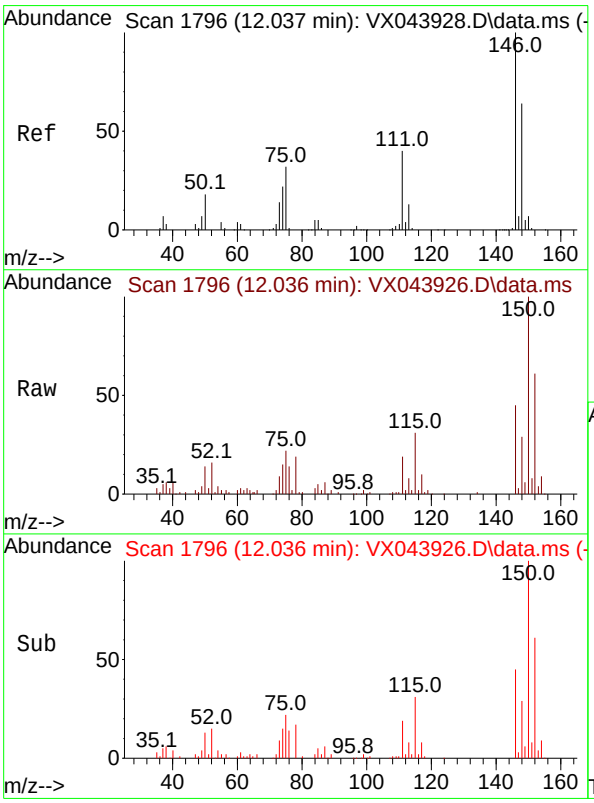
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.1 | 63.3 |
| 148 | 62.9 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

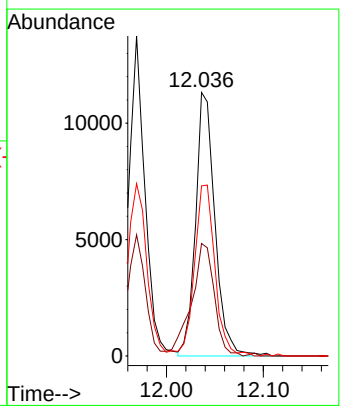
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

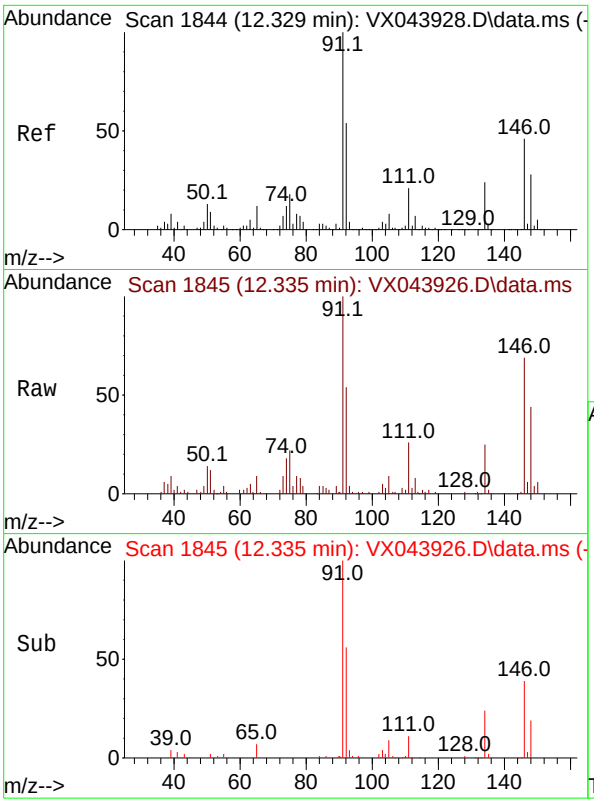



#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.2 | 20.1 | 60.3 |
| 148 | 67.9 | 30.9 | 92.8 |

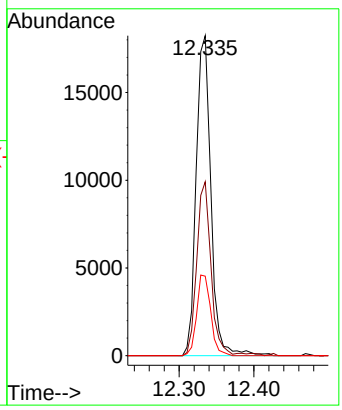





#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 2493

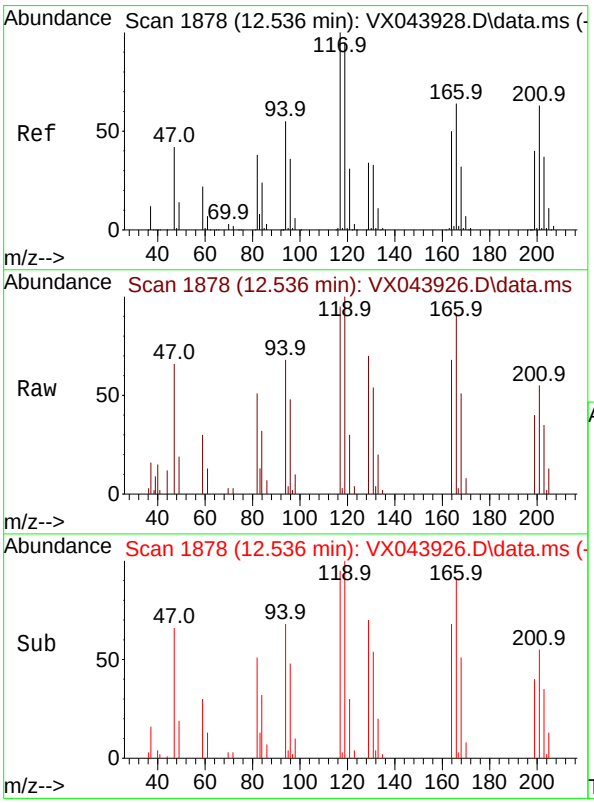
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.8 |
| 134 | 23.9 | 12.4 | 37.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

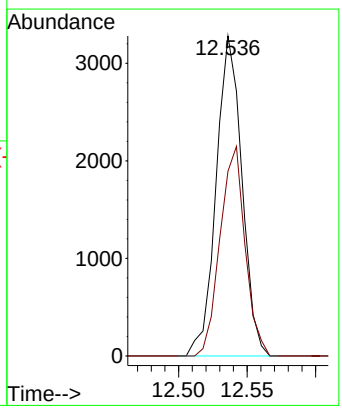
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

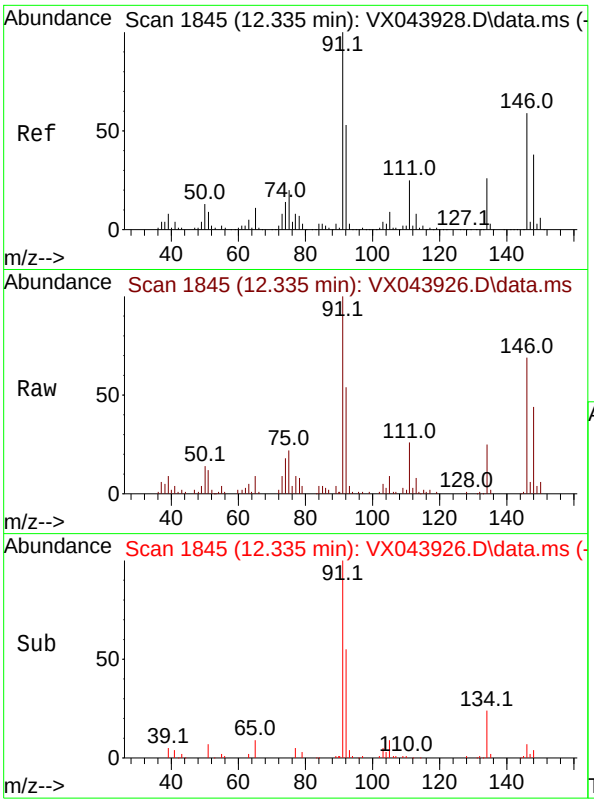



#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.6 | 32.4 | 97.0 |

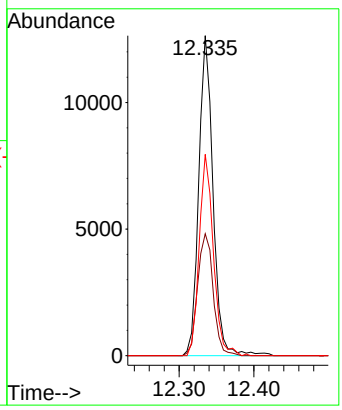





#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 1674

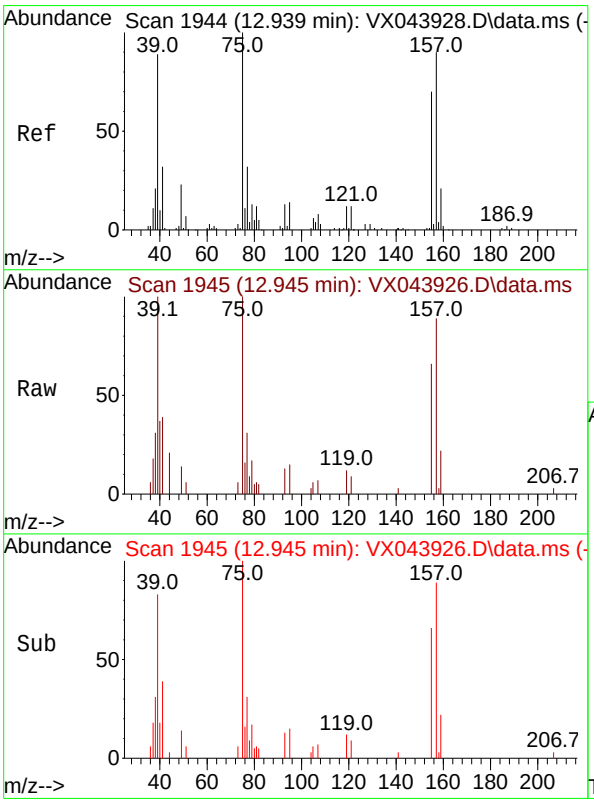
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.5 | 64.5 |
| 148 | 62.4 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

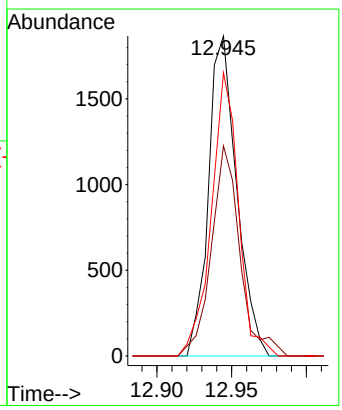
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

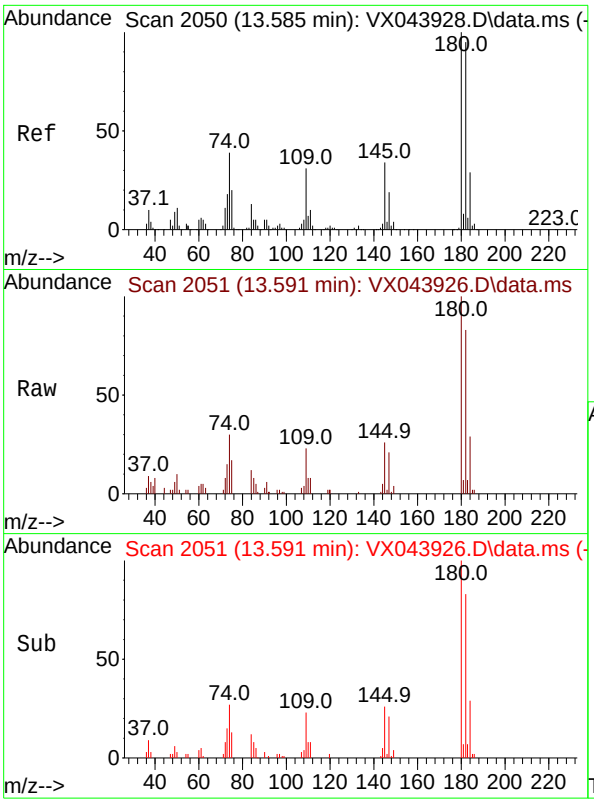



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 66.2 | 40.1 | 120.2 |
| 157 | 84.5 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

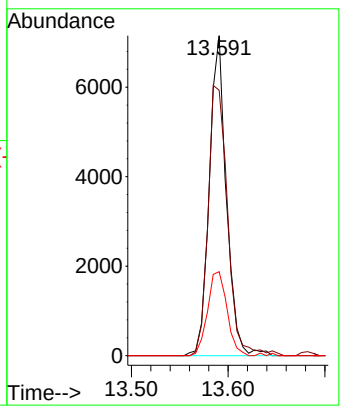
Tgt Ion:180 Resp: 874(

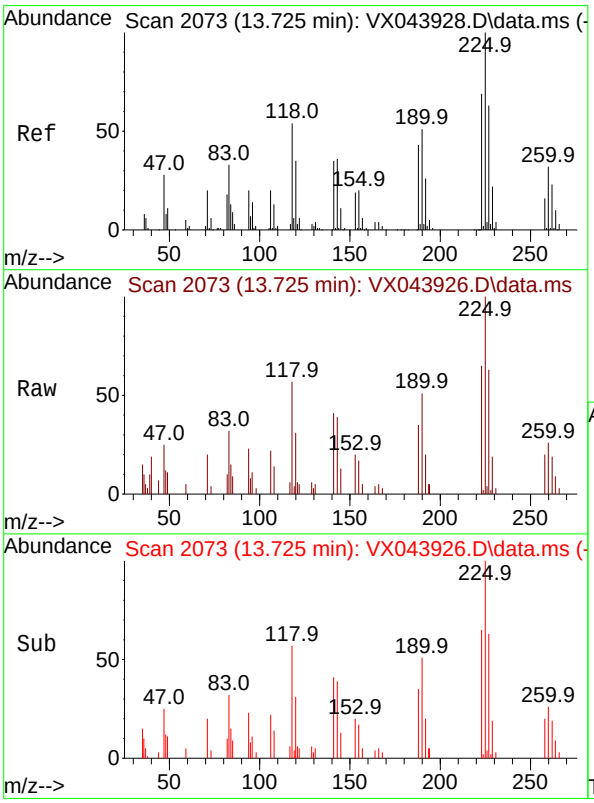
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 30.0 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

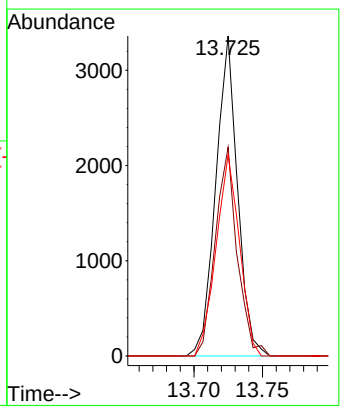


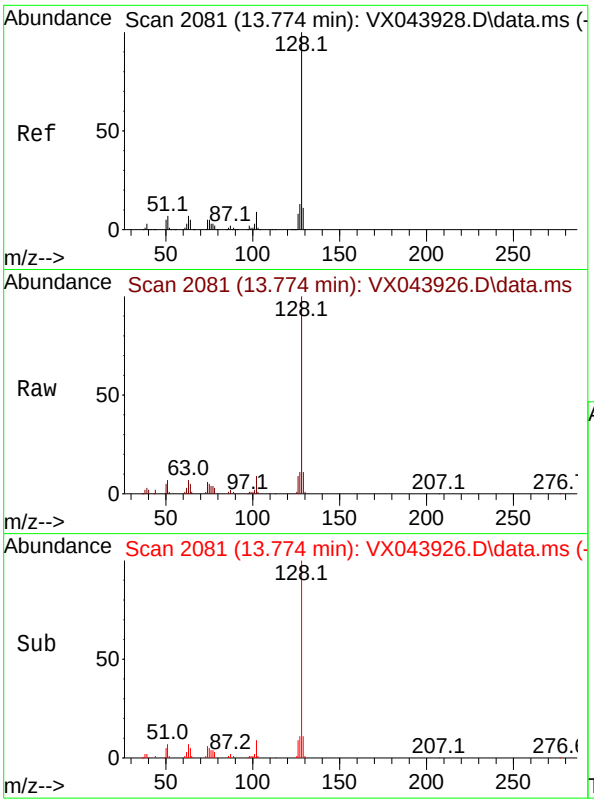




#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.4 | 32.9 | 98.6 |
| 227 | 67.5 | 31.6 | 94.8 |

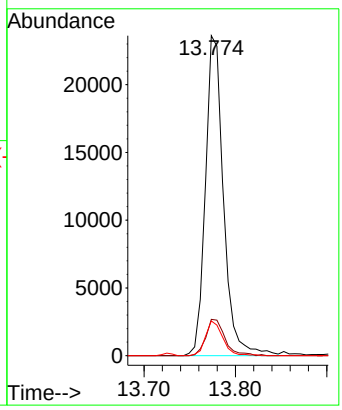





#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:128 Resp: 3248

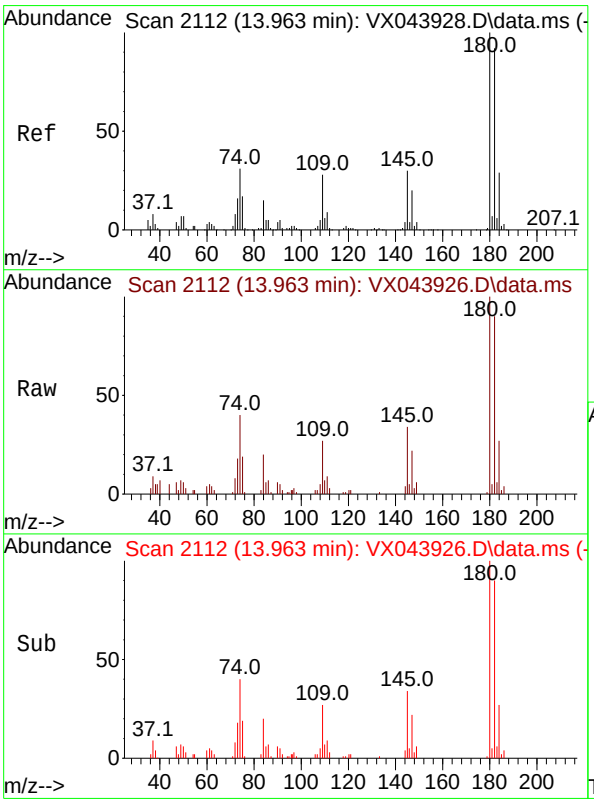
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 10.2 | 15.2 |
| 129 | 10.4 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

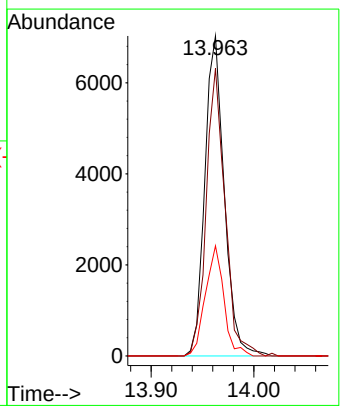
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 86.7 | 45.6 | 136.8 |
| 145 | 32.7 | 16.4 | 49.4 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 137617 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 247844 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 217871 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 98477 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 48239 | 22.821 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 45.640%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 35015 | 21.040 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 42.080%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 122646 | 22.060 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 44.120%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 41087 | 22.365 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 44.720%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 35268 | 25.327 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 39622 | 22.767 | ug/l | 93 |
| 4) Vinyl Chloride | 1.374 | 62 | 40173 | 22.975 | ug/l | 95 |
| 5) Bromomethane | 1.593 | 94 | 24112 | 30.357 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 22213 | 26.595 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 73464 | 29.469 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 25875 | 27.531 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 33284 | 22.561 | ug/l | 96 |
| 10) Methyl Iodide | 2.441 | 142 | 43047 | 20.733 | ug/l | 94 |
| 11) Tert butyl alcohol | 3.002 | 59 | 36554 | 108.748 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 32180 | 22.474 | ug/l | 96 |
| 13) Acrolein | 2.240 | 56 | 35249 | 93.505 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 53053 | 22.853 | ug/l # | 88 |
| 15) Acrylonitrile | 3.069 | 53 | 94417 | 109.118 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 110373 | 130.004 | ug/l | 89 |
| 17) Carbon Disulfide | 2.502 | 76 | 59349 | 18.983 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 50136 | 21.564 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 121776 | 23.009 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 37633 | 21.177 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 33545 | 21.489 | ug/l | 100 |
| 22) Diisopropyl ether | 3.764 | 45 | 119475 | 23.557 | ug/l | 91 |
| 23) Vinyl Acetate | 3.721 | 43 | 504408 | 122.699 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 67233 | 22.540 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 148152 | 124.741 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 58444 | 23.843 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 41866 | 21.551 | ug/l | 94 |
| 28) Bromochloromethane | 4.891 | 49 | 26507 | 21.119 | ug/l | 90 |
| 29) Tetrahydrofuran | 5.013 | 42 | 87736 | 114.321 | ug/l | 98 |
| 30) Chloroform | 5.087 | 83 | 72049 | 23.172 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 53731 | 22.225 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 62394 | 23.474 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 44465 | 21.438 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 54426 | 23.316 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 48701 | 22.179 | ug/l | 99 |
| 39) Methylcyclohexane | 7.379 | 83 | 55958 | 21.551 | ug/l | 99 |
| 40) Benzene | 6.025 | 78 | 144401 | 22.144 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 28938 | 23.789 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 57981 | 24.487 ug/l | 98 |
| 43) Isopropyl Acetate | 6.349 | 43 | 88577 | 24.054 ug/l | 94 |
| 44) Trichloroethene | 7.117 | 130 | 36440 | 20.270 ug/l | 95 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 35791 | 22.394 ug/l | 97 |
| 46) Dibromomethane | 7.580 | 93 | 27799 | 23.082 ug/l | 96 |
| 47) Bromodichloromethane | 7.818 | 83 | 49665 | 23.471 ug/l # | 94 |
| 48) Methyl methacrylate | 7.690 | 41 | 41962 | 22.991 ug/l # | 87 |
| 49) 1,4-Dioxane | 7.665 | 88 | 12071 | 310.503 ug/l # | 62 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 278479 | 121.285 ug/l | 95 |
| 52) Toluene | 8.714 | 92 | 87569 | 23.277 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 50294 | 23.425 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 56407 | 23.184 ug/l # | 91 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 37148 | 25.308 ug/l | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 56585 | 24.347 ug/l # | 88 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 61420 | 24.976 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 136842 | 112.277 ug/l | 96 |
| 59) 2-Hexanone | 9.433 | 43 | 213629 | 131.869 ug/l | 93 |
| 60) Dibromochloromethane | 9.519 | 129 | 34133 | 23.864 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 36985 | 24.156 ug/l | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 29274 | 20.948 ug/l | 98 |
| 65) Chlorobenzene | 10.080 | 112 | 96469 | 21.197 ug/l | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 32353 | 21.360 ug/l | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 166435 | 21.731 ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 122658 | 42.997 ug/l | 95 |
| 69) o-Xylene | 10.640 | 106 | 60254 | 21.648 ug/l | 94 |
| 70) Styrene | 10.653 | 104 | 102329 | 22.308 ug/l | 97 |
| 71) Bromoform | 10.799 | 173 | 19329 | 19.555 ug/l # | 97 |
| 73) Isopropylbenzene | 10.964 | 105 | 157405 | 22.393 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 73525 | 23.459 ug/l | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 54158 | 22.787 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 45423m | 22.601 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 37631 | 21.843 ug/l | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 176034 | 22.696 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 112986 | 22.894 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 132041 | 22.662 ug/l | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 14743 | 20.654 ug/l | 88 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 125521 | 22.085 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 128636 | 21.582 ug/l | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 132595 | 22.408 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 156312 | 21.962 ug/l | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 130605 | 21.854 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 67003 | 20.986 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 67195 | 20.527 ug/l | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 110491 | 21.698 ug/l | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 19547 | 19.432 ug/l | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 67852 | 20.298 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 9939 | 20.259 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 38866 | 19.894 ug/l | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14818 | 18.508 ug/l | 91 |
| 95) Naphthalene | 13.774 | 128 | 145678 | 19.999 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 41554 | 20.415 ug/l | 97 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 11:27:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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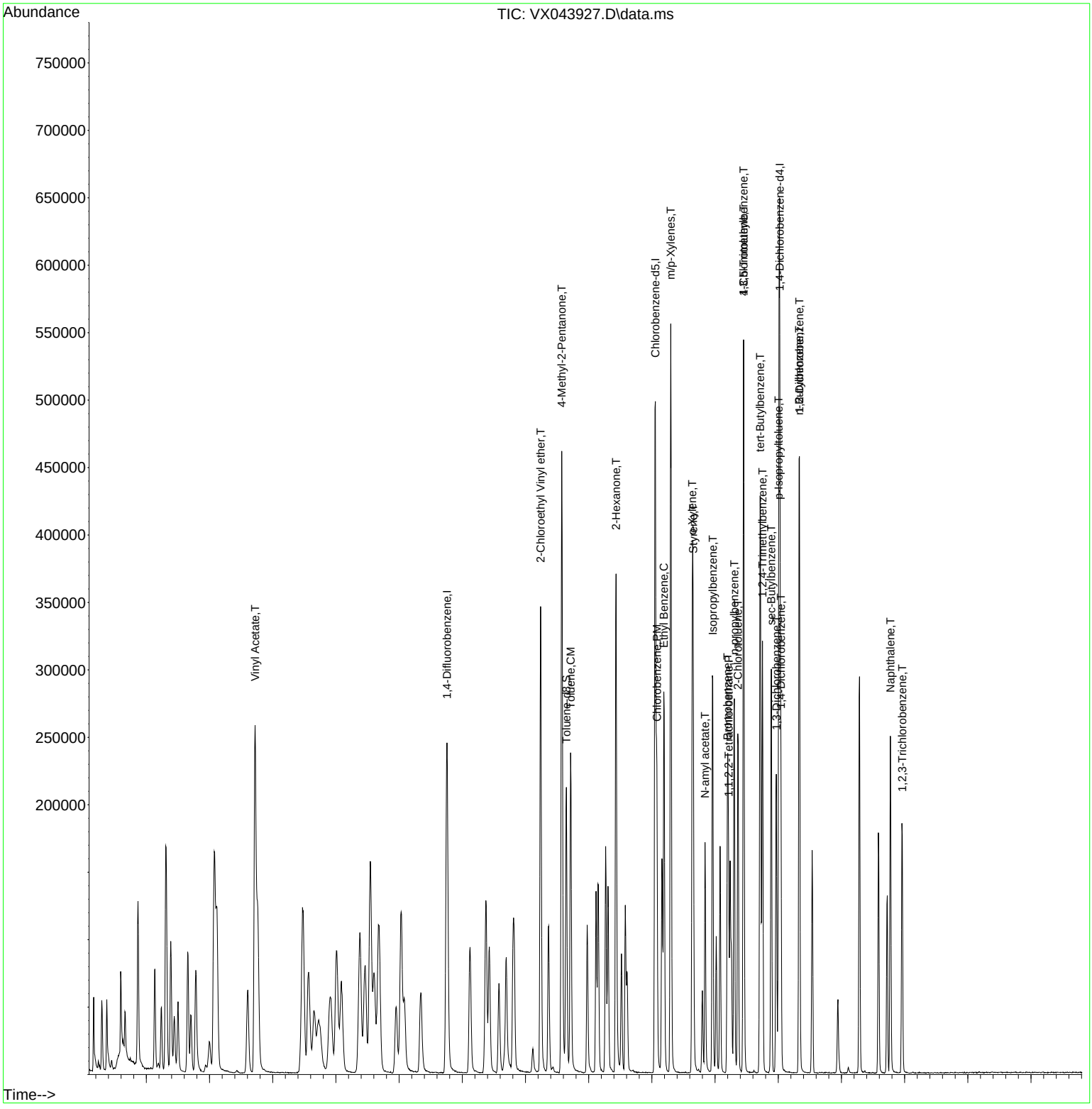
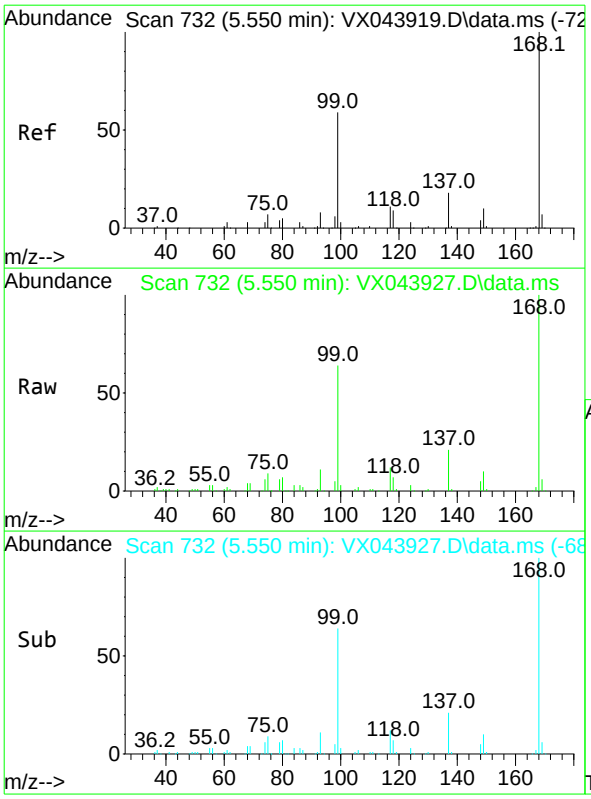
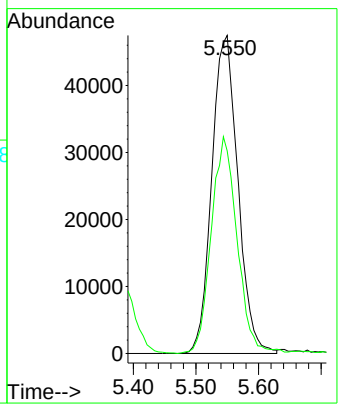





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:168 Resp: 137617

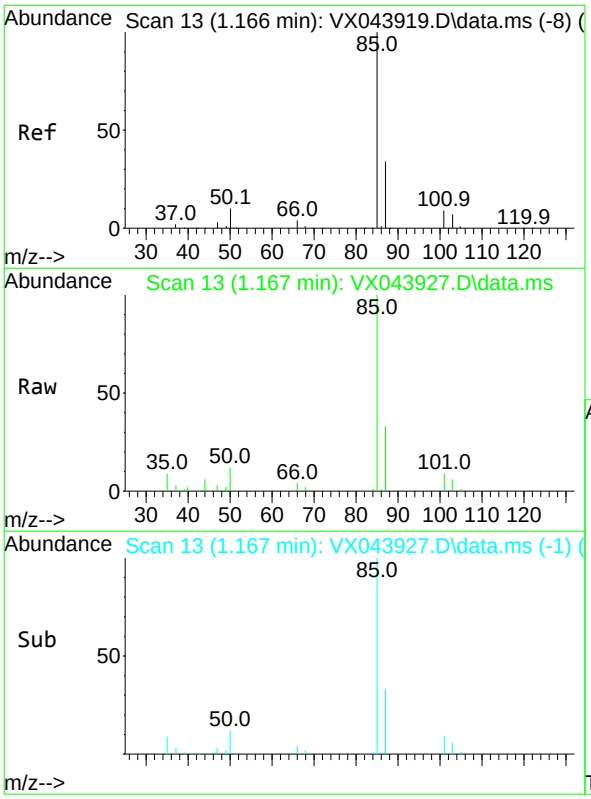
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.7 | 46.9 | 70.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

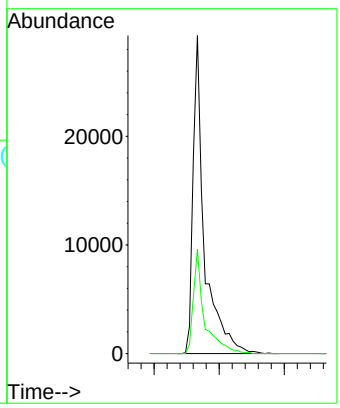
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

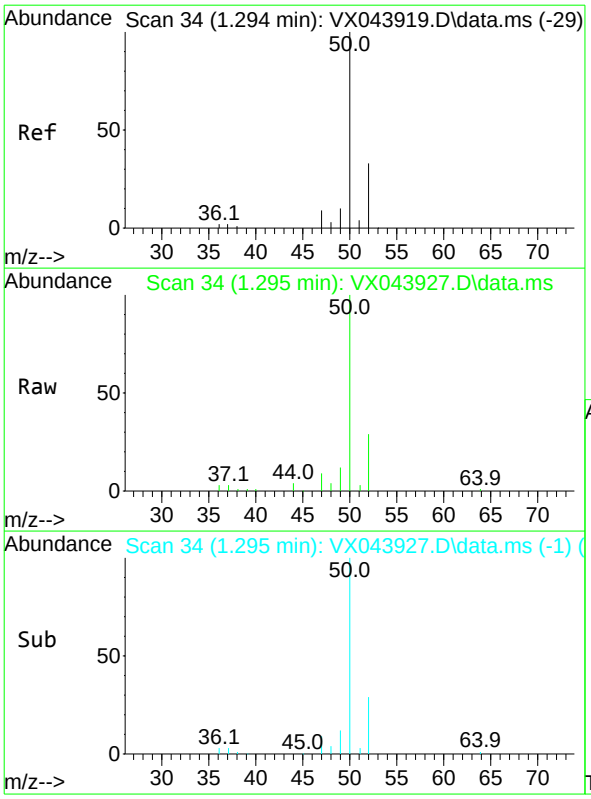



#2
Dichlorodifluoromethane
Concen: 25.327 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 17.1 | 51.2 |

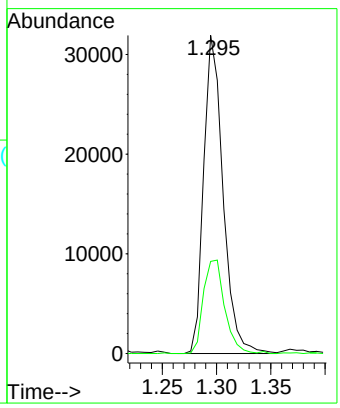





#3
Chloromethane
Concen: 22.767 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 50 Resp: 39622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.9 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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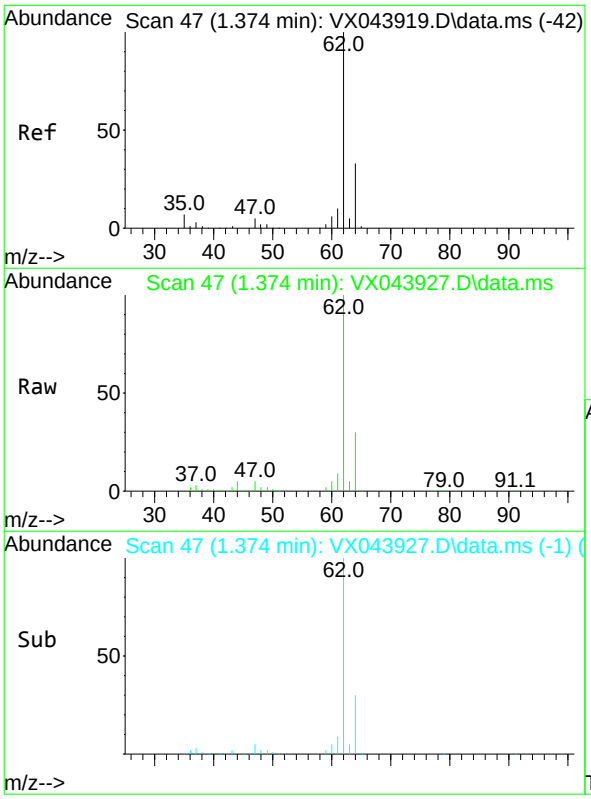
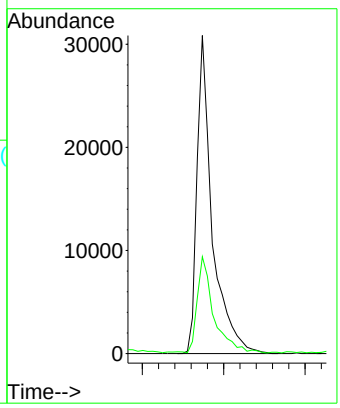
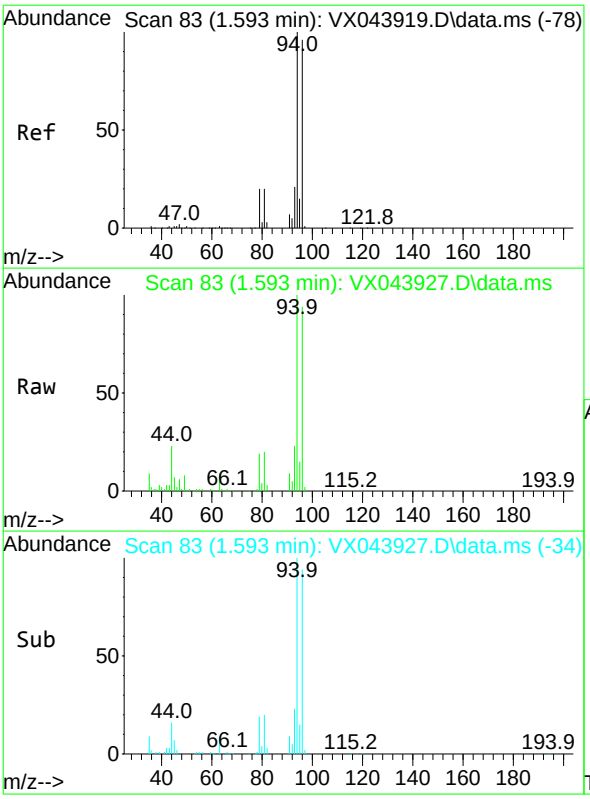



#4
Vinyl Chloride
Concen: 22.975 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.0 | 26.1 | 39.1 |

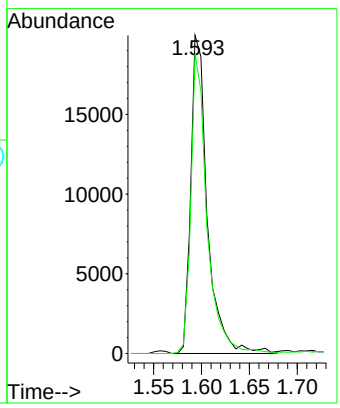





#5
Bromomethane
Concen: 30.357 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 94 Resp: 24112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.1 | 76.5 | 114.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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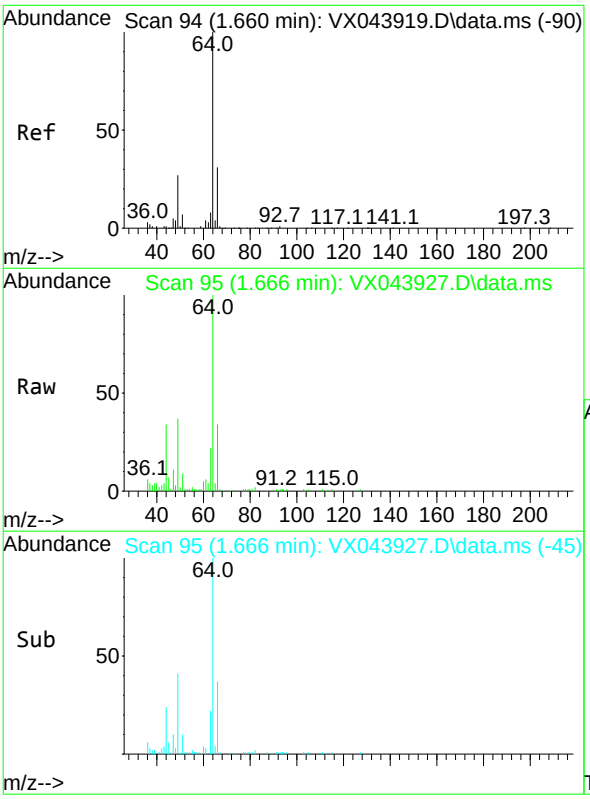
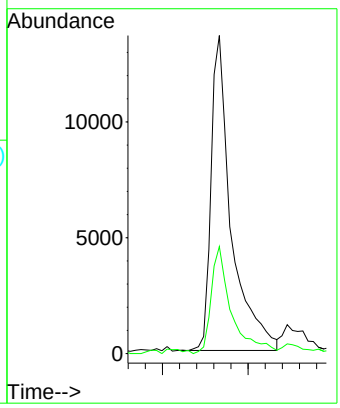
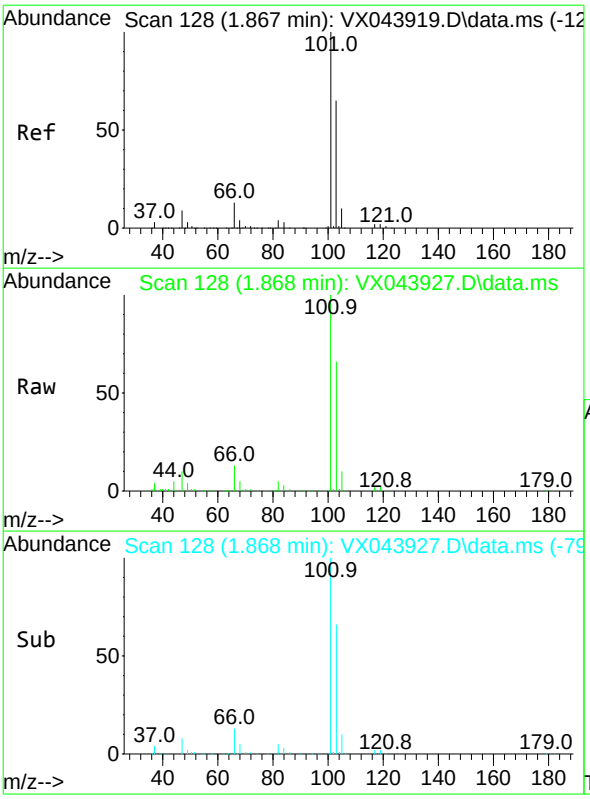



#6
Chloroethane
Concen: 26.595 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 24.9 | 37.3 |

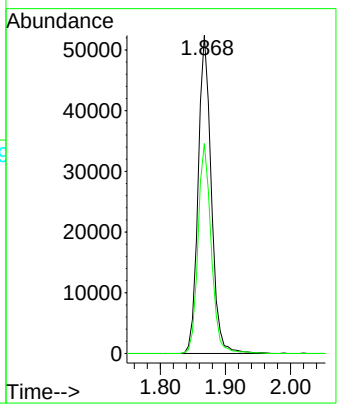





#7
Trichlorofluoromethane
Concen: 29.469 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:101 Resp: 73464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 52.2 | 78.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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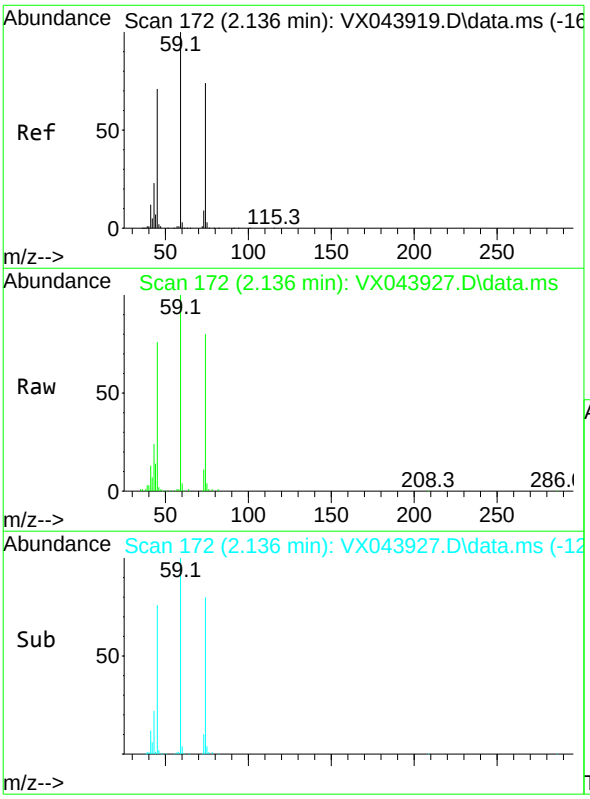
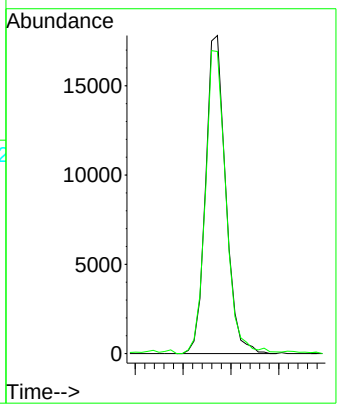
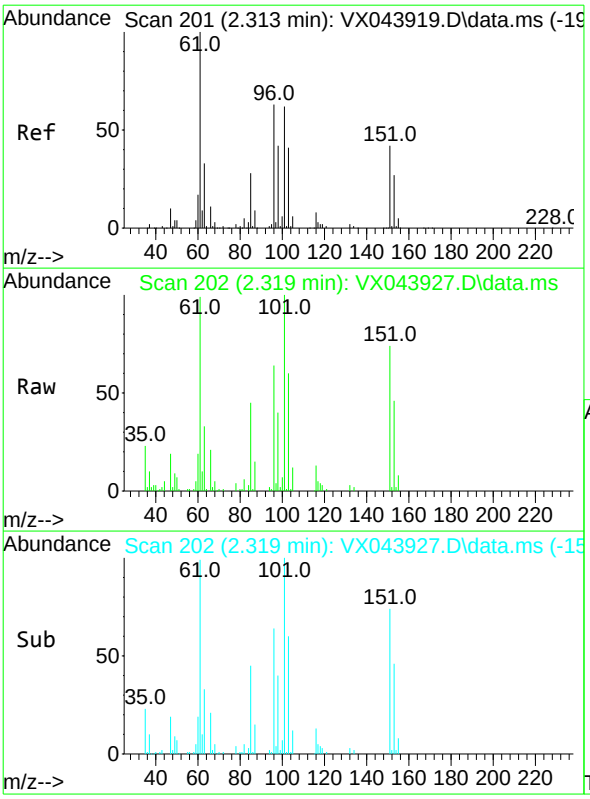



#8
Diethyl Ether
Concen: 27.531 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.4 | 49.9 | 149.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.561 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 33284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 36.6 | 54.8 |
| 151 | 70.1 | 59.8 | 89.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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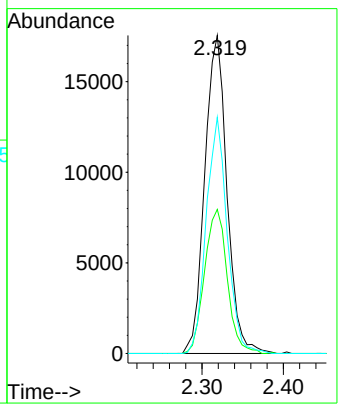
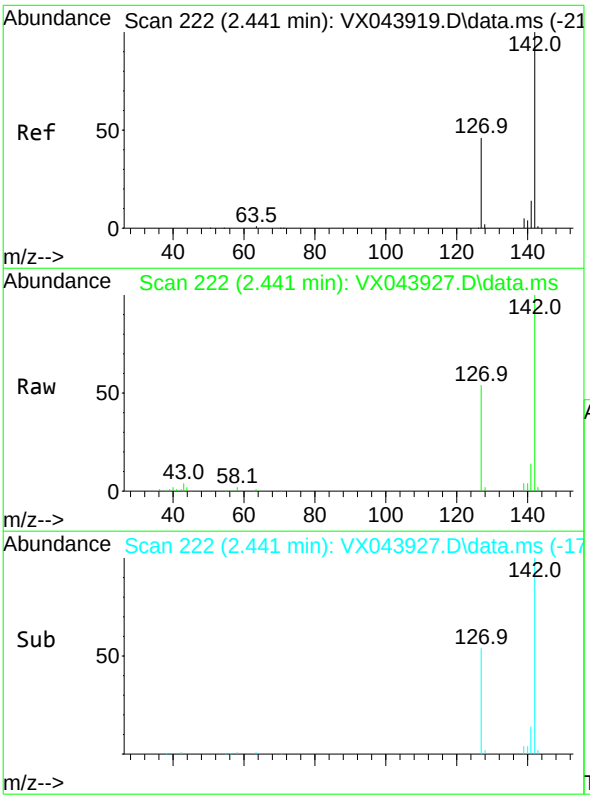
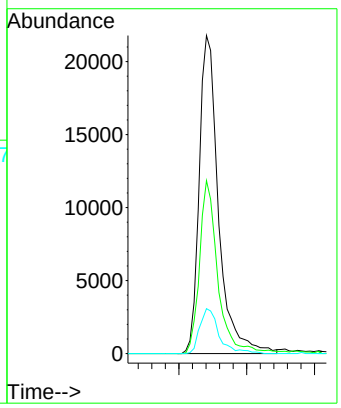


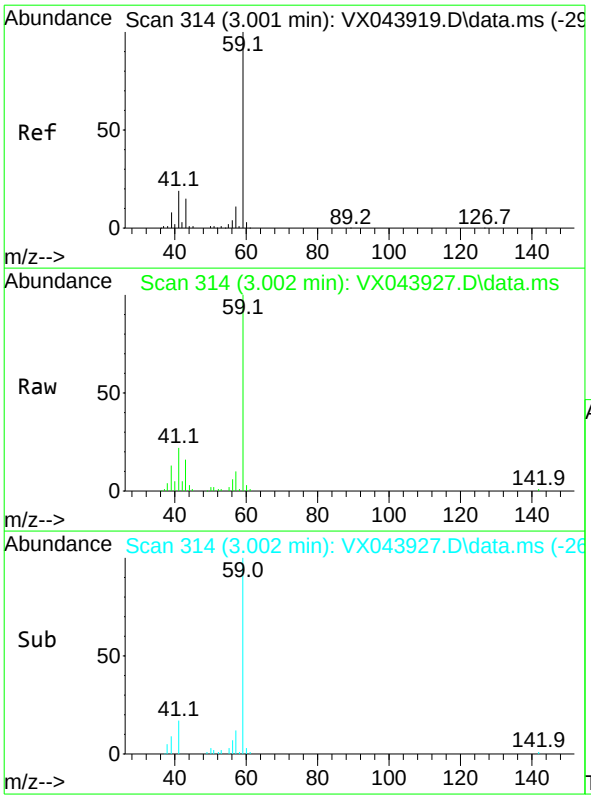




#10
Methyl Iodide
Concen: 20.733 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.8 | 37.3 | 55.9 |
| 141 | 14.2 | 11.4 | 17.2 |

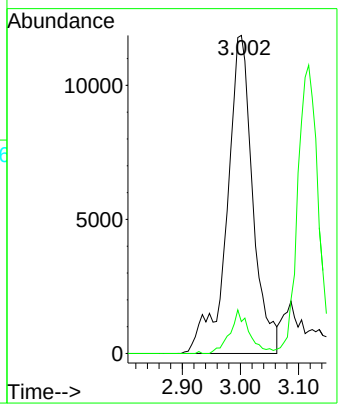





#11
Tert butyl alcohol
Concen: 108.748 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 59 Resp: 36554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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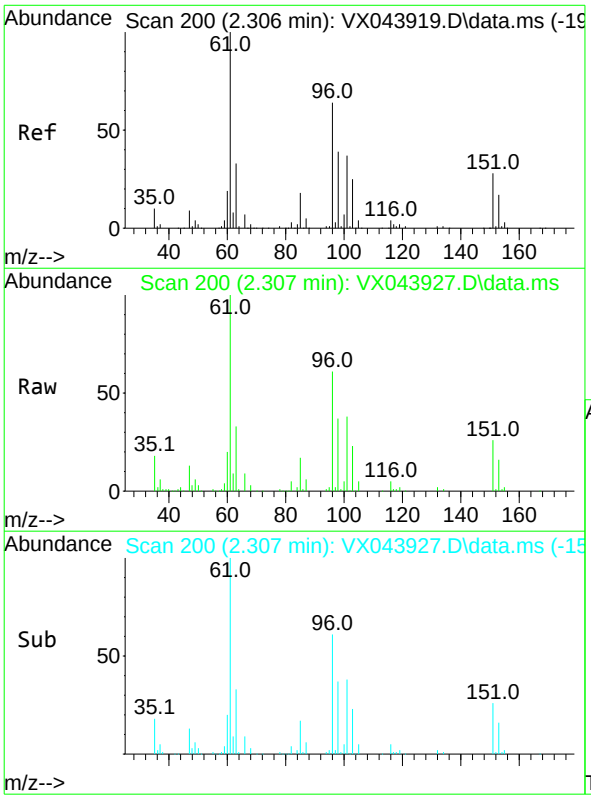
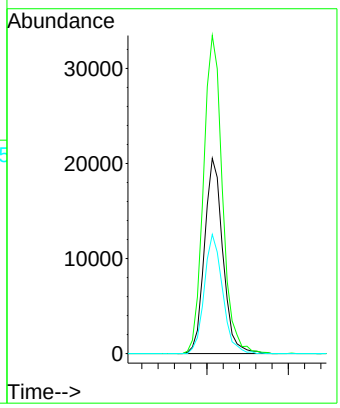
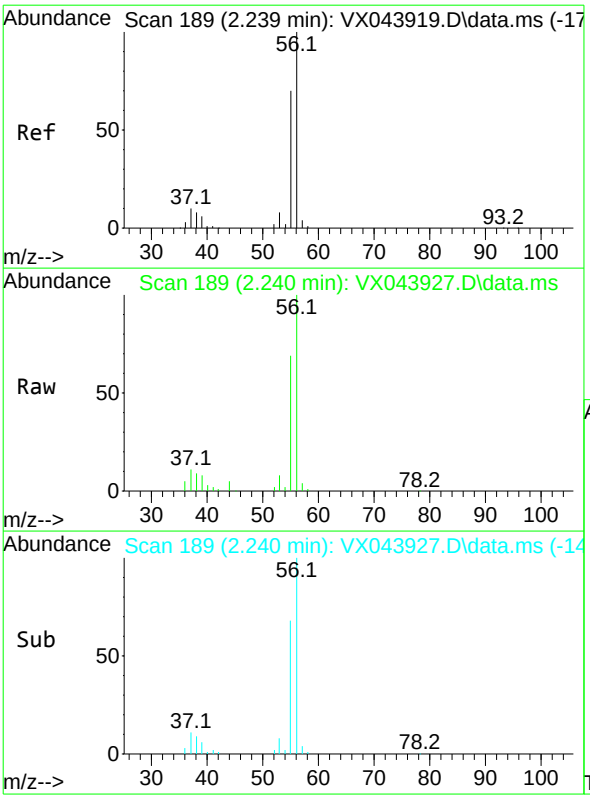



#12
1,1-Dichloroethene
Concen: 22.474 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 124.6 | 187.0 |
| 98 | 61.0 | 49.0 | 73.6 |

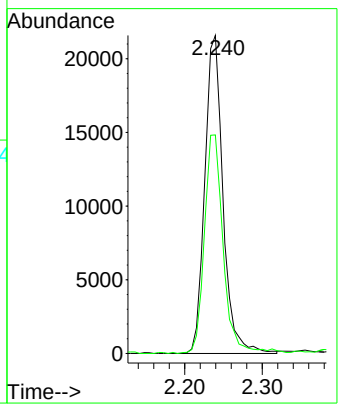





#13
Acrolein
Concen: 93.505 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 56 Resp: 35249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.2 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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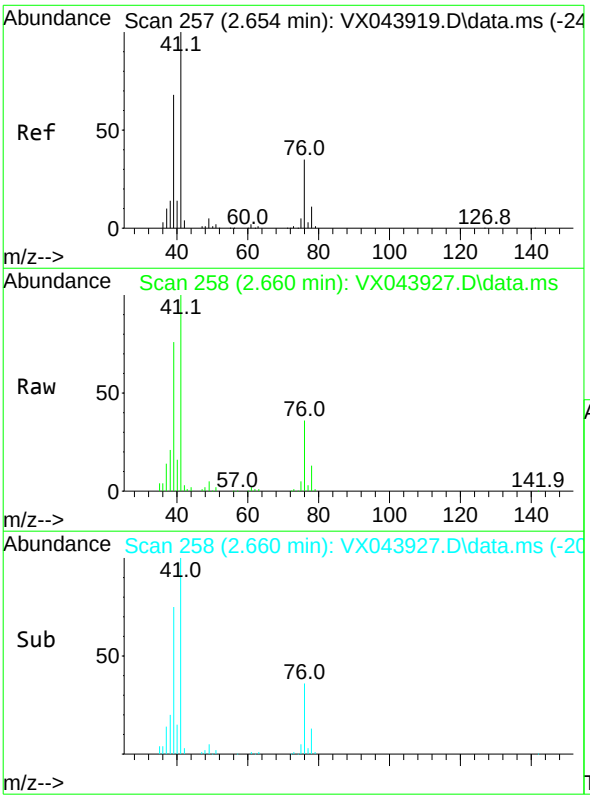
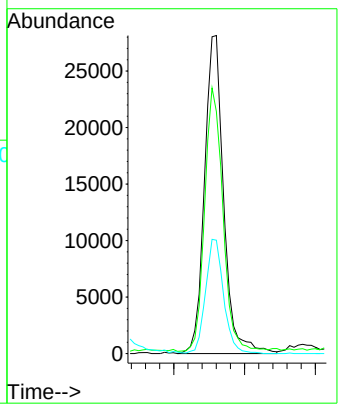
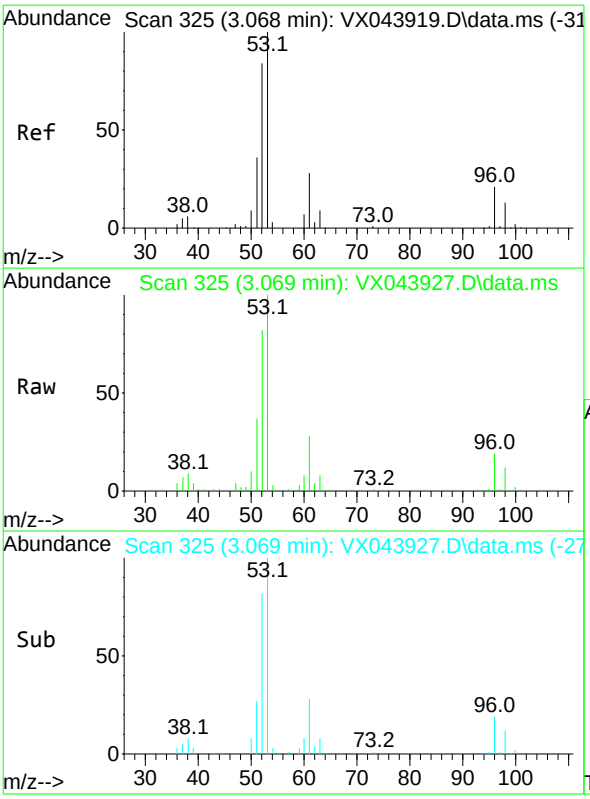



#14
Allyl chloride
Concen: 22.853 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.7 | 51.7 | 77.5# |
| 76 | 33.9 | 28.2 | 42.2 |

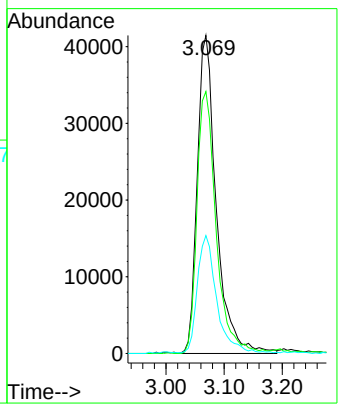





#15
Acrylonitrile
Concen: 109.118 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 53 Resp: 94417

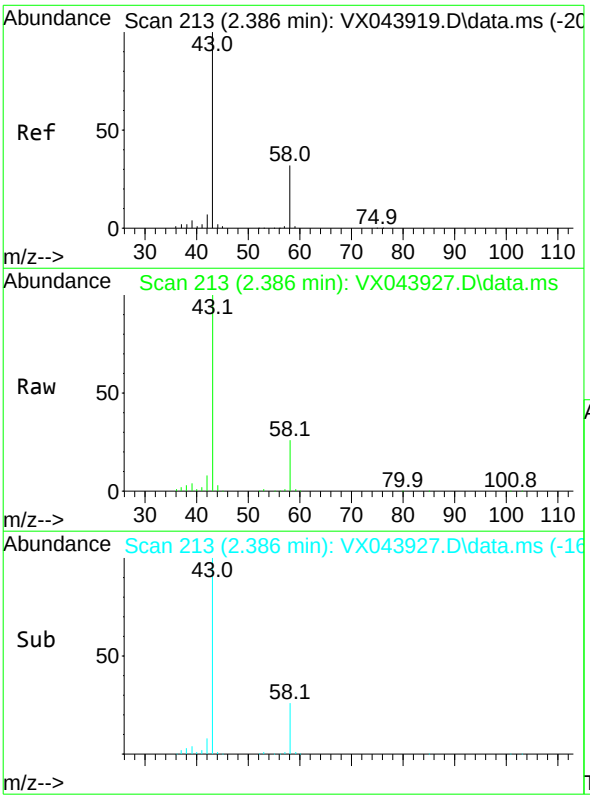
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 65.8 | 98.8 |
| 51 | 37.1 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

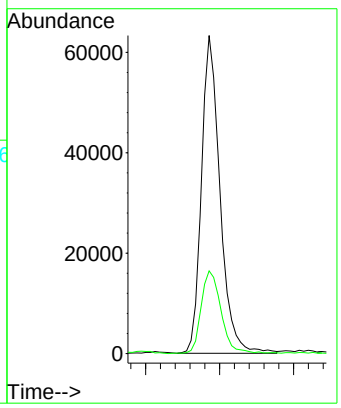
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

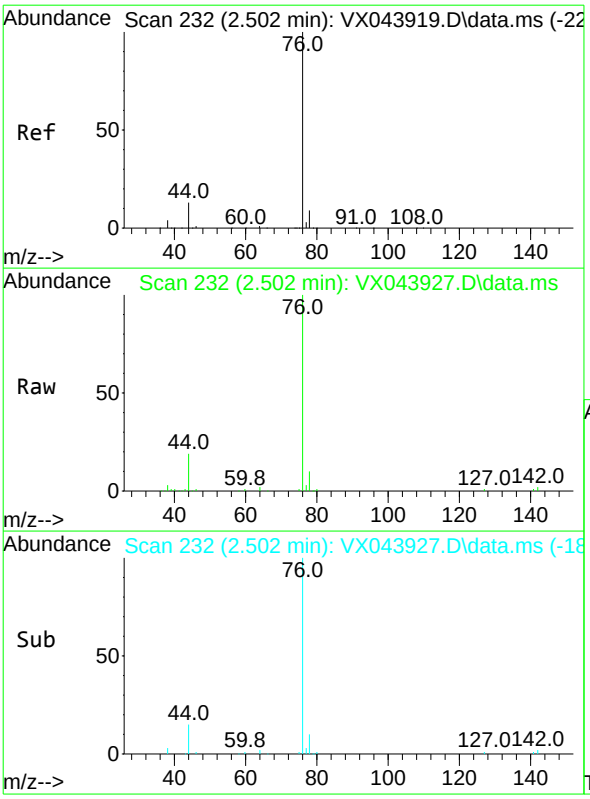



#16
Acetone
Concen: 130.004 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.9 | 25.8 | 38.6 |

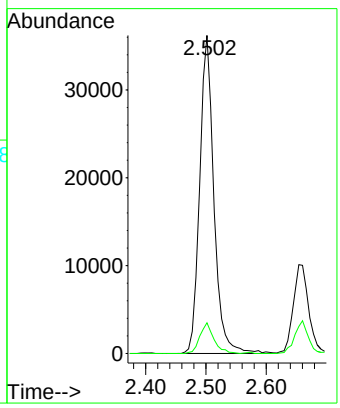





#17
Carbon Disulfide
Concen: 18.983 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 59349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.7 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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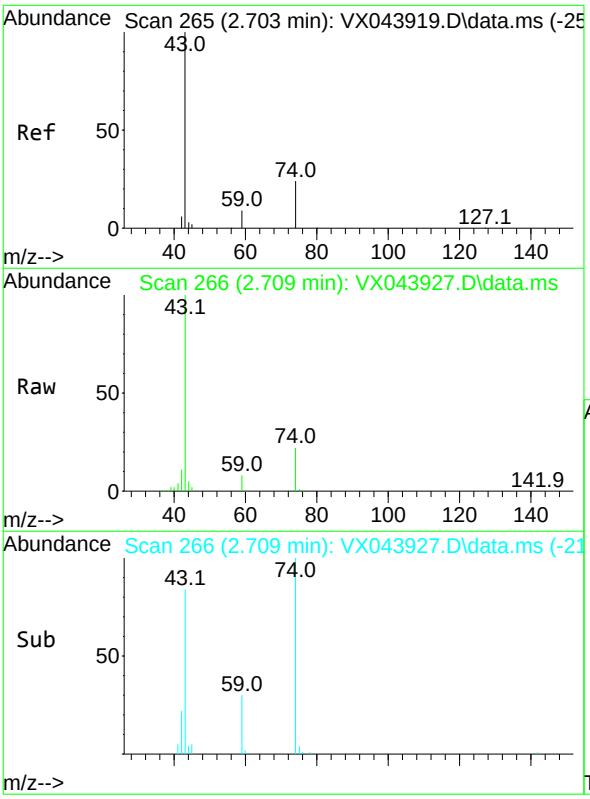
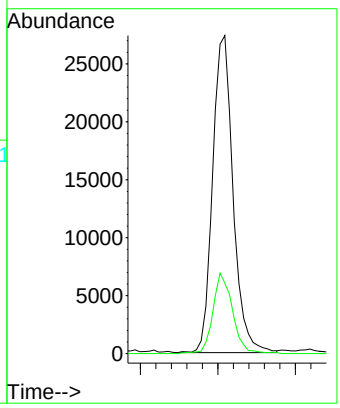
Supervised By :Mahesh Dadoda 11/22/2024

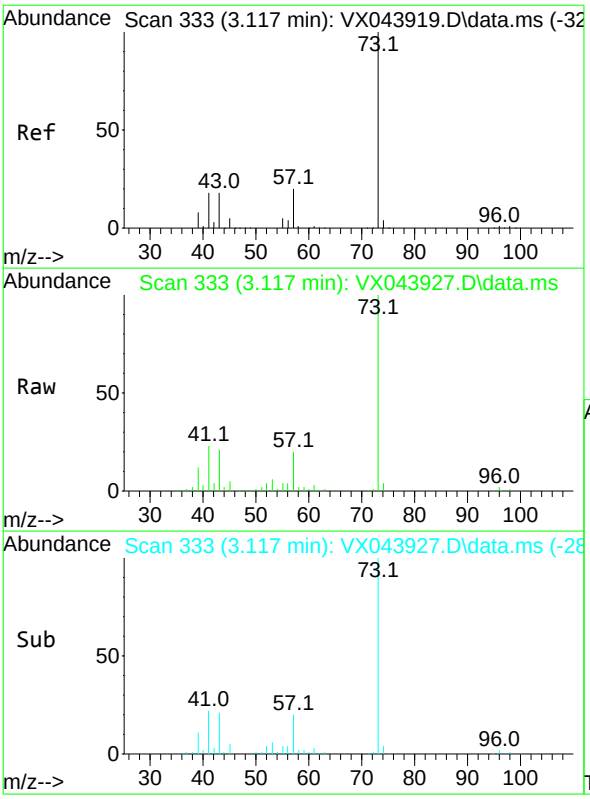



#18
Methyl Acetate
Concen: 21.564 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 20.1 | 30.1 |

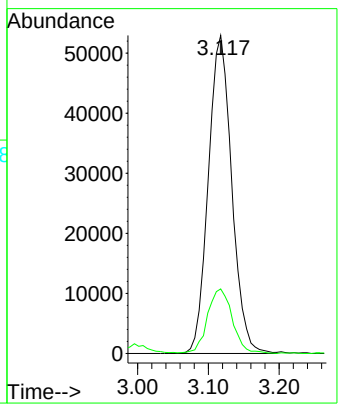





#19
Methyl tert-butyl Ether
Concen: 23.009 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 73 Resp: 121776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 16.4 | 24.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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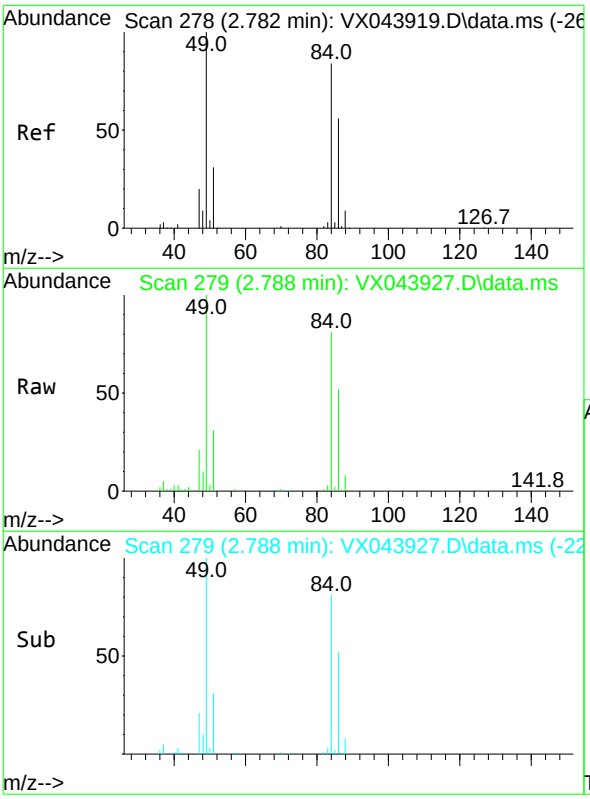
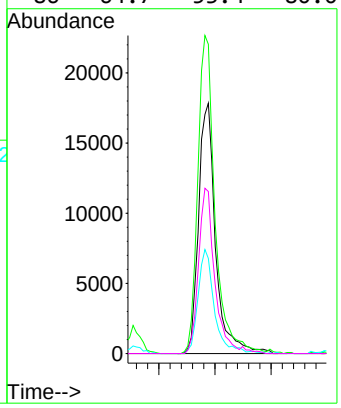
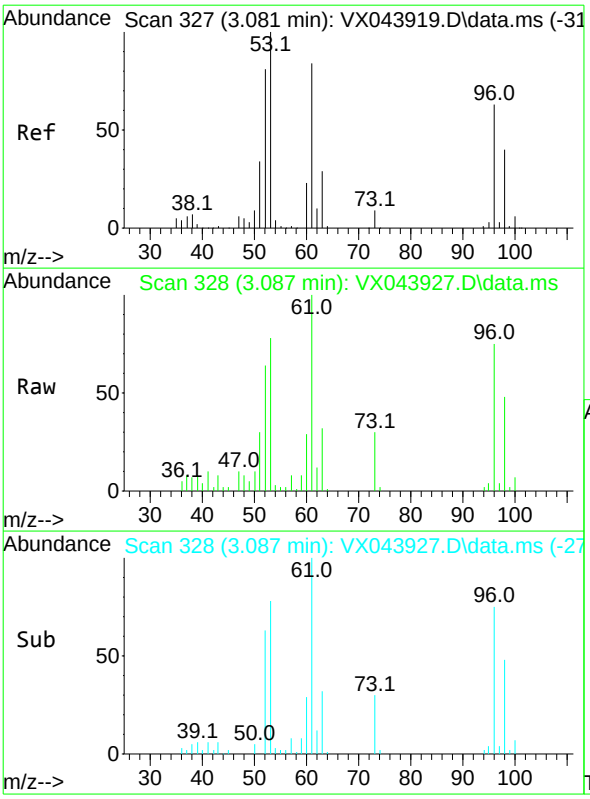



#20
Methylene Chloride
Concen: 21.177 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.5 | 95.1 | 142.7 |
| 51 | 38.0 | 29.2 | 43.8 |
| 86 | 64.7 | 53.4 | 80.0 |

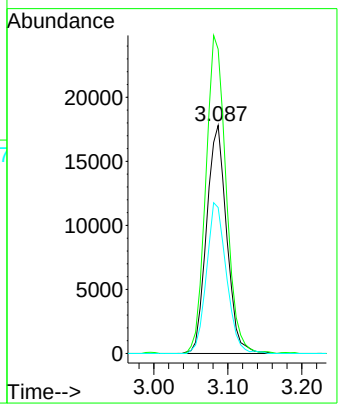





#21
trans-1,2-Dichloroethene
Concen: 21.489 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 33545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 106.4 | 159.6 |
| 98 | 64.0 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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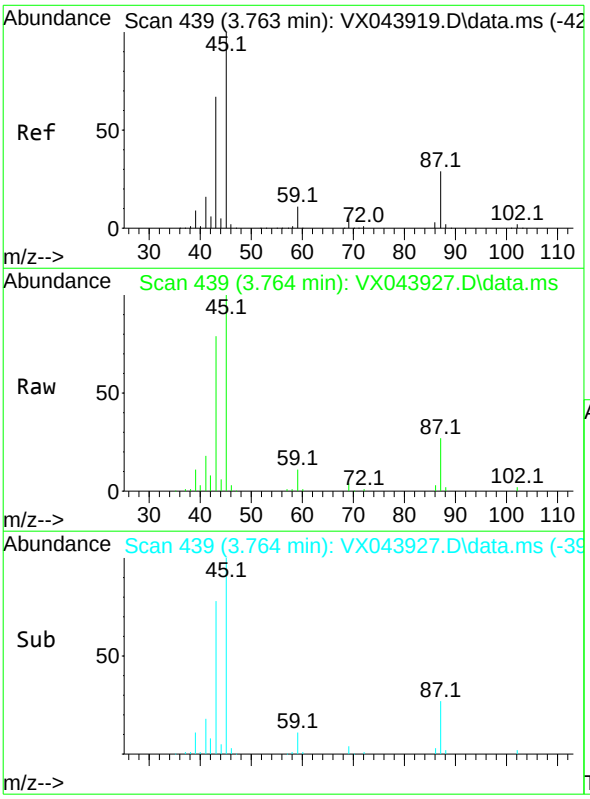
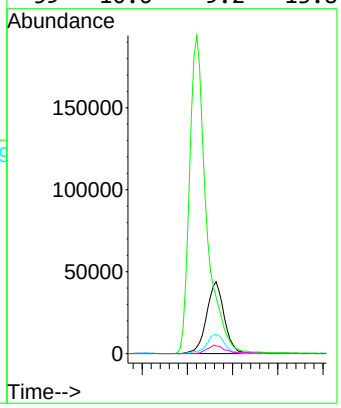
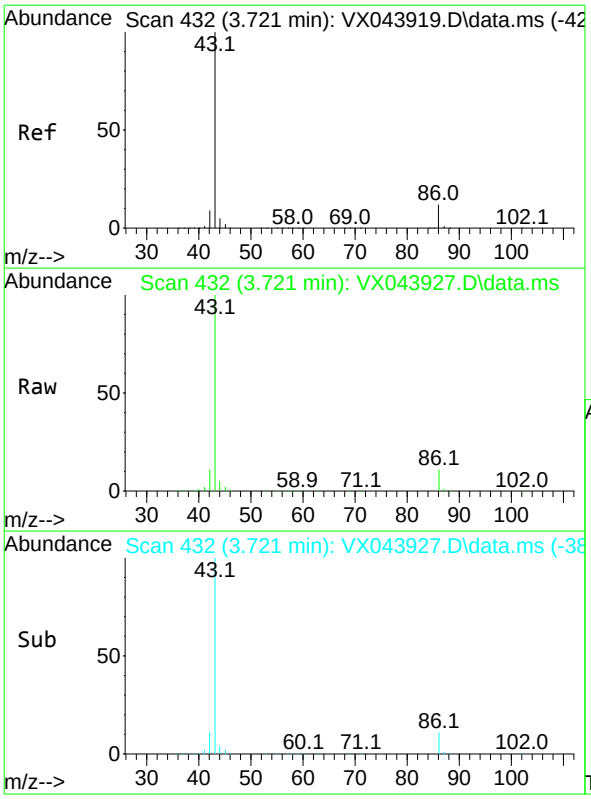



#22
Diisopropyl ether
Concen: 23.557 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 77.4 | 53.8 | 80.6 |
| 87 | 26.6 | 23.4 | 35.2 |
| 59 | 10.6 | 9.2 | 13.8 |

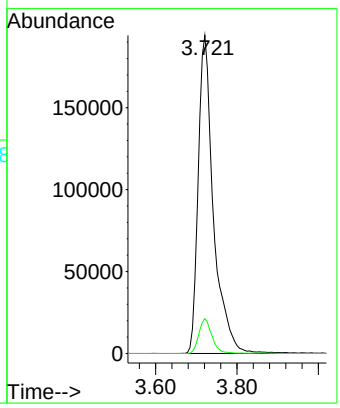





#23
Vinyl Acetate
Concen: 122.699 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 504408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 9.4 | 14.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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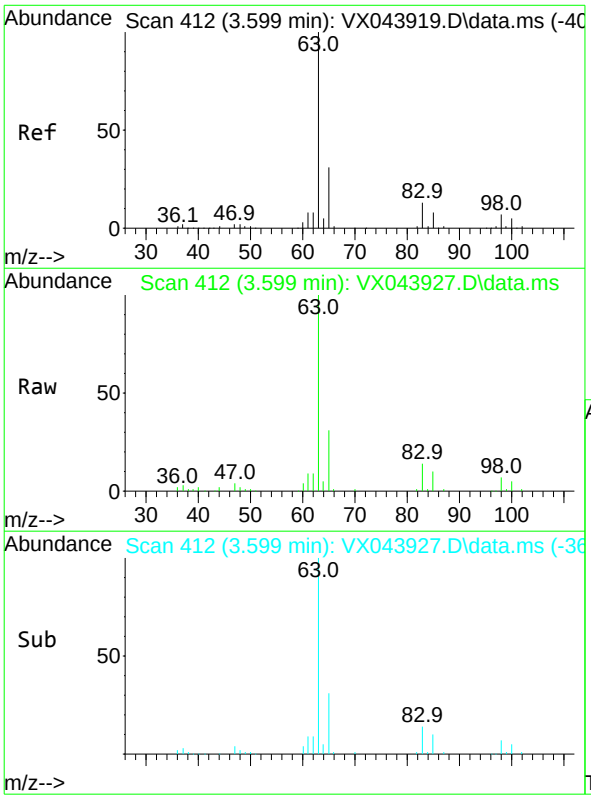
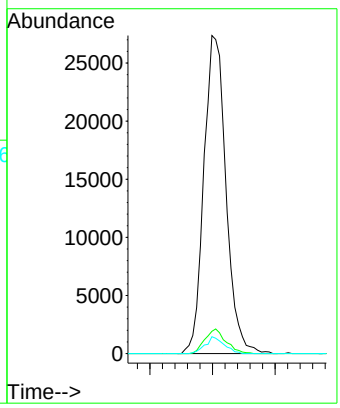
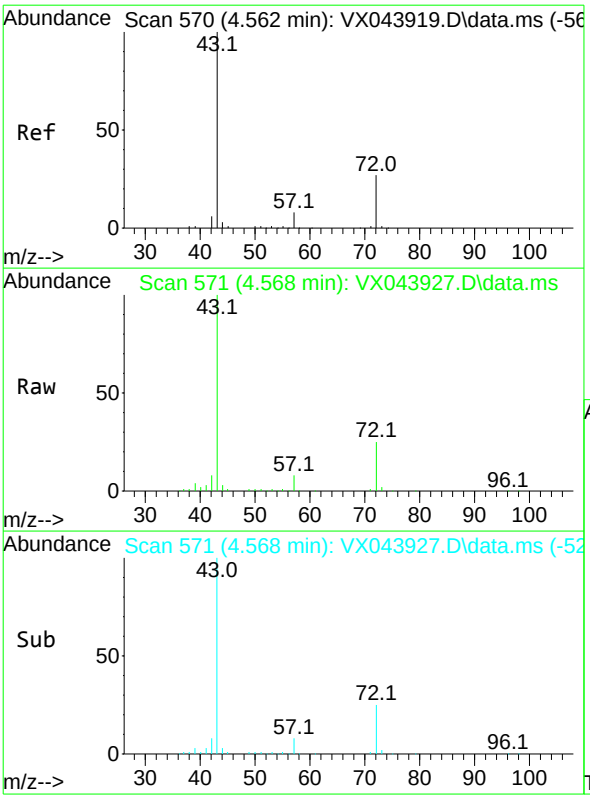



#24
1,1-Dichloroethane
Concen: 22.540 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.7 | 11.1 |
| 100 | 5.3 | 2.4 | 7.2 |

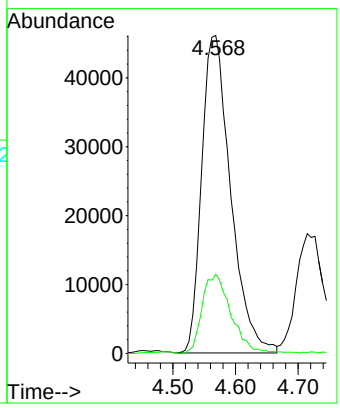





#25
2-Butanone
Concen: 124.741 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 148152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 21.3 | 31.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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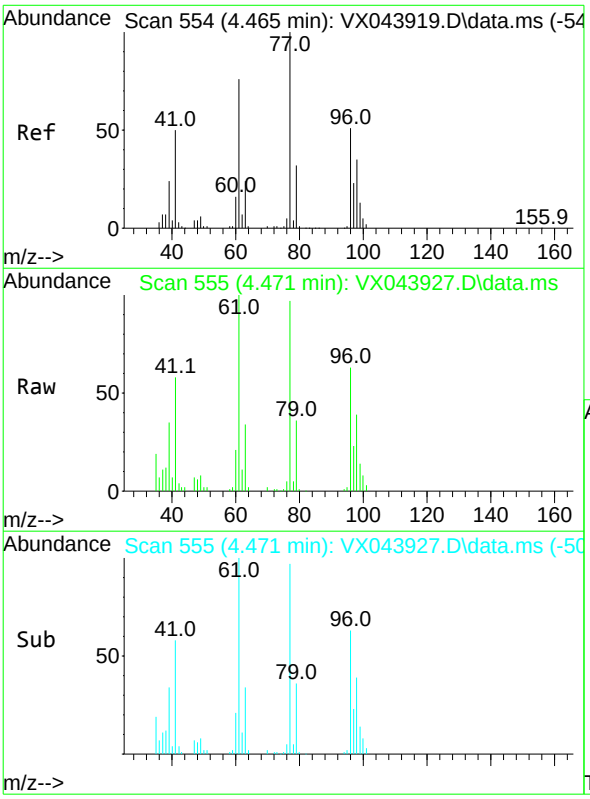
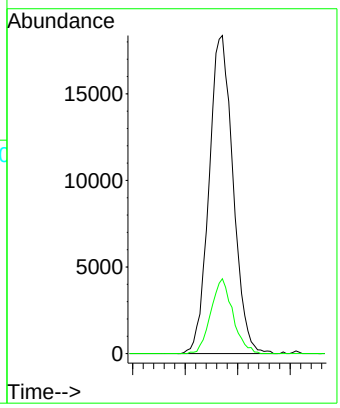
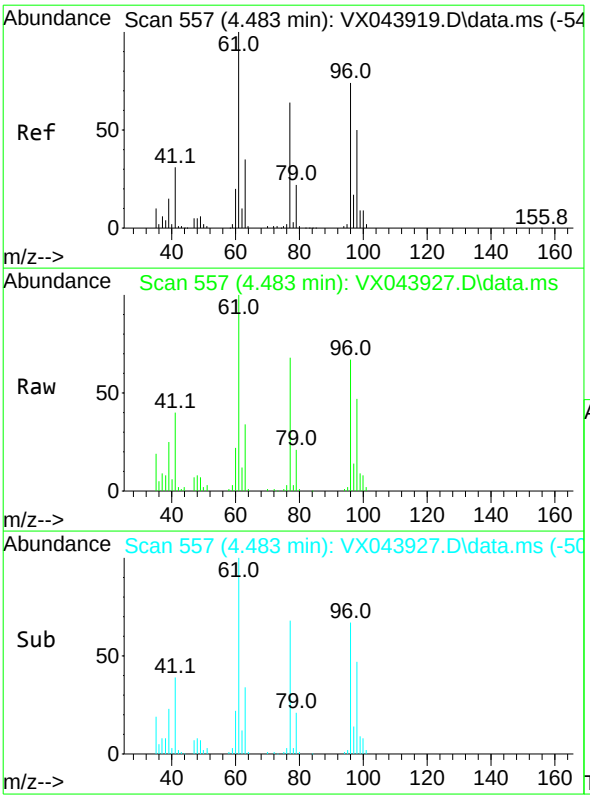



#26
2,2-Dichloropropane
Concen: 23.843 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.7 | 35.1 |

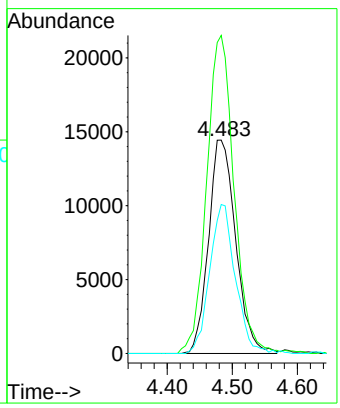





#27
cis-1,2-Dichloroethene
Concen: 21.551 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 41866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 0.0 | 279.4 |
| 98 | 66.3 | 0.0 | 131.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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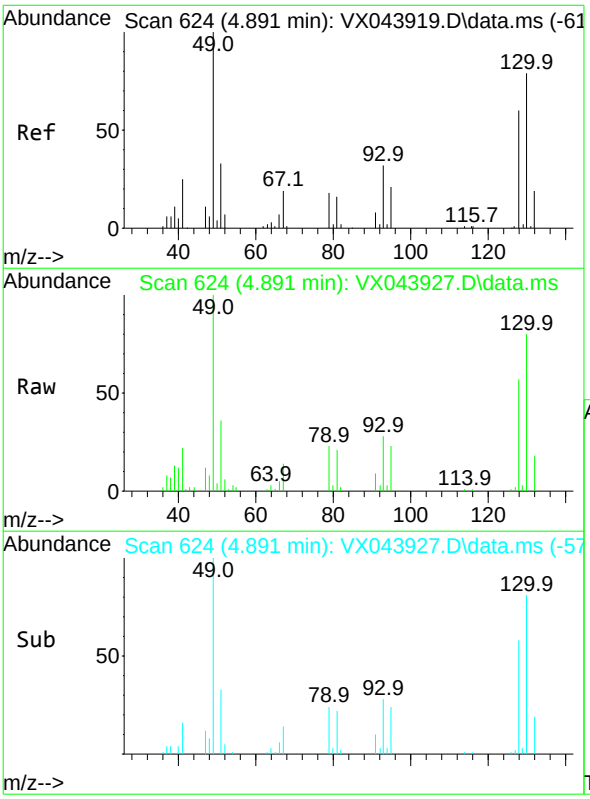
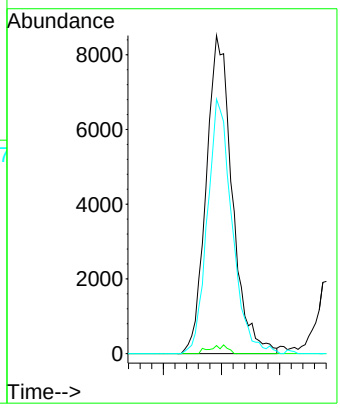
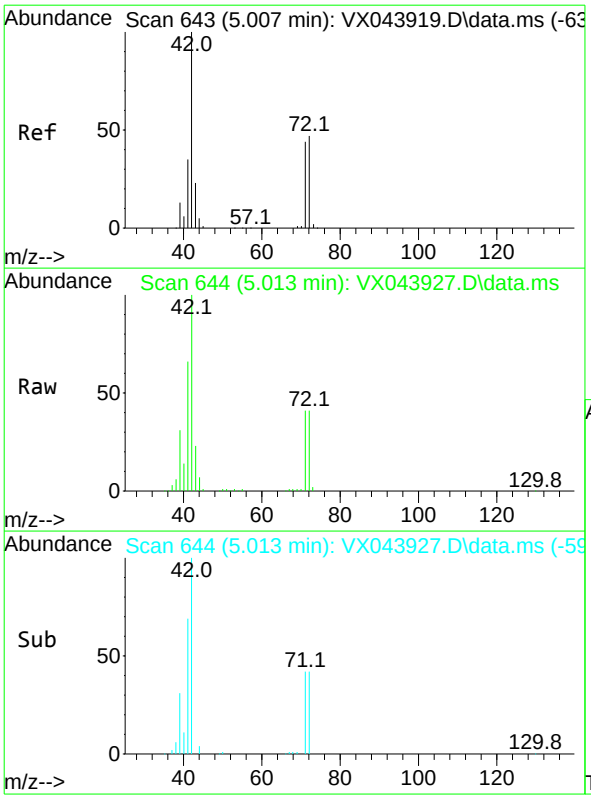



#28
Bromochloromethane
Concen: 21.119 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.4 |
| 130 | 75.8 | 68.2 | 102.2 |

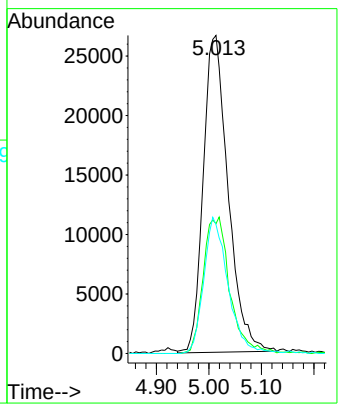





#29
Tetrahydrofuran
Concen: 114.321 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 42 Resp: 87736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.8 | 37.9 | 56.9 |
| 71 | 42.0 | 34.8 | 52.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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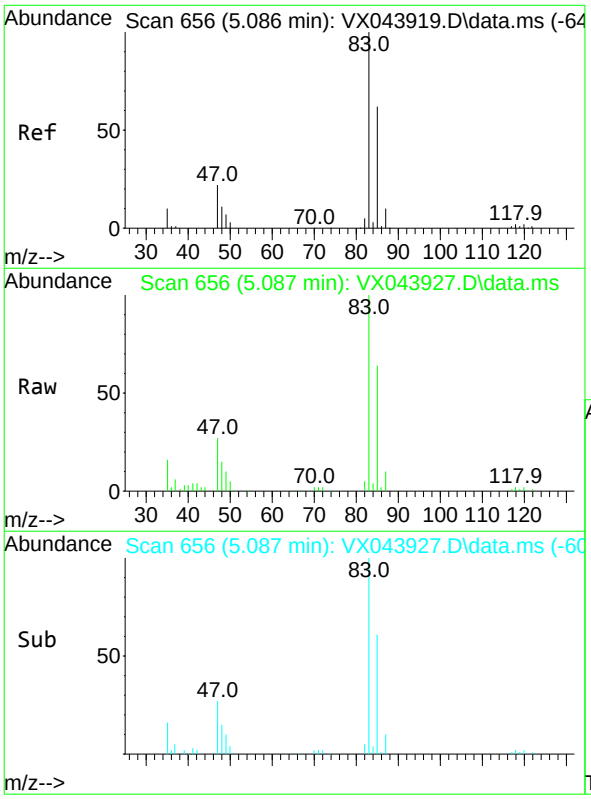
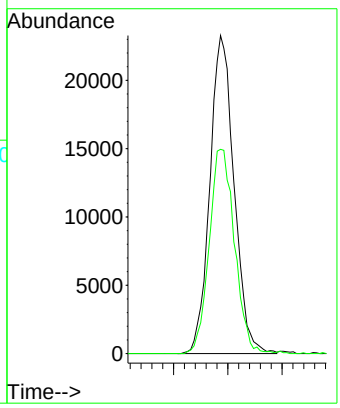
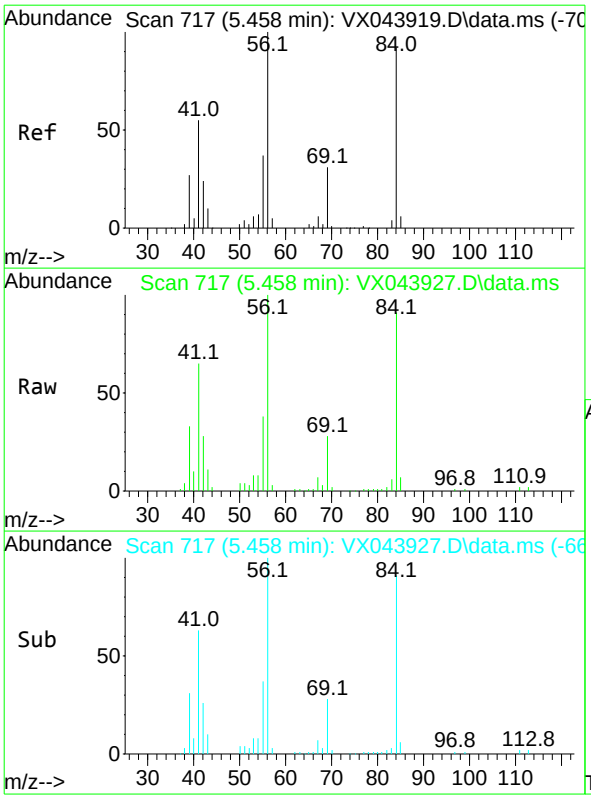



#30
Chloroform
Concen: 23.172 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 49.7 | 74.5 |






#31
Cyclohexane
Concen: 22.225 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 56 Resp: 53731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.4 | 24.9 | 37.3 |
| 84 | 89.6 | 73.8 | 110.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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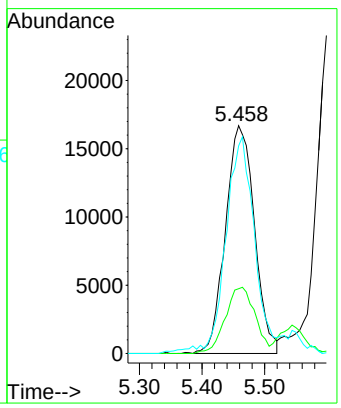
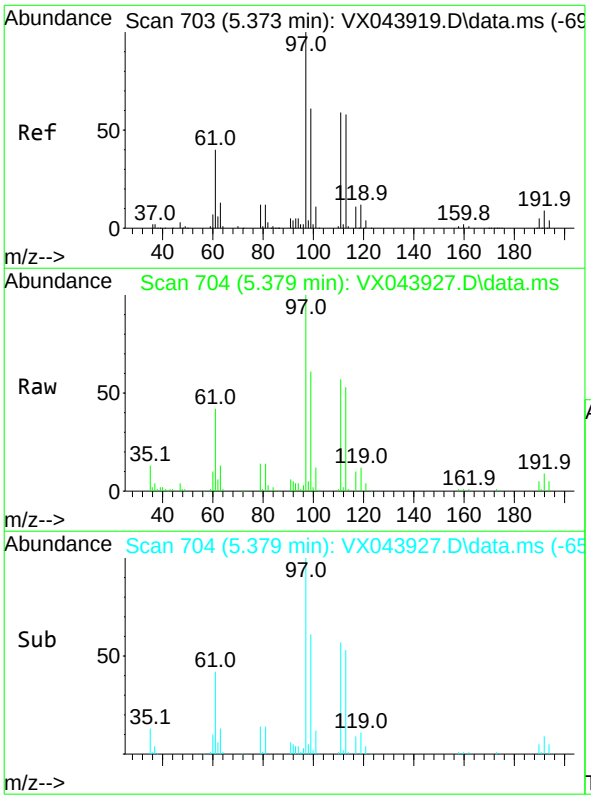
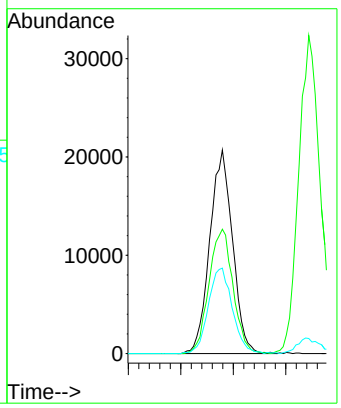


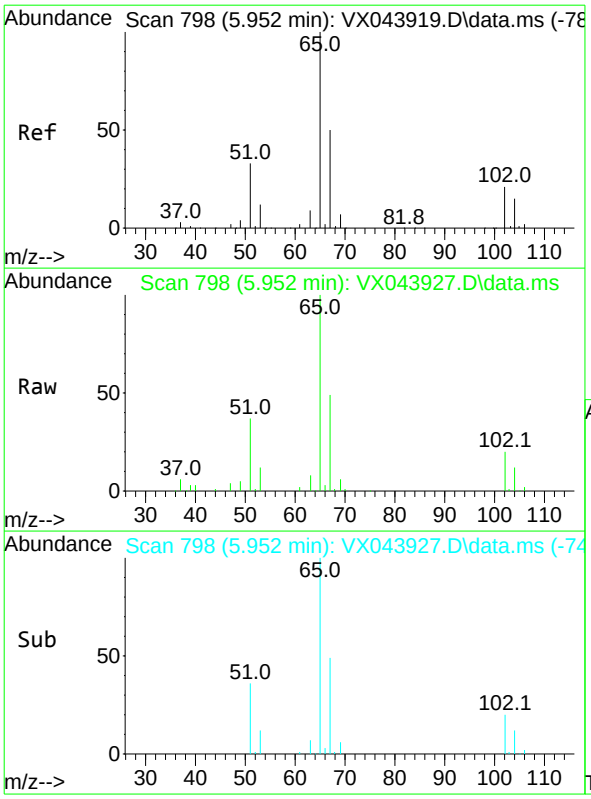




#32
1,1,1-Trichloroethane
Concen: 23.474 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 51.2 | 76.8 |
| 61 | 44.1 | 32.9 | 49.3 |

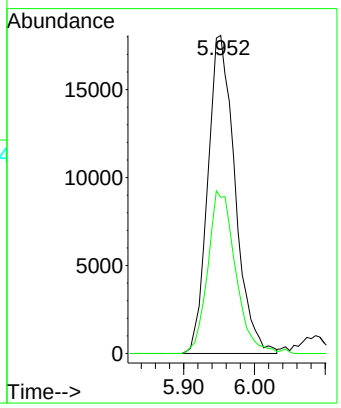





#33
1,2-Dichloroethane-d4
Concen: 22.821 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 65 Resp: 48239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 103.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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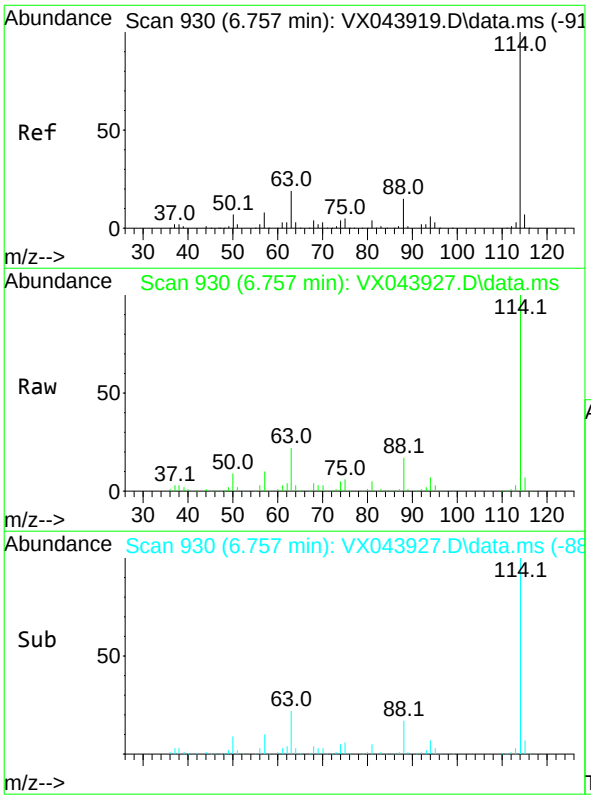
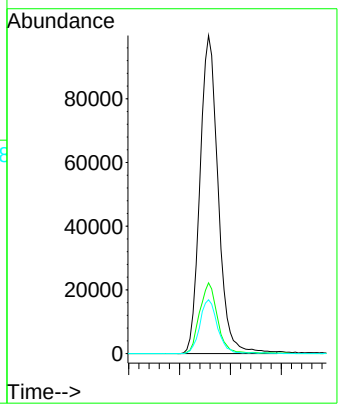
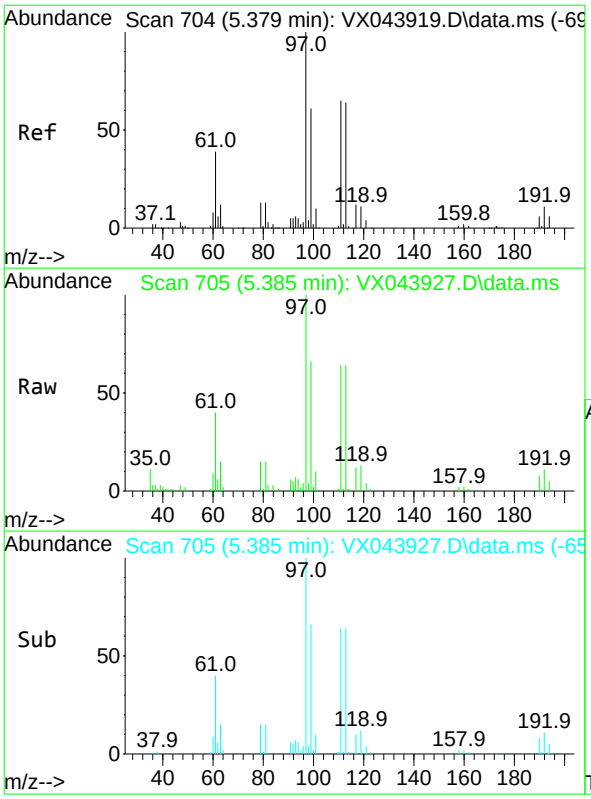



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 39.0 |
| 88 | 16.9 | 0.0 | 30.2 |

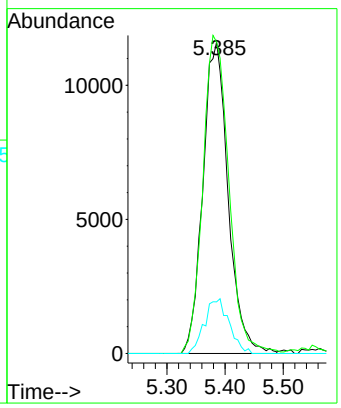





#35
Dibromofluoromethane
Concen: 21.040 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:113 Resp: 35015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.0 | 81.0 | 121.6 |
| 192 | 17.1 | 14.2 | 21.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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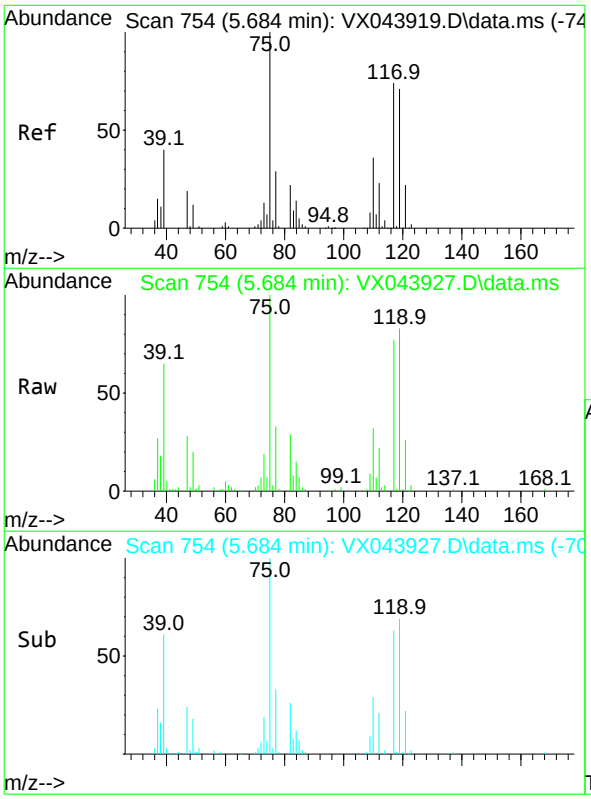
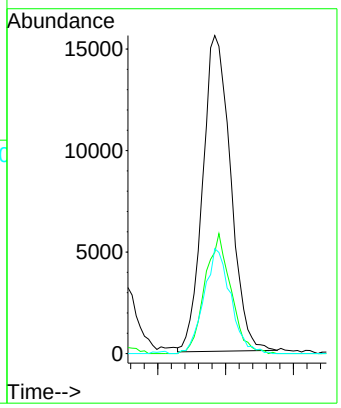
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

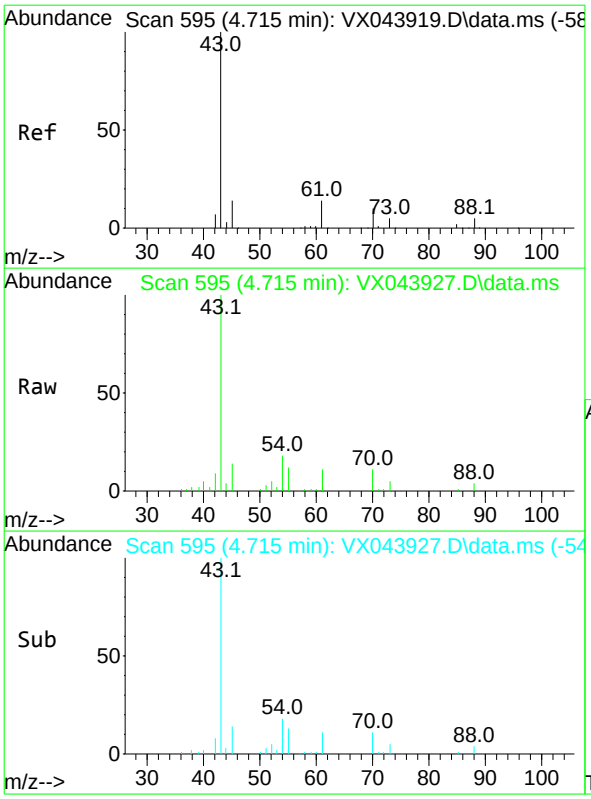



#36
1,1-Dichloropropene
Concen: 21.438 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.4 | 17.5 | 52.5 |
| 77 | 31.8 | 24.9 | 37.3 |

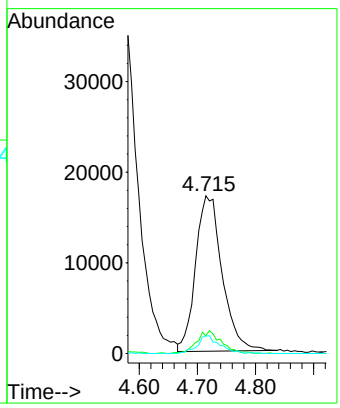





#37
Ethyl Acetate
Concen: 23.316 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 54426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 11.5 | 17.3 |
| 70 | 9.5 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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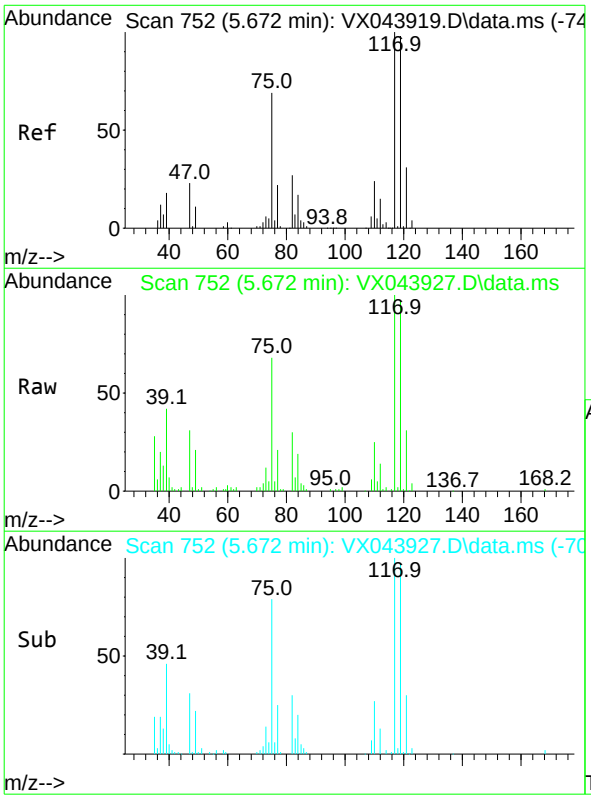
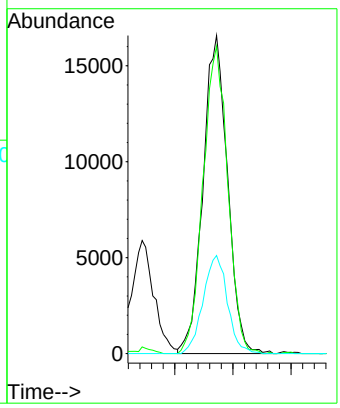
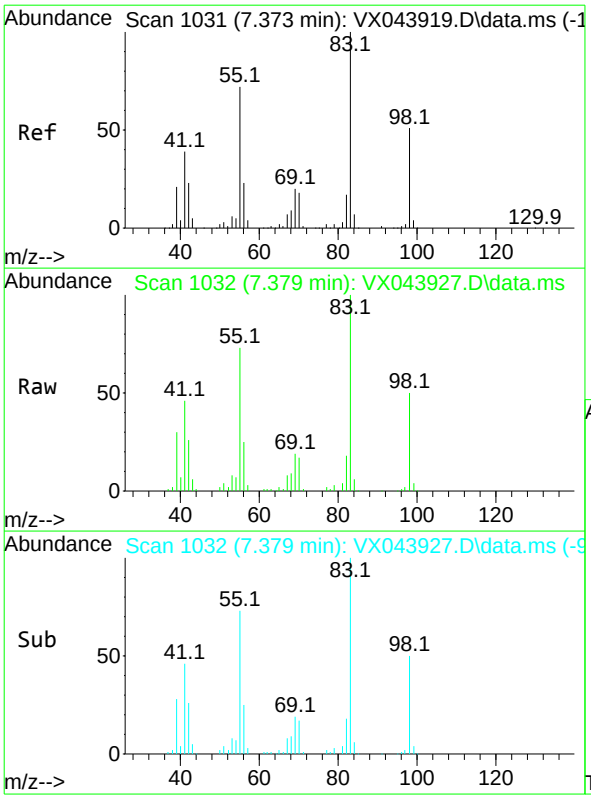



#38
Carbon Tetrachloride
Concen: 22.179 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 78.3 | 117.5 |
| 121 | 30.8 | 25.1 | 37.7 |

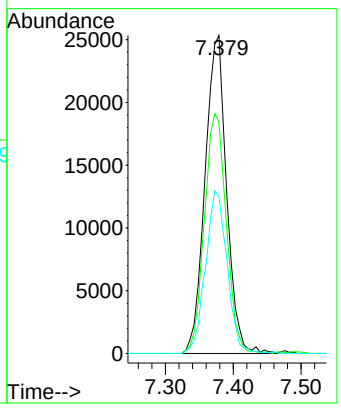





#39
Methylcyclohexane
Concen: 21.551 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 55958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.7 | 57.9 | 86.9 |
| 98 | 49.5 | 40.5 | 60.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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Reviewed By :John Carlone 11/22/2024
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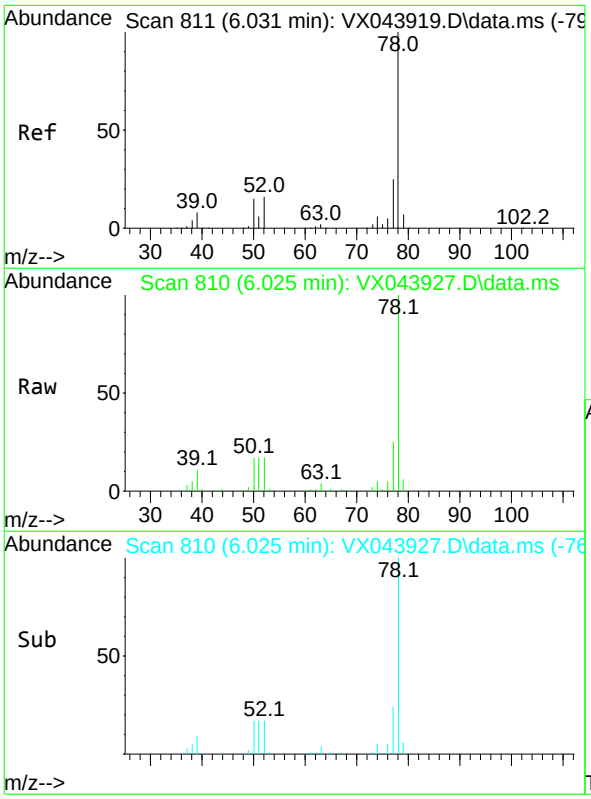
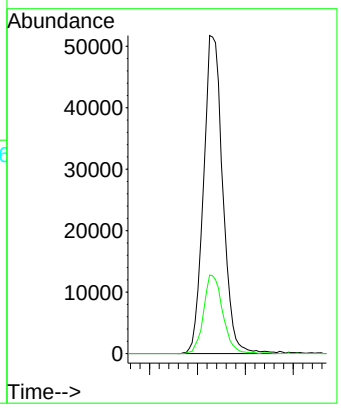
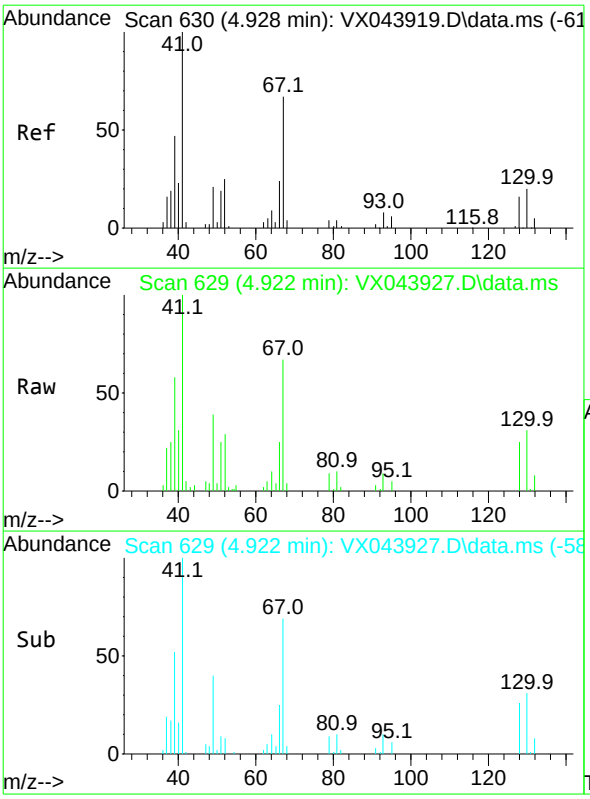



#40
Benzene
Concen: 22.144 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.8 | 29.8 |

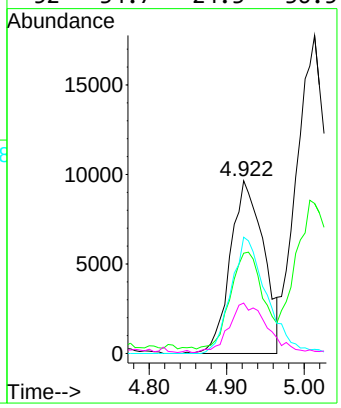





#41
Methacrylonitrile
Concen: 23.789 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 28938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.1 | 41.2 | 61.8 |
| 67 | 72.7 | 60.3 | 90.5 |
| 52 | 34.7 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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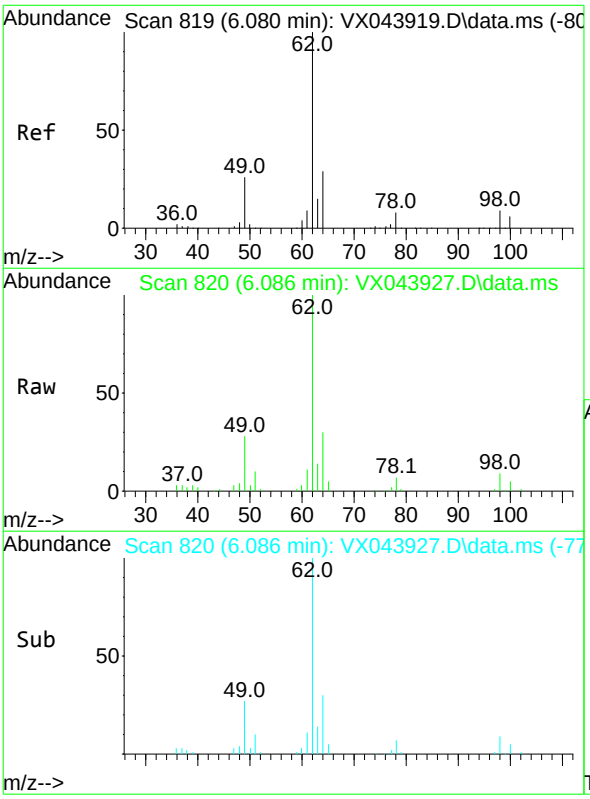
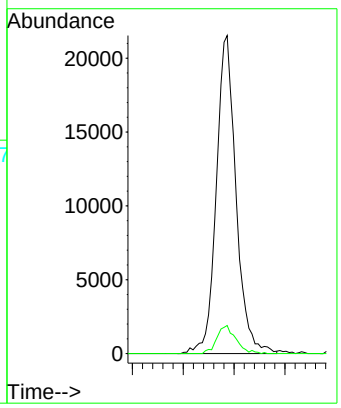
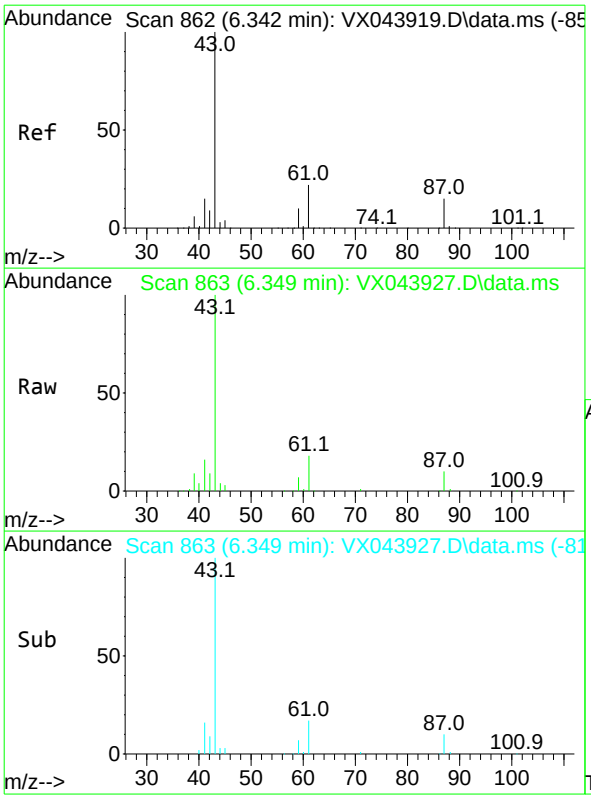



#42
1,2-Dichloroethane
Concen: 24.487 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 18.6 |

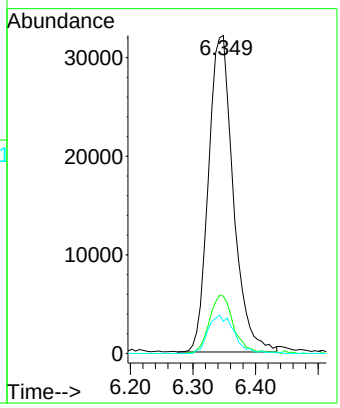





#43
Isopropyl Acetate
Concen: 24.054 ug/l
RT: 6.349 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 88577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 16.9 | 25.3 |
| 87 | 12.6 | 11.9 | 17.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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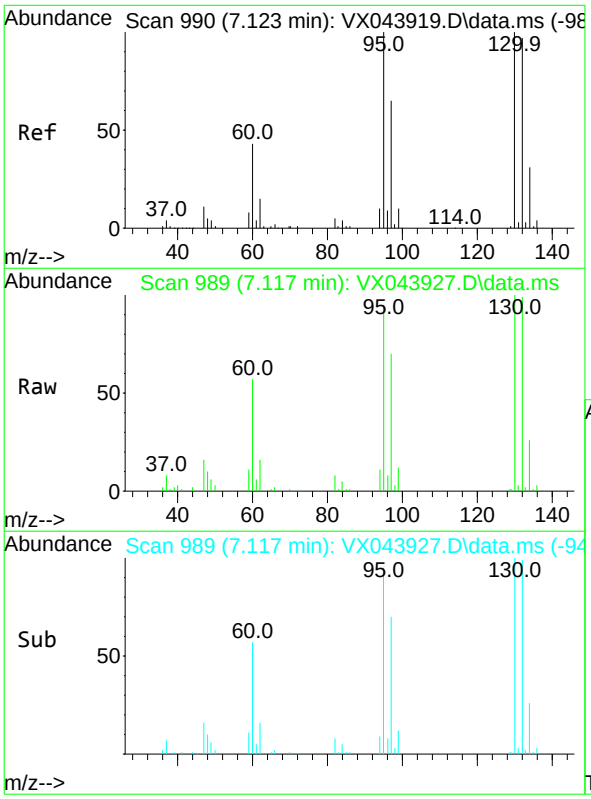
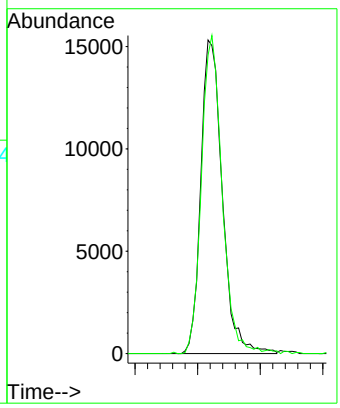
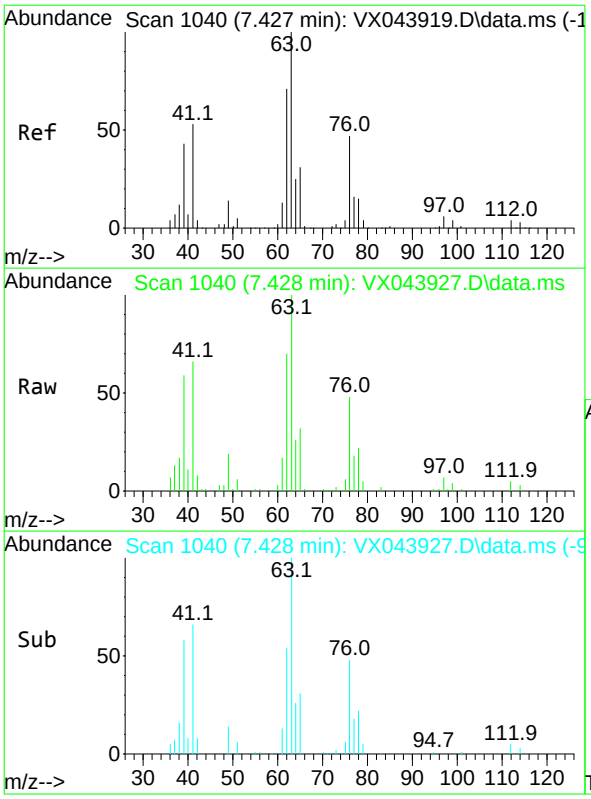



#44
Trichloroethene
Concen: 20.270 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.2 | 0.0 | 200.8 |

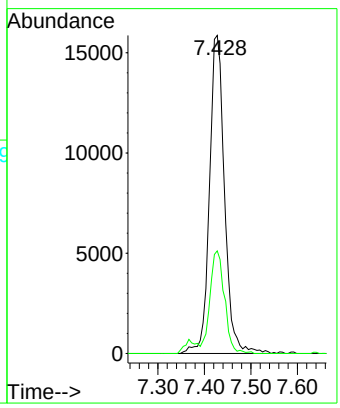





#45
1,2-Dichloropropane
Concen: 22.394 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 35791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 24.5 | 36.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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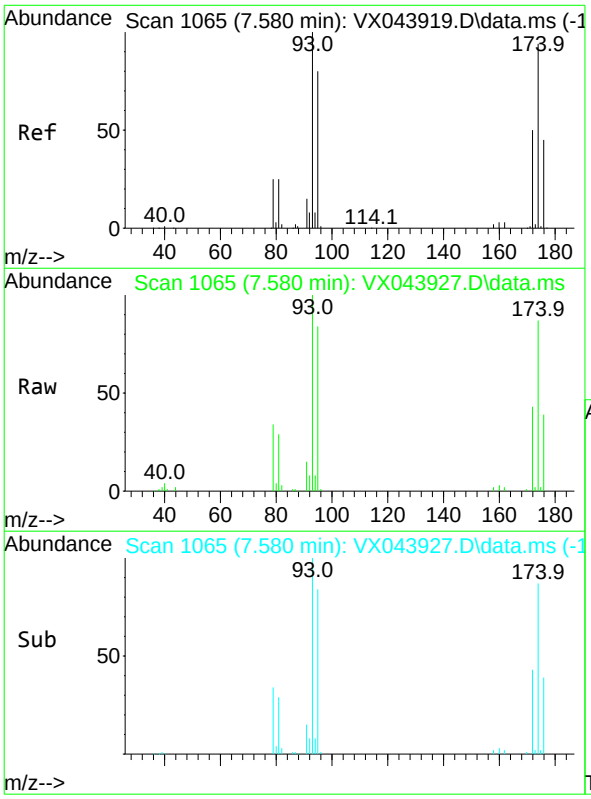
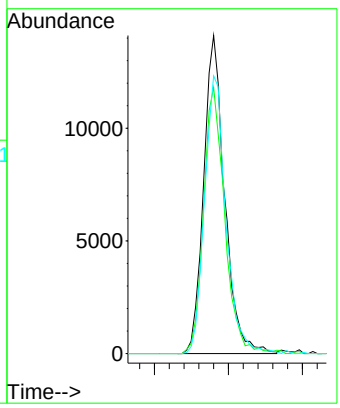
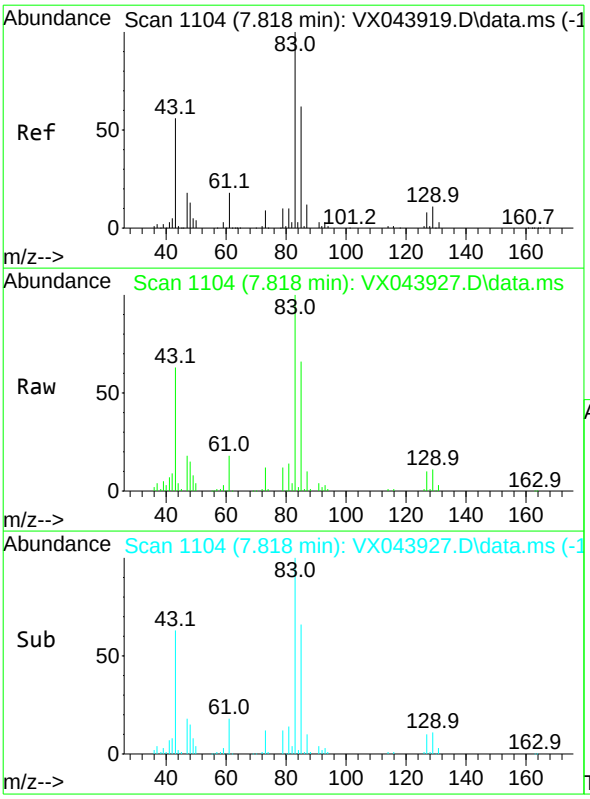



#46
Dibromomethane
Concen: 23.082 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.1 | 99.1 |
| 174 | 89.0 | 75.2 | 112.8 |

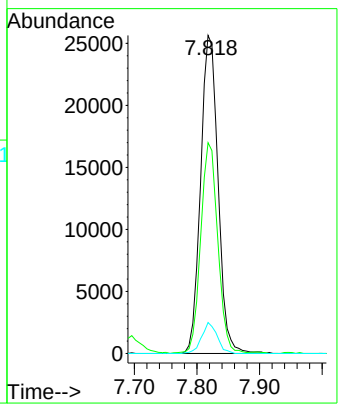





#47
Bromodichloromethane
Concen: 23.471 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 49665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 49.4 | 74.0 |
| 127 | 9.7 | 6.2 | 9.4# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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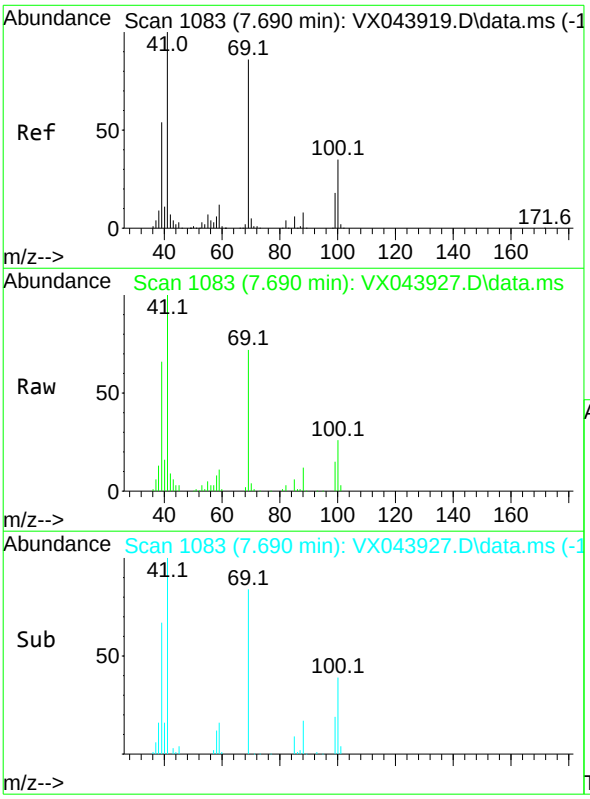
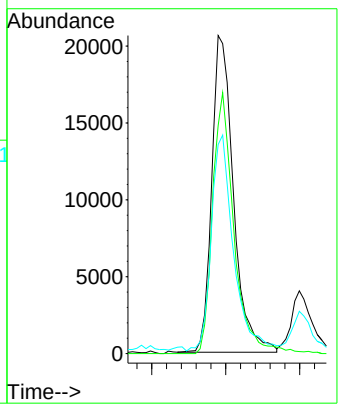
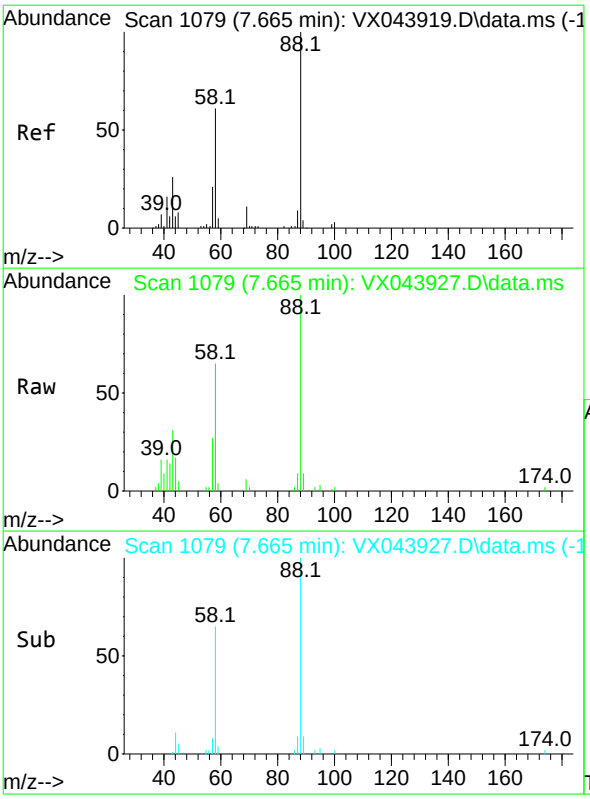



#48
Methyl methacrylate
Concen: 22.991 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.5 | 72.1 | 108.1 |
| 39 | 69.6 | 43.8 | 65.8# |

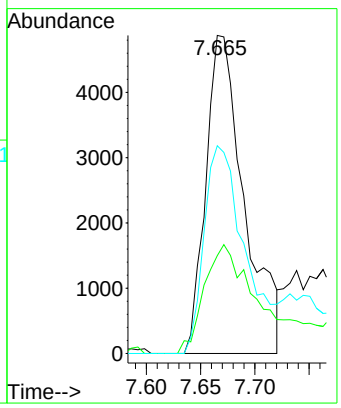





#49
1,4-Dioxane
Concen: 310.503 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 88 Resp: 12071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 52.5 | 17.4 | 26.0# |
| 58 | 69.7 | 41.0 | 61.6# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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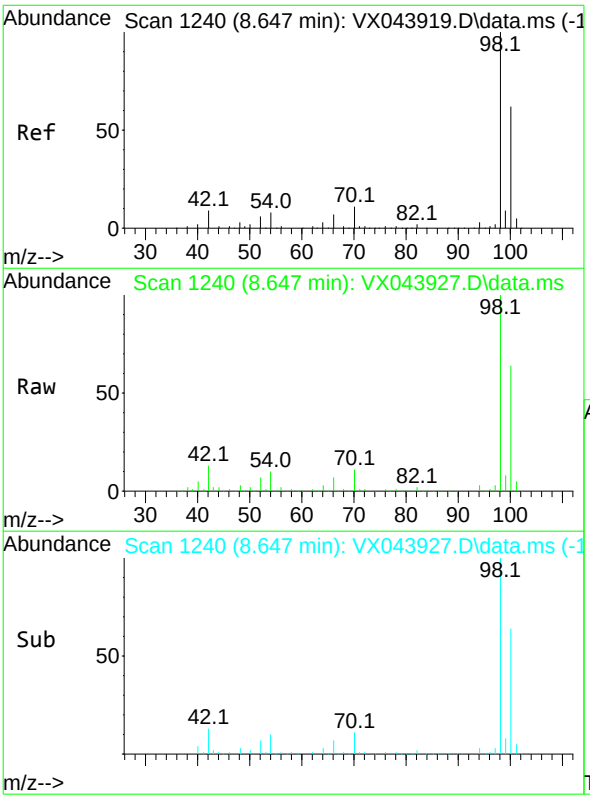
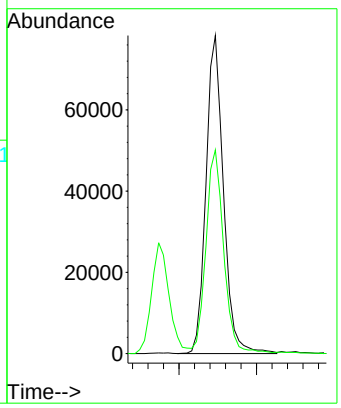
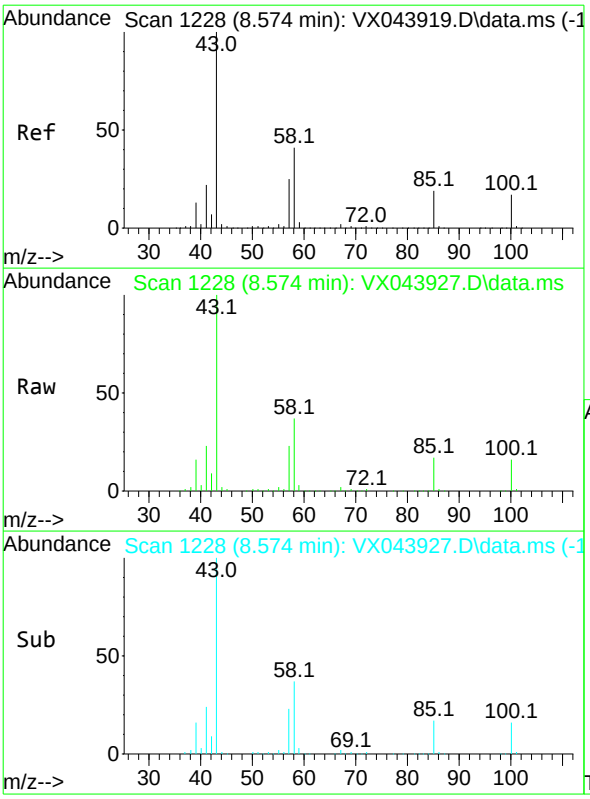



#50
Toluene-d8
Concen: 22.060 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 53.0 | 79.6 |

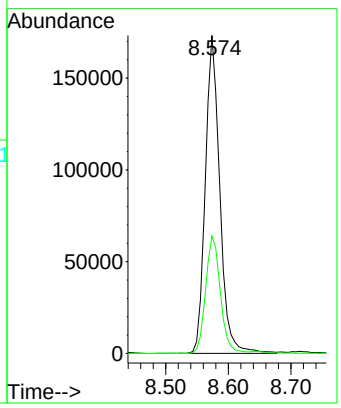





#51
4-Methyl-2-Pentanone
Concen: 121.285 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 278479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 32.4 | 48.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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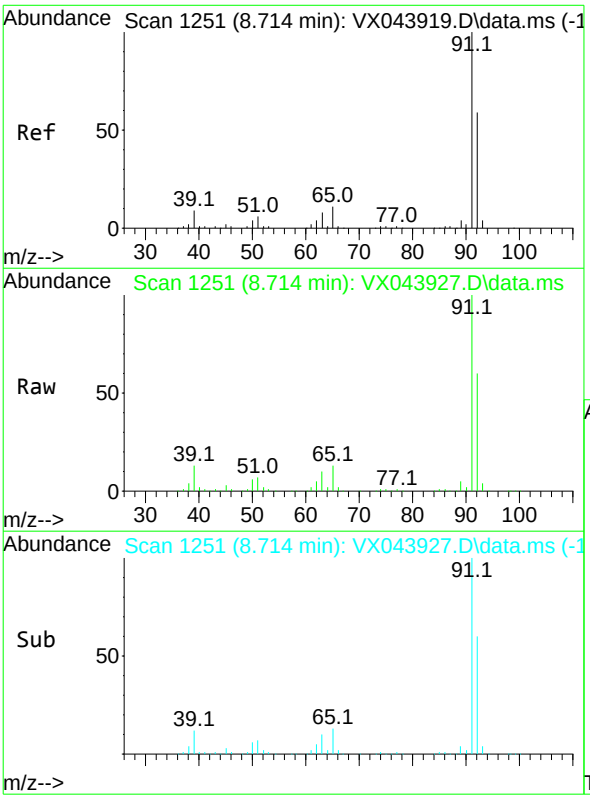
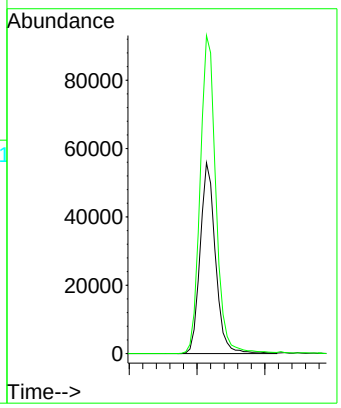
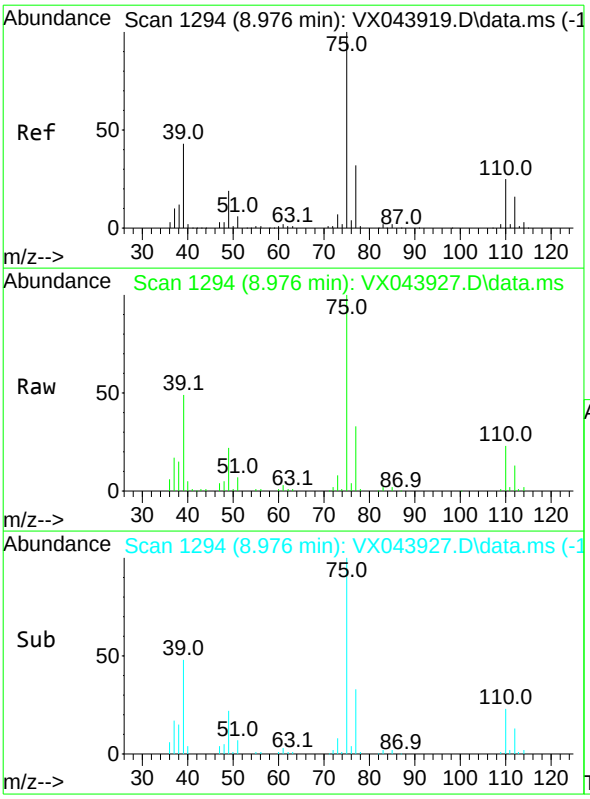



#52
Toluene
Concen: 23.277 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.0 | 136.2 | 204.4 |

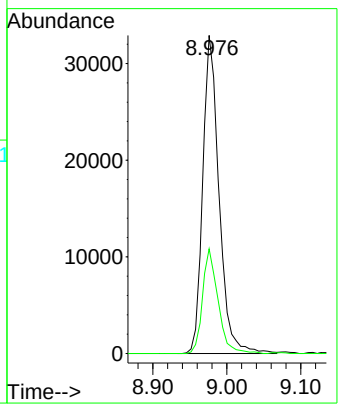





#53
t-1,3-Dichloropropene
Concen: 23.425 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 50294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.9 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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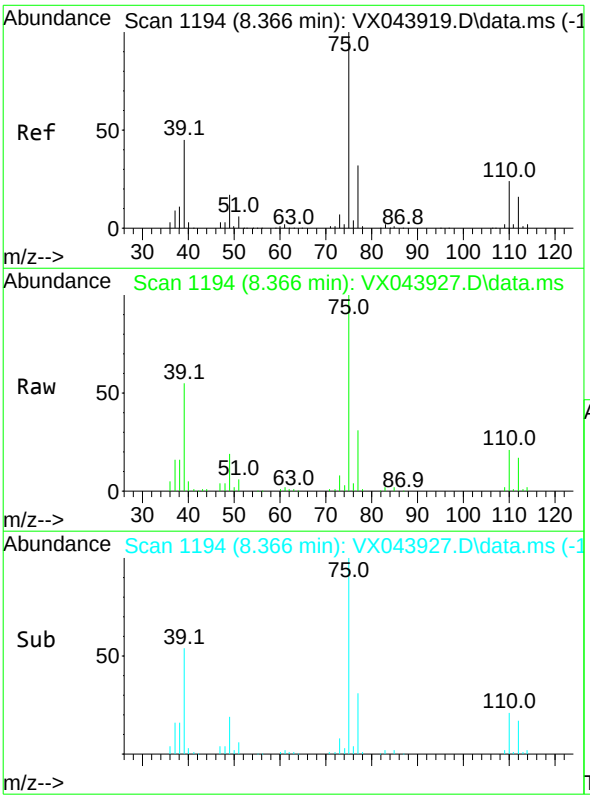
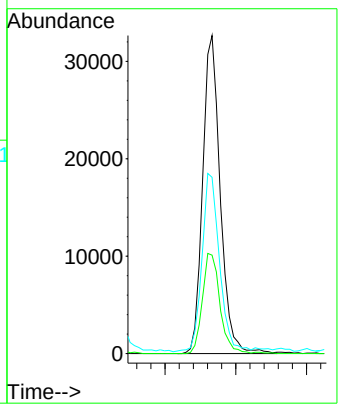
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

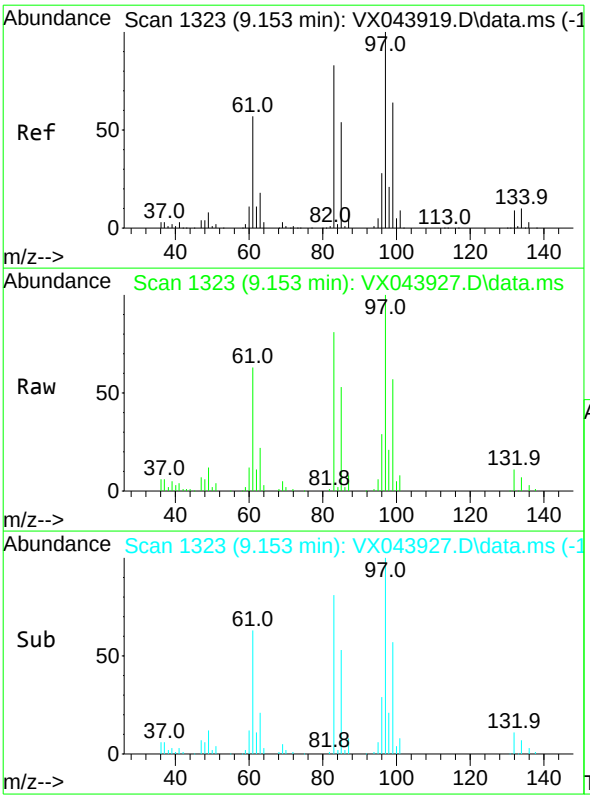



#54
cis-1,3-Dichloropropene
Concen: 23.184 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.4 | 38.2 |
| 39 | 54.6 | 36.1 | 54.1# |

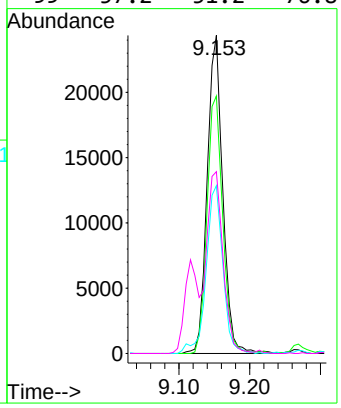





#55
1,1,2-Trichloroethane
Concen: 25.308 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 37148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.0 | 66.5 | 99.7 |
| 85 | 52.7 | 43.4 | 65.2 |
| 99 | 57.2 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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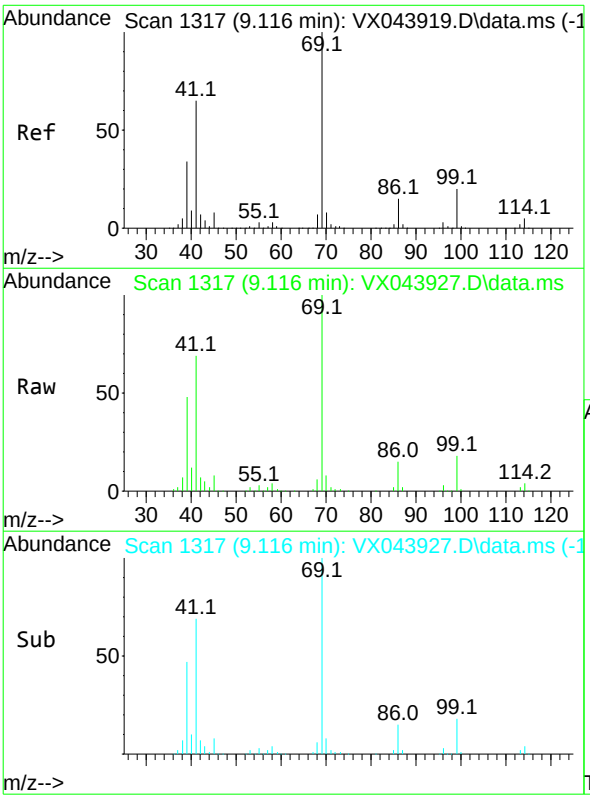
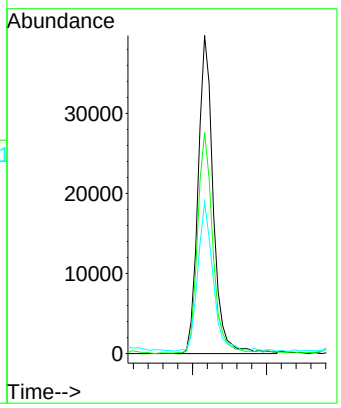
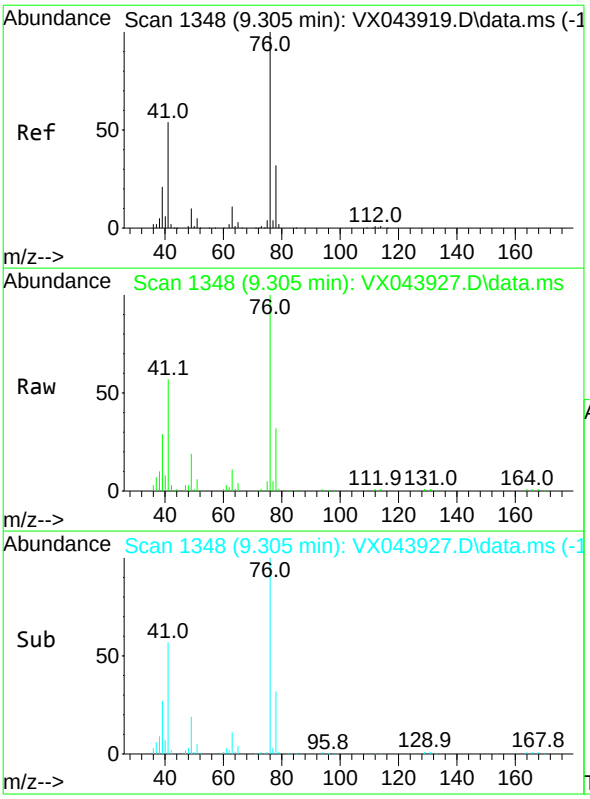



#56
Ethyl methacrylate
Concen: 24.347 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.0 | 51.7 | 77.5 |
| 39 | 46.7 | 26.8 | 40.2# |

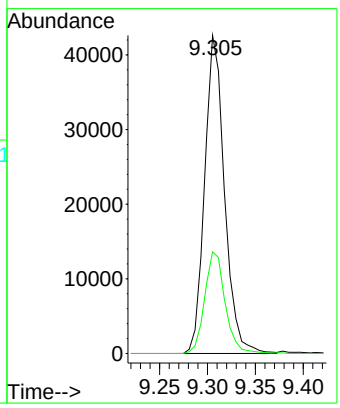





#57
1,3-Dichloropropane
Concen: 24.976 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 76 Resp: 61420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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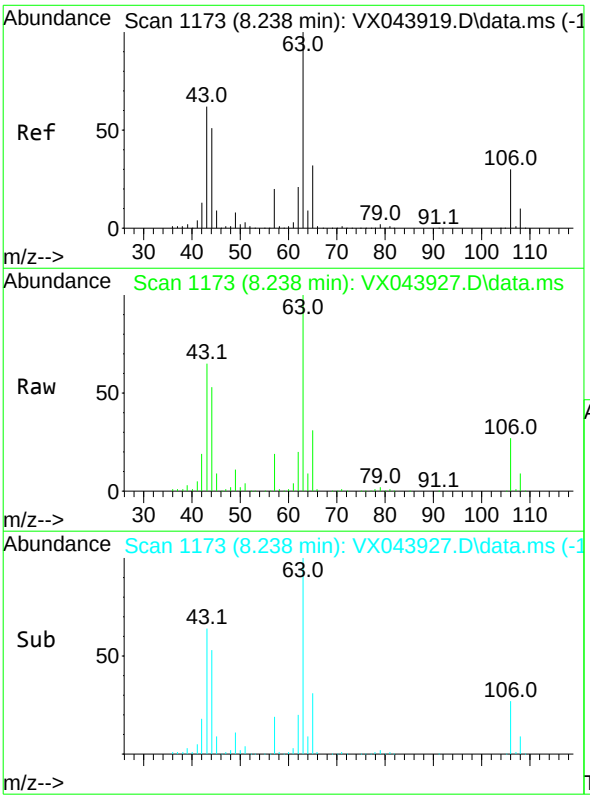
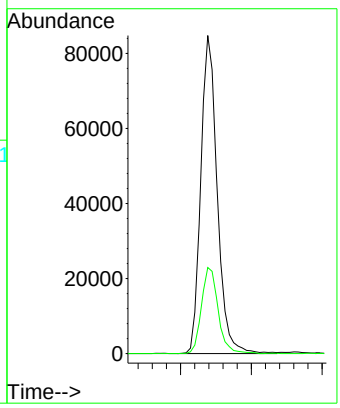
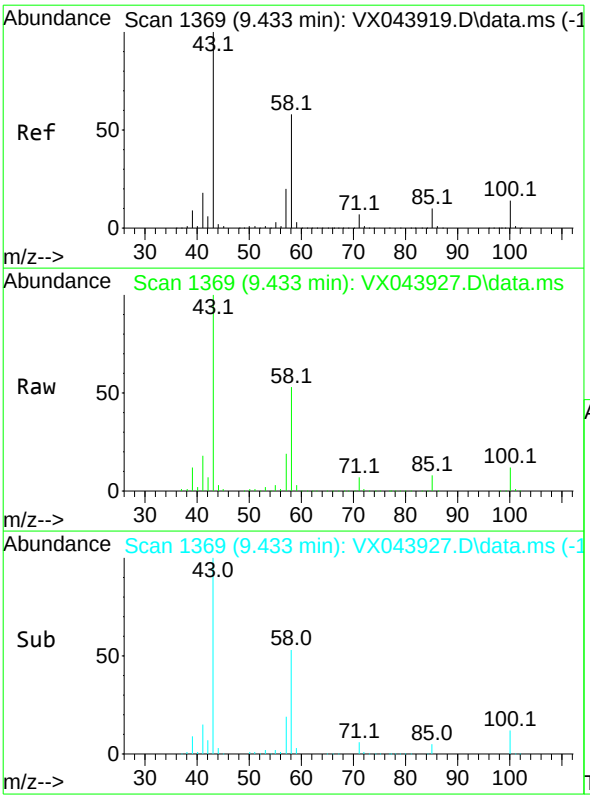



#58
2-Chloroethyl Vinyl ether
Concen: 112.277 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 23.8 | 35.6 |

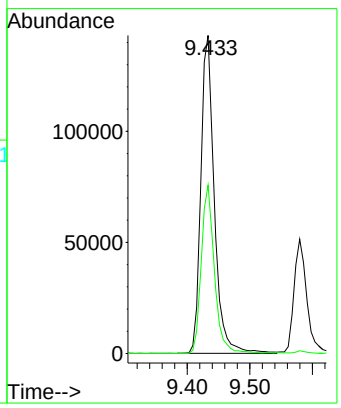





#59
2-Hexanone
Concen: 131.869 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.6 | 28.3 | 84.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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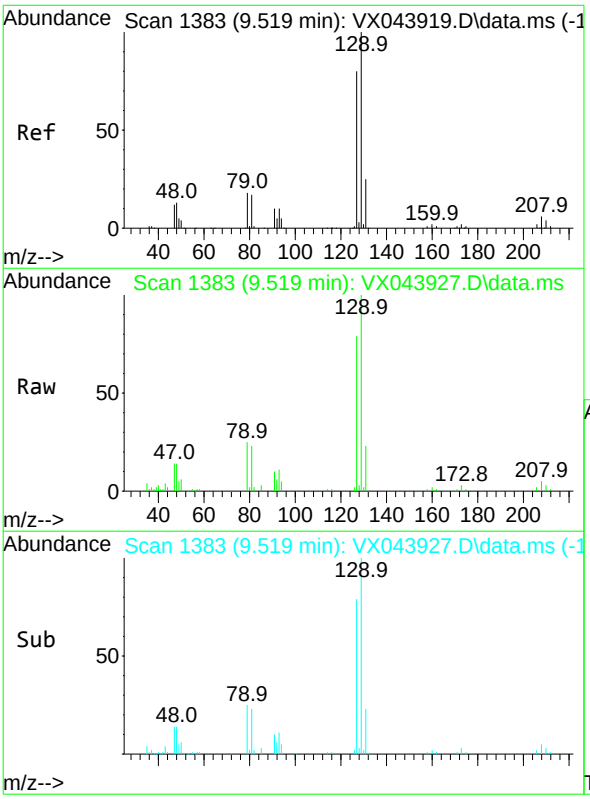
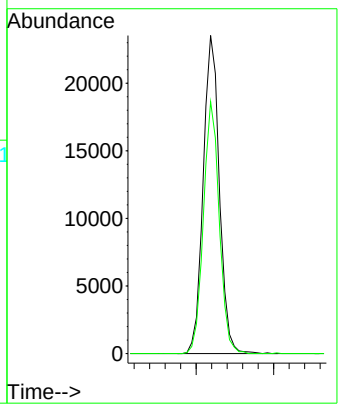
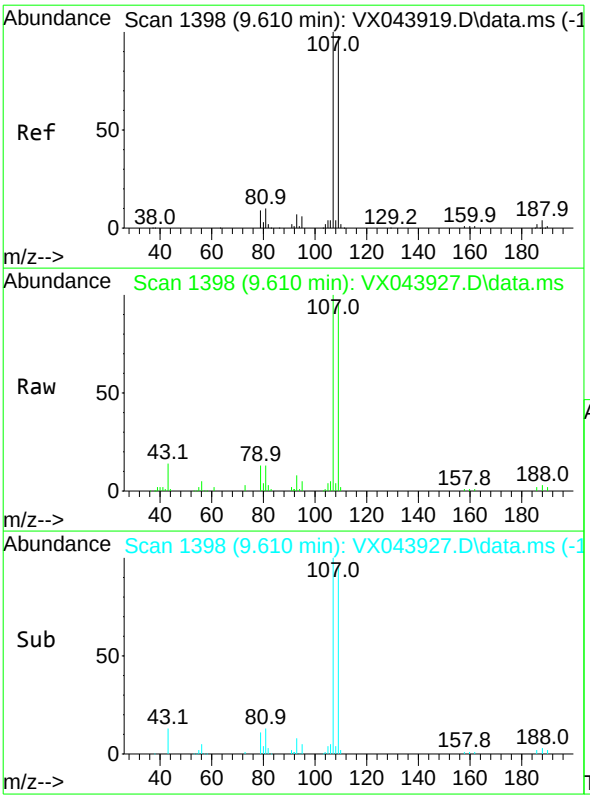



#60
Dibromochloromethane
Concen: 23.864 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.6 | 115.8 |

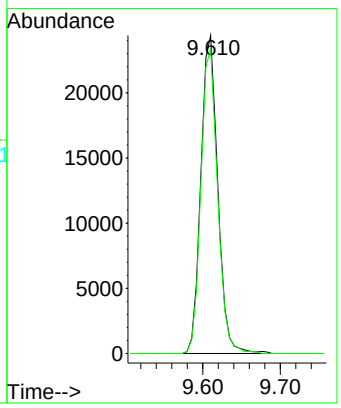





#61
1,2-Dibromoethane
Concen: 24.156 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:107 Resp: 36985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 76.2 | 114.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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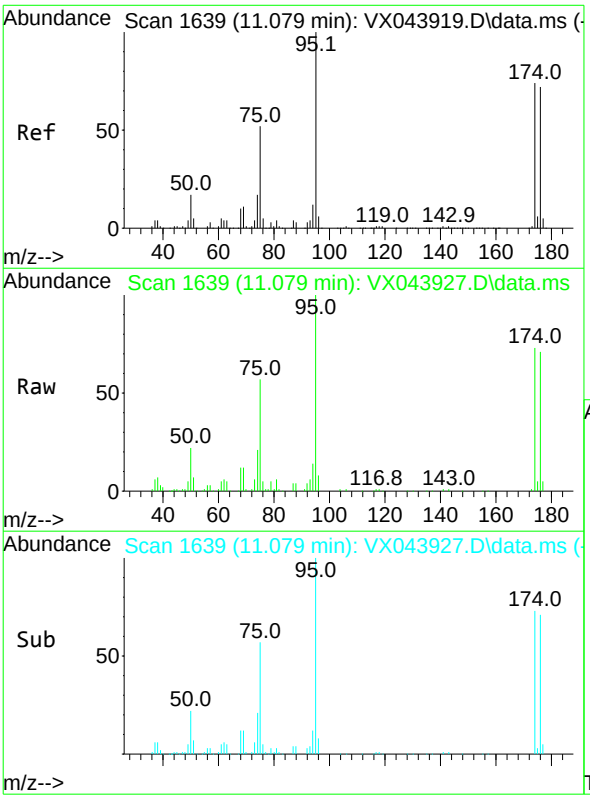
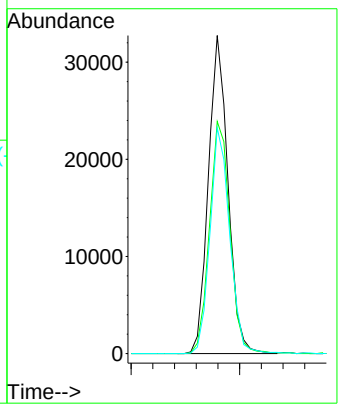
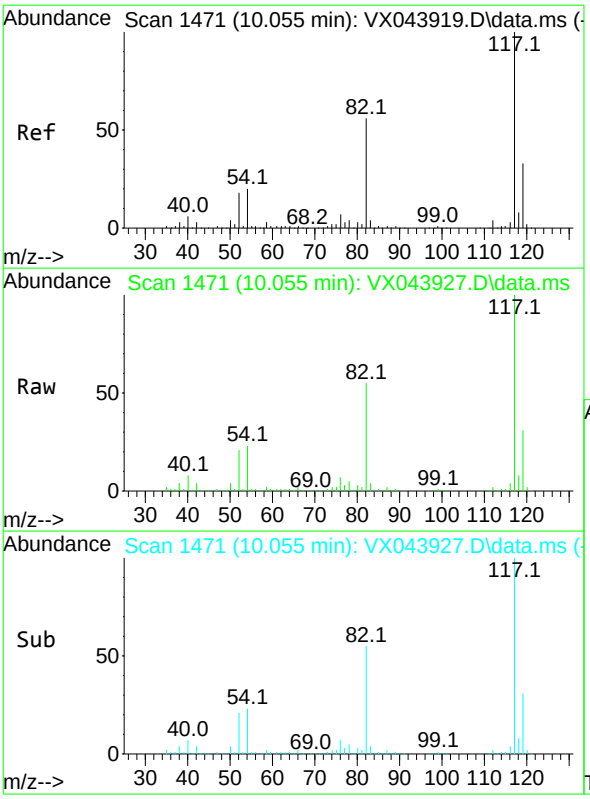



#62
4-Bromofluorobenzene
Concen: 22.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.2 | 0.0 | 152.2 |
| 176 | 71.1 | 0.0 | 145.8 |

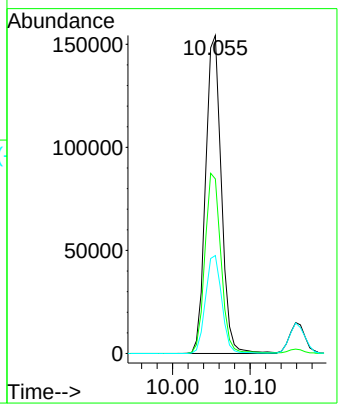





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 217871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 44.6 | 67.0 |
| 119 | 30.8 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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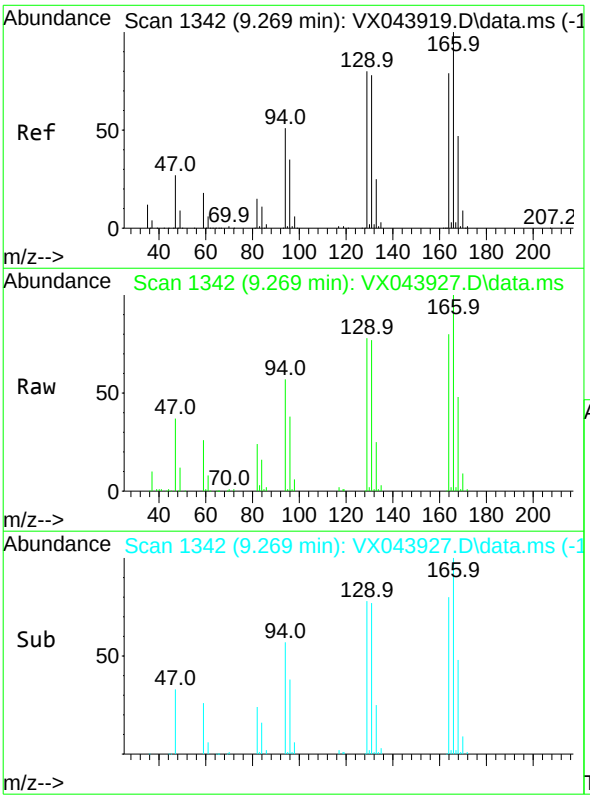
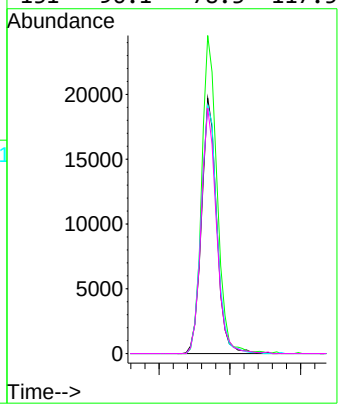
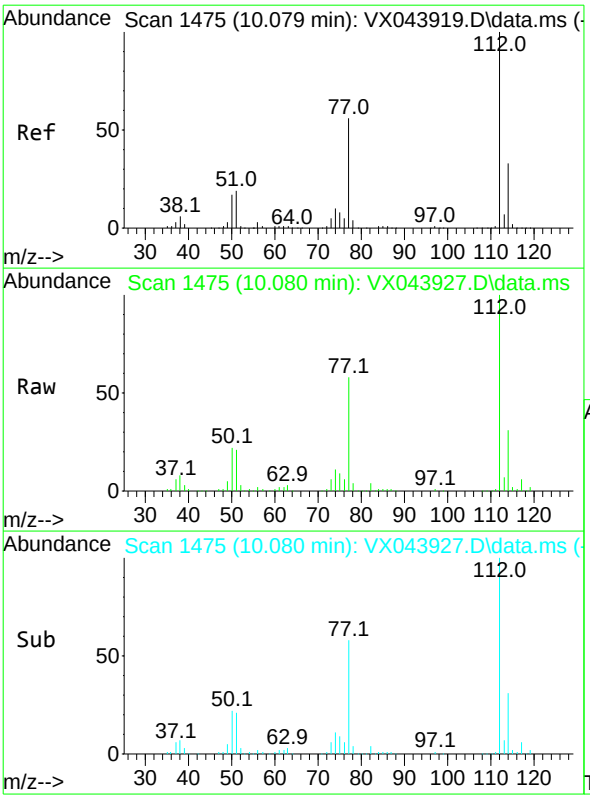



#64
Tetrachloroethene
Concen: 20.948 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.6 | 100.9 | 151.3 |
| 129 | 97.2 | 80.3 | 120.5 |
| 131 | 96.1 | 78.3 | 117.5 |

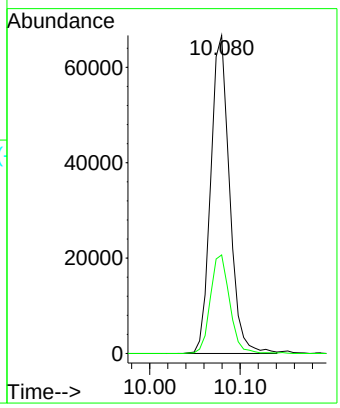





#65
Chlorobenzene
Concen: 21.197 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:112 Resp: 96469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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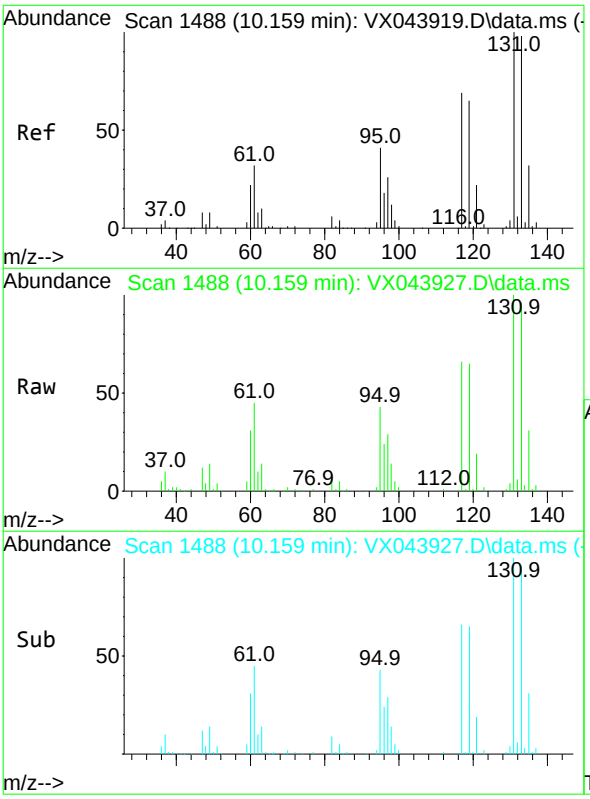
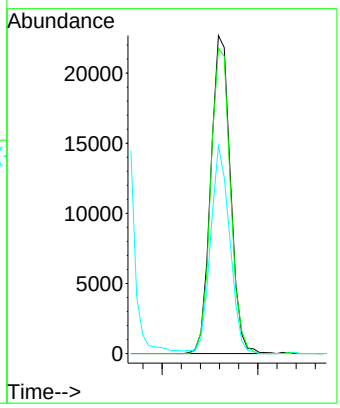
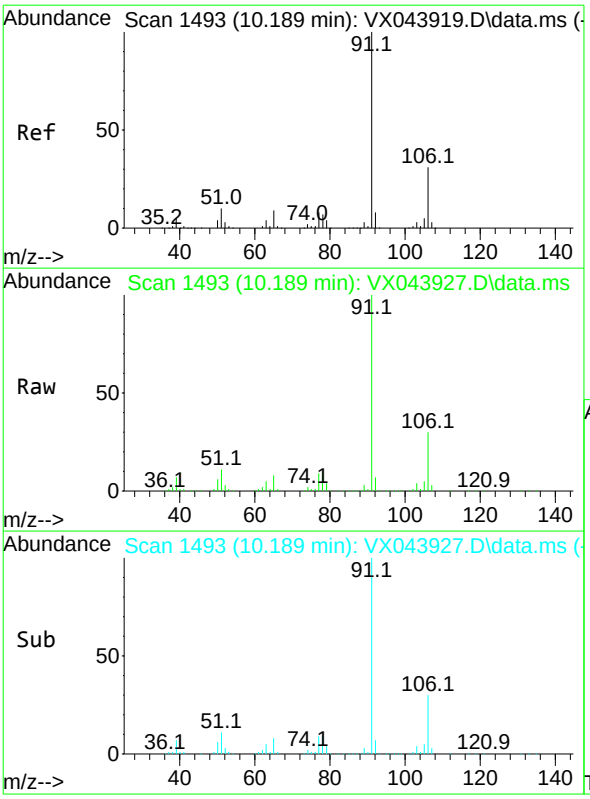



#66
1,1,1,2-Tetrachloroethane
Concen: 21.360 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.2 | 48.8 | 146.3 |
| 119 | 63.7 | 32.9 | 98.7 |

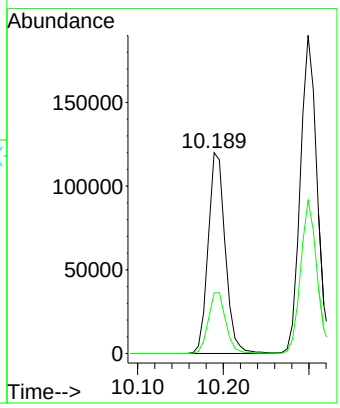





#67
Ethyl Benzene
Concen: 21.731 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 166435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 25.0 | 37.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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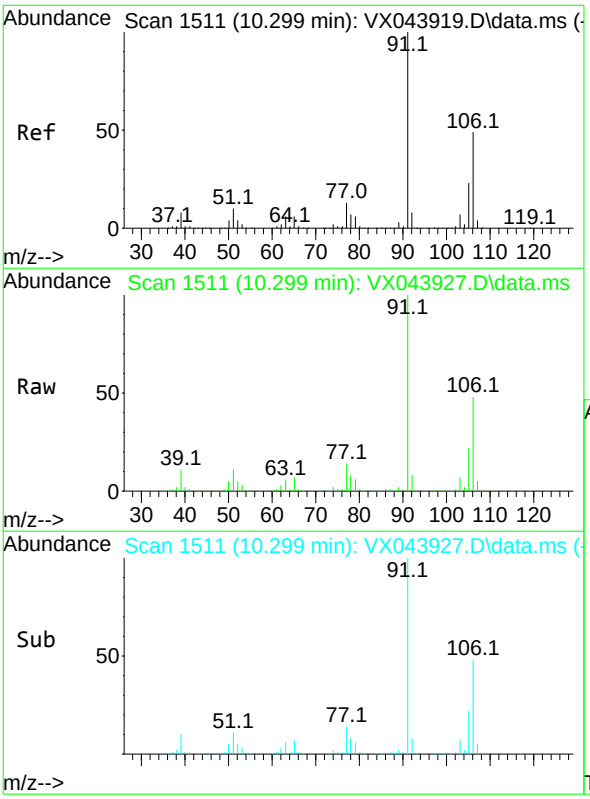
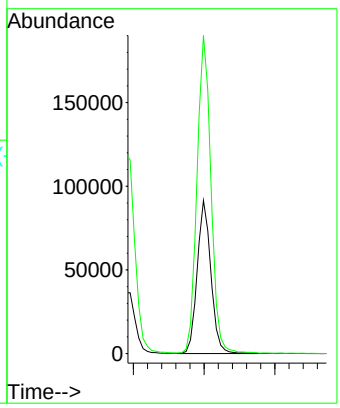
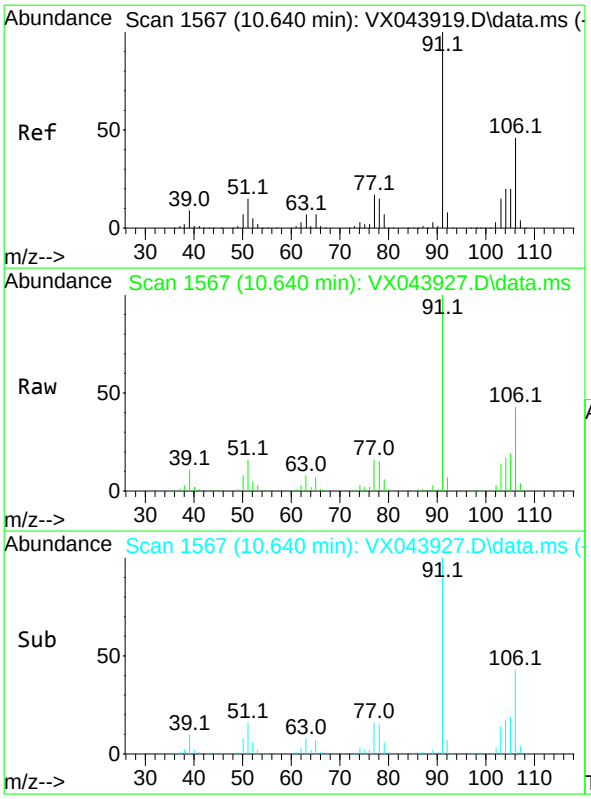



#68
m/p-Xylenes
Concen: 42.997 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.9 | 163.3 | 244.9 |

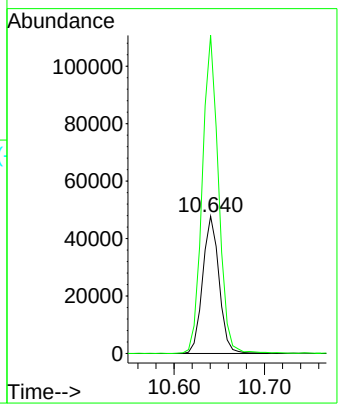





#69
o-Xylene
Concen: 21.648 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 60254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.5 | 109.6 | 328.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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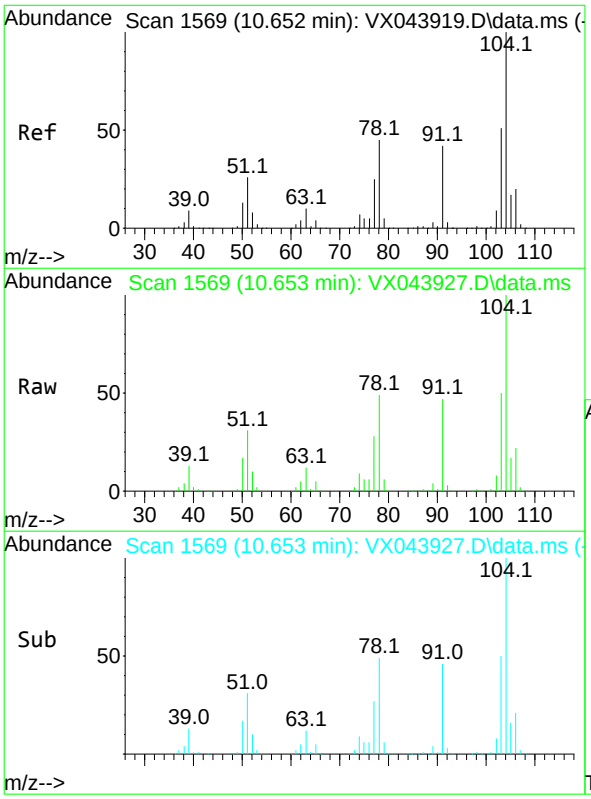
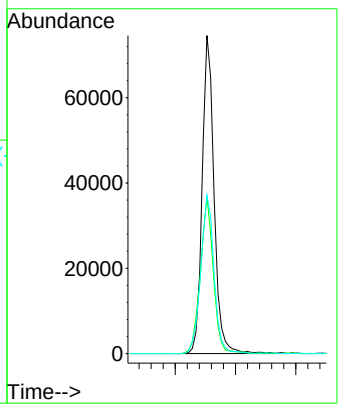
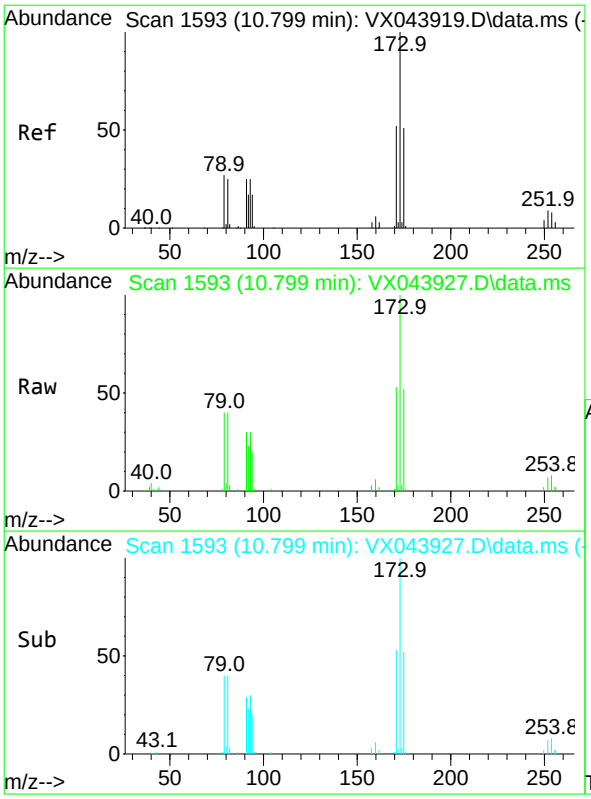



#70
Styrene
Concen: 22.308 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 40.3 | 60.5 |
| 103 | 55.5 | 43.9 | 65.9 |

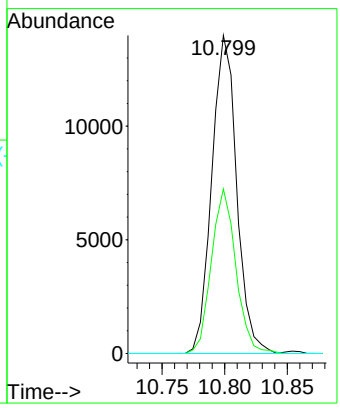





#71
Bromoform
Concen: 19.555 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:173 Resp: 19329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.0 | 24.6 | 73.8 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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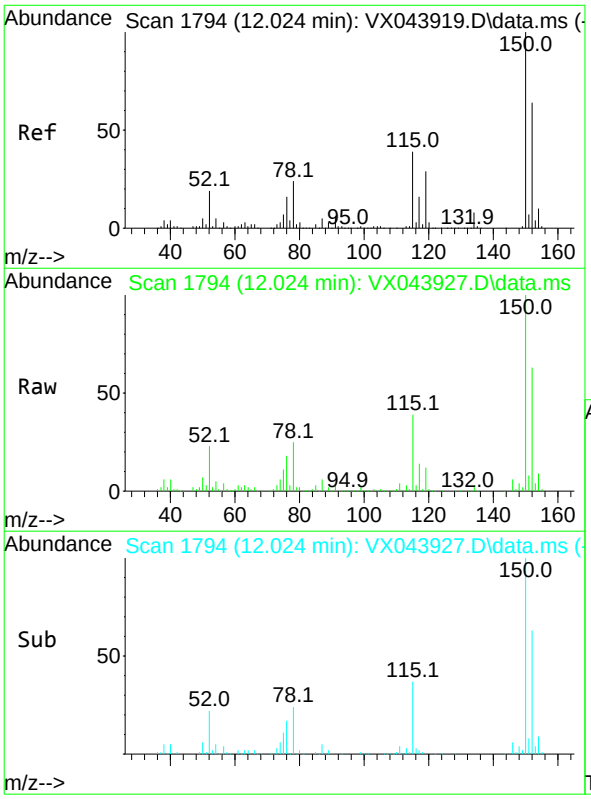
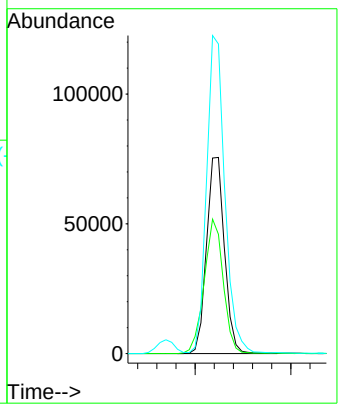
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

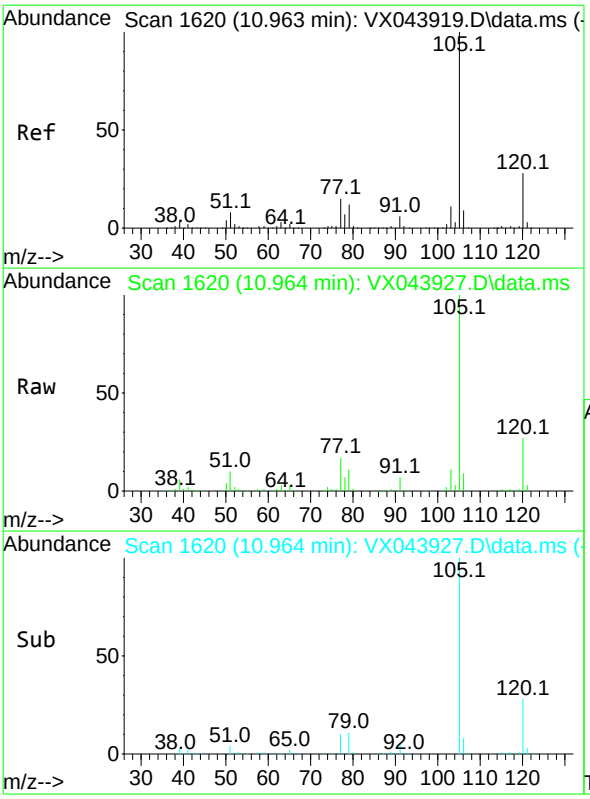



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.0 | 42.1 | 126.3 |
| 150 | 165.0 | 0.0 | 348.2 |

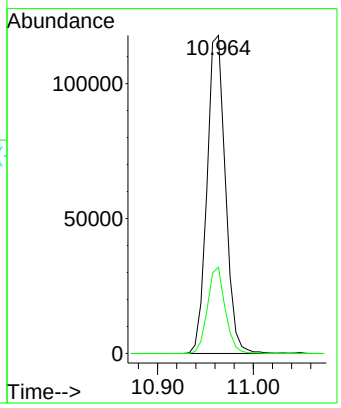





#73
Isopropylbenzene
Concen: 22.393 ug/l
RT: 10.964 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 157405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.3 | 39.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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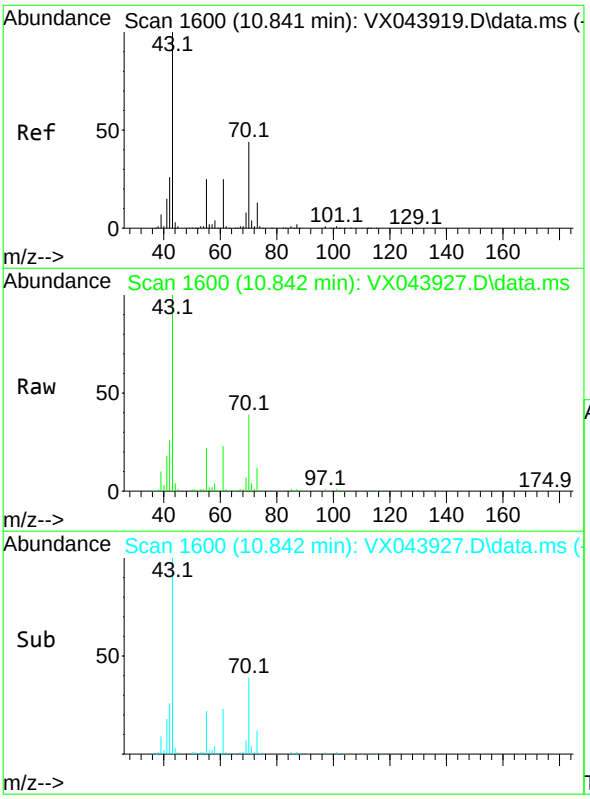
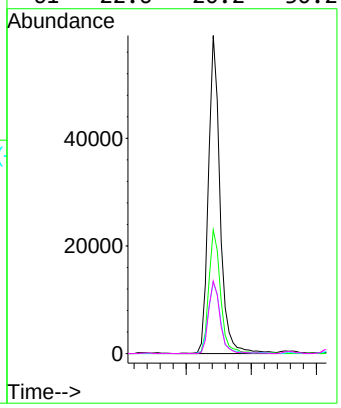
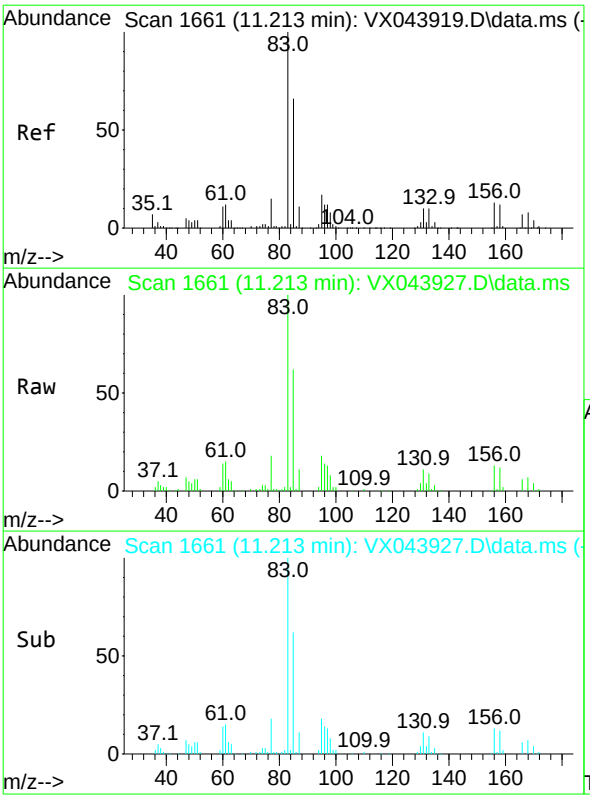



#74
N-amyl acetate
Concen: 23.459 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.1 | 36.5 | 54.7 |
| 55 | 23.3 | 19.6 | 29.4 |
| 61 | 22.6 | 20.2 | 30.2 |

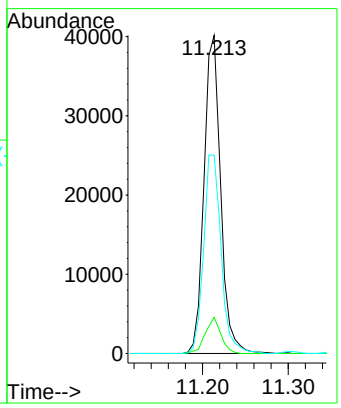





#75
1,1,2,2-Tetrachloroethane
Concen: 22.787 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 54158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 5.1 | 15.3 |
| 85 | 65.7 | 32.3 | 96.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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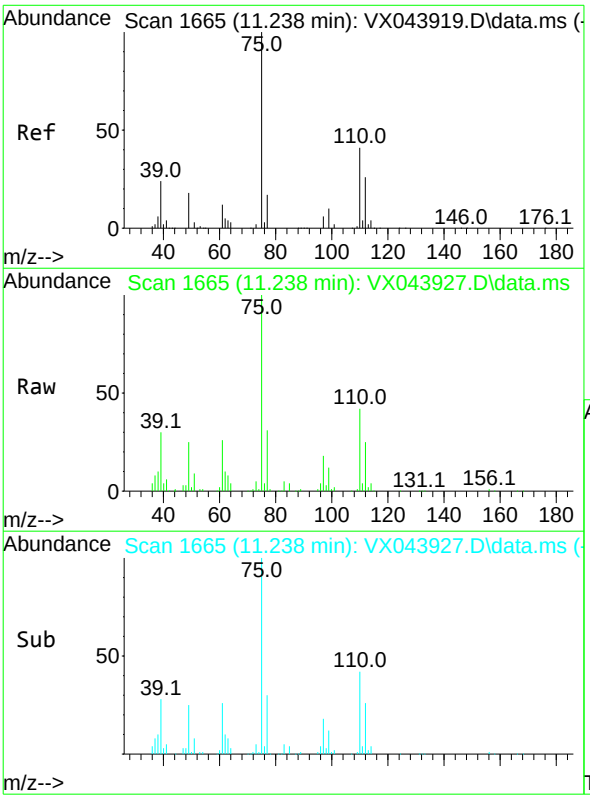
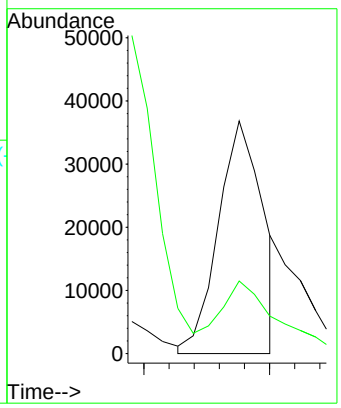
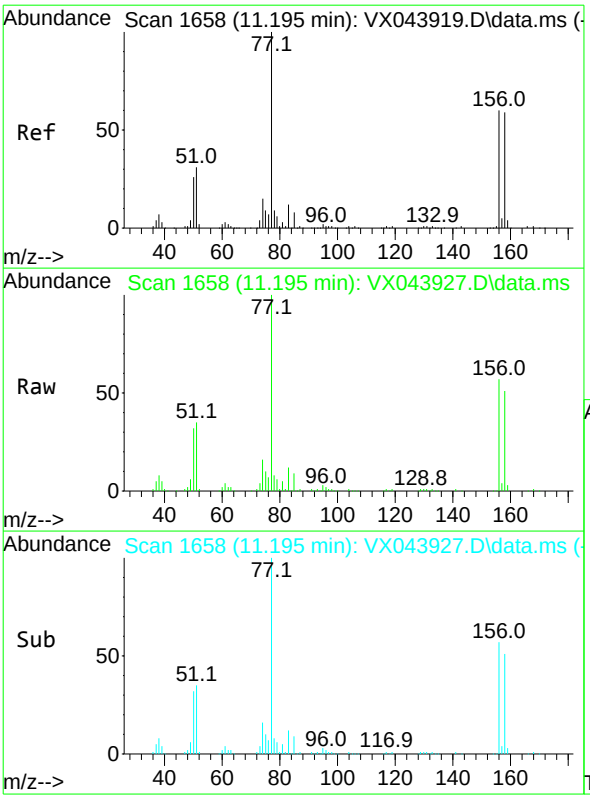



#76
1,2,3-Trichloropropane
Concen: 22.601 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 45423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.9 | 22.4 | 67.0 |

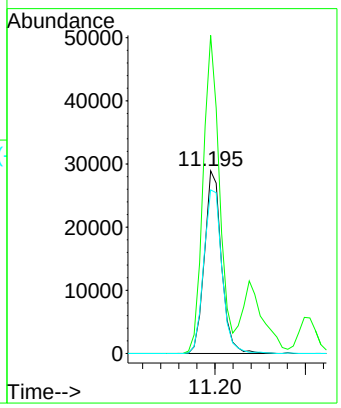





#77
Bromobenzene
Concen: 21.843 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:156 Resp: 37631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.6 | 81.2 | 243.6 |
| 158 | 96.0 | 48.6 | 145.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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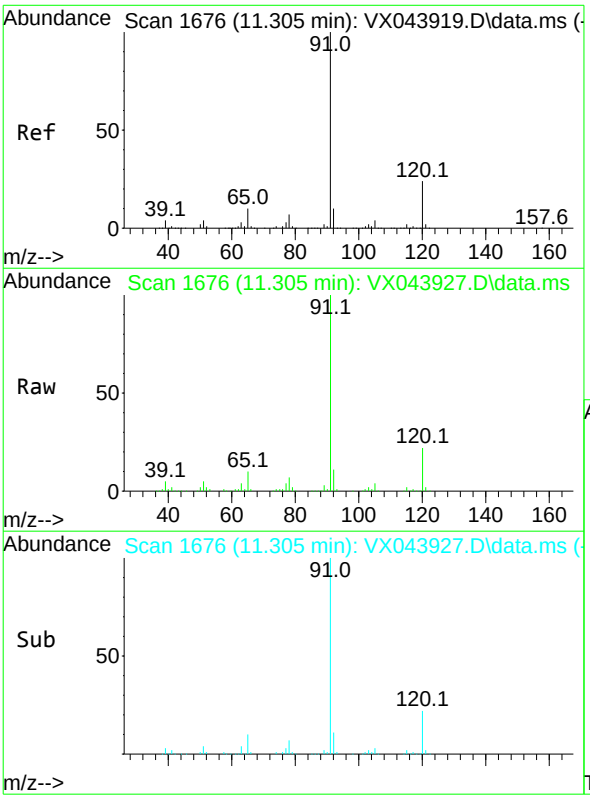
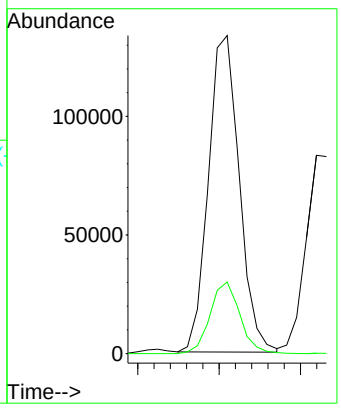
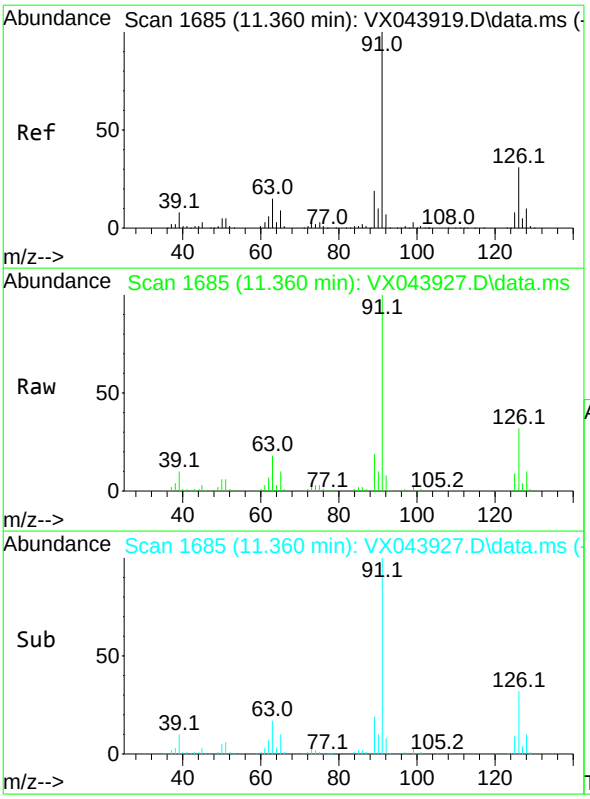



#78
n-propylbenzene
Concen: 22.696 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 11.5 | 34.5 |

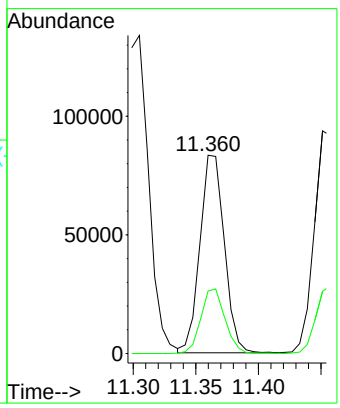





#79
2-Chlorotoluene
Concen: 22.894 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 112986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.4 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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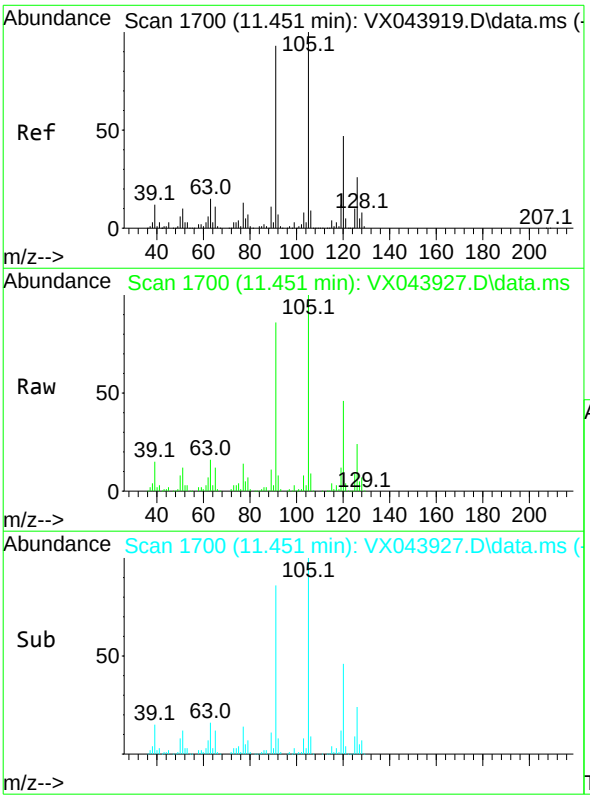
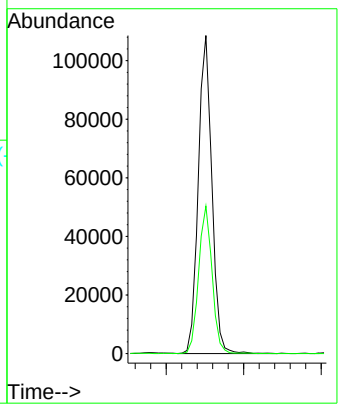
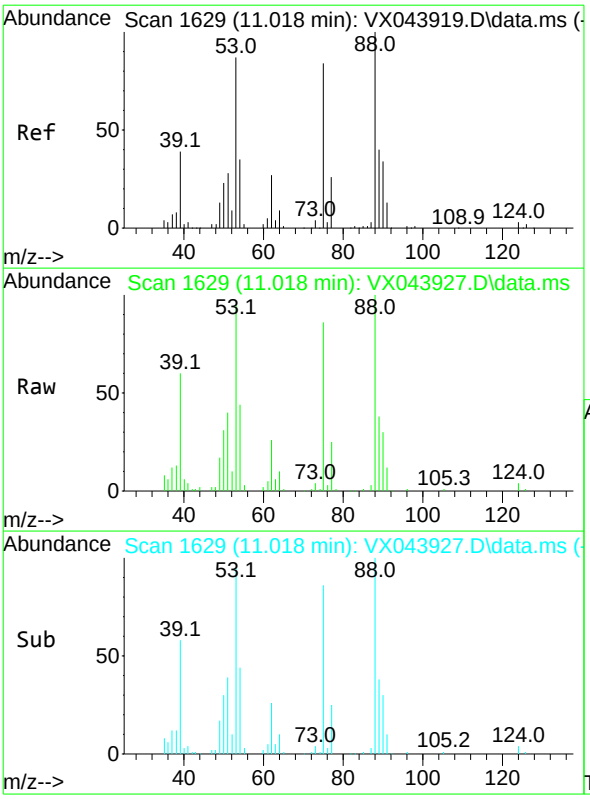



#80
1,3,5-Trimethylbenzene
Concen: 22.662 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.0 | 23.8 | 71.5 |






#81
trans-1,4-Dichloro-2-butene
Concen: 20.654 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 14743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.9 | 81.7 | 122.5 |
| 89 | 44.8 | 38.6 | 57.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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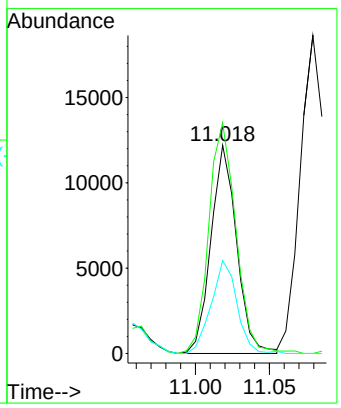
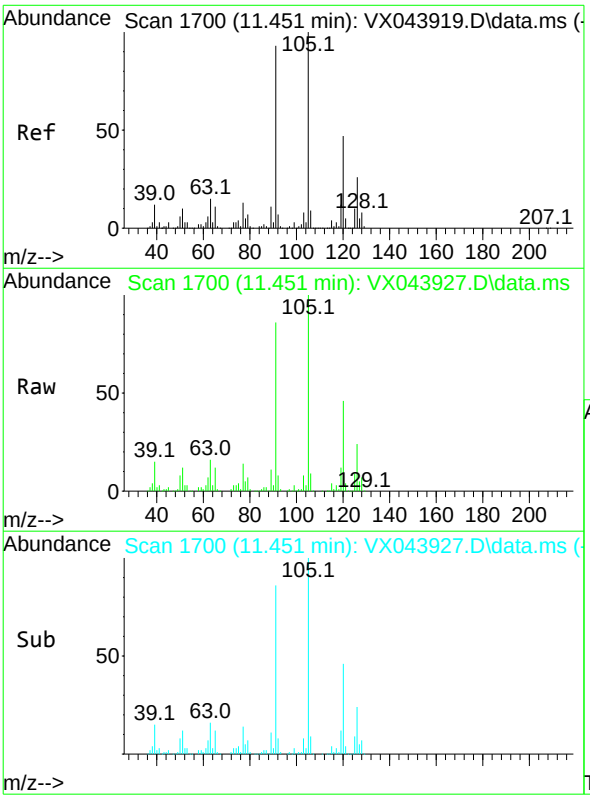
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

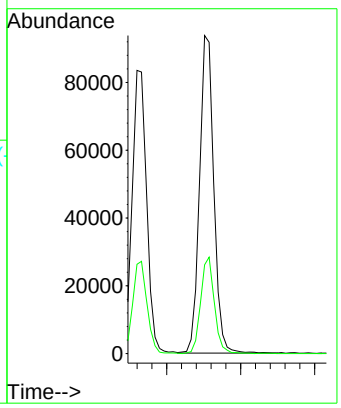


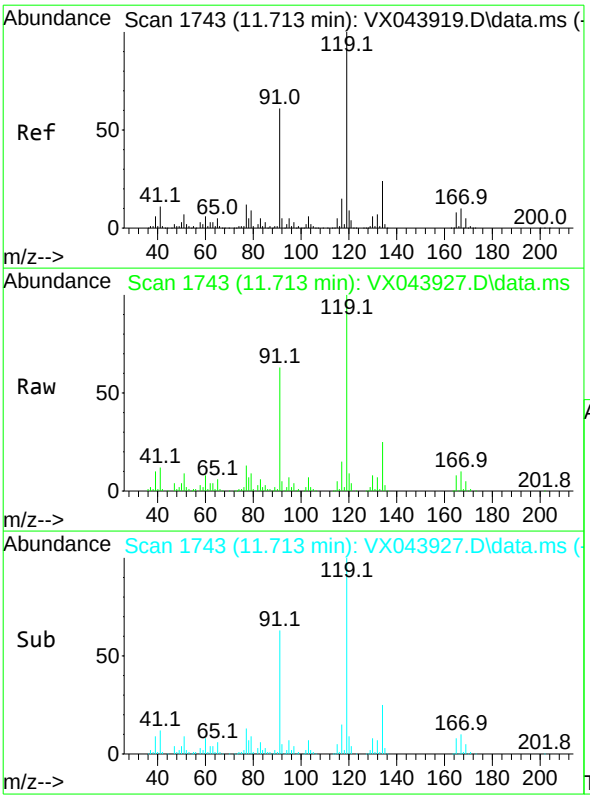




#82
4-Chlorotoluene
Concen: 22.085 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.4 | 43.2 |

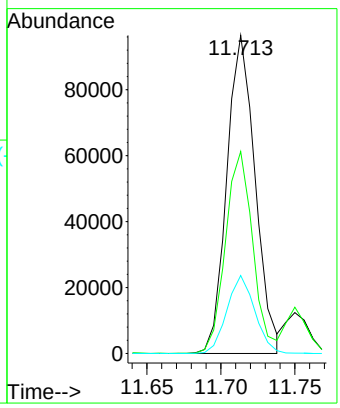





#83
tert-Butylbenzene
Concen: 21.582 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 128636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.4 | 29.5 | 88.6 |
| 134 | 24.2 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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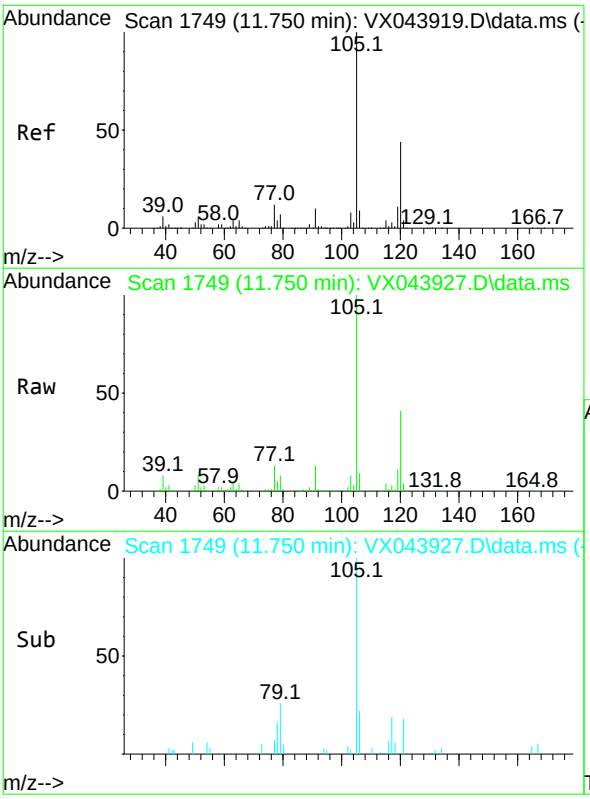
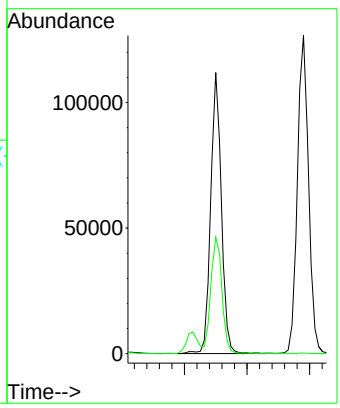
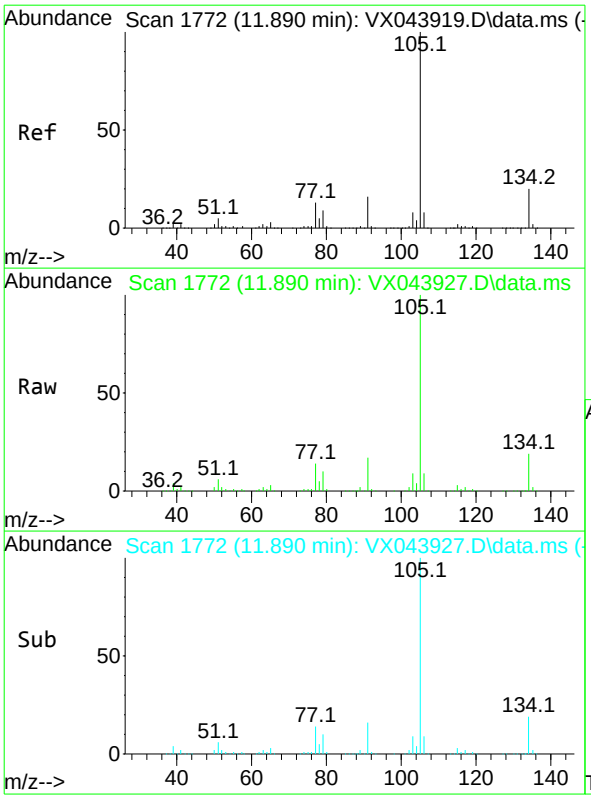



#84
1,2,4-Trimethylbenzene
Concen: 22.408 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 21.7 | 65.1 |

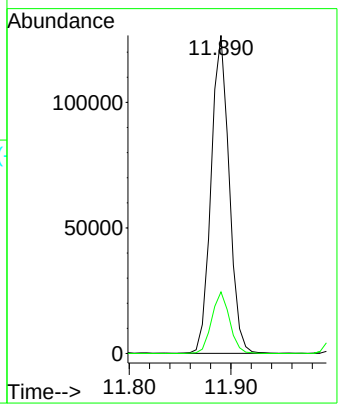





#85
sec-Butylbenzene
Concen: 21.962 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 156312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 10.0 | 29.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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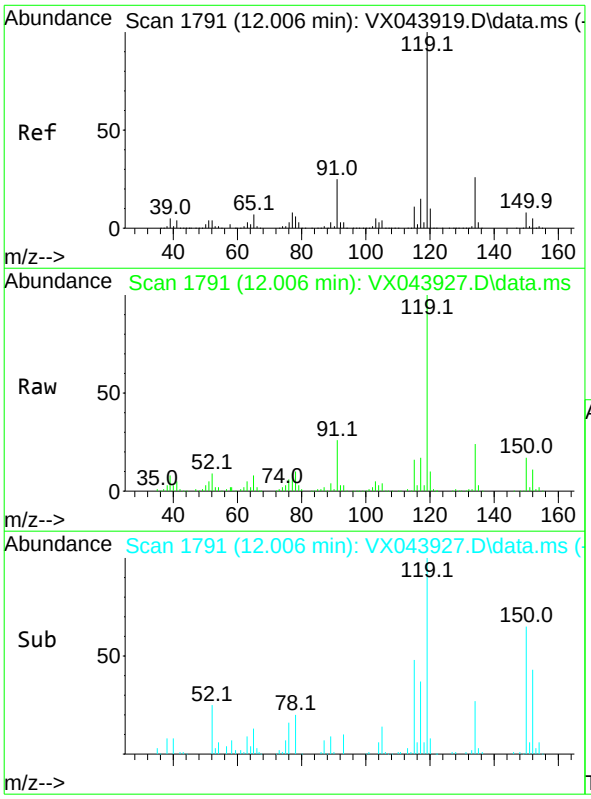
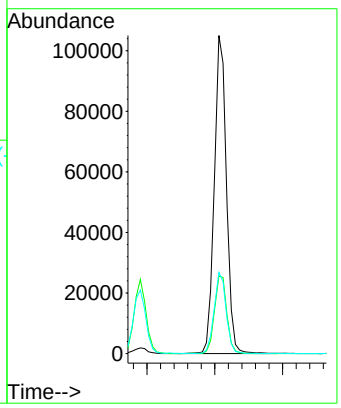
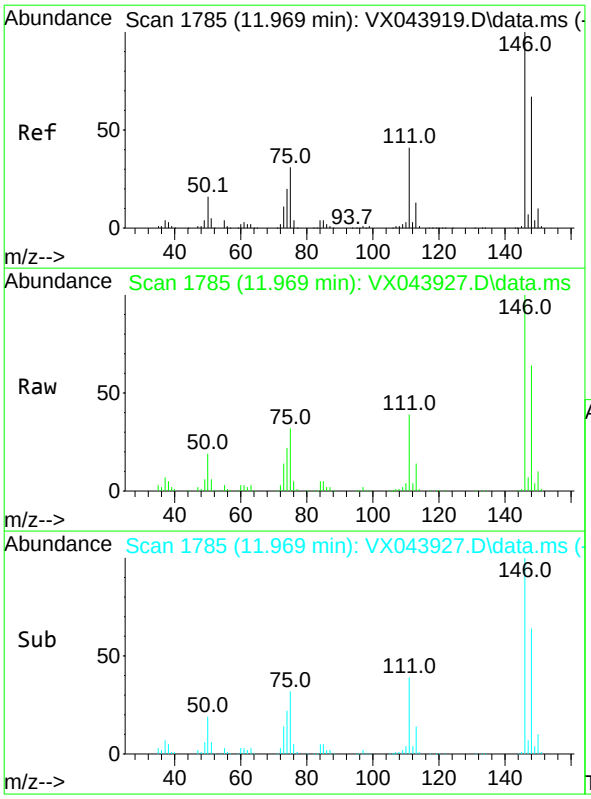



#86
p-Isopropyltoluene
Concen: 21.854 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.8 | 13.0 | 38.9 |
| 91 | 25.2 | 12.3 | 36.8 |

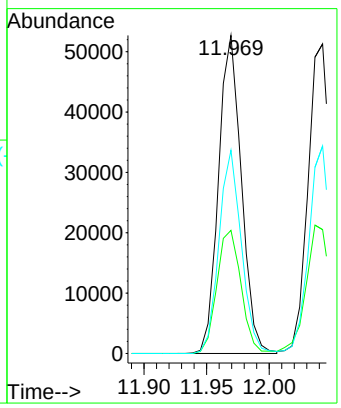





#87
1,3-Dichlorobenzene
Concen: 20.986 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.8 | 62.2 |
| 148 | 62.8 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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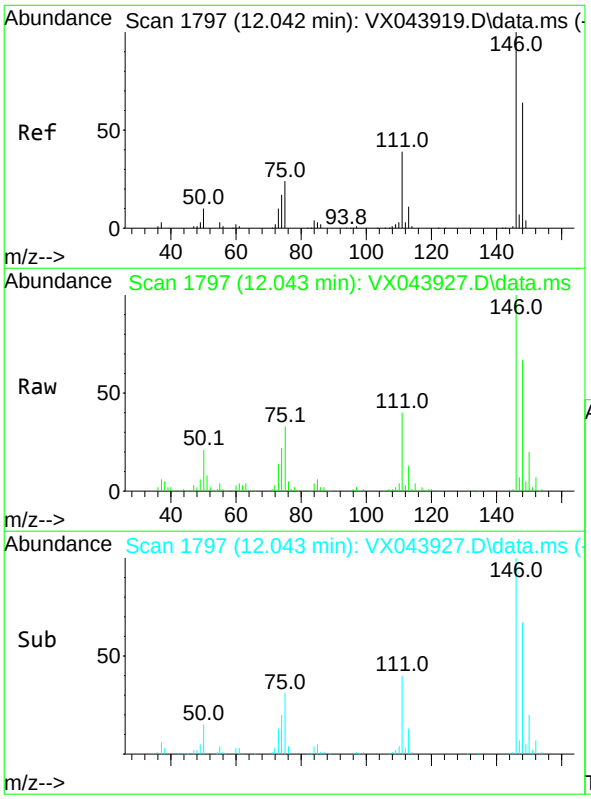
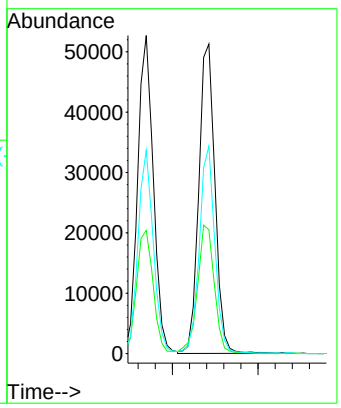
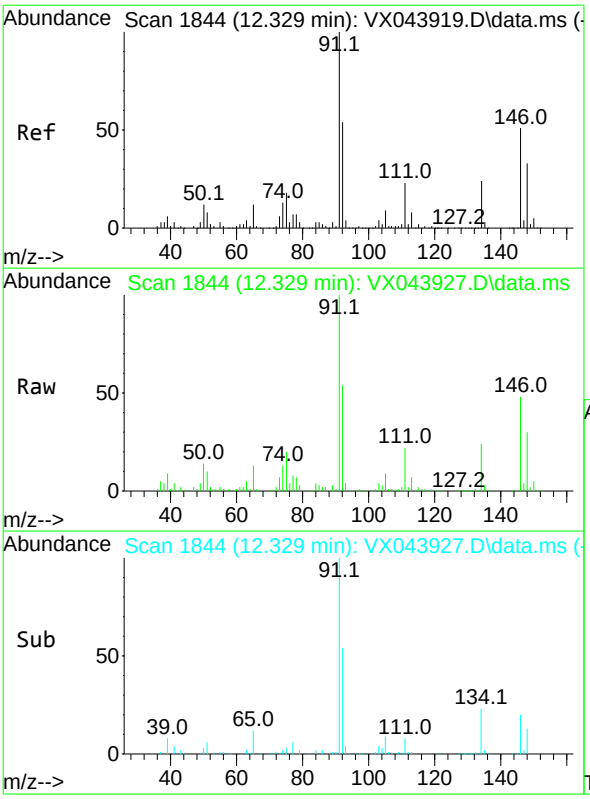



#88
1,4-Dichlorobenzene
Concen: 20.527 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 20.1 | 60.2 |
| 148 | 64.1 | 32.2 | 96.6 |






#89
n-Butylbenzene
Concen: 21.698 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

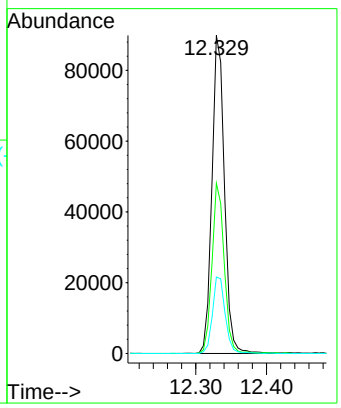
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

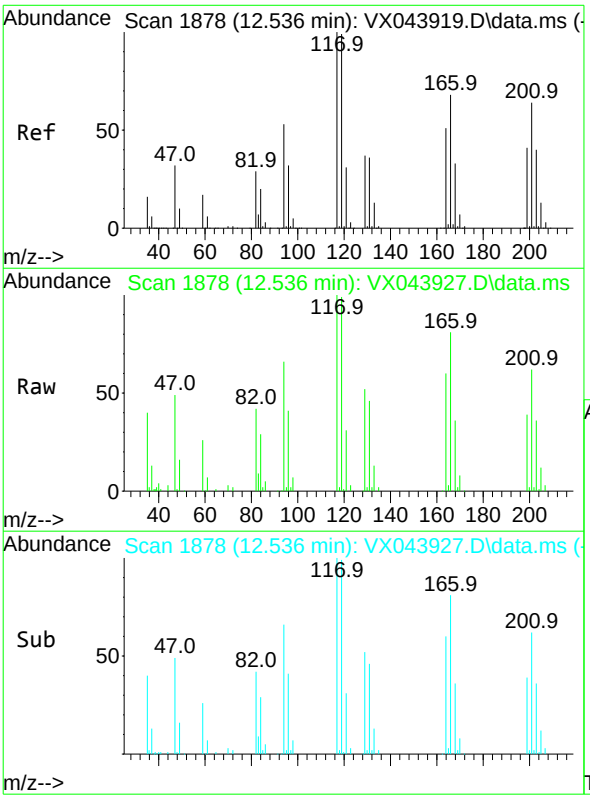
Tgt Ion: 91 Resp: 110491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.9 | 80.6 |
| 134 | 24.4 | 12.9 | 38.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

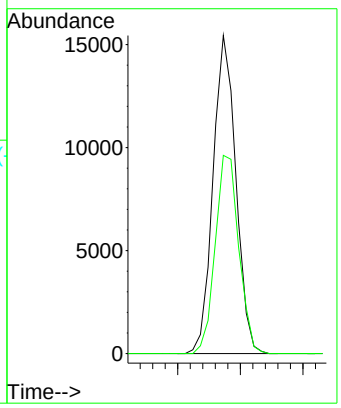


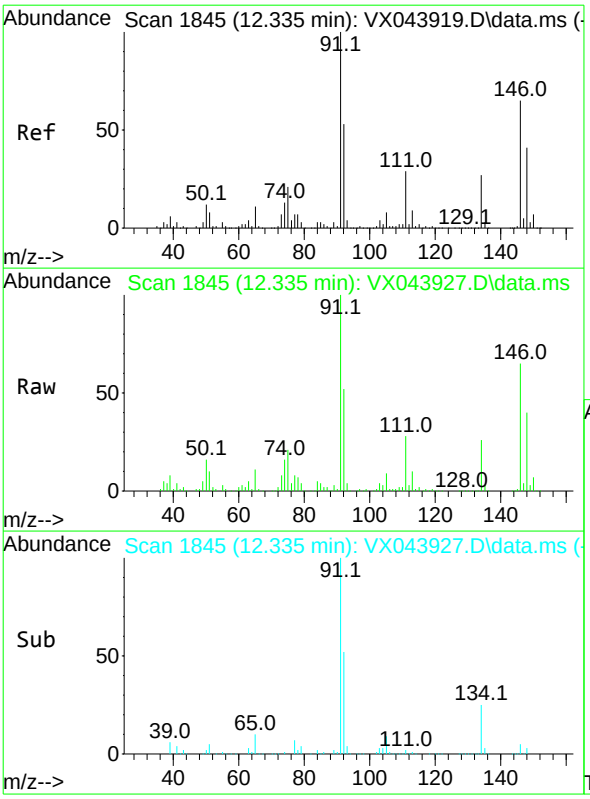




#90
Hexachloroethane
Concen: 19.432 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.5 | 34.1 | 102.3 |






#91
1,2-Dichlorobenzene
Concen: 20.298 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

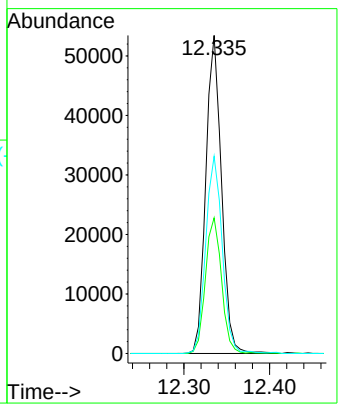
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

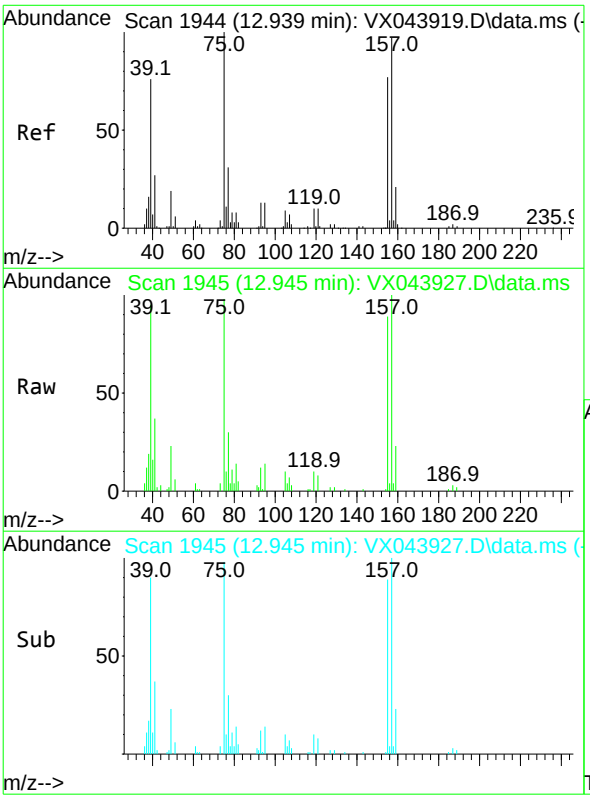
Tgt Ion:146 Resp: 67852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.7 | 65.1 |
| 148 | 65.4 | 31.6 | 94.7 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

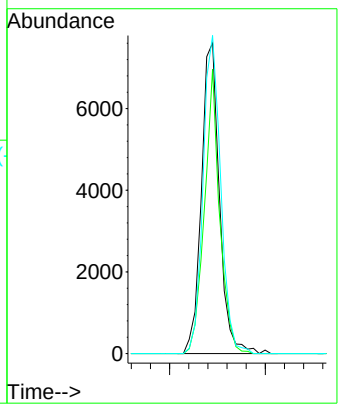


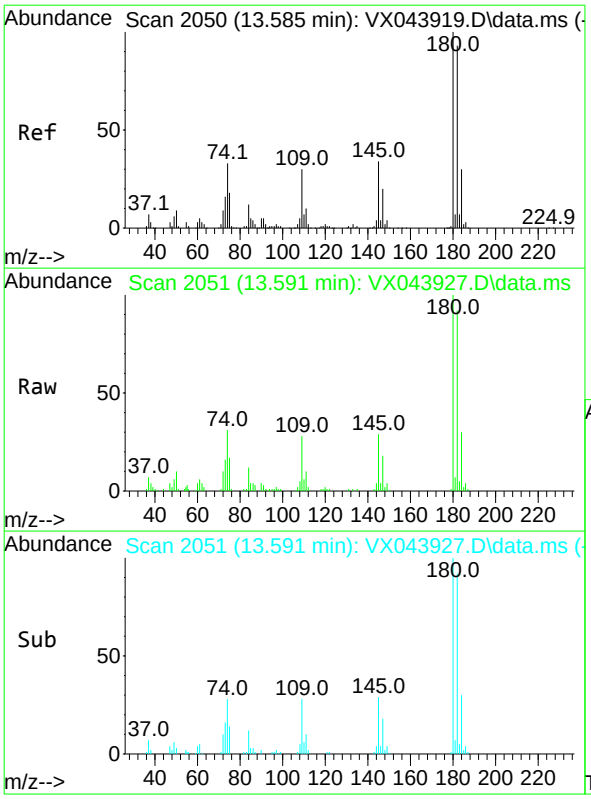




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.259 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.7 | 40.8 | 122.5 |
| 157 | 100.2 | 54.3 | 162.9 |

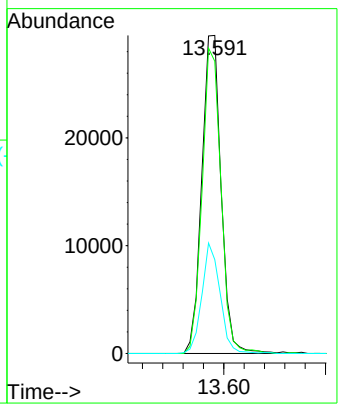





#93
1,2,4-Trichlorobenzene
Concen: 19.894 ug/l
RT: 13.591 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 38866

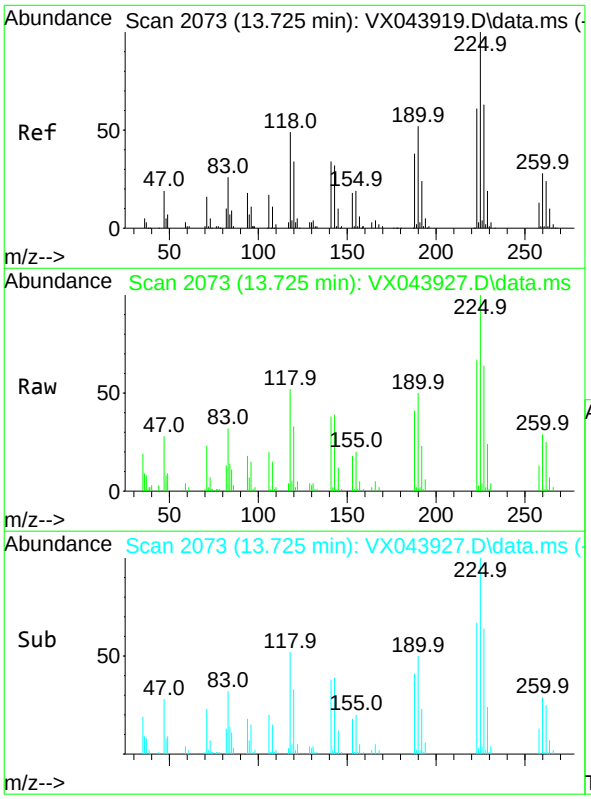
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 46.8 | 140.4 |
| 145 | 32.7 | 16.4 | 49.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

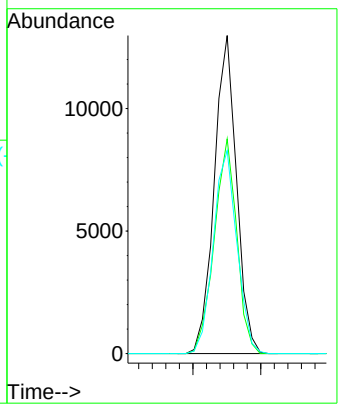
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

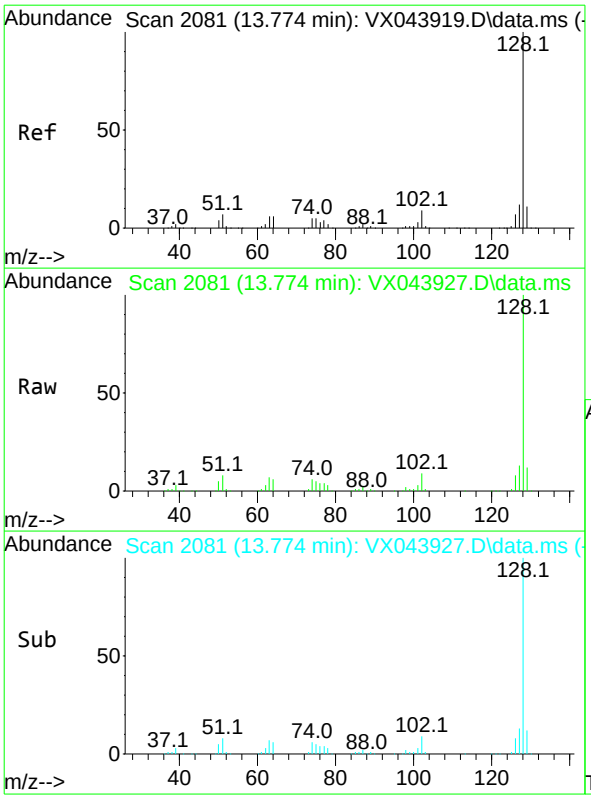



#94
Hexachlorobutadiene
Concen: 18.508 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 67.9 | 31.1 | 93.3 |
| 227 | 67.6 | 29.8 | 89.5 |






#95
Naphthalene
Concen: 19.999 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

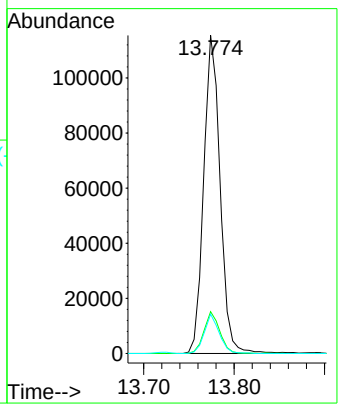
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

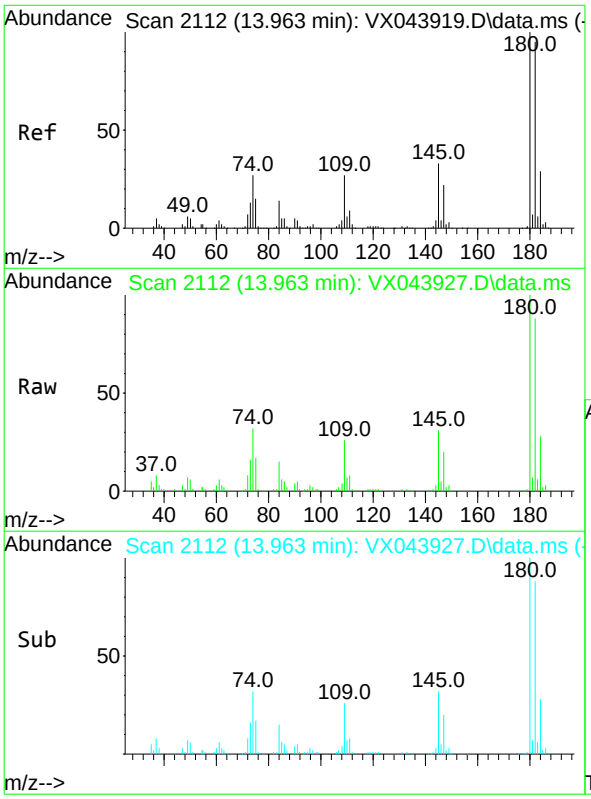
Tgt Ion:128 Resp: 145678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.1 | 15.1 |
| 129 | 11.3 | 8.6 | 13.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

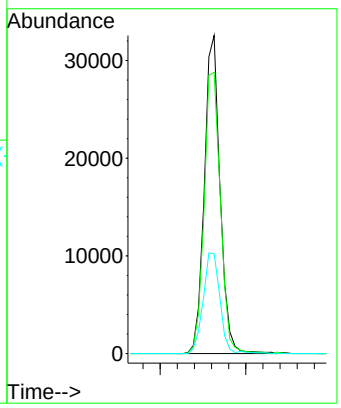



#96
1,2,3-Trichlorobenzene
Concen: 20.415 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 47.6 | 142.8 |
| 145 | 33.9 | 17.4 | 52.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 138578 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 241629 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212243 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 100316 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 104086 | 48.899 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.800% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78954 | 48.663 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.320% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 266650 | 49.194 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.380% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93510 | 52.209 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 104.420% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 94790 | 67.600 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 96646 | 55.148 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 105586 | 59.966 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 61728 | 77.177 | ug/l | 97 |
| 6) Chloroethane | 1.660 | 64 | 63580 | 75.594 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 188045 | 74.909 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 65665 | 69.383 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 91167 | 61.367 | ug/l | 97 |
| 10) Methyl Iodide | 2.441 | 142 | 112083 | 53.608 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.995 | 59 | 100130 | 295.821 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 83087 | 57.625 | ug/l | 92 |
| 13) Acrolein | 2.233 | 56 | 100647 | 265.136 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 144663 | 61.883 | ug/l | 91 |
| 15) Acrylonitrile | 3.063 | 53 | 256493 | 294.373 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 294611 | 344.605 | ug/l | 93 |
| 17) Carbon Disulfide | 2.502 | 76 | 178294 | 56.633 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 136735 | 58.404 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 313754 | 58.872 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 92475 | 51.676 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 87752 | 55.825 | ug/l | 95 |
| 22) Diisopropyl ether | 3.758 | 45 | 299631 | 58.668 | ug/l | 94 |
| 23) Vinyl Acetate | 3.715 | 43 | 1344870 | 324.875 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 174008 | 57.932 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 392575 | 328.247 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 158151 | 64.072 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 109742 | 56.100 | ug/l | 94 |
| 28) Bromochloromethane | 4.885 | 49 | 62386 | 49.360 | ug/l | 88 |
| 29) Tetrahydrofuran | 5.001 | 42 | 234208 | 303.060 | ug/l | 97 |
| 30) Chloroform | 5.080 | 83 | 182404 | 58.257 | ug/l | 94 |
| 31) Cyclohexane | 5.458 | 56 | 144224 | 59.242 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 164023 | 61.280 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 119269 | 58.983 | ug/l | 99 |
| 37) Ethyl Acetate | 4.709 | 43 | 147393 | 64.767 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 134725 | 62.932 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 158586 | 62.647 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 360978 | 56.780 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 79507 | 67.041 ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 145681 | 63.109 ug/l | | 97 |
| 43) Isopropyl Acetate | 6.336 | 43 | 235856 | 65.697 ug/l | | 94 |
| 44) Trichloroethene | 7.117 | 130 | 90015 | 51.360 ug/l | | 91 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 89529 | 57.459 ug/l | | 98 |
| 46) Dibromomethane | 7.574 | 93 | 70679 | 60.196 ug/l | | 96 |
| 47) Bromodichloromethane | 7.818 | 83 | 131365 | 63.678 ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 112803 | 63.393 ug/l | # | 88 |
| 49) 1,4-Dioxane | 7.659 | 88 | 33402 | 881.301 ug/l | # | 73 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 732582 | 327.265 ug/l | | 95 |
| 52) Toluene | 8.714 | 92 | 222500 | 60.664 ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 137451 | 65.667 ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 147638 | 62.243 ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 89441 | 62.501 ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 148281 | 65.443 ug/l | # | 88 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 151124 | 63.034 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 371281 | 312.467 ug/l | | 98 |
| 59) 2-Hexanone | 9.427 | 43 | 568460 | 359.925 ug/l | | 93 |
| 60) Dibromochloromethane | 9.519 | 129 | 95641 | 68.588 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 92940 | 62.263 ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 74157 | 54.472 ug/l | | 99 |
| 65) Chlorobenzene | 10.080 | 112 | 243080 | 54.828 ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 83934 | 56.885 ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 429559 | 57.573 ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 323661 | 116.466 ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 160643 | 59.245 ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 268004 | 59.974 ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 60267 | 62.587 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 411000 | 57.397 ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 200195 | 62.704 ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 139756 | 57.726 ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 118450m | 57.858 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 97761 | 55.706 ug/l | | 97 |
| 78) n-propylbenzene | 11.299 | 91 | 474802 | 60.094 ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 286649 | 57.018 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 345531 | 58.215 ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 44450 | 61.129 ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 333946 | 57.679 ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 345112 | 56.841 ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 345112 | 57.254 ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 426284 | 58.794 ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 353256 | 58.026 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 176936 | 54.401 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 178728 | 53.598 ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 319448 | 61.581 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 59010 | 57.586 ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 177334 | 52.077 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 28467 | 56.961 ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 108749 | 54.645 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 41267 | 50.599 ug/l | | 95 |
| 95) Naphthalene | 13.774 | 128 | 401752 | 54.142 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 112162 | 54.094 ug/l | | 96 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

ICAL Form

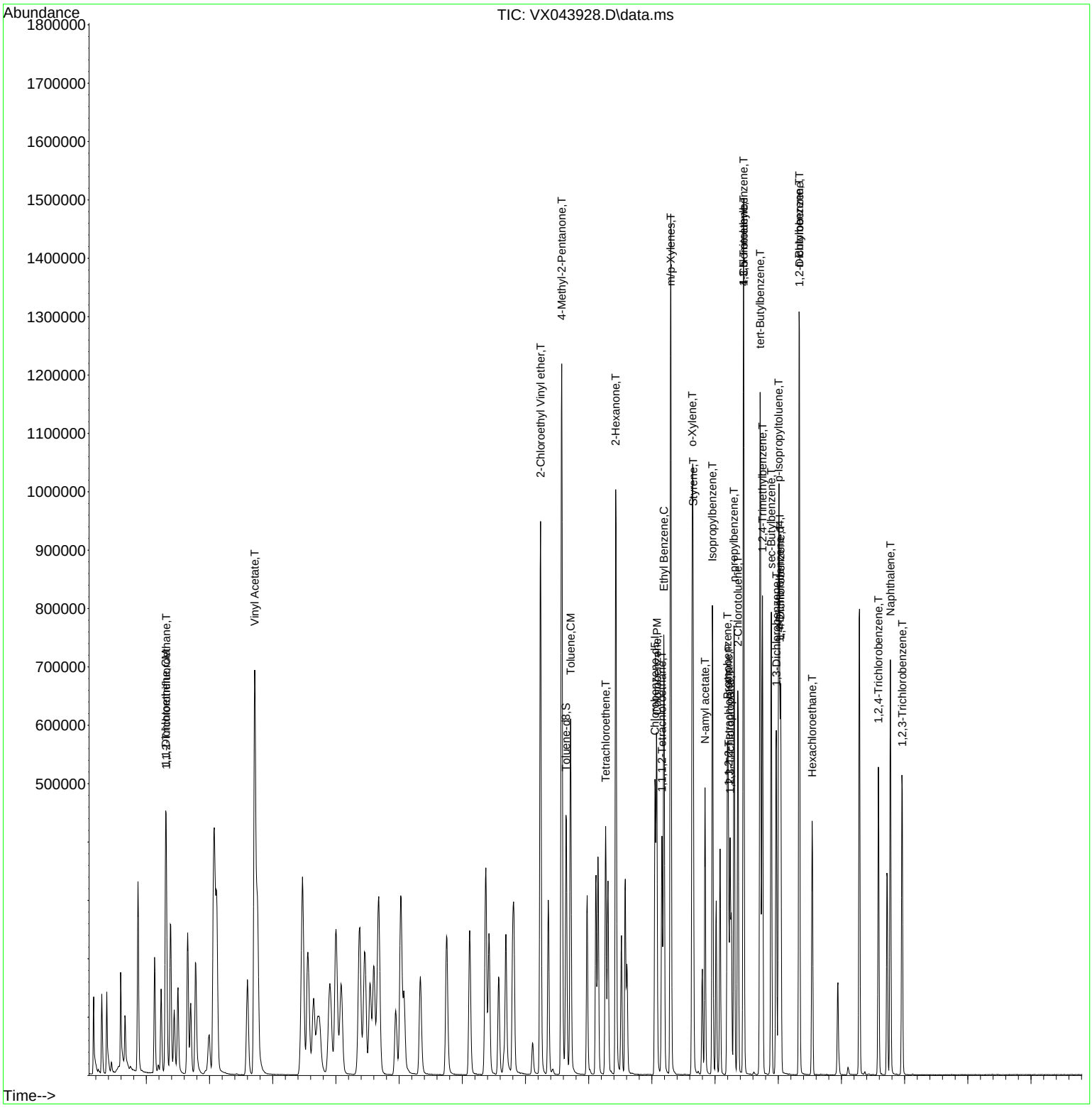
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

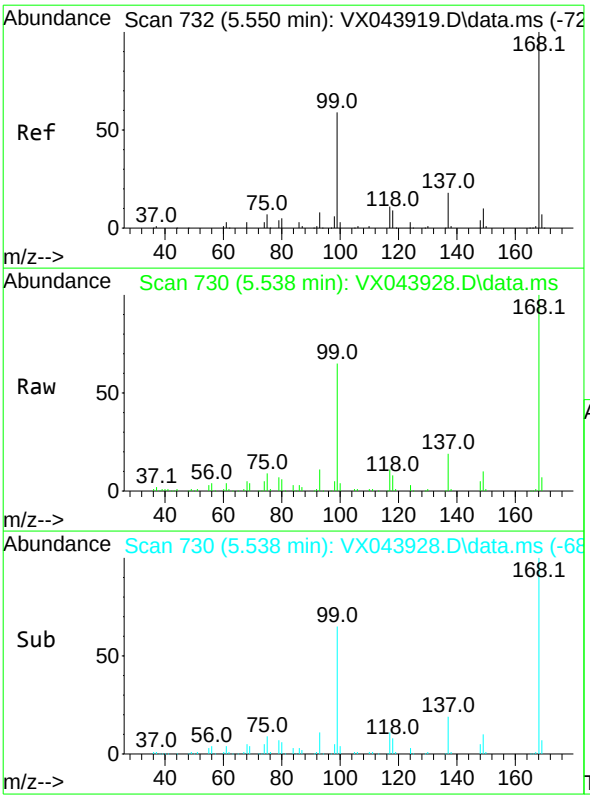
Quant Time: Nov 21 12:14:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

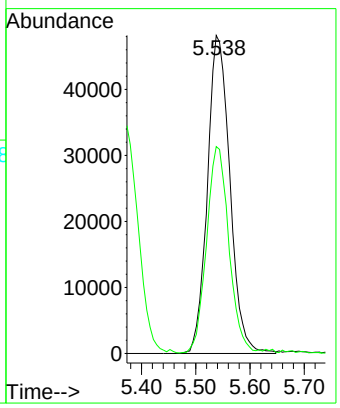





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:168 Resp: 138578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.8 | 46.9 | 70.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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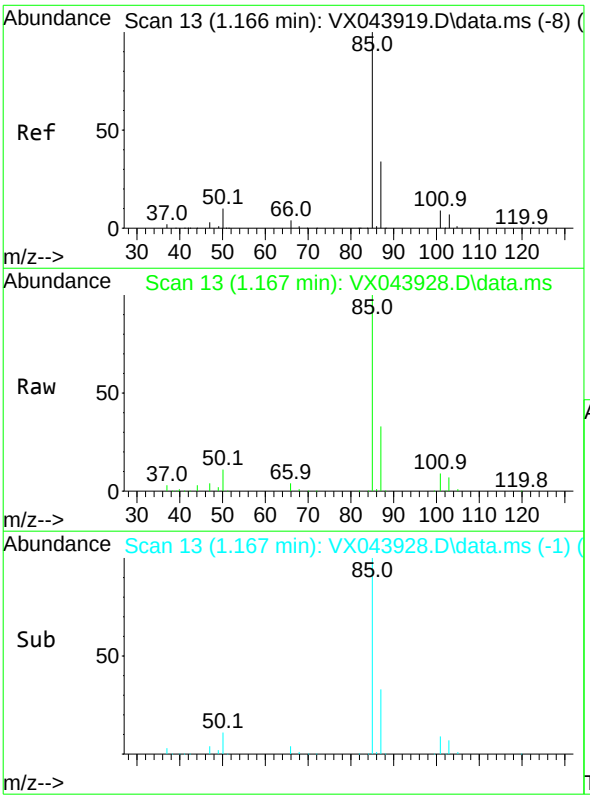
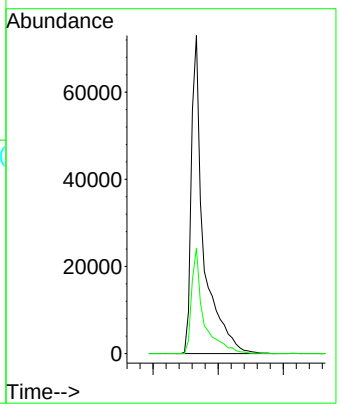
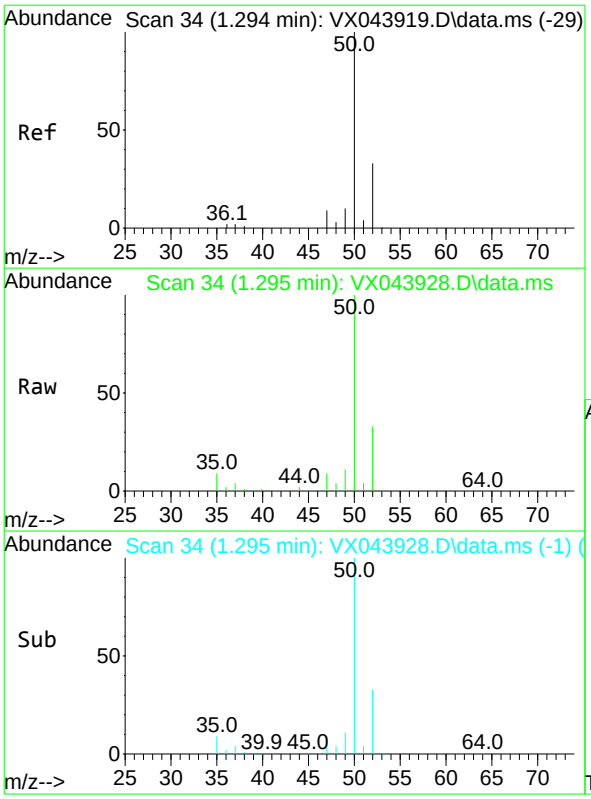



#2
Dichlorodifluoromethane
Concen: 67.600 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 17.1 | 51.2 |

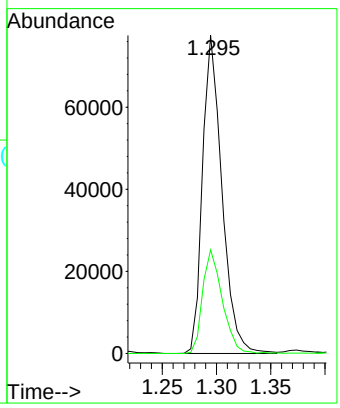





#3
Chloromethane
Concen: 55.148 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 50 Resp: 96646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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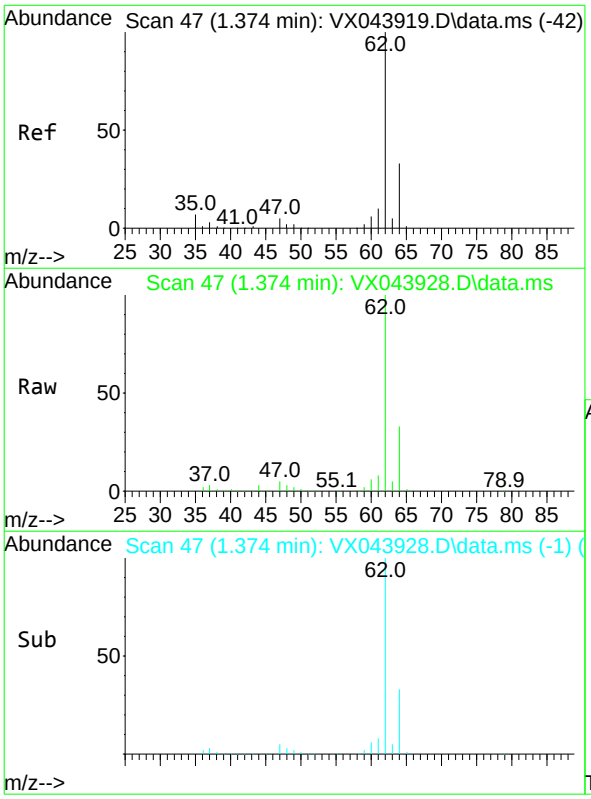
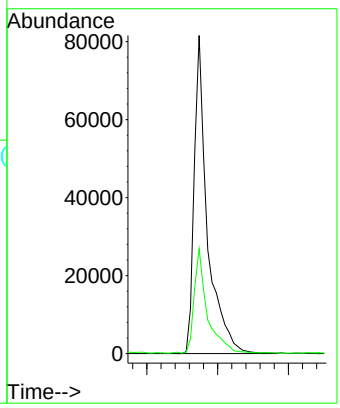
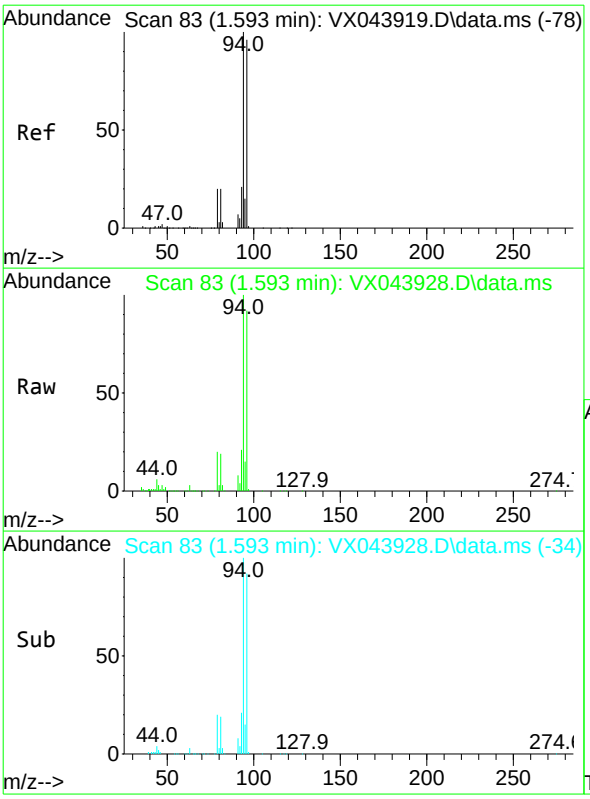



#4
Vinyl Chloride
Concen: 59.966 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.1 | 39.1 |

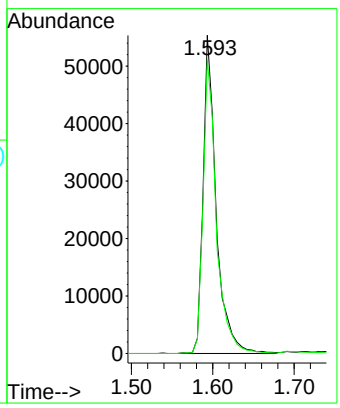





#5
Bromomethane
Concen: 77.177 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 94 Resp: 61728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.4 | 76.5 | 114.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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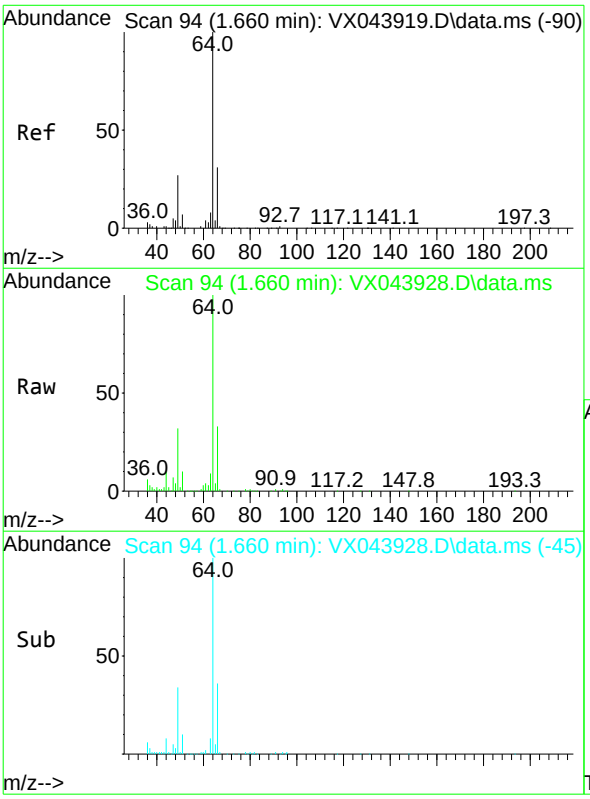
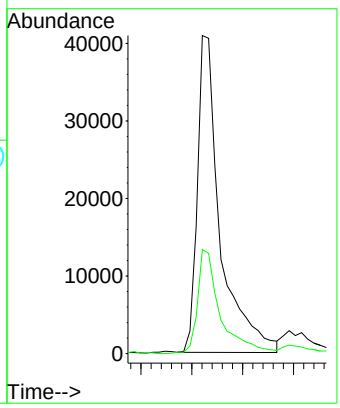
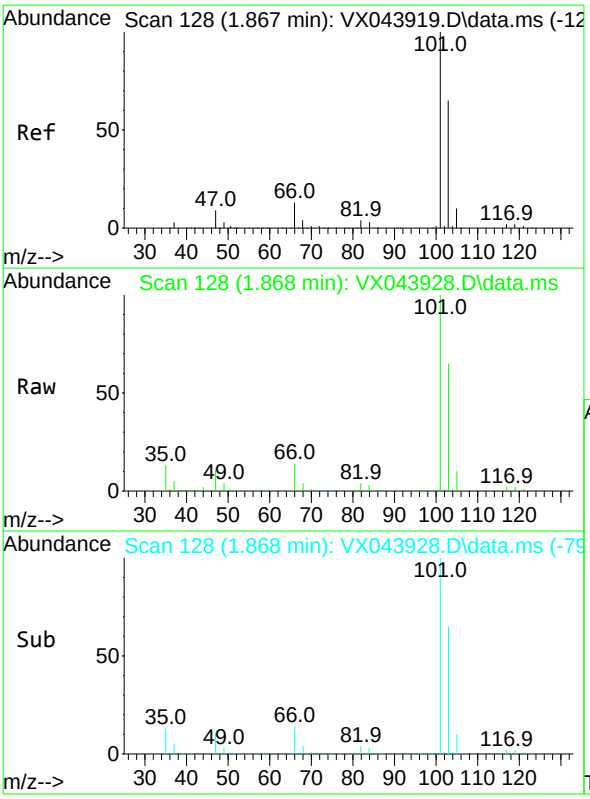



#6
Chloroethane
Concen: 75.594 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 24.9 | 37.3 |

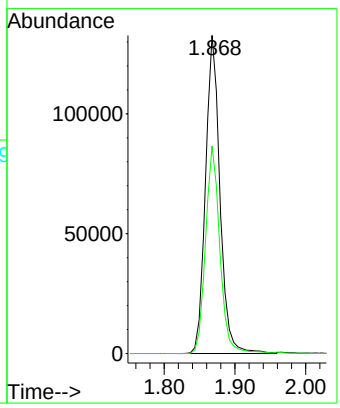





#7
Trichlorofluoromethane
Concen: 74.909 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:101 Resp: 188045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.2 | 52.2 | 78.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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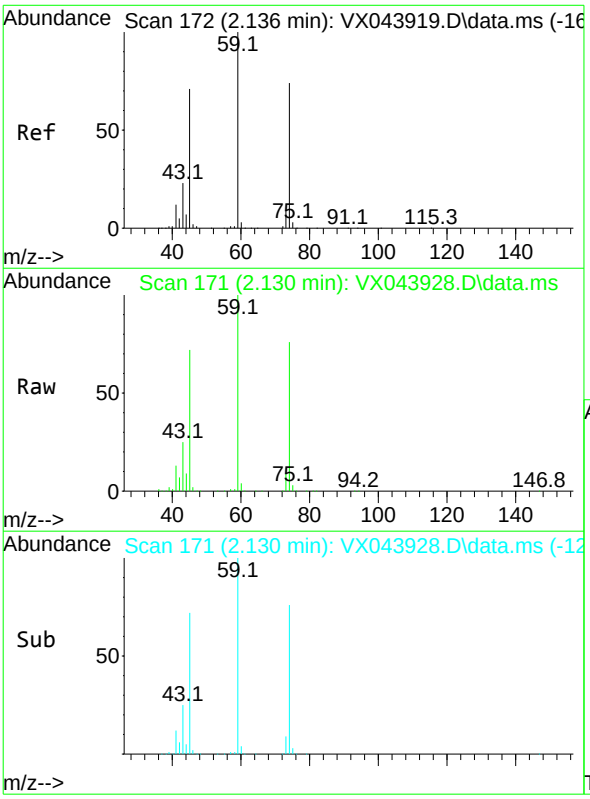
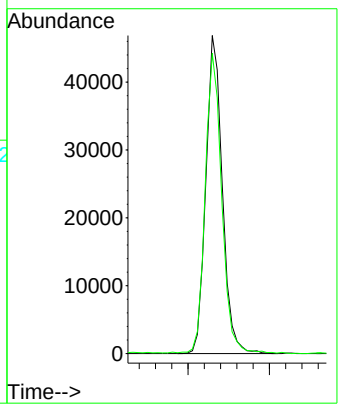
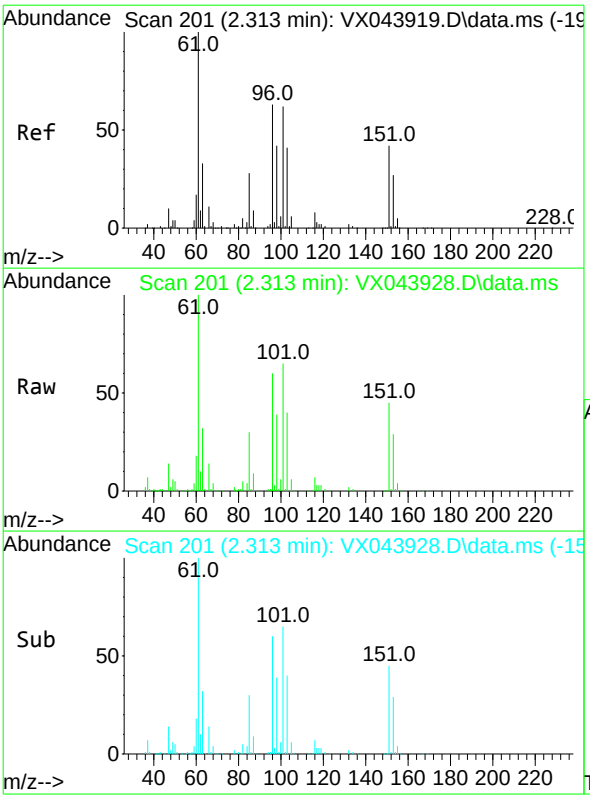



#8
Diethyl Ether
Concen: 69.383 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.7 | 49.9 | 149.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 61.367 ug/l
RT: 2.313 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 91167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.4 | 36.6 | 54.8 |
| 151 | 71.9 | 59.8 | 89.6 |

**Manual Integrations**
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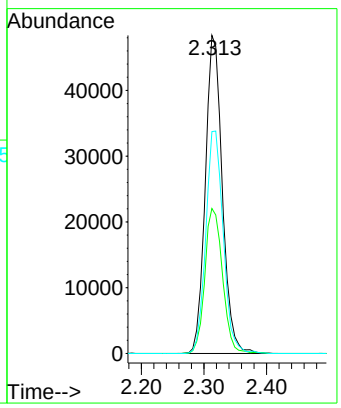
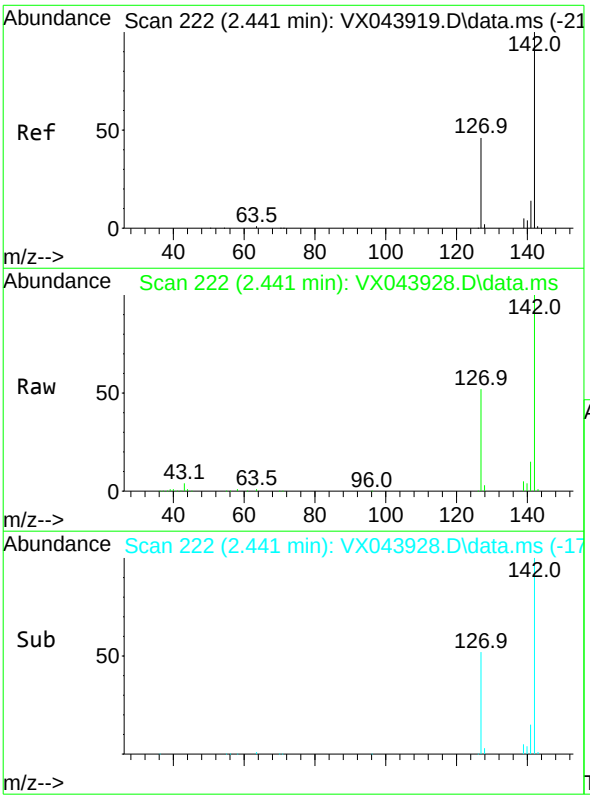
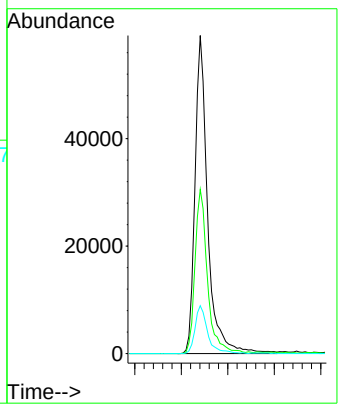


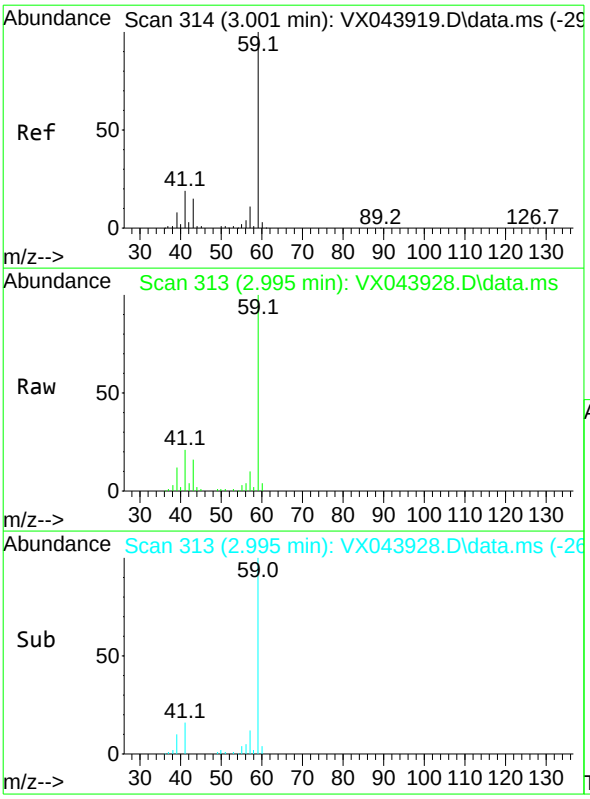




#10
Methyl Iodide
Concen: 53.608 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.9 | 37.3 | 55.9 |
| 141 | 15.0 | 11.4 | 17.2 |

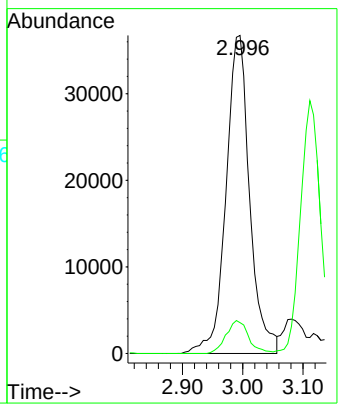





#11
Tert butyl alcohol
Concen: 295.821 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 59 Resp: 100130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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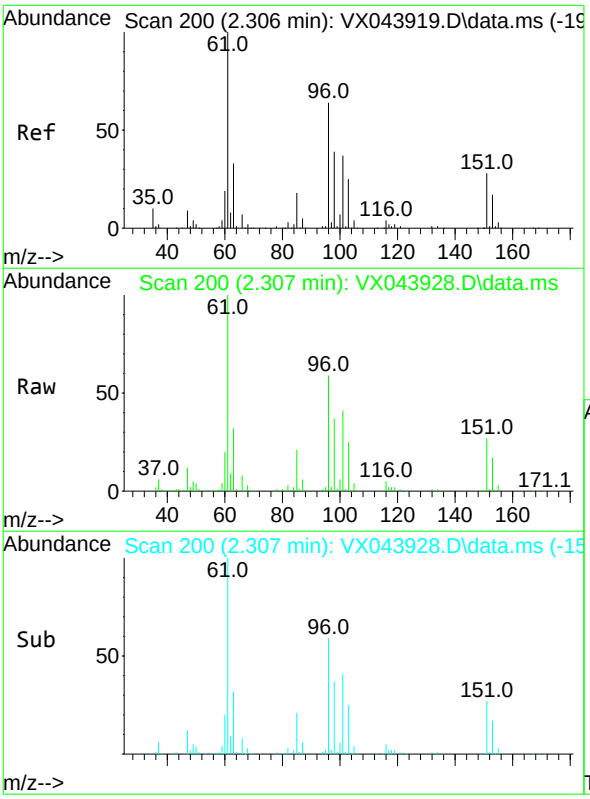
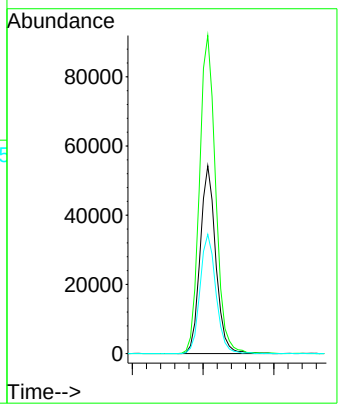
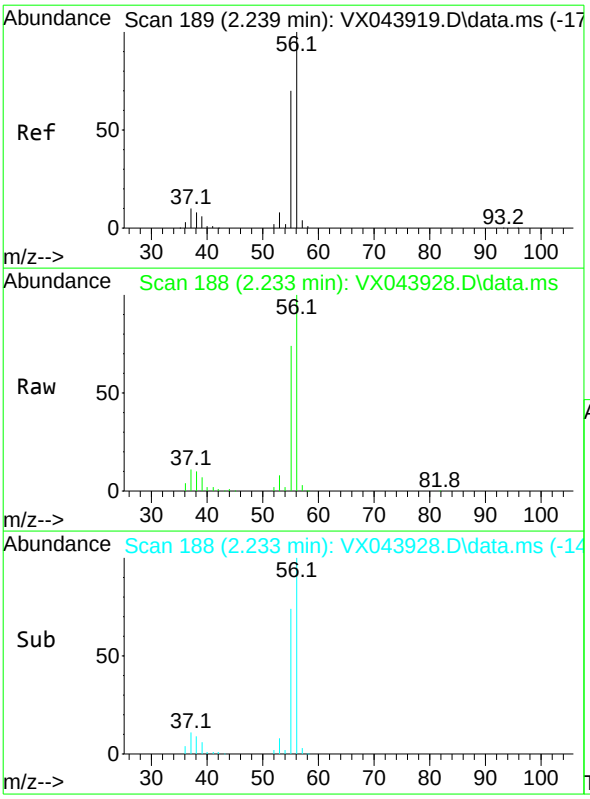



#12
1,1-Dichloroethene
Concen: 57.625 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.4 | 124.6 | 187.0 |
| 98 | 63.5 | 49.0 | 73.6 |

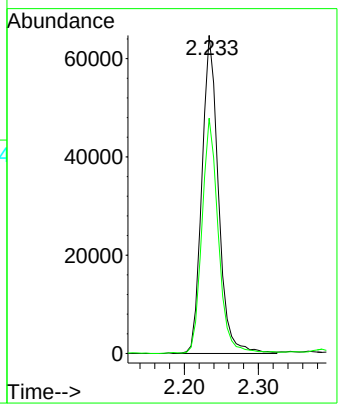





#13
Acrolein
Concen: 265.136 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 100647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.7 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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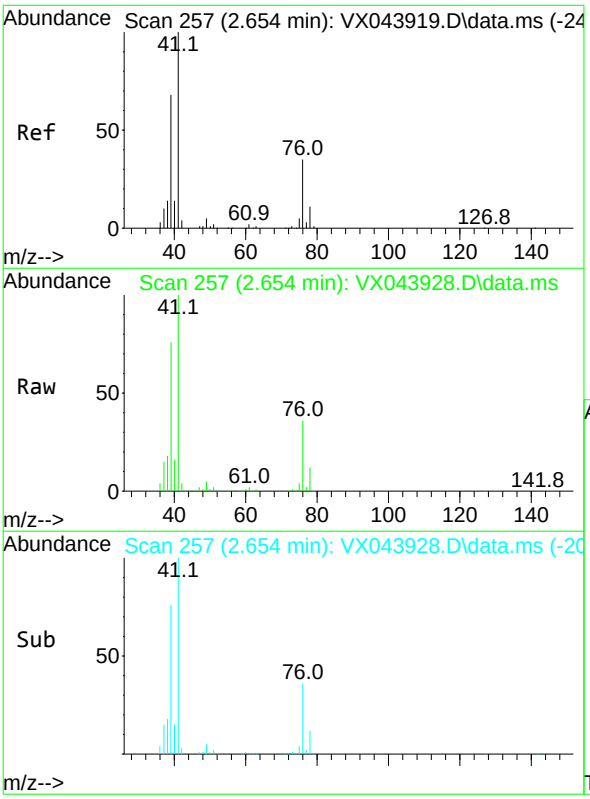
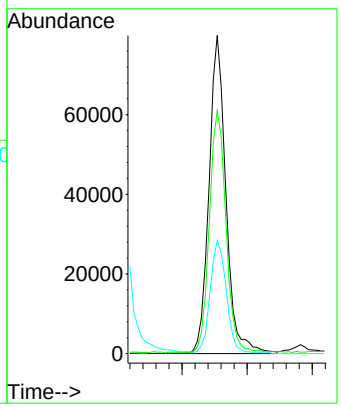
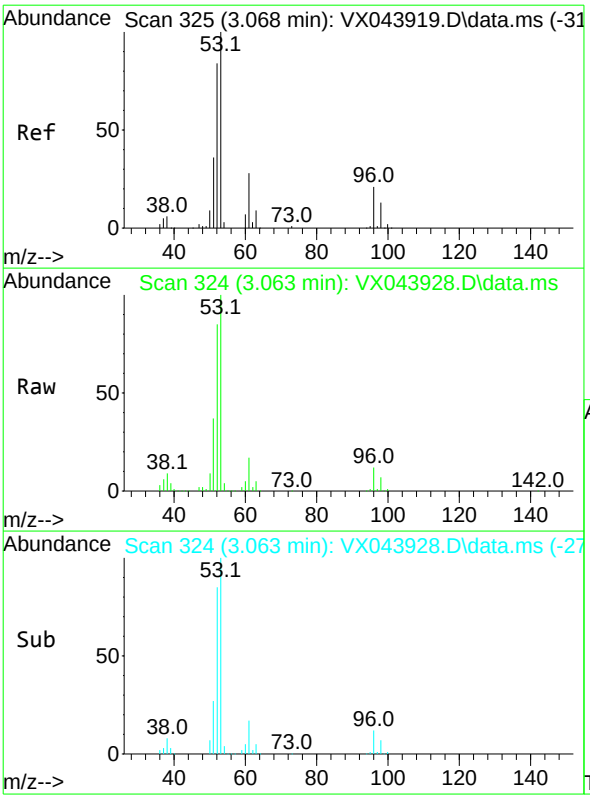



#14
Allyl chloride
Concen: 61.883 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 51.7 | 77.5 |
| 76 | 34.3 | 28.2 | 42.2 |

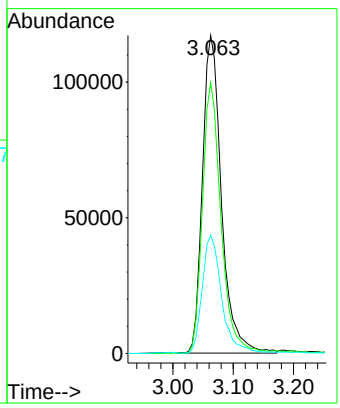





#15
Acrylonitrile
Concen: 294.373 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 53 Resp: 256493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 65.8 | 98.8 |
| 51 | 37.8 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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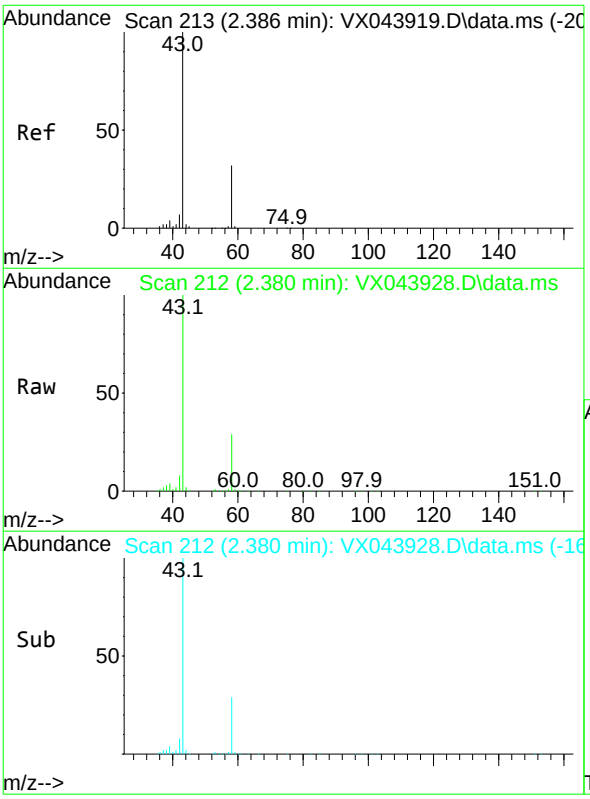
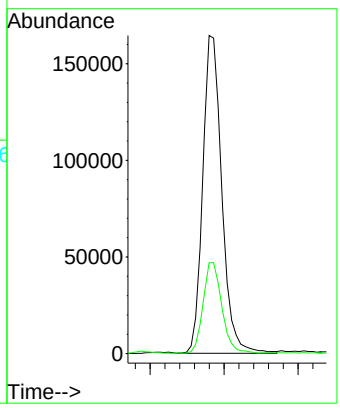
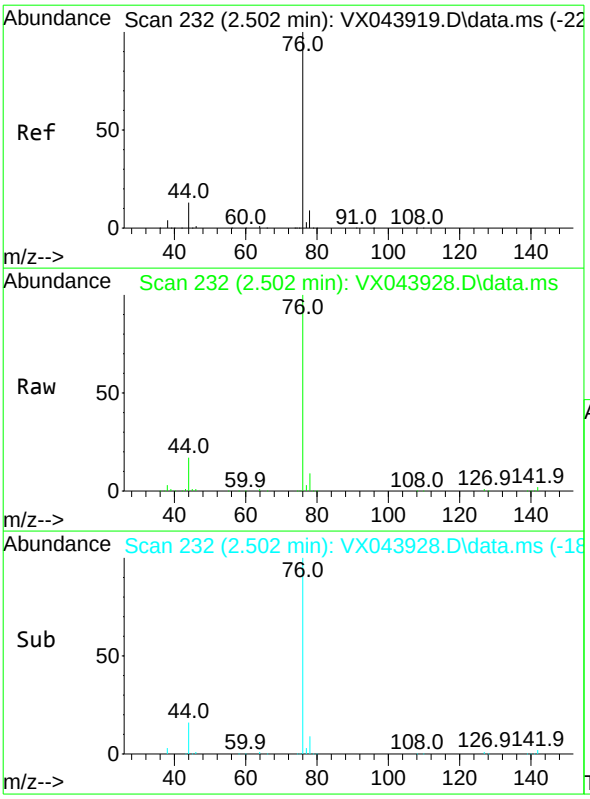



#16
Acetone
Concen: 344.605 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 25.8 | 38.6 |

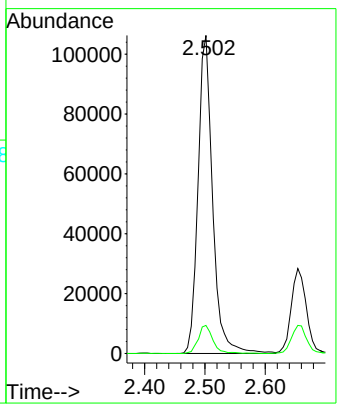





#17
Carbon Disulfide
Concen: 56.633 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 178294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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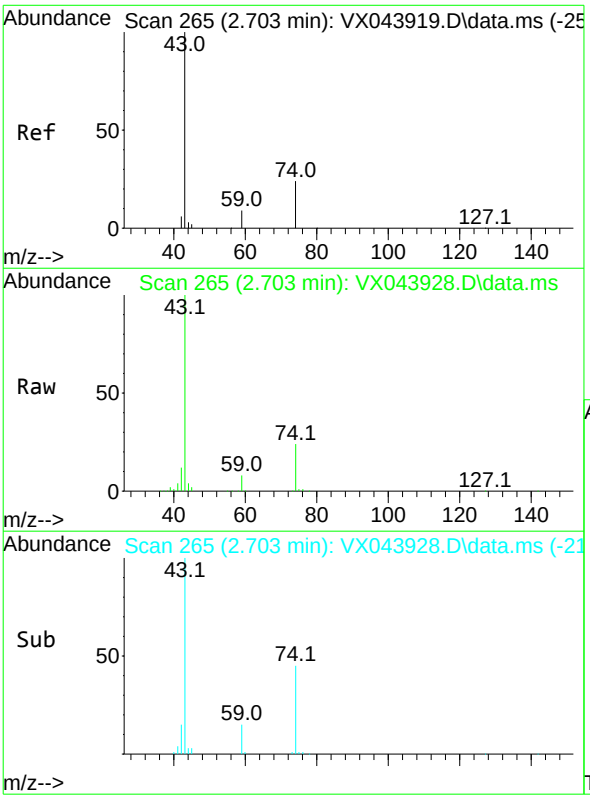
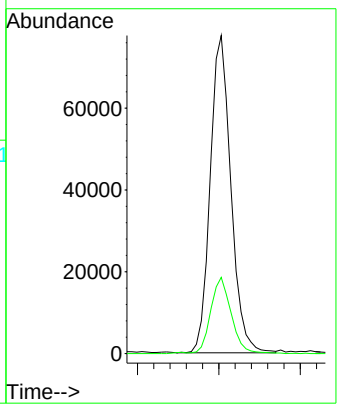
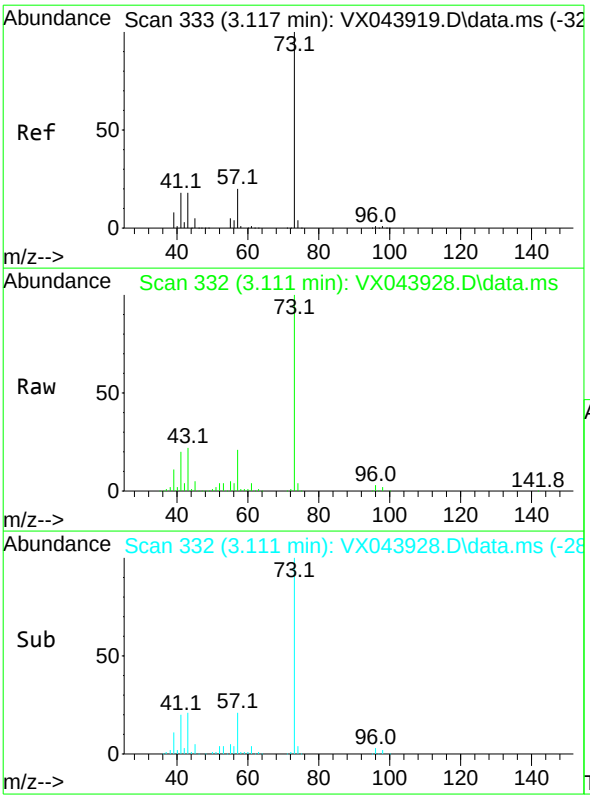



#18
Methyl Acetate
Concen: 58.404 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 20.1 | 30.1 |

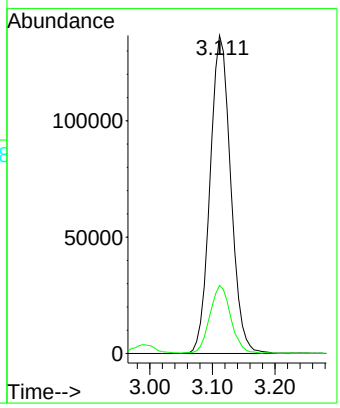





#19
Methyl tert-butyl Ether
Concen: 58.872 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 73 Resp: 313754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.3 | 16.4 | 24.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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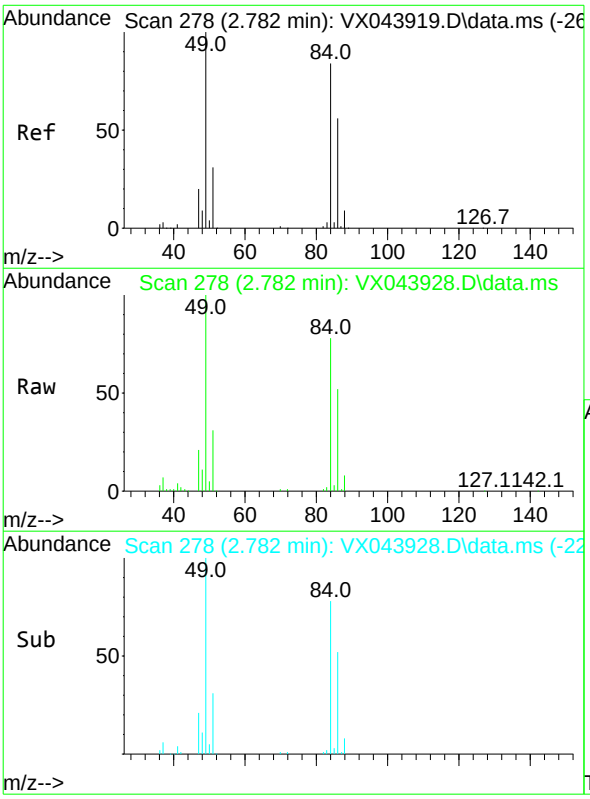
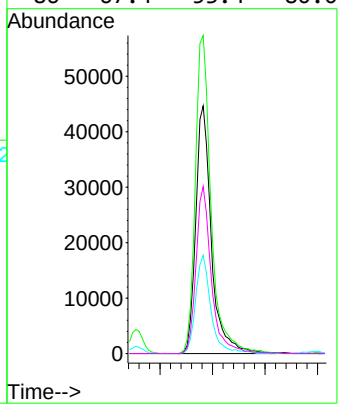
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

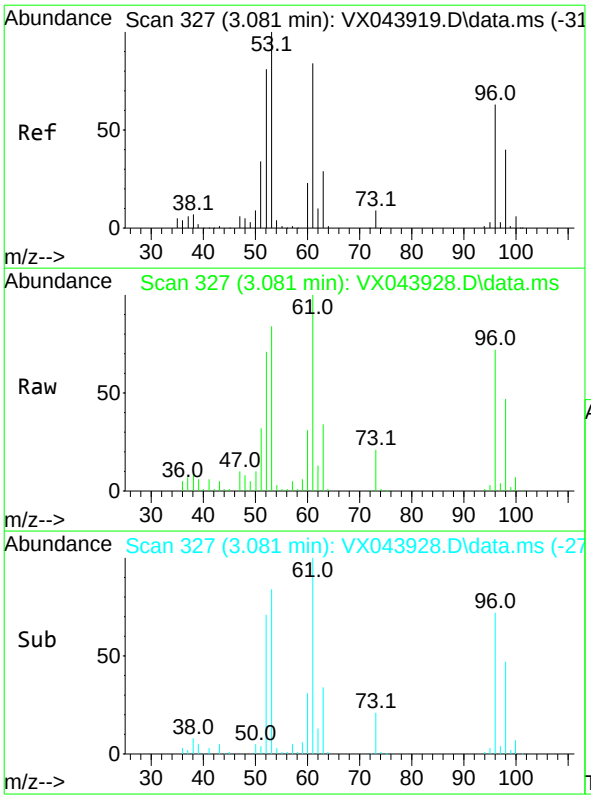



#20
Methylene Chloride
Concen: 51.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.4 | 95.1 | 142.7 |
| 51 | 39.6 | 29.2 | 43.8 |
| 86 | 67.4 | 53.4 | 80.0 |

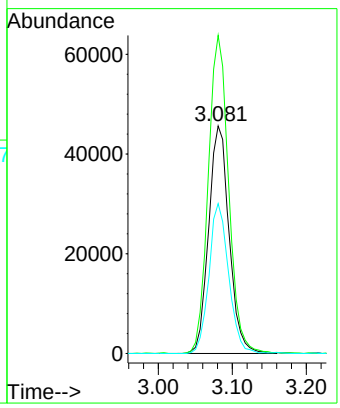





#21
trans-1,2-Dichloroethene
Concen: 55.825 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 87752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 106.4 | 159.6 |
| 98 | 65.9 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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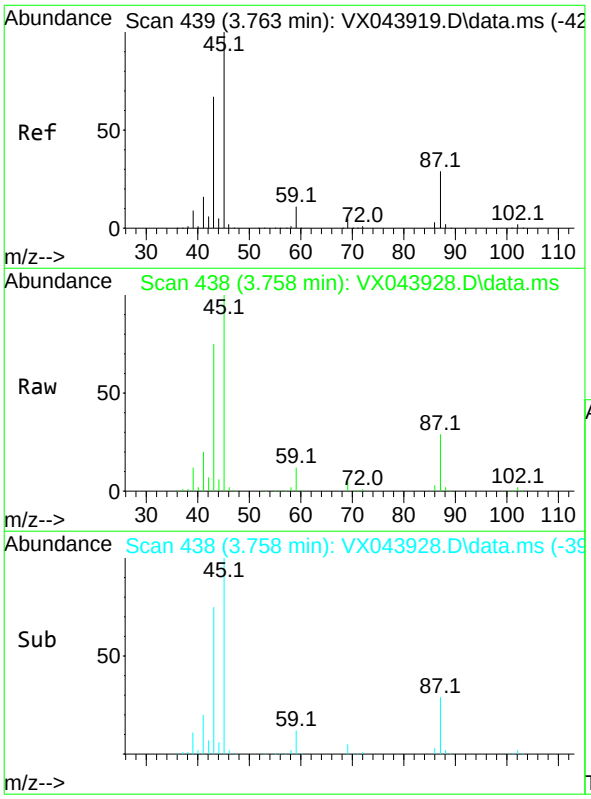
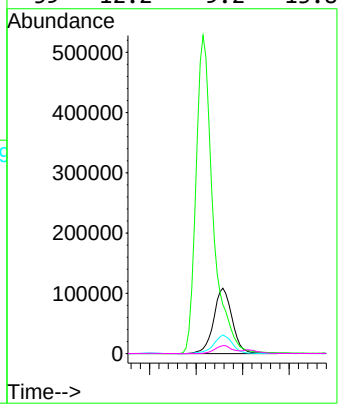
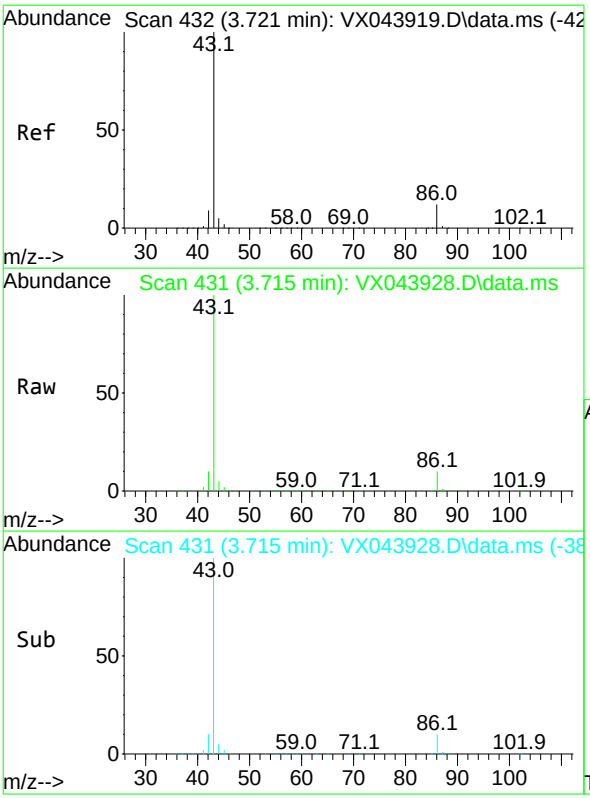



#22
Diisopropyl ether
Concen: 58.668 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.5 | 53.8 | 80.6 |
| 87 | 28.6 | 23.4 | 35.2 |
| 59 | 12.2 | 9.2 | 13.8 |

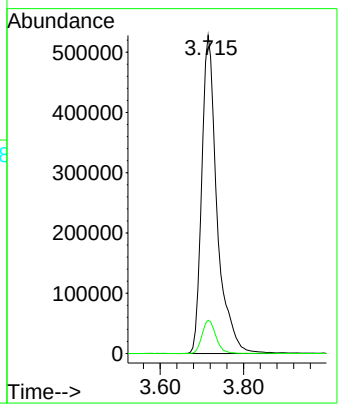





#23
Vinyl Acetate
Concen: 324.875 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 1344870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 9.4 | 14.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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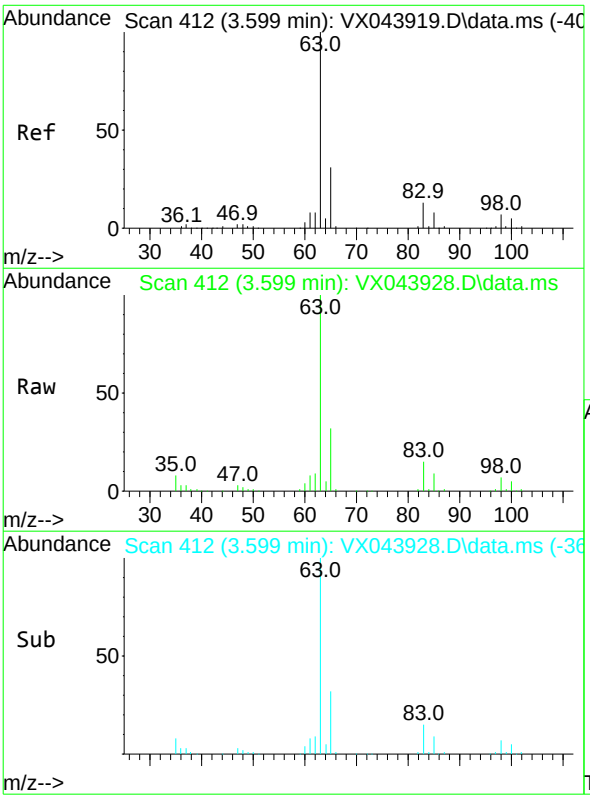
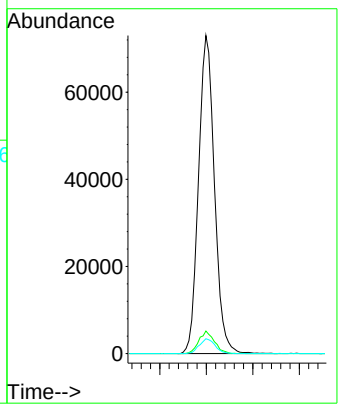
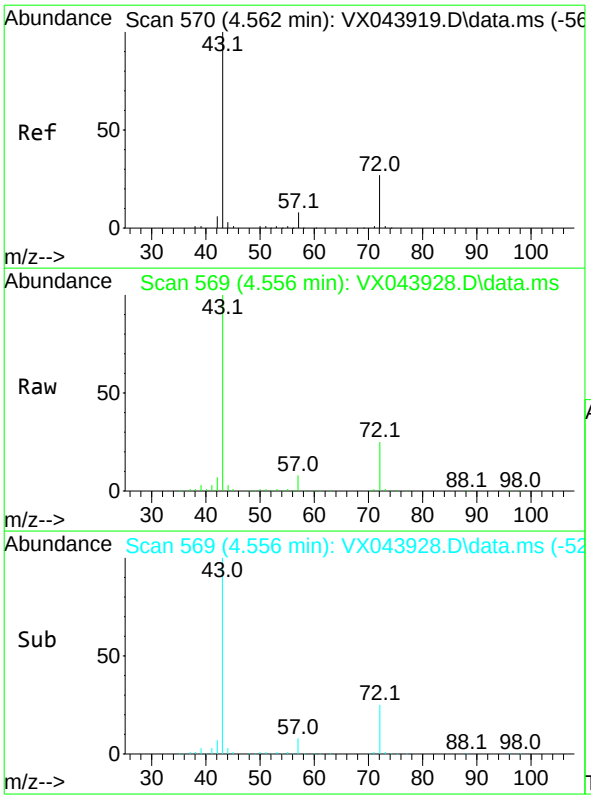



#24
1,1-Dichloroethane
Concen: 57.932 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.7 | 11.1 |
| 100 | 4.7 | 2.4 | 7.2 |

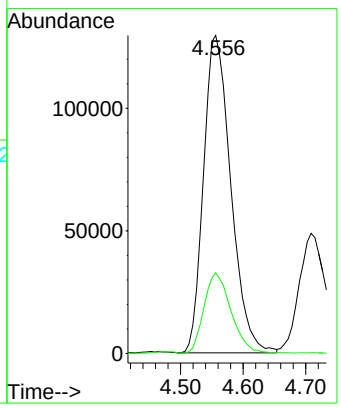





#25
2-Butanone
Concen: 328.247 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 392575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 21.3 | 31.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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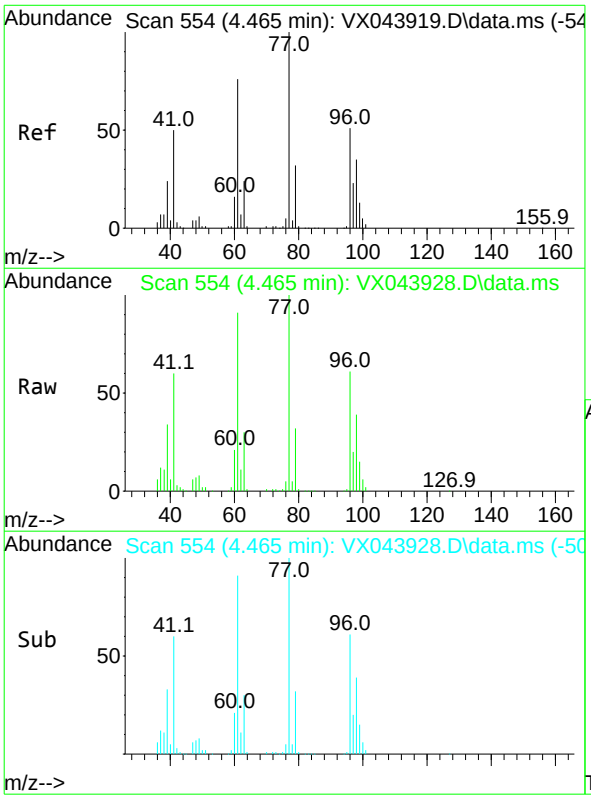
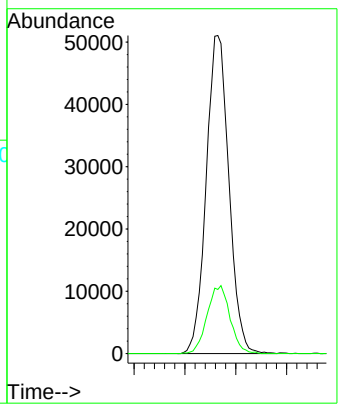
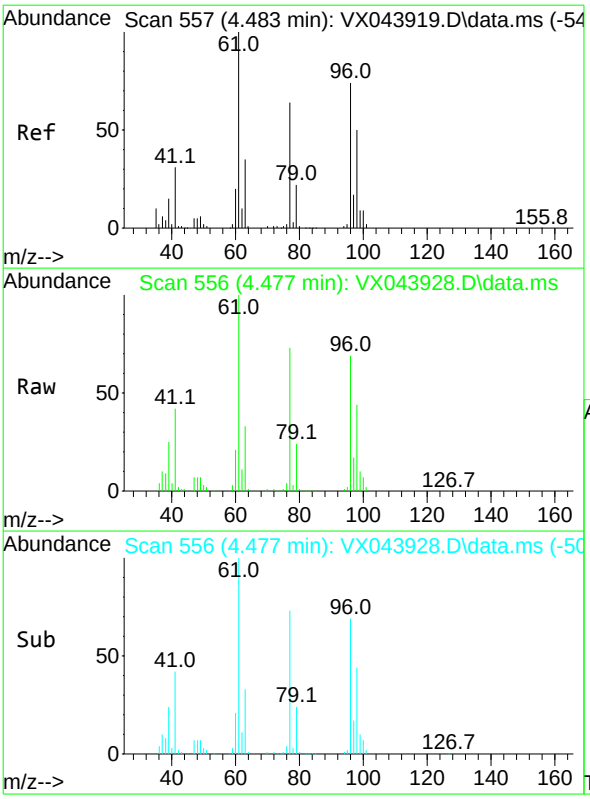



#26
2,2-Dichloropropane
Concen: 64.072 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 11.7 | 35.1 |

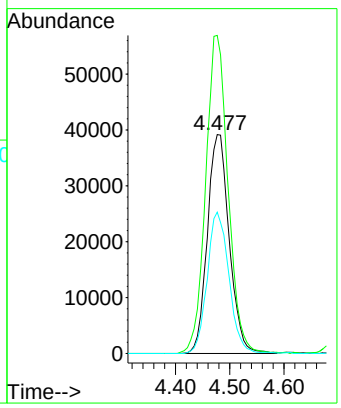





#27
cis-1,2-Dichloroethene
Concen: 56.100 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 109742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.7 | 0.0 | 279.4 |
| 98 | 63.9 | 0.0 | 131.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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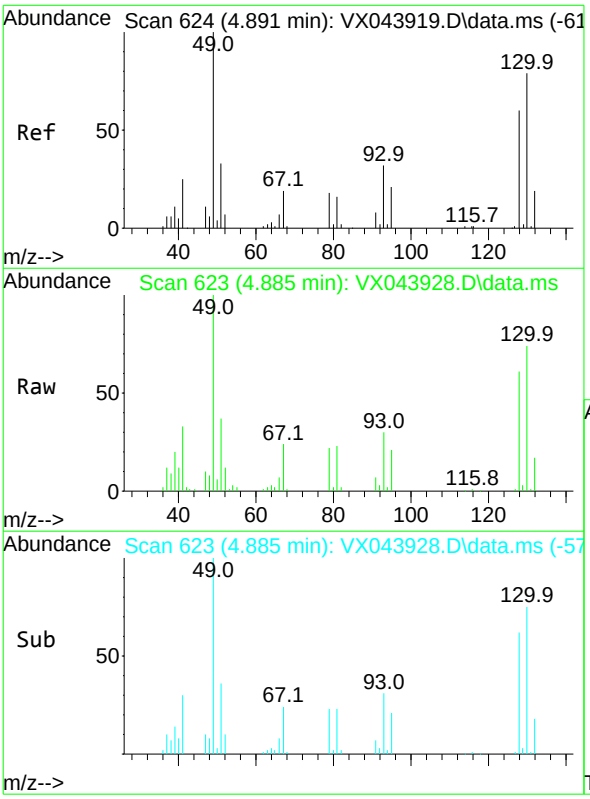
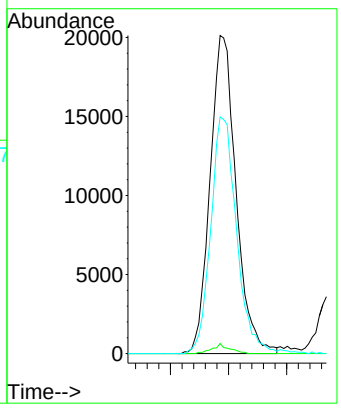
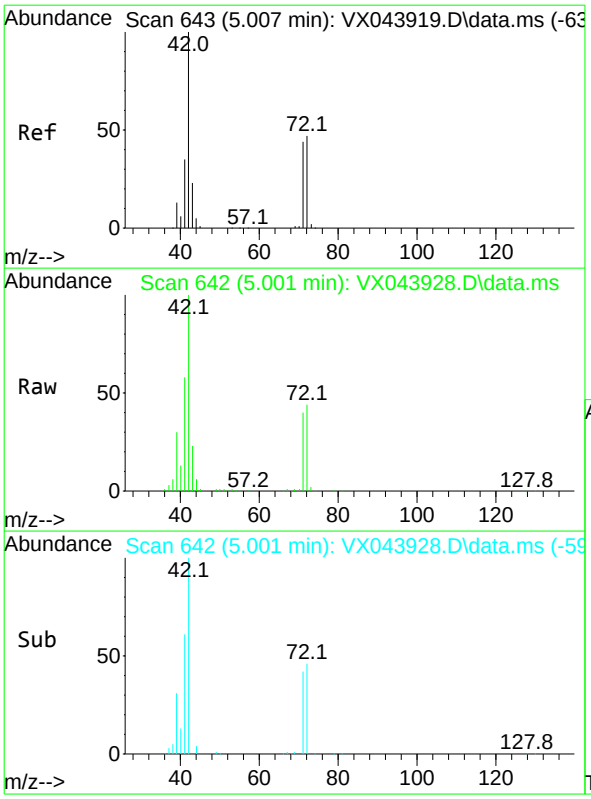



#28
Bromochloromethane
Concen: 49.360 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.4 |
| 130 | 73.8 | 68.2 | 102.2 |

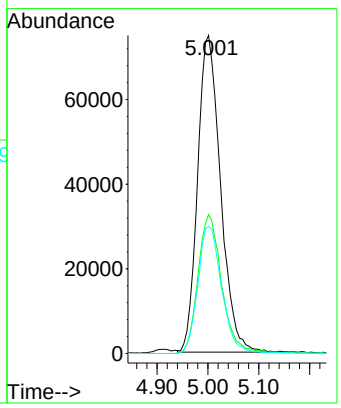





#29
Tetrahydrofuran
Concen: 303.060 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 42 Resp: 234208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.5 | 37.9 | 56.9 |
| 71 | 41.7 | 34.8 | 52.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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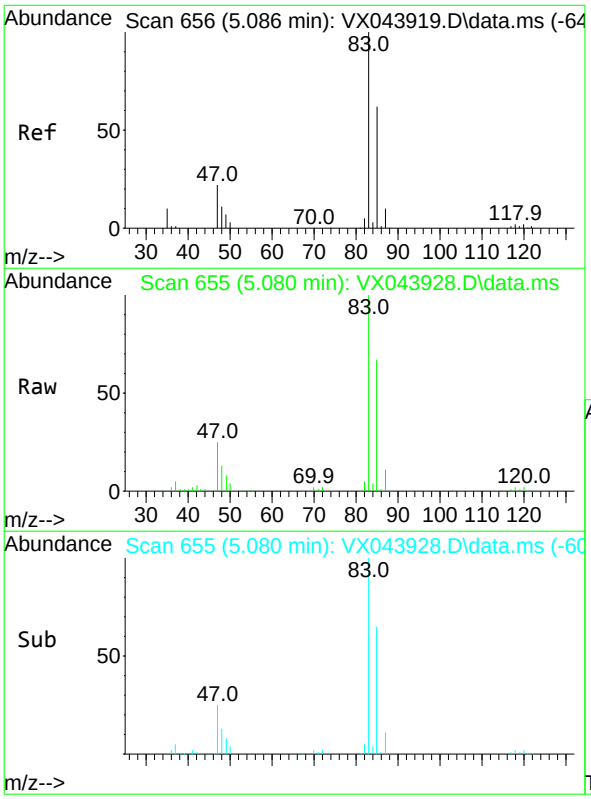
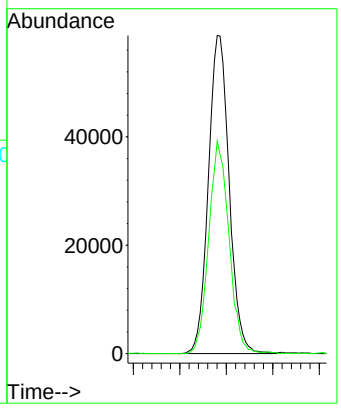
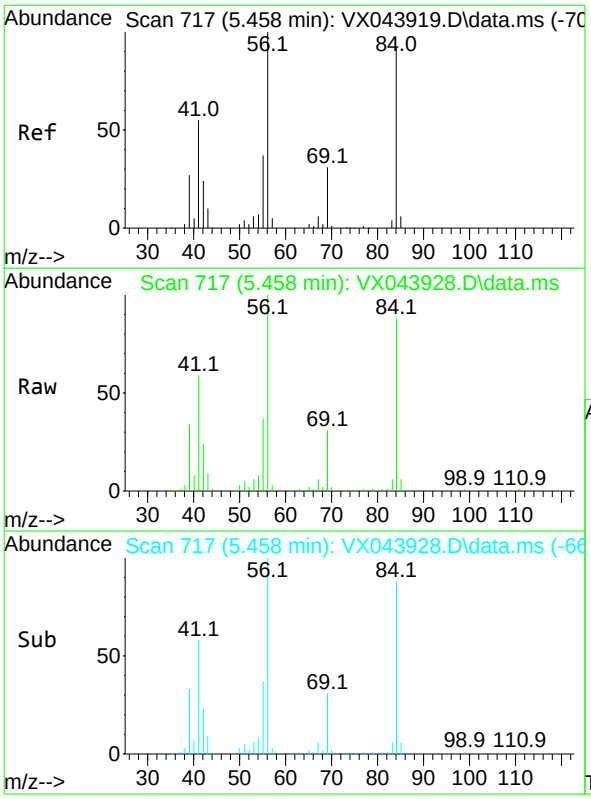



#30
Chloroform
Concen: 58.257 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.9 | 49.7 | 74.5 |






#31
Cyclohexane
Concen: 59.242 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 56 Resp: 144224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.9 | 37.3 |
| 84 | 85.9 | 73.8 | 110.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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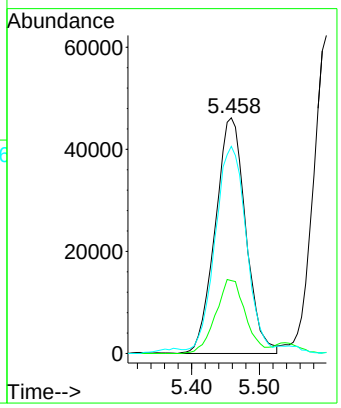
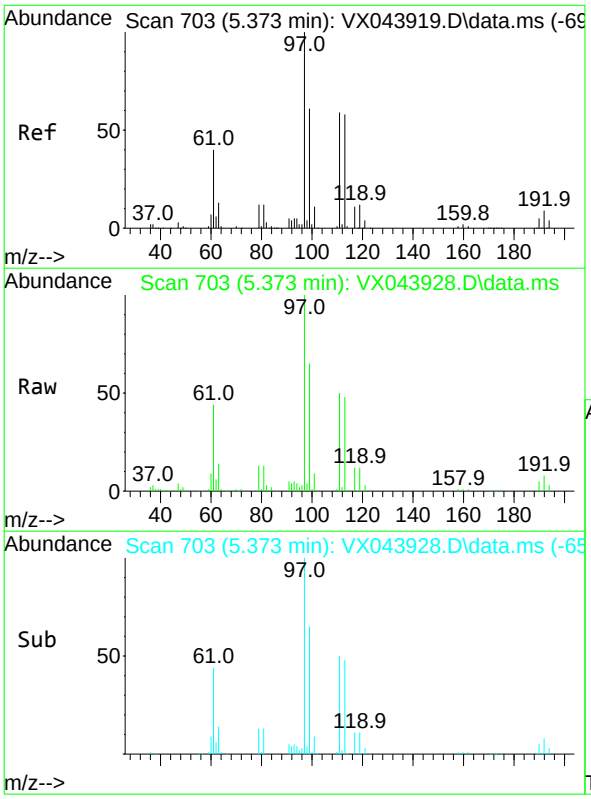
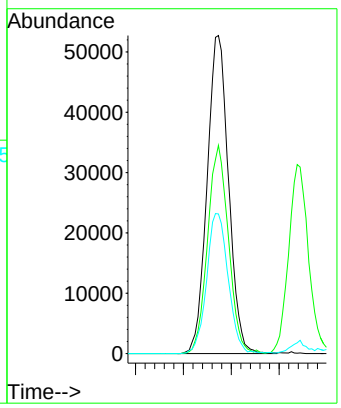


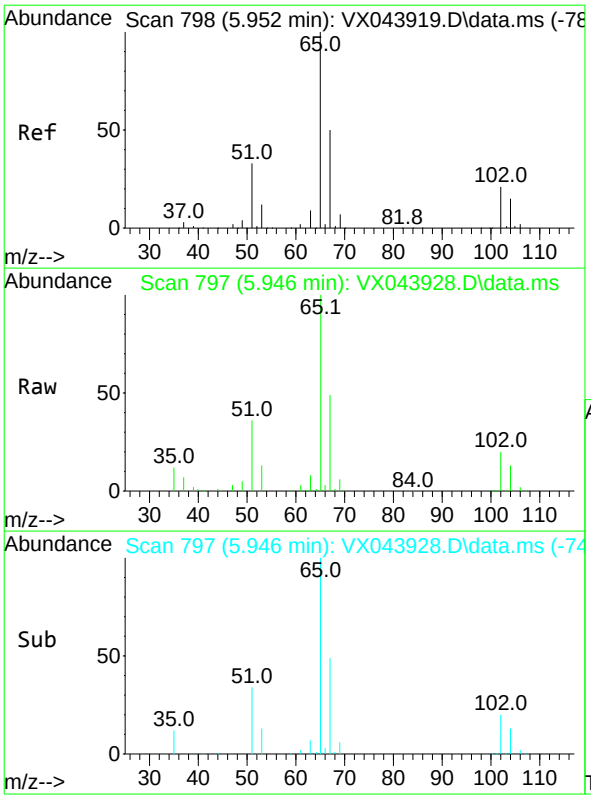




#32
1,1,1-Trichloroethane
Concen: 61.280 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 51.2 | 76.8 |
| 61 | 44.3 | 32.9 | 49.3 |

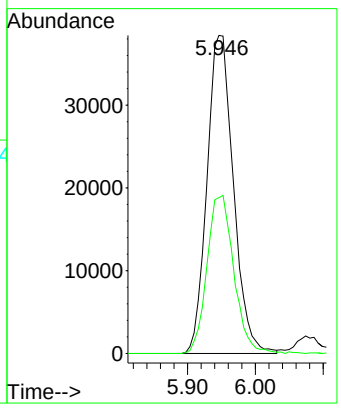





#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 65 Resp: 104086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 103.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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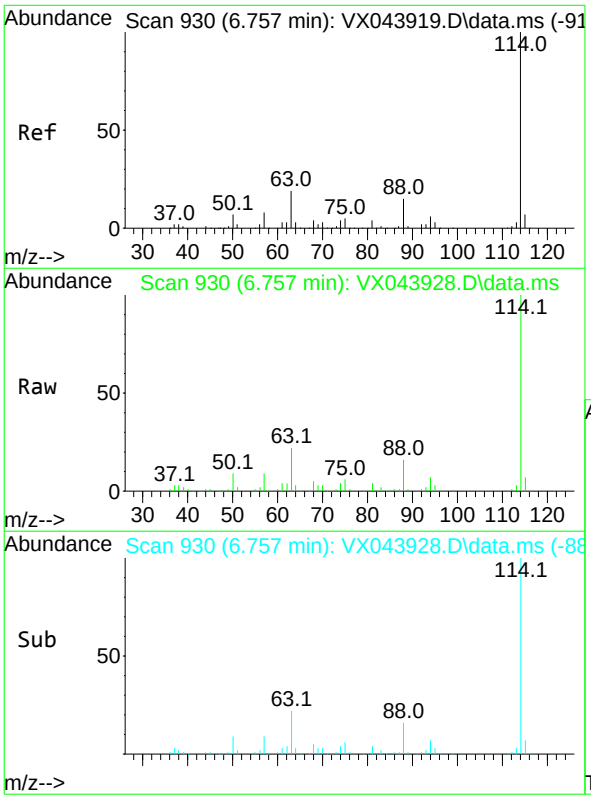
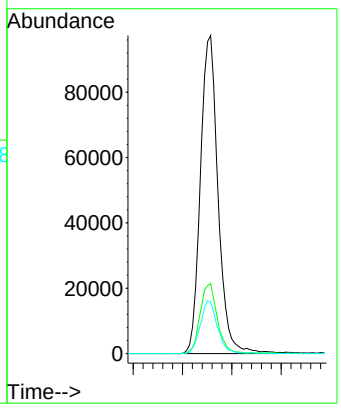
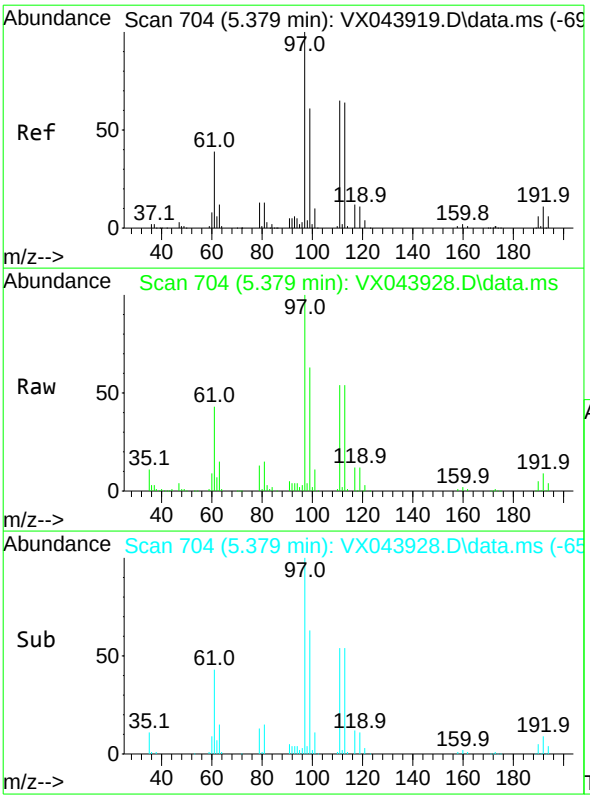



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 39.0 |
| 88 | 16.2 | 0.0 | 30.2 |






#35
Dibromofluoromethane
Concen: 48.663 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 78954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.0 | 121.6 |
| 192 | 16.3 | 14.2 | 21.2 |

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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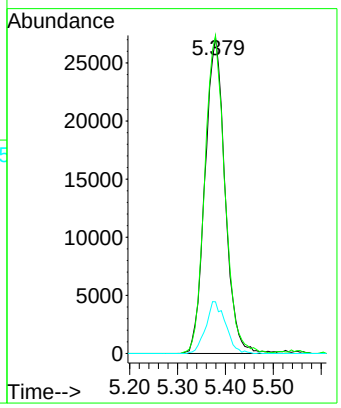
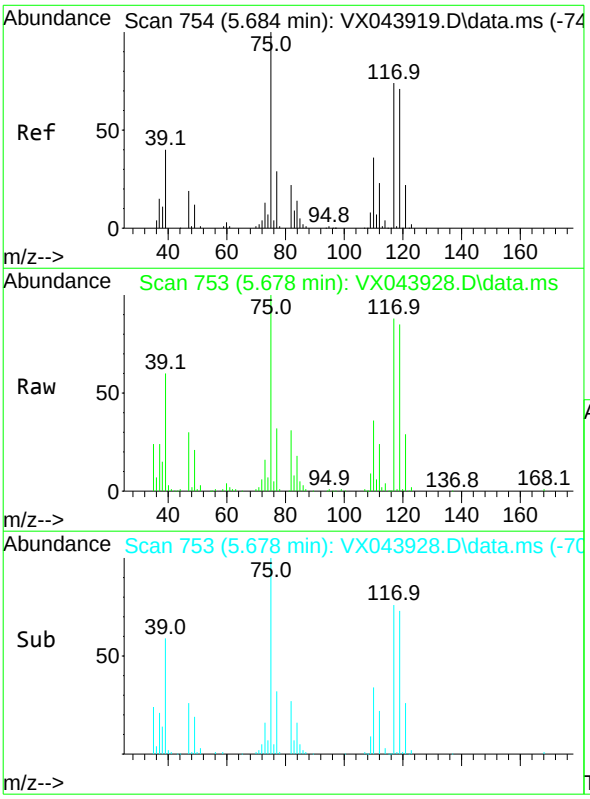
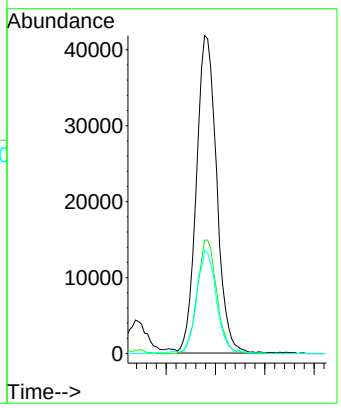


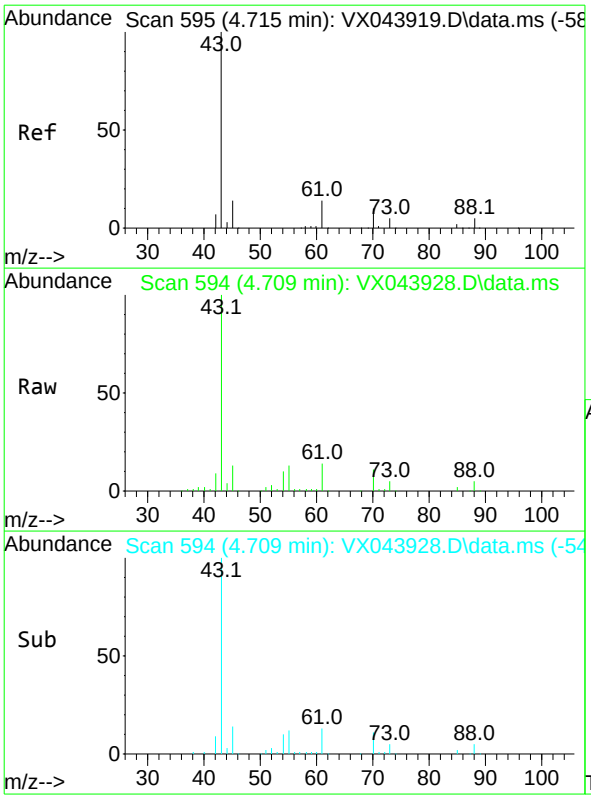




#36
1,1-Dichloropropene
Concen: 58.983 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.5 | 52.5 |
| 77 | 32.3 | 24.9 | 37.3 |






#37
Ethyl Acetate
Concen: 64.767 ug/l
RT: 4.709 min Scan# 59
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 147393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 11.5 | 17.3 |
| 70 | 10.0 | 8.7 | 13.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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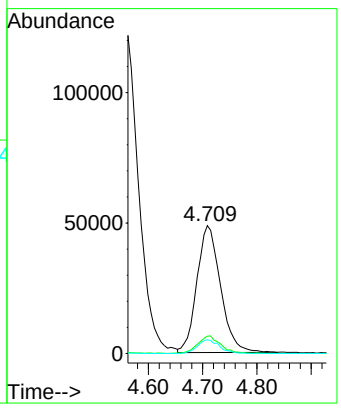
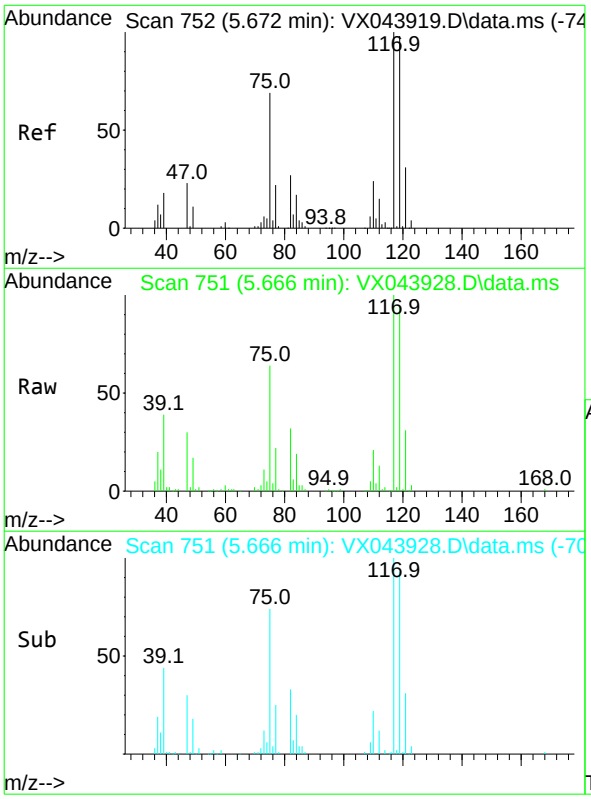
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

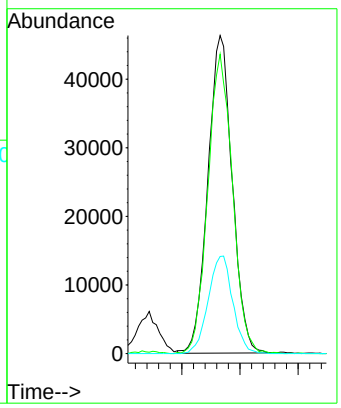


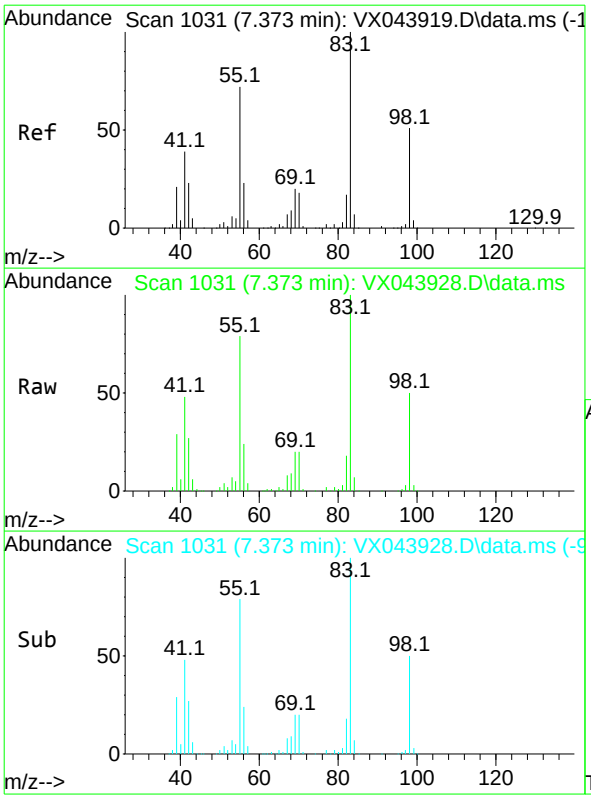




#38
Carbon Tetrachloride
Concen: 62.932 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 78.3 | 117.5 |
| 121 | 30.6 | 25.1 | 37.7 |

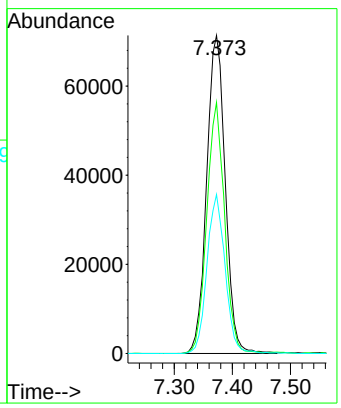





#39
Methylcyclohexane
Concen: 62.647 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 158586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.9 | 57.9 | 86.9 |
| 98 | 50.0 | 40.5 | 60.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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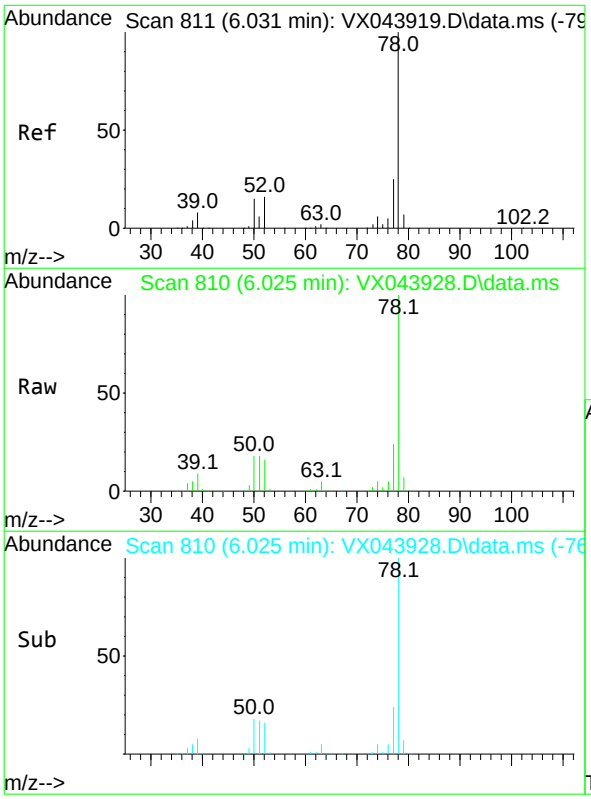
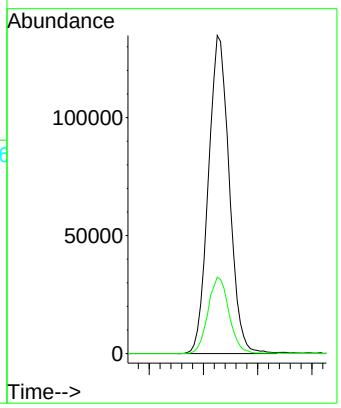
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

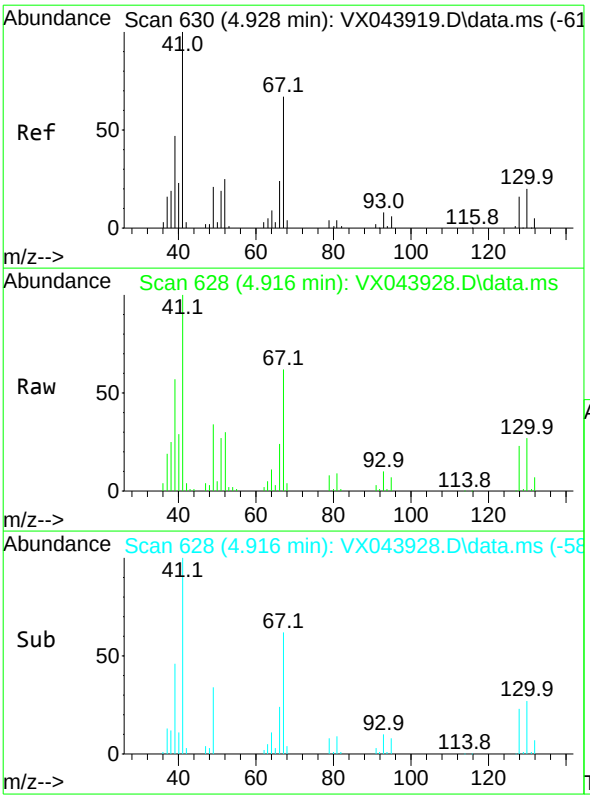



#40
Benzene
Concen: 56.780 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.8 | 29.8 |

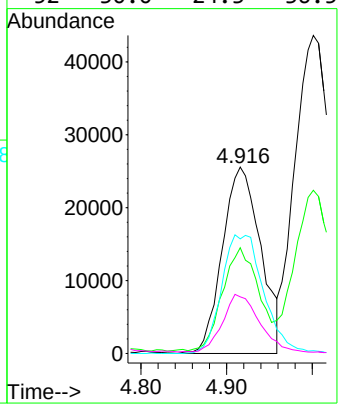





#41
Methacrylonitrile
Concen: 67.041 ug/l
RT: 4.916 min Scan# 62
Delta R.T. -0.012 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 79507

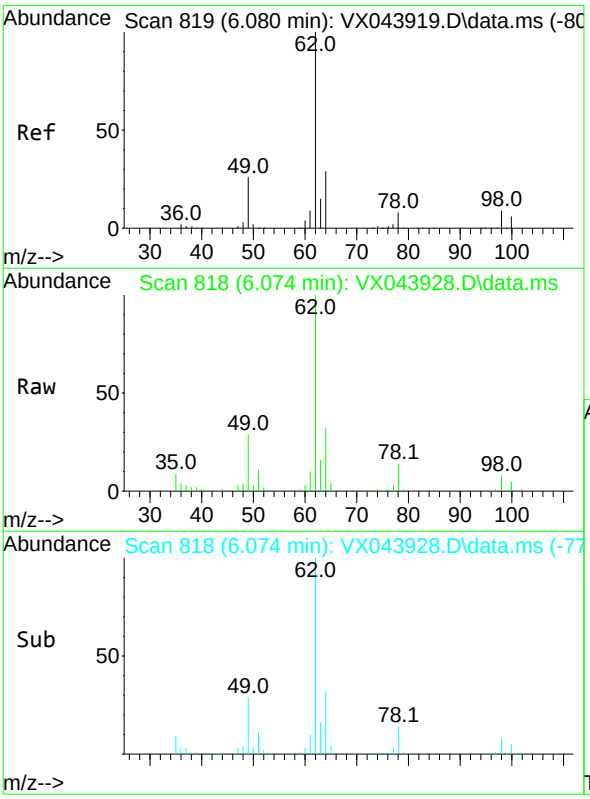
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.1 | 41.2 | 61.8 |
| 67 | 69.8 | 60.3 | 90.5 |
| 52 | 30.0 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

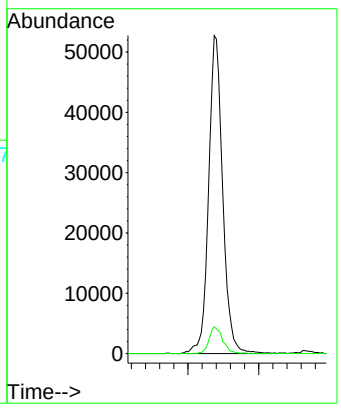
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

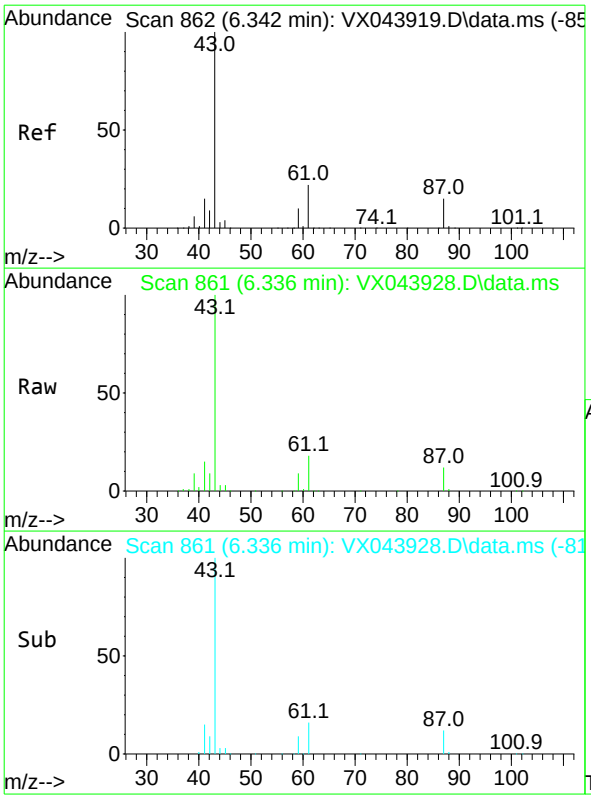



#42
1,2-Dichloroethane
Concen: 63.109 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 18.6 |

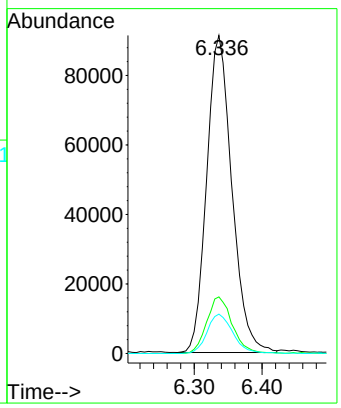





#43
Isopropyl Acetate
Concen: 65.697 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 235856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 16.9 | 25.3 |
| 87 | 12.7 | 11.9 | 17.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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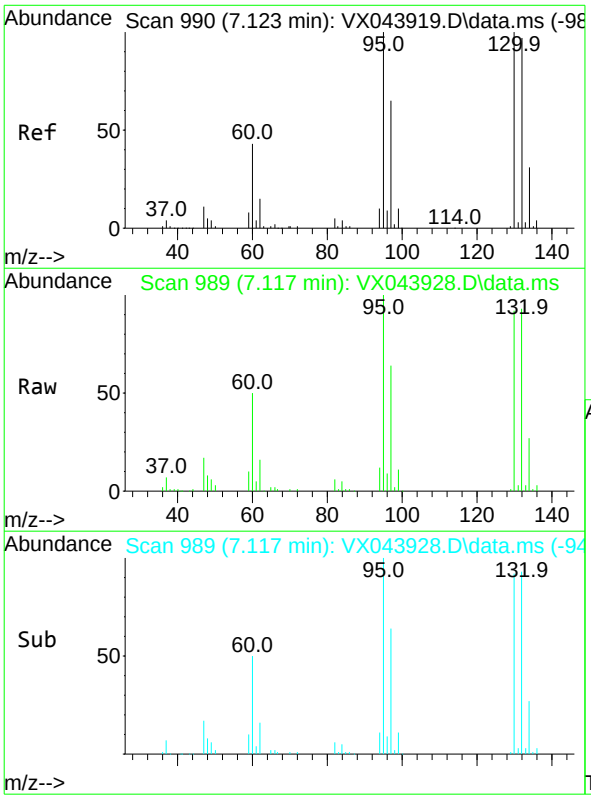
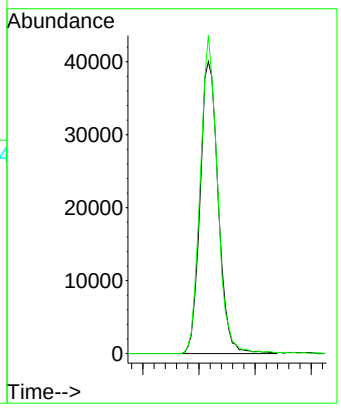
Supervised By :Mahesh Dadoda 11/22/2024

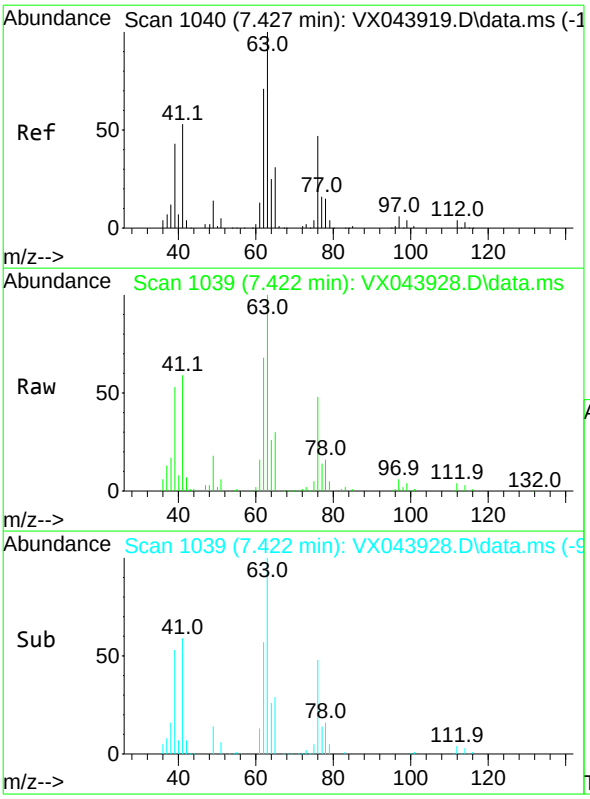



#44
Trichloroethene
Concen: 51.360 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.9 | 0.0 | 200.8 |

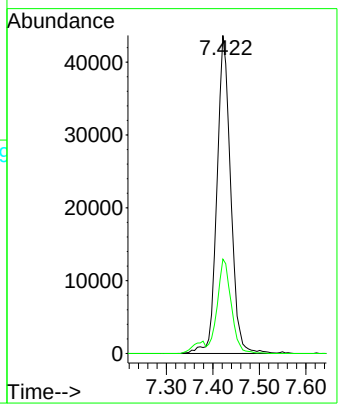





#45
1,2-Dichloropropane
Concen: 57.459 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 89529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.7 | 24.5 | 36.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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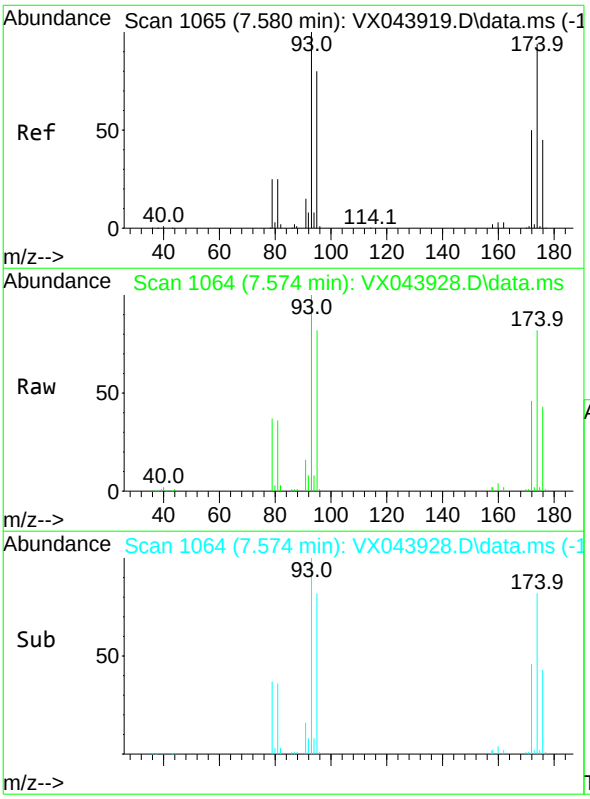
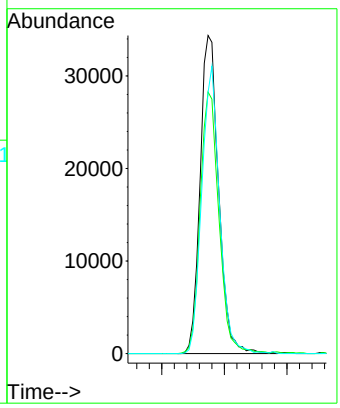
Supervised By :Mahesh Dadoda 11/22/2024

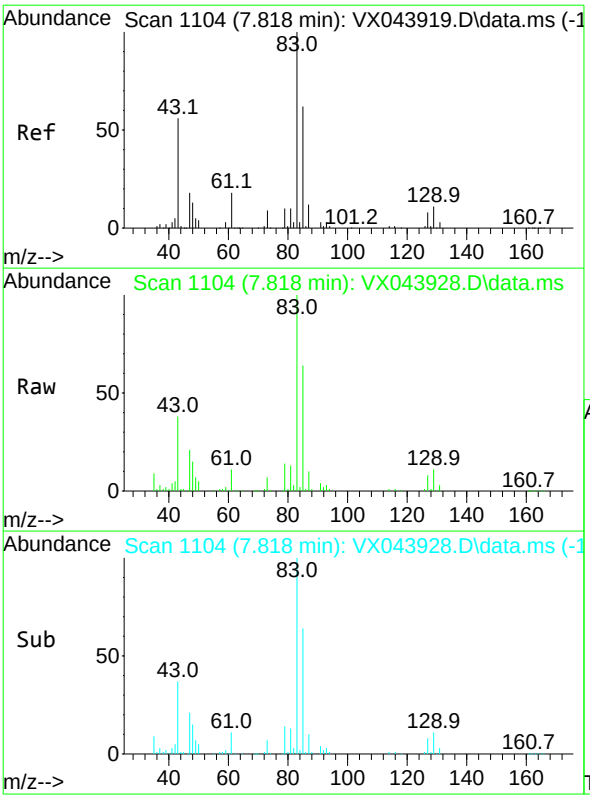



#46
Dibromomethane
Concen: 60.196 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 66.1 | 99.1 |
| 174 | 87.0 | 75.2 | 112.8 |

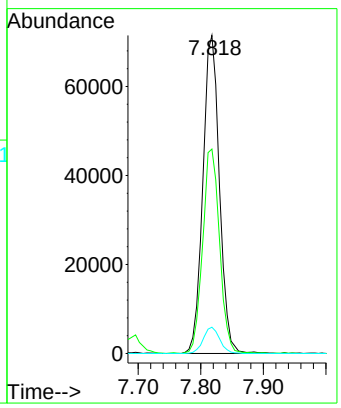





#47
Bromodichloromethane
Concen: 63.678 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 131365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 49.4 | 74.0 |
| 127 | 8.3 | 6.2 | 9.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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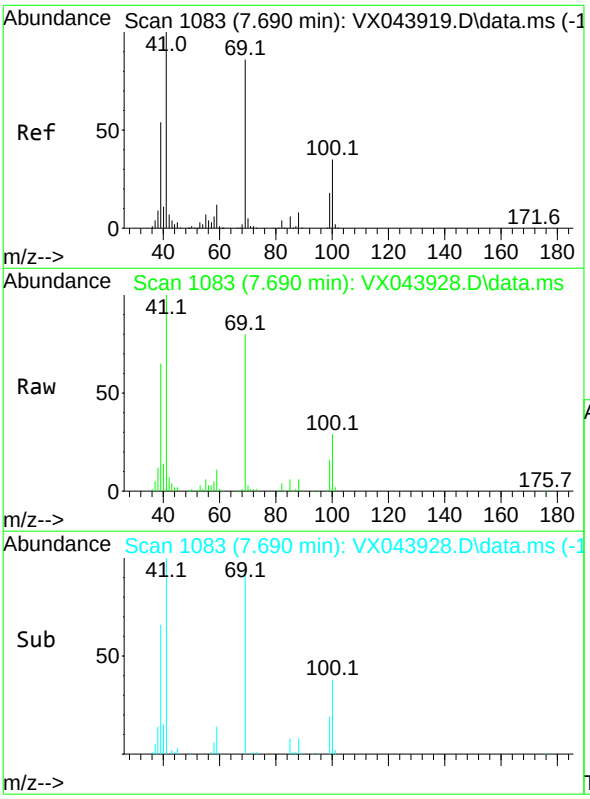
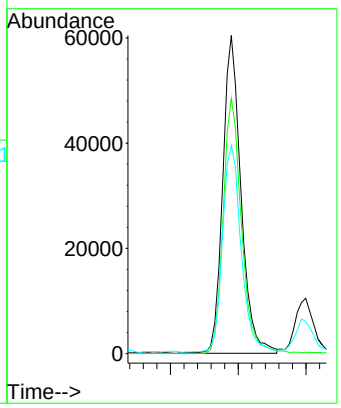
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

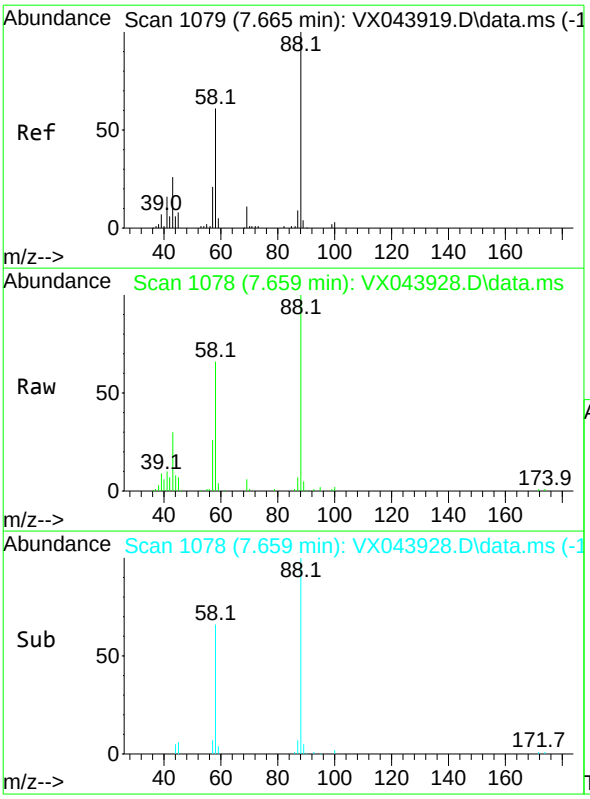



#48
Methyl methacrylate
Concen: 63.393 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.8 | 72.1 | 108.1 |
| 39 | 66.6 | 43.8 | 65.8# |

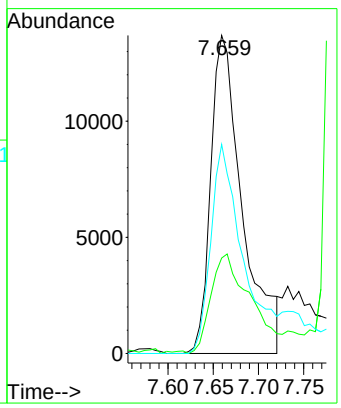





#49
1,4-Dioxane
Concen: 881.301 ug/l
RT: 7.659 min Scan# 10
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 88 Resp: 33402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 17.4 | 26.0# |
| 58 | 66.8 | 41.0 | 61.6# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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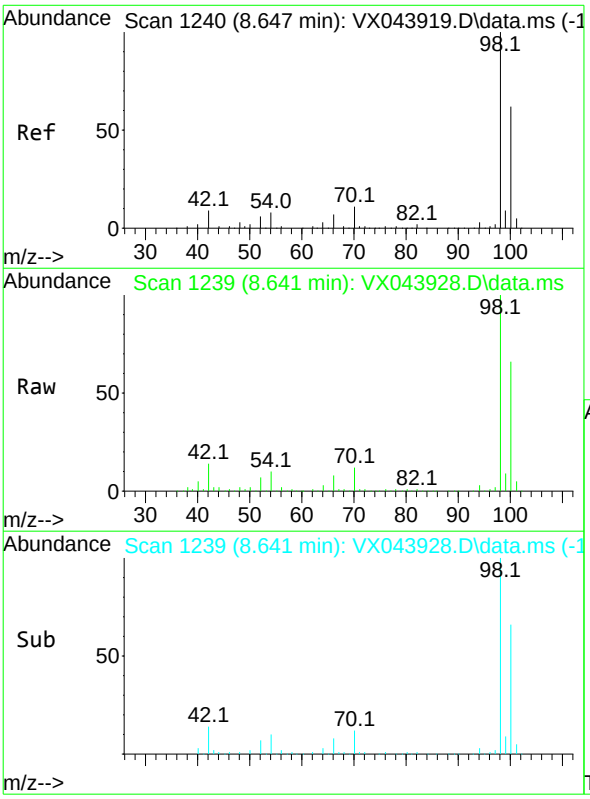
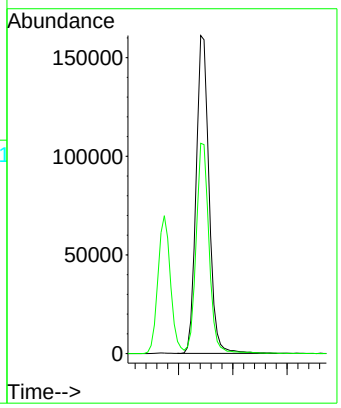
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

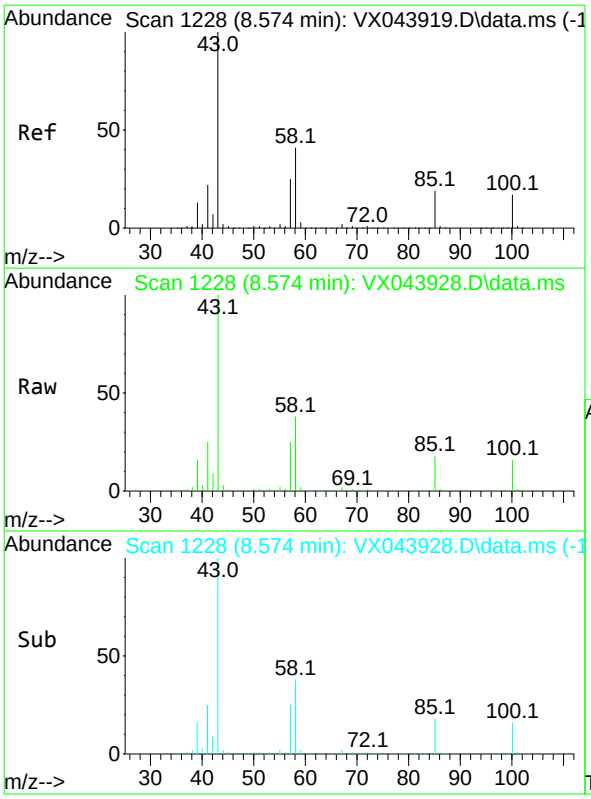



#50
Toluene-d8
Concen: 49.194 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.8 | 53.0 | 79.6 |

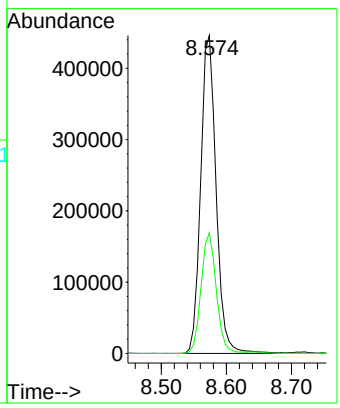





#51
4-Methyl-2-Pentanone
Concen: 327.265 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 732582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 32.4 | 48.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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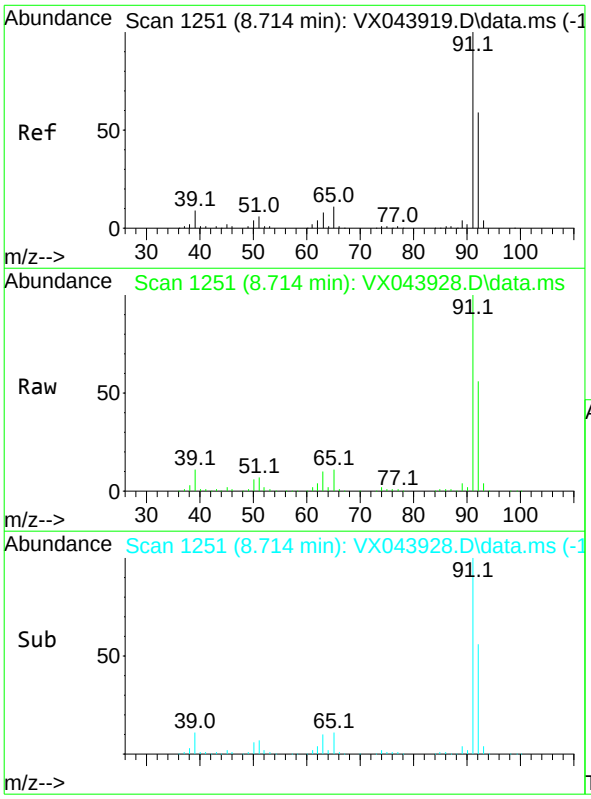
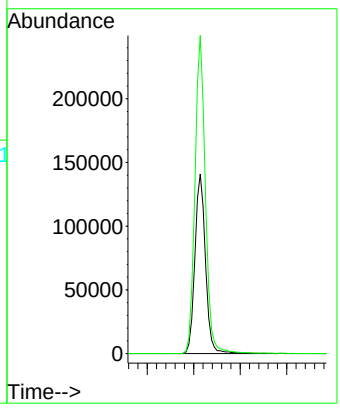
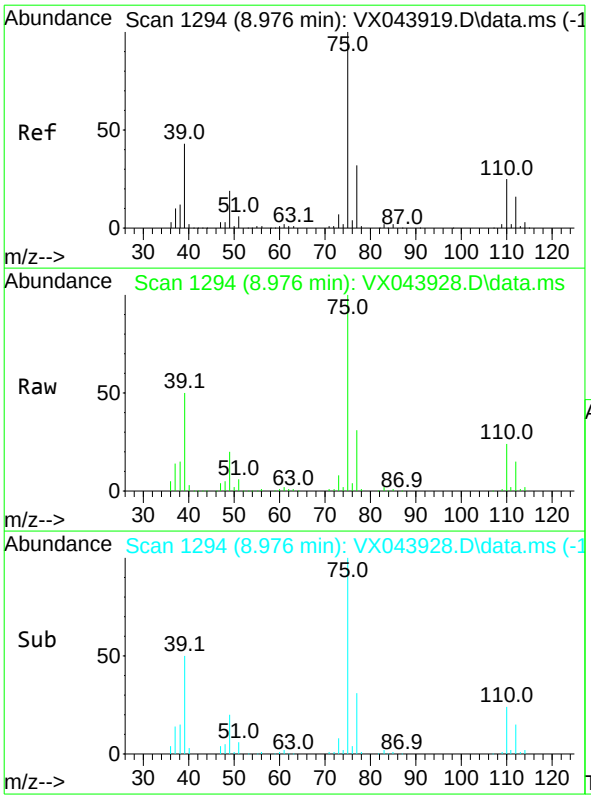



#52
Toluene
Concen: 60.664 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 136.2 | 204.4 |

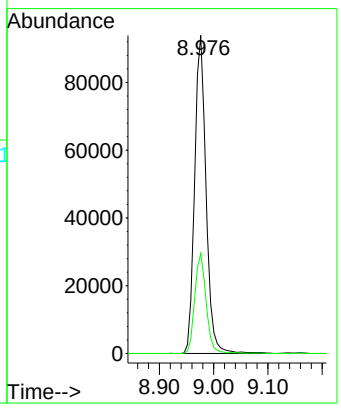





#53
t-1,3-Dichloropropene
Concen: 65.667 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 137451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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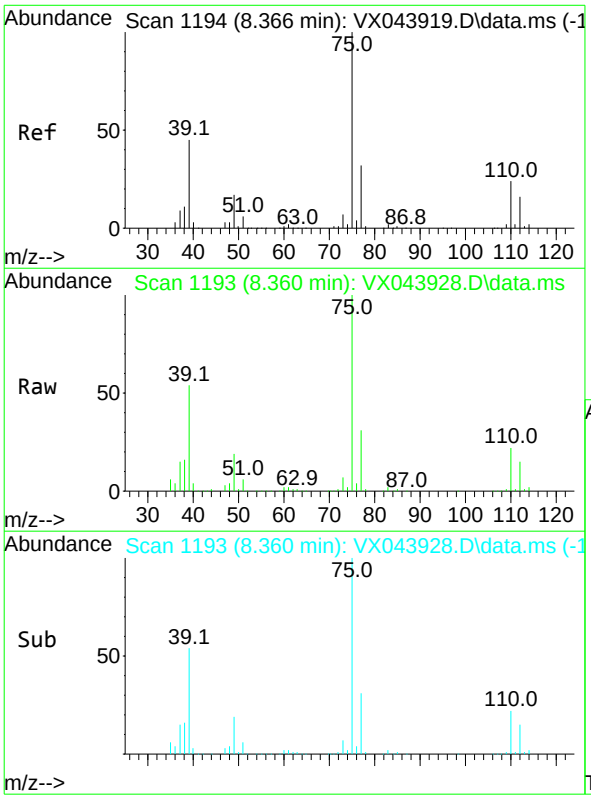
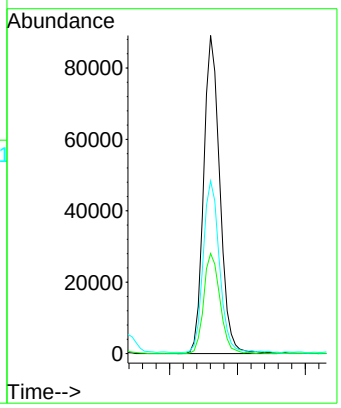
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

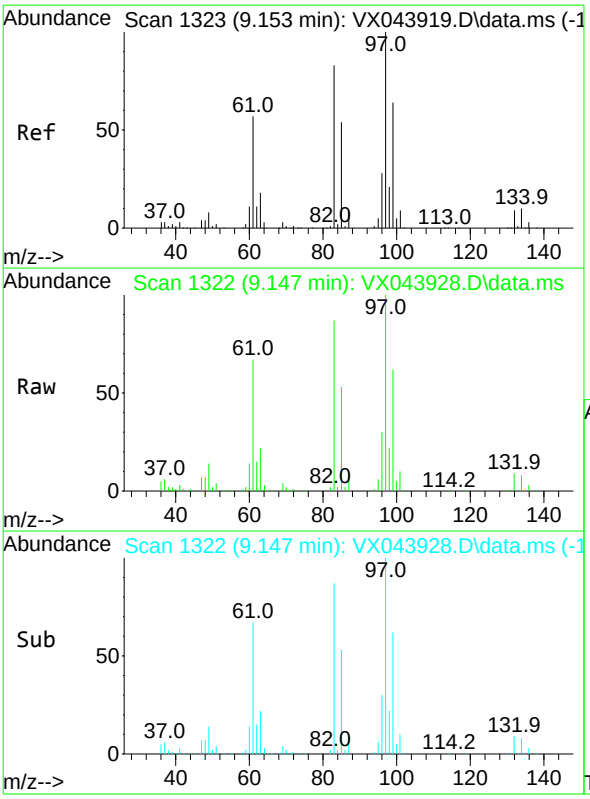



#54
cis-1,3-Dichloropropene
Concen: 62.243 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.2 |
| 39 | 53.9 | 36.1 | 54.1 |

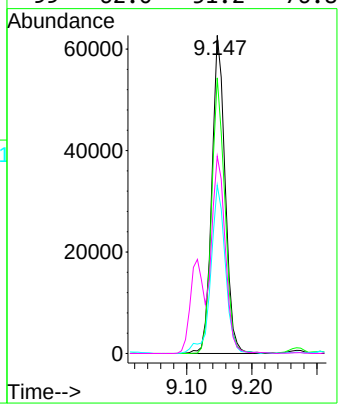





#55
1,1,2-Trichloroethane
Concen: 62.501 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 89441

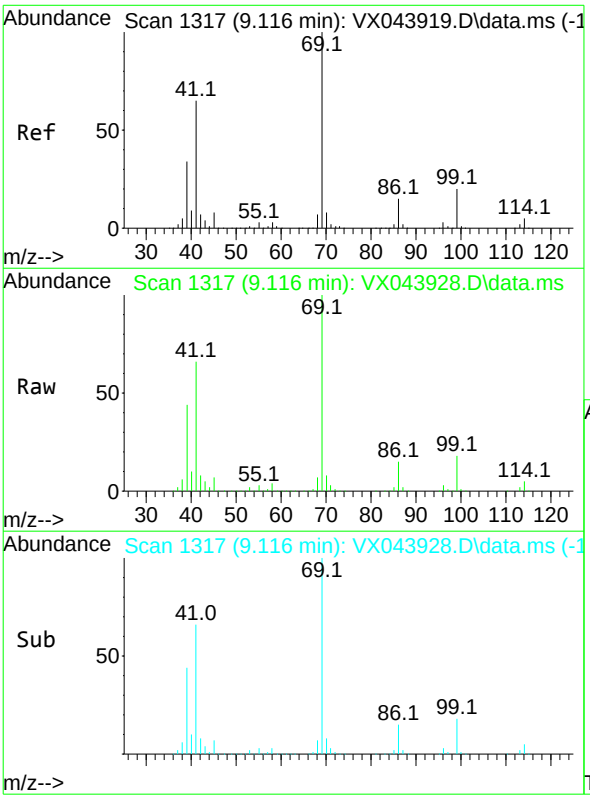
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.7 | 66.5 | 99.7 |
| 85 | 52.9 | 43.4 | 65.2 |
| 99 | 62.0 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

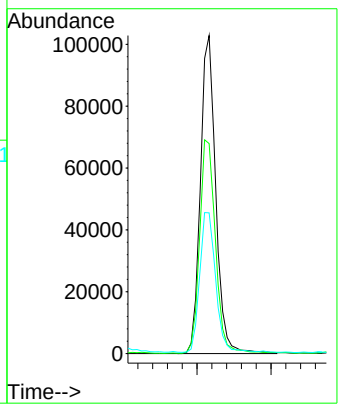
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

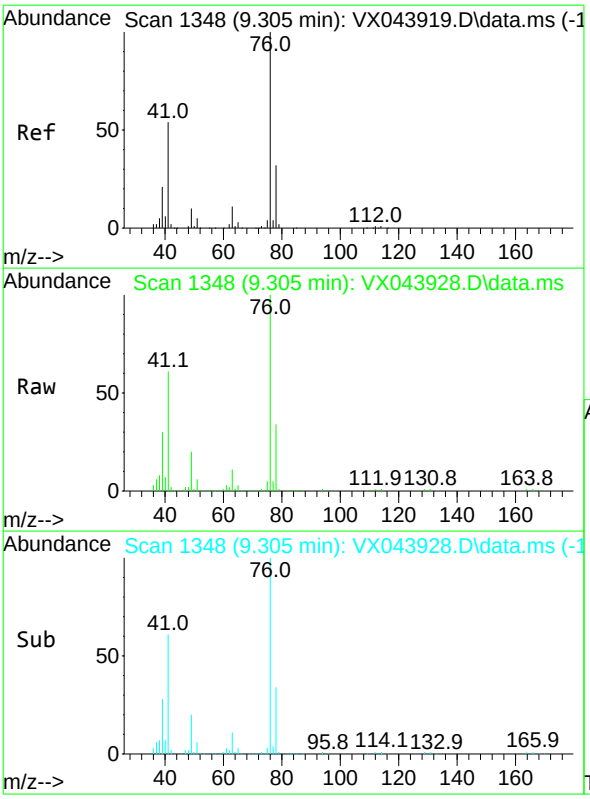



#56
Ethyl methacrylate
Concen: 65.443 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 51.7 | 77.5 |
| 39 | 45.9 | 26.8 | 40.2# |

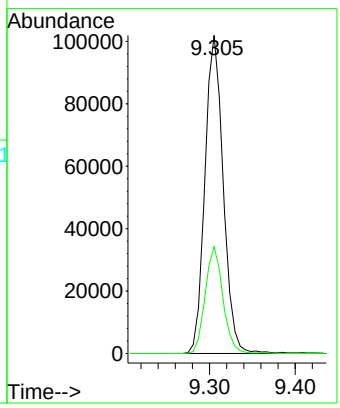





#57
1,3-Dichloropropane
Concen: 63.034 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 76 Resp: 151124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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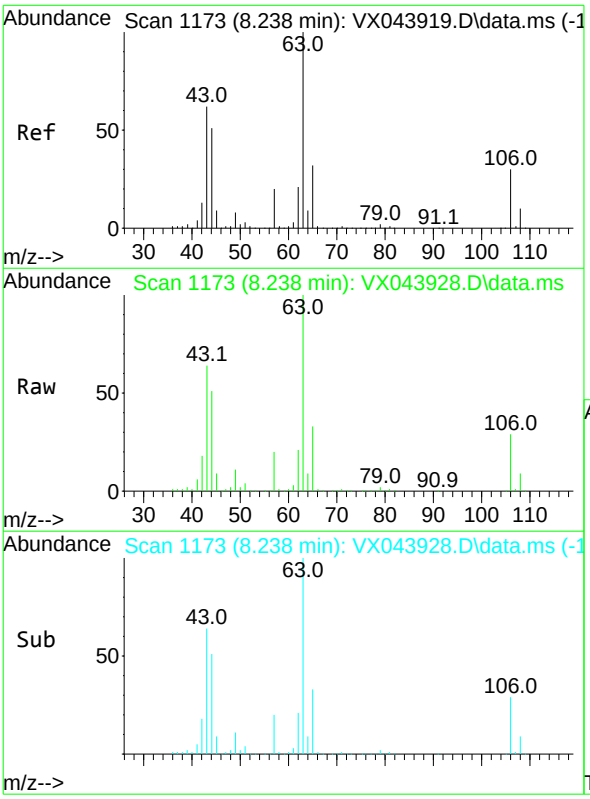
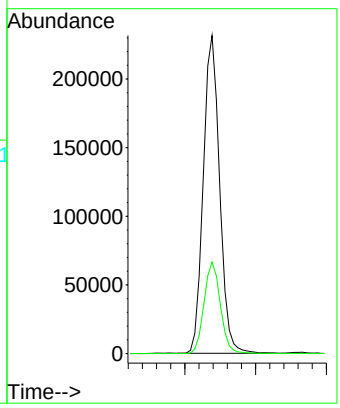
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

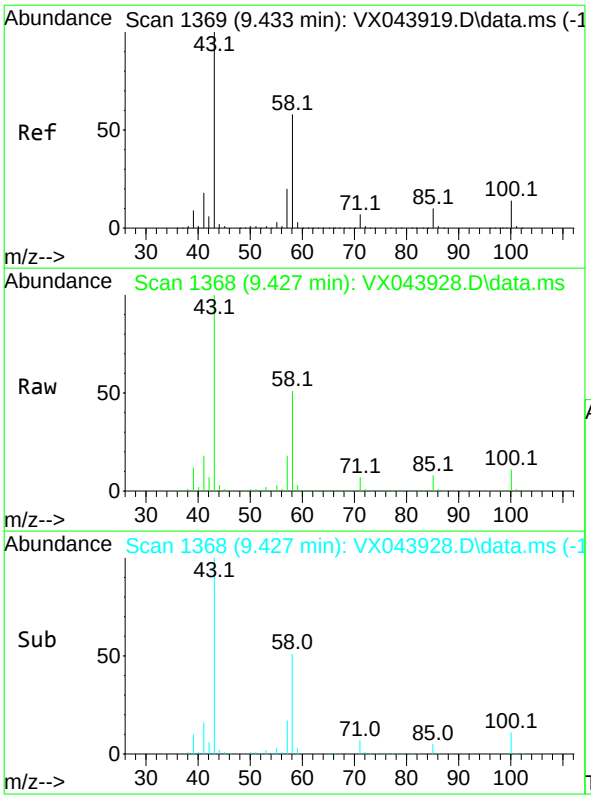



#58
2-Chloroethyl Vinyl ether
Concen: 312.467 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.8 | 23.8 | 35.6 |






#59
2-Hexanone
Concen: 359.925 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 568460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 28.3 | 84.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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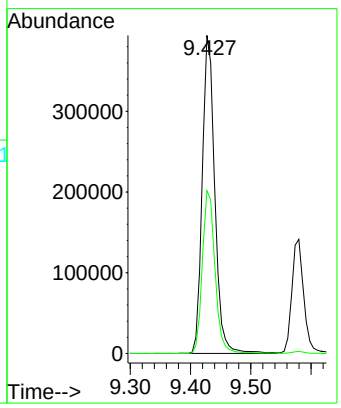
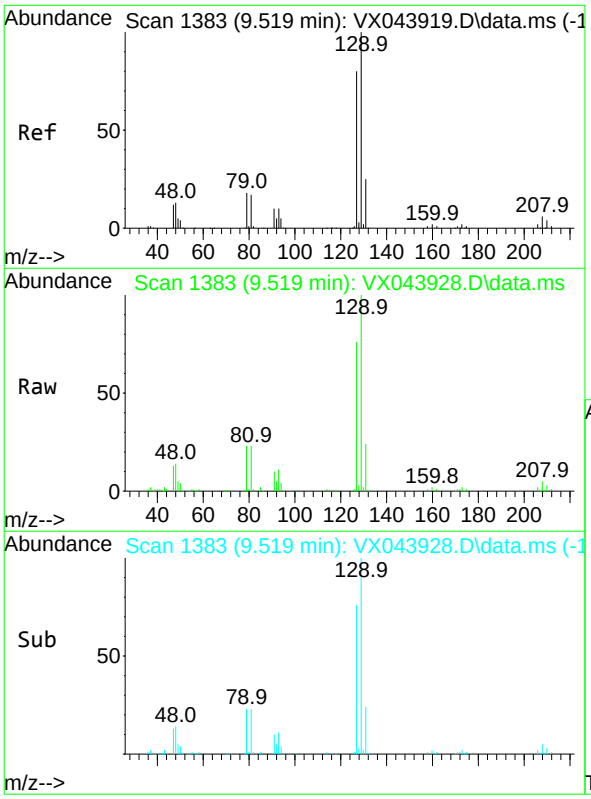
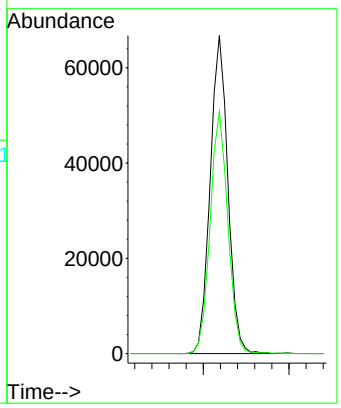


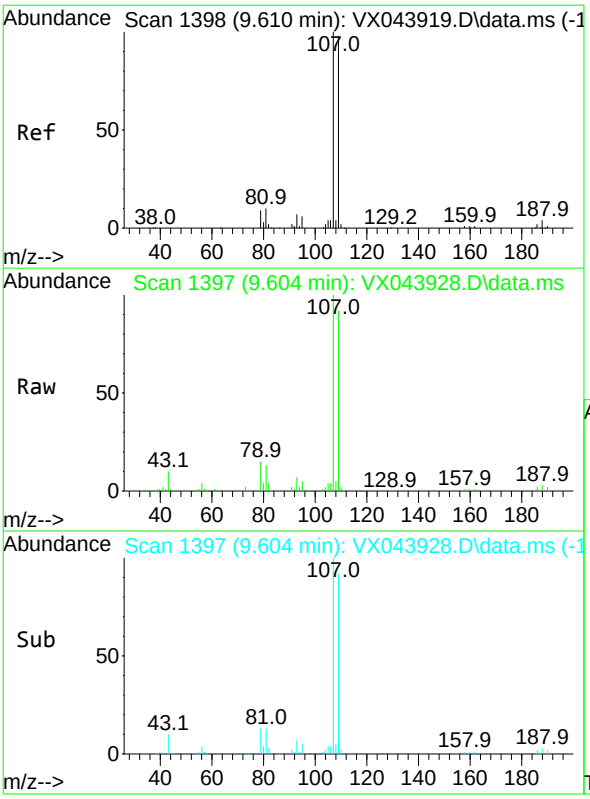




#60
Dibromochloromethane
Concen: 68.588 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.4 | 38.6 | 115.8 |

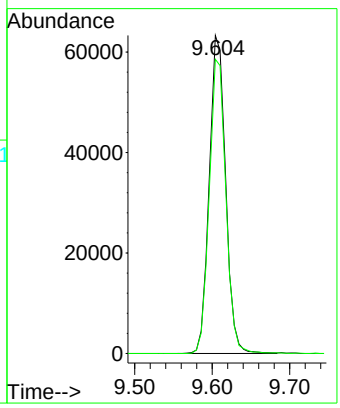





#61
1,2-Dibromoethane
Concen: 62.263 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:107 Resp: 92940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 76.2 | 114.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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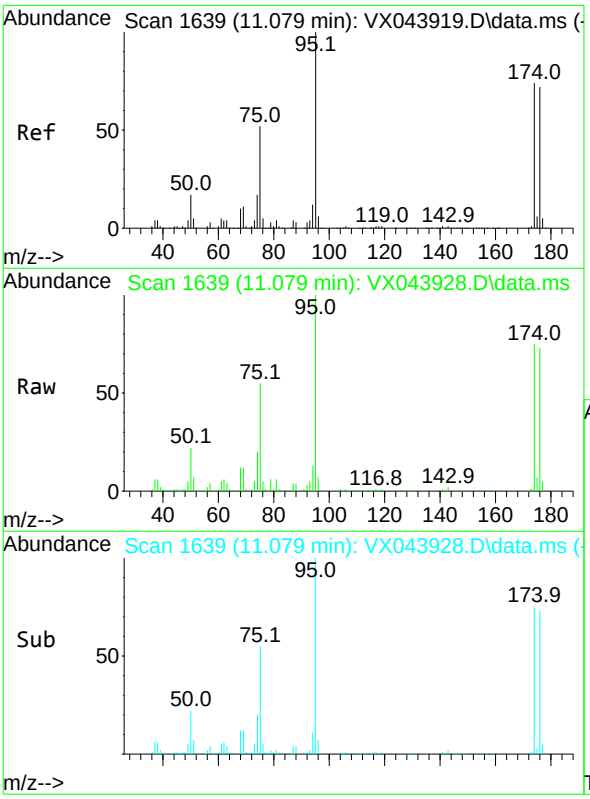
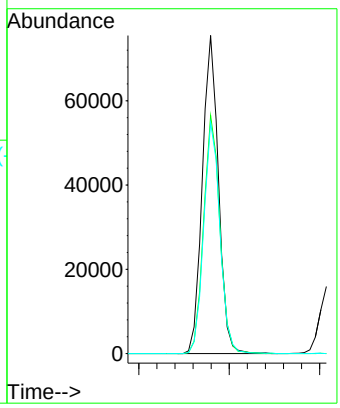
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

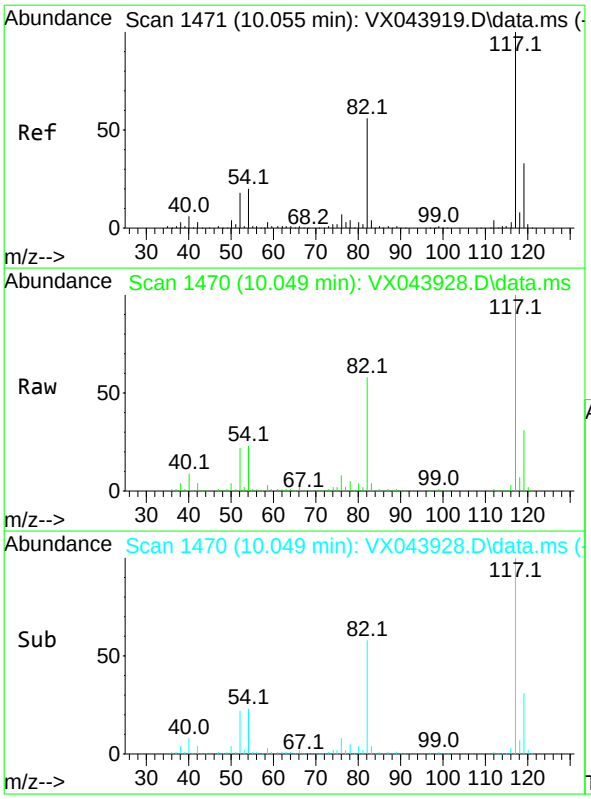



#62
4-Bromofluorobenzene
Concen: 52.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 152.2 |
| 176 | 73.0 | 0.0 | 145.8 |

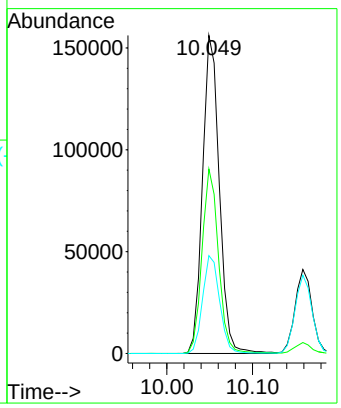





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 212243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 44.6 | 67.0 |
| 119 | 30.8 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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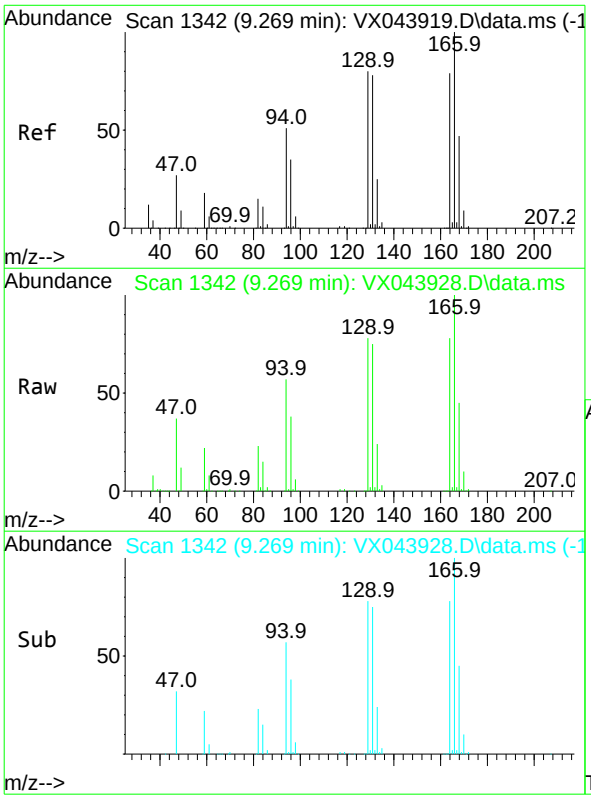
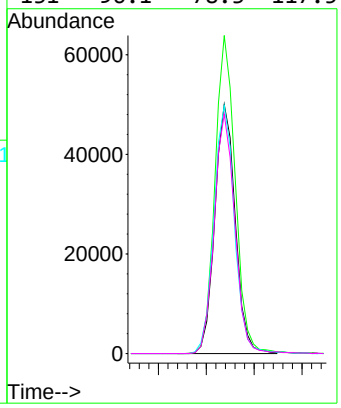
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

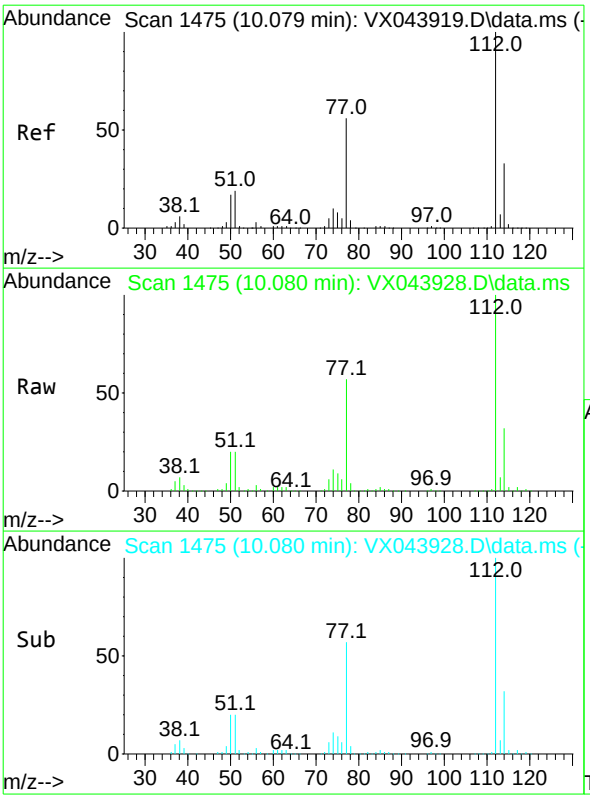



#64
Tetrachloroethene
Concen: 54.472 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.6 | 100.9 | 151.3 |
| 129 | 99.5 | 80.3 | 120.5 |
| 131 | 96.1 | 78.3 | 117.5 |

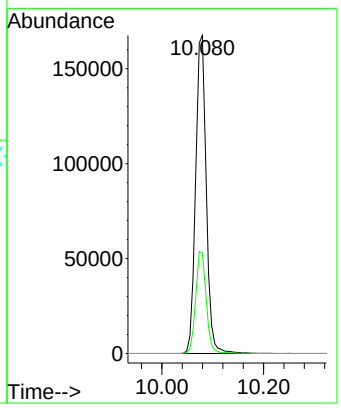





#65
Chlorobenzene
Concen: 54.828 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:112 Resp: 243080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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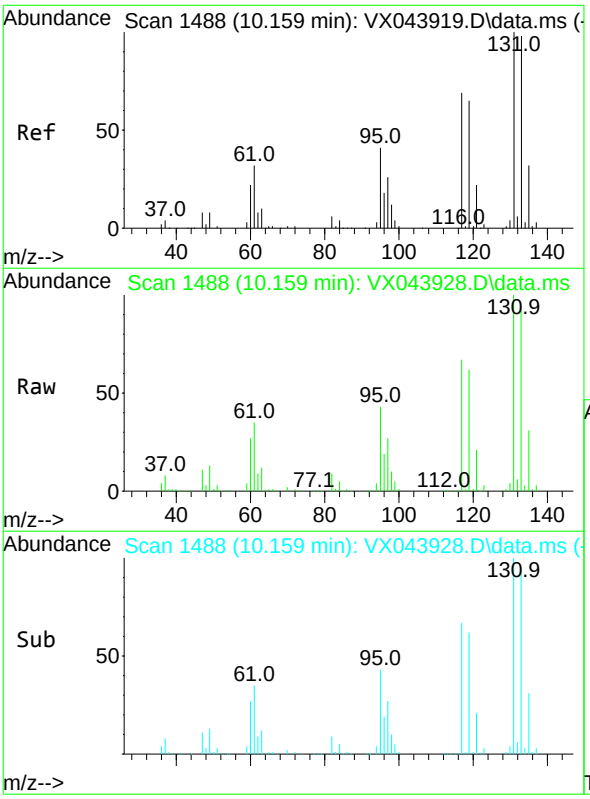
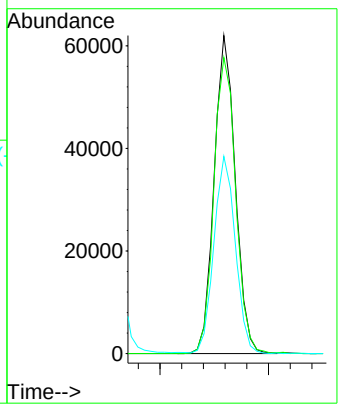
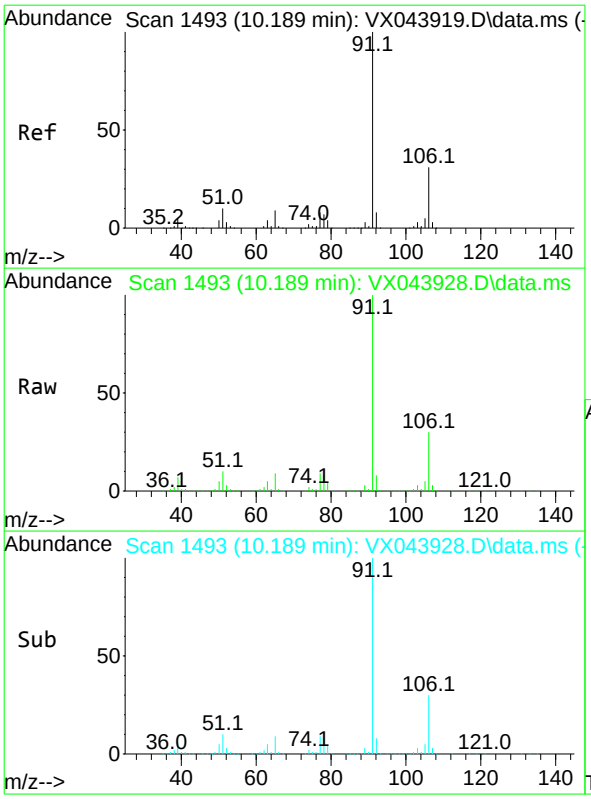



#66
1,1,1,2-Tetrachloroethane
Concen: 56.885 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.4 | 48.8 | 146.3 |
| 119 | 63.0 | 32.9 | 98.7 |






#67
Ethyl Benzene
Concen: 57.573 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 429559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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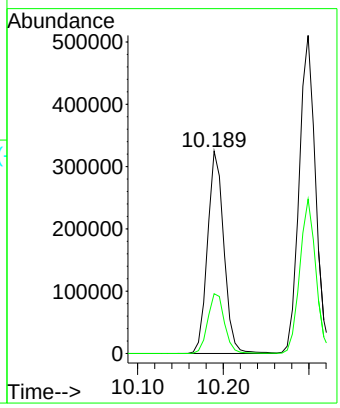
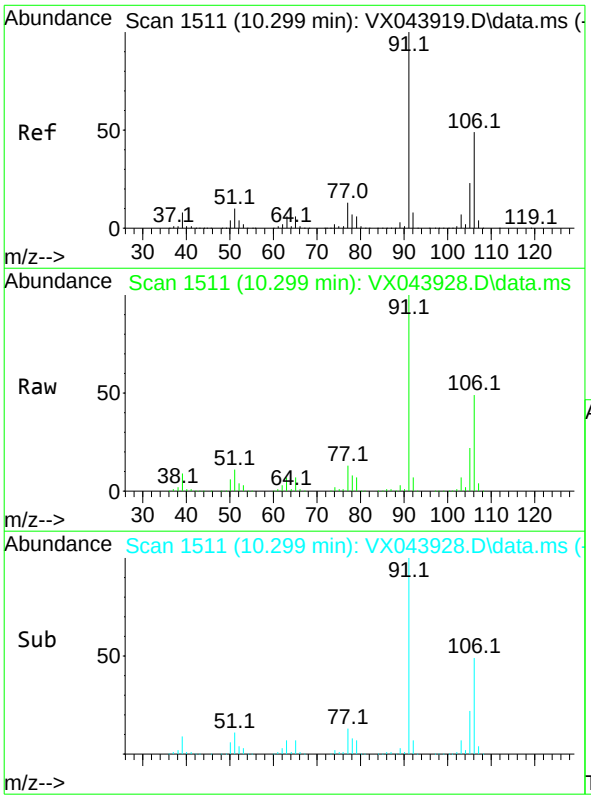
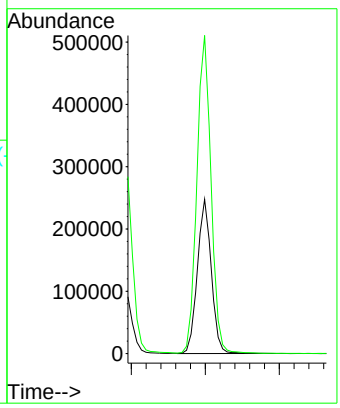


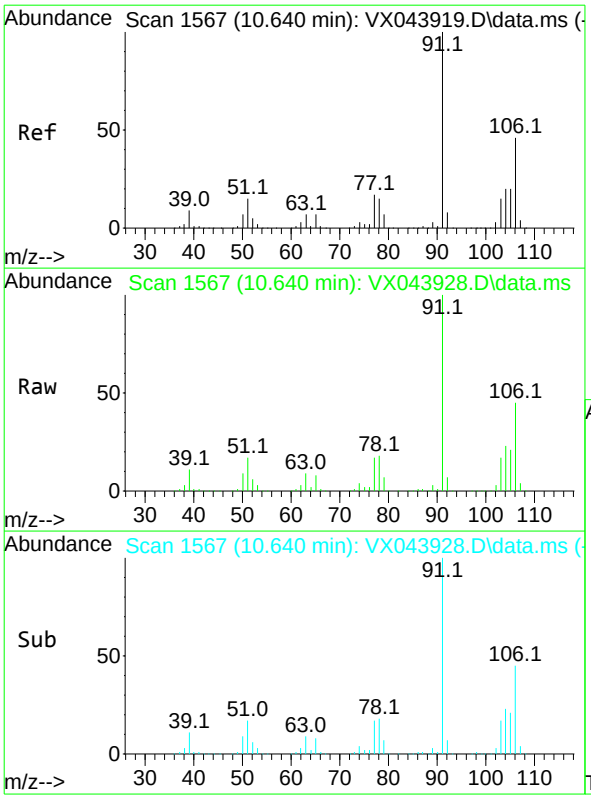




#68
m/p-Xylenes
Concen: 116.466 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 163.3 | 244.9 |

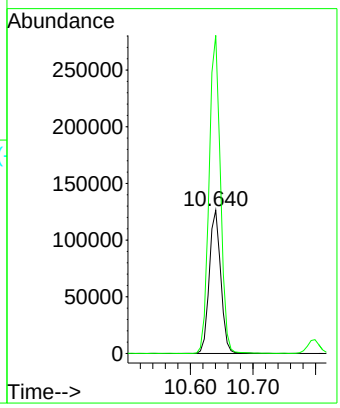





#69
o-Xylene
Concen: 59.245 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 160643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.4 | 109.6 | 328.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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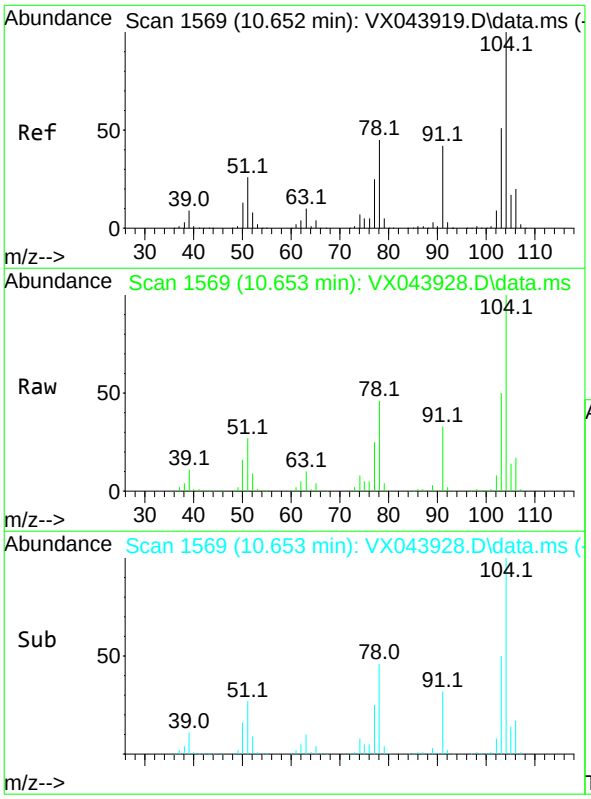
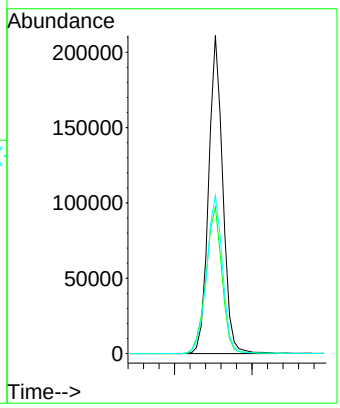
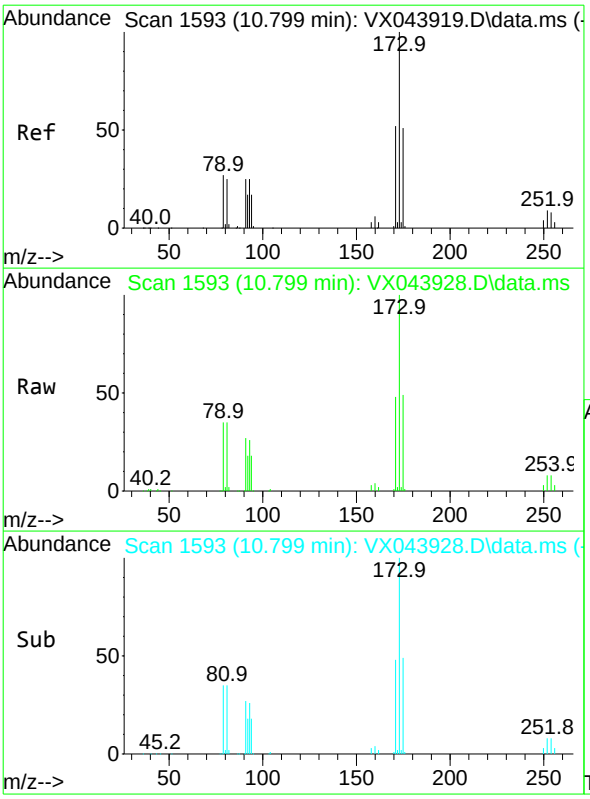



#70
Styrene
Concen: 59.974 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.7 | 40.3 | 60.5 |
| 103 | 55.9 | 43.9 | 65.9 |

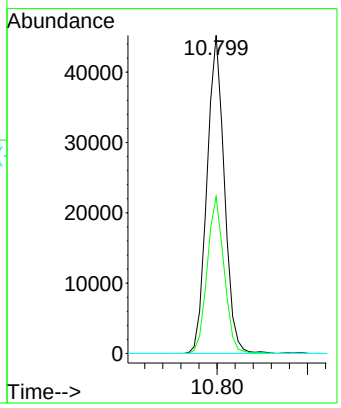





#71
Bromoform
Concen: 62.587 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:173 Resp: 60267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.6 | 73.8 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

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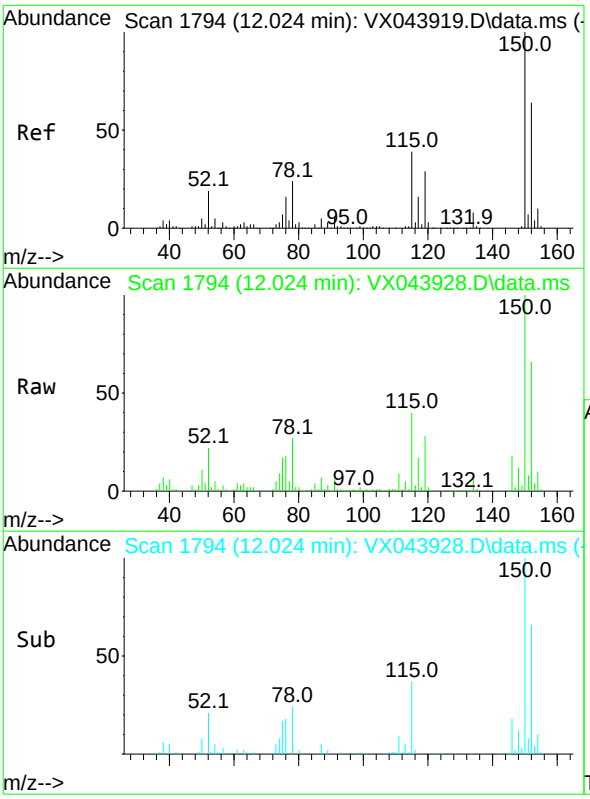
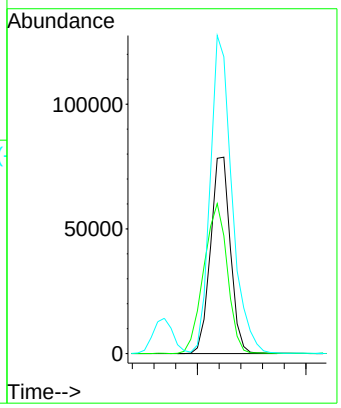
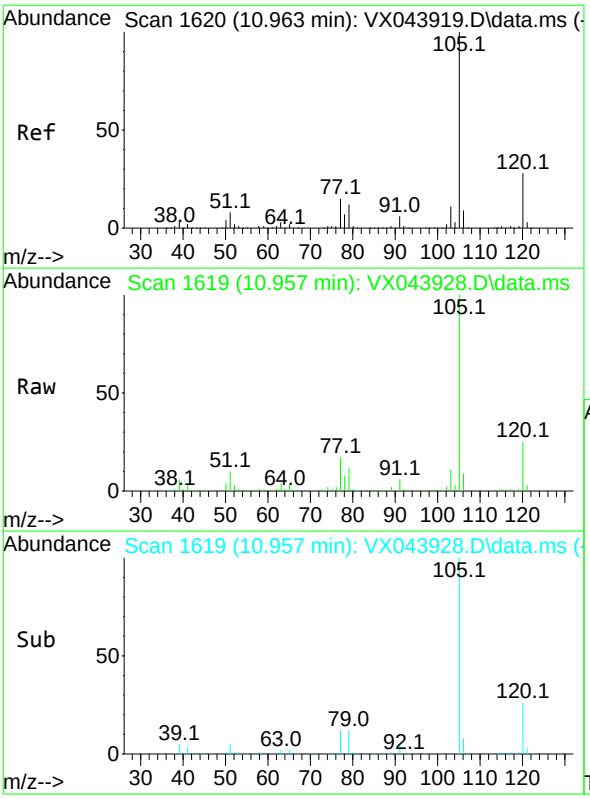



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.8 | 42.1 | 126.3 |
| 150 | 176.5 | 0.0 | 348.2 |

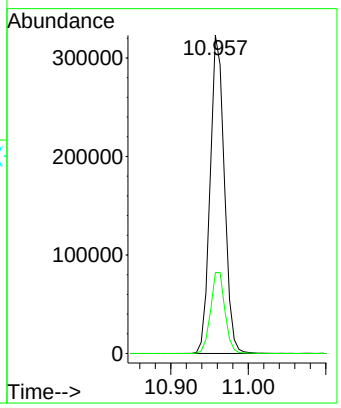





#73
Isopropylbenzene
Concen: 57.397 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 411000

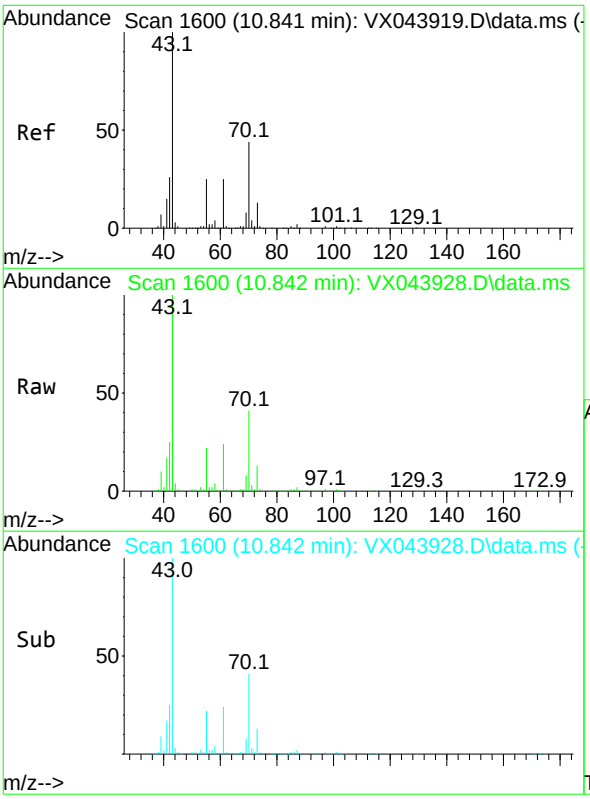
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.3 | 39.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

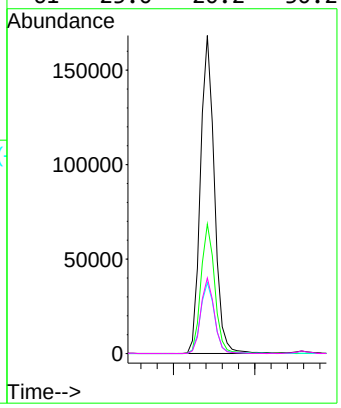
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

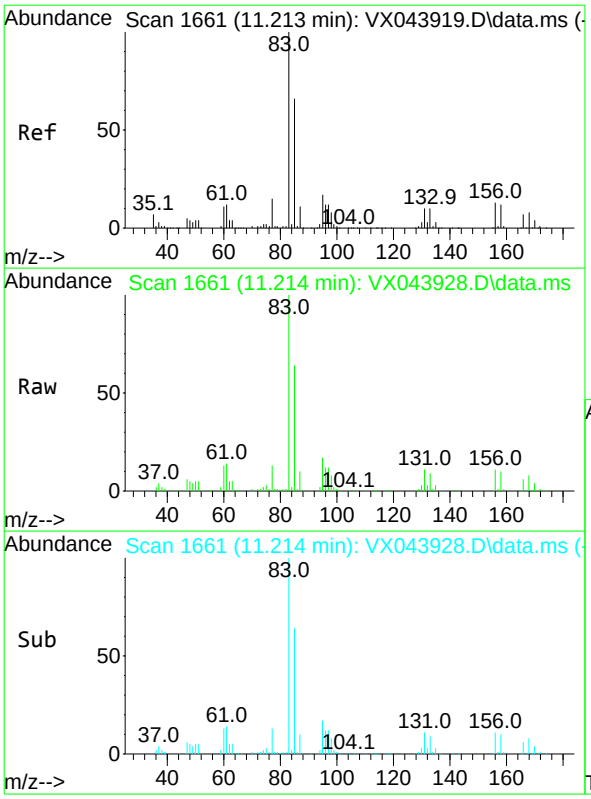



#74
N-amyl acetate
Concen: 62.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 36.5 | 54.7 |
| 55 | 22.6 | 19.6 | 29.4 |
| 61 | 23.0 | 20.2 | 30.2 |

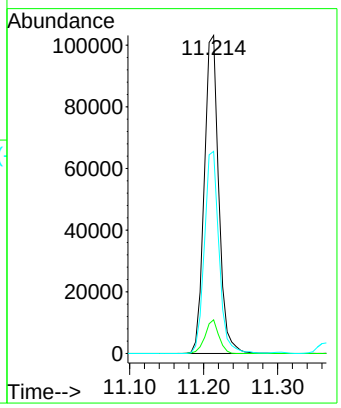





#75
1,1,2,2-Tetrachloroethane
Concen: 57.726 ug/l
RT: 11.214 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 139756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.3 |
| 85 | 64.4 | 32.3 | 96.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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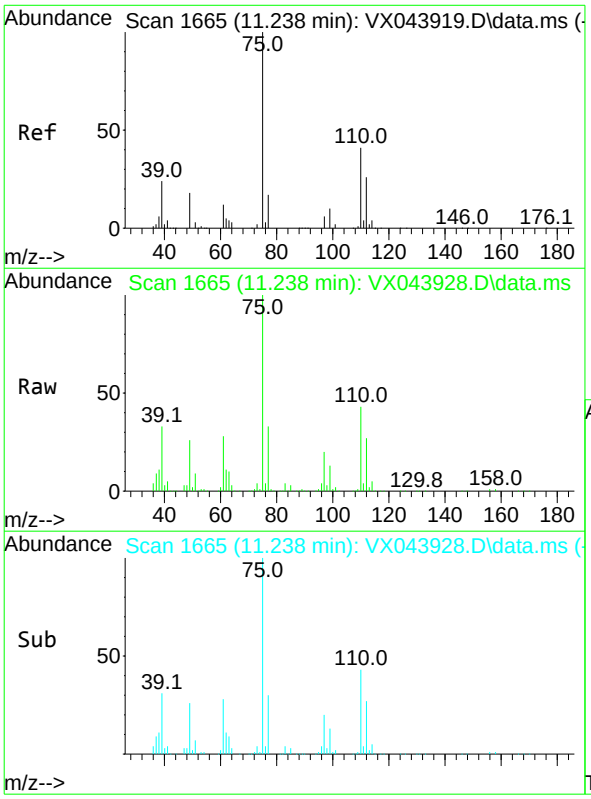
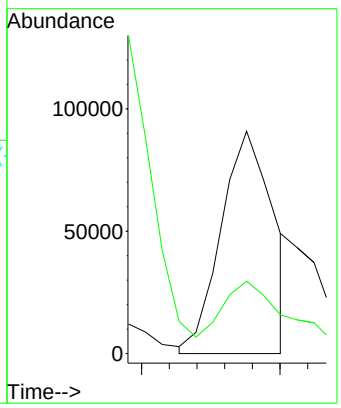
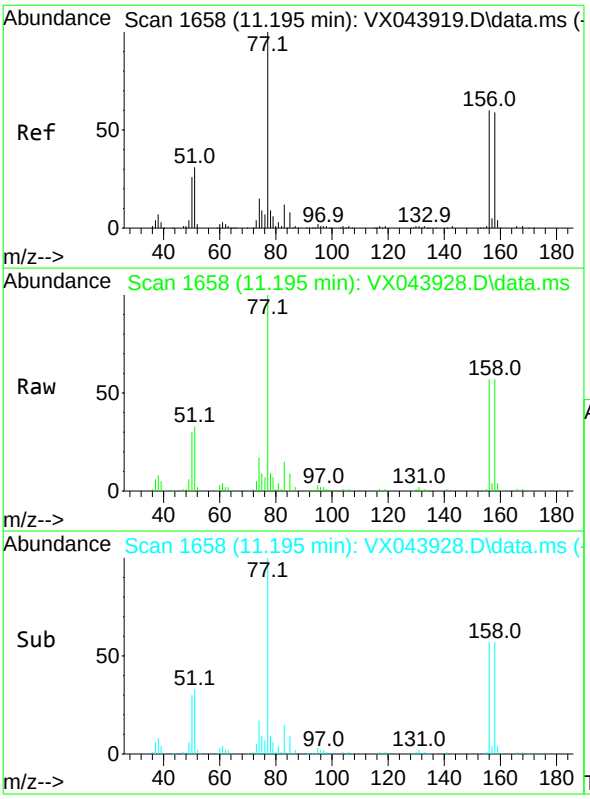



#76
1,2,3-Trichloropropane
Concen: 57.858 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 118450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.5 | 22.4 | 67.0 |

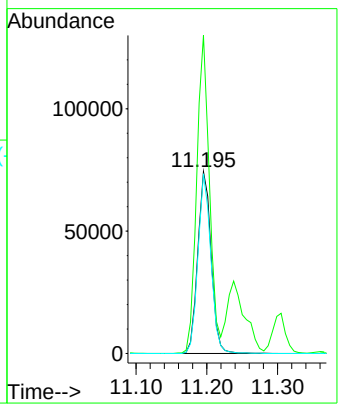





#77
Bromobenzene
Concen: 55.706 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:156 Resp: 97761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.7 | 81.2 | 243.6 |
| 158 | 95.2 | 48.6 | 145.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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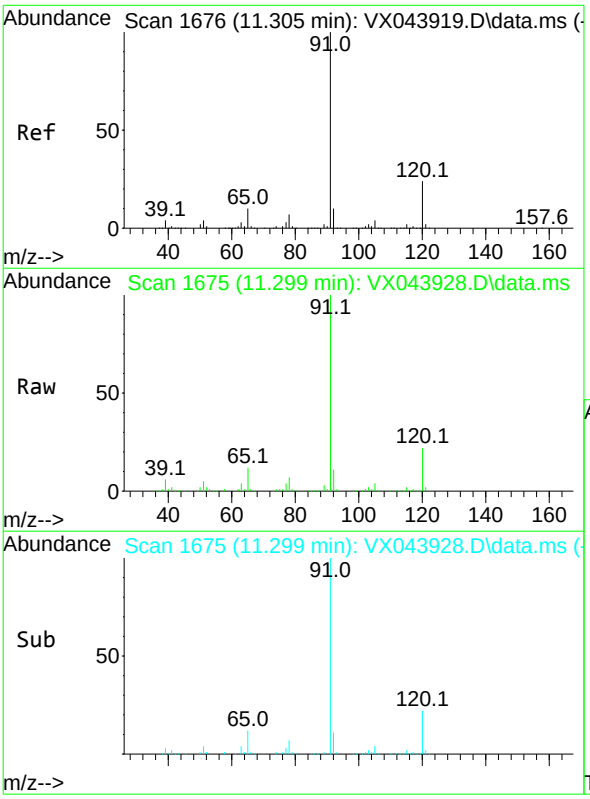
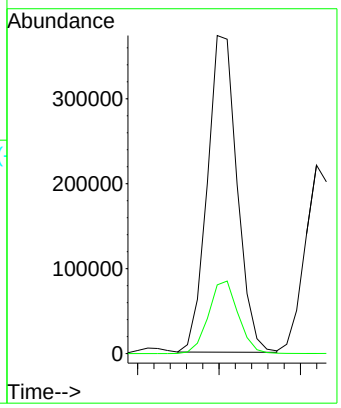
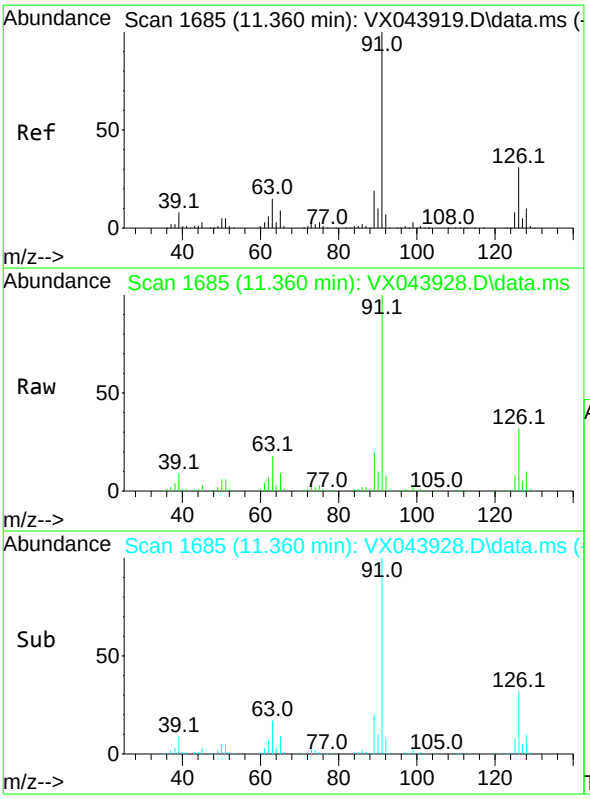



#78
n-propylbenzene
Concen: 60.094 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.5 | 34.5 |

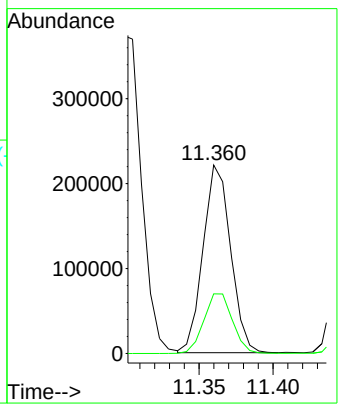





#79
2-Chlorotoluene
Concen: 57.018 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 286649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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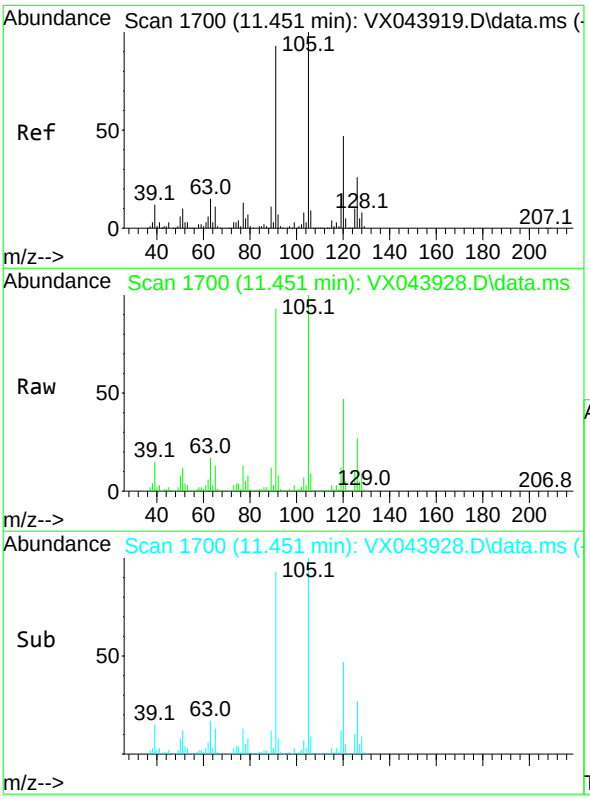
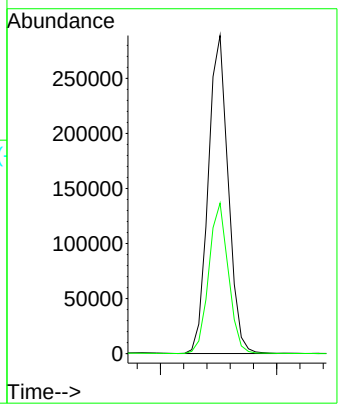
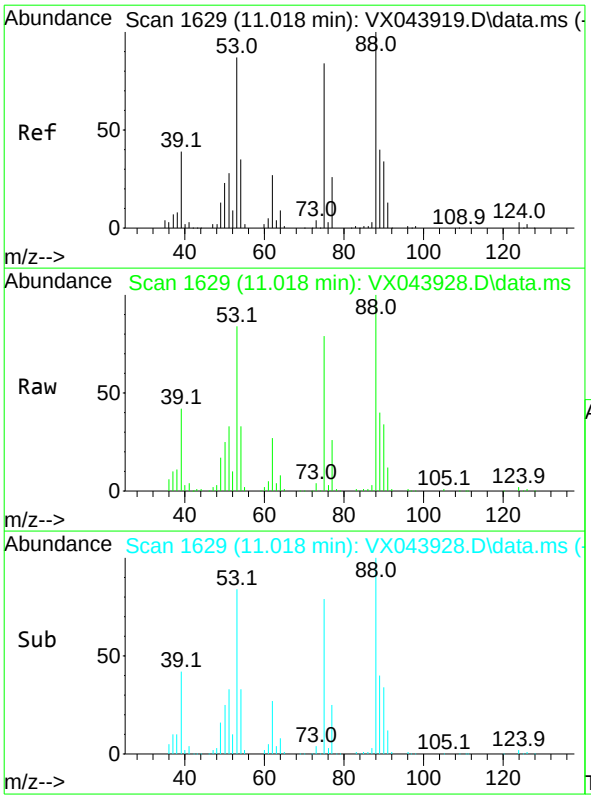



#80
1,3,5-Trimethylbenzene
Concen: 58.215 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.5 | 23.8 | 71.5 |






#81
trans-1,4-Dichloro-2-butene
Concen: 61.129 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 44450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.4 | 81.7 | 122.5 |
| 89 | 47.7 | 38.6 | 57.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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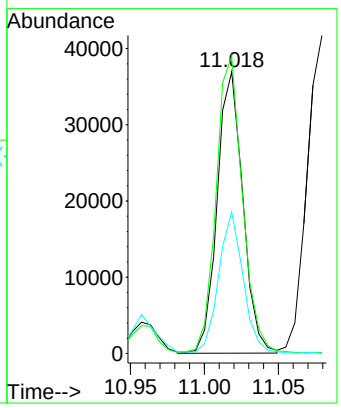
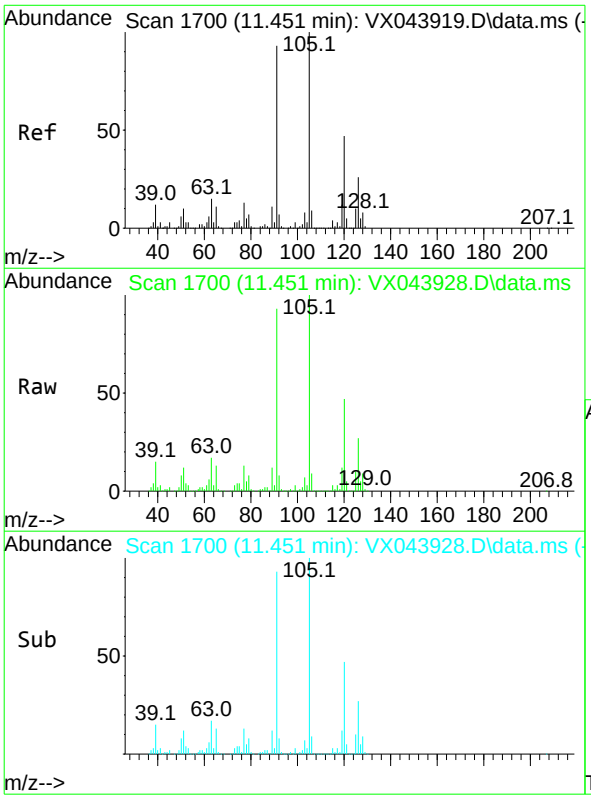
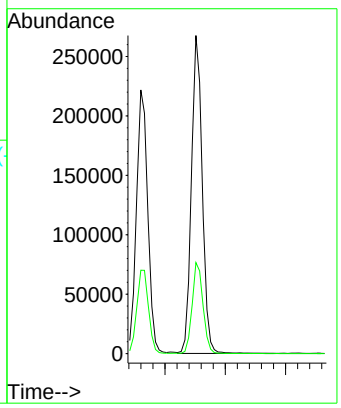


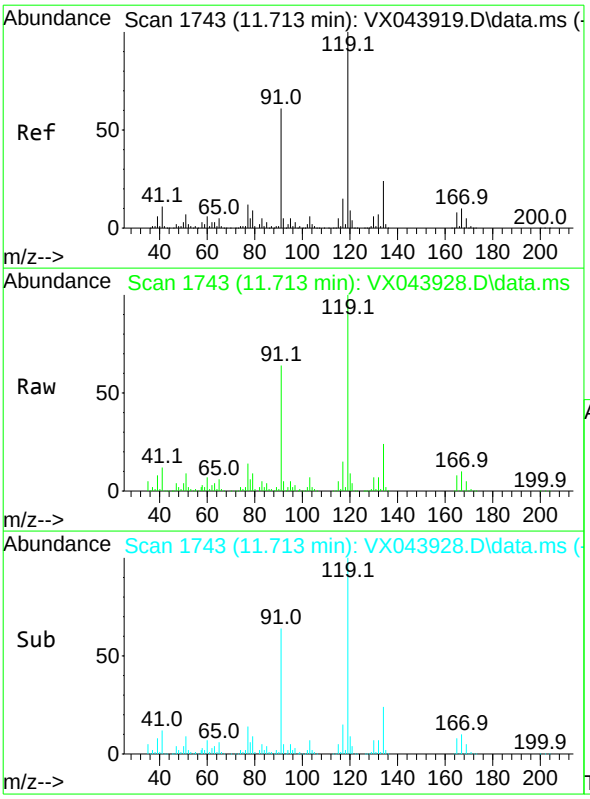




#82
4-Chlorotoluene
Concen: 57.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.4 | 43.2 |

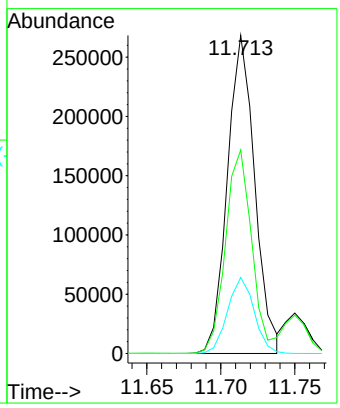





#83
tert-Butylbenzene
Concen: 56.841 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 345112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.0 | 29.5 | 88.6 |
| 134 | 23.2 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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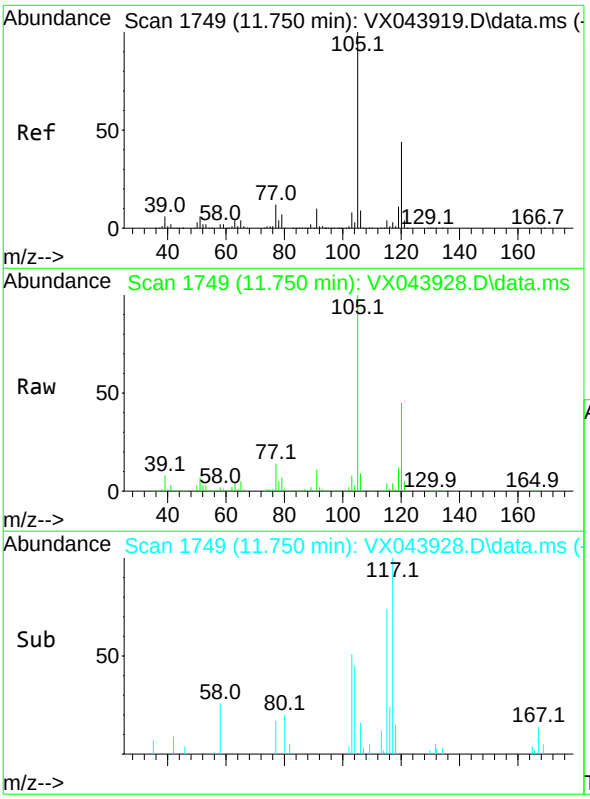
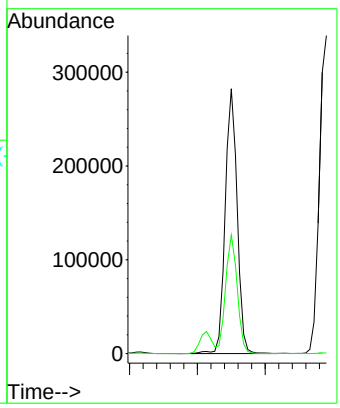
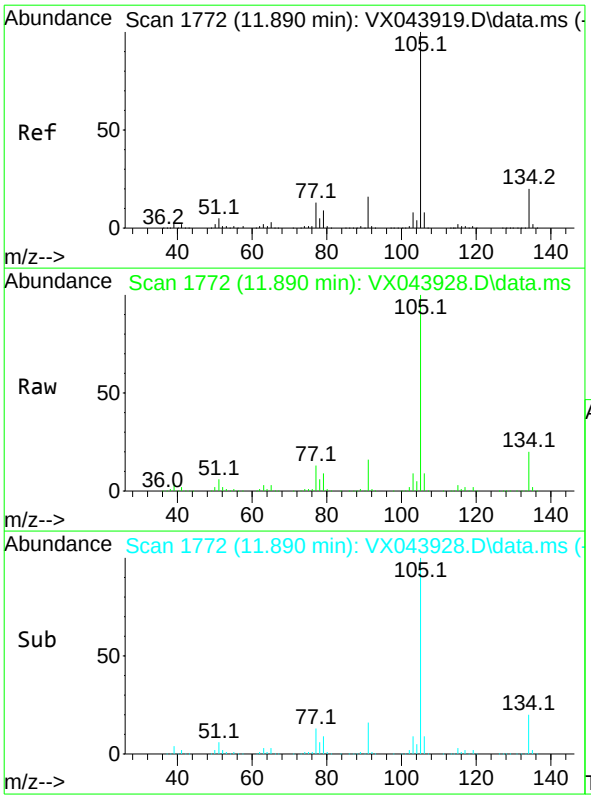



#84
1,2,4-Trimethylbenzene
Concen: 57.254 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.7 | 65.1 |

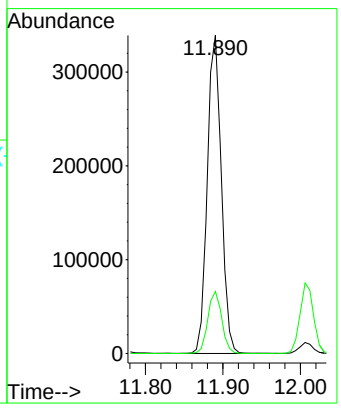





#85
sec-Butylbenzene
Concen: 58.794 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 426284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 10.0 | 29.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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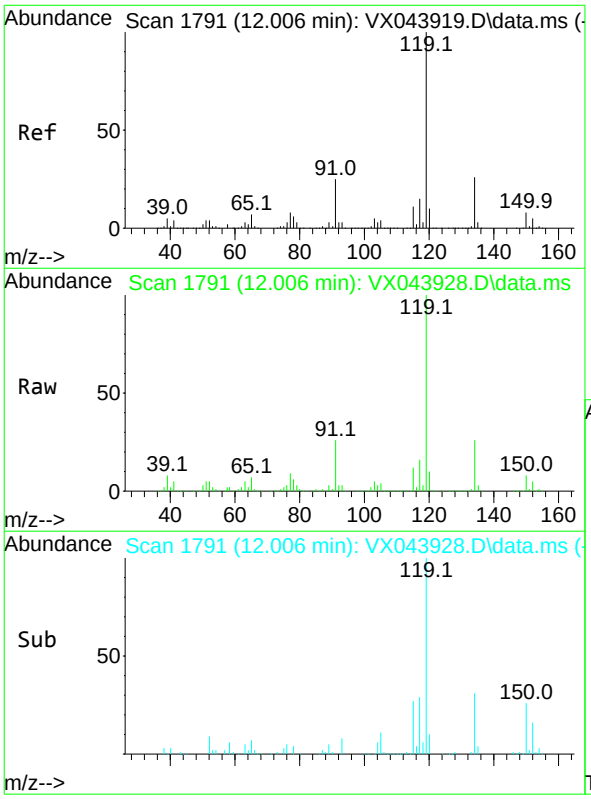
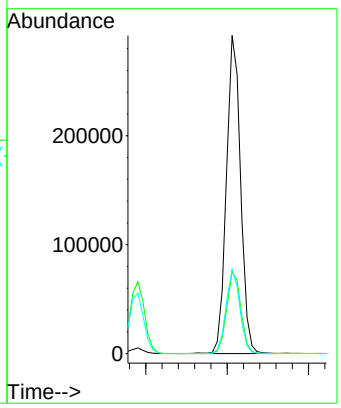
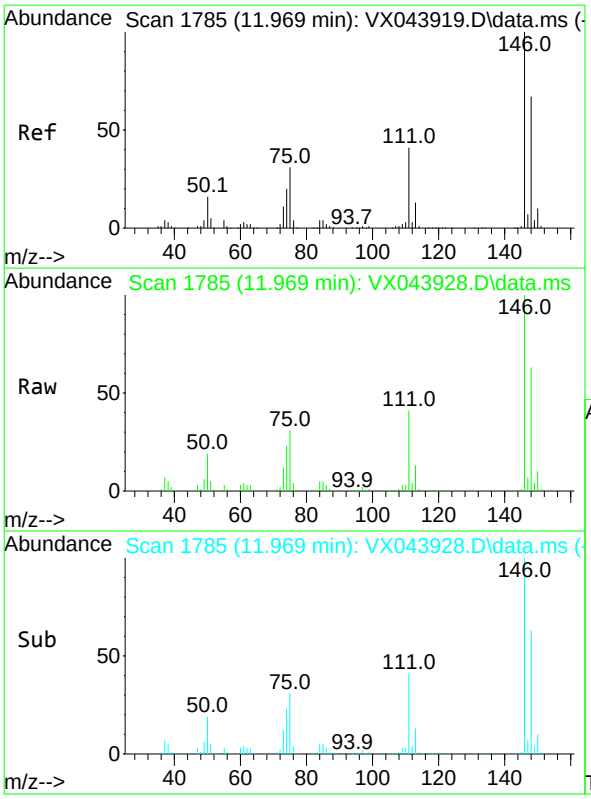



#86
p-Isopropyltoluene
Concen: 58.026 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 25.9 | 12.3 | 36.8 |

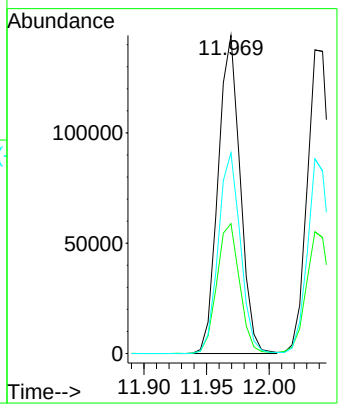





#87
1,3-Dichlorobenzene
Concen: 54.401 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 176936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 20.8 | 62.2 |
| 148 | 63.4 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

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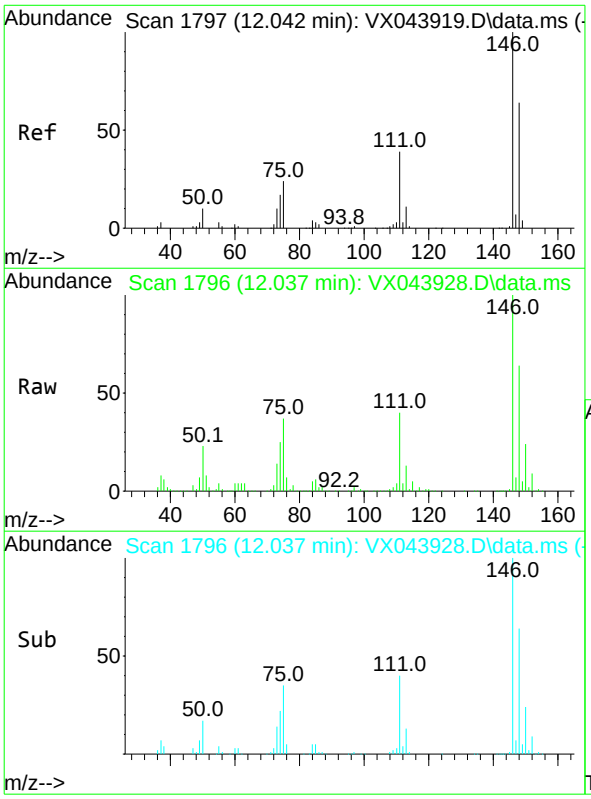
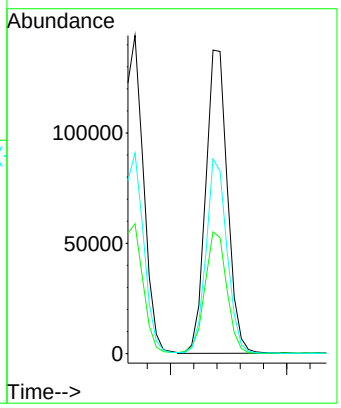
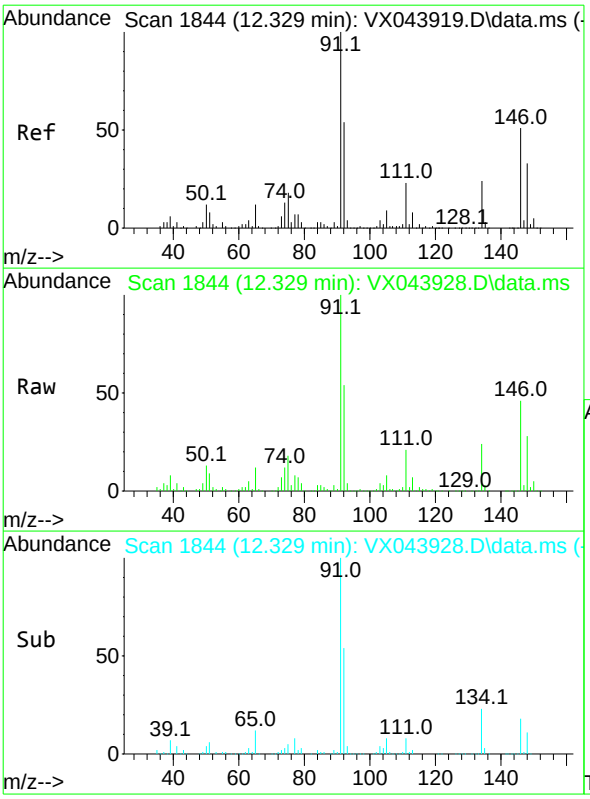



#88
1,4-Dichlorobenzene
Concen: 53.598 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.1 | 60.2 |
| 148 | 61.9 | 32.2 | 96.6 |

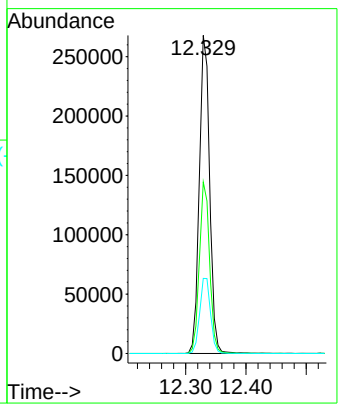





#89
n-Butylbenzene
Concen: 61.581 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 319448

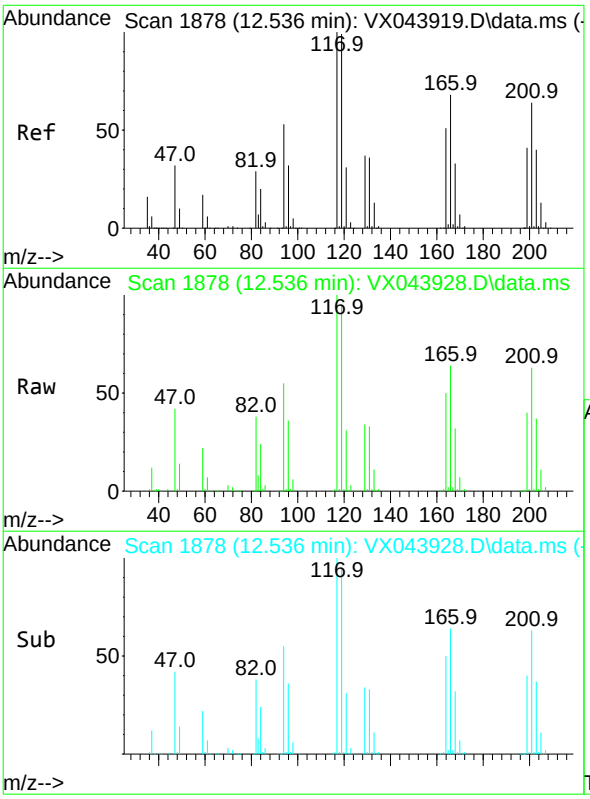
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.9 | 80.6 |
| 134 | 24.8 | 12.9 | 38.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

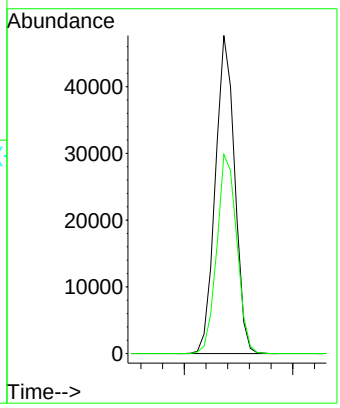
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

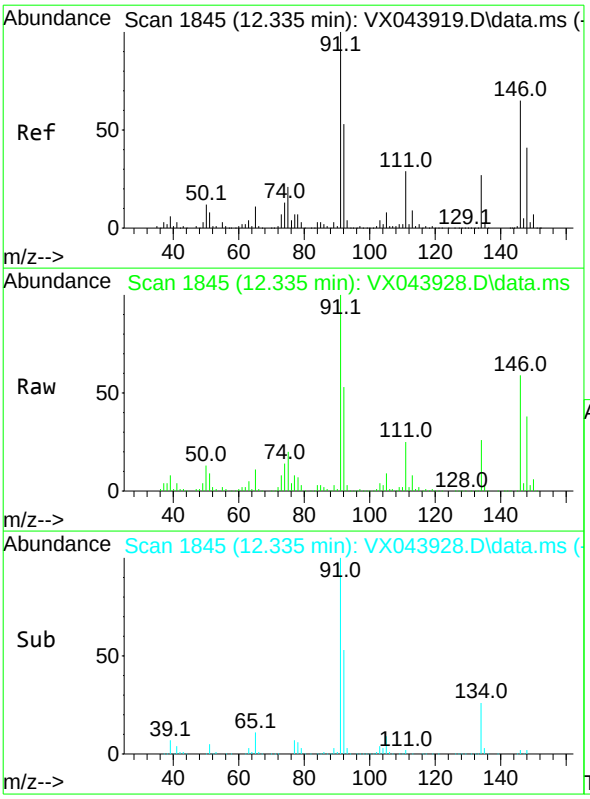



#90
Hexachloroethane
Concen: 57.586 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.7 | 34.1 | 102.3 |






#91
1,2-Dichlorobenzene
Concen: 52.077 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

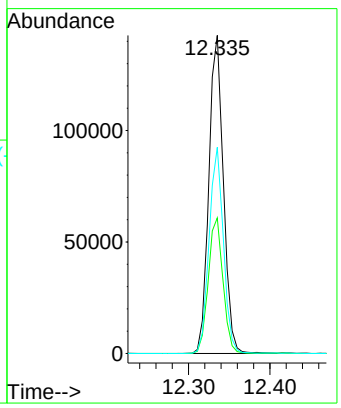
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

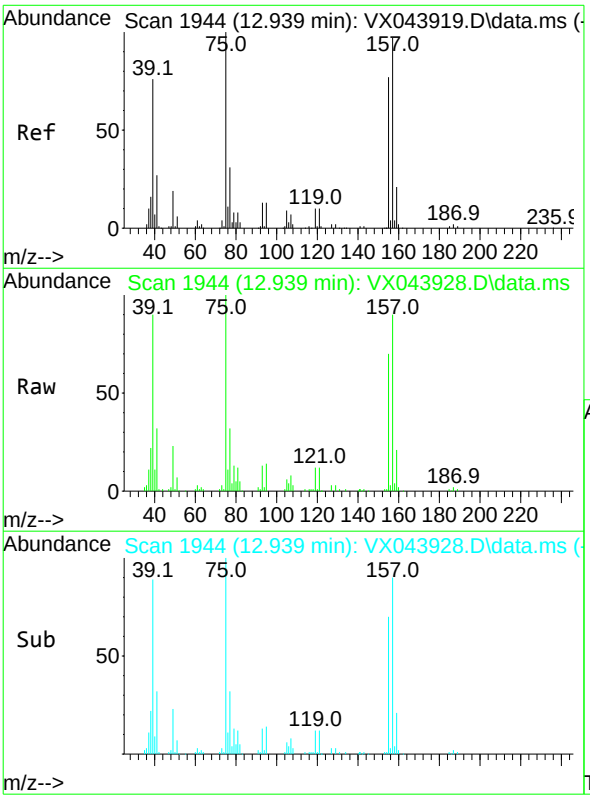
Tgt Ion:146 Resp: 177334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.7 | 65.1 |
| 148 | 63.7 | 31.6 | 94.7 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

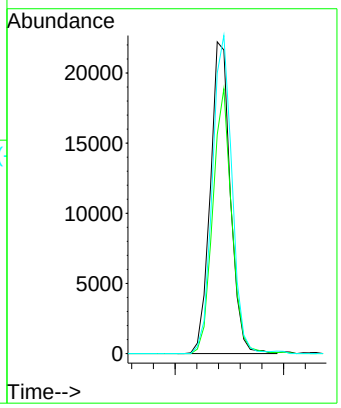


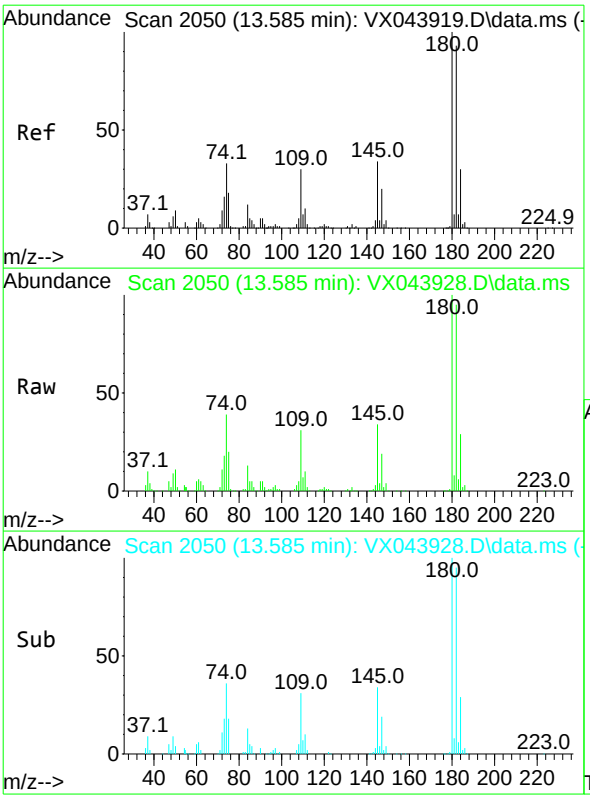




#92
1,2-Dibromo-3-Chloropropane
Concen: 56.961 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.1 | 40.8 | 122.5 |
| 157 | 99.3 | 54.3 | 162.9 |






#93
1,2,4-Trichlorobenzene
Concen: 54.645 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

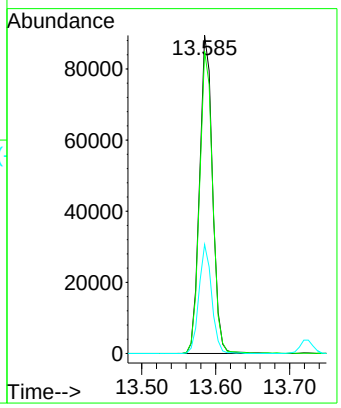
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

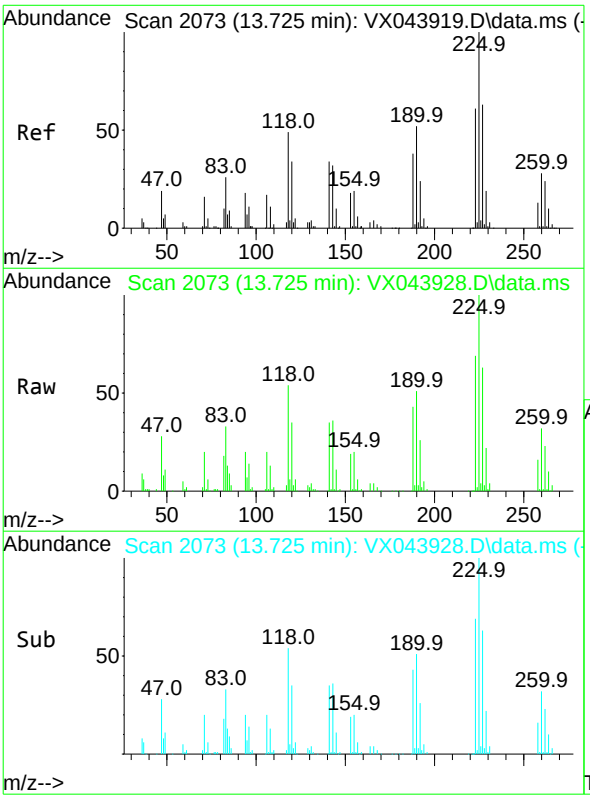
Tgt Ion:180 Resp: 108749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 46.8 | 140.4 |
| 145 | 33.6 | 16.4 | 49.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

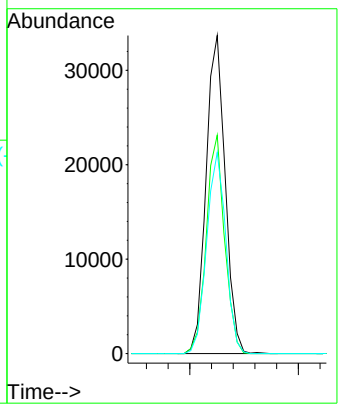


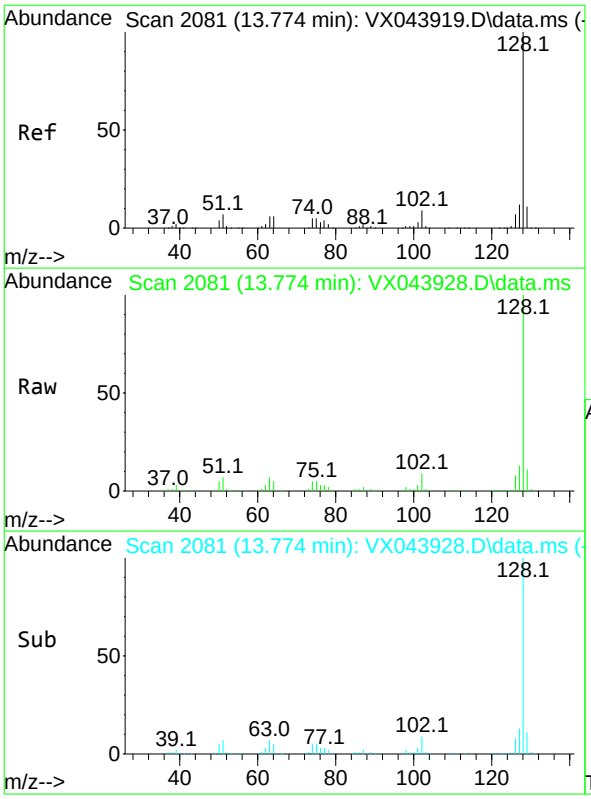




#94
Hexachlorobutadiene
Concen: 50.599 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.7 | 31.1 | 93.3 |
| 227 | 63.2 | 29.8 | 89.5 |

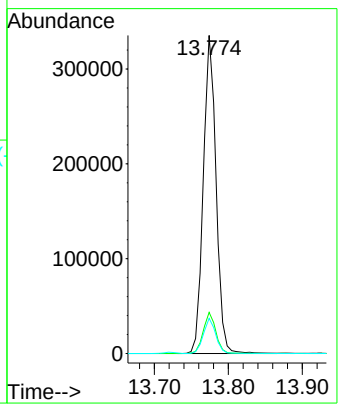





#95
Naphthalene
Concen: 54.142 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:128 Resp: 401752

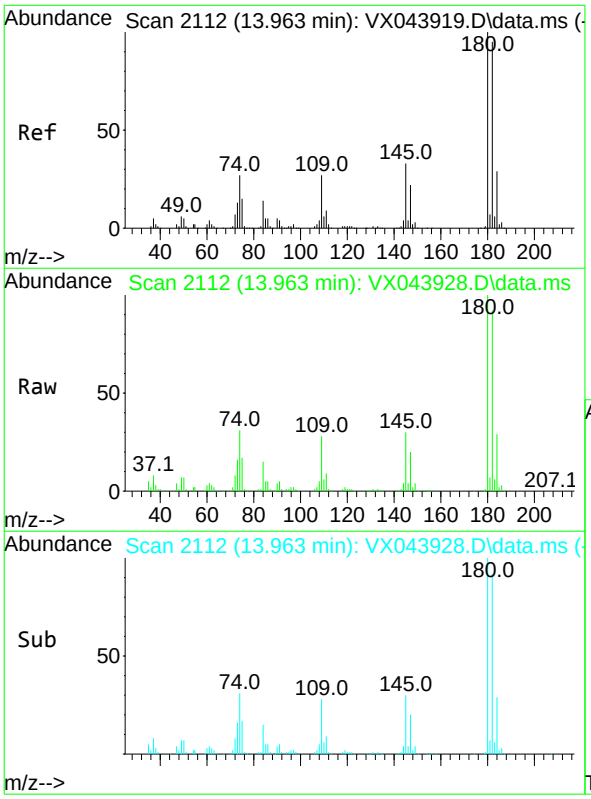
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.1 | 15.1 |
| 129 | 10.7 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

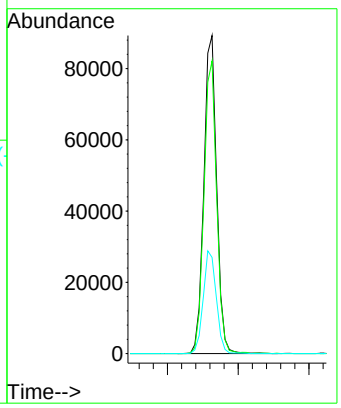
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 54.094 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 47.6 | 142.8 |
| 145 | 32.9 | 17.4 | 52.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 138314 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 246419 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 215595 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104048 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 236531 | 111.333 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 222.660%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 176869 | 106.893 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 213.780%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 607337 | 109.870 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 219.740%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 215953 | 118.228 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 236.460%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 166145 | 118.713 | ug/l | 97 |
| 3) Chloromethane | 1.295 | 50 | 183899 | 105.136 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 192221 | 109.377 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 118792 | 148.807 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 101816 | 121.286 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 354375 | 141.438 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 125840 | 133.219 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 162988 | 109.922 | ug/l | 96 |
| 10) Methyl Iodide | 2.441 | 142 | 213858 | 102.481 | ug/l | 96 |
| 11) Tert butyl alcohol | 3.002 | 59 | 184757 | 546.882 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 158111 | 109.868 | ug/l | 89 |
| 13) Acrolein | 2.240 | 56 | 200929 | 530.320 | ug/l | 99 |
| 14) Allyl chloride | 2.654 | 41 | 276068 | 118.320 | ug/l | 90 |
| 15) Acrylonitrile | 3.069 | 53 | 458624 | 527.361 | ug/l | 97 |
| 16) Acetone | 2.386 | 43 | 511112 | 598.985 | ug/l | 92 |
| 17) Carbon Disulfide | 2.502 | 76 | 367958 | 117.100 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 247225 | 105.800 | ug/l | 96 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 597600 | 112.347 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 178008 | 99.663 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 165989 | 105.798 | ug/l | 98 |
| 22) Diisopropyl ether | 3.764 | 45 | 572855 | 112.380 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 2570419 | 622.111 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 327756 | 109.327 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 690992 | 578.867 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 299254 | 121.468 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 206207 | 105.613 | ug/l | 94 |
| 28) Bromochloromethane | 4.898 | 49 | 138227 | 109.575 | ug/l | 91 |
| 29) Tetrahydrofuran | 5.007 | 42 | 419337 | 543.649 | ug/l | 97 |
| 30) Chloroform | 5.087 | 83 | 350923 | 112.294 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 256114 | 105.404 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 309469 | 115.841 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 222573 | 107.931 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 265631 | 114.453 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 256290 | 117.390 | ug/l | 97 |
| 39) Methylcyclohexane | 7.373 | 83 | 283075 | 109.652 | ug/l | 98 |
| 40) Benzene | 6.032 | 78 | 684139 | 105.520 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 143256 | 118.447 ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 271641 | 115.387 ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 440615 | 120.346 ug/l | | 94 |
| 44) Trichloroethene | 7.123 | 130 | 169796 | 94.997 ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 170741 | 107.450 ug/l | | 99 |
| 46) Dibromomethane | 7.574 | 93 | 135928 | 113.518 ug/l | | 96 |
| 47) Bromodichloromethane | 7.818 | 83 | 260442 | 123.792 ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 210614 | 116.061 ug/l | | 88 |
| 49) 1,4-Dioxane | 7.665 | 88 | 62845 | 1625.913 ug/l | # | 72 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1329064 | 582.189 ug/l | | 95 |
| 52) Toluene | 8.714 | 92 | 418999 | 112.018 ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 270418 | 126.680 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 285627 | 118.077 ug/l | # | 89 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 167357 | 114.675 ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 286893 | 124.157 ug/l | # | 90 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 285511 | 116.773 ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 698756 | 576.637 ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 1011261 | 627.842 ug/l | | 95 |
| 60) Dibromochloromethane | 9.519 | 129 | 187476 | 131.832 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 176345 | 115.841 ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 135740 | 98.157 ug/l | | 97 |
| 65) Chlorobenzene | 10.080 | 112 | 461076 | 102.382 ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 164586 | 109.812 ug/l | | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 812289 | 107.178 ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 603451 | 213.769 ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 298739 | 108.462 ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 511251 | 112.628 ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 123114 | 125.866 ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 765623 | 103.086 ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 394438 | 119.112 ug/l | | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 262302 | 104.456 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 219028m | 103.148 ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 183742 | 100.944 ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 891893 | 108.835 ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 537190 | 103.022 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 648916 | 105.408 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 88041 | 116.733 ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 629590 | 104.841 ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 655918 | 104.157 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 650156 | 103.992 ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 793233 | 105.481 ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 669819 | 106.078 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 337665 | 100.095 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 343312 | 99.262 ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 605284 | 112.498 ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 120913 | 113.763 ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 341767 | 96.765 ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 57287 | 110.517 ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 210571 | 102.015 ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 79822 | 94.363 ug/l | | 95 |
| 95) Naphthalene | 13.774 | 128 | 776740 | 100.923 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 211814 | 98.491 ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

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

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

ICAL Form

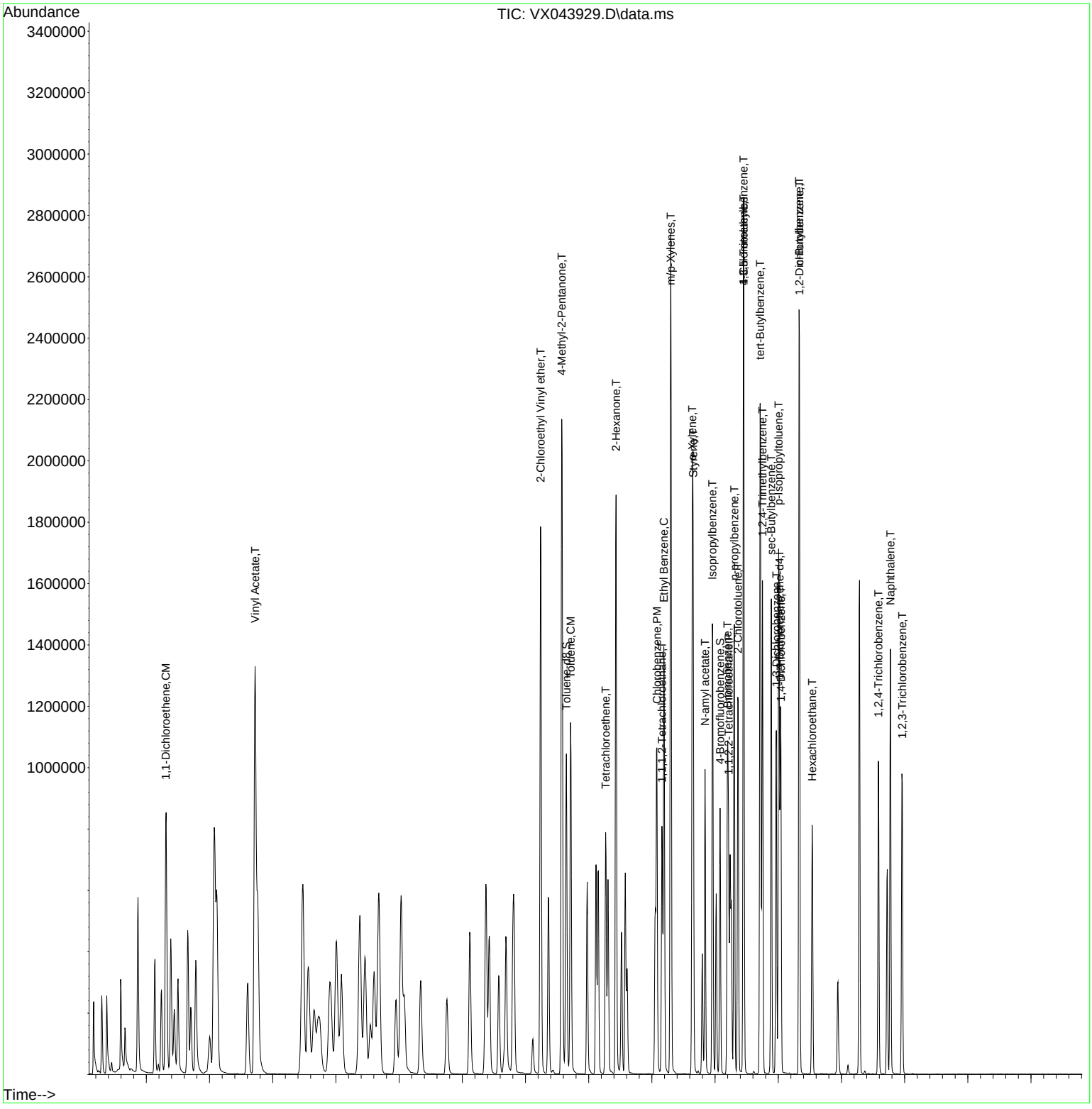
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

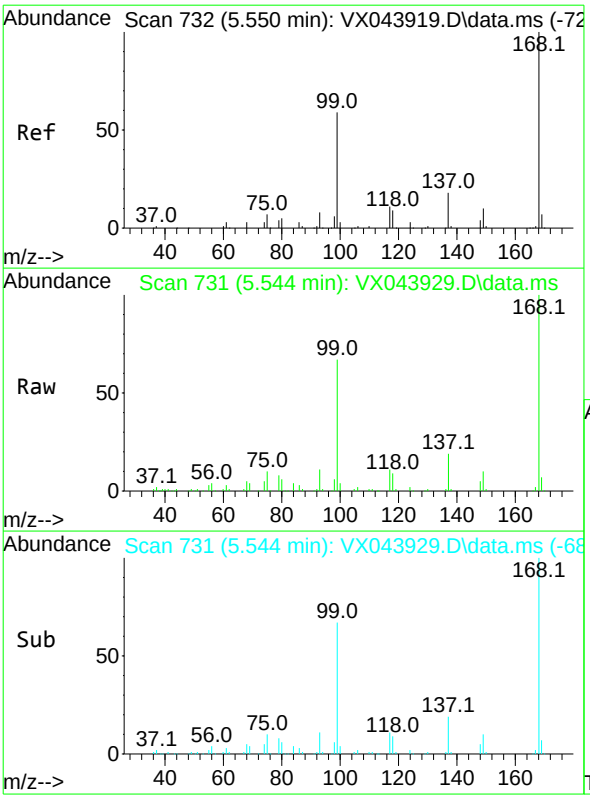
Quant Time: Nov 21 12:15:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 11:25:29 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

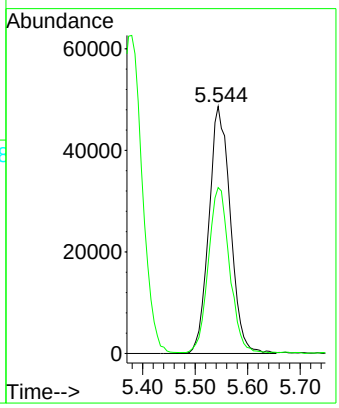





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:168 Resp: 138314

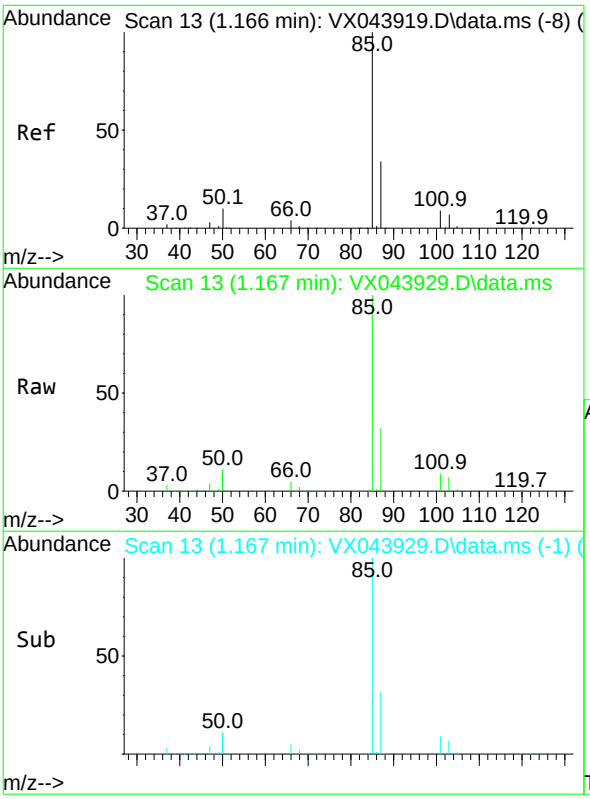
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.7 | 46.9 | 70.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

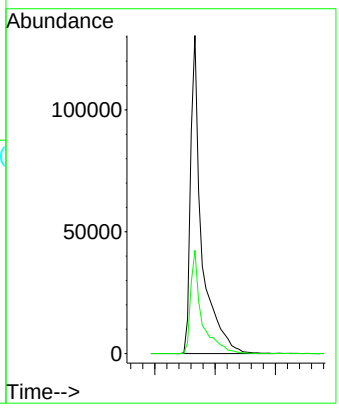
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

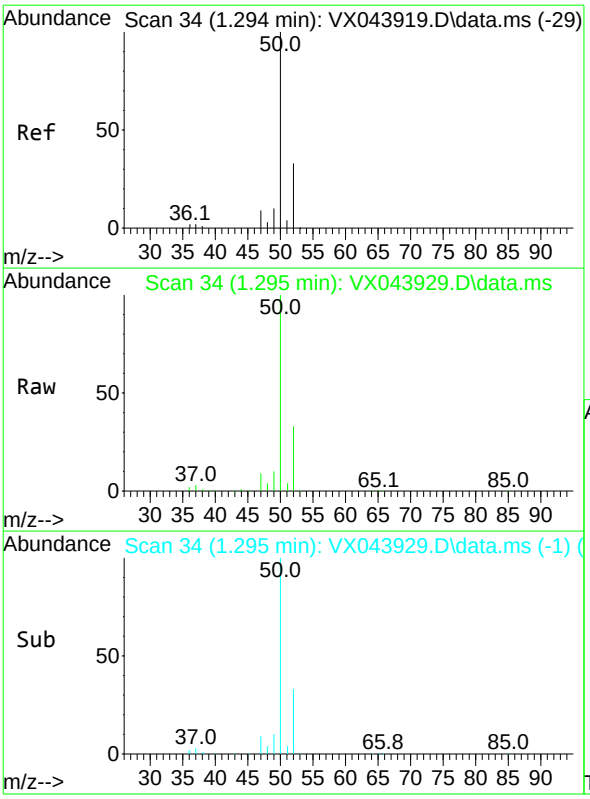



#2
Dichlorodifluoromethane
Concen: 118.713 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 17.1 | 51.2 |

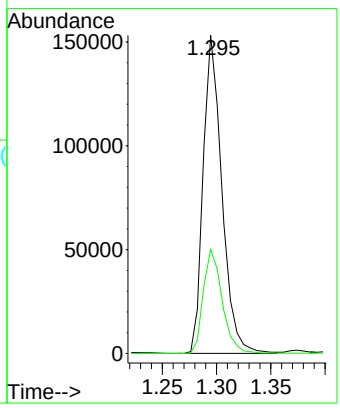





#3
Chloromethane
Concen: 105.136 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 50 Resp: 183899

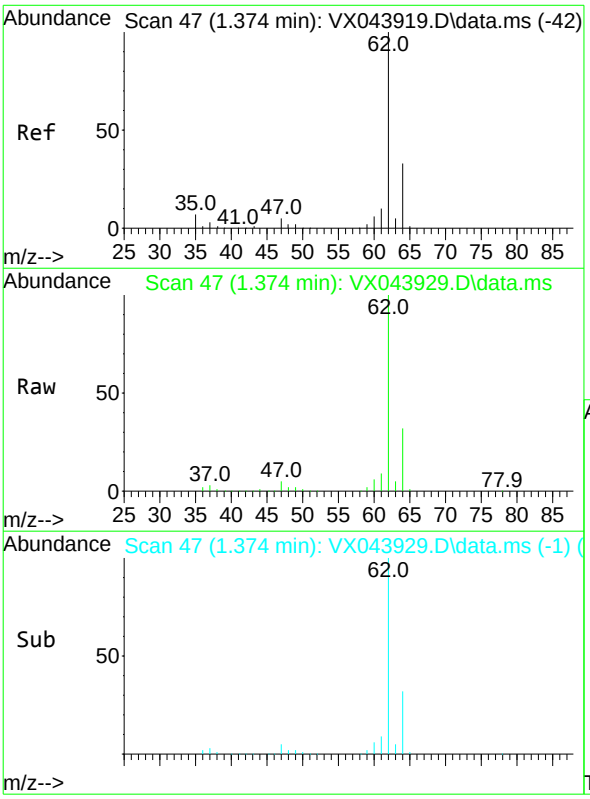
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

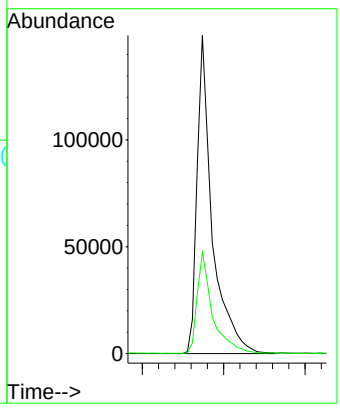
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

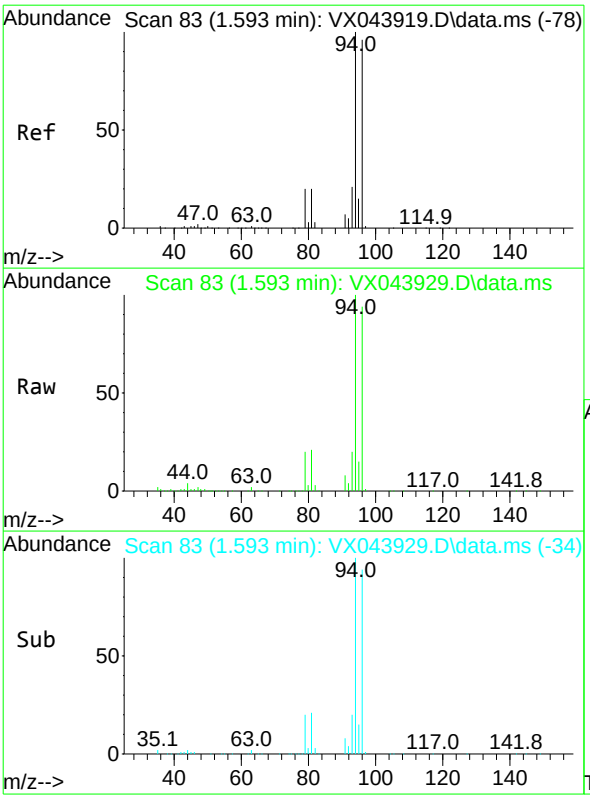



#4
Vinyl Chloride
Concen: 109.377 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.1 | 39.1 |

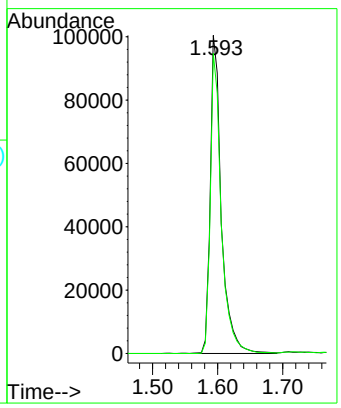





#5
Bromomethane
Concen: 148.807 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 94 Resp: 118792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 76.5 | 114.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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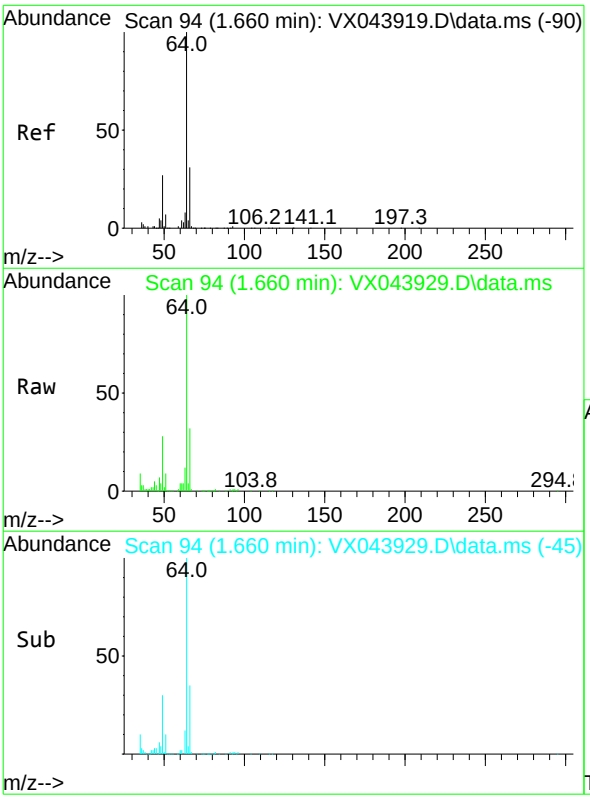
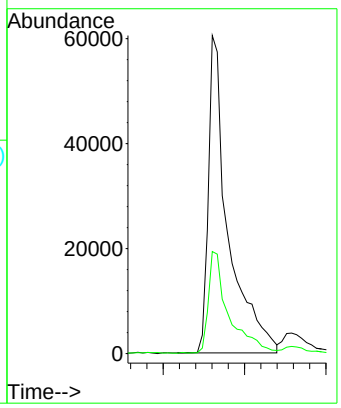
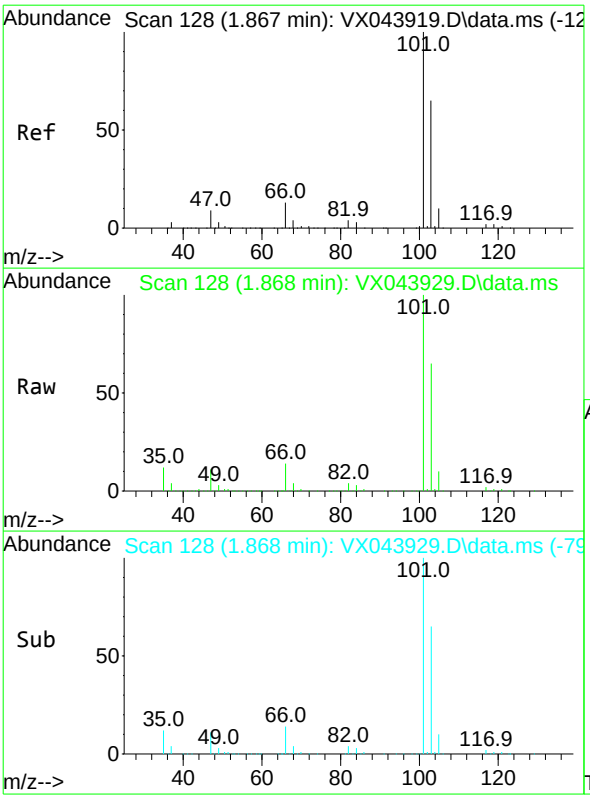



#6
Chloroethane
Concen: 121.286 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 24.9 | 37.3 |

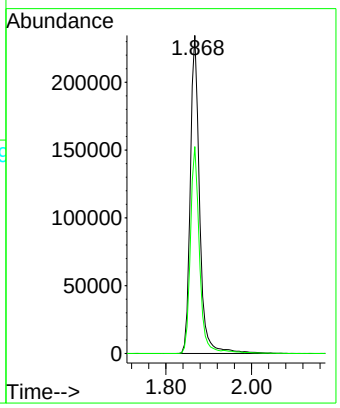





#7
Trichlorofluoromethane
Concen: 141.438 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:101 Resp: 354375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 52.2 | 78.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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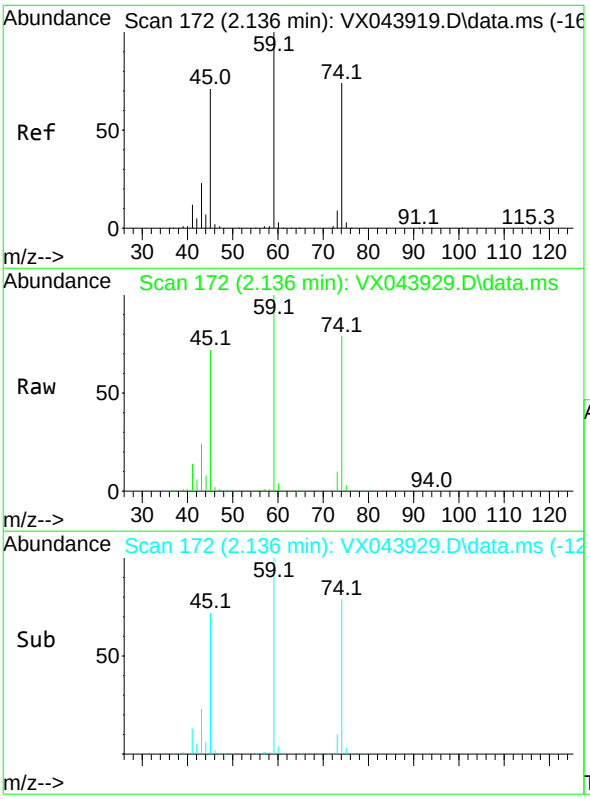
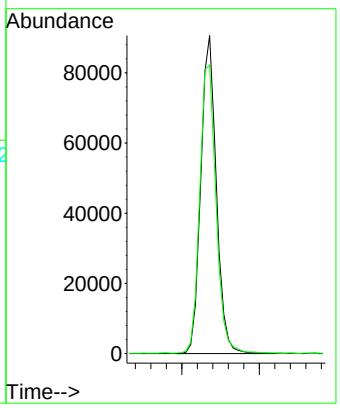
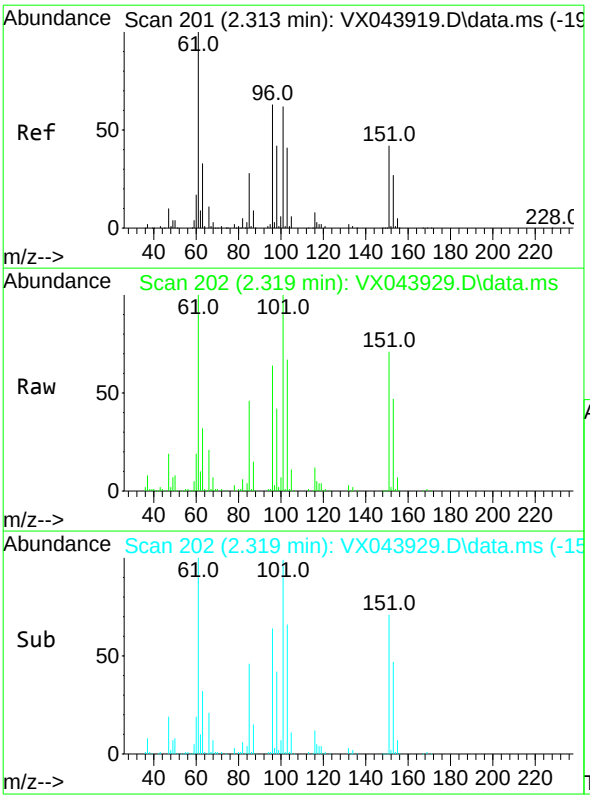



#8
Diethyl Ether
Concen: 133.219 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.5 | 49.9 | 149.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 109.922 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 162988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 36.6 | 54.8 |
| 151 | 70.5 | 59.8 | 89.6 |

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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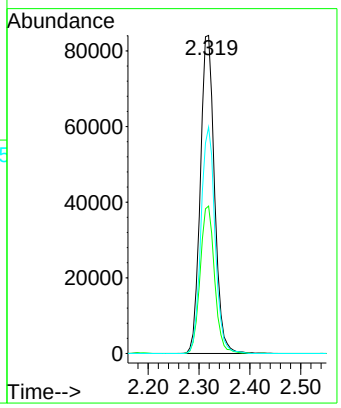
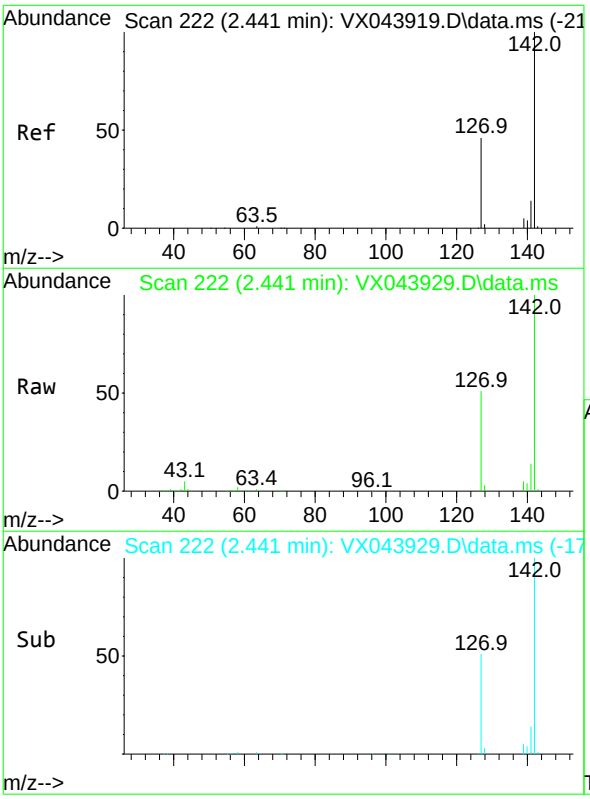
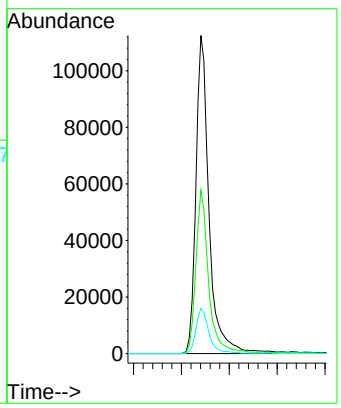


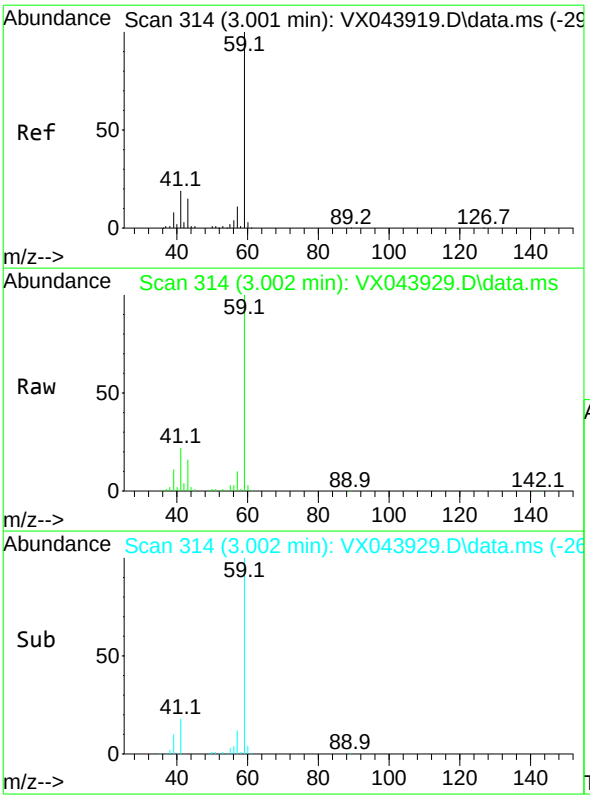




#10
Methyl Iodide
Concen: 102.481 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 37.3 | 55.9 |
| 141 | 14.1 | 11.4 | 17.2 |

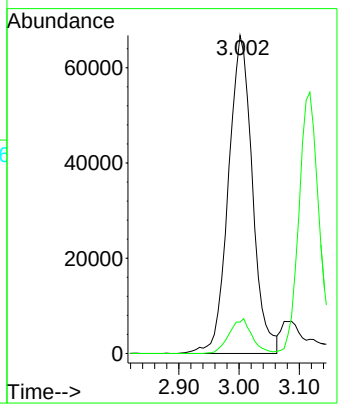





#11
Tert butyl alcohol
Concen: 546.882 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 59 Resp: 184757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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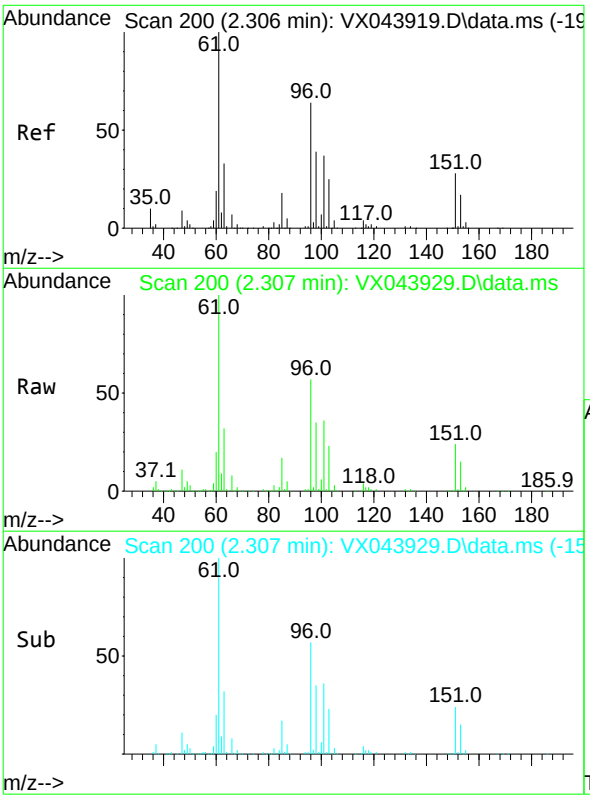
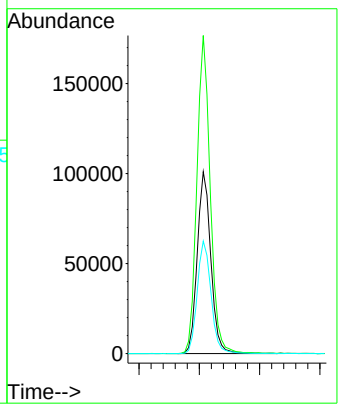
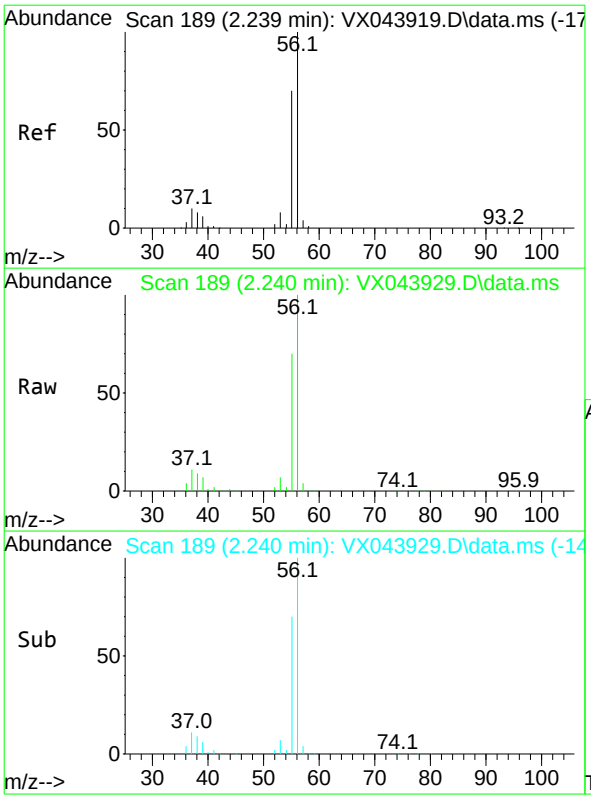



#12
1,1-Dichloroethene
Concen: 109.868 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.9 | 124.6 | 187.0 |
| 98 | 61.9 | 49.0 | 73.6 |

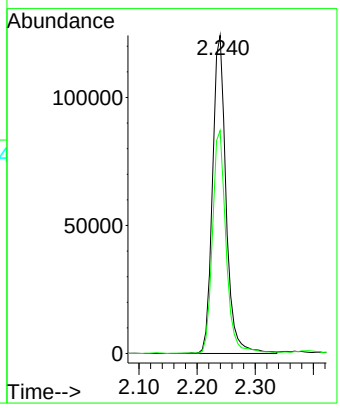





#13
Acrolein
Concen: 530.320 ug/l
RT: 2.240 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 56 Resp: 200929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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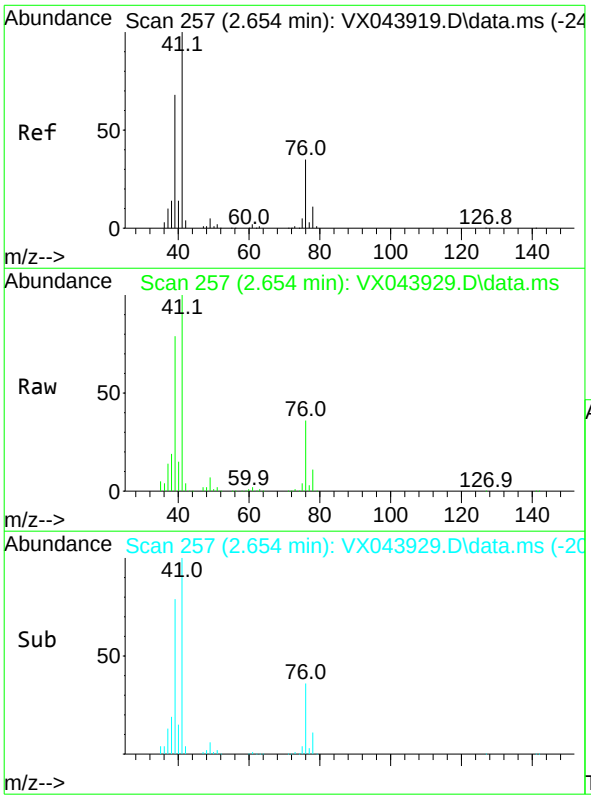
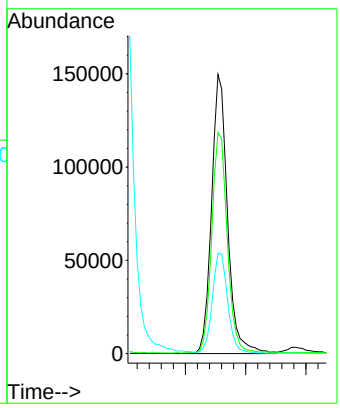
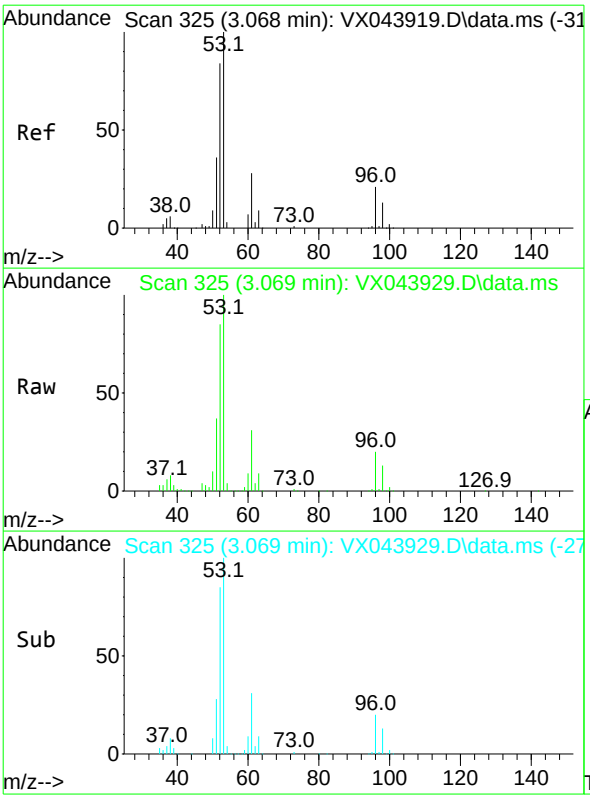



#14
Allyl chloride
Concen: 118.320 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.5 | 51.7 | 77.5 |
| 76 | 34.8 | 28.2 | 42.2 |

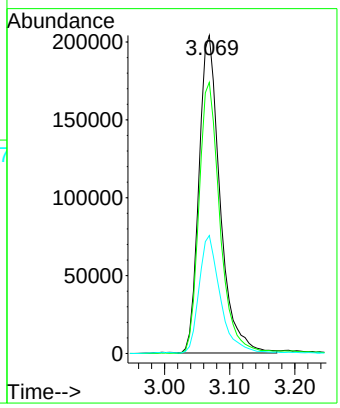





#15
Acrylonitrile
Concen: 527.361 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 53 Resp: 458624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 65.8 | 98.8 |
| 51 | 37.0 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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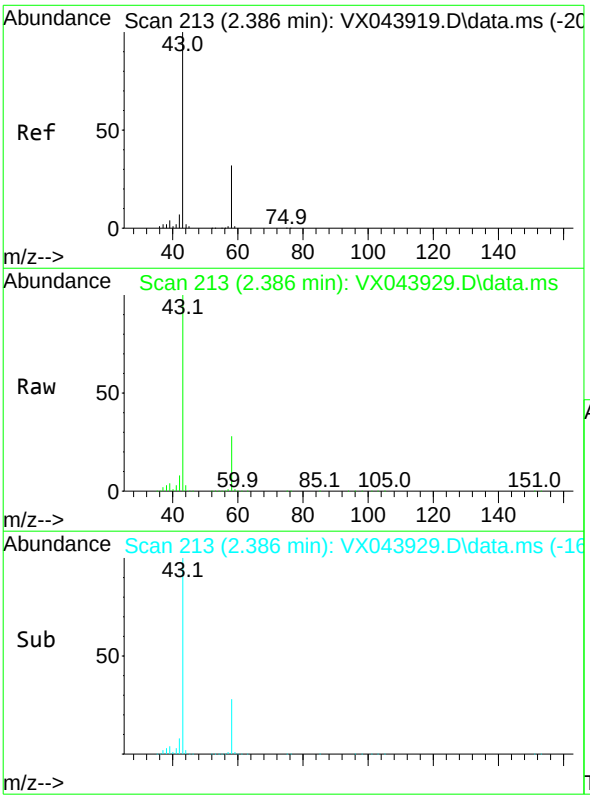
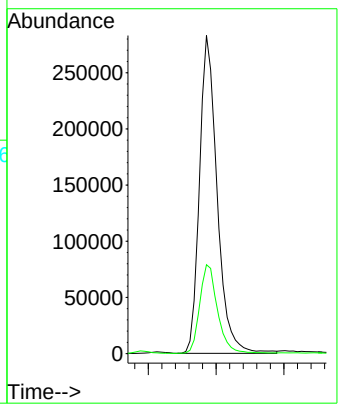
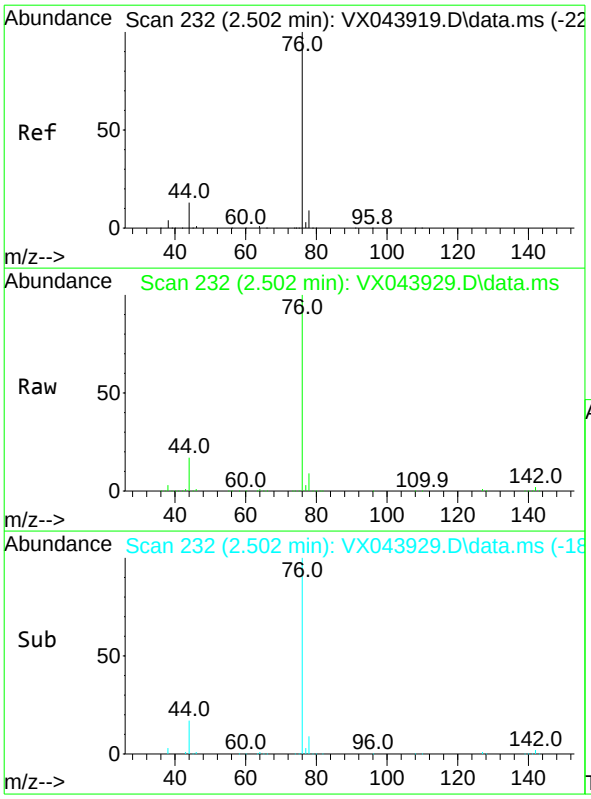



#16
Acetone
Concen: 598.985 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 25.8 | 38.6 |

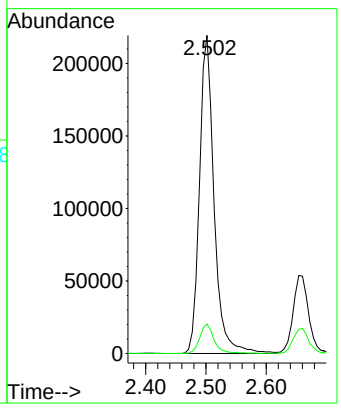





#17
Carbon Disulfide
Concen: 117.100 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 367958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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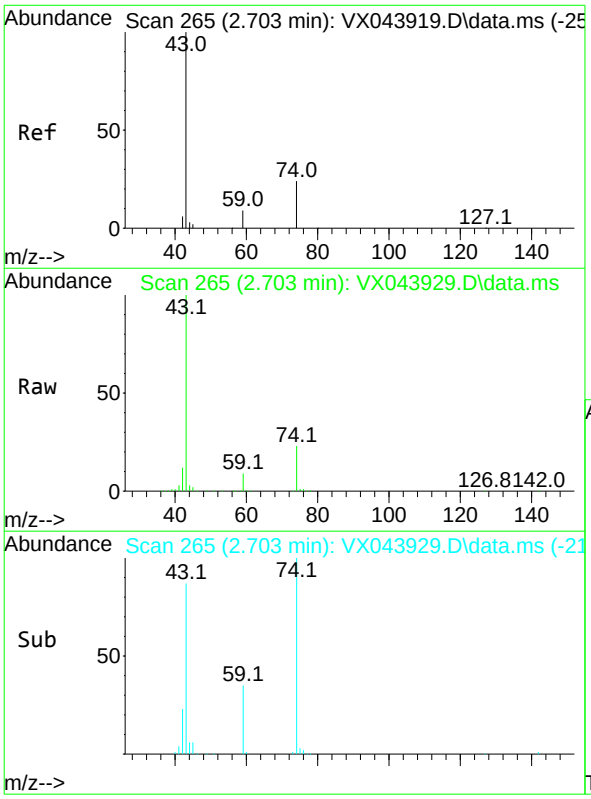
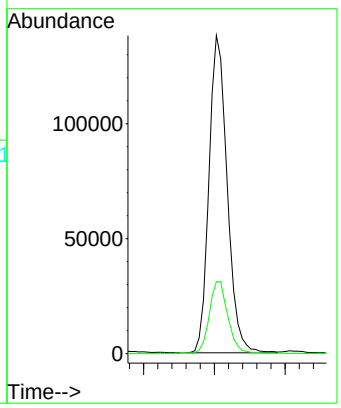
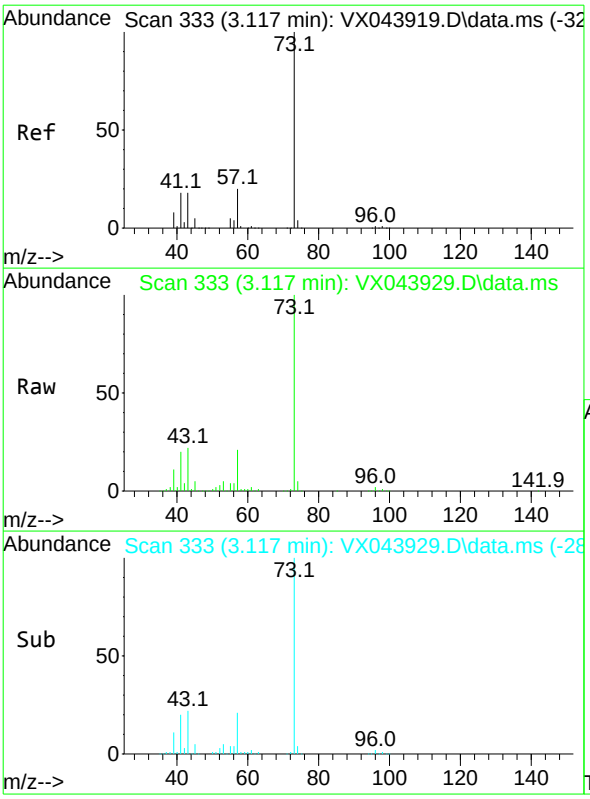



#18
Methyl Acetate
Concen: 105.800 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 20.1 | 30.1 |

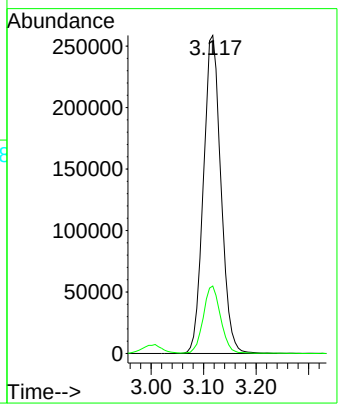





#19
Methyl tert-butyl Ether
Concen: 112.347 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 73 Resp: 597600

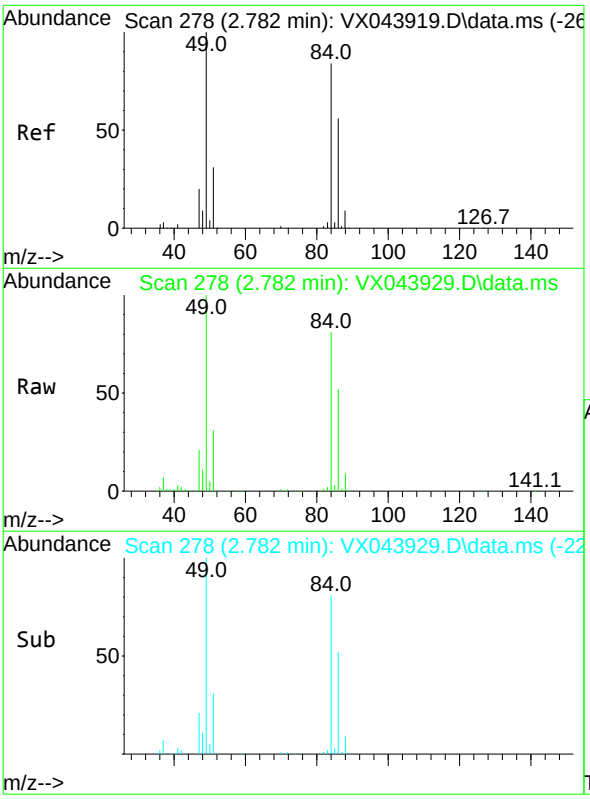
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 16.4 | 24.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

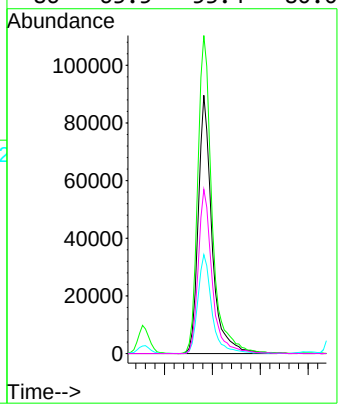
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

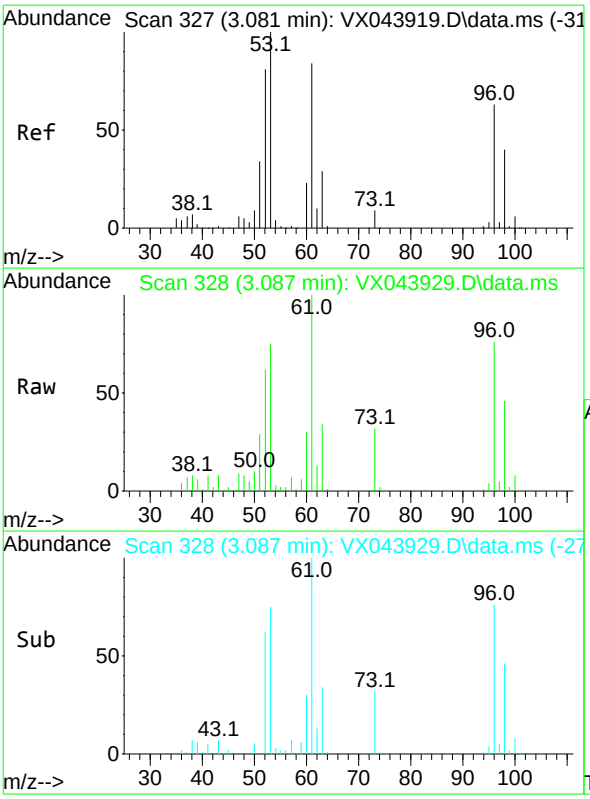



#20
Methylene Chloride
Concen: 99.663 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.1 | 95.1 | 142.7 |
| 51 | 38.3 | 29.2 | 43.8 |
| 86 | 63.5 | 53.4 | 80.0 |

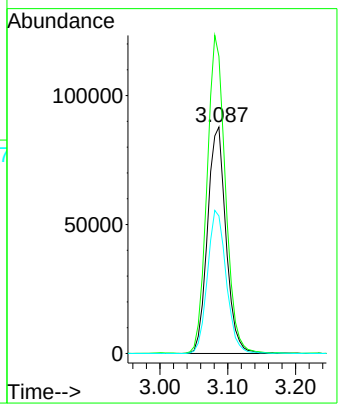





#21
trans-1,2-Dichloroethene
Concen: 105.798 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 165989

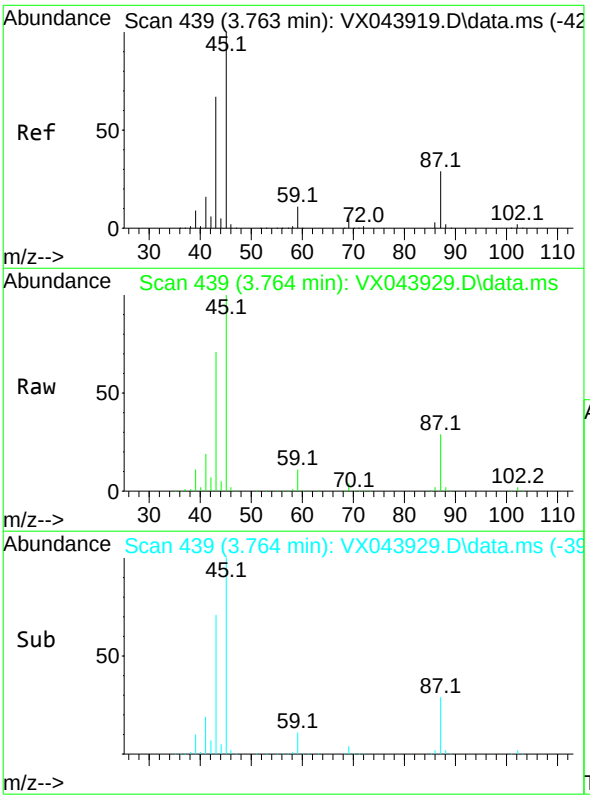
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.1 | 106.4 | 159.6 |
| 98 | 60.7 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

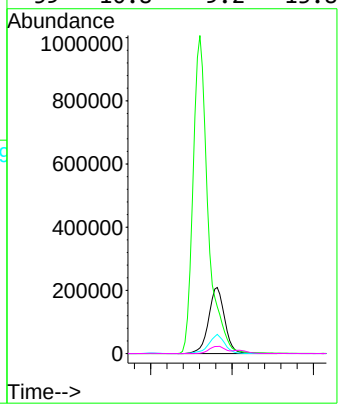
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

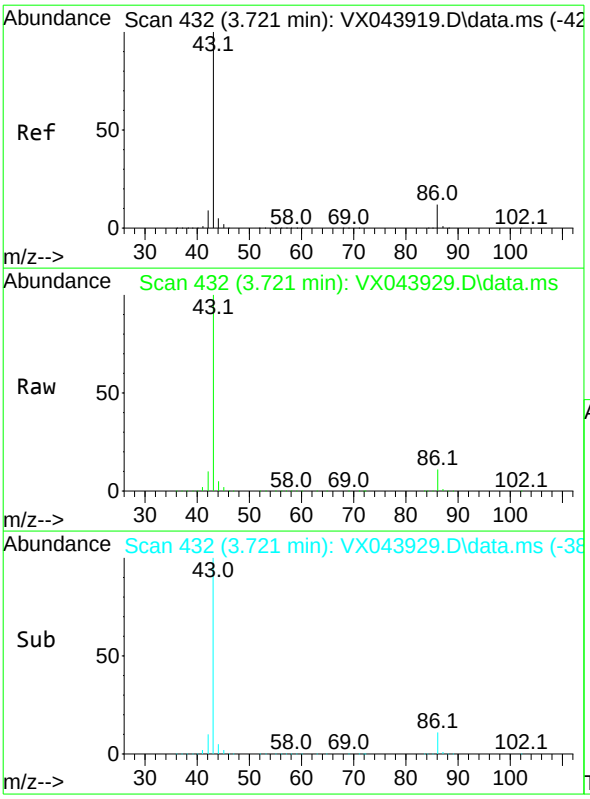



#22
Diisopropyl ether
Concen: 112.380 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.1 | 53.8 | 80.6 |
| 87 | 29.1 | 23.4 | 35.2 |
| 59 | 10.8 | 9.2 | 13.8 |

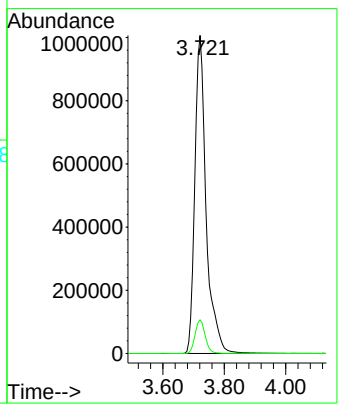





#23
Vinyl Acetate
Concen: 622.111 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 2570419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 9.4 | 14.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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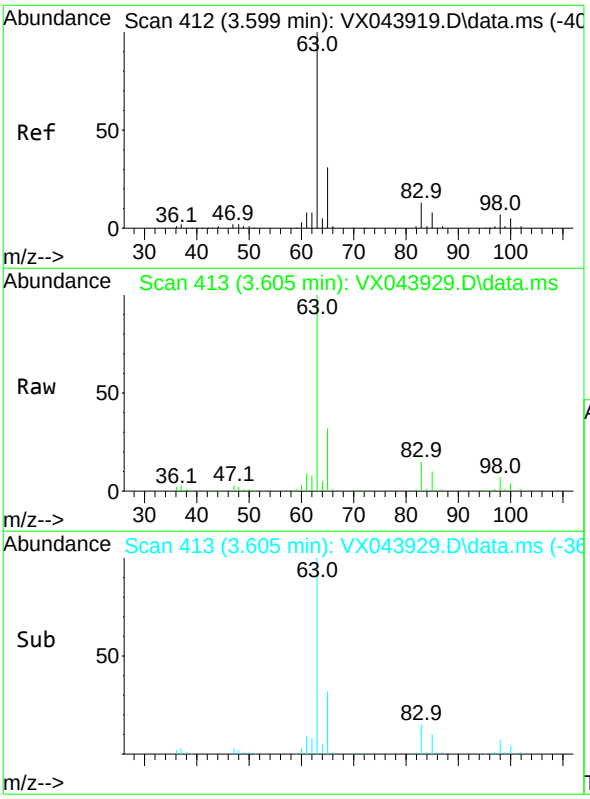
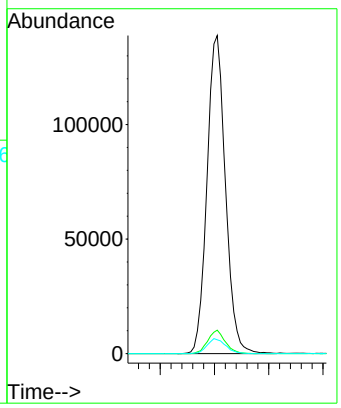
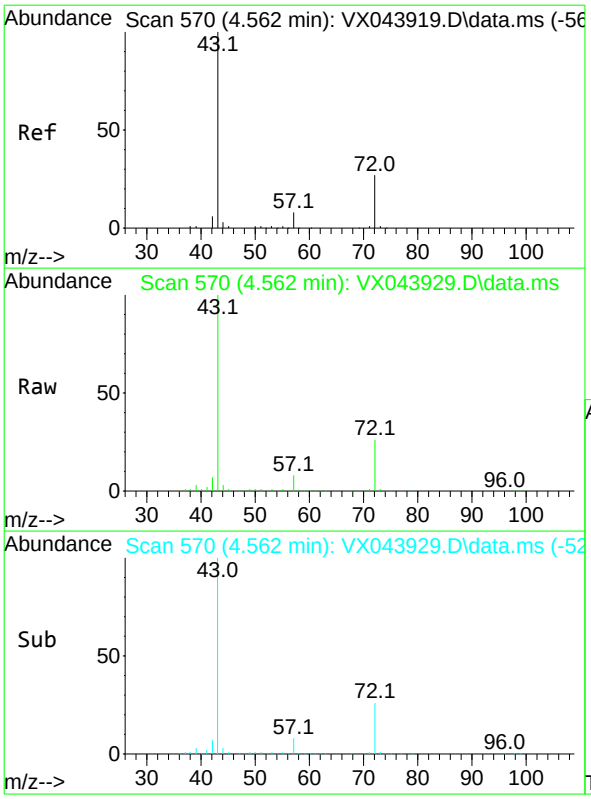



#24
1,1-Dichloroethane
Concen: 109.327 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.7 | 11.1 |
| 100 | 4.3 | 2.4 | 7.2 |

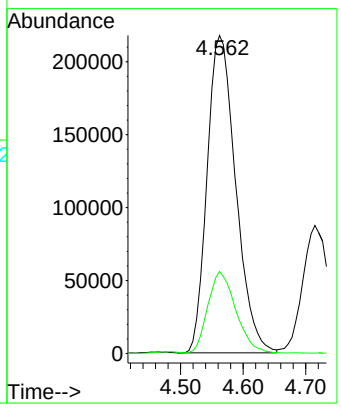





#25
2-Butanone
Concen: 578.867 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.6 | 21.3 | 31.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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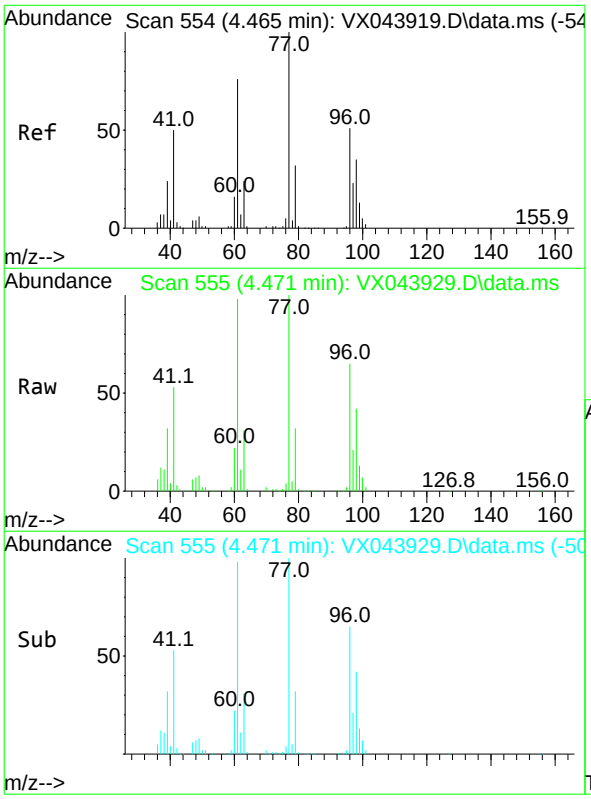
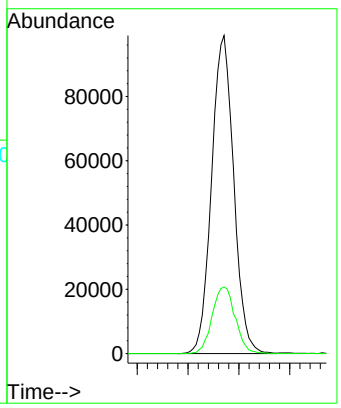
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

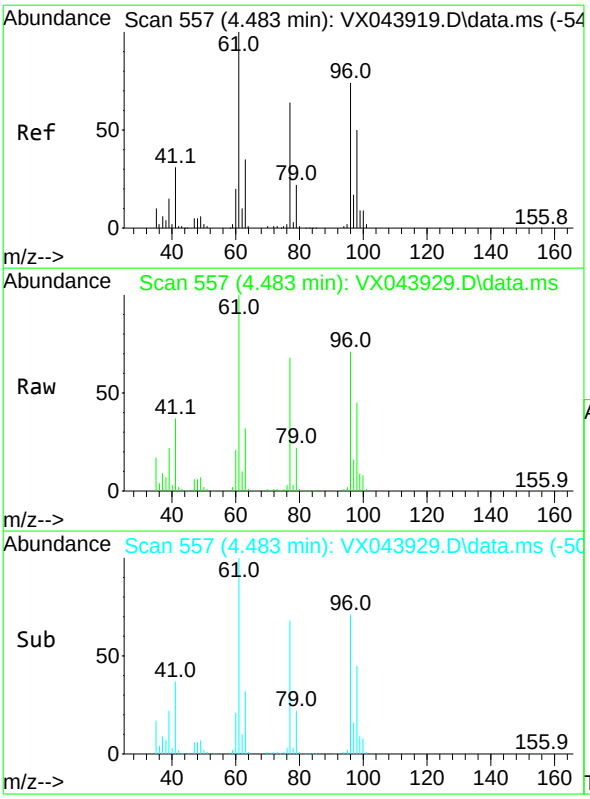



#26
2,2-Dichloropropane
Concen: 121.468 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 11.7 | 35.1 |

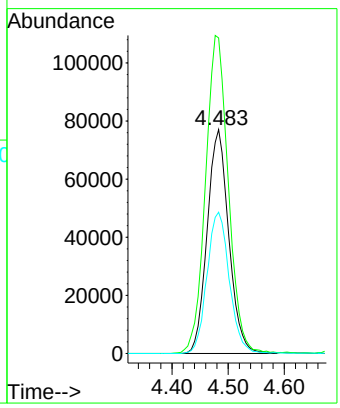





#27
cis-1,2-Dichloroethene
Concen: 105.613 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 206207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.0 | 0.0 | 279.4 |
| 98 | 65.1 | 0.0 | 131.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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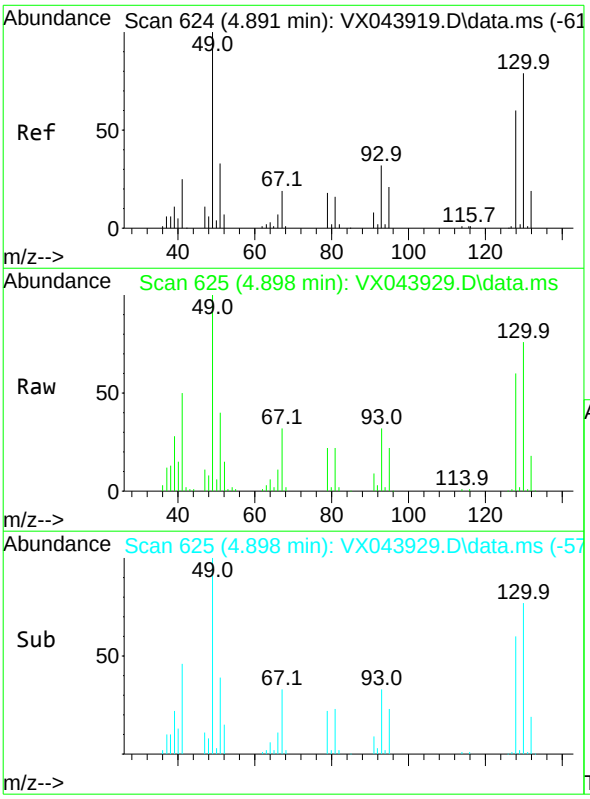
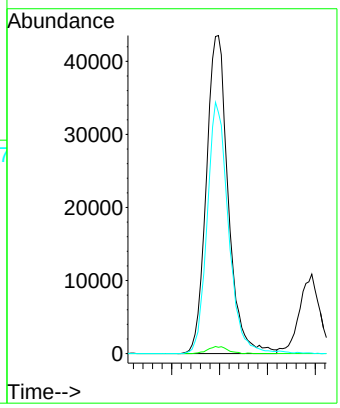
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

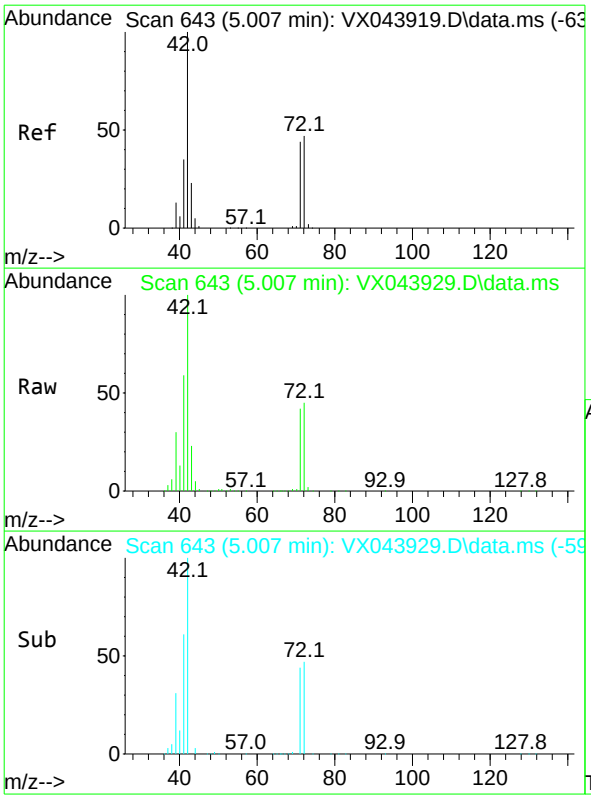



#28
Bromochloromethane
Concen: 109.575 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.4 |
| 130 | 76.5 | 68.2 | 102.2 |

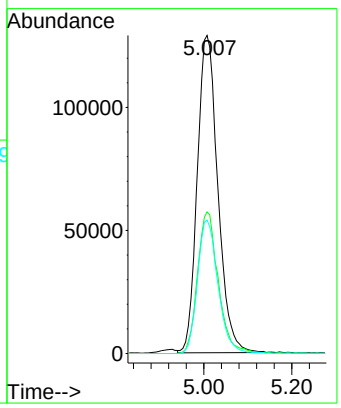





#29
Tetrahydrofuran
Concen: 543.649 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 42 Resp: 419337

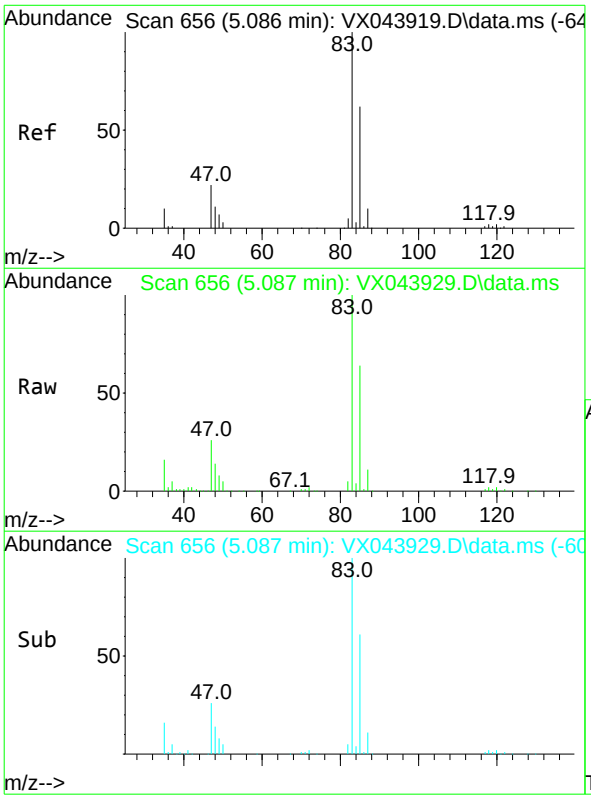
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.0 | 37.9 | 56.9 |
| 71 | 41.6 | 34.8 | 52.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

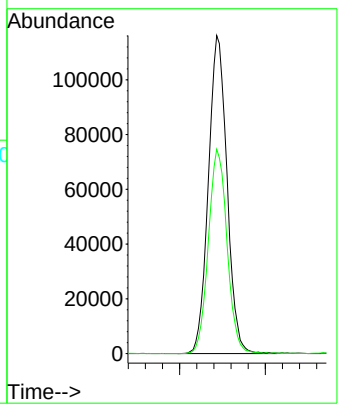
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

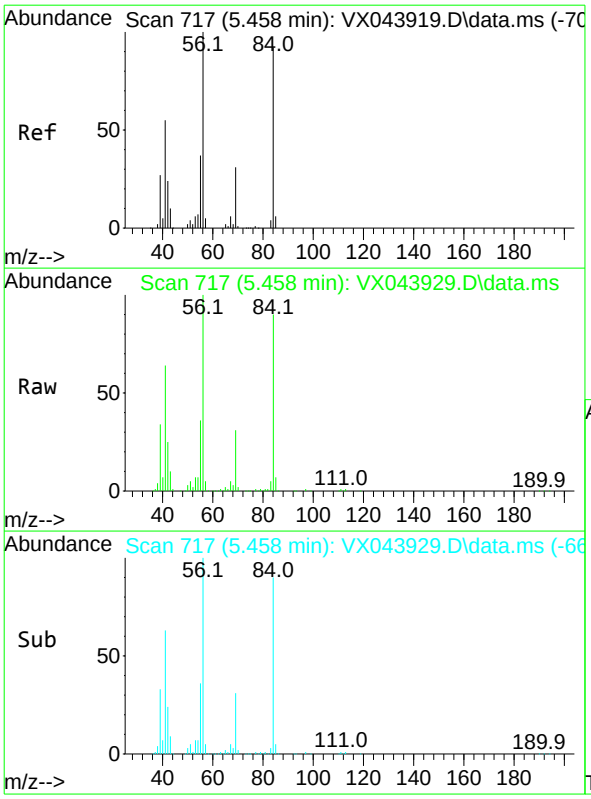



#30
Chloroform
Concen: 112.294 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 49.7 | 74.5 |






#31
Cyclohexane
Concen: 105.404 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

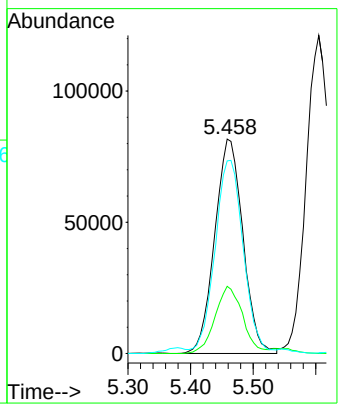
Tgt Ion: 56 Resp: 256114

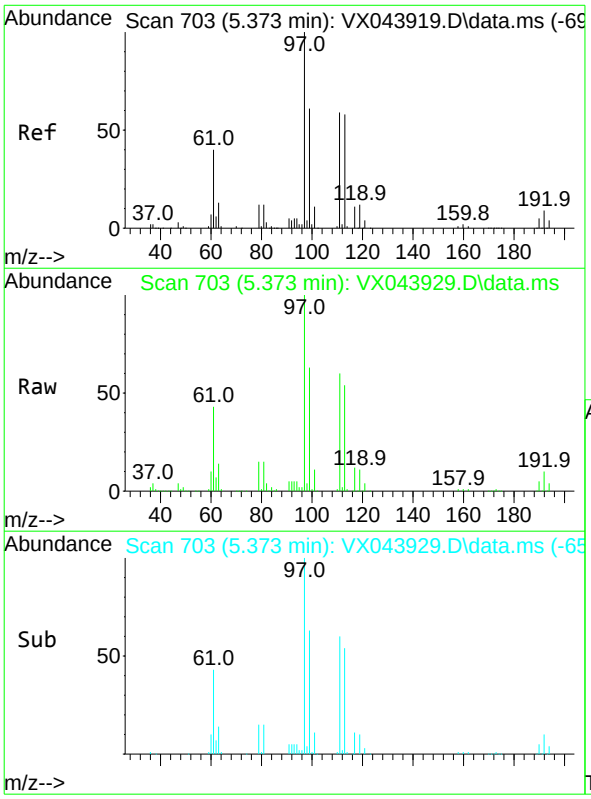
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.3 | 24.9 | 37.3 |
| 84 | 88.2 | 73.8 | 110.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

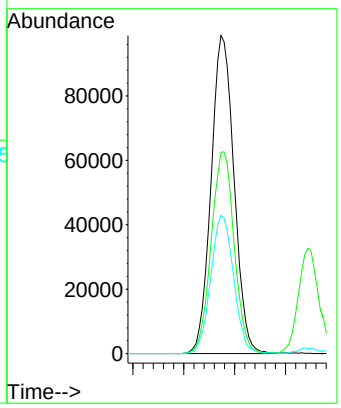


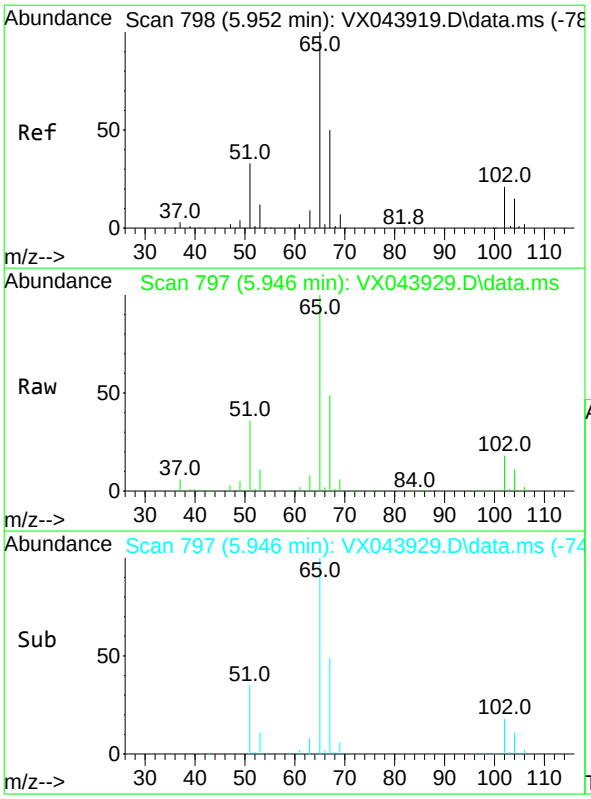




#32
1,1,1-Trichloroethane
Concen: 115.841 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 51.2 | 76.8 |
| 61 | 43.4 | 32.9 | 49.3 |

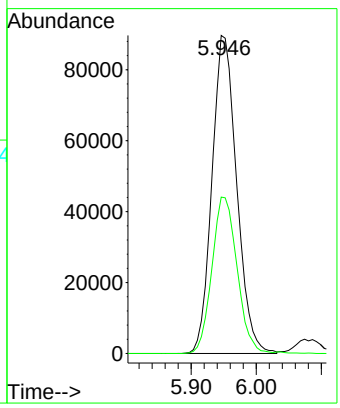





#33
1,2-Dichloroethane-d4
Concen: 111.333 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 65 Resp: 236531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 103.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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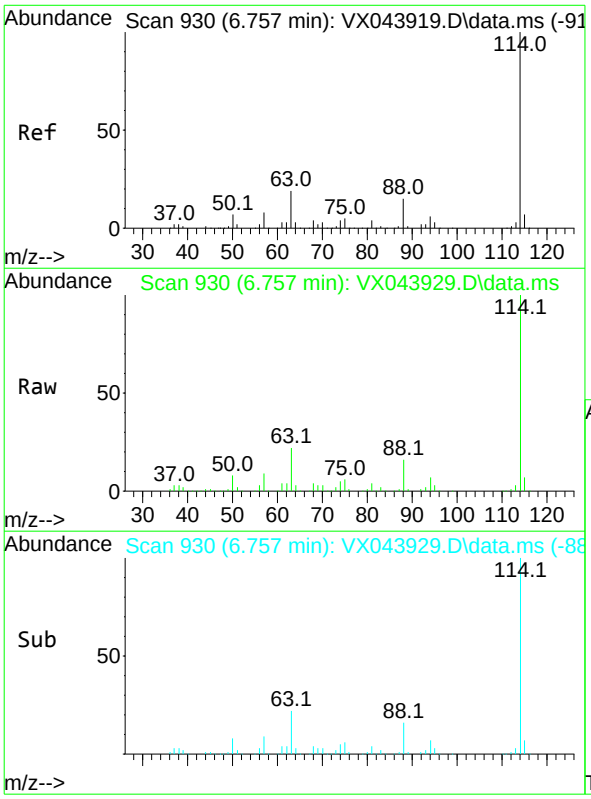
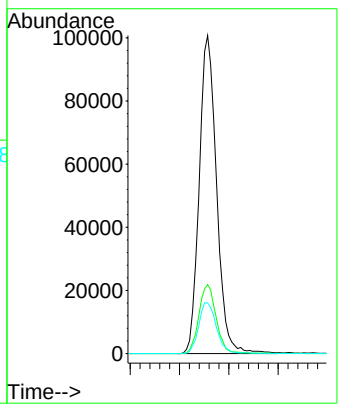
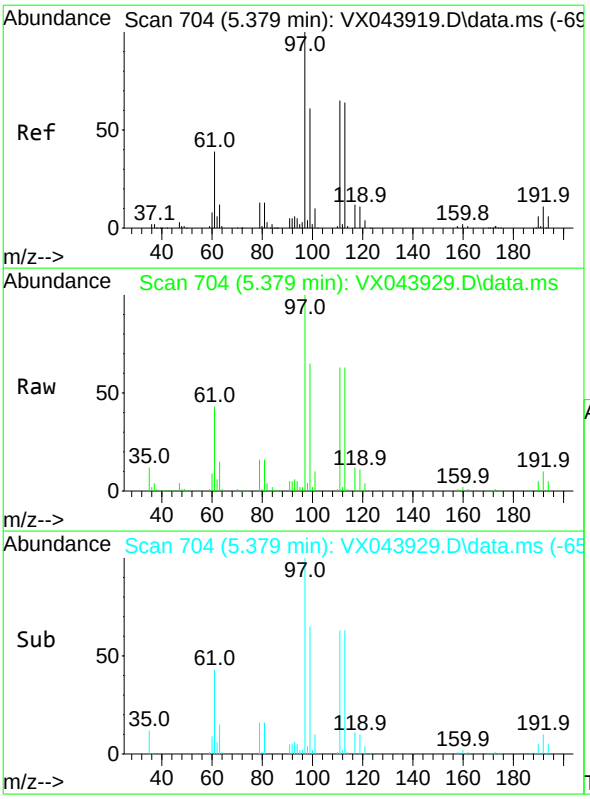



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 39.0 |
| 88 | 15.9 | 0.0 | 30.2 |






#35
Dibromofluoromethane
Concen: 106.893 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

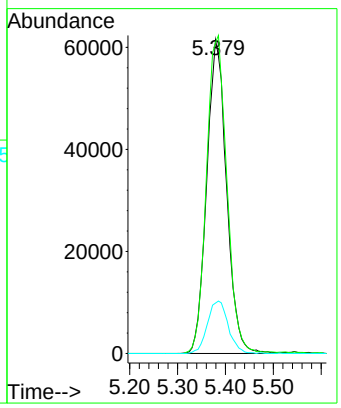
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

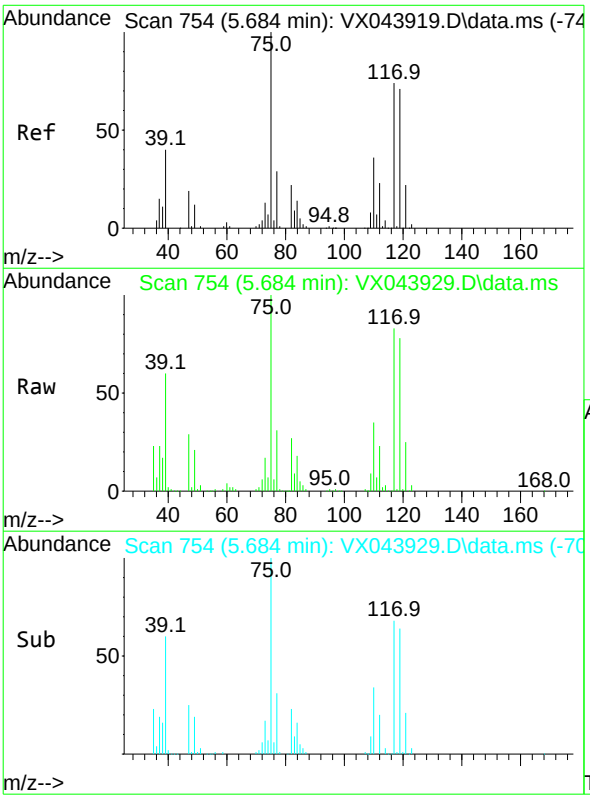
Tgt Ion:113 Resp: 176869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.6 | 81.0 | 121.6 |
| 192 | 17.6 | 14.2 | 21.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

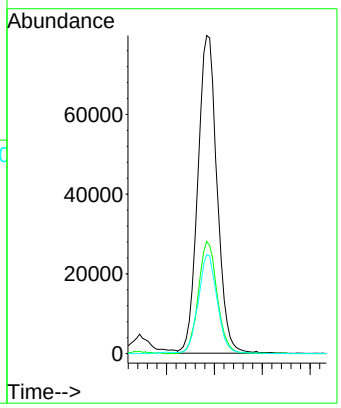


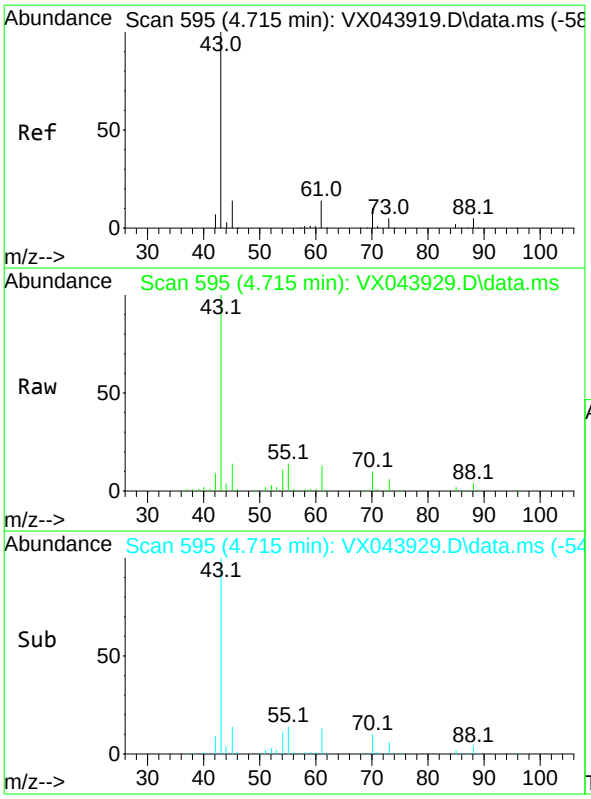




#36
1,1-Dichloropropene
Concen: 107.931 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.5 | 52.5 |
| 77 | 30.8 | 24.9 | 37.3 |

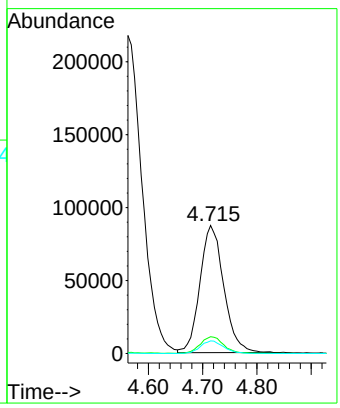





#37
Ethyl Acetate
Concen: 114.453 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 265631

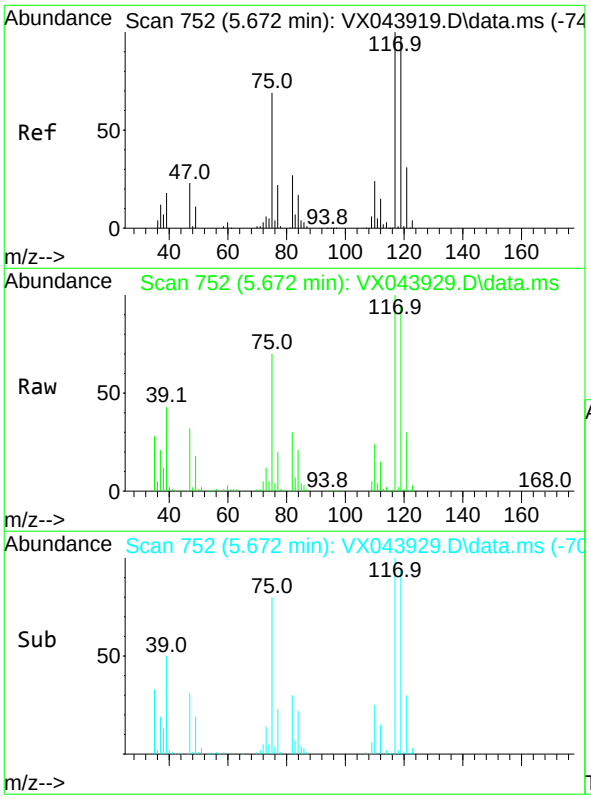
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 11.5 | 17.3 |
| 70 | 9.6 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

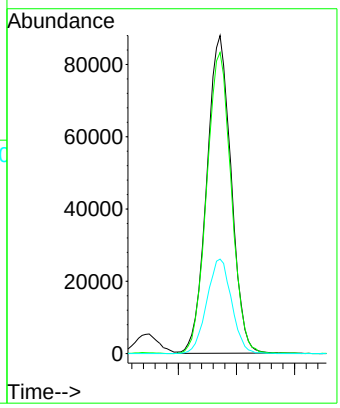
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

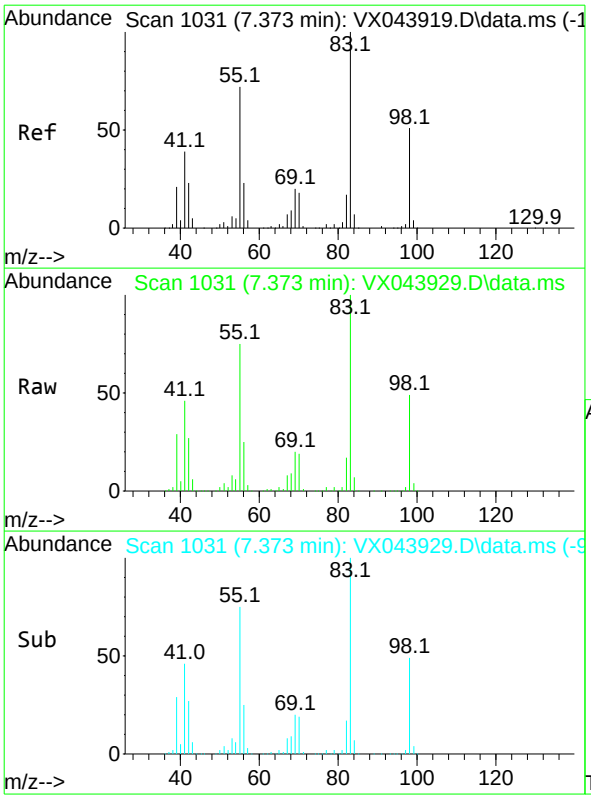



#38
Carbon Tetrachloride
Concen: 117.390 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 78.3 | 117.5 |
| 121 | 29.8 | 25.1 | 37.7 |

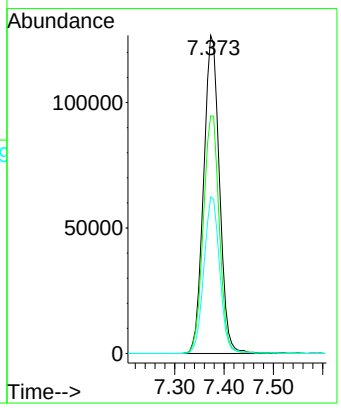





#39
Methylcyclohexane
Concen: 109.652 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 283075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.7 | 57.9 | 86.9 |
| 98 | 49.2 | 40.5 | 60.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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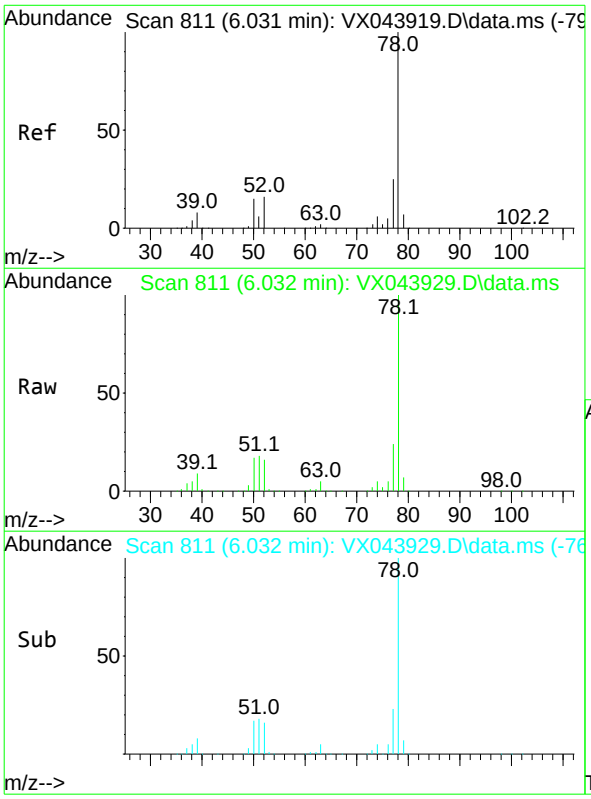
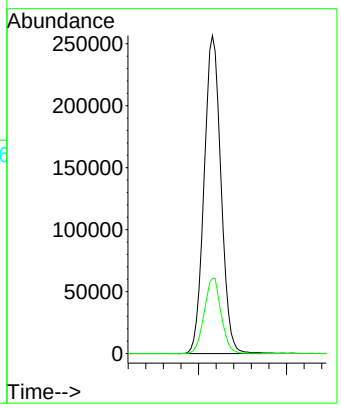
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

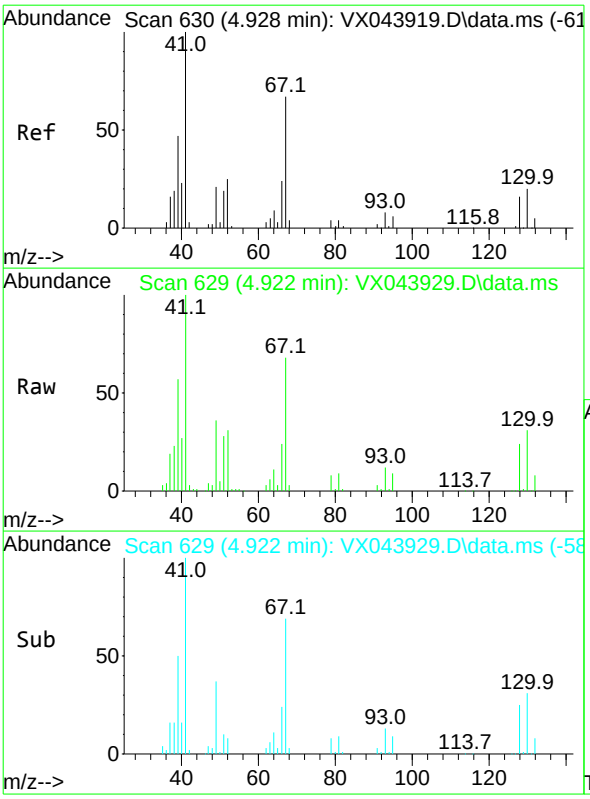



#40
Benzene
Concen: 105.520 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.8 | 29.8 |

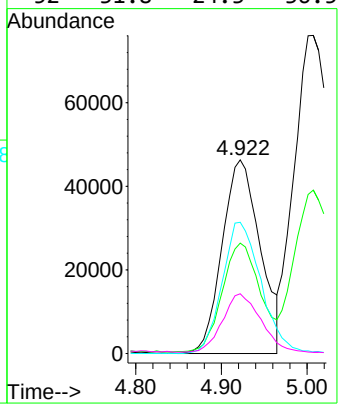





#41
Methacrylonitrile
Concen: 118.447 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 143256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.3 | 41.2 | 61.8 |
| 67 | 69.3 | 60.3 | 90.5 |
| 52 | 31.8 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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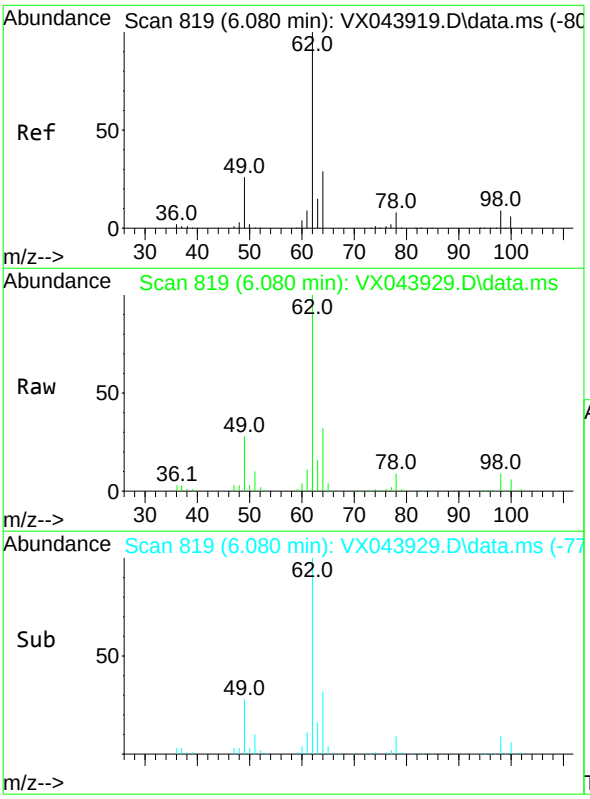
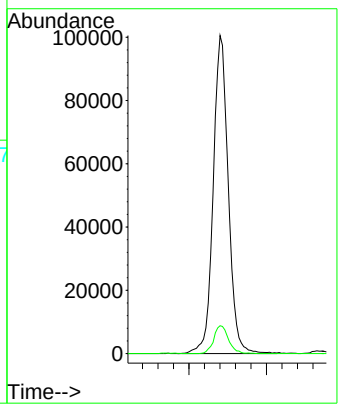
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

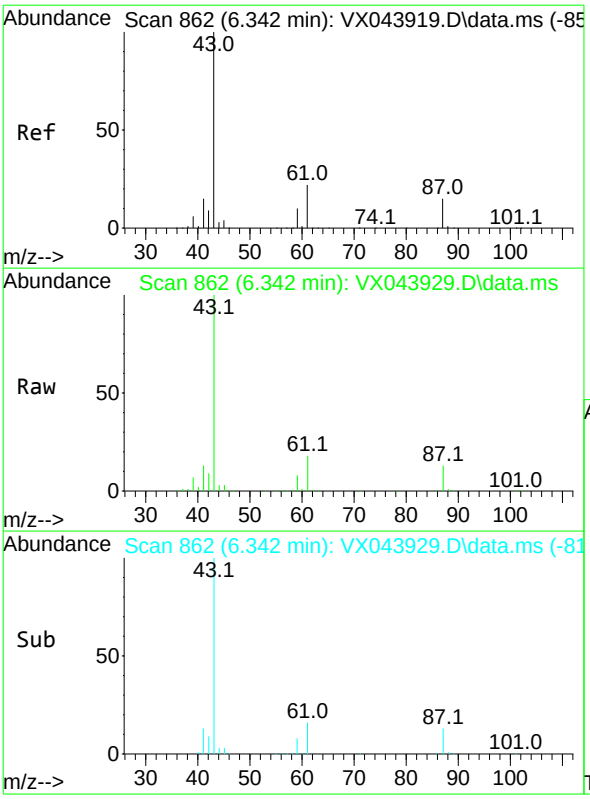



#42
1,2-Dichloroethane
Concen: 115.387 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 18.6 |

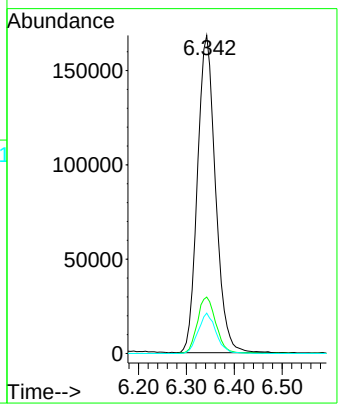





#43
Isopropyl Acetate
Concen: 120.346 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 440615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.3 | 16.9 | 25.3 |
| 87 | 12.7 | 11.9 | 17.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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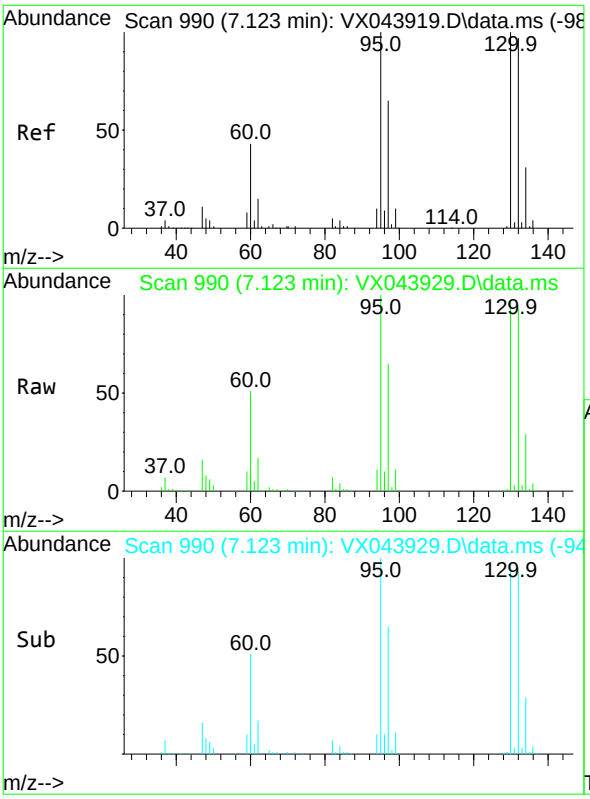
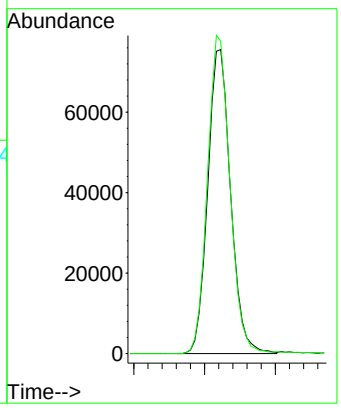
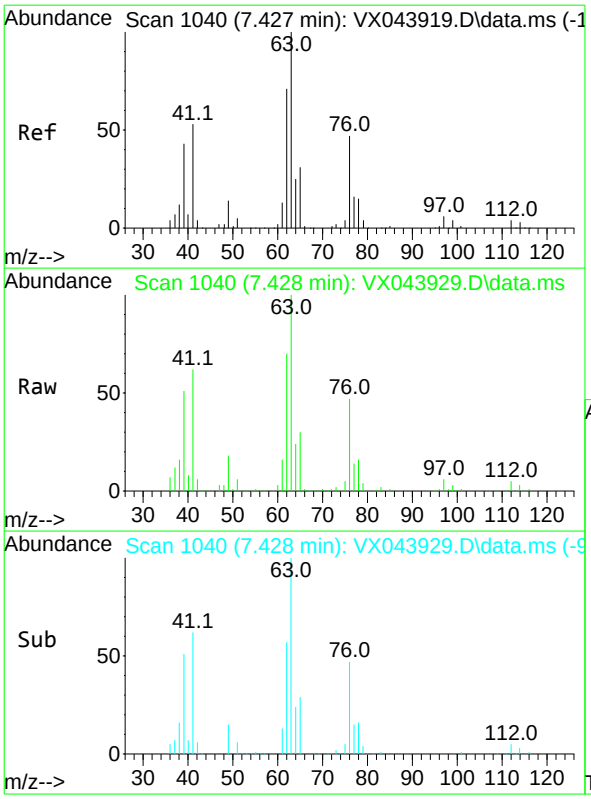



#44
Trichloroethene
Concen: 94.997 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.7 | 0.0 | 200.8 |

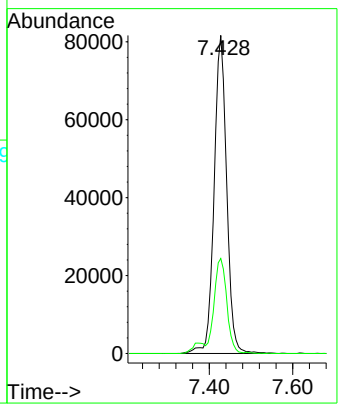





#45
1,2-Dichloropropane
Concen: 107.450 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 170741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.9 | 24.5 | 36.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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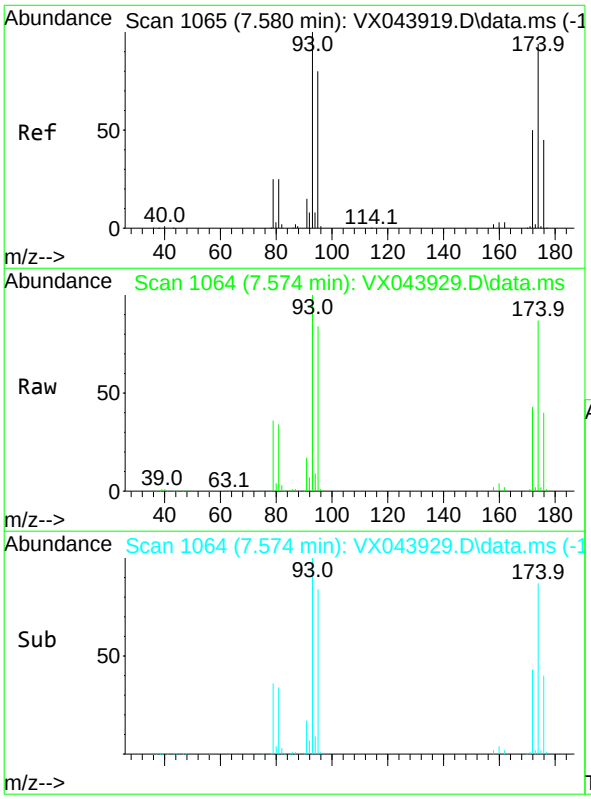
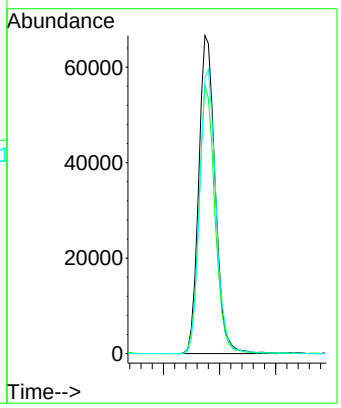
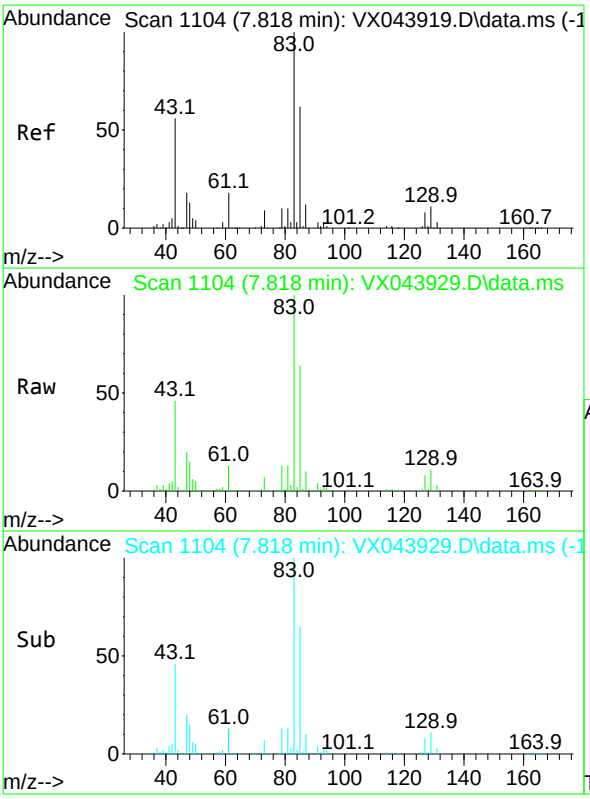



#46
Dibromomethane
Concen: 113.518 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 66.1 | 99.1 |
| 174 | 88.2 | 75.2 | 112.8 |

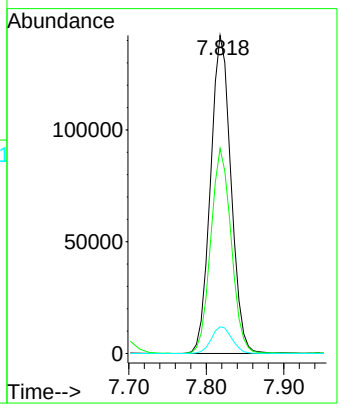





#47
Bromodichloromethane
Concen: 123.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 260442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 49.4 | 74.0 |
| 127 | 8.4 | 6.2 | 9.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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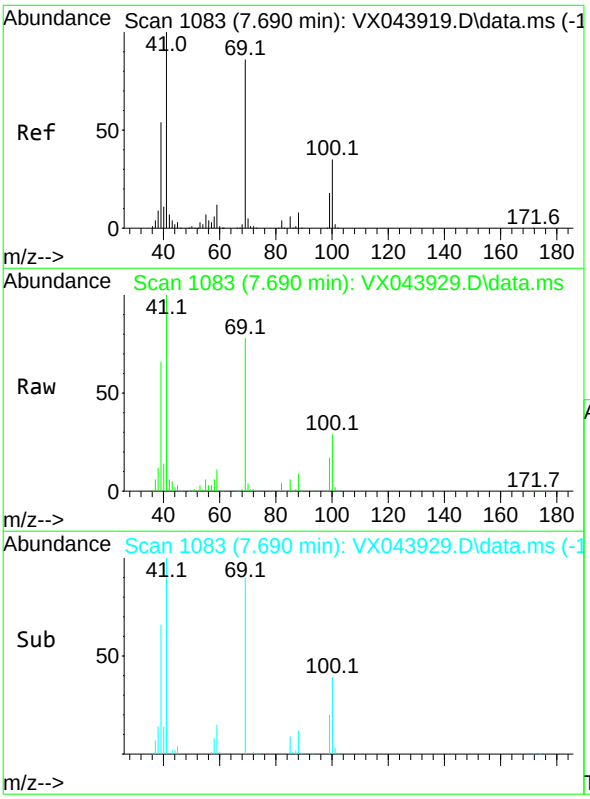
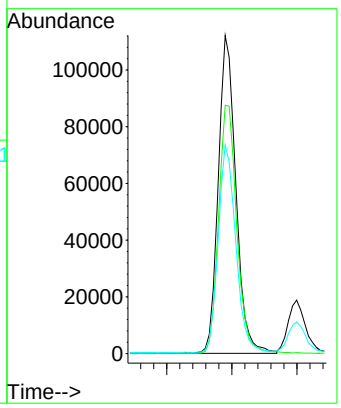
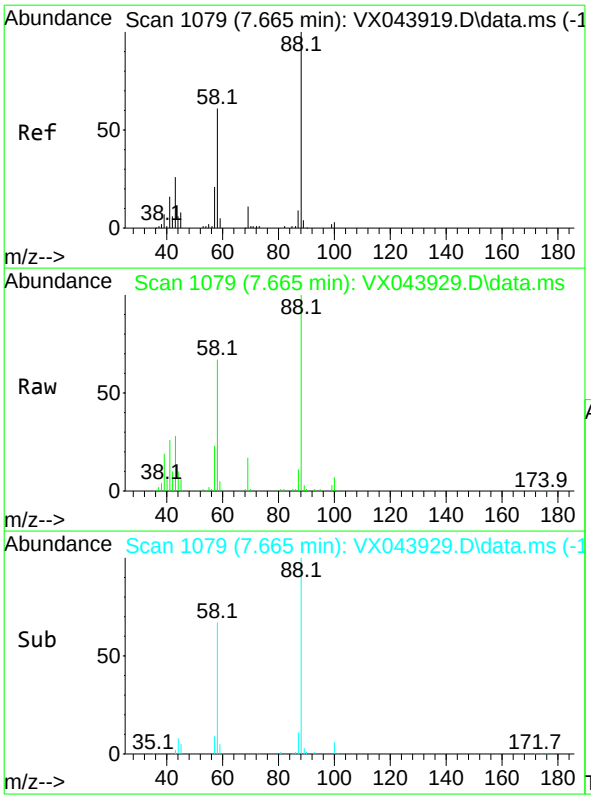



#48
Methyl methacrylate
Concen: 116.061 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.2 | 72.1 | 108.1 |
| 39 | 65.6 | 43.8 | 65.8 |

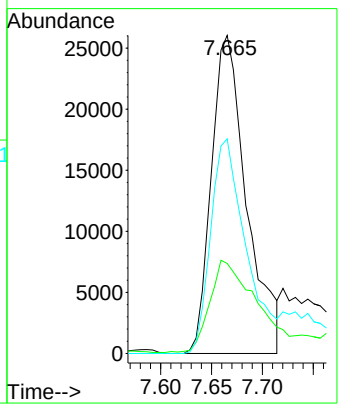





#49
1,4-Dioxane
Concen: 1625.913 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 88 Resp: 62845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.8 | 17.4 | 26.0# |
| 58 | 67.9 | 41.0 | 61.6# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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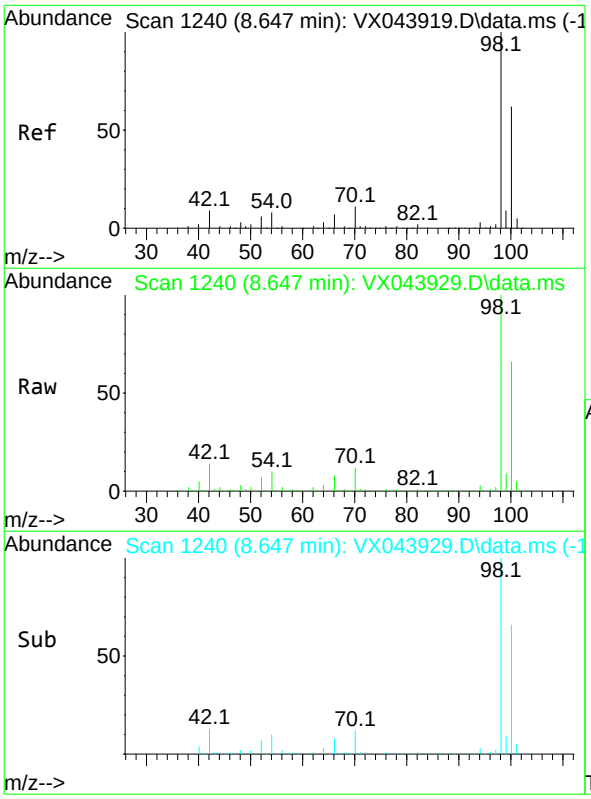
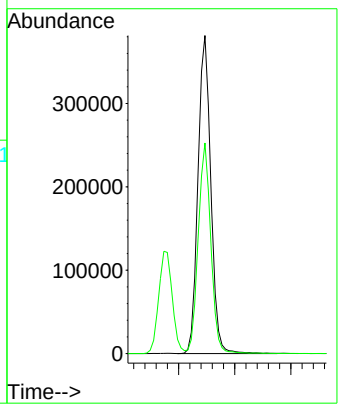
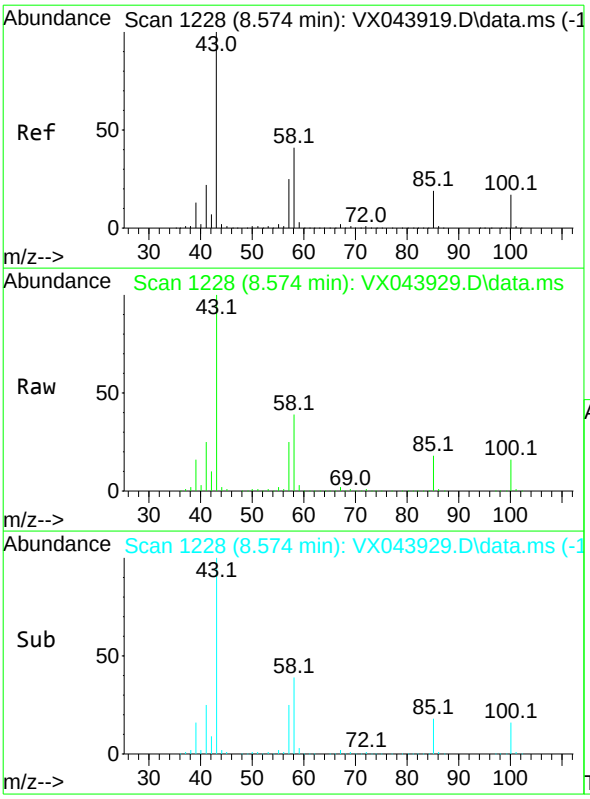



#50
Toluene-d8
Concen: 109.870 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 53.0 | 79.6 |

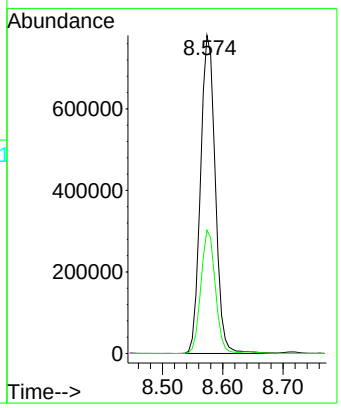





#51
4-Methyl-2-Pentanone
Concen: 582.189 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1329064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 32.4 | 48.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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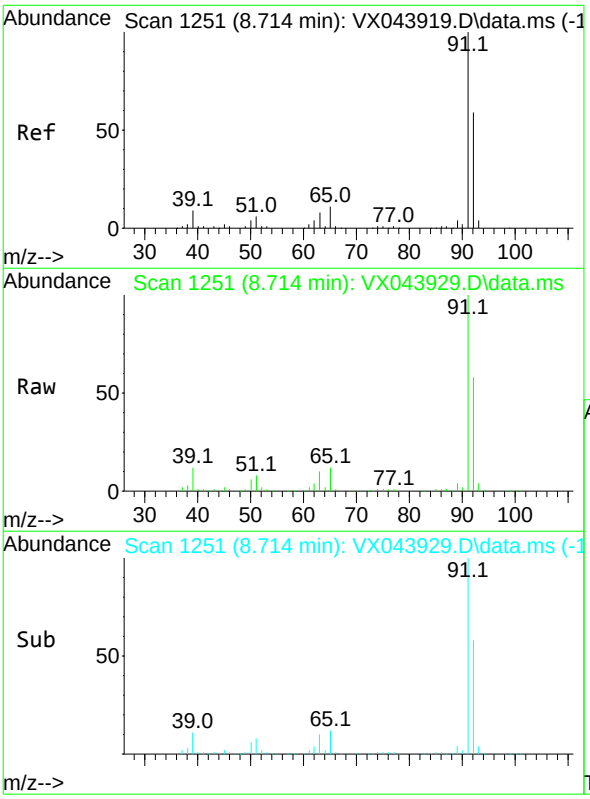
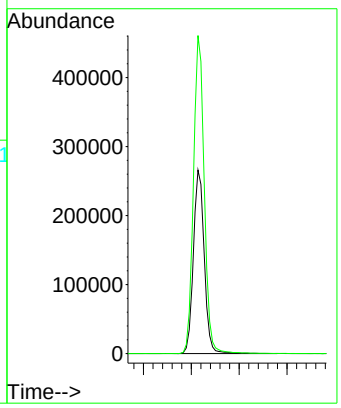
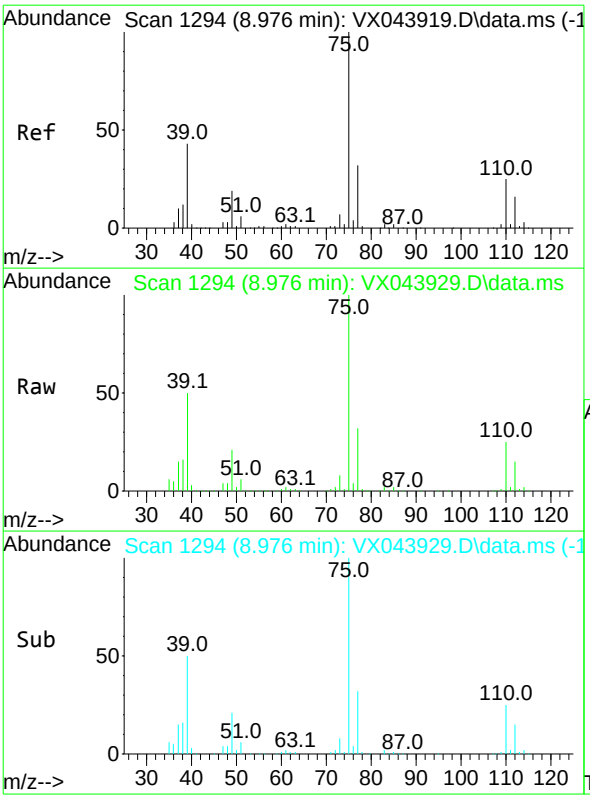



#52
Toluene
Concen: 112.018 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 136.2 | 204.4 |






#53
t-1,3-Dichloropropene
Concen: 126.680 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

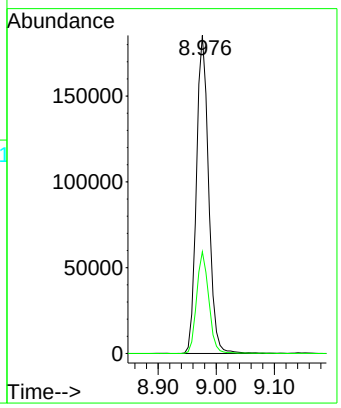
Tgt Ion: 75 Resp: 270418

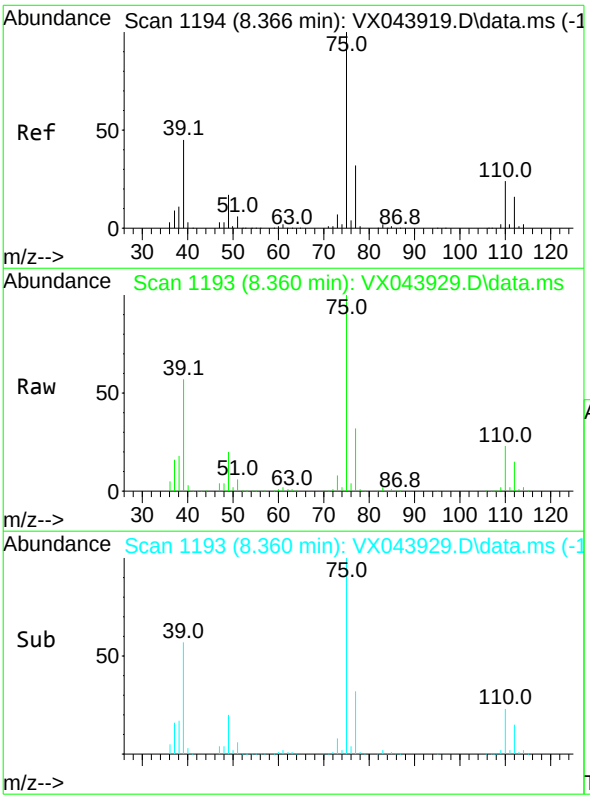
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.9 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

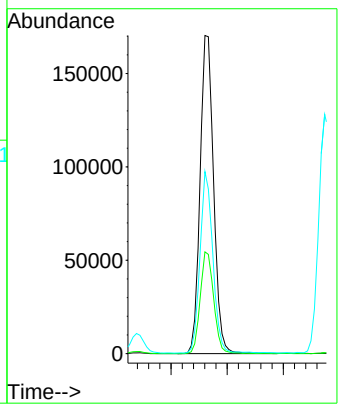


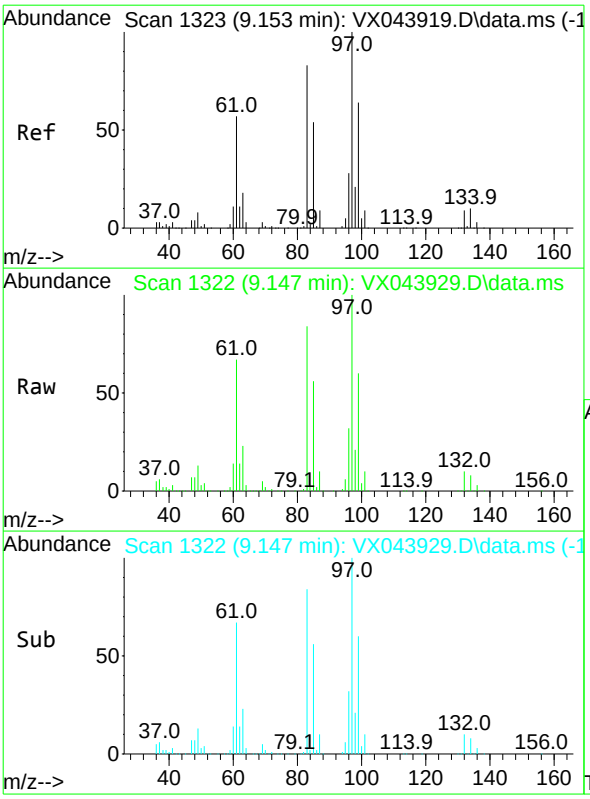




#54
cis-1,3-Dichloropropene
Concen: 118.077 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.4 | 38.2 |
| 39 | 57.0 | 36.1 | 54.1# |

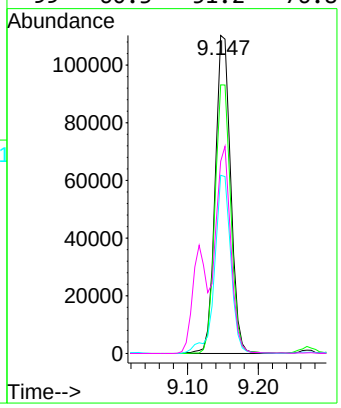





#55
1,1,2-Trichloroethane
Concen: 114.675 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 167357

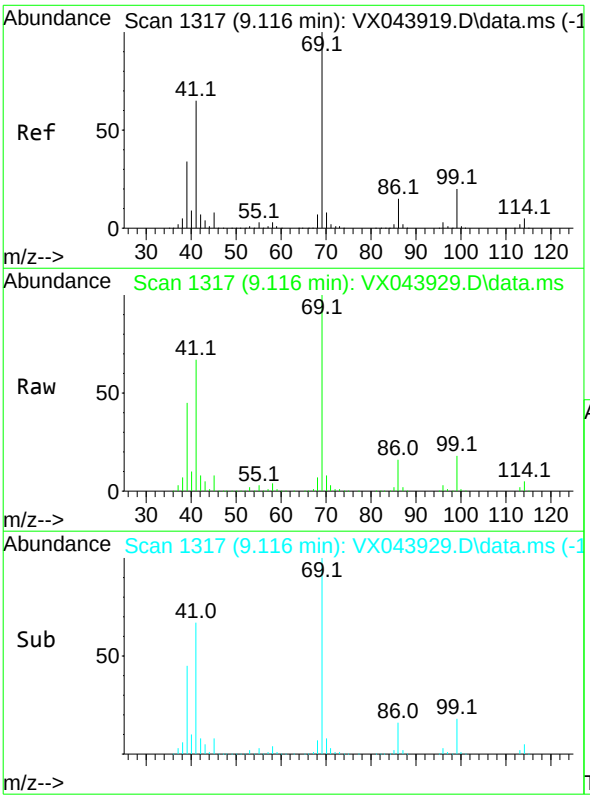
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.5 | 66.5 | 99.7 |
| 85 | 56.0 | 43.4 | 65.2 |
| 99 | 60.3 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

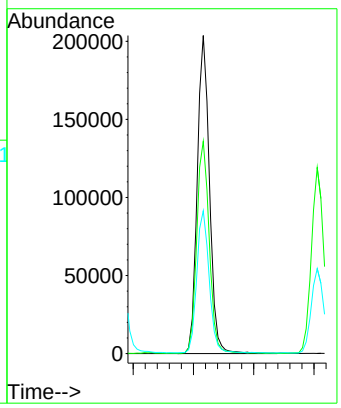
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

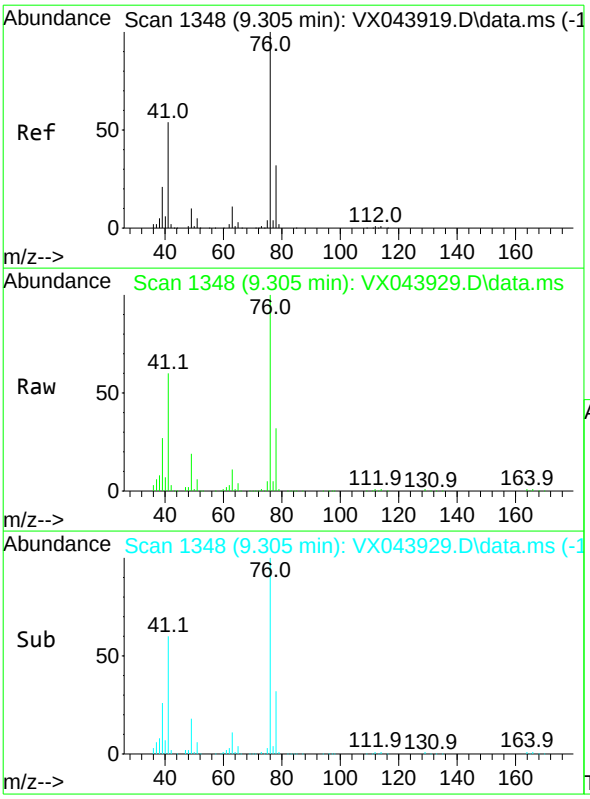



#56
Ethyl methacrylate
Concen: 124.157 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.0 | 51.7 | 77.5 |
| 39 | 45.3 | 26.8 | 40.2# |

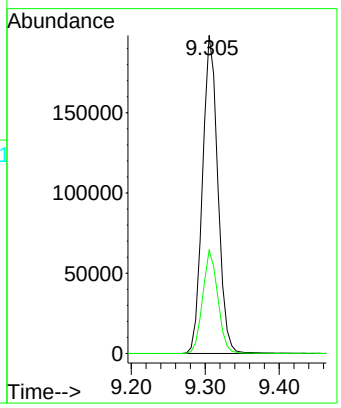





#57
1,3-Dichloropropane
Concen: 116.773 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 76 Resp: 285511

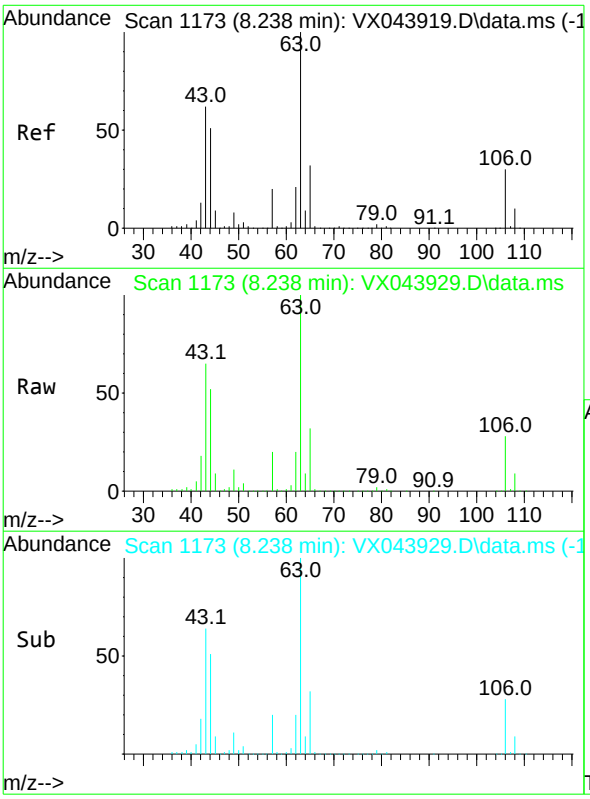
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

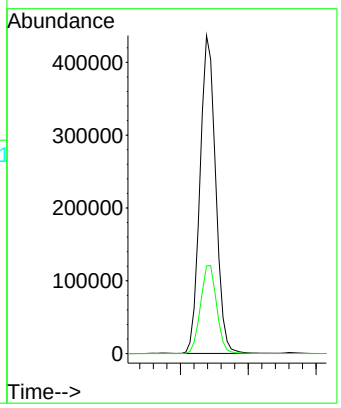
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

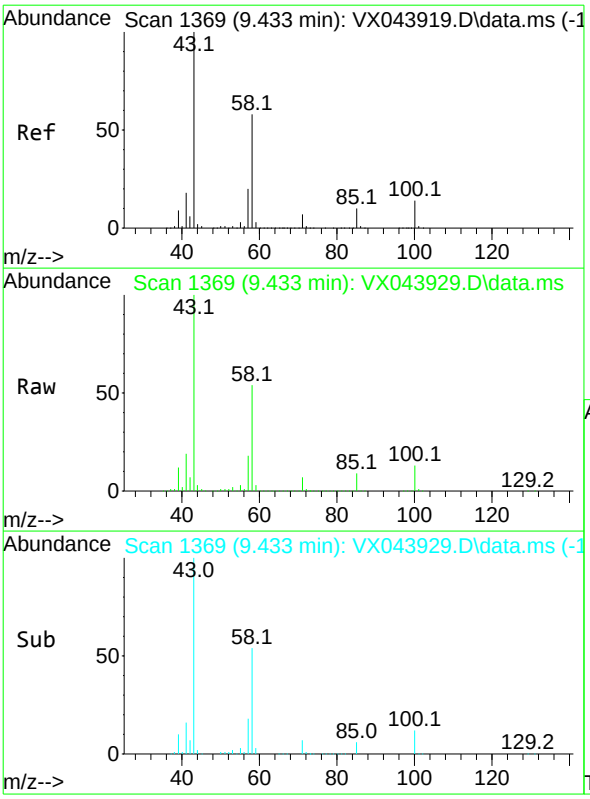



#58
2-Chloroethyl Vinyl ether
Concen: 576.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 23.8 | 35.6 |

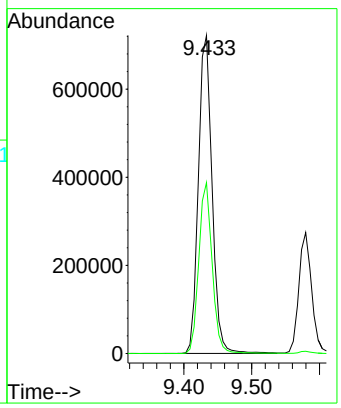





#59
2-Hexanone
Concen: 627.842 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1011261

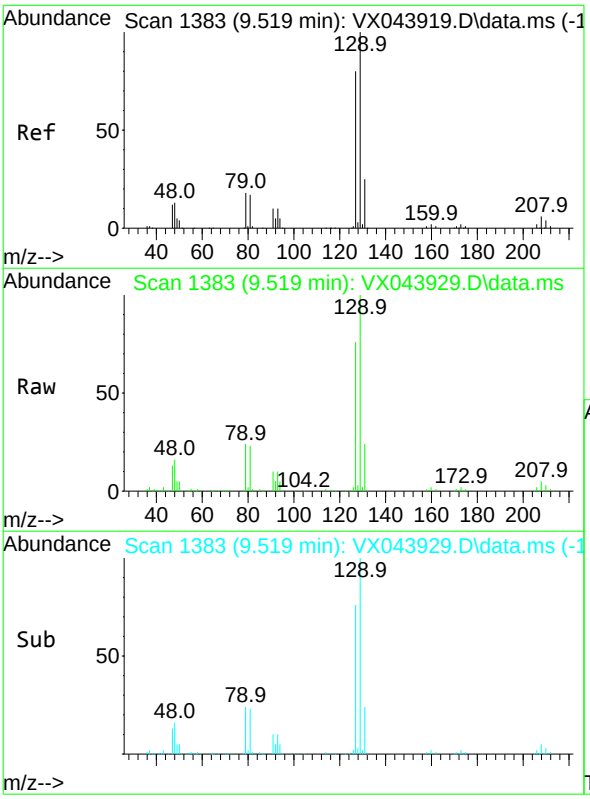
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 28.3 | 84.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

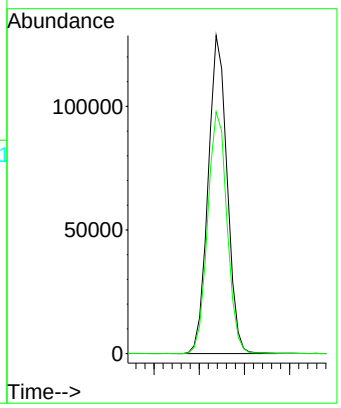
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

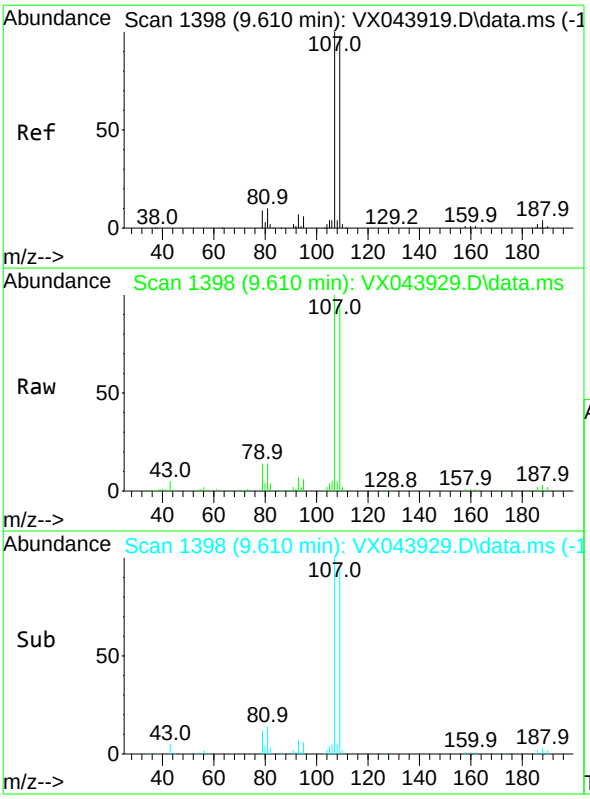



#60
Dibromochloromethane
Concen: 131.832 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.6 | 115.8 |






#61
1,2-Dibromoethane
Concen: 115.841 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

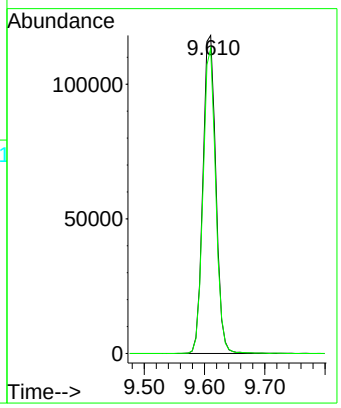
Tgt Ion:107 Resp: 176345

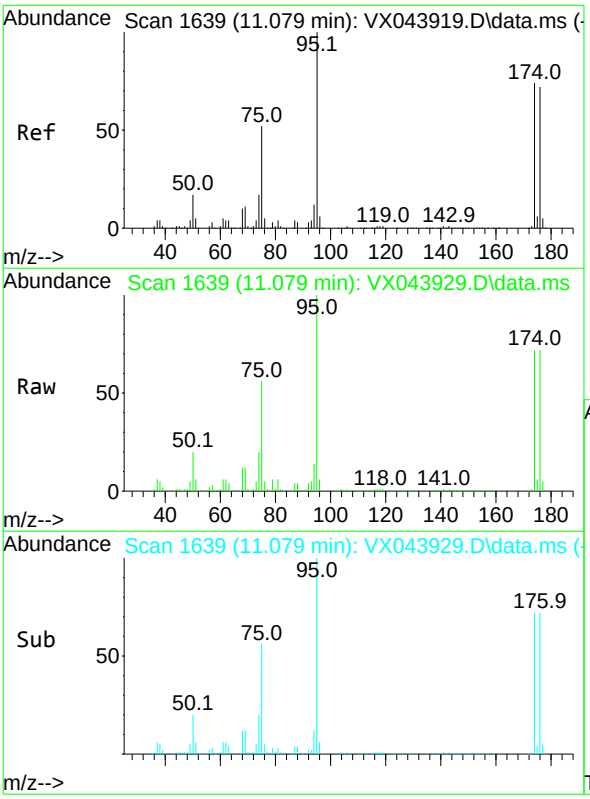
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 76.2 | 114.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

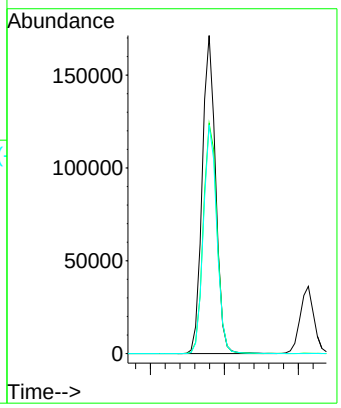


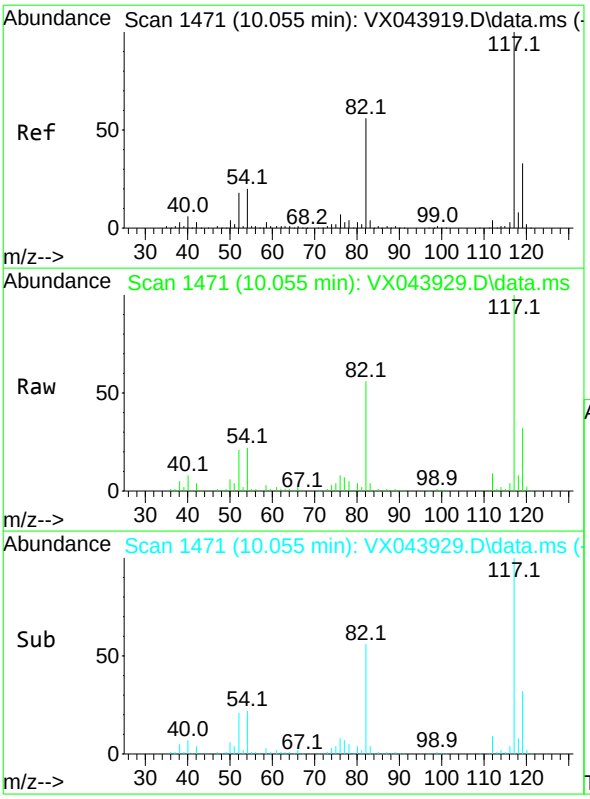




#62
4-Bromofluorobenzene
Concen: 118.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.1 | 0.0 | 152.2 |
| 176 | 71.8 | 0.0 | 145.8 |

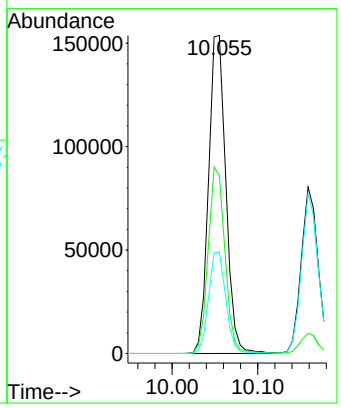





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 215595

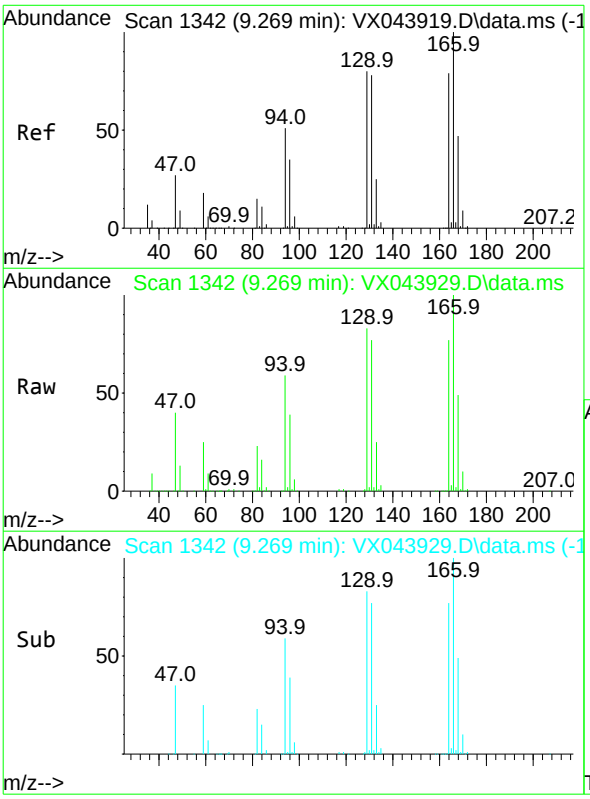
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 44.6 | 67.0 |
| 119 | 31.9 | 26.5 | 39.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

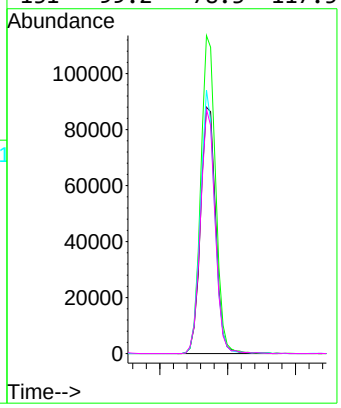
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

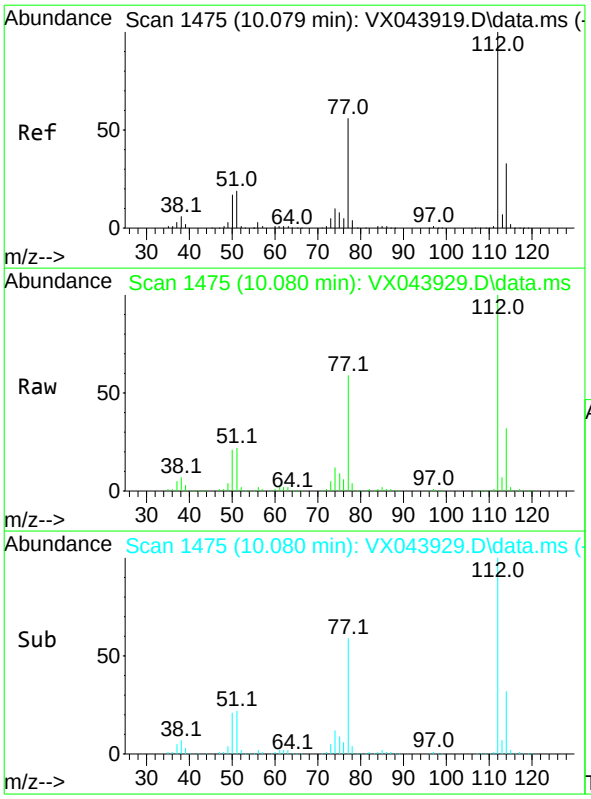



#64
Tetrachloroethene
Concen: 98.157 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 100.9 | 151.3 |
| 129 | 107.0 | 80.3 | 120.5 |
| 131 | 99.2 | 78.3 | 117.5 |






#65
Chlorobenzene
Concen: 102.382 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

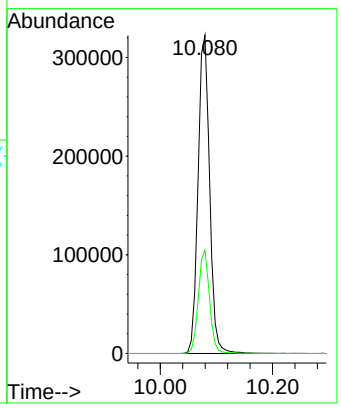
Tgt Ion:112 Resp: 461076

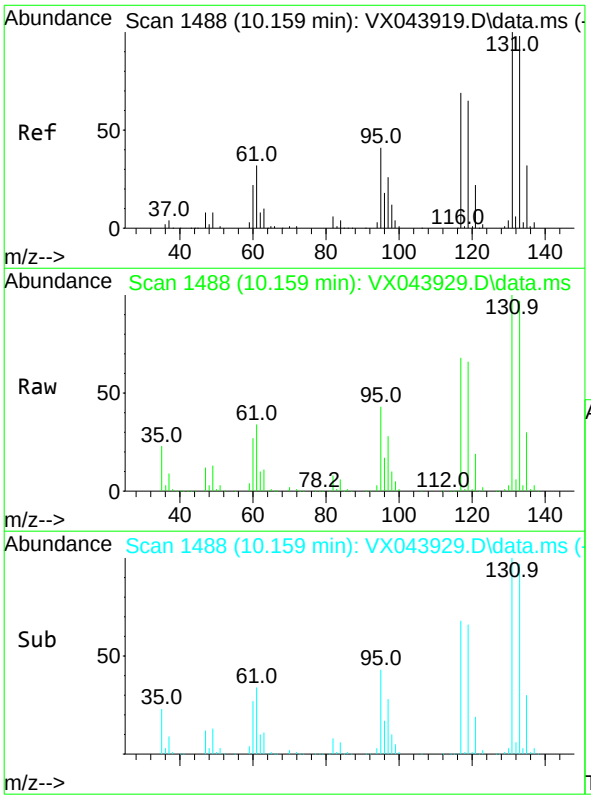
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 26.1 | 39.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

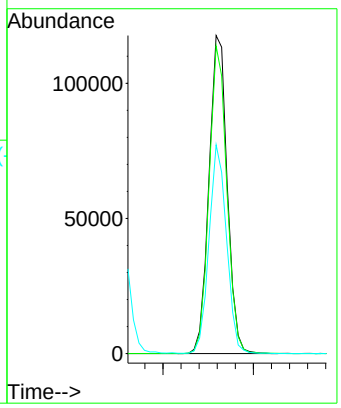


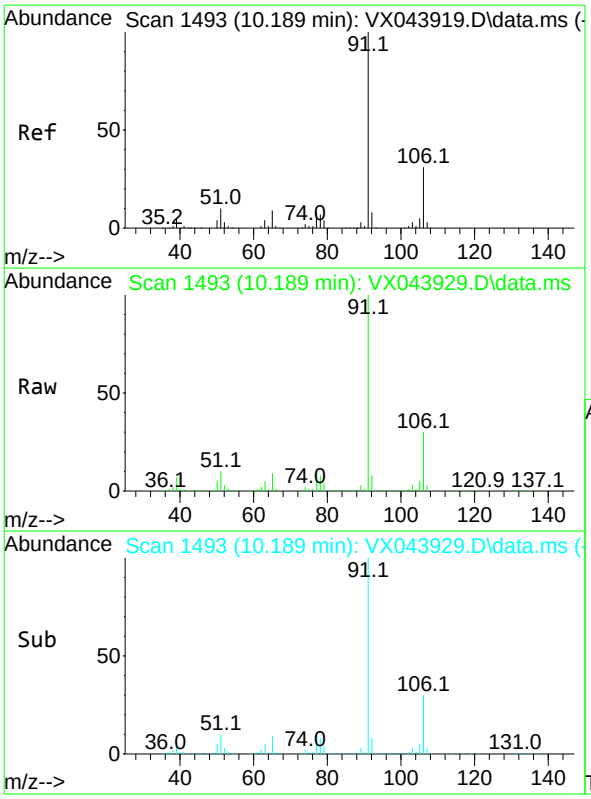




#66
1,1,1,2-Tetrachloroethane
Concen: 109.812 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 48.8 | 146.3 |
| 119 | 63.2 | 32.9 | 98.7 |






#67
Ethyl Benzene
Concen: 107.178 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

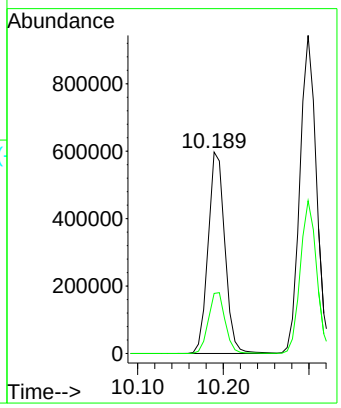
Tgt Ion: 91 Resp: 812289

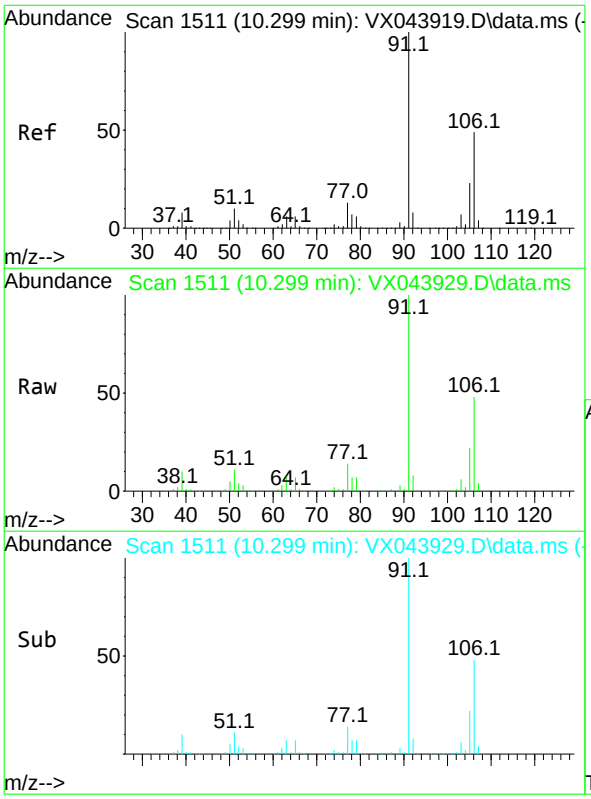
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

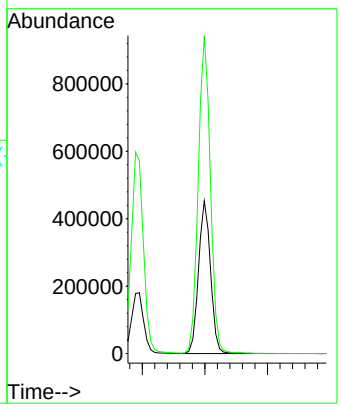


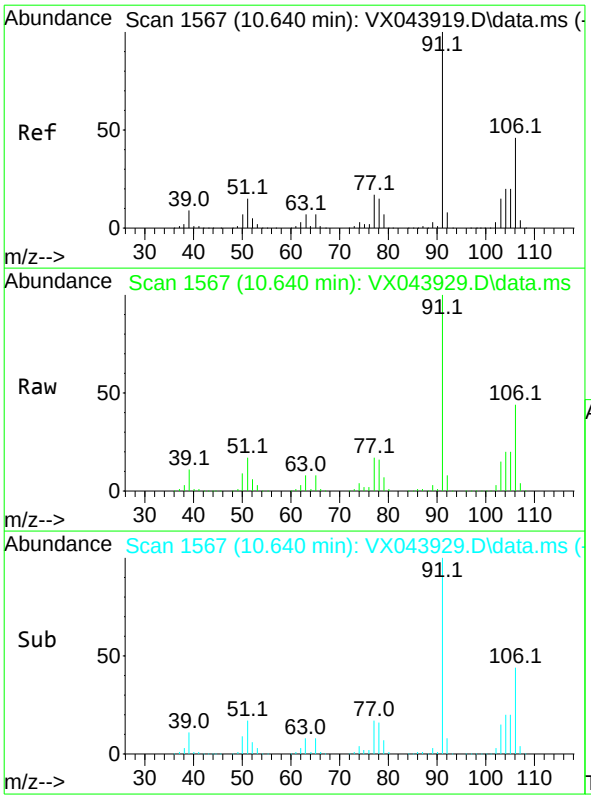




#68
m/p-Xylenes
Concen: 213.769 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.3 | 163.3 | 244.9 |

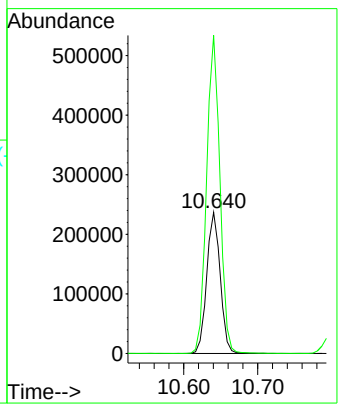





#69
o-Xylene
Concen: 108.462 ug/l
RT: 10.640 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 298739

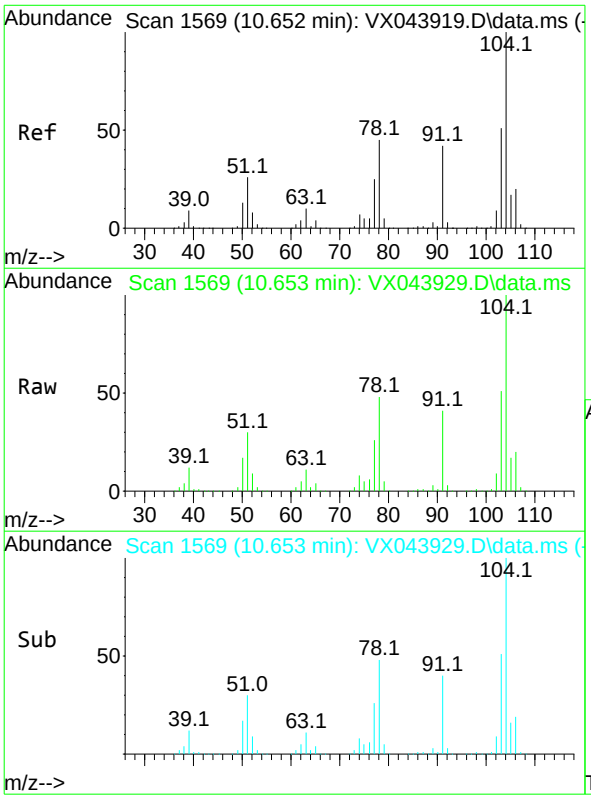
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 109.6 | 328.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

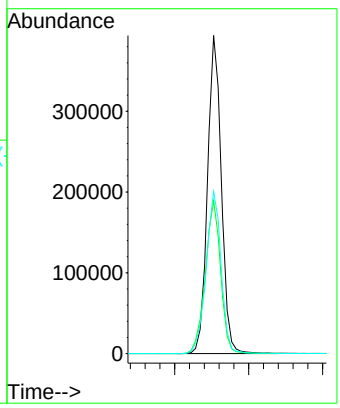
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

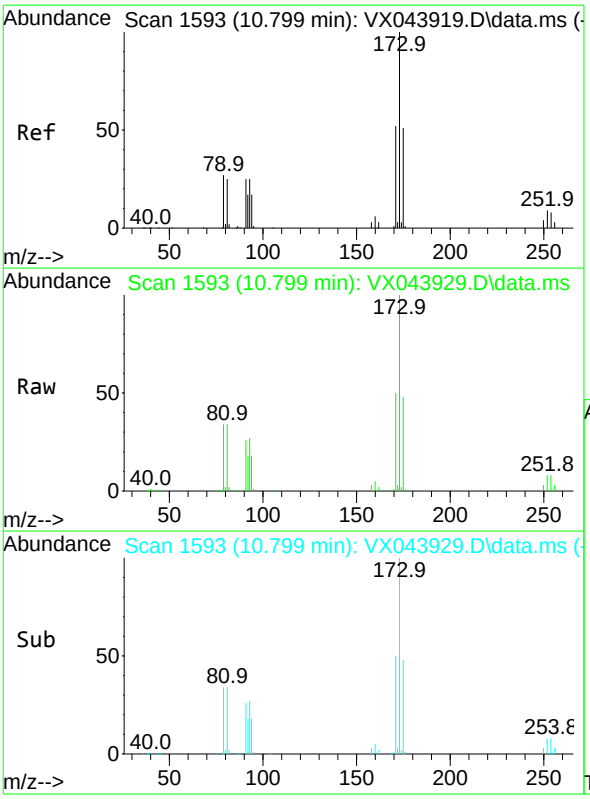



#70
Styrene
Concen: 112.628 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 40.3 | 60.5 |
| 103 | 55.4 | 43.9 | 65.9 |

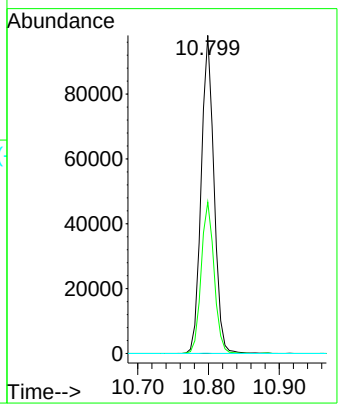





#71
Bromoform
Concen: 125.866 ug/l
RT: 10.799 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:173 Resp: 123114

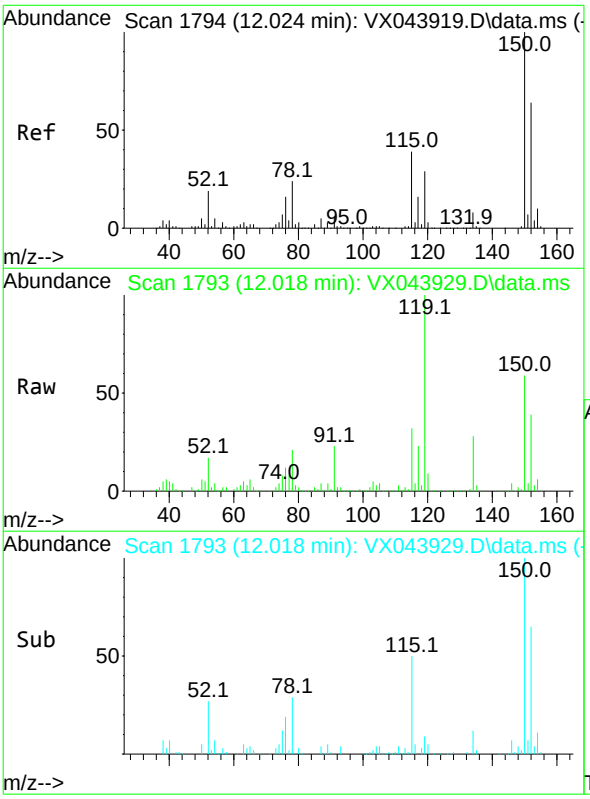
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.6 | 73.8 |
| 254 | 0.0 | 0.1 | 0.1# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

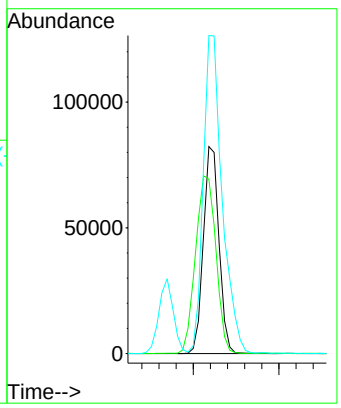
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

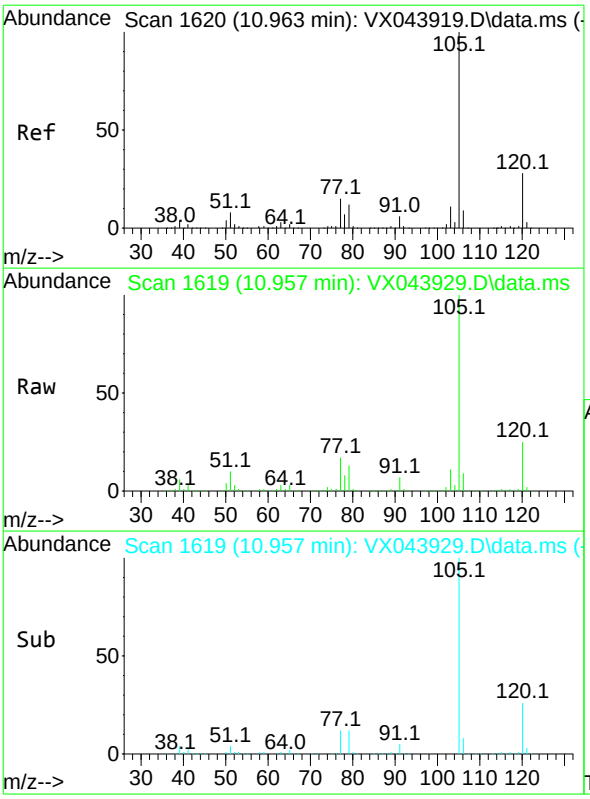



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 112.2 | 42.1 | 126.3 |
| 150 | 186.1 | 0.0 | 348.2 |

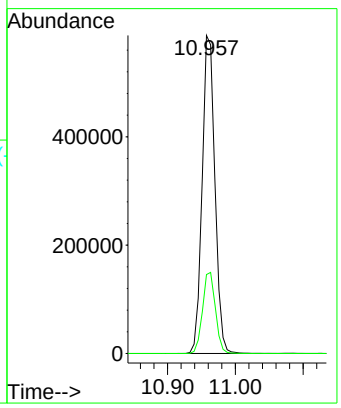





#73
Isopropylbenzene
Concen: 103.086 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 765623

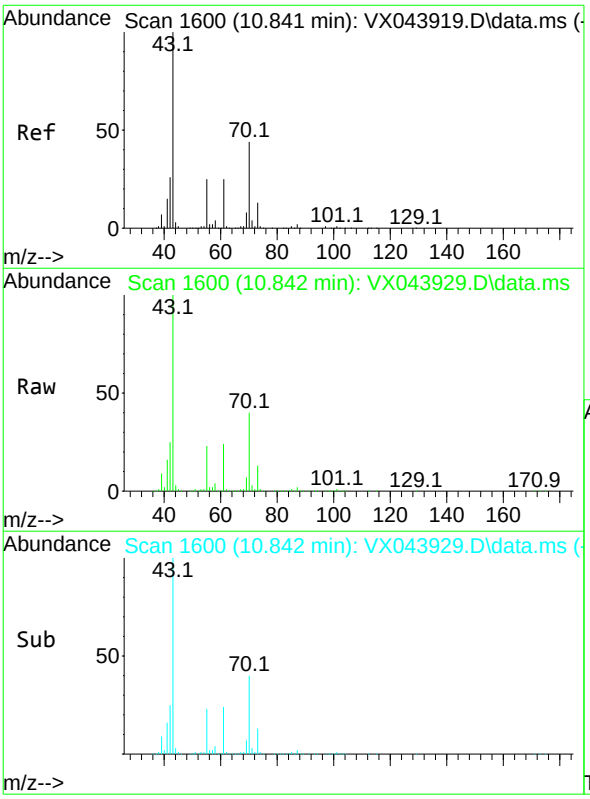
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.3 | 39.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

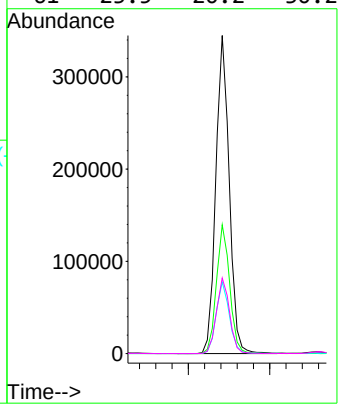
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

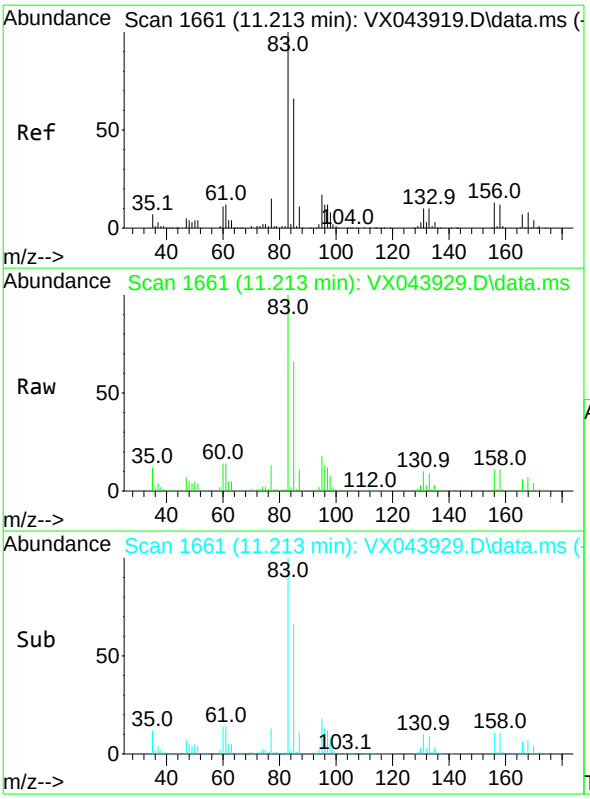



#74
N-amyl acetate
Concen: 119.112 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 36.5 | 54.7 |
| 55 | 22.3 | 19.6 | 29.4 |
| 61 | 23.5 | 20.2 | 30.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 104.456 ug/l
RT: 11.213 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

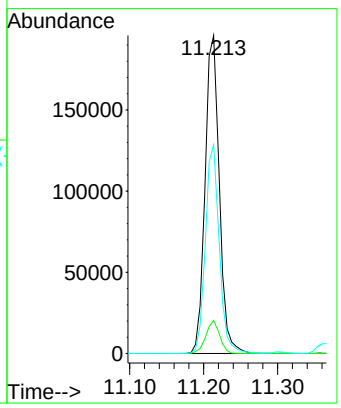
Tgt Ion: 83 Resp: 262302

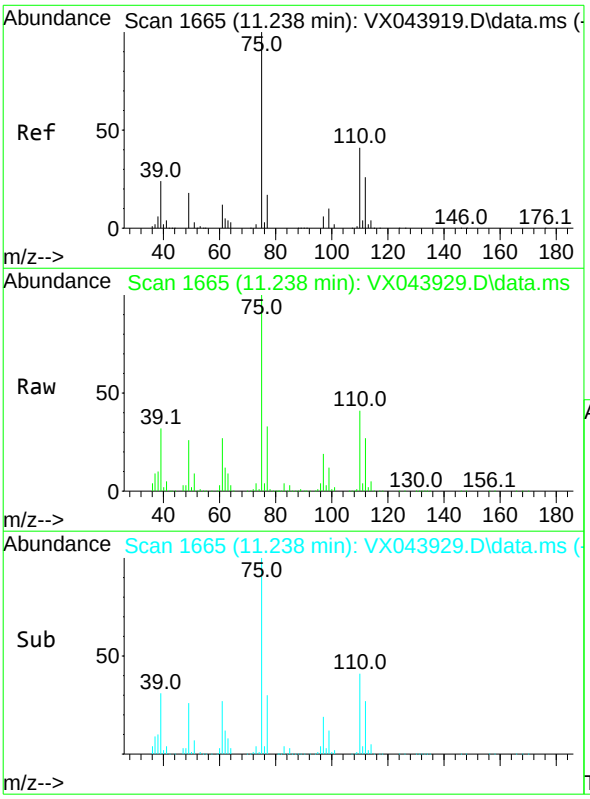
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.3 |
| 85 | 64.1 | 32.3 | 96.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

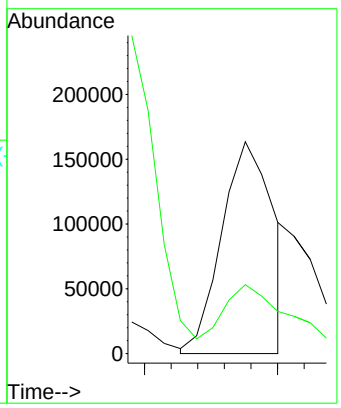


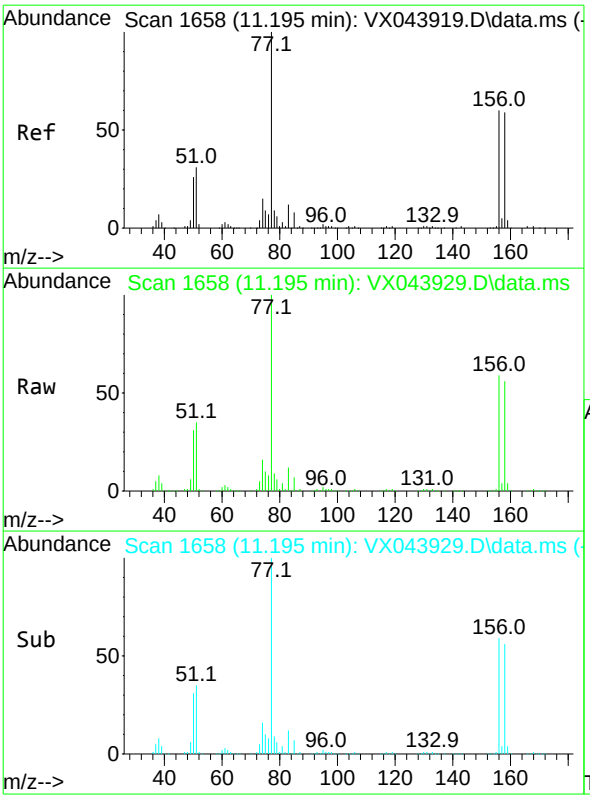




#76
1,2,3-Trichloropropane
Concen: 103.148 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 219028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.5 | 22.4 | 67.0 |

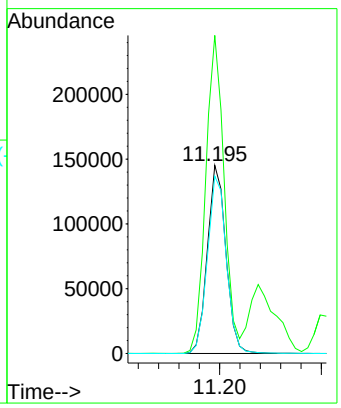





#77
Bromobenzene
Concen: 100.944 ug/l
RT: 11.195 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:156 Resp: 183742

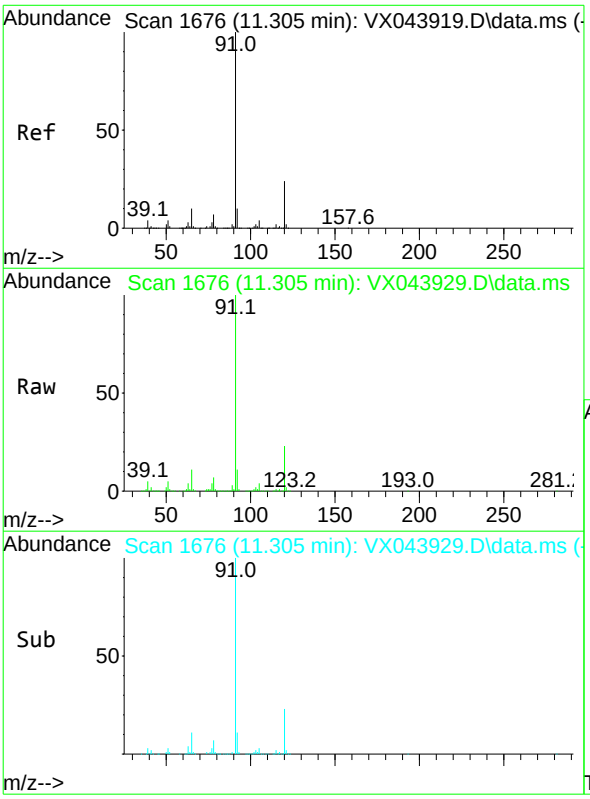
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.9 | 81.2 | 243.6 |
| 158 | 96.3 | 48.6 | 145.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

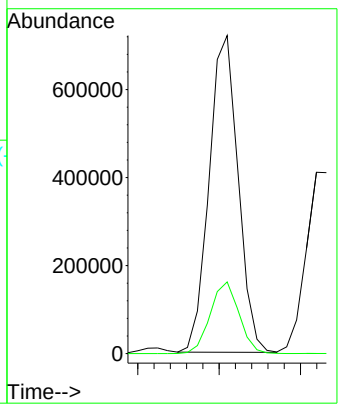
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

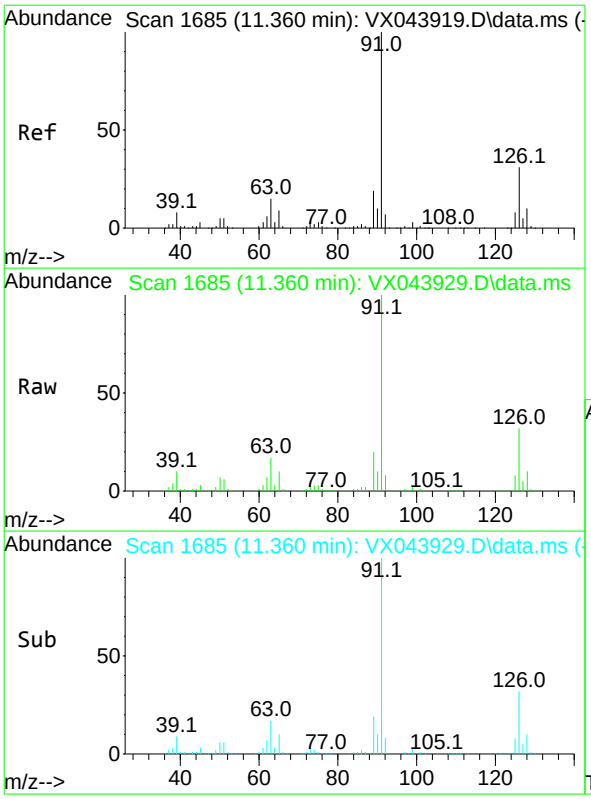



#78
n-propylbenzene
Concen: 108.835 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.5 |






#79
2-Chlorotoluene
Concen: 103.022 ug/l
RT: 11.360 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

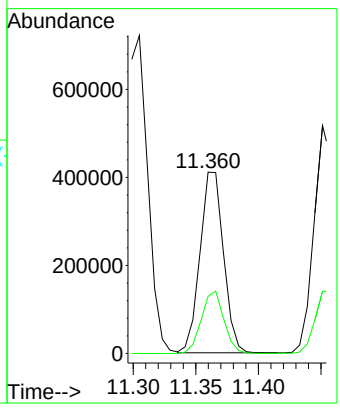
Tgt Ion: 91 Resp: 537190

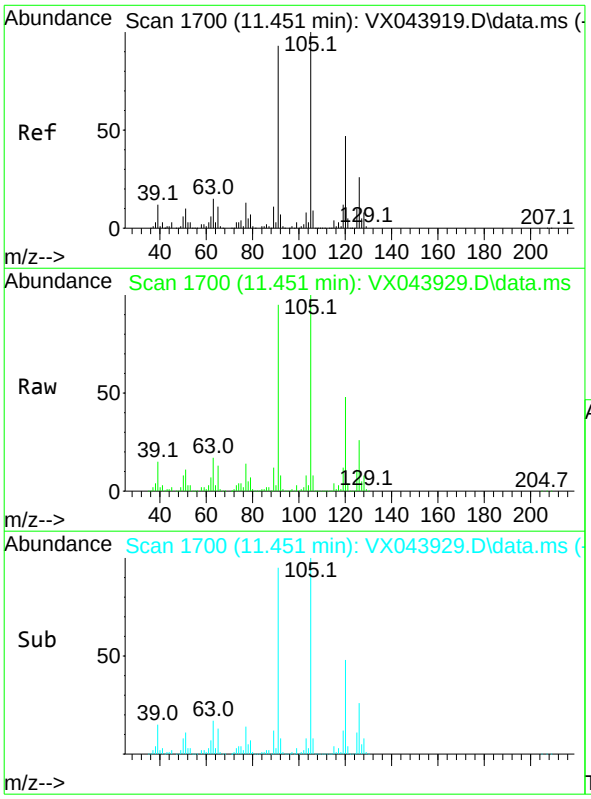
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.4 | 49.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

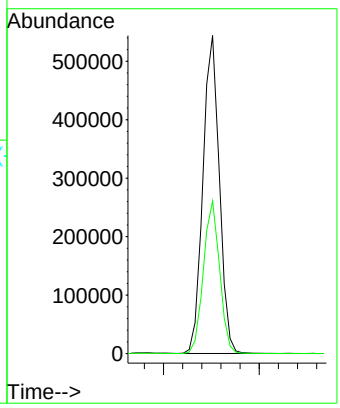


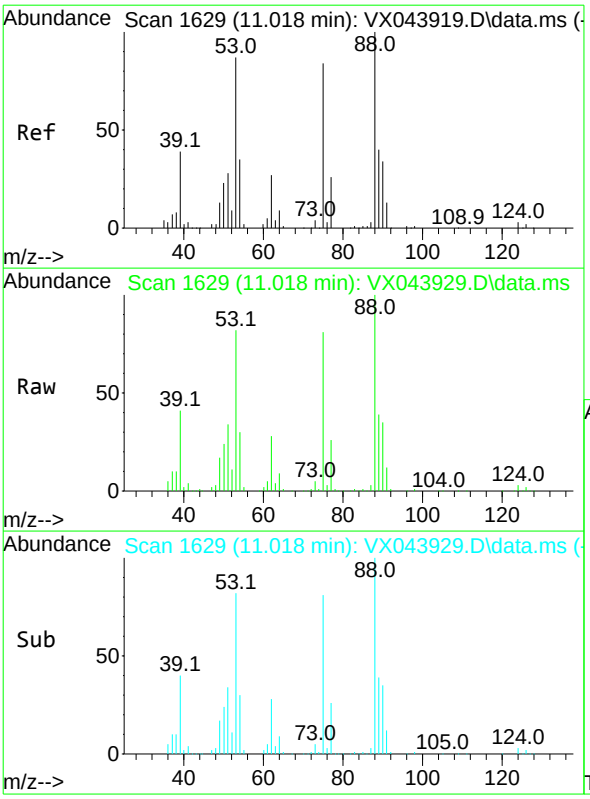




#80
1,3,5-Trimethylbenzene
Concen: 105.408 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.8 | 71.5 |






#81
trans-1,4-Dichloro-2-butene
Concen: 116.733 ug/l
RT: 11.018 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

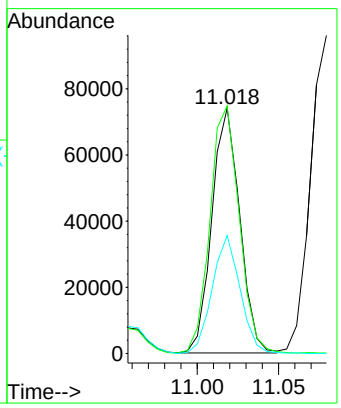
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

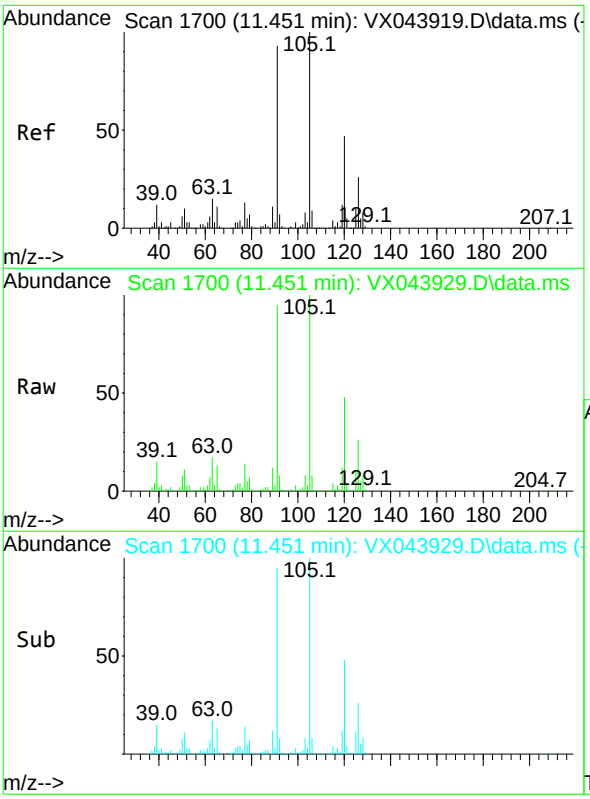
Tgt Ion: 75 Resp: 88041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 106.0 | 81.7 | 122.5 |
| 89 | 48.3 | 38.6 | 57.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

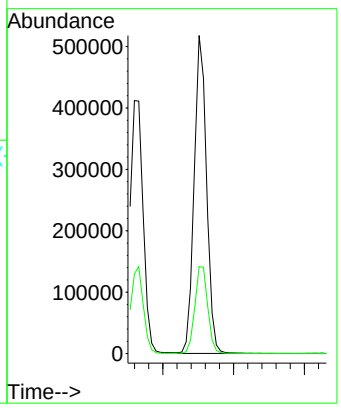


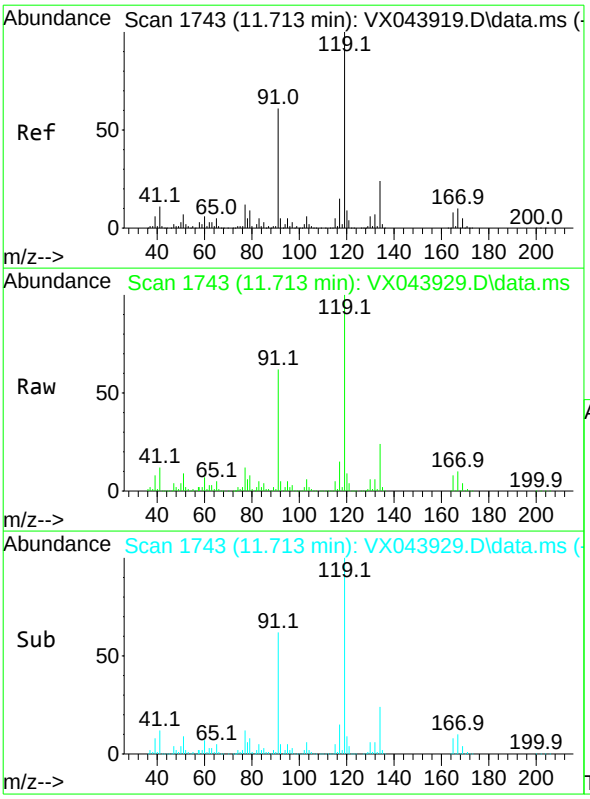




#82
4-Chlorotoluene
Concen: 104.841 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.4 | 43.2 |

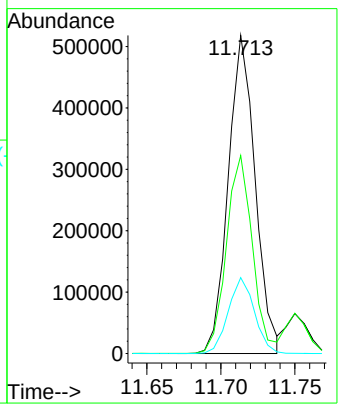





#83
tert-Butylbenzene
Concen: 104.157 ug/l
RT: 11.713 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 655918

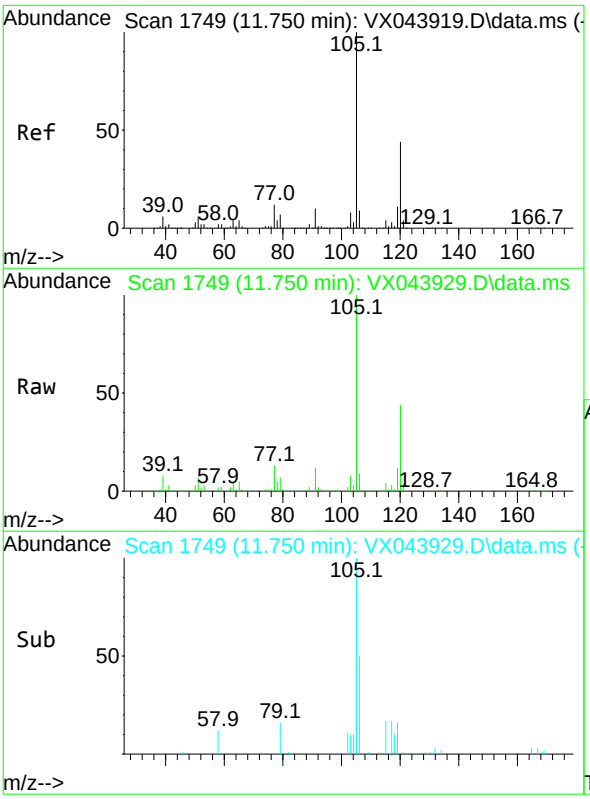
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.2 | 29.5 | 88.6 |
| 134 | 23.1 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

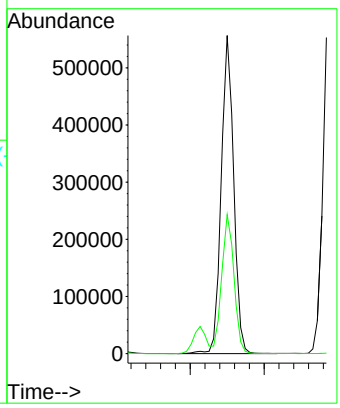
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

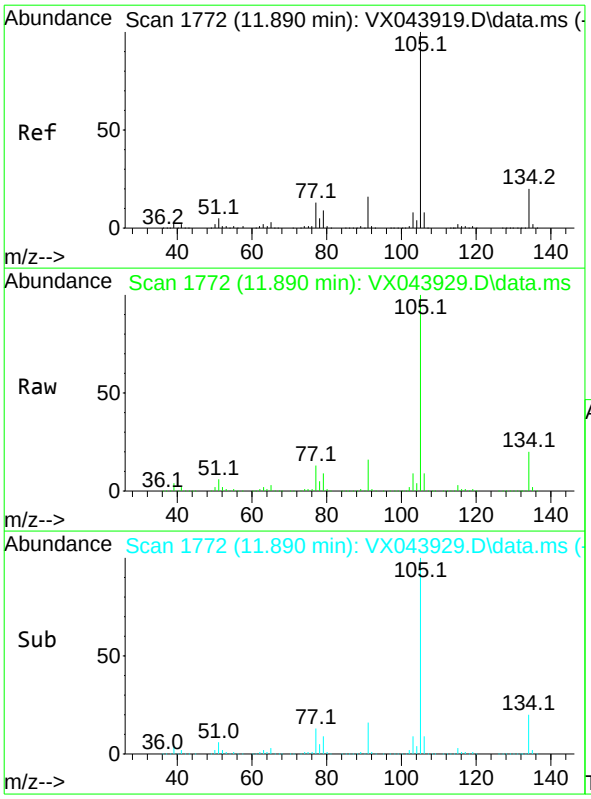



#84
1,2,4-Trimethylbenzene
Concen: 103.992 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 21.7 | 65.1 |






#85
sec-Butylbenzene
Concen: 105.481 ug/l
RT: 11.890 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

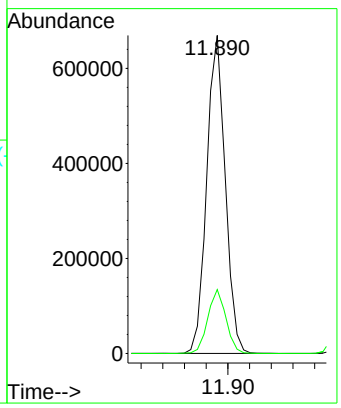
Tgt Ion:105 Resp: 793233

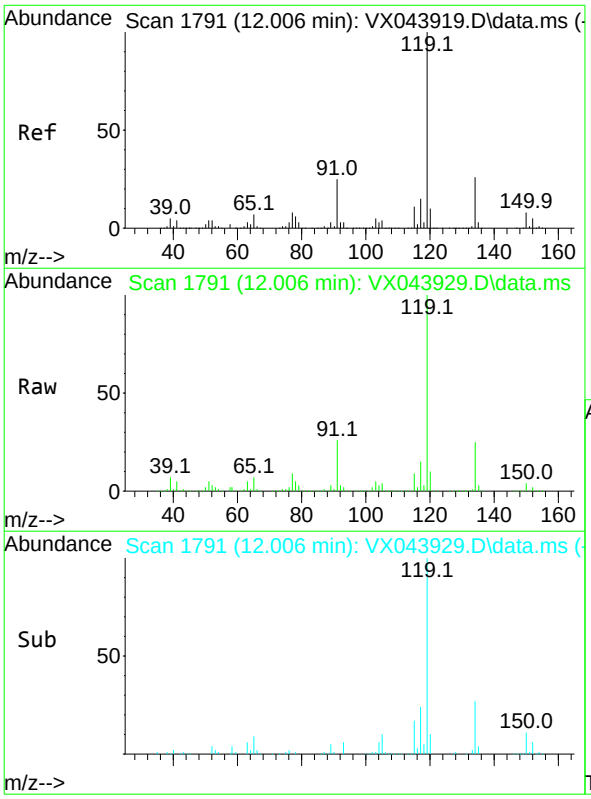
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 10.0 | 29.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

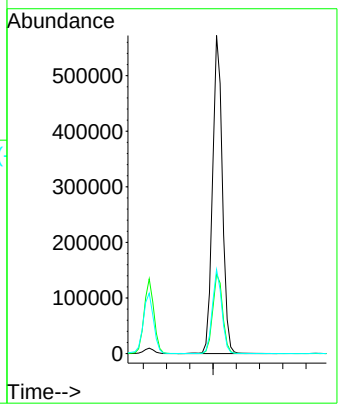


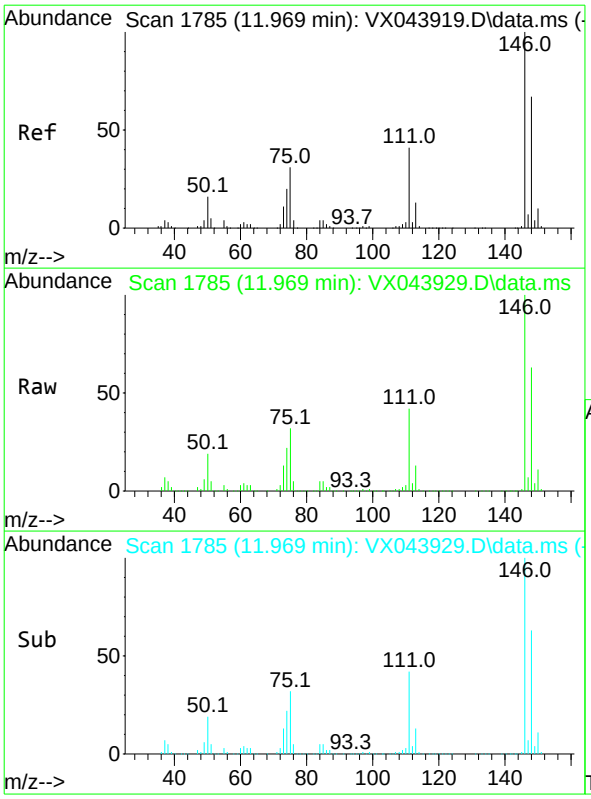




#86
p-Isopropyltoluene
Concen: 106.078 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 13.0 | 38.9 |
| 91 | 25.4 | 12.3 | 36.8 |

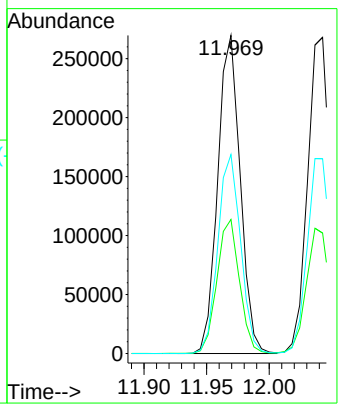





#87
1,3-Dichlorobenzene
Concen: 100.095 ug/l
RT: 11.969 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 337665

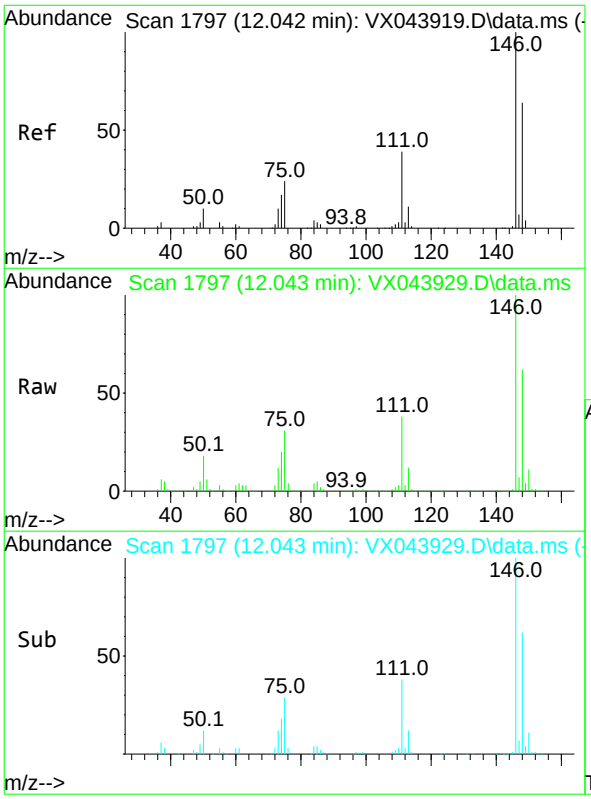
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 20.8 | 62.2 |
| 148 | 63.1 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

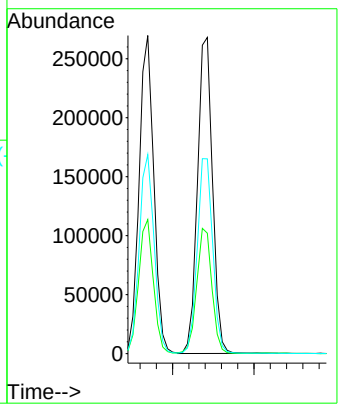
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

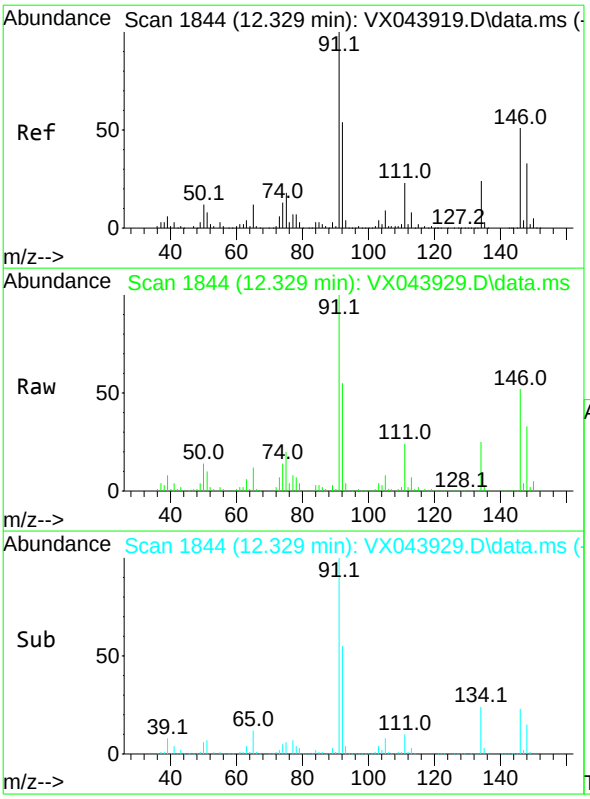



#88
1,4-Dichlorobenzene
Concen: 99.262 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.1 | 60.2 |
| 148 | 63.7 | 32.2 | 96.6 |






#89
n-Butylbenzene
Concen: 112.498 ug/l
RT: 12.329 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

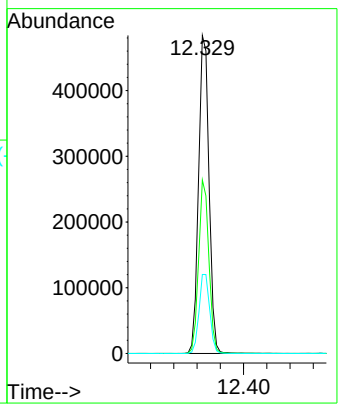
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

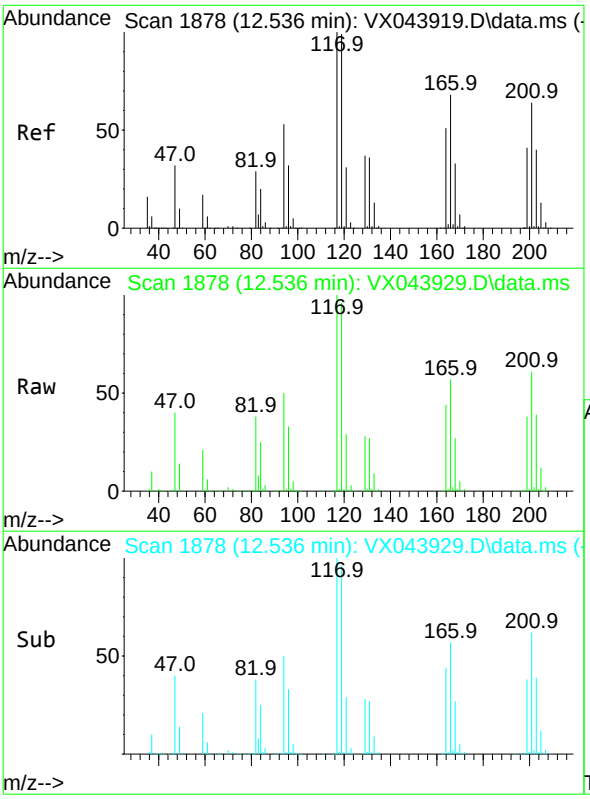
Tgt Ion: 91 Resp: 605284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.9 | 80.6 |
| 134 | 25.4 | 12.9 | 38.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

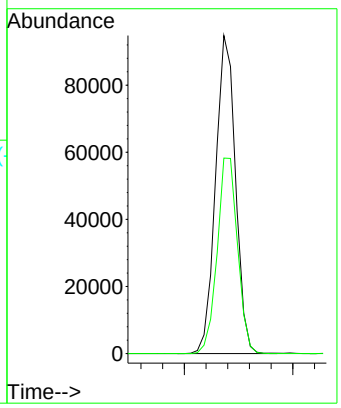


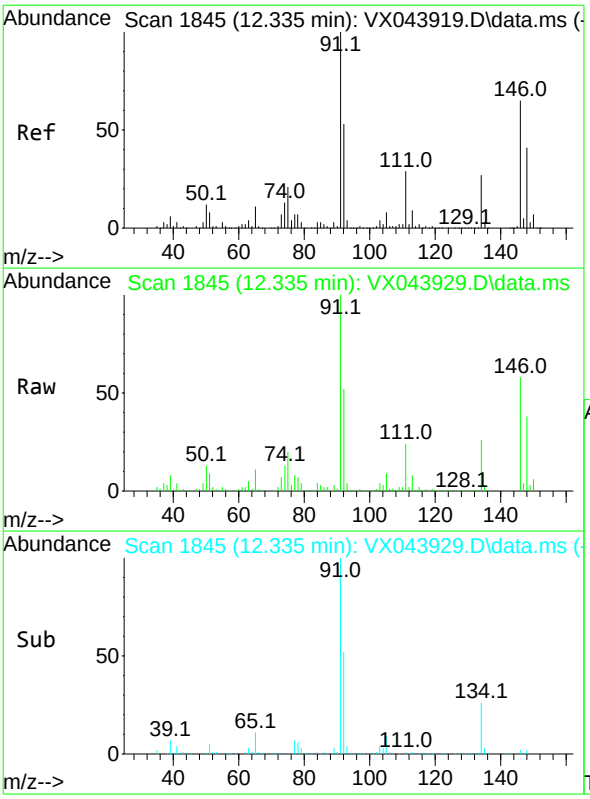




#90
Hexachloroethane
Concen: 113.763 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.9 | 34.1 | 102.3 |






#91
1,2-Dichlorobenzene
Concen: 96.765 ug/l
RT: 12.335 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

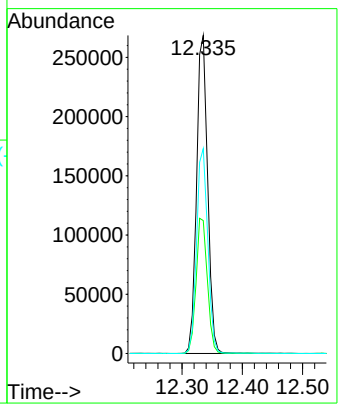
Tgt Ion:146 Resp: 341767

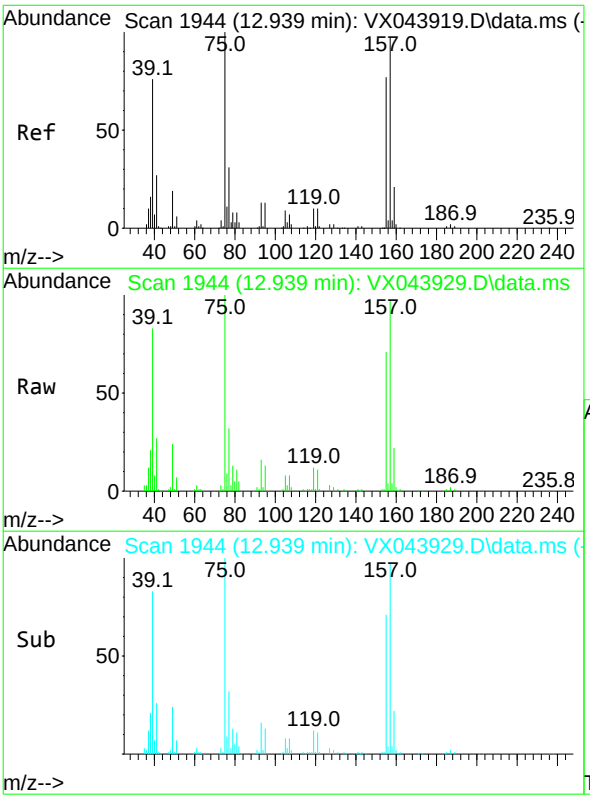
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 65.0 | 31.6 | 94.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

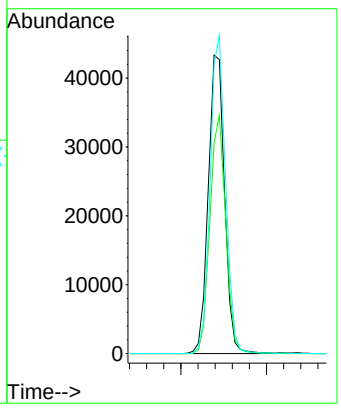


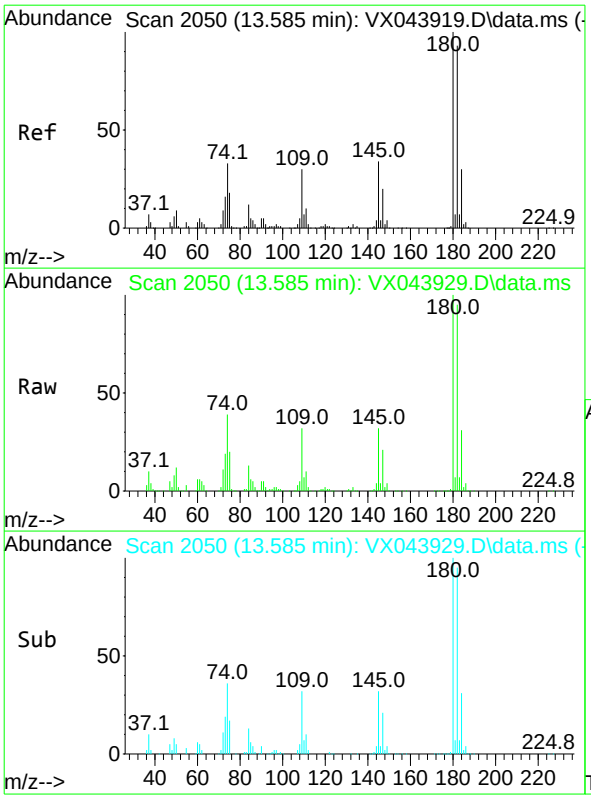




#92
1,2-Dibromo-3-Chloropropane
Concen: 110.517 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.8 | 40.8 | 122.5 |
| 157 | 100.9 | 54.3 | 162.9 |






#93
1,2,4-Trichlorobenzene
Concen: 102.015 ug/l
RT: 13.585 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

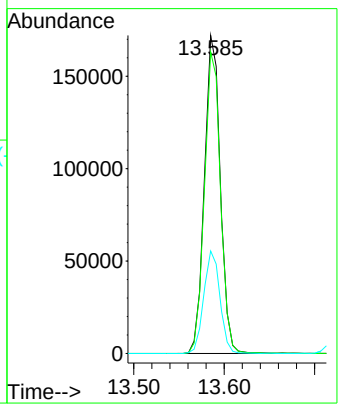
Tgt Ion:180 Resp: 210571

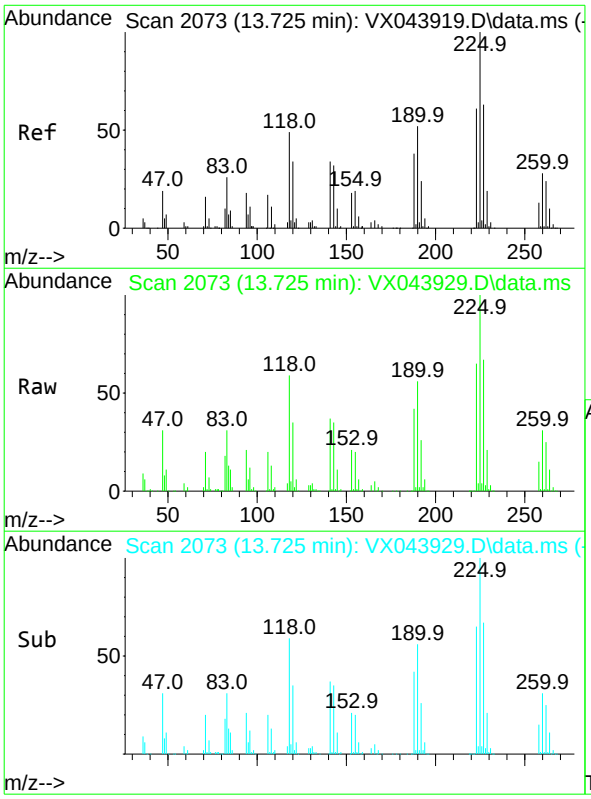
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 46.8 | 140.4 |
| 145 | 32.8 | 16.4 | 49.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

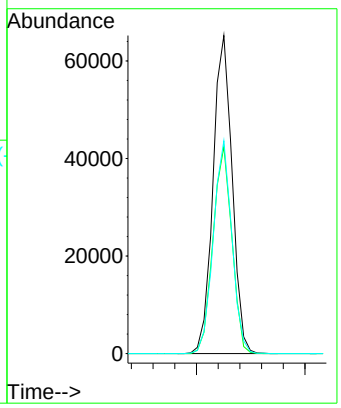


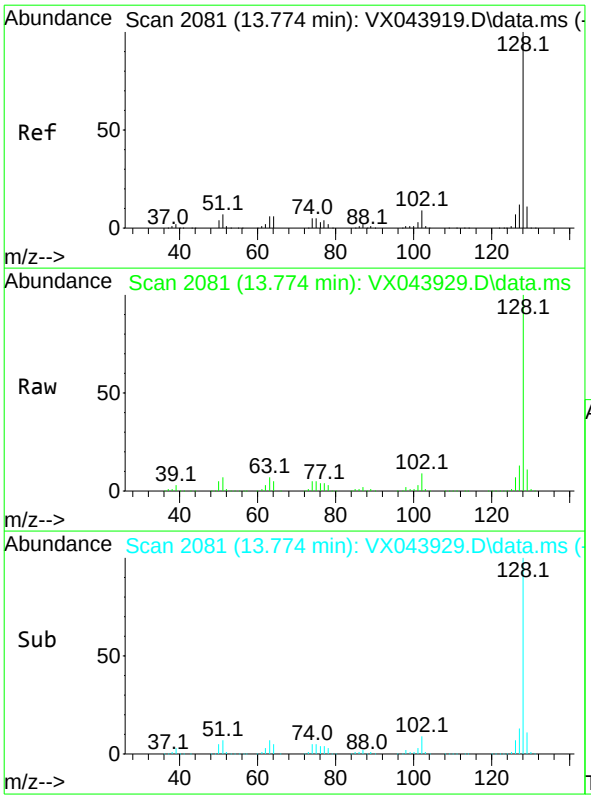




#94
Hexachlorobutadiene
Concen: 94.363 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 31.1 | 93.3 |
| 227 | 65.0 | 29.8 | 89.5 |

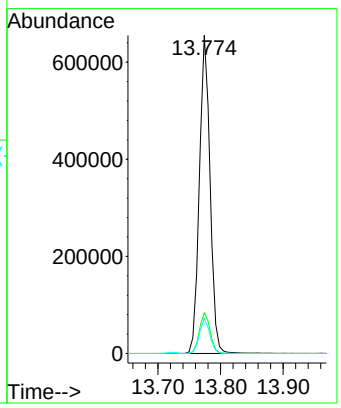





#95
Naphthalene
Concen: 100.923 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:128 Resp: 776740

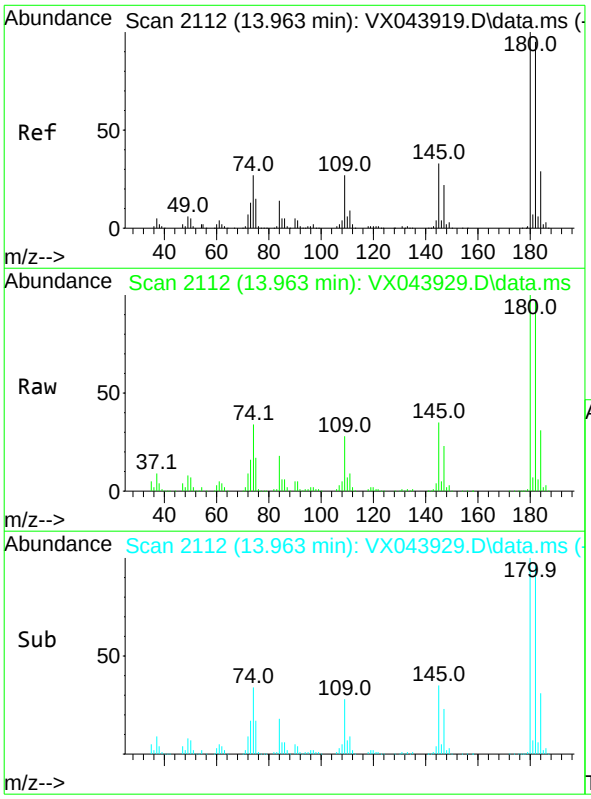
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.1 | 15.1 |
| 129 | 10.8 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

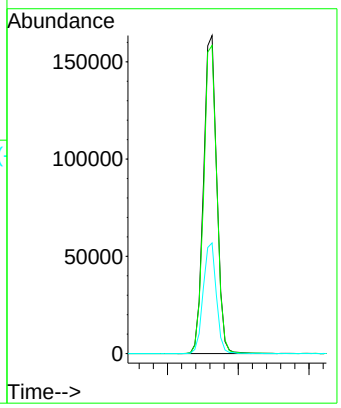
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 98.491 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 47.6 | 142.8 |
| 145 | 34.6 | 17.4 | 52.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 132286 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 237642 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 203280 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 96376 | 50.000 | ug/l | # 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 349080 | 171.797 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 343.600%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 268135 | 168.036 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 336.080%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 896413 | 168.154 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 336.300%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 324612 | 184.279 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 368.560%# | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 241389 | 180.335 | ug/l | 97 |
| 3) Chloromethane | 1.294 | 50 | 268770 | 160.659 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 271568 | 161.568 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 175581 | 229.967 | ug/l | 98 |
| 6) Chloroethane | 1.660 | 64 | 140375 | 174.839 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 527057 | 219.944 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 185146 | 204.934 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 237653 | 167.580 | ug/l | 97 |
| 10) Methyl Iodide | 2.440 | 142 | 299792 | 150.207 | ug/l | 96 |
| 11) Tert butyl alcohol | 3.014 | 59 | 306168 | 947.555 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 228504 | 166.017 | ug/l | 91 |
| 13) Acrolein | 2.239 | 56 | 294638 | 813.086 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 394228 | 176.662 | ug/l | 91 |
| 15) Acrylonitrile | 3.068 | 53 | 684169 | 822.558 | ug/l | 98 |
| 16) Acetone | 2.392 | 43 | 734161 | 899.588 | ug/l | 92 |
| 17) Carbon Disulfide | 2.501 | 76 | 554853 | 184.625 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 361338 | 161.681 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 869848 | 170.980 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 260099 | 152.260 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 245485 | 163.596 | ug/l | 95 |
| 22) Diisopropyl ether | 3.763 | 45 | 835960 | 171.467 | ug/l | 96 |
| 23) Vinyl Acetate | 3.721 | 43 | 3797951 | 961.094 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 479590 | 167.262 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 1012692 | 887.025 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 440061 | 186.761 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 304342 | 162.978 | ug/l | 94 |
| 28) Bromochloromethane | 4.891 | 49 | 207753 | 172.194 | ug/l | 91 |
| 29) Tetrahydrofuran | 5.007 | 42 | 617277 | 836.734 | ug/l | 98 |
| 30) Chloroform | 5.092 | 83 | 513285 | 171.734 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 367157 | 157.989 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 455922 | 178.438 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 331239 | 166.559 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 393670 | 175.887 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 376287 | 178.719 | ug/l | 98 |
| 39) Methylcyclohexane | 7.372 | 83 | 410333 | 164.816 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 999210 | 159.808 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 206026 | 176.637 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 397508 | 175.089 ug/l | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 661839 | 187.445 ug/l | 94 |
| 44) Trichloroethene | 7.123 | 130 | 251071 | 145.657 ug/l | 97 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 249394 | 162.744 ug/l | 100 |
| 46) Dibromomethane | 7.580 | 93 | 202329 | 175.212 ug/l | 95 |
| 47) Bromodichloromethane | 7.818 | 83 | 388259 | 191.362 ug/l | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 315872 | 180.493 ug/l | 88 |
| 49) 1,4-Dioxane | 7.665 | 88 | 106634 | 2860.706 ug/l # | 76 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 1954925 | 887.971 ug/l | 96 |
| 52) Toluene | 8.714 | 92 | 607179 | 168.323 ug/l | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 406346 | 197.387 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 428549 | 183.704 ug/l | 93 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 245706 | 174.579 ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 420409 | 188.658 ug/l # | 88 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 416811 | 176.770 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 1023576 | 875.887 ug/l | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 1493755 | 961.650 ug/l | 94 |
| 60) Dibromochloromethane | 9.518 | 129 | 286188 | 208.679 ug/l | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 261369 | 178.035 ug/l | 100 |
| 64) Tetrachloroethene | 9.268 | 164 | 202262 | 155.122 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 675513 | 159.085 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 241604 | 170.964 ug/l | 97 |
| 67) Ethyl Benzene | 10.195 | 91 | 1181693 | 165.365 ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 884067 | 332.148 ug/l | 97 |
| 69) o-Xylene | 10.640 | 106 | 436919 | 168.240 ug/l | 98 |
| 70) Styrene | 10.652 | 104 | 742061 | 173.379 ug/l | 97 |
| 71) Bromoform | 10.799 | 173 | 186691 | 161.632 ug/l # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 1135309 | 165.031 ug/l | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 586560 | 159.995 ug/l | 94 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 379947 | 163.351 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 313344m | 159.312 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 270671 | 160.539 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 1296979 | 170.866 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 788163 | 163.185 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 936129 | 164.167 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 136104 | 161.734 ug/l | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 919566 | 165.319 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 945058 | 162.017 ug/l | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 933275 | 161.161 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 1148877 | 164.934 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 972007 | 166.189 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 490336 | 156.923 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 494318 | 154.301 ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 903805 | 181.353 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 180575 | 151.823 ug/l | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 503214 | 153.818 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 87963 | 146.019 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 325289 | 170.137 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 121126 | 154.589 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 1173154 | 164.565 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 326693 | 164.001 ug/l | 99 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

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

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

ICAL Form

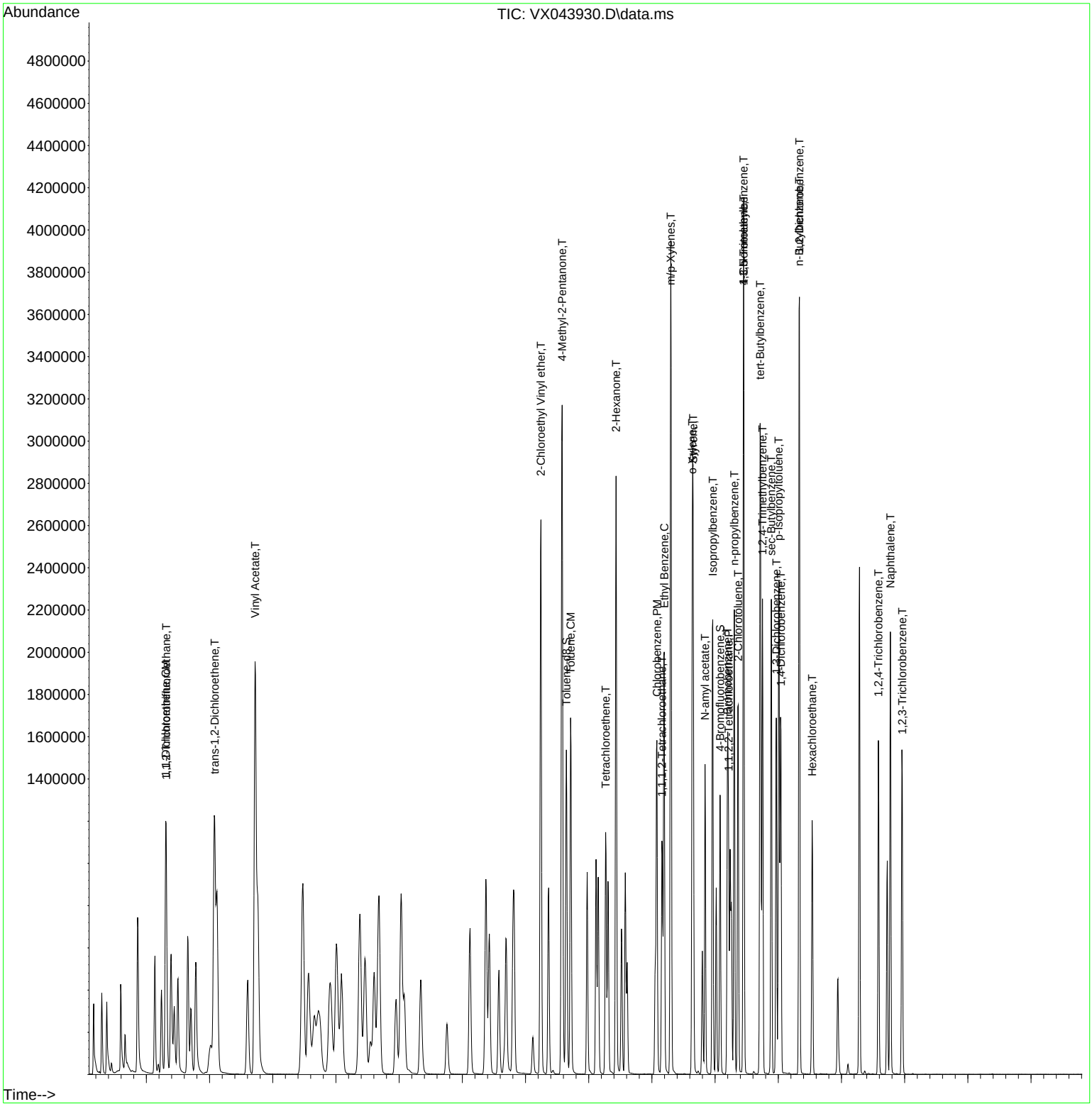
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

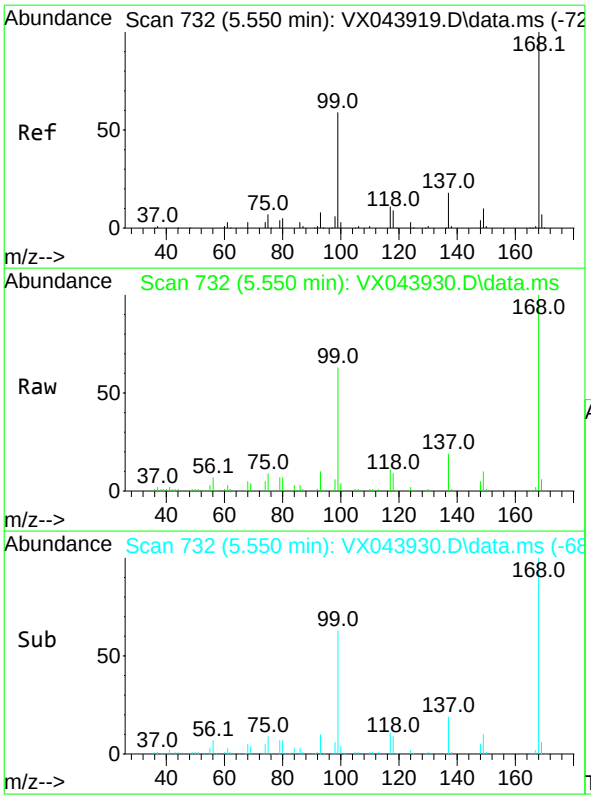
Quant Time: Nov 21 12:32:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 12:18:48 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

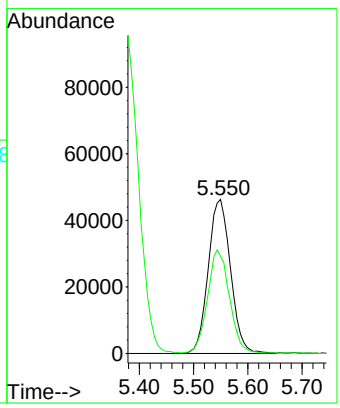





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:168 Resp: 132286

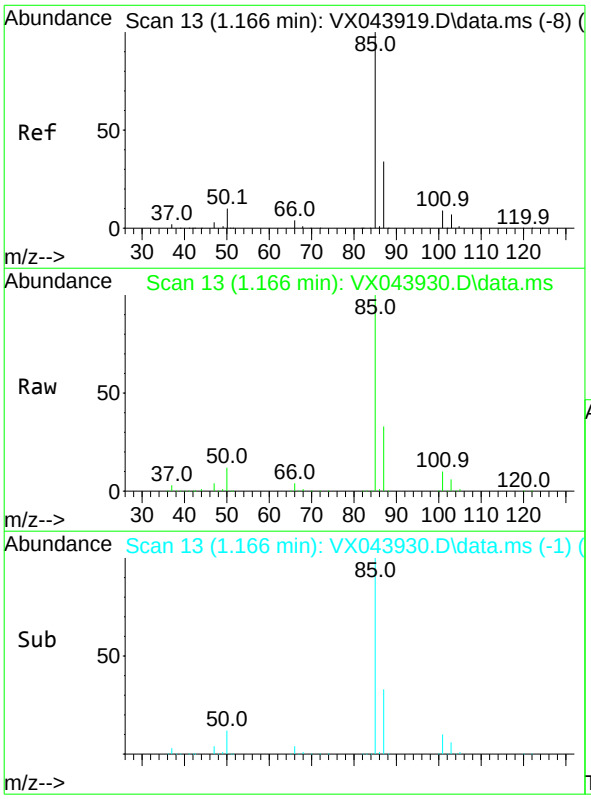
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 46.9 | 70.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

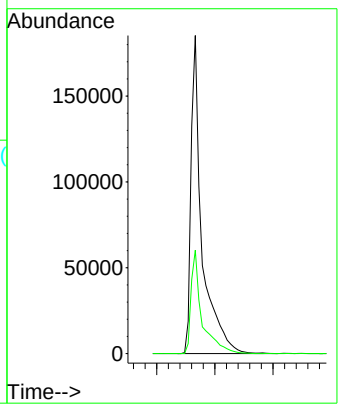
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

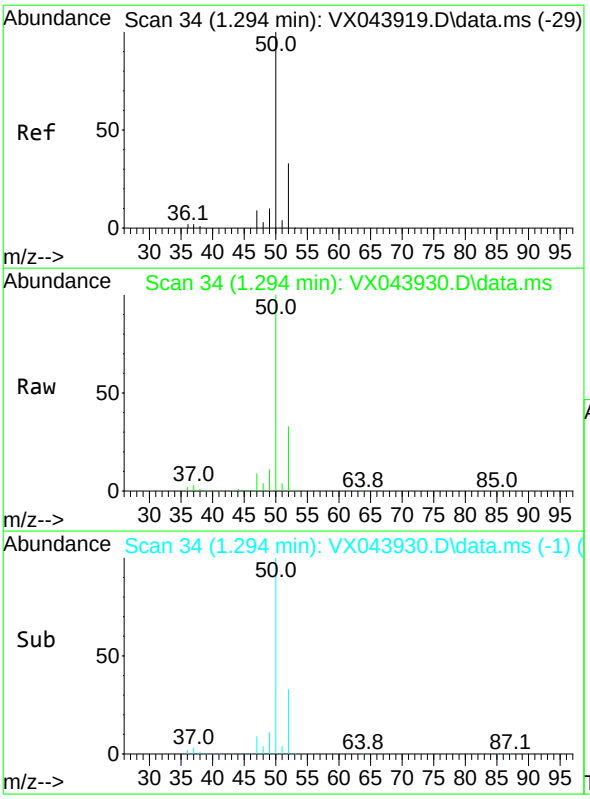



#2
Dichlorodifluoromethane
Concen: 180.335 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 17.1 | 51.2 |

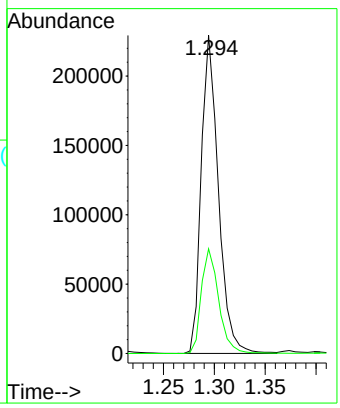





#3
Chloromethane
Concen: 160.659 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 50 Resp: 268770

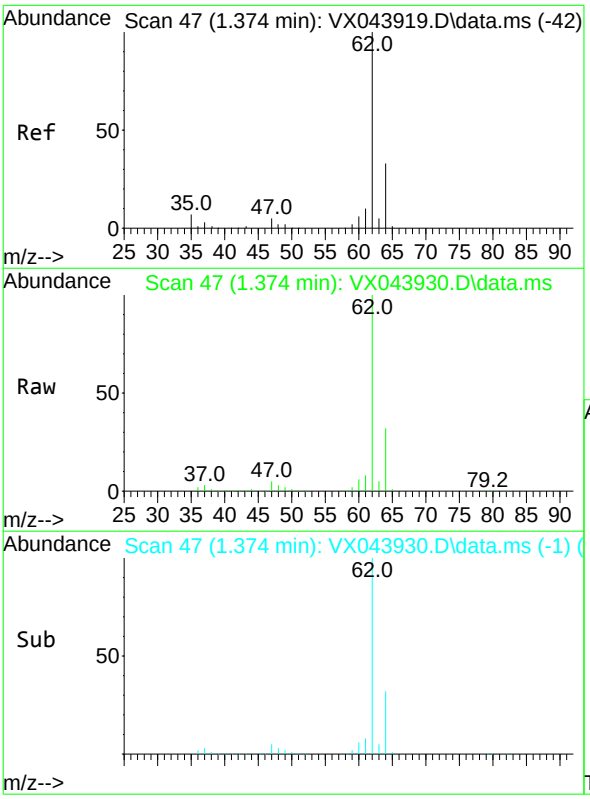
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 26.2 | 39.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

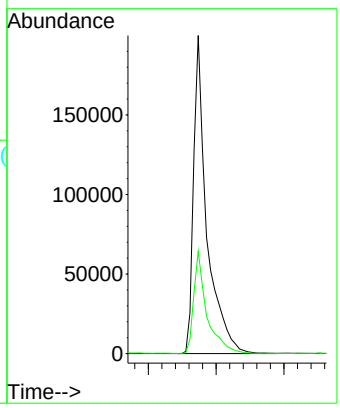
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

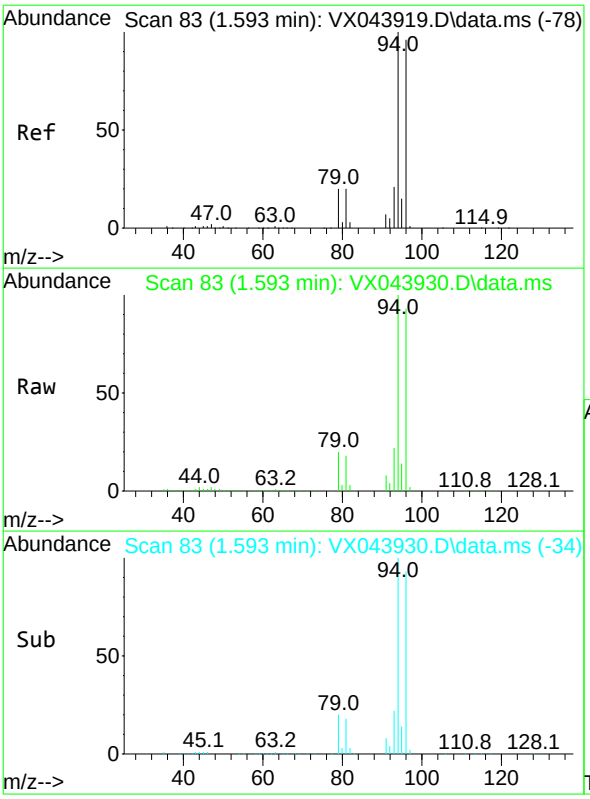



#4
Vinyl Chloride
Concen: 161.568 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.1 | 39.1 |

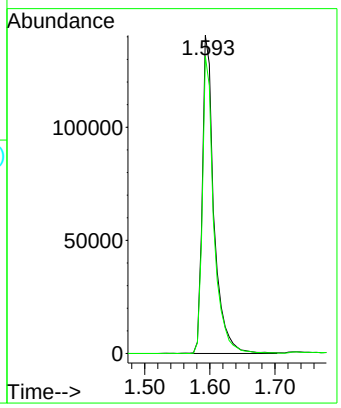





#5
Bromomethane
Concen: 229.967 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 94 Resp: 175581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 76.5 | 114.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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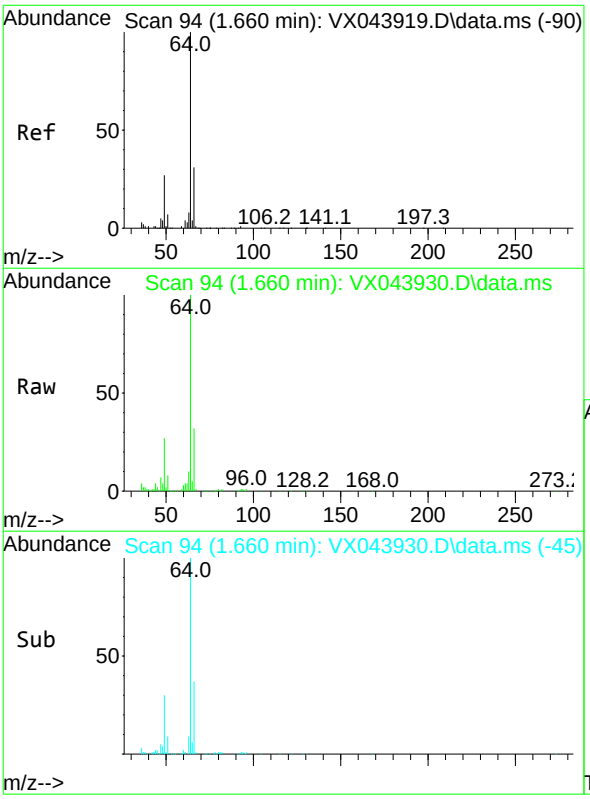
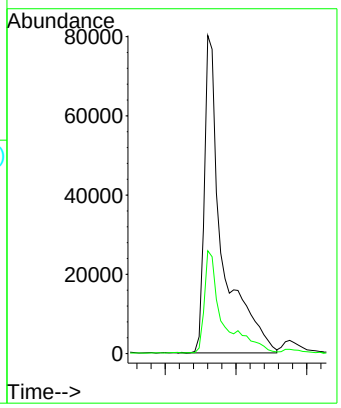
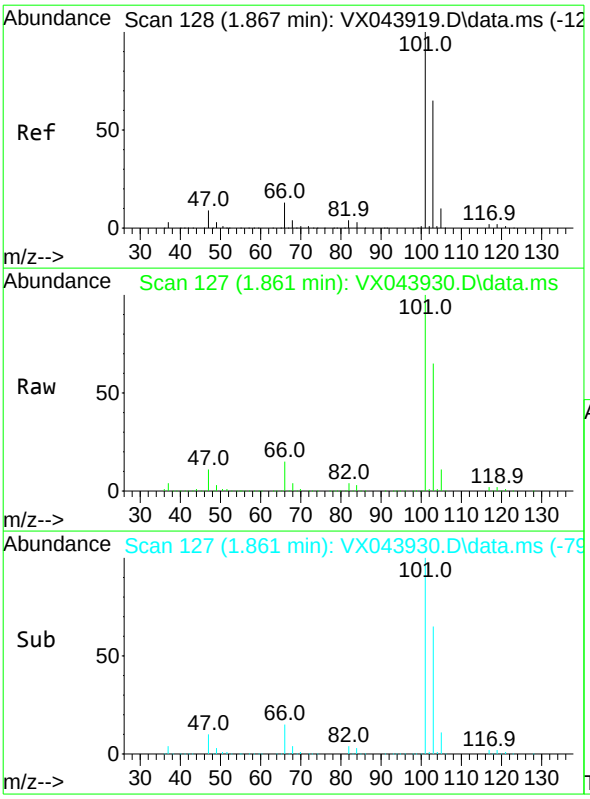



#6
Chloroethane
Concen: 174.839 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 24.9 | 37.3 |

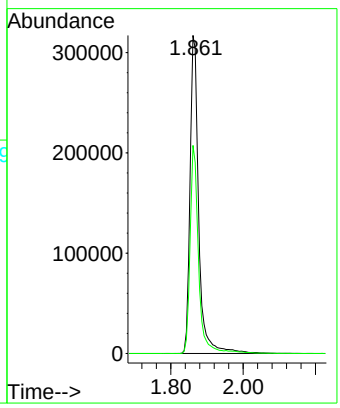





#7
Trichlorofluoromethane
Concen: 219.944 ug/l
RT: 1.861 min Scan# 12
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 527057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 52.2 | 78.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

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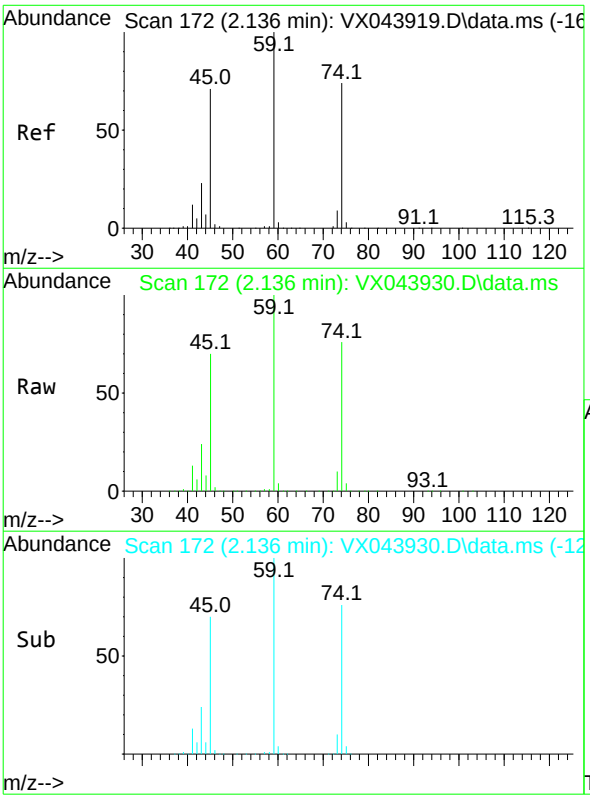
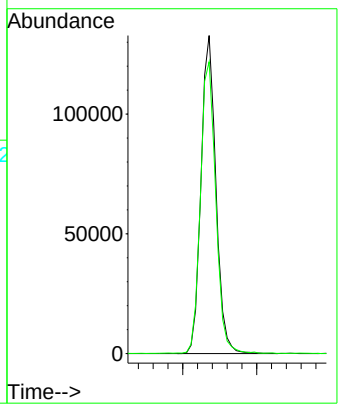
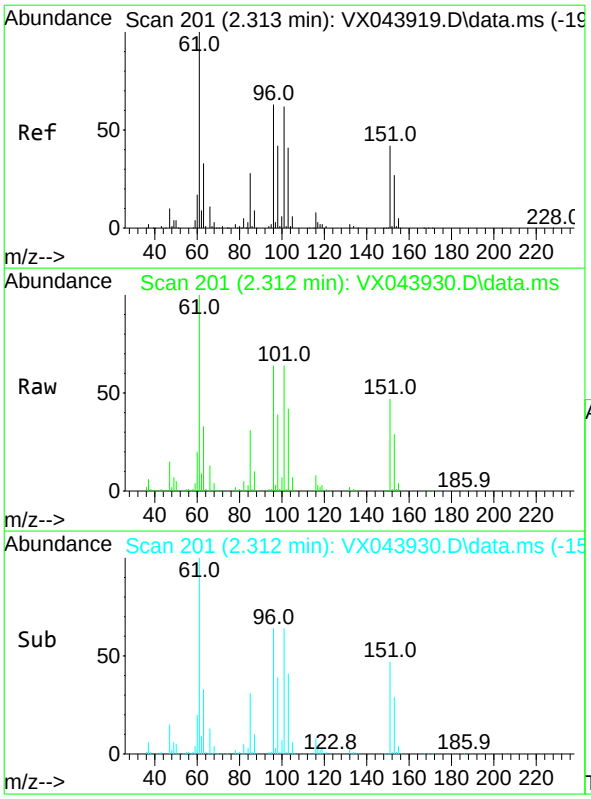



#8
Diethyl Ether
Concen: 204.934 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.1 | 49.9 | 149.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 167.580 ug/l
RT: 2.312 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:101 Resp: 237653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.8 | 36.6 | 54.8 |
| 151 | 71.3 | 59.8 | 89.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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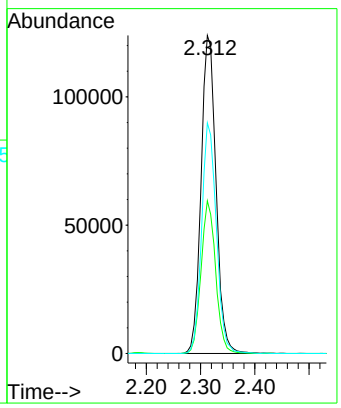
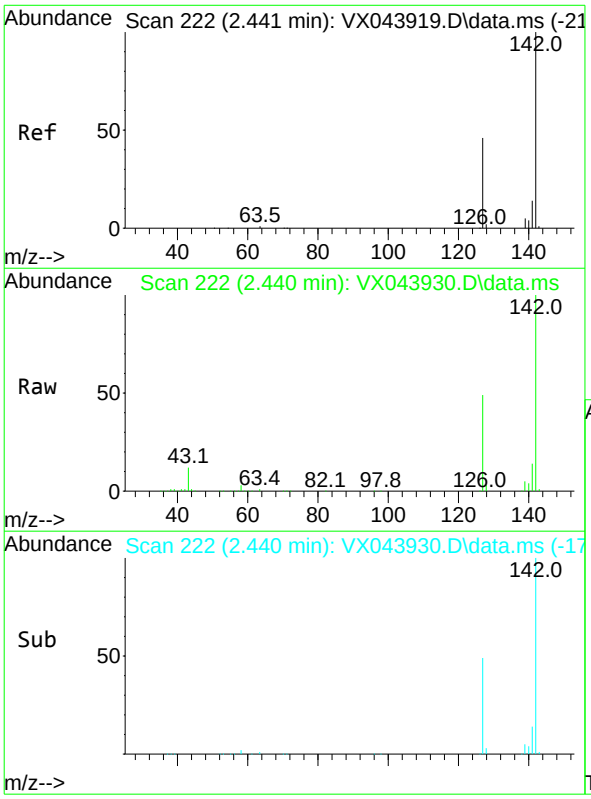
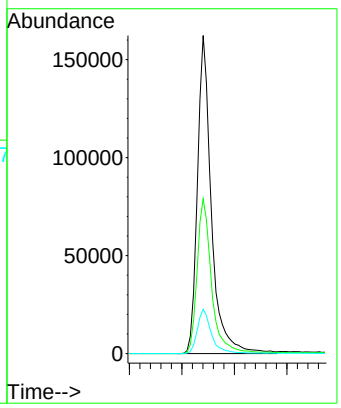


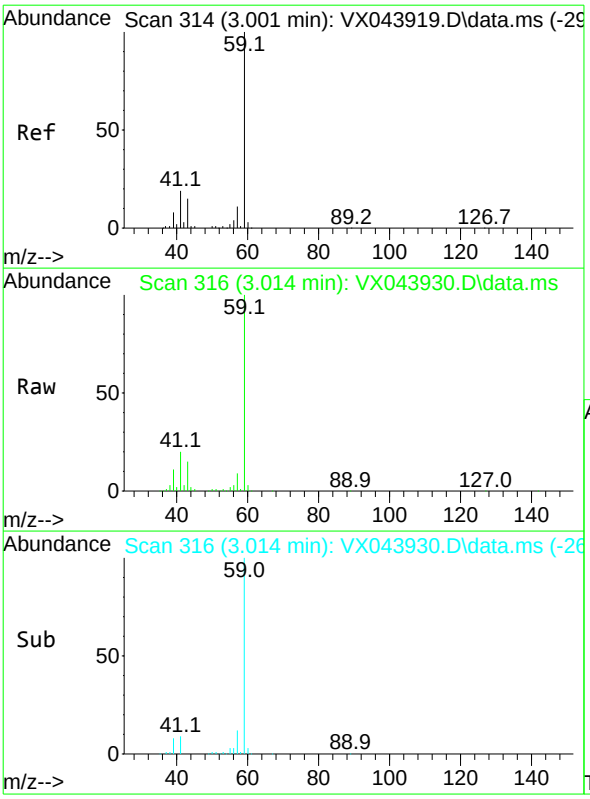




#10
Methyl Iodide
Concen: 150.207 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 37.3 | 55.9 |
| 141 | 14.2 | 11.4 | 17.2 |

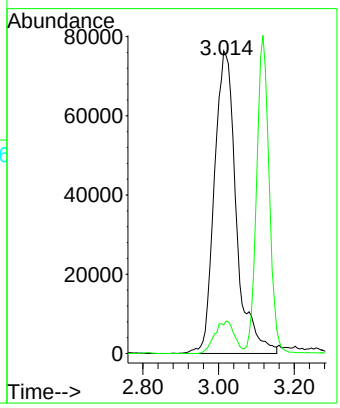





#11
Tert butyl alcohol
Concen: 947.555 ug/l
RT: 3.014 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 59 Resp: 306168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 8.2 | 12.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

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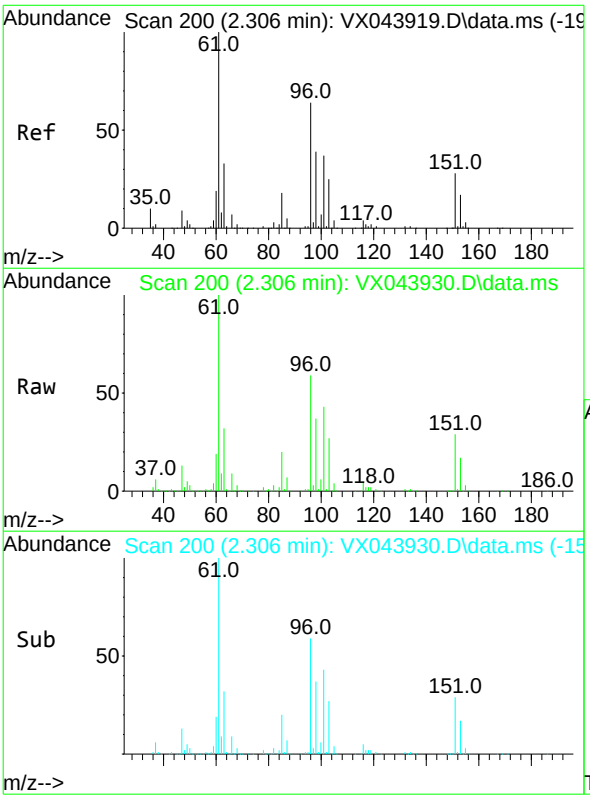
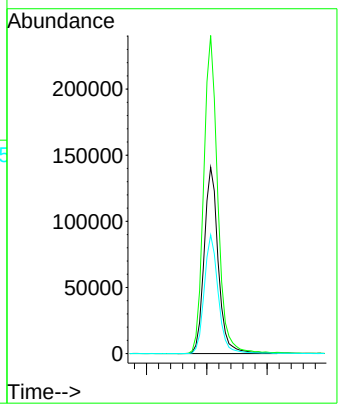
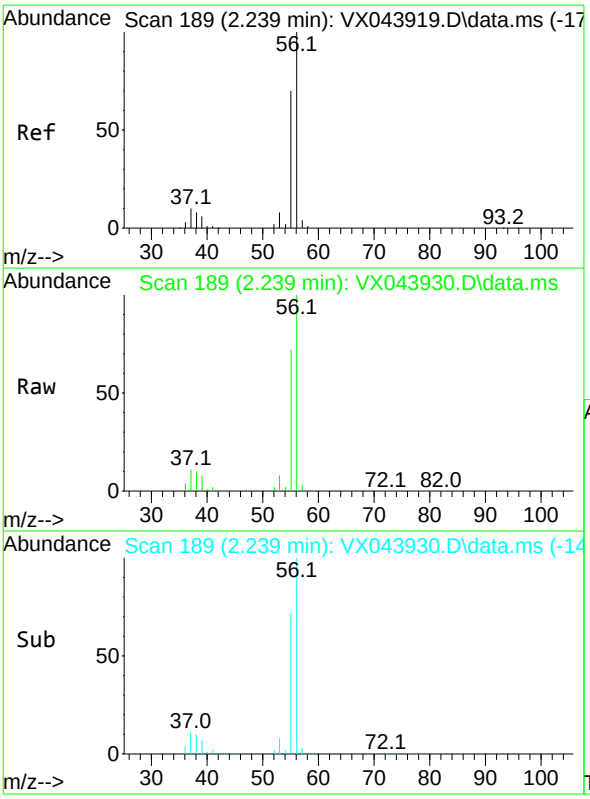



#12
1,1-Dichloroethene
Concen: 166.017 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.7 | 124.6 | 187.0 |
| 98 | 63.7 | 49.0 | 73.6 |

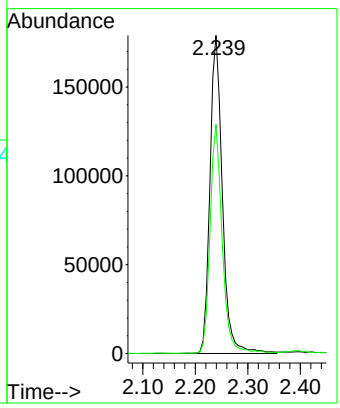





#13
Acrolein
Concen: 813.086 ug/l
RT: 2.239 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 294638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 56.1 | 84.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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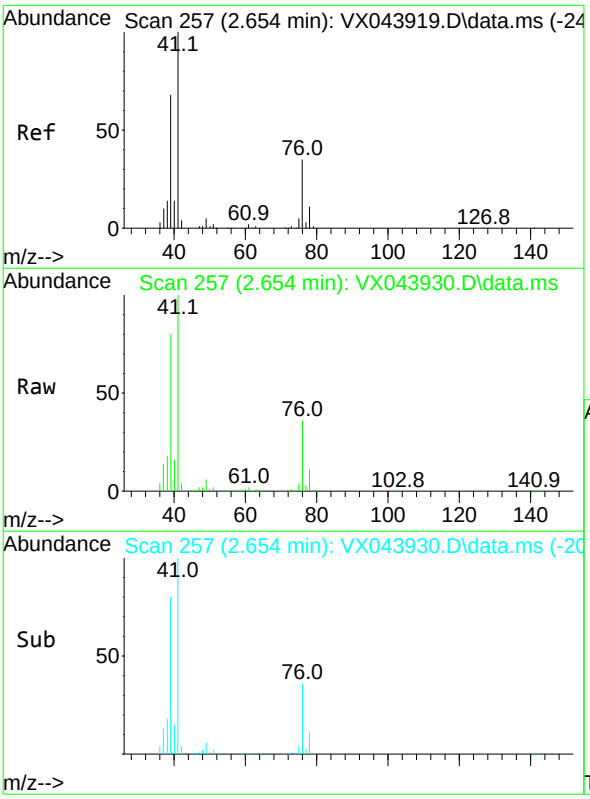
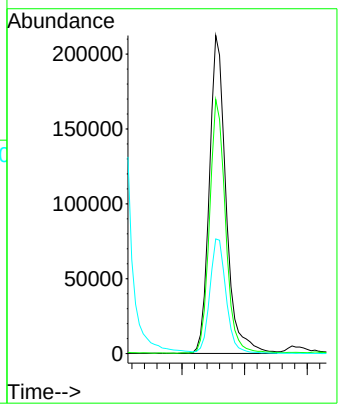
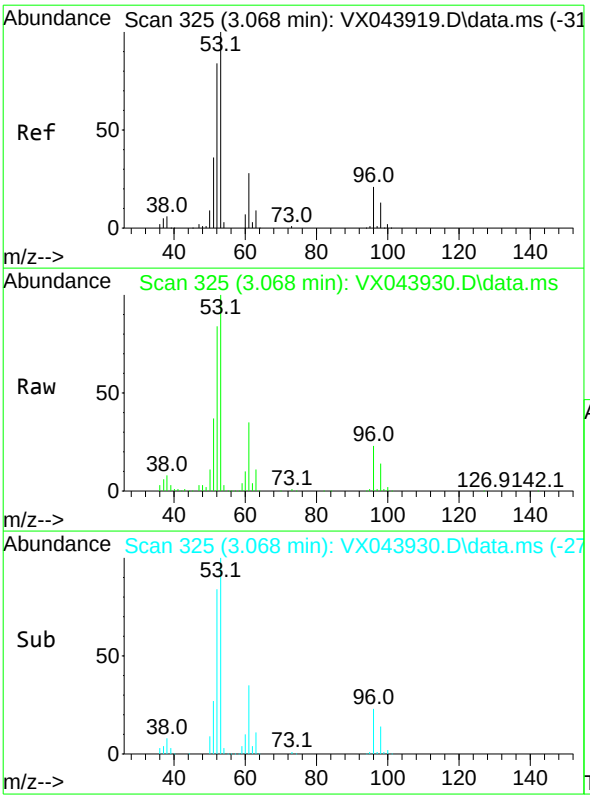



#14
Allyl chloride
Concen: 176.662 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 51.7 | 77.5 |
| 76 | 35.2 | 28.2 | 42.2 |

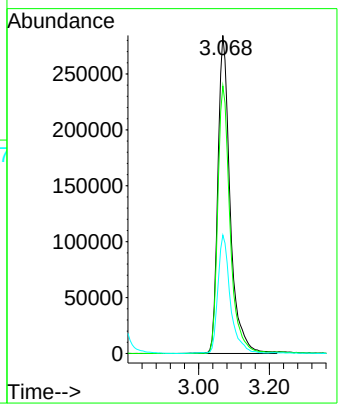





#15
Acrylonitrile
Concen: 822.558 ug/l
RT: 3.068 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 53 Resp: 684169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 65.8 | 98.8 |
| 51 | 37.1 | 28.6 | 42.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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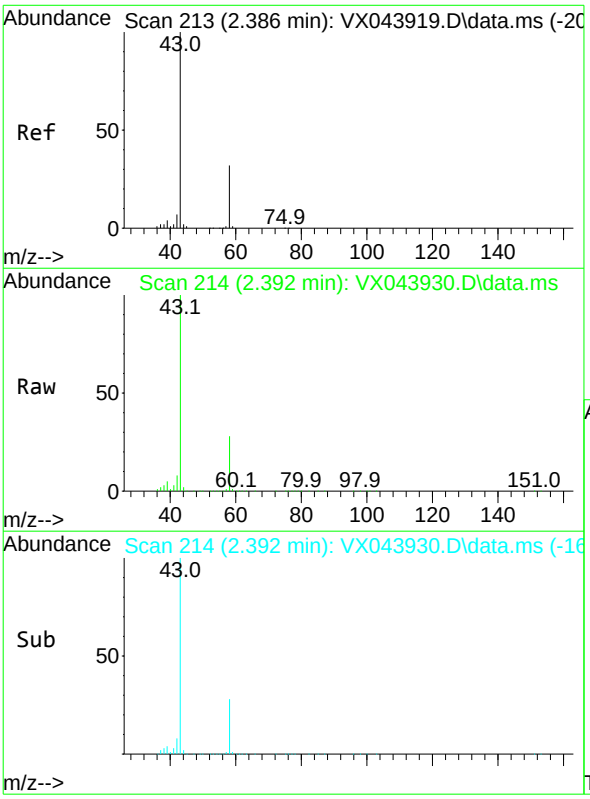
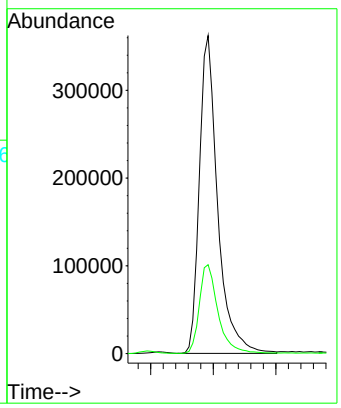
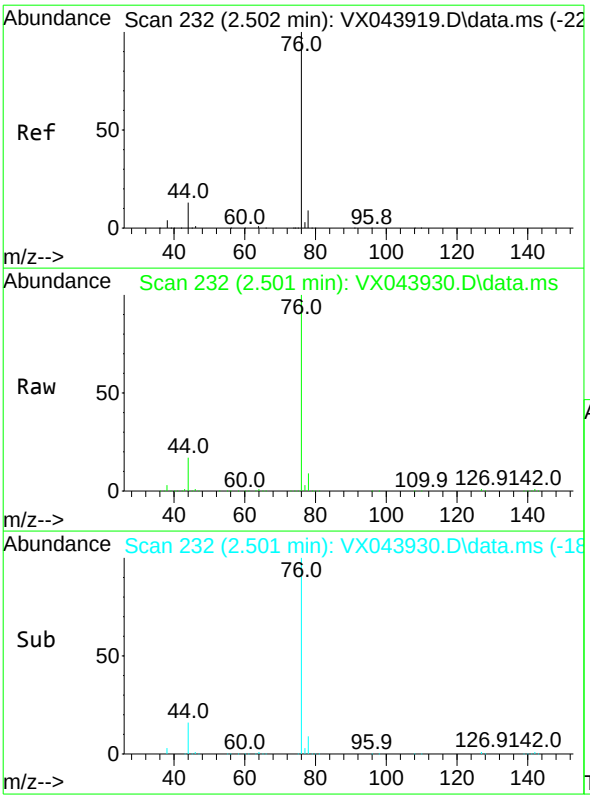



#16
Acetone
Concen: 899.588 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 25.8 | 38.6 |

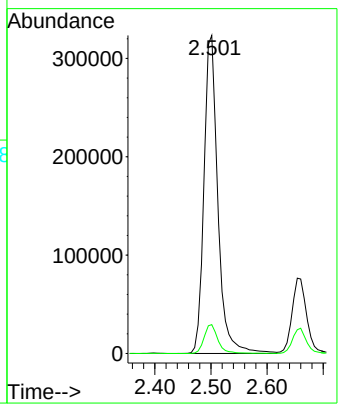





#17
Carbon Disulfide
Concen: 184.625 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 554853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.3 | 10.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

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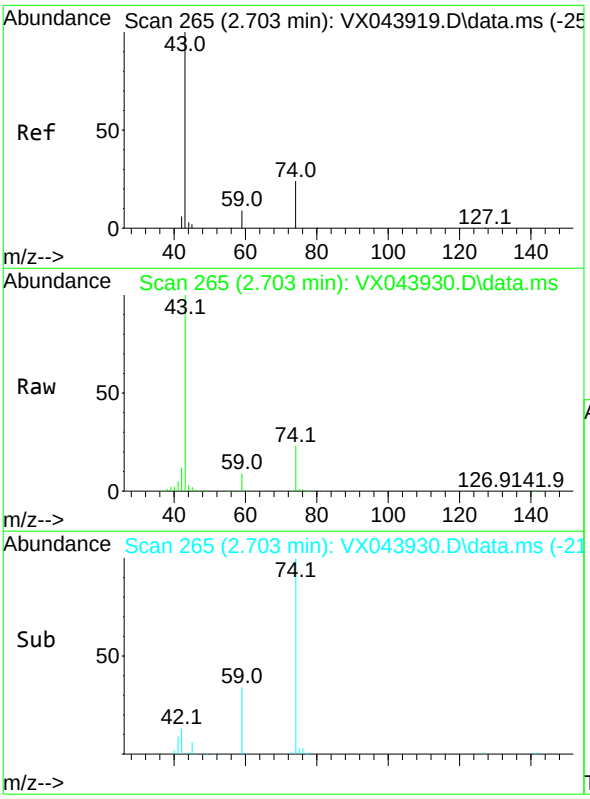
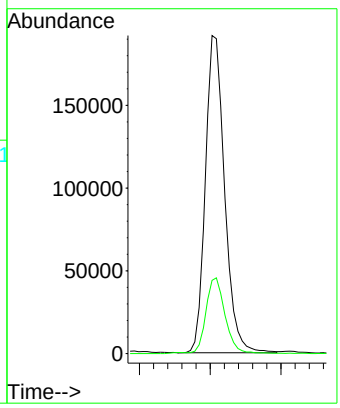
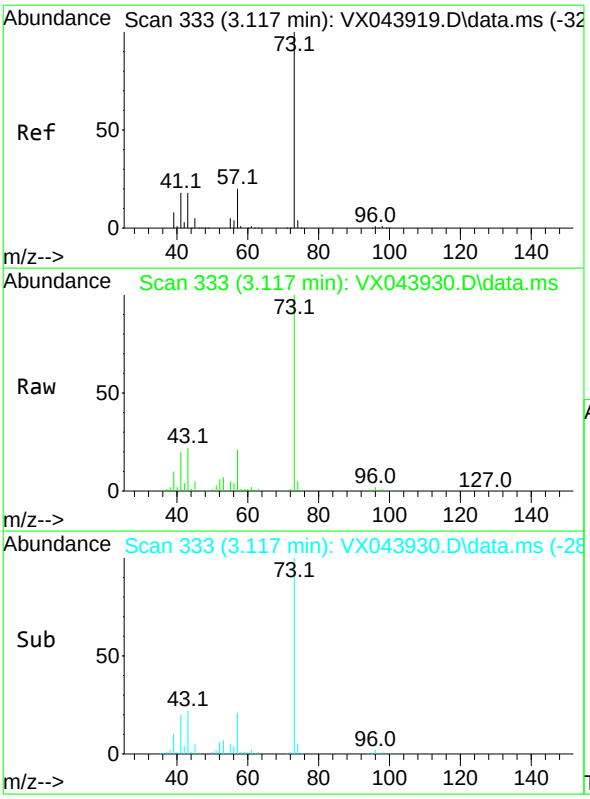



#18
Methyl Acetate
Concen: 161.681 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 20.1 | 30.1 |

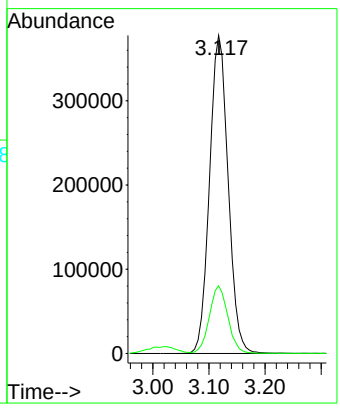





#19
Methyl tert-butyl Ether
Concen: 170.980 ug/l
RT: 3.117 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 73 Resp: 869848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 16.4 | 24.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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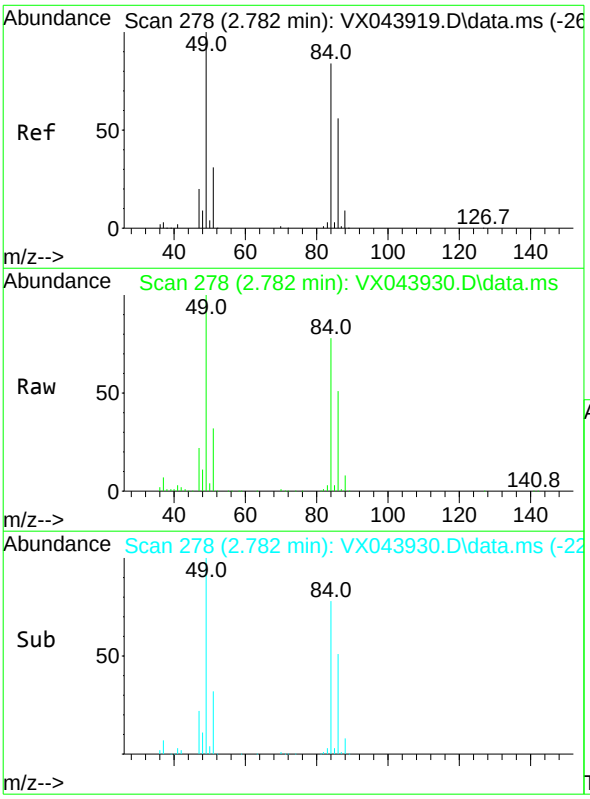
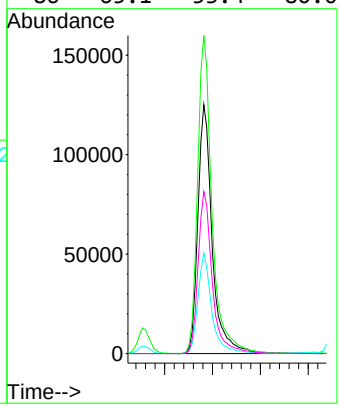
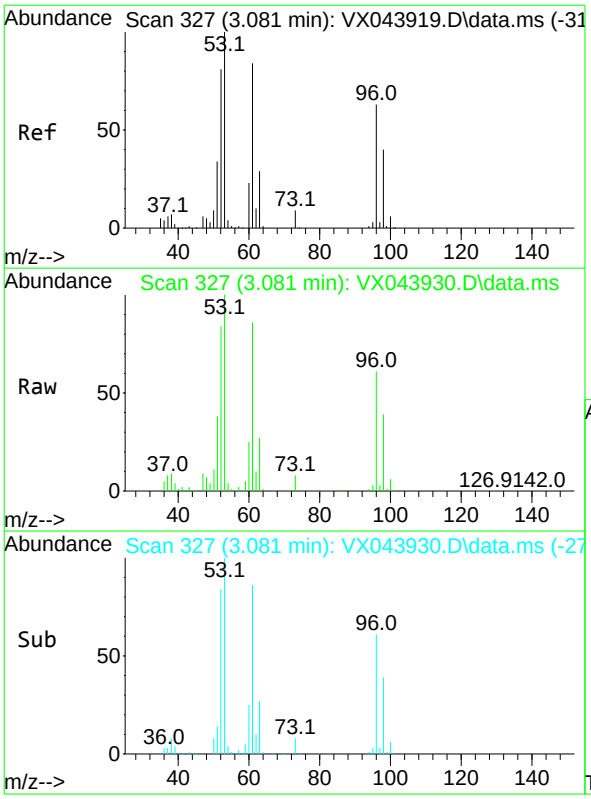



#20
Methylene Chloride
Concen: 152.260 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 95.1 | 142.7 |
| 51 | 40.5 | 29.2 | 43.8 |
| 86 | 65.1 | 53.4 | 80.0 |

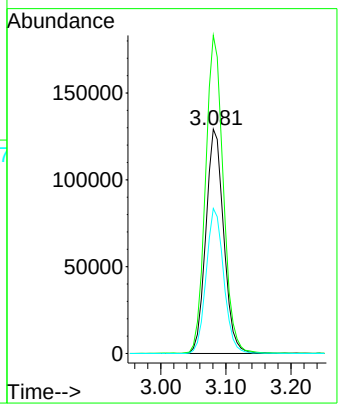





#21
trans-1,2-Dichloroethene
Concen: 163.596 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 245485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 106.4 | 159.6 |
| 98 | 64.6 | 50.9 | 76.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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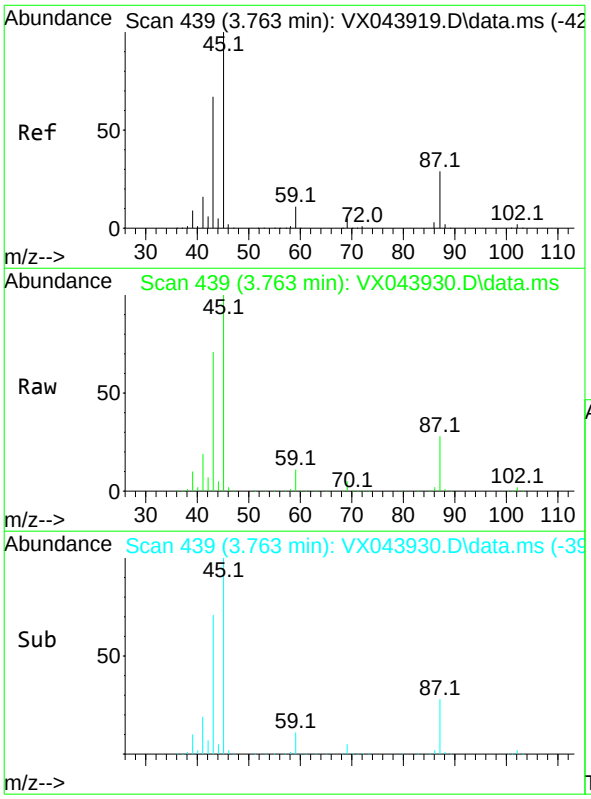
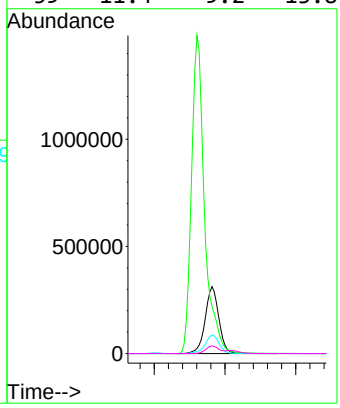
Supervised By :Mahesh Dadoda 11/22/2024

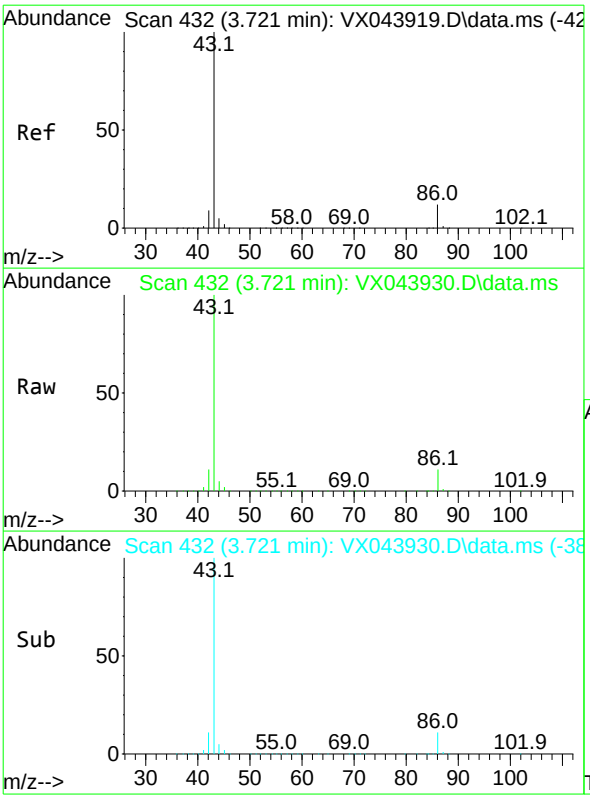



#22
Diisopropyl ether
Concen: 171.467 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 70.8 | 53.8 | 80.6 |
| 87 | 27.8 | 23.4 | 35.2 |
| 59 | 11.4 | 9.2 | 13.8 |

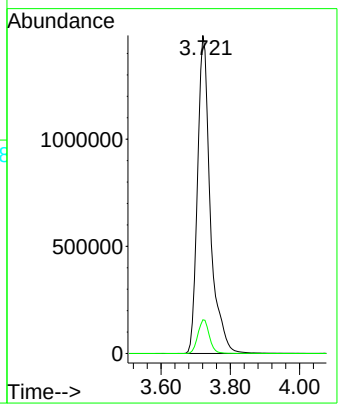





#23
Vinyl Acetate
Concen: 961.094 ug/l
RT: 3.721 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 3797951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 9.4 | 14.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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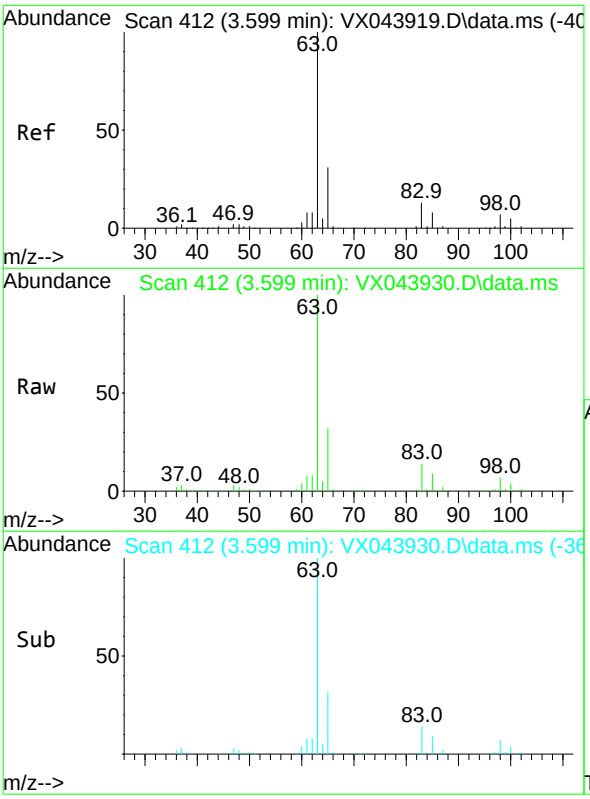
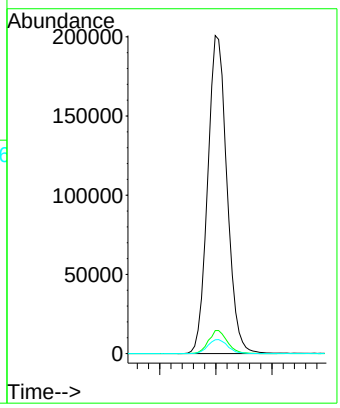
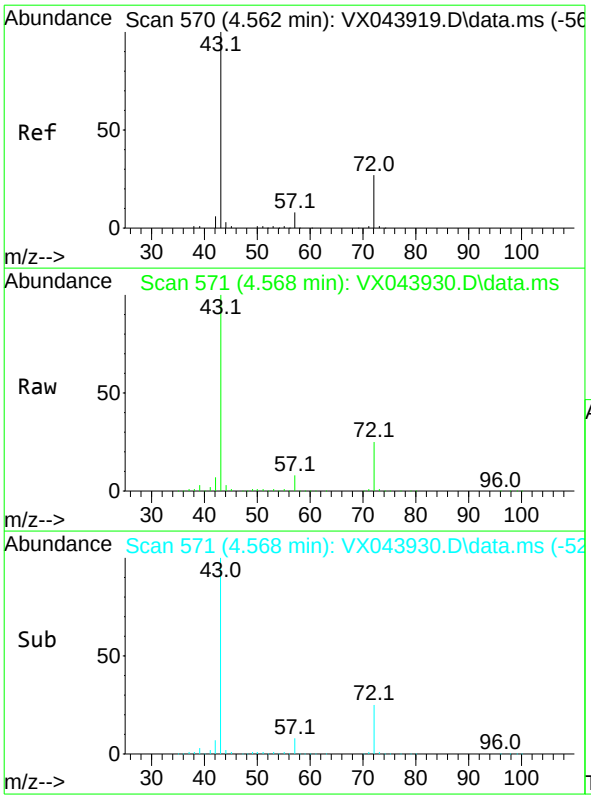



#24
1,1-Dichloroethane
Concen: 167.262 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.7 | 11.1 |
| 100 | 4.3 | 2.4 | 7.2 |

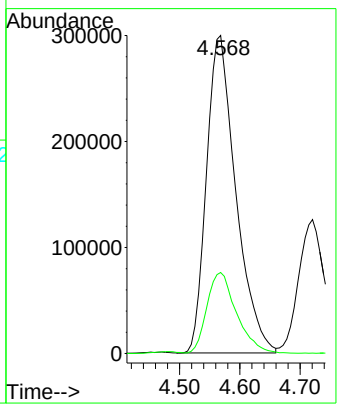





#25
2-Butanone
Concen: 887.025 ug/l
RT: 4.568 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1012692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 21.3 | 31.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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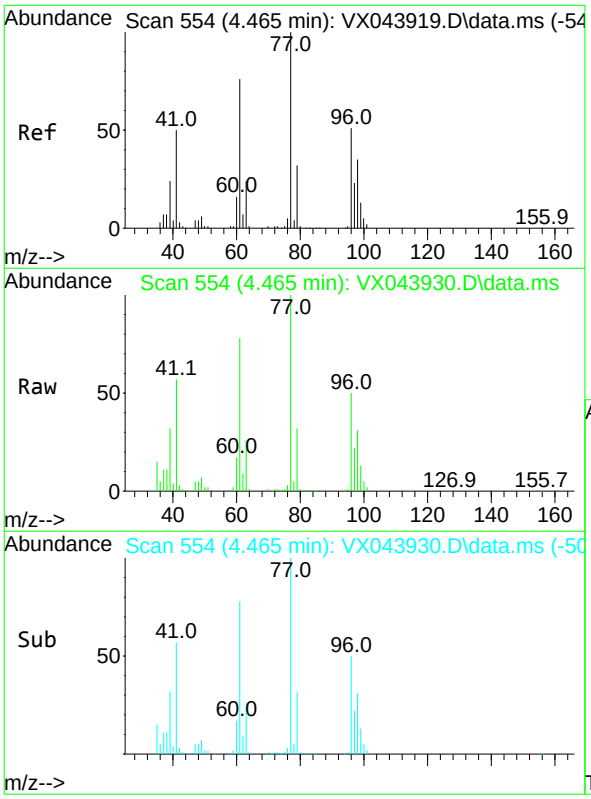
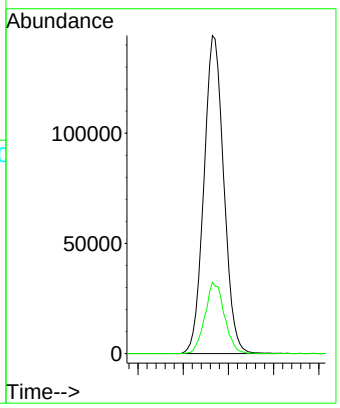
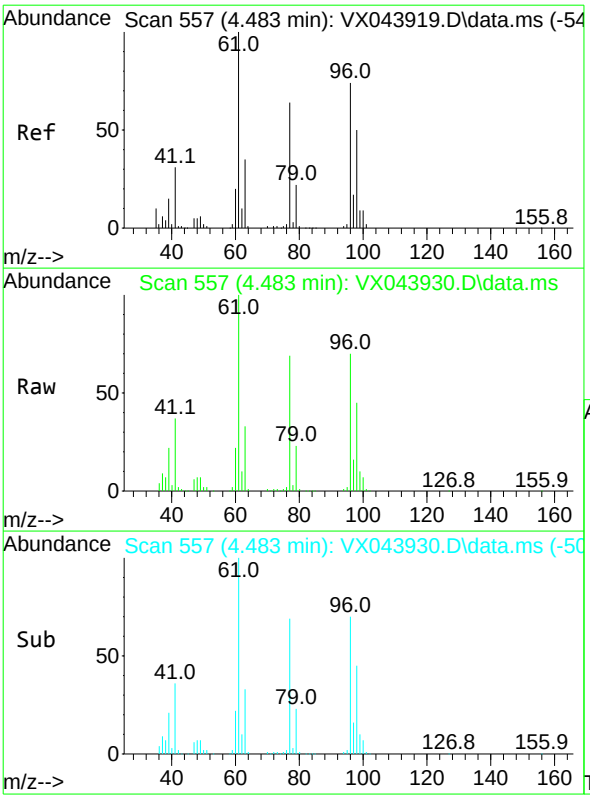



#26
2,2-Dichloropropane
Concen: 186.761 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 11.7 | 35.1 |

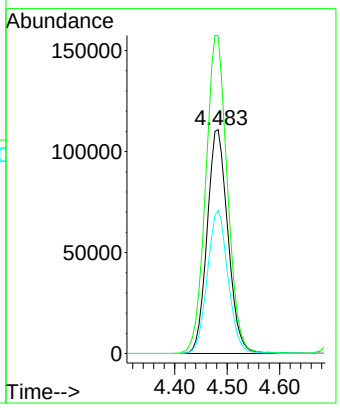





#27
cis-1,2-Dichloroethene
Concen: 162.978 ug/l
RT: 4.483 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 304342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.2 | 0.0 | 279.4 |
| 98 | 63.8 | 0.0 | 131.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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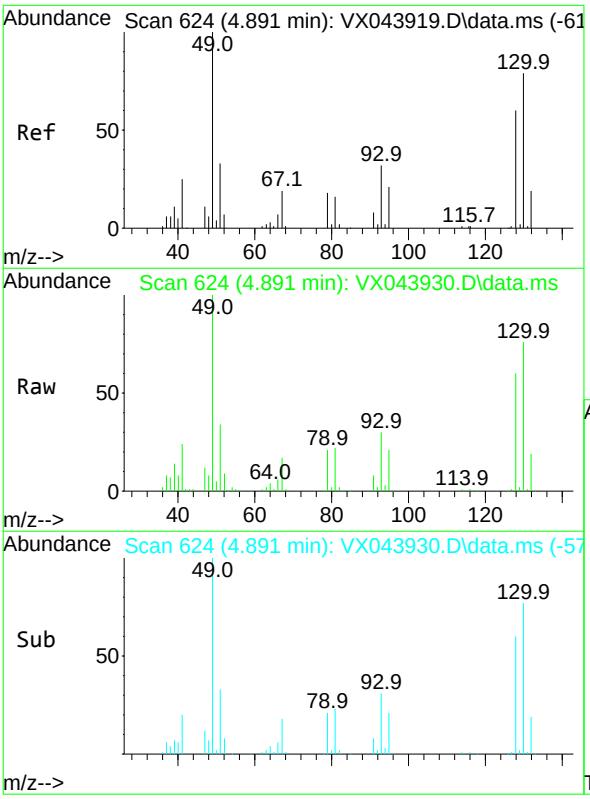
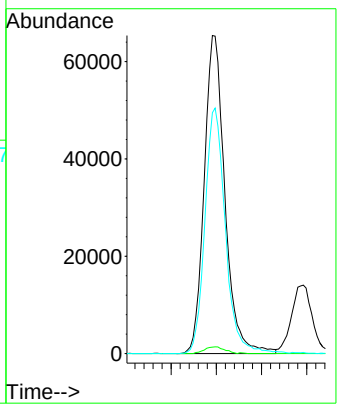
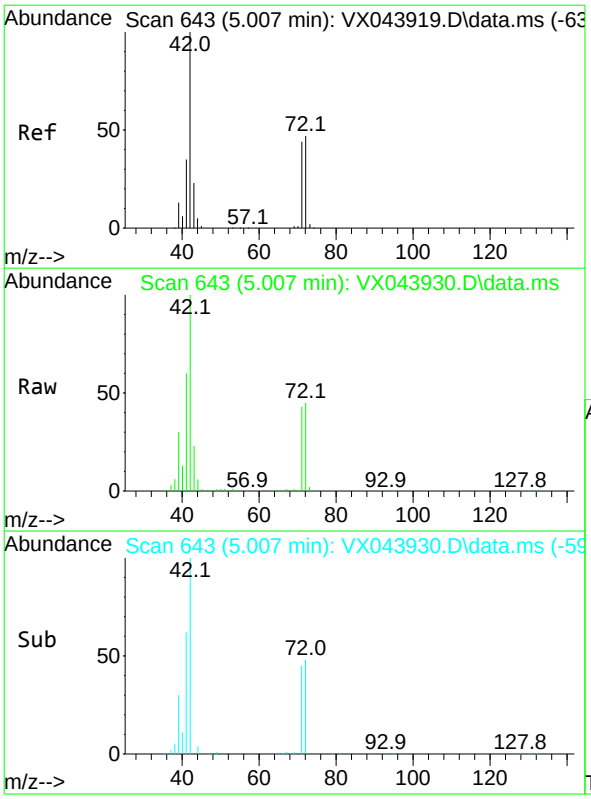



#28
Bromochloromethane
Concen: 172.194 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.4 |
| 130 | 76.4 | 68.2 | 102.2 |

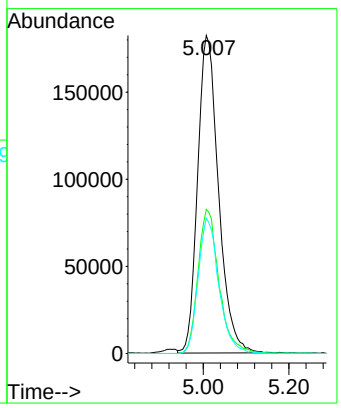





#29
Tetrahydrofuran
Concen: 836.734 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 42 Resp: 617277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.8 | 37.9 | 56.9 |
| 71 | 42.3 | 34.8 | 52.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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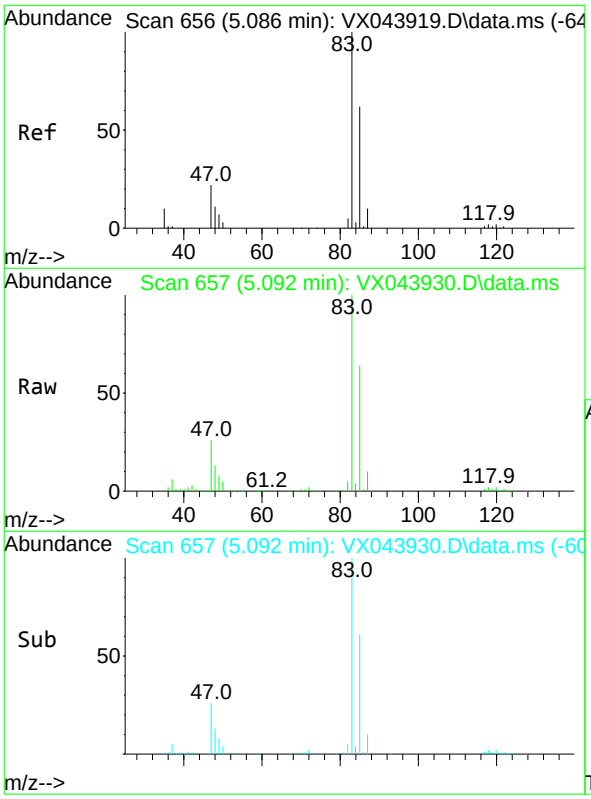
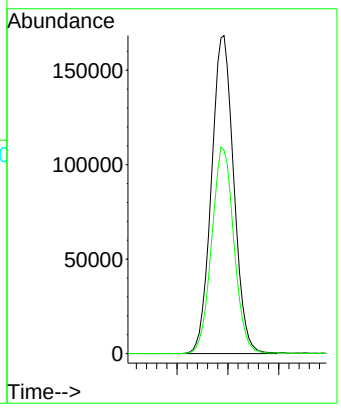
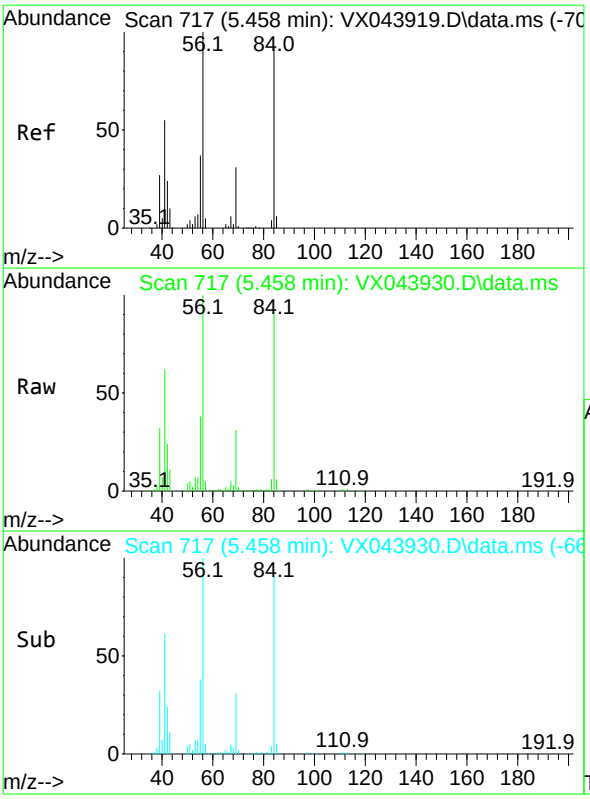



#30
Chloroform
Concen: 171.734 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 49.7 | 74.5 |

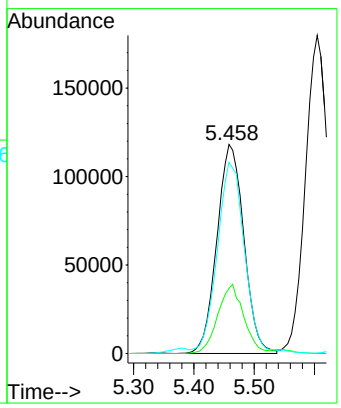





#31
Cyclohexane
Concen: 157.989 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 56 Resp: 367157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.9 | 37.3 |
| 84 | 89.9 | 73.8 | 110.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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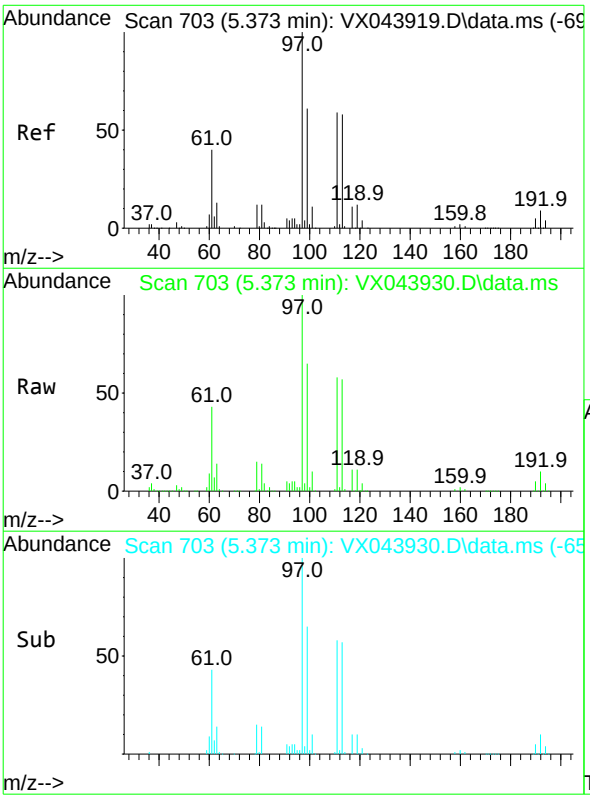
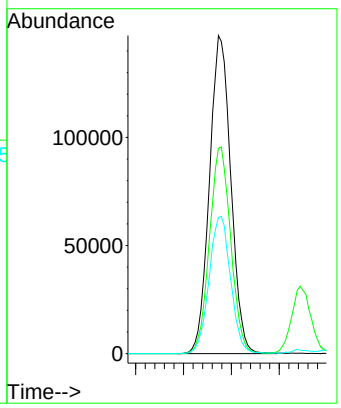
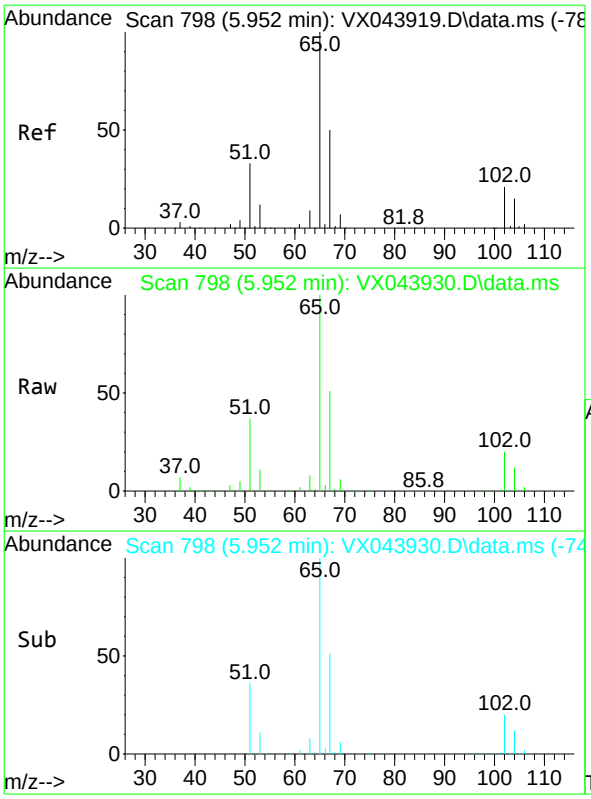



#32
1,1,1-Trichloroethane
Concen: 178.438 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 51.2 | 76.8 |
| 61 | 43.5 | 32.9 | 49.3 |

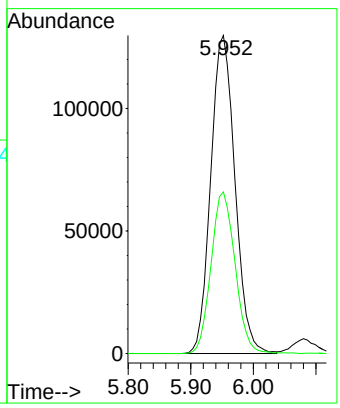





#33
1,2-Dichloroethane-d4
Concen: 171.797 ug/l
RT: 5.952 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 65 Resp: 349080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 103.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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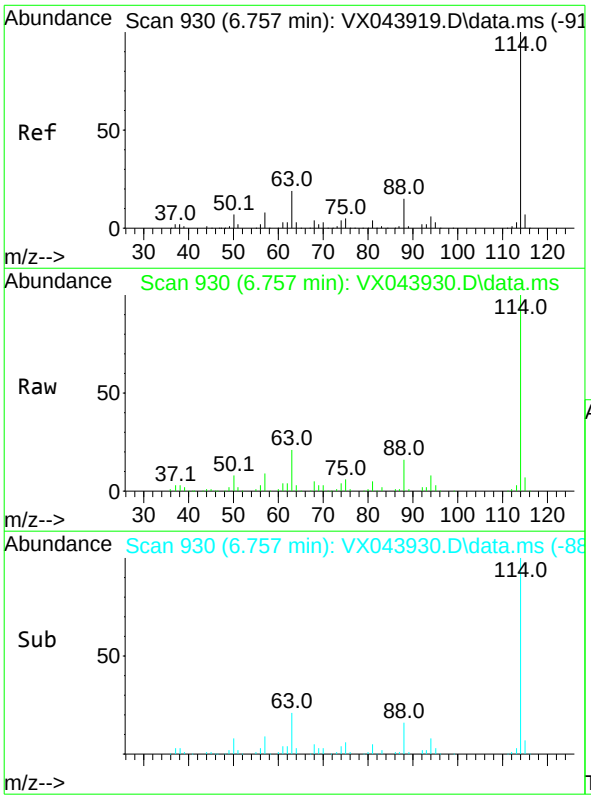
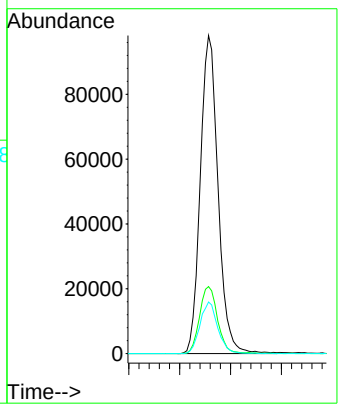
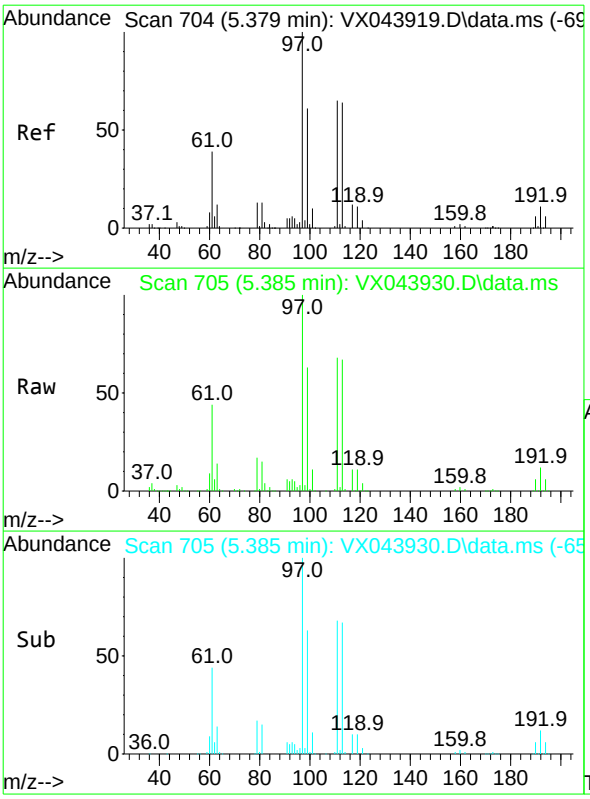



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 39.0 |
| 88 | 16.2 | 0.0 | 30.2 |

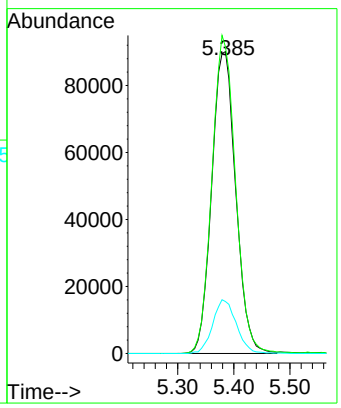





#35
Dibromofluoromethane
Concen: 168.036 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:113 Resp: 268135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.0 | 121.6 |
| 192 | 17.6 | 14.2 | 21.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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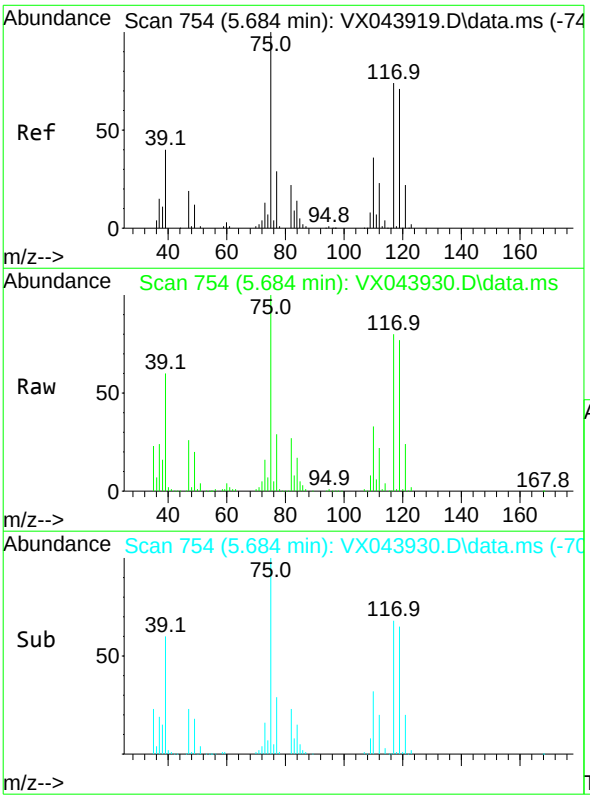
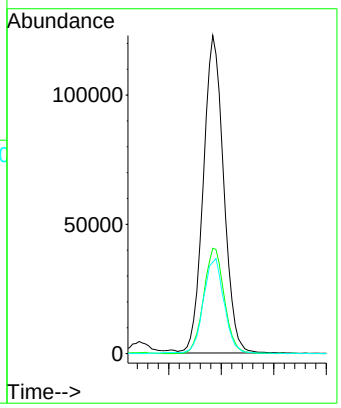
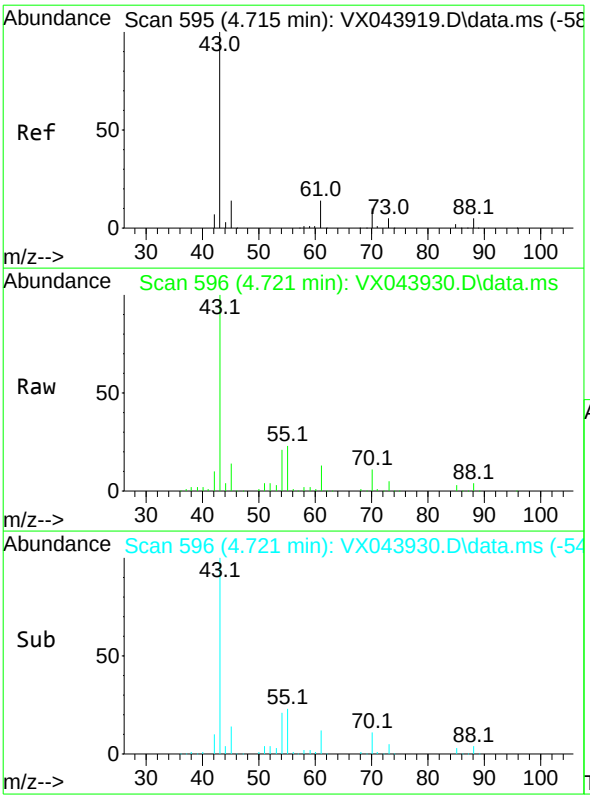



#36
1,1-Dichloropropene
Concen: 166.559 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 17.5 | 52.5 |
| 77 | 30.3 | 24.9 | 37.3 |

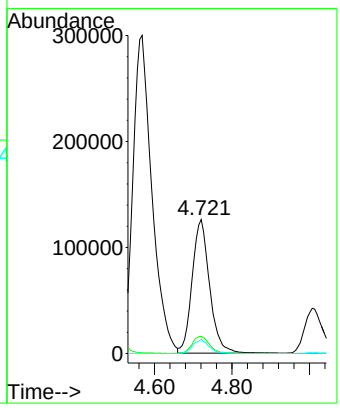





#37
Ethyl Acetate
Concen: 175.887 ug/l
RT: 4.721 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 393670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 11.5 | 17.3 |
| 70 | 9.9 | 8.7 | 13.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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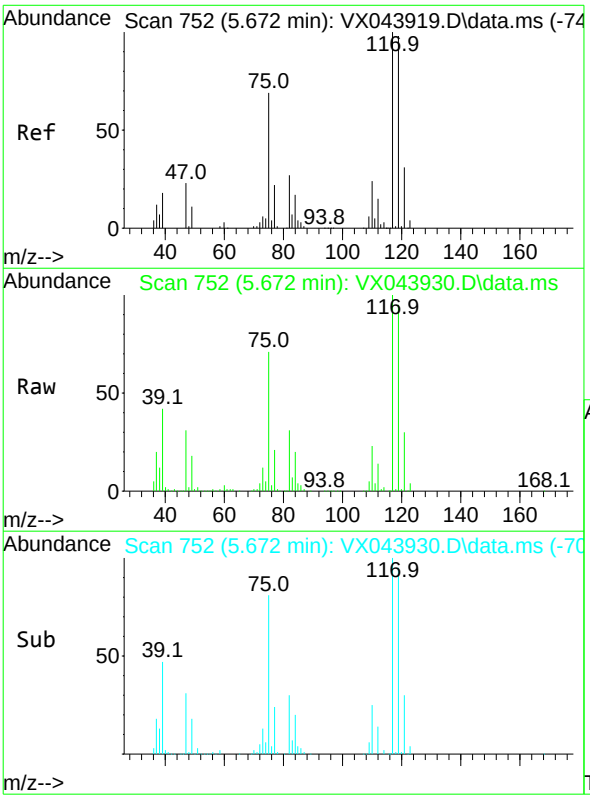
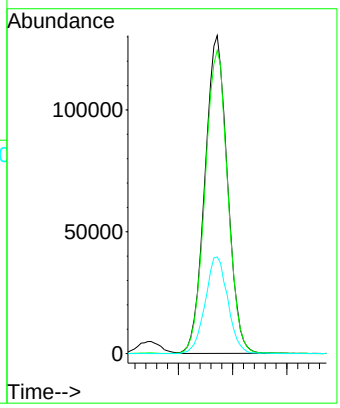
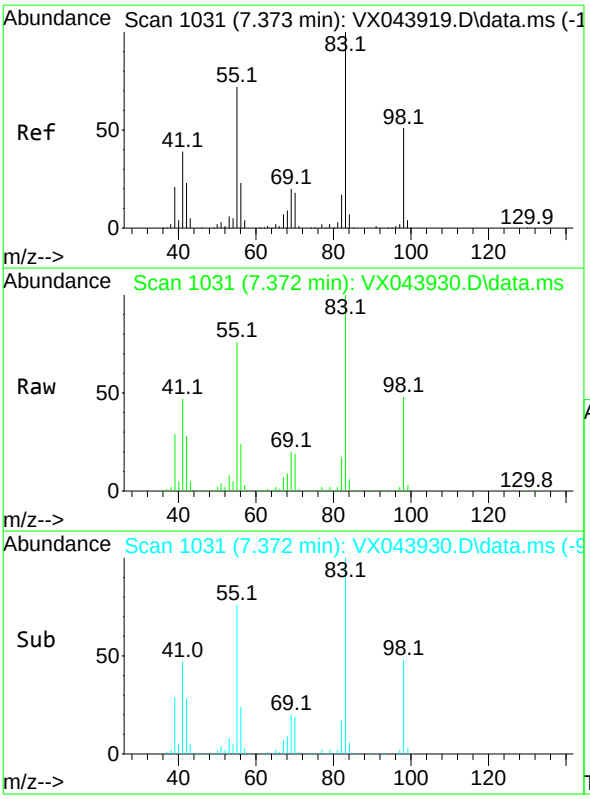



#38
Carbon Tetrachloride
Concen: 178.719 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 78.3 | 117.5 |
| 121 | 30.4 | 25.1 | 37.7 |






#39
Methylcyclohexane
Concen: 164.816 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 410333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 57.9 | 86.9 |
| 98 | 48.3 | 40.5 | 60.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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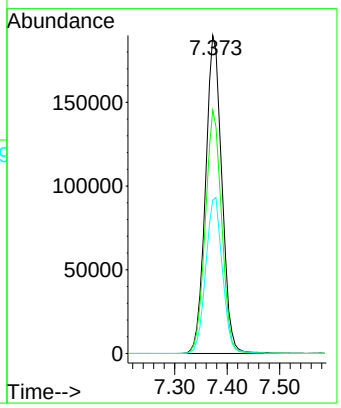
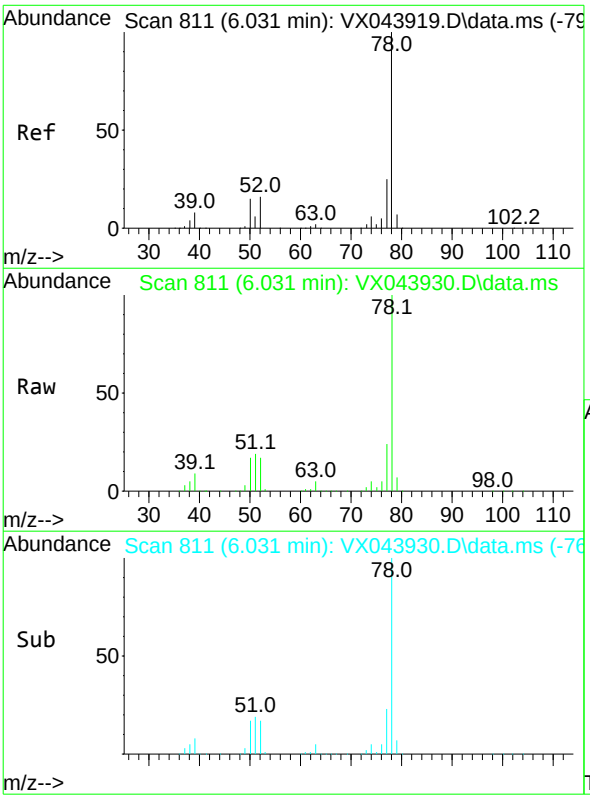
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

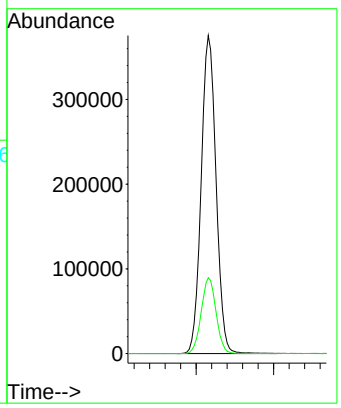


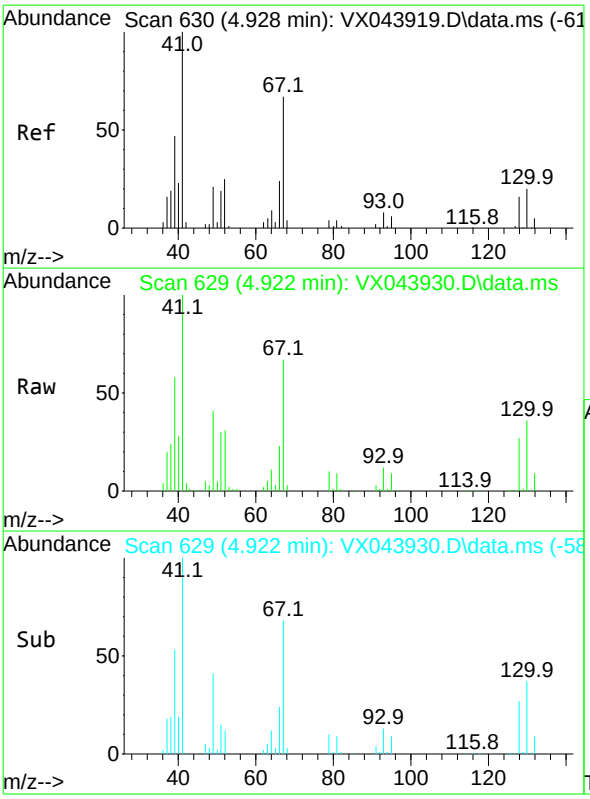




#40
Benzene
Concen: 159.808 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.8 | 29.8 |

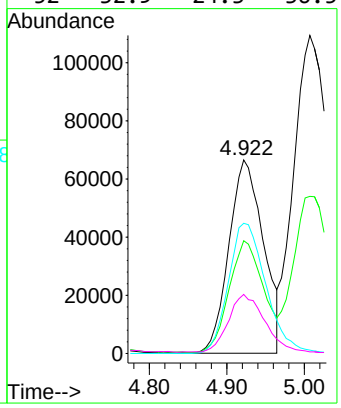





#41
Methacrylonitrile
Concen: 176.637 ug/l
RT: 4.922 min Scan# 62
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 206026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.7 | 41.2 | 61.8 |
| 67 | 73.5 | 60.3 | 90.5 |
| 52 | 32.9 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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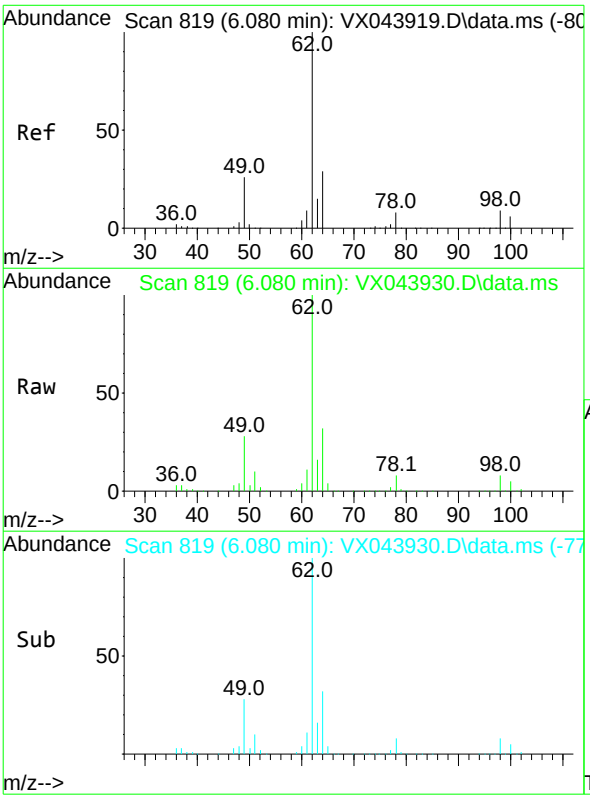
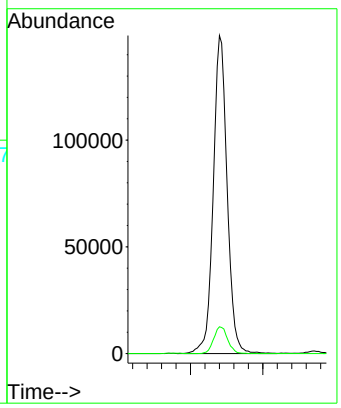
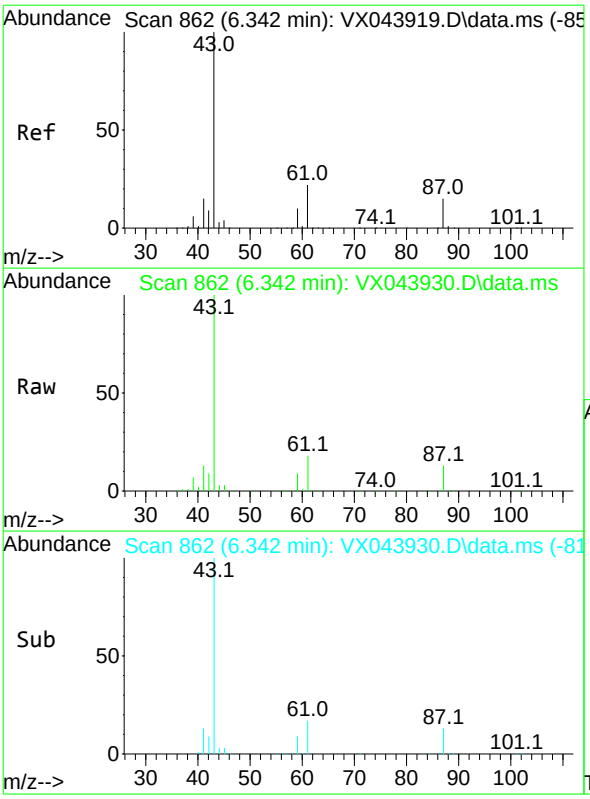



#42
1,2-Dichloroethane
Concen: 175.089 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 18.6 |

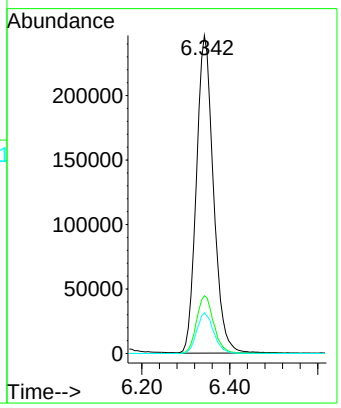





#43
Isopropyl Acetate
Concen: 187.445 ug/l
RT: 6.342 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 661839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 16.9 | 25.3 |
| 87 | 12.7 | 11.9 | 17.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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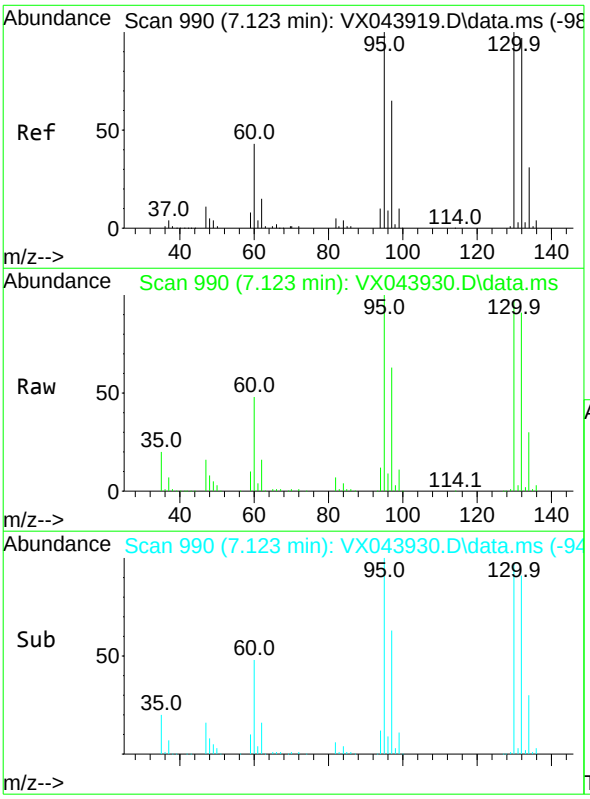
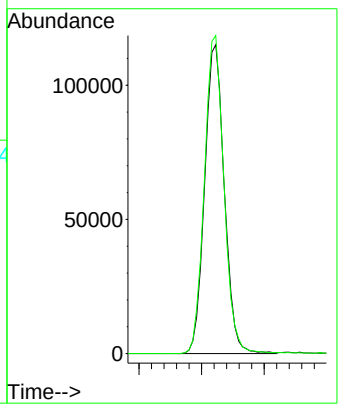
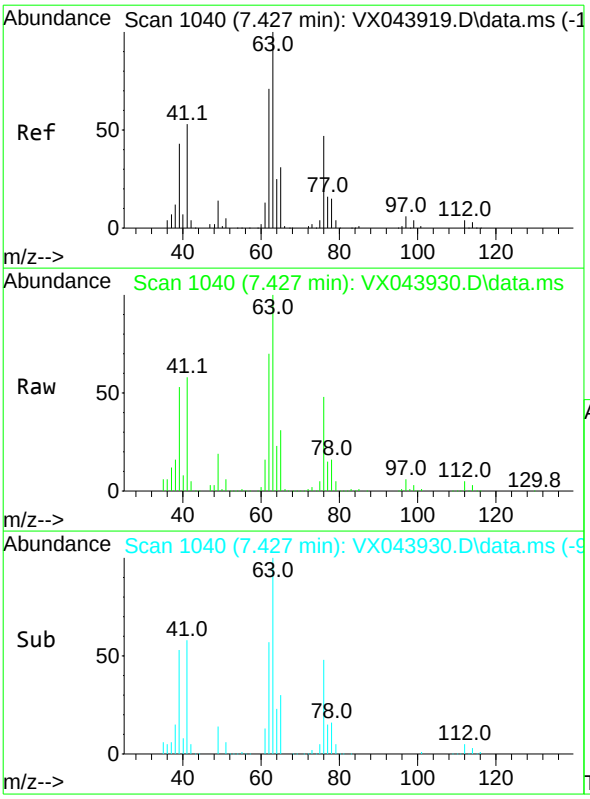



#44
Trichloroethene
Concen: 145.657 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.0 | 0.0 | 200.8 |

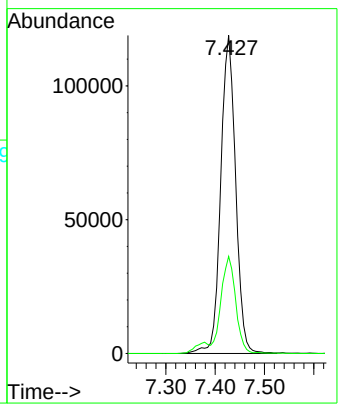





#45
1,2-Dichloropropane
Concen: 162.744 ug/l
RT: 7.427 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 249394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 24.5 | 36.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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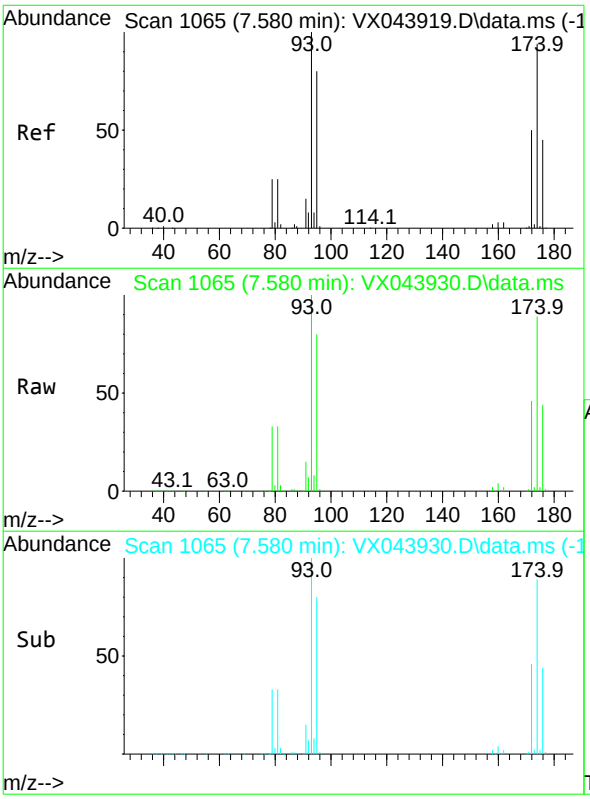
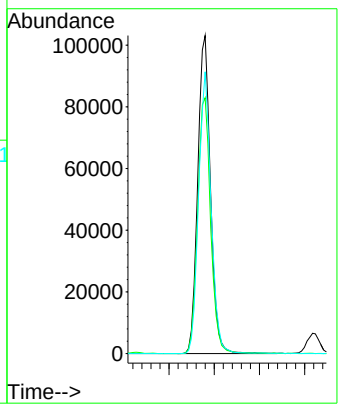
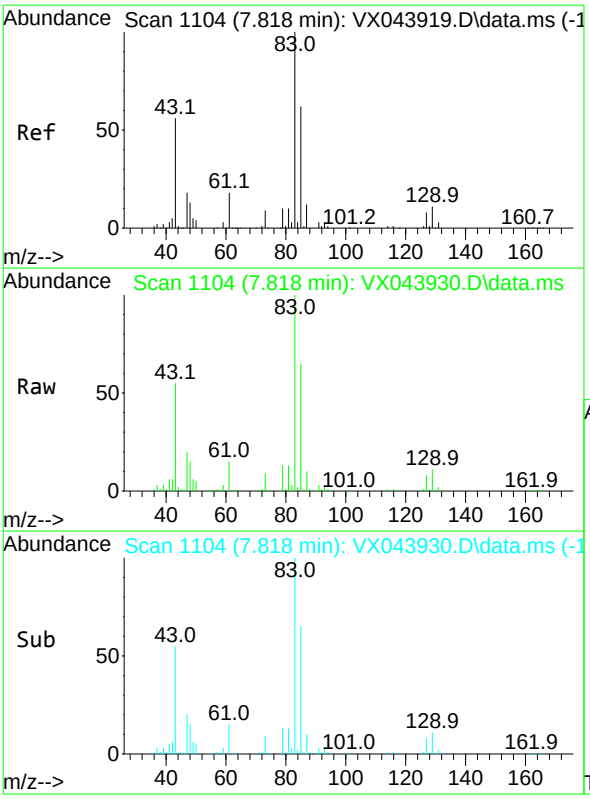



#46
Dibromomethane
Concen: 175.212 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 66.1 | 99.1 |
| 174 | 86.4 | 75.2 | 112.8 |

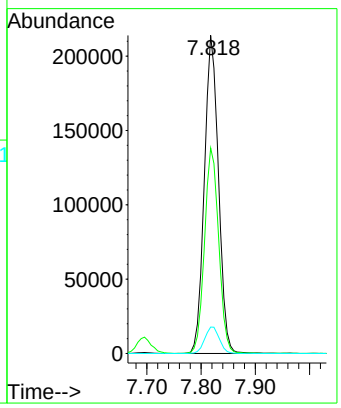





#47
Bromodichloromethane
Concen: 191.362 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 388259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 49.4 | 74.0 |
| 127 | 8.3 | 6.2 | 9.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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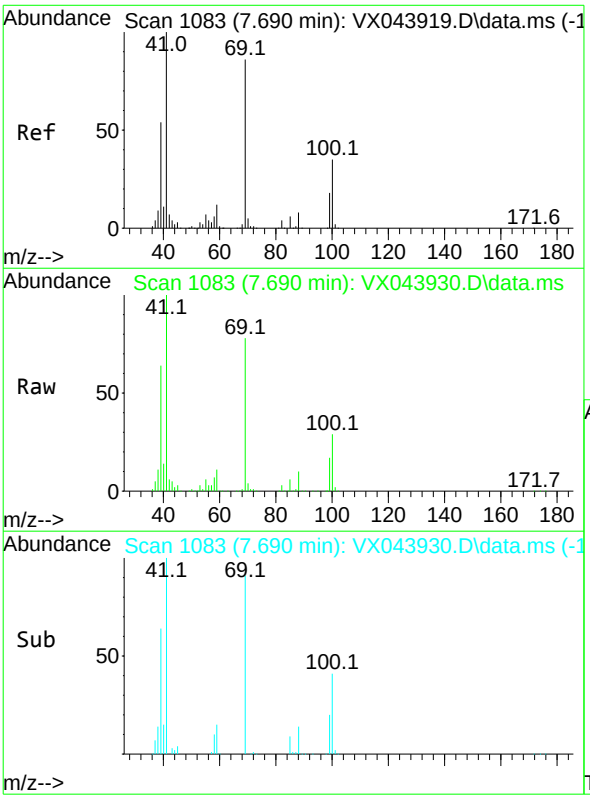
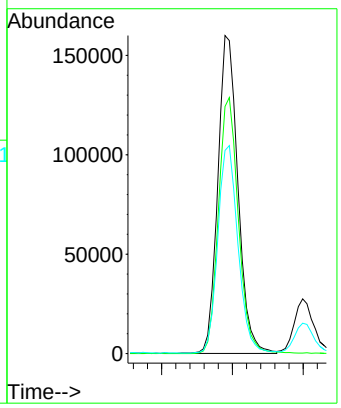
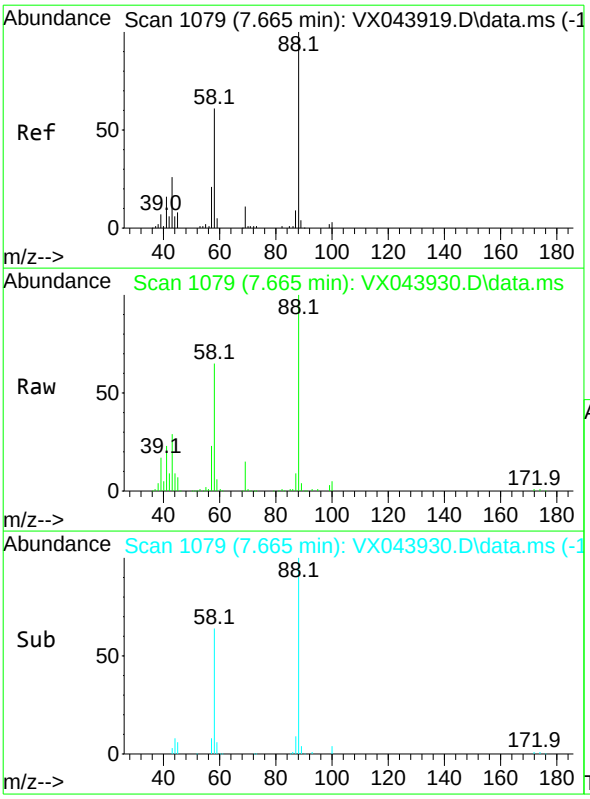



#48
Methyl methacrylate
Concen: 180.493 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 72.1 | 108.1 |
| 39 | 65.4 | 43.8 | 65.8 |






#49
1,4-Dioxane
Concen: 2860.706 ug/l
RT: 7.665 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 88 Resp: 106634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.6 | 17.4 | 26.0# |
| 58 | 66.2 | 41.0 | 61.6# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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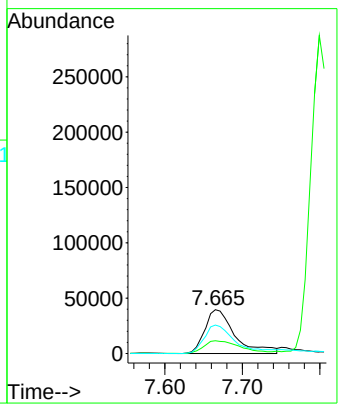
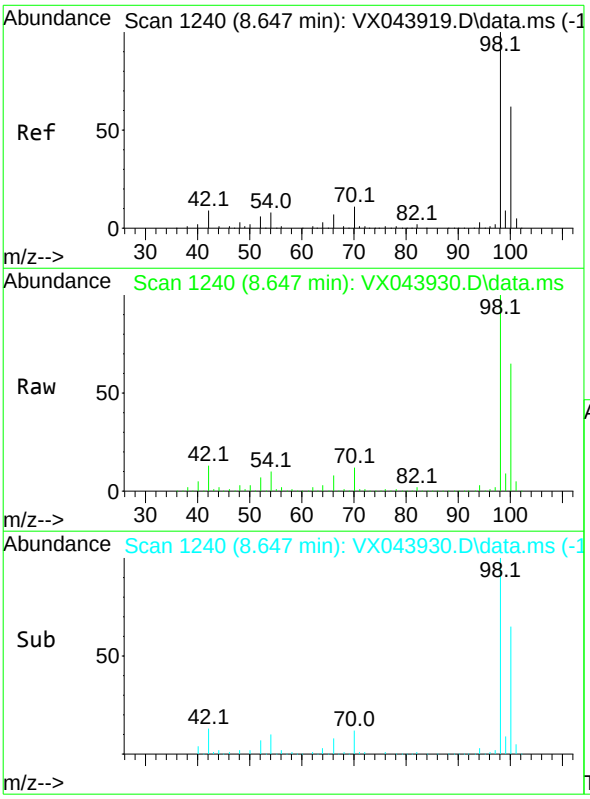
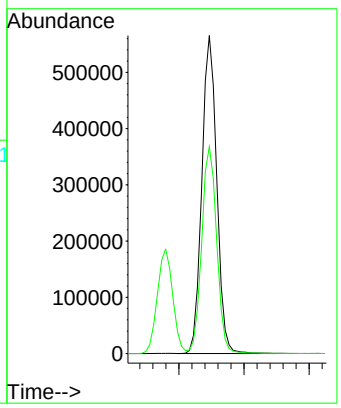


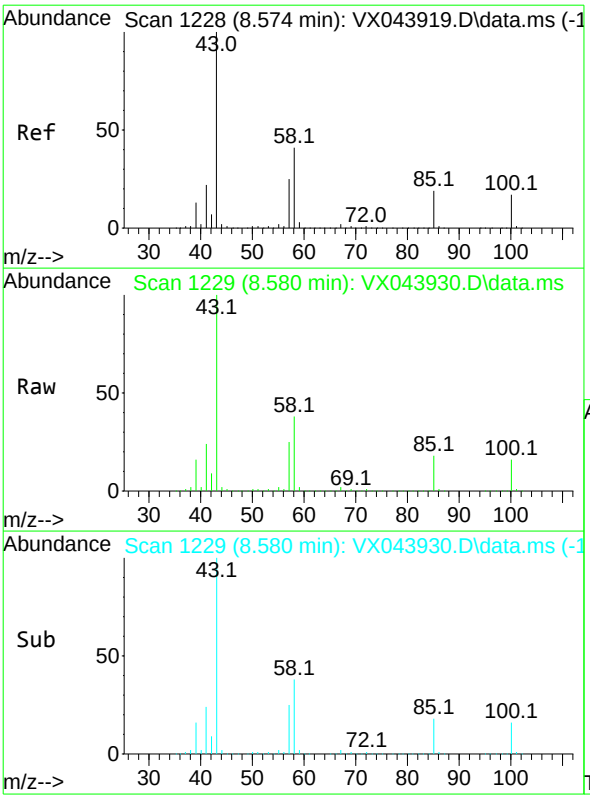




#50
Toluene-d8
Concen: 168.154 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 53.0 | 79.6 |

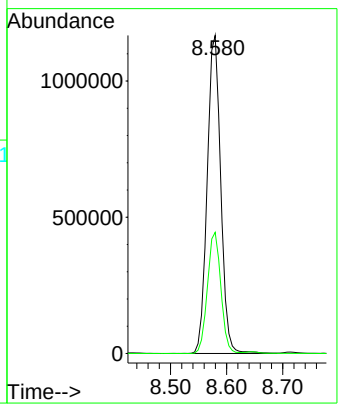





#51
4-Methyl-2-Pentanone
Concen: 887.971 ug/l
RT: 8.580 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 32.4 | 48.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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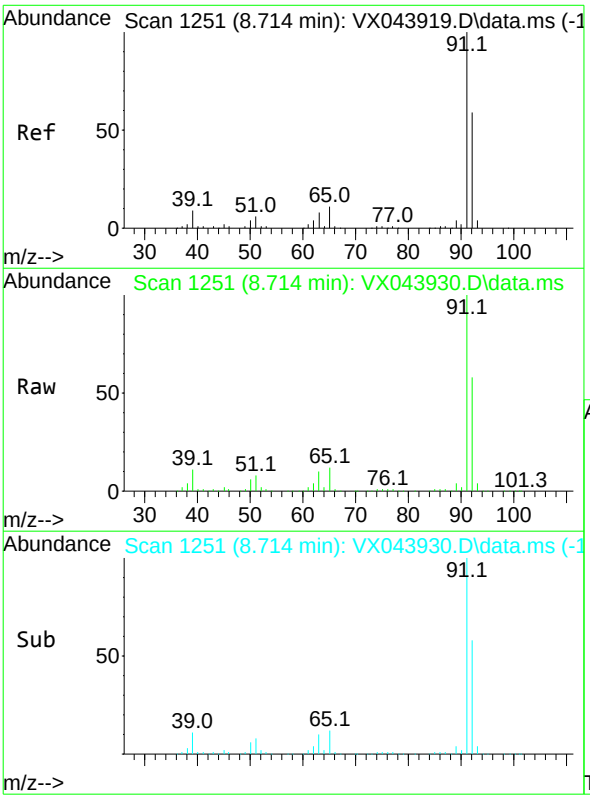
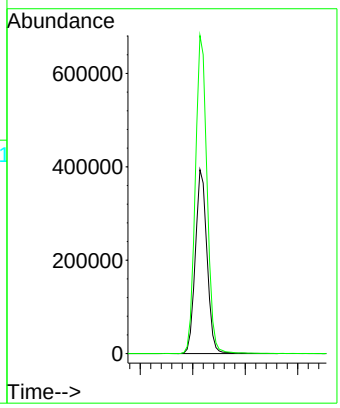
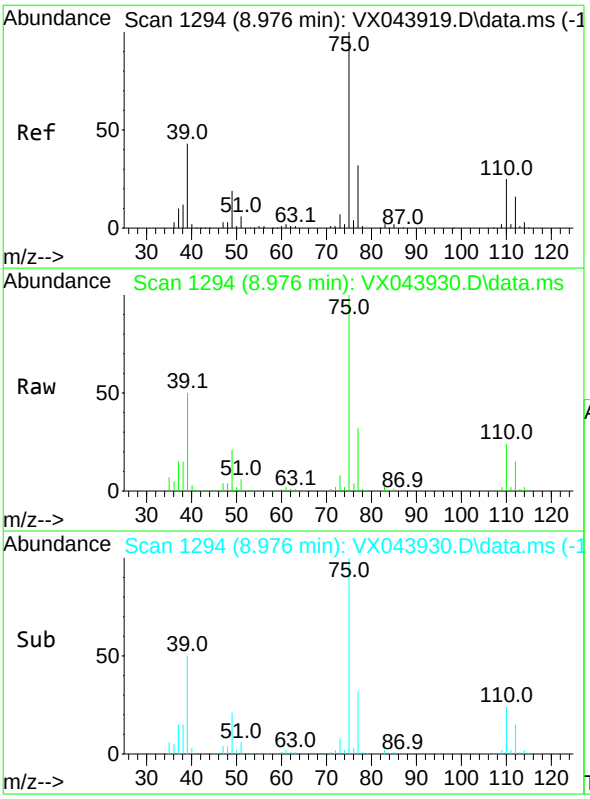



#52
Toluene
Concen: 168.323 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.9 | 136.2 | 204.4 |

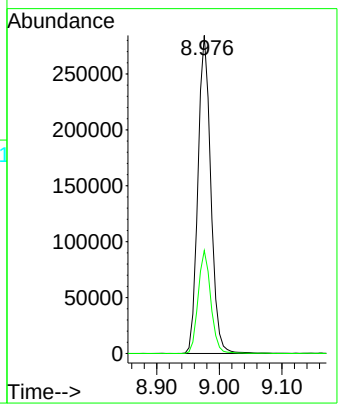





#53
t-1,3-Dichloropropene
Concen: 197.387 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 406346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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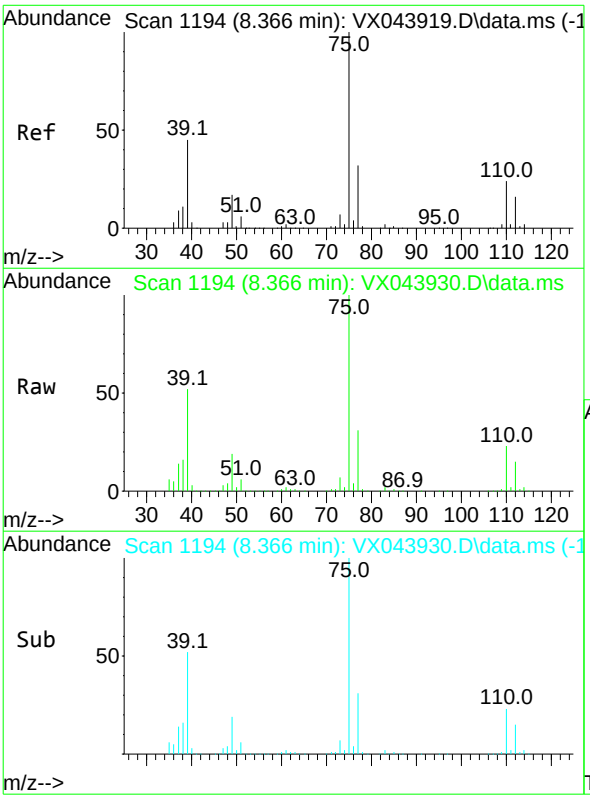
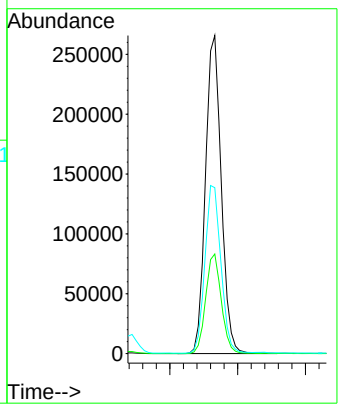
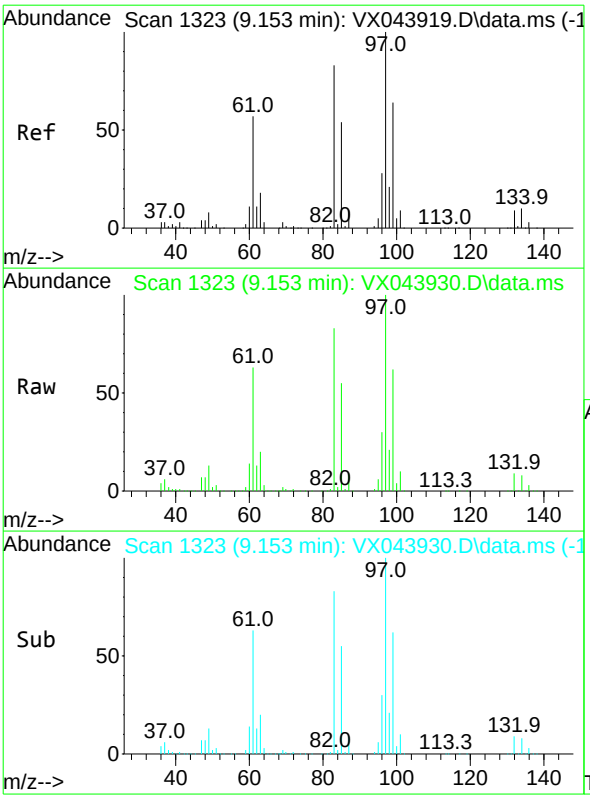



#54
cis-1,3-Dichloropropene
Concen: 183.704 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.4 | 38.2 |
| 39 | 52.0 | 36.1 | 54.1 |

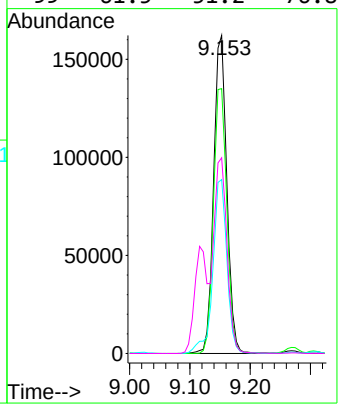





#55
1,1,2-Trichloroethane
Concen: 174.579 ug/l
RT: 9.153 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 245706

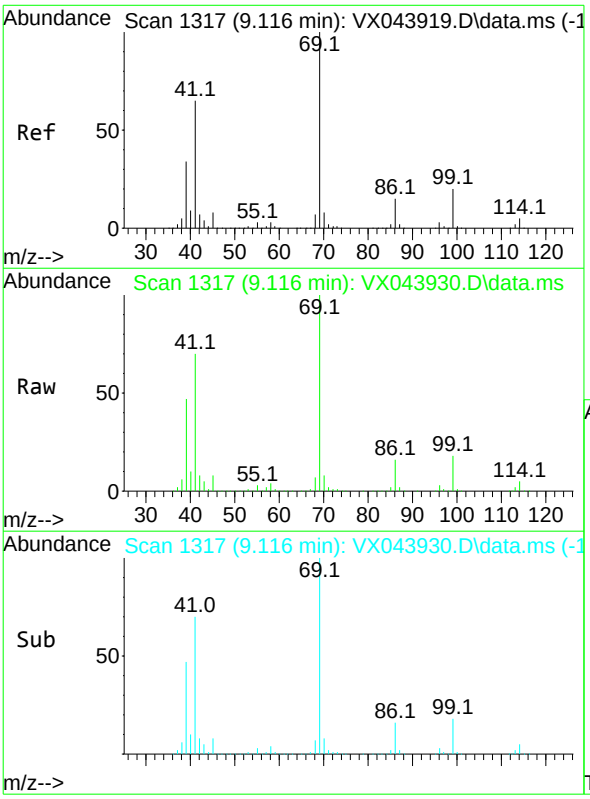
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.3 | 66.5 | 99.7 |
| 85 | 54.7 | 43.4 | 65.2 |
| 99 | 61.5 | 51.2 | 76.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

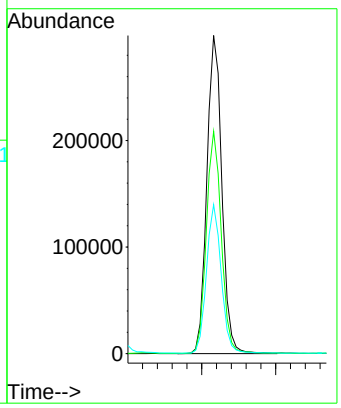
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

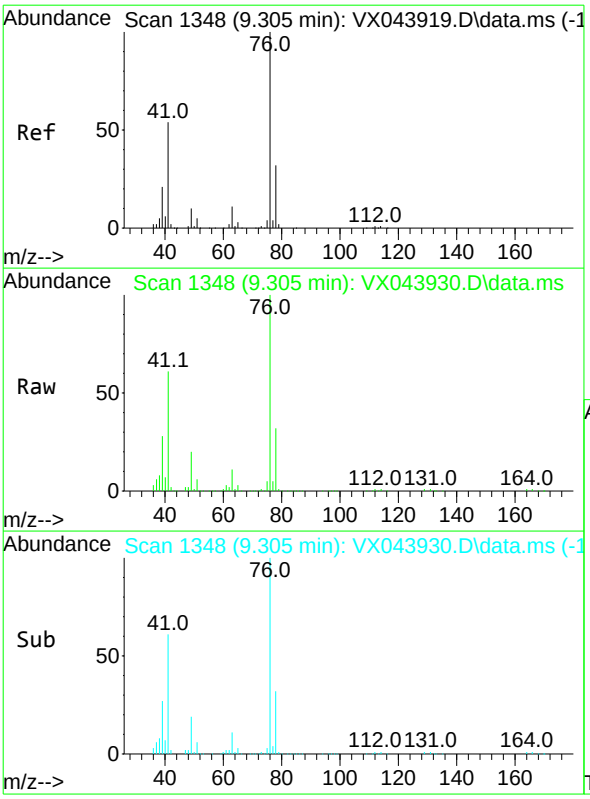



#56
Ethyl methacrylate
Concen: 188.658 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 51.7 | 77.5 |
| 39 | 45.9 | 26.8 | 40.2# |

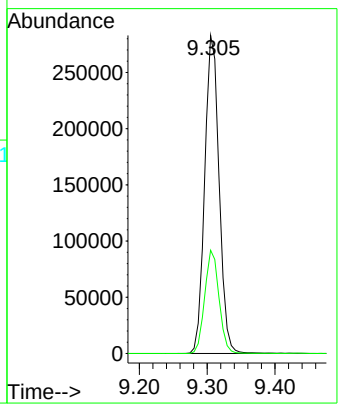





#57
1,3-Dichloropropane
Concen: 176.770 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 76 Resp: 416811

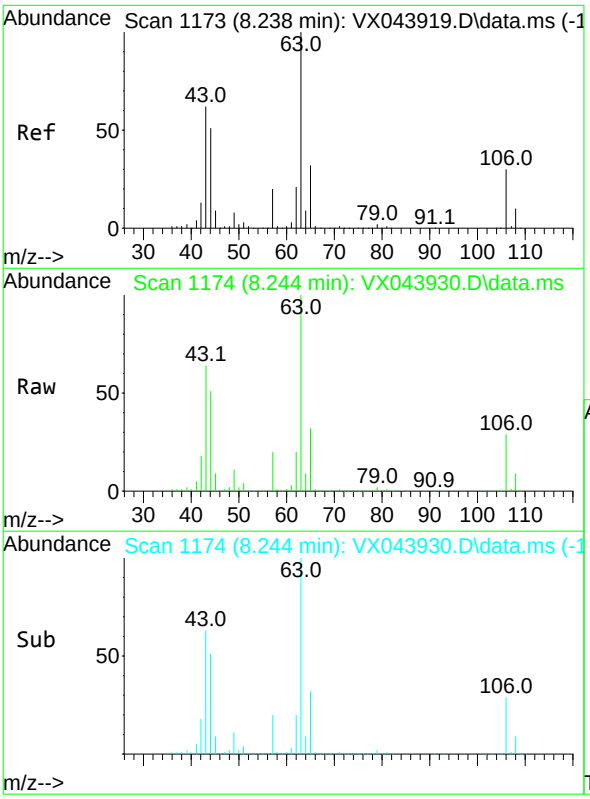
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 25.9 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

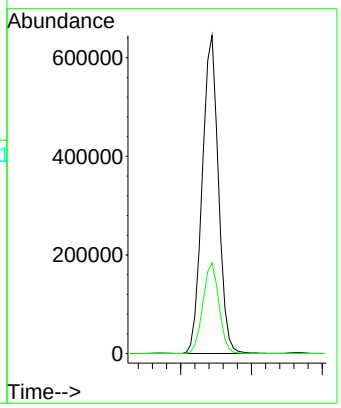
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

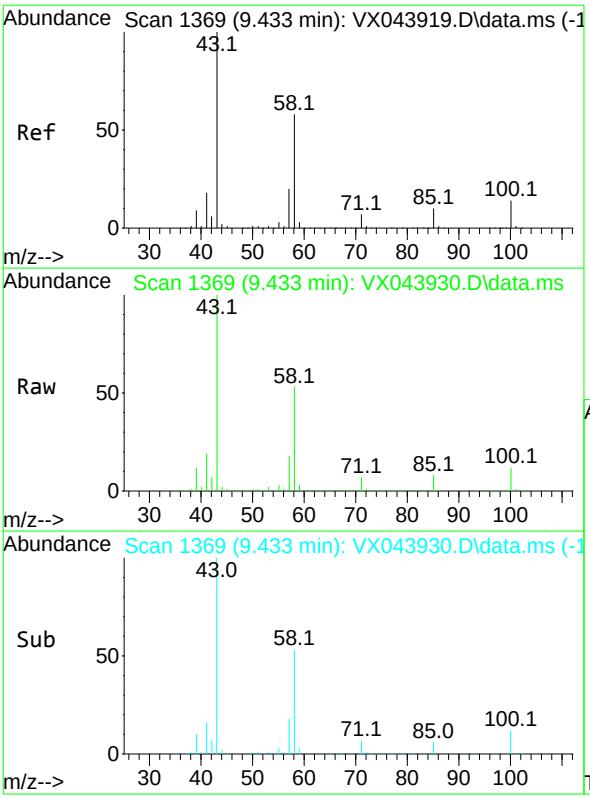



#58
2-Chloroethyl Vinyl ether
Concen: 875.887 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 23.8 | 35.6 |

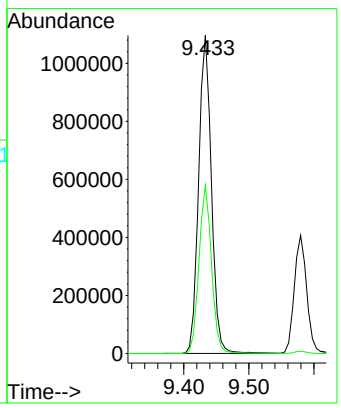





#59
2-Hexanone
Concen: 961.650 ug/l
RT: 9.433 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 28.3 | 84.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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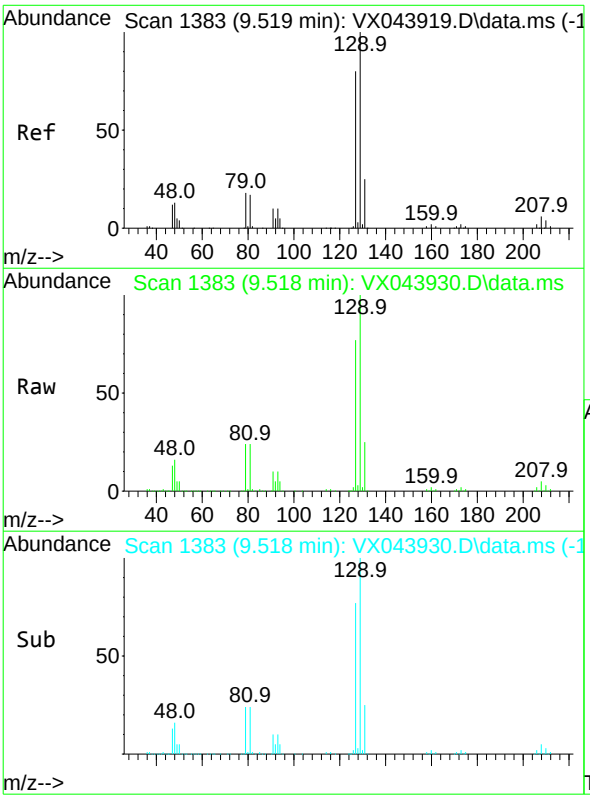
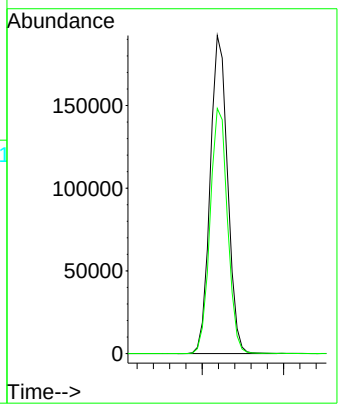
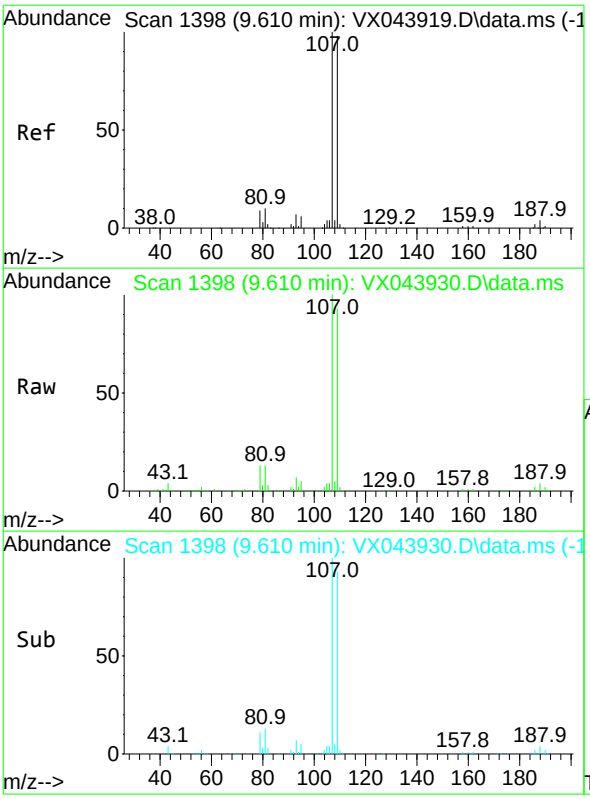



#60
Dibromochloromethane
Concen: 208.679 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.6 | 115.8 |

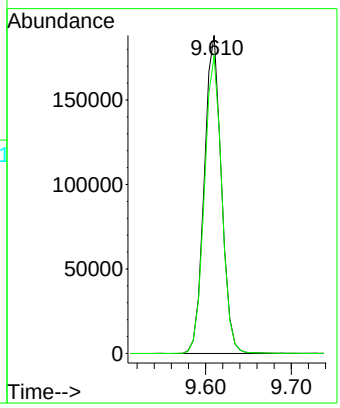





#61
1,2-Dibromoethane
Concen: 178.035 ug/l
RT: 9.610 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:107 Resp: 261369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.1 | 76.2 | 114.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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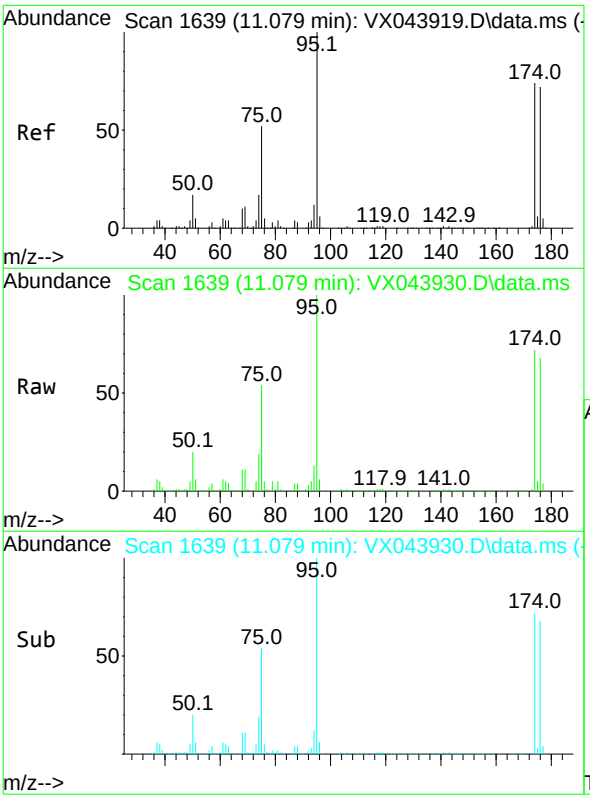
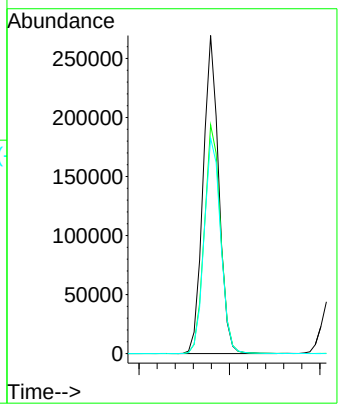
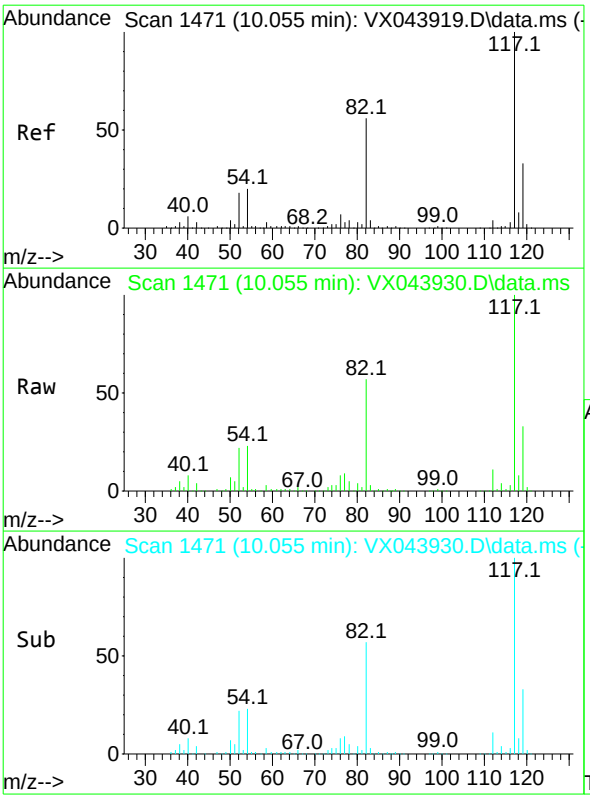



#62
4-Bromofluorobenzene
Concen: 184.279 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.6 | 0.0 | 152.2 |
| 176 | 71.4 | 0.0 | 145.8 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 203280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 44.6 | 67.0 |
| 119 | 32.6 | 26.5 | 39.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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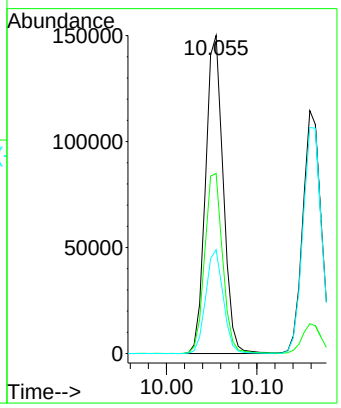
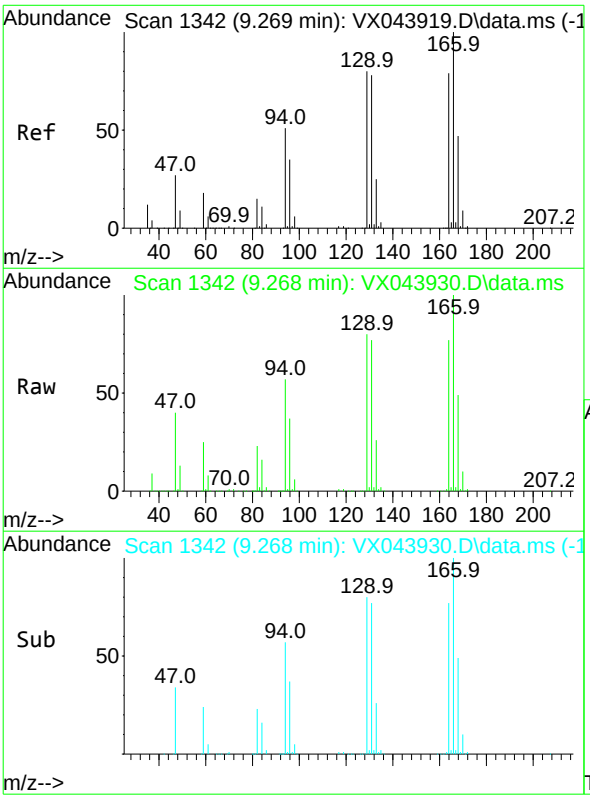
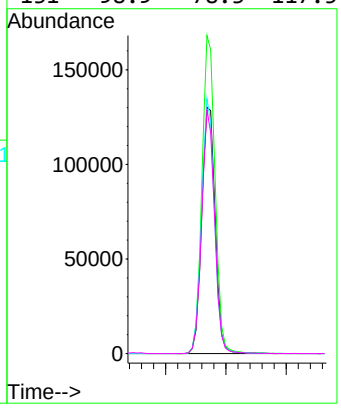


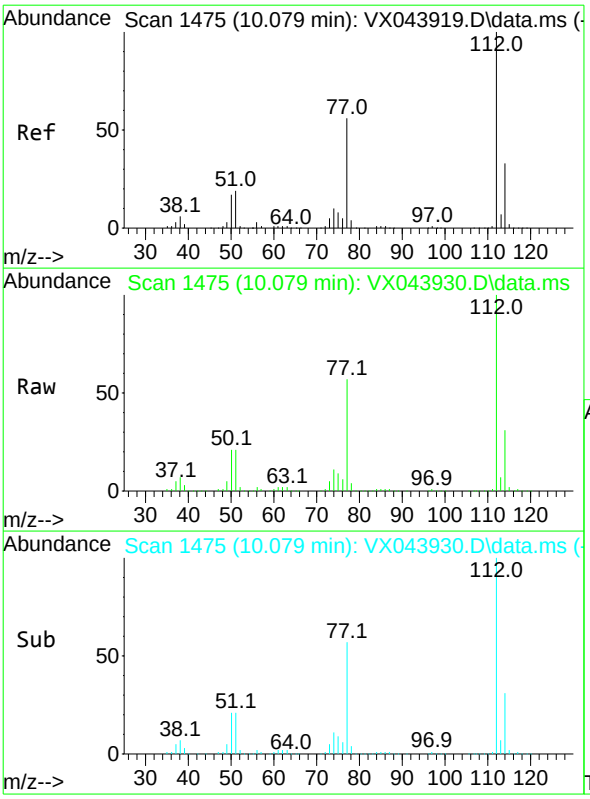




#64
Tetrachloroethene
Concen: 155.122 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 100.9 | 151.3 |
| 129 | 103.4 | 80.3 | 120.5 |
| 131 | 98.9 | 78.3 | 117.5 |

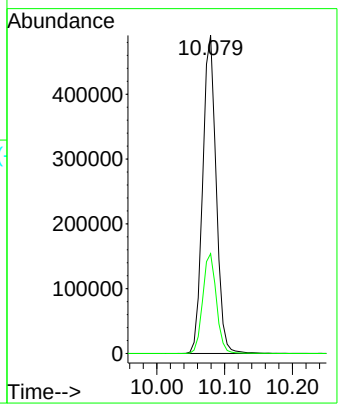





#65
Chlorobenzene
Concen: 159.085 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:112 Resp: 675513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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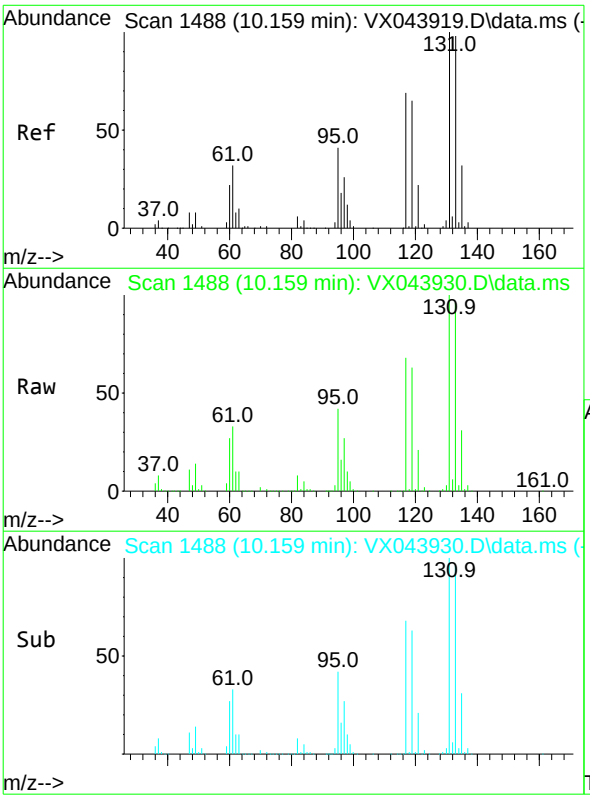
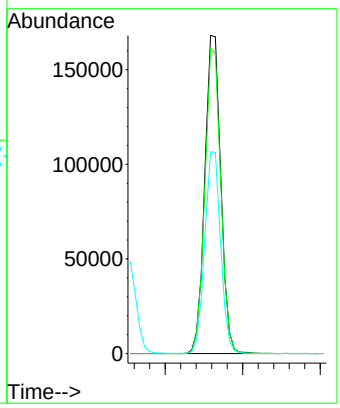
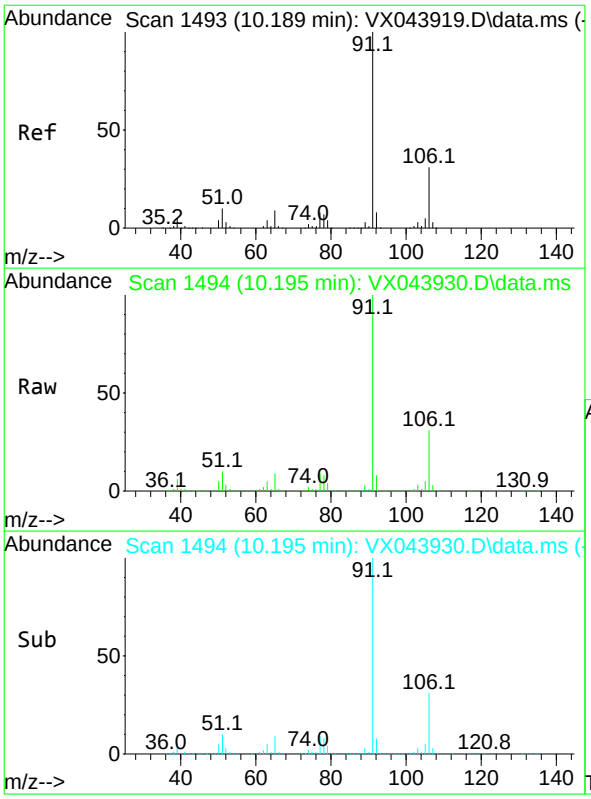



#66
1,1,1,2-Tetrachloroethane
Concen: 170.964 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 48.8 | 146.3 |
| 119 | 63.3 | 32.9 | 98.7 |






#67
Ethyl Benzene
Concen: 165.365 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1181693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 25.0 | 37.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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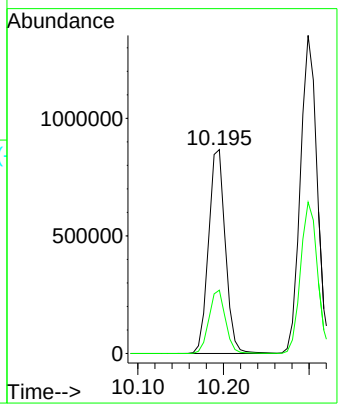
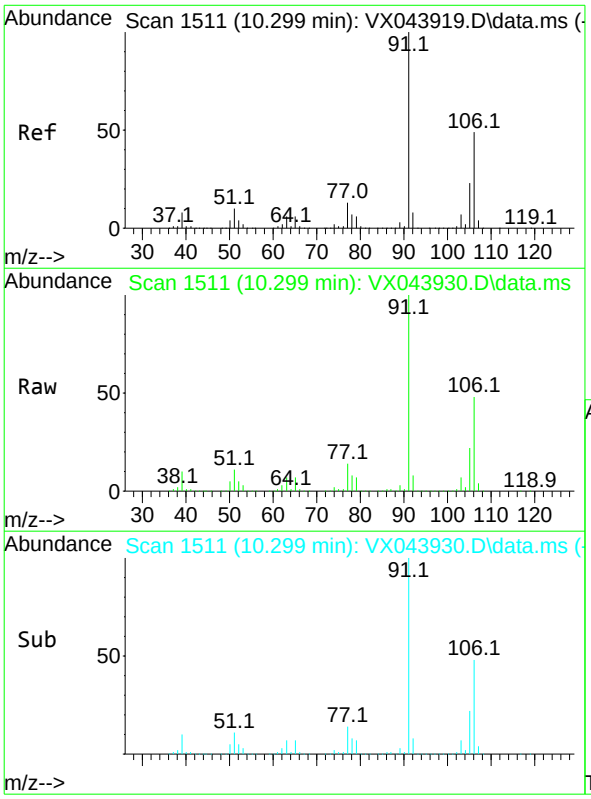
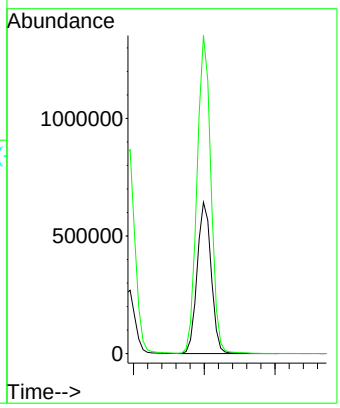


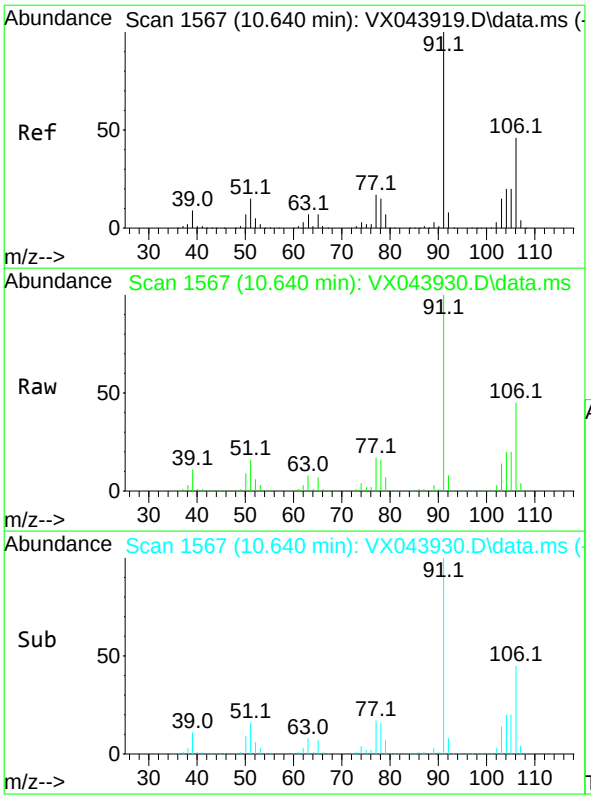




#68
m/p-Xylenes
Concen: 332.148 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 163.3 | 244.9 |

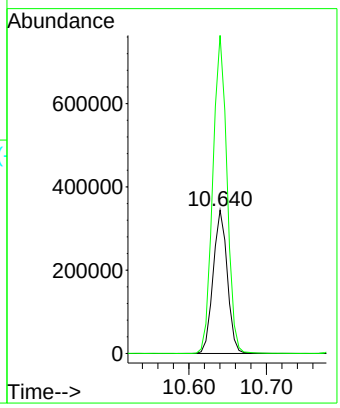





#69
o-Xylene
Concen: 168.240 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 436919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 109.6 | 328.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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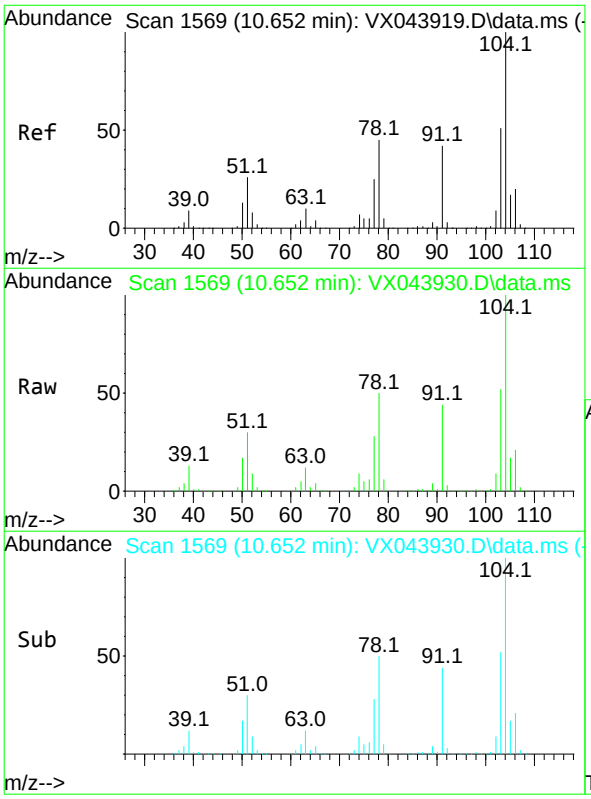
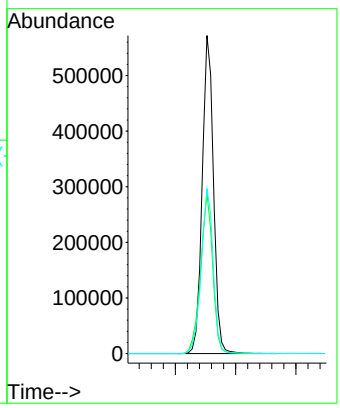
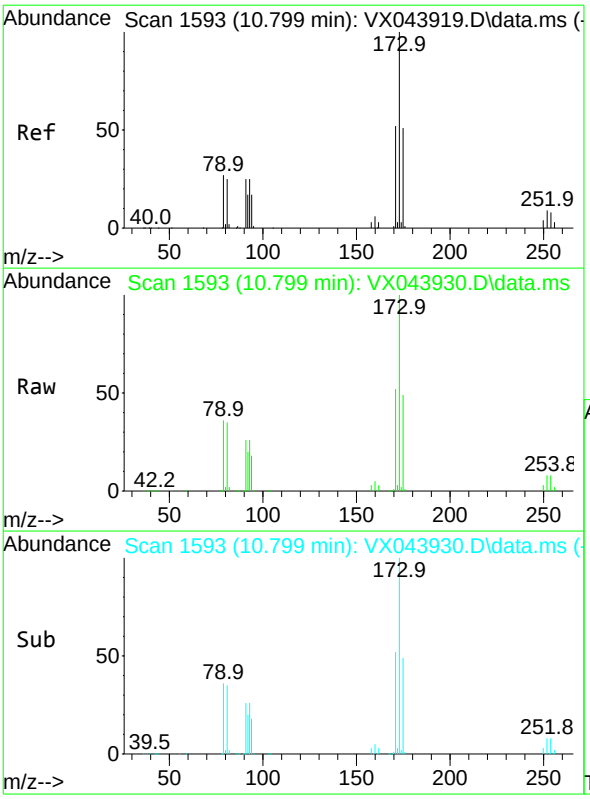



#70
Styrene
Concen: 173.379 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.2 | 40.3 | 60.5 |
| 103 | 55.2 | 43.9 | 65.9 |






#71
Bromoform
Concen: 161.632 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:173 Resp: 186691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.6 | 73.8 |
| 254 | 0.1 | 0.1 | 0.1# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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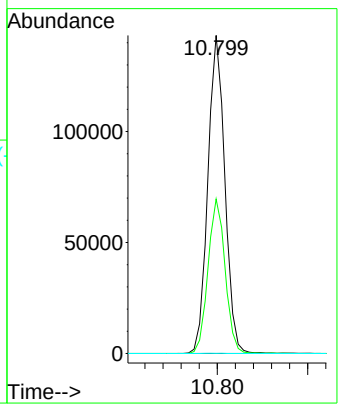
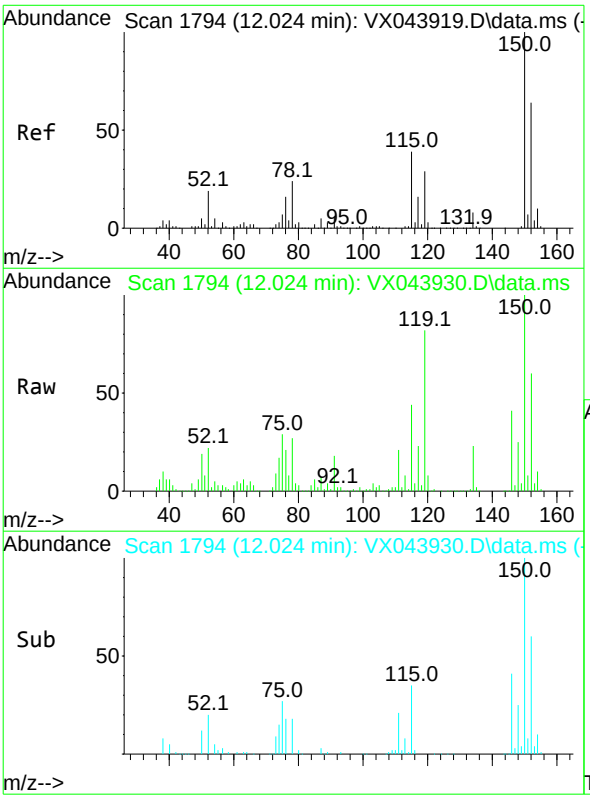
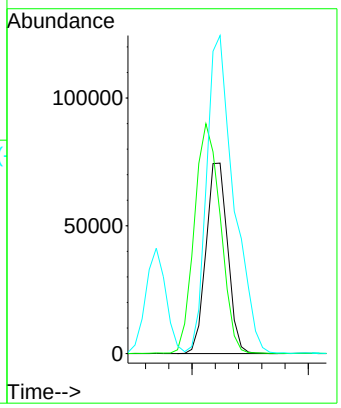


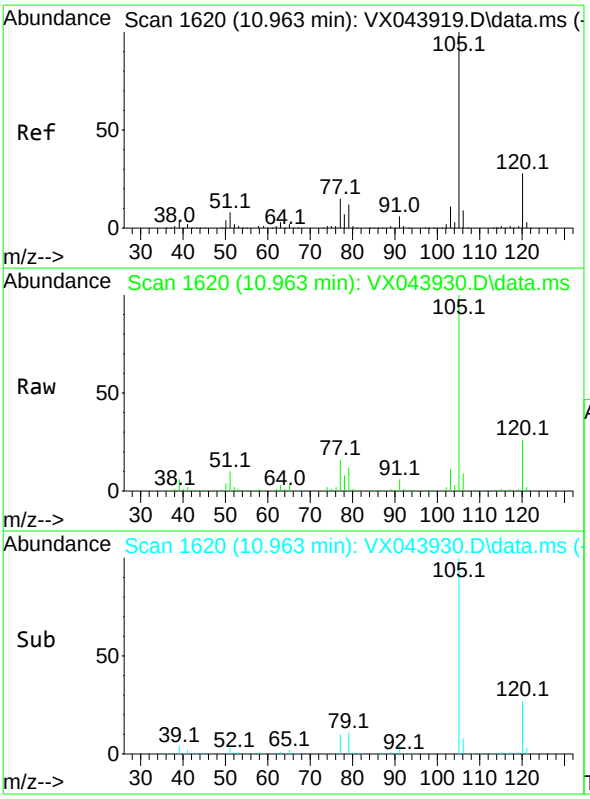




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 145.9 | 42.1 | 126.3# |
| 150 | 210.2 | 0.0 | 348.2 |

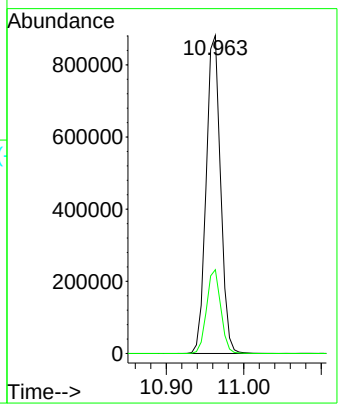





#73
Isopropylbenzene
Concen: 165.031 ug/l
RT: 10.963 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1135309

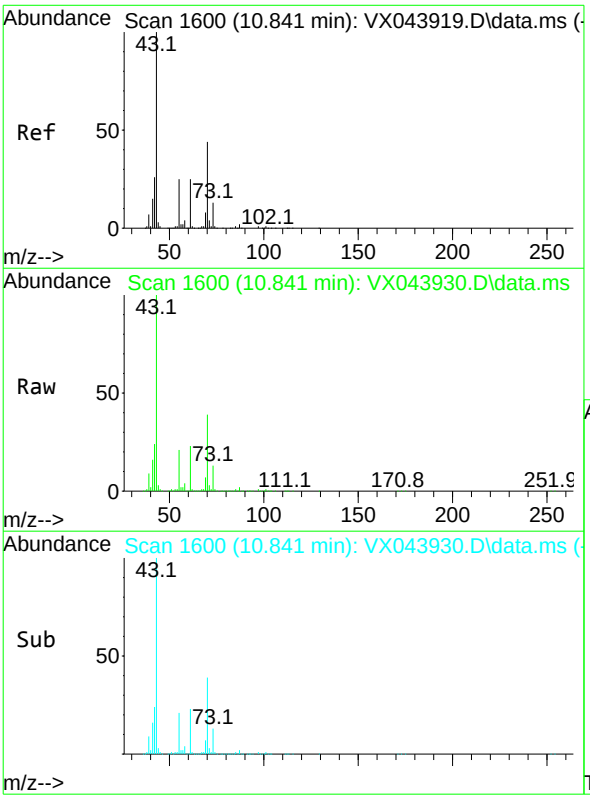
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.3 | 39.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

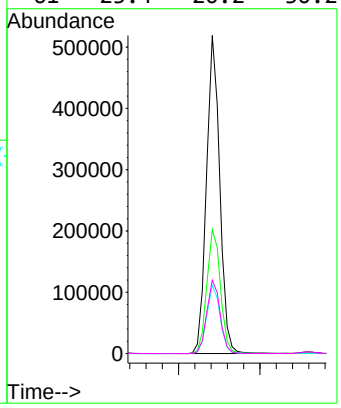
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

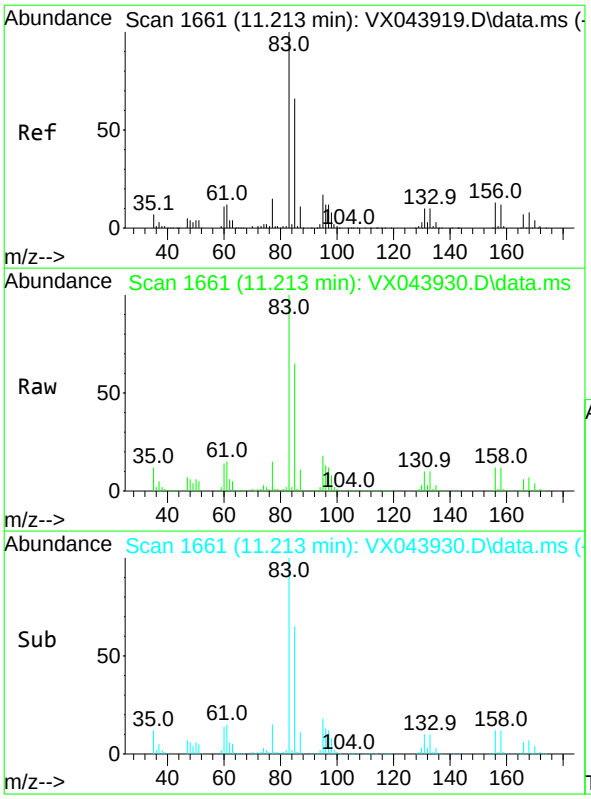



#74
N-amyl acetate
Concen: 159.995 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 36.5 | 54.7 |
| 55 | 21.7 | 19.6 | 29.4 |
| 61 | 23.4 | 20.2 | 30.2 |

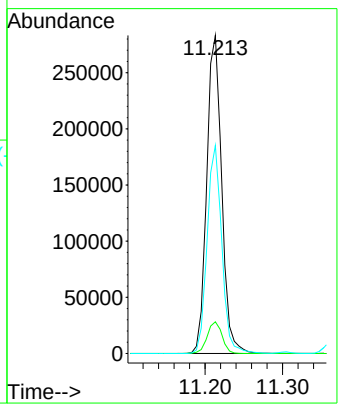





#75
1,1,2,2-Tetrachloroethane
Concen: 163.351 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 379947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.3 |
| 85 | 64.1 | 32.3 | 96.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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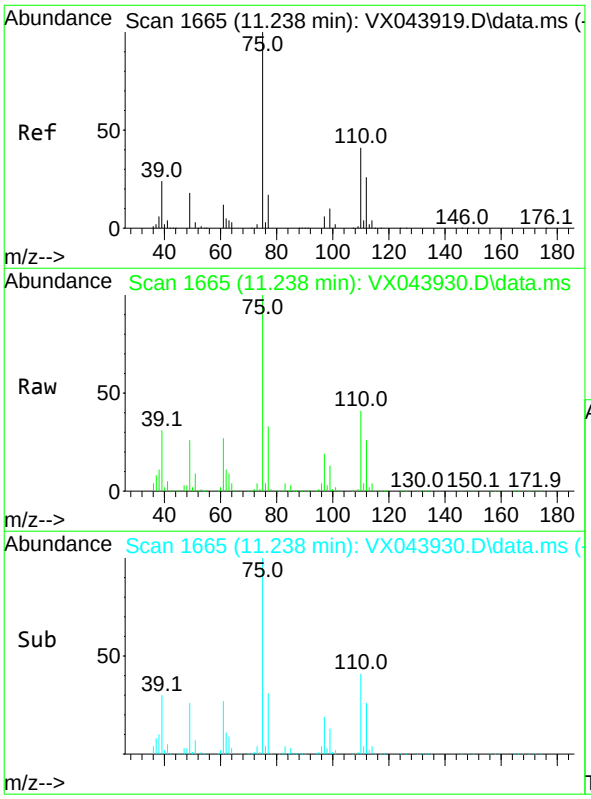
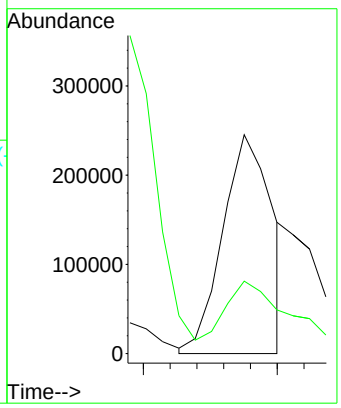
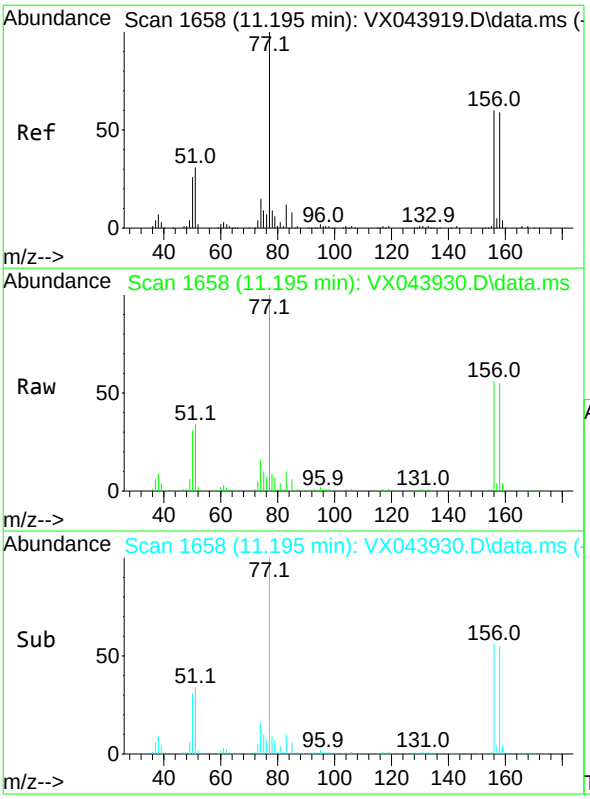



#76
1,2,3-Trichloropropane
Concen: 159.312 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 313344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 45.6 | 22.4 | 67.0 |






#77
Bromobenzene
Concen: 160.539 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:156 Resp: 270671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.5 | 81.2 | 243.6 |
| 158 | 96.8 | 48.6 | 145.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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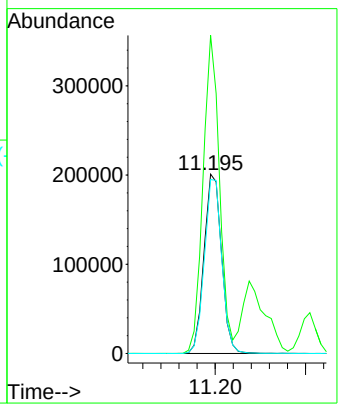
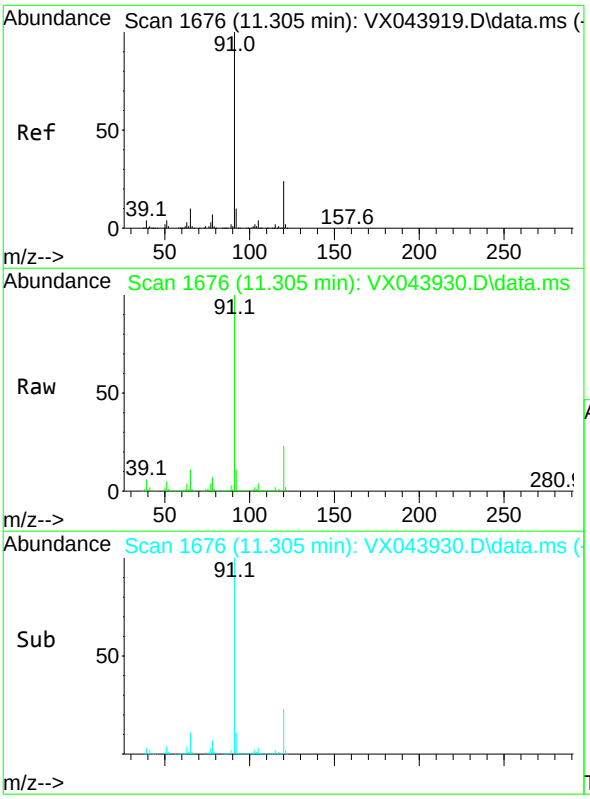
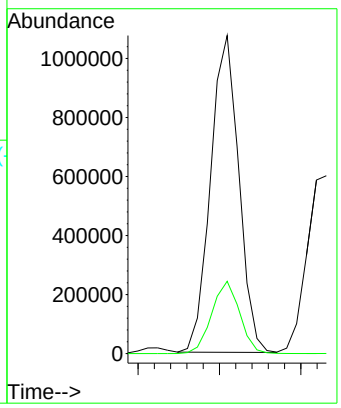


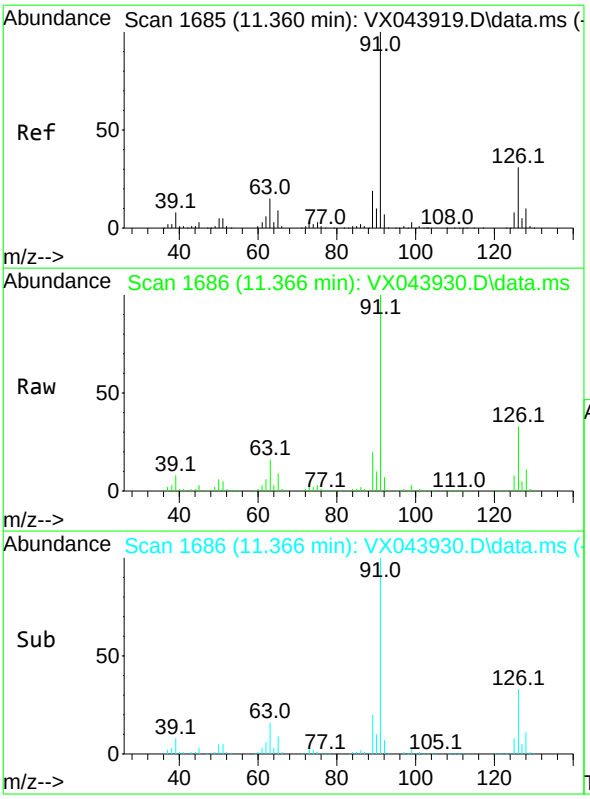




#78
n-propylbenzene
Concen: 170.866 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.5 | 34.5 |

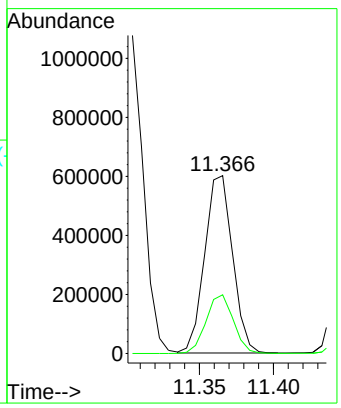





#79
2-Chlorotoluene
Concen: 163.185 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 788163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
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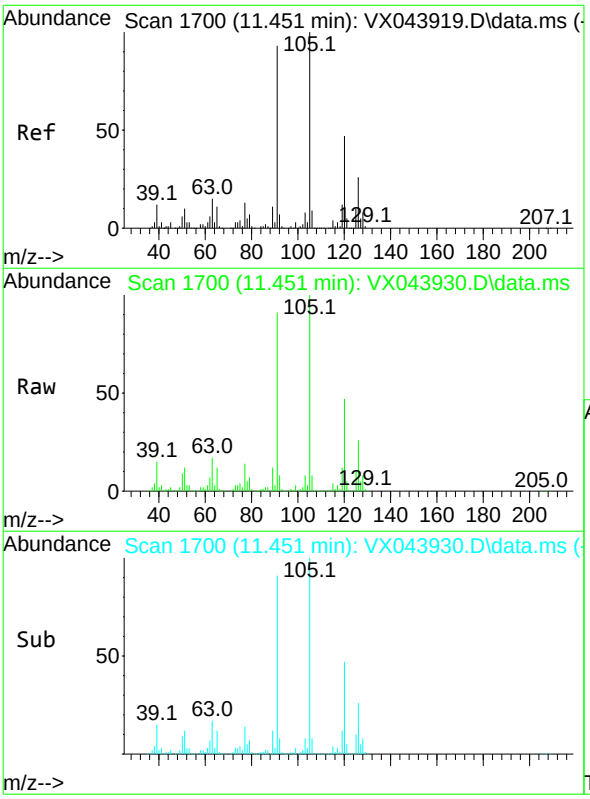
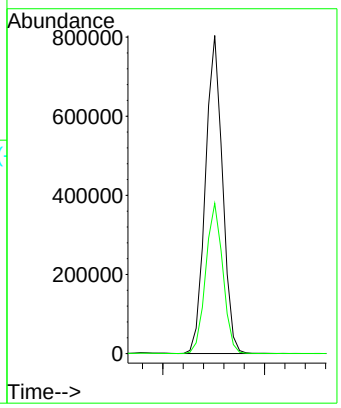
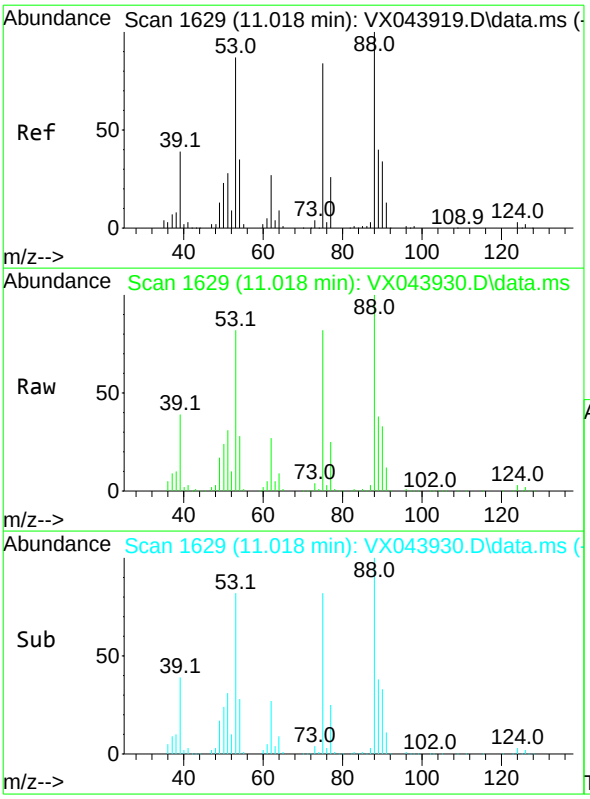



#80
1,3,5-Trimethylbenzene
Concen: 164.167 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.8 | 71.5 |






#81
trans-1,4-Dichloro-2-butene
Concen: 161.734 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 136104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.1 | 81.7 | 122.5 |
| 89 | 47.0 | 38.6 | 57.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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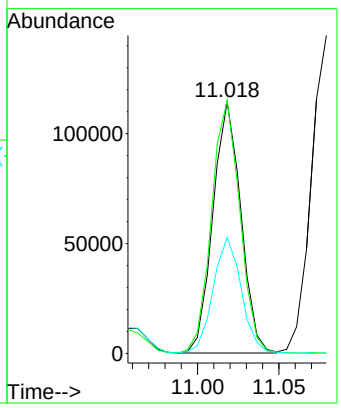
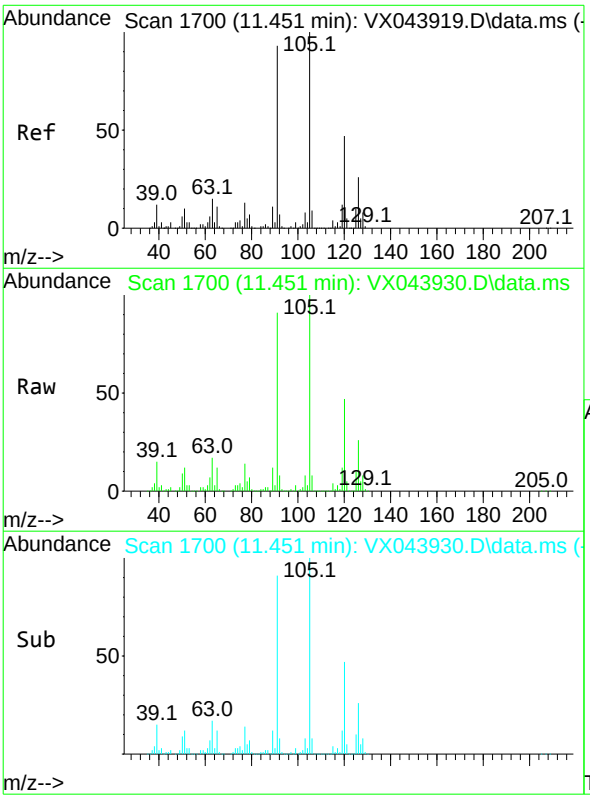
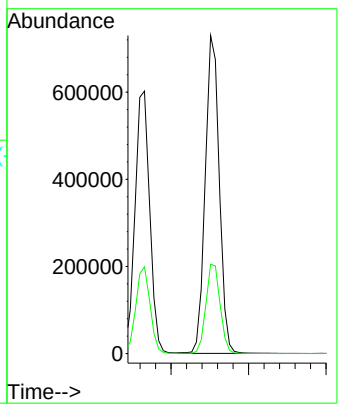


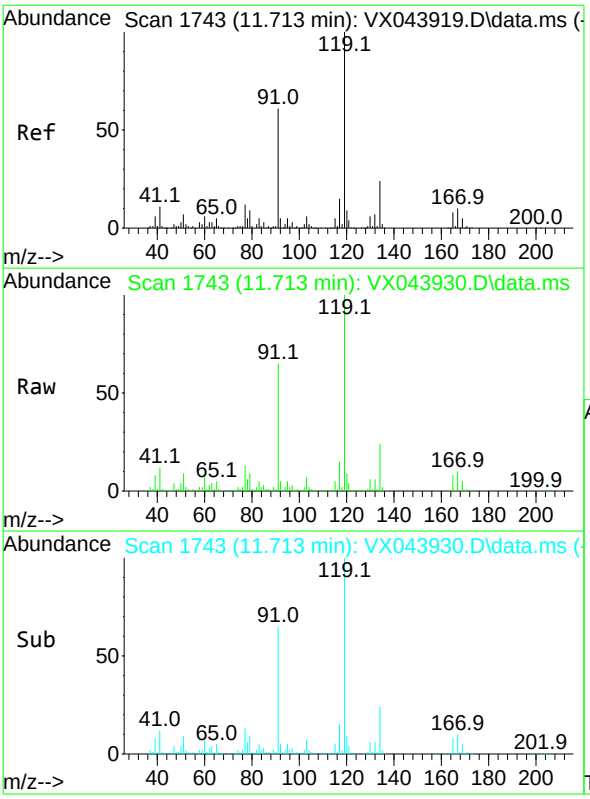




#82
4-Chlorotoluene
Concen: 165.319 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.4 | 43.2 |

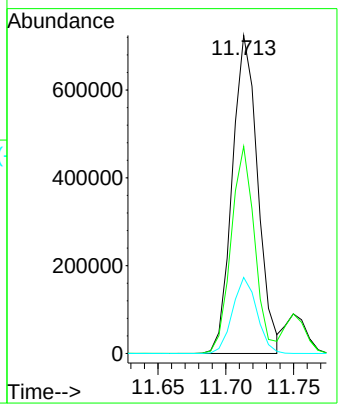





#83
tert-Butylbenzene
Concen: 162.017 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 945058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.6 | 29.5 | 88.6 |
| 134 | 22.9 | 11.8 | 35.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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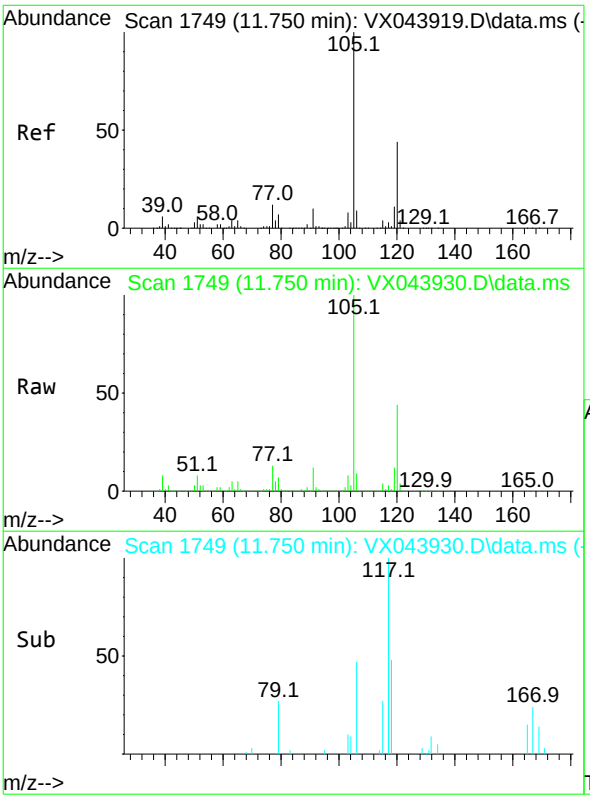
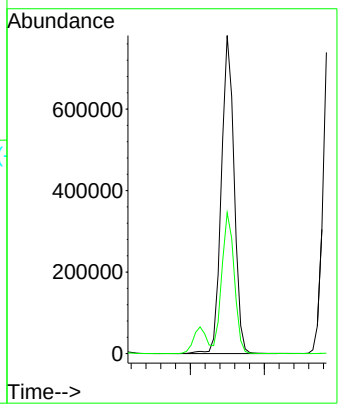
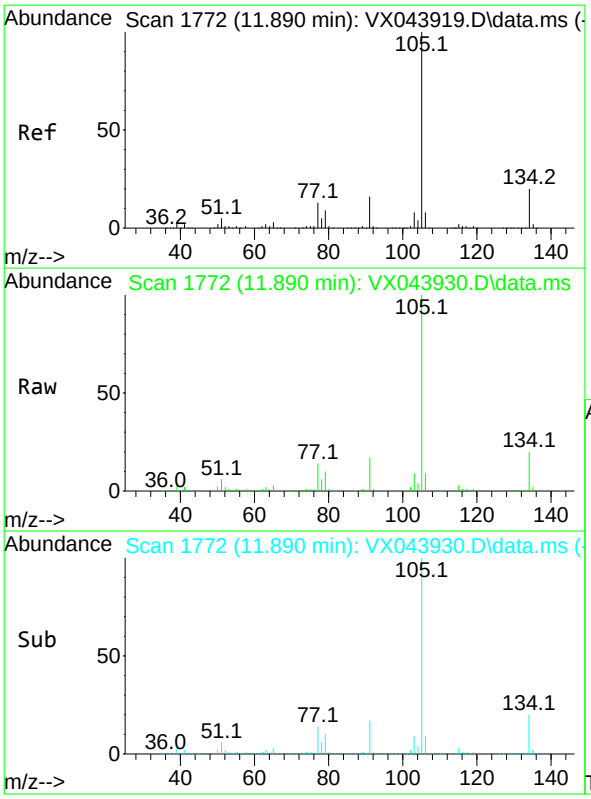



#84
1,2,4-Trimethylbenzene
Concen: 161.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.7 | 65.1 |

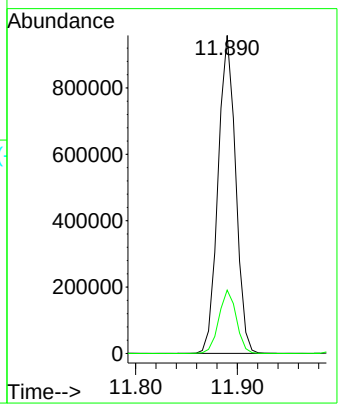





#85
sec-Butylbenzene
Concen: 164.934 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 1148877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 10.0 | 29.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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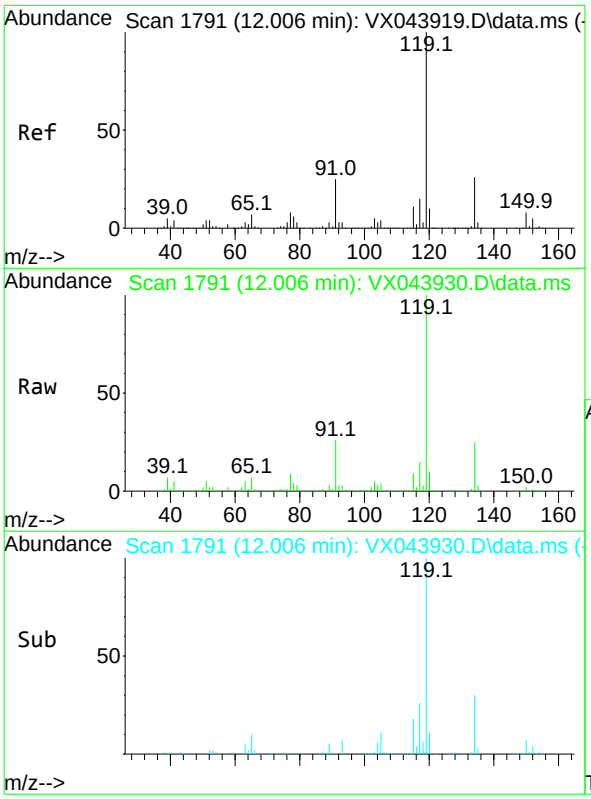
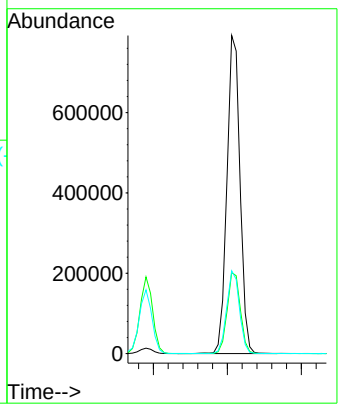
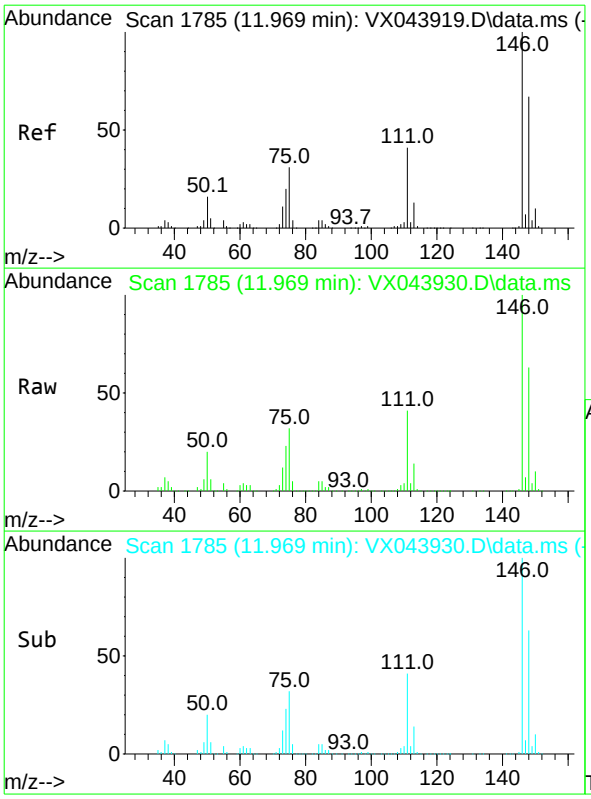



#86
p-Isopropyltoluene
Concen: 166.189 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 25.4 | 12.3 | 36.8 |

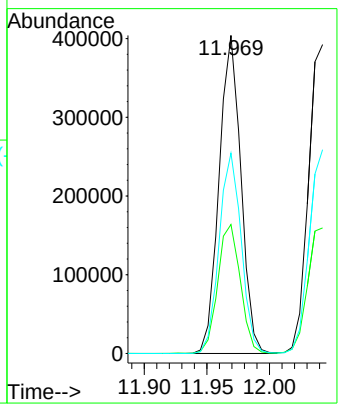





#87
1,3-Dichlorobenzene
Concen: 156.923 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 490336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 20.8 | 62.2 |
| 148 | 63.8 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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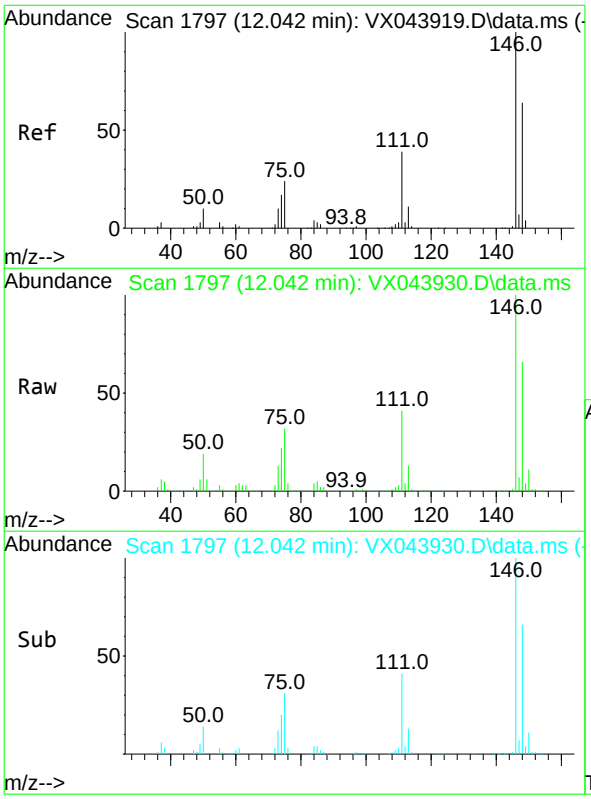
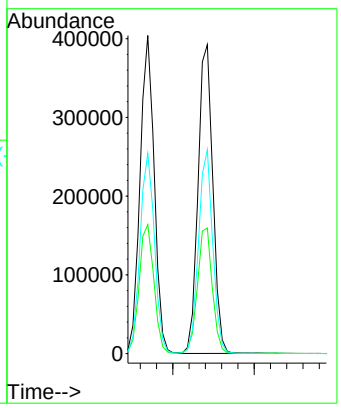
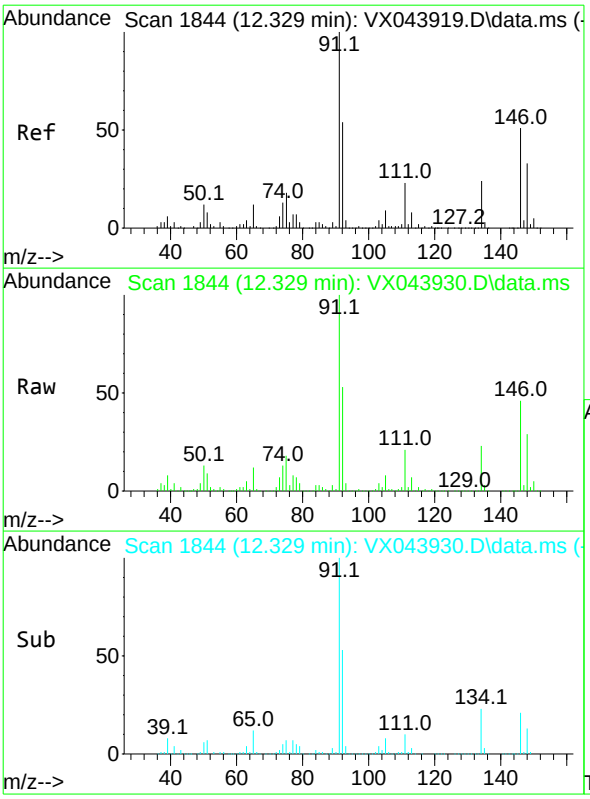



#88
1,4-Dichlorobenzene
Concen: 154.301 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.1 | 60.2 |
| 148 | 63.5 | 32.2 | 96.6 |






#89
n-Butylbenzene
Concen: 181.353 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 903805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.9 | 80.6 |
| 134 | 24.8 | 12.9 | 38.6 |

**Manual Integrations**
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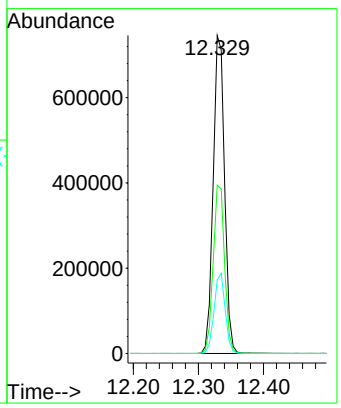
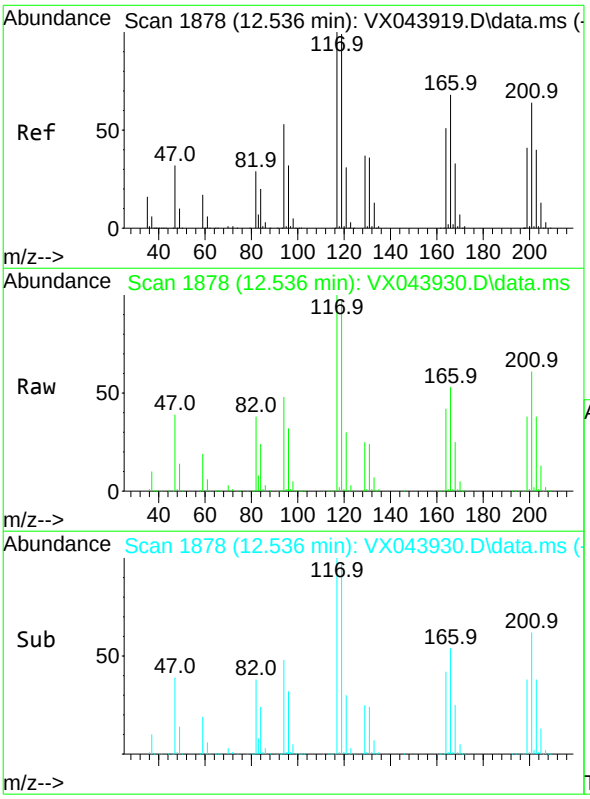
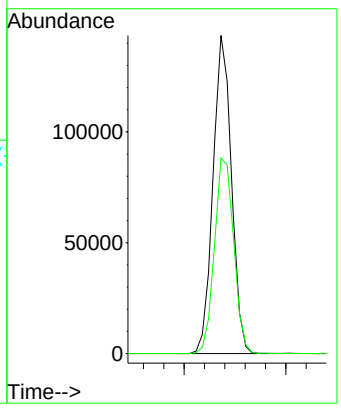


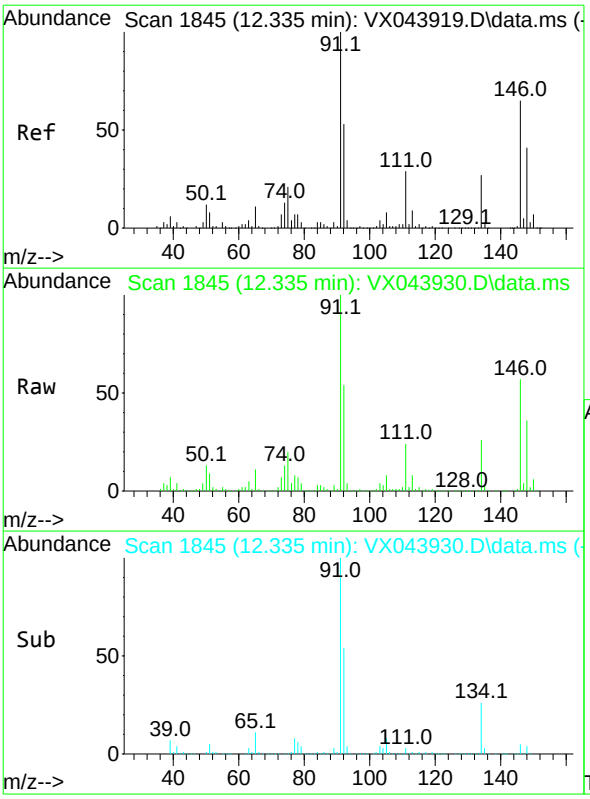




#90
Hexachloroethane
Concen: 151.823 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.6 | 34.1 | 102.3 |

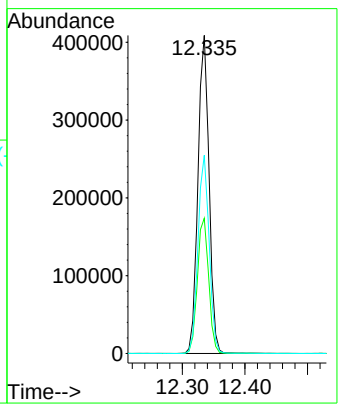





#91
1,2-Dichlorobenzene
Concen: 153.818 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 503214

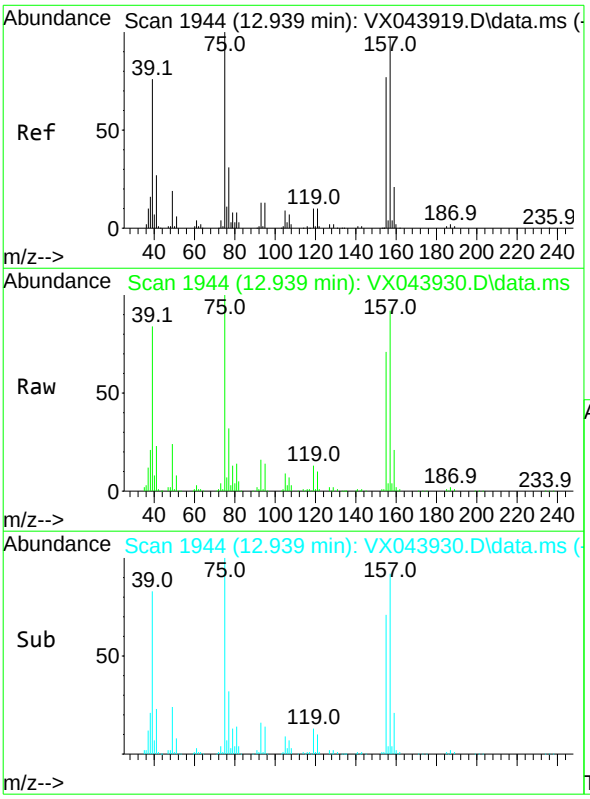
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.7 | 65.1 |
| 148 | 62.6 | 31.6 | 94.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

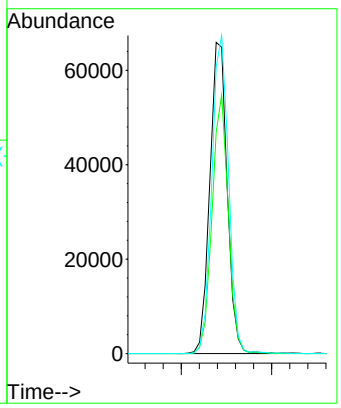
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

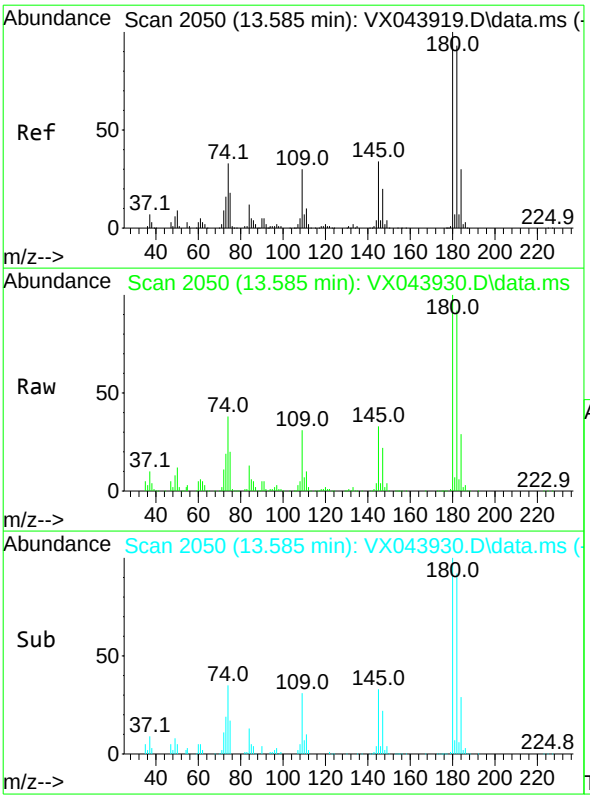



#92
1,2-Dibromo-3-Chloropropane
Concen: 146.019 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.7 | 40.8 | 122.5 |
| 157 | 98.7 | 54.3 | 162.9 |






#93
1,2,4-Trichlorobenzene
Concen: 170.137 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

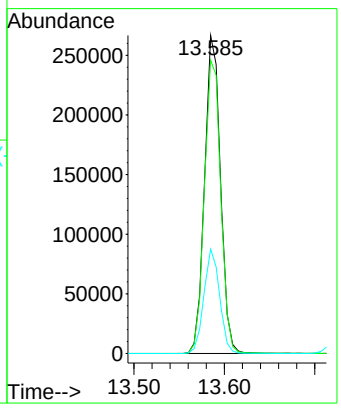
Tgt Ion:180 Resp: 325289

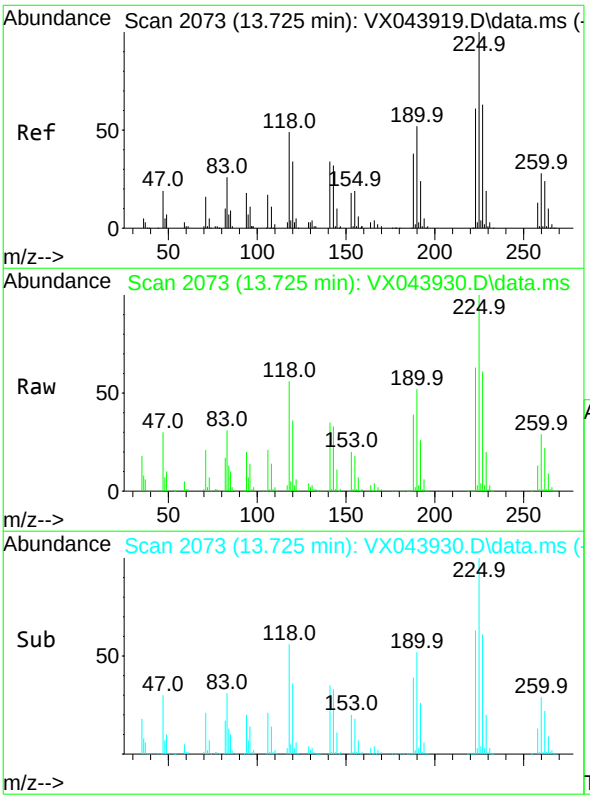
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 46.8 | 140.4 |
| 145 | 32.5 | 16.4 | 49.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

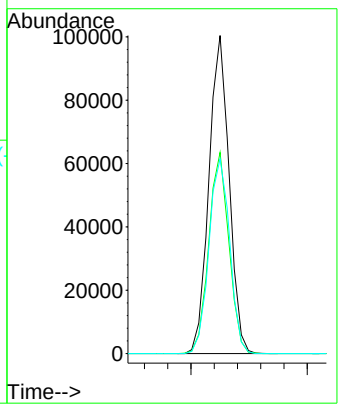


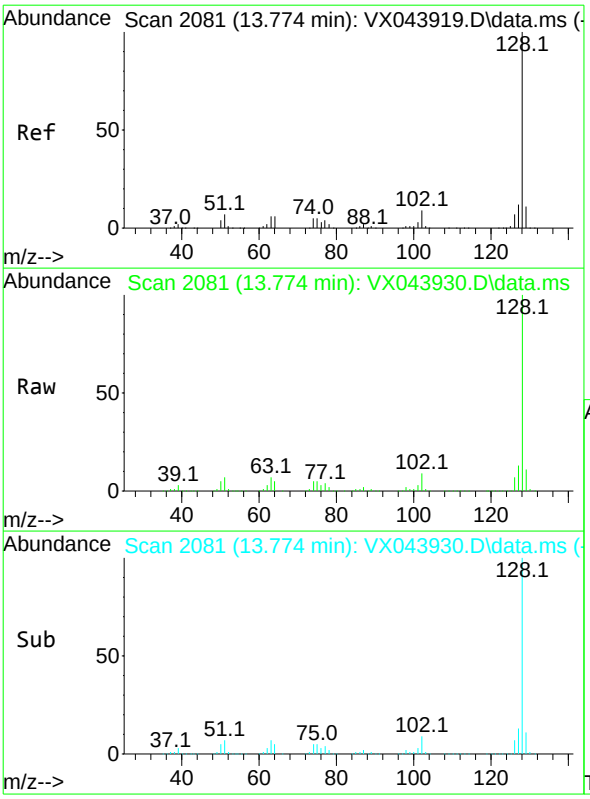




#94
Hexachlorobutadiene
Concen: 154.589 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 31.1 | 93.3 |
| 227 | 62.8 | 29.8 | 89.5 |

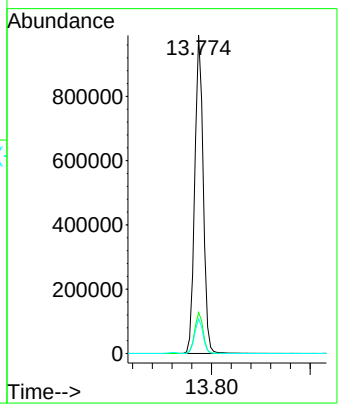





#95
Naphthalene
Concen: 164.565 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:128 Resp: 1173154

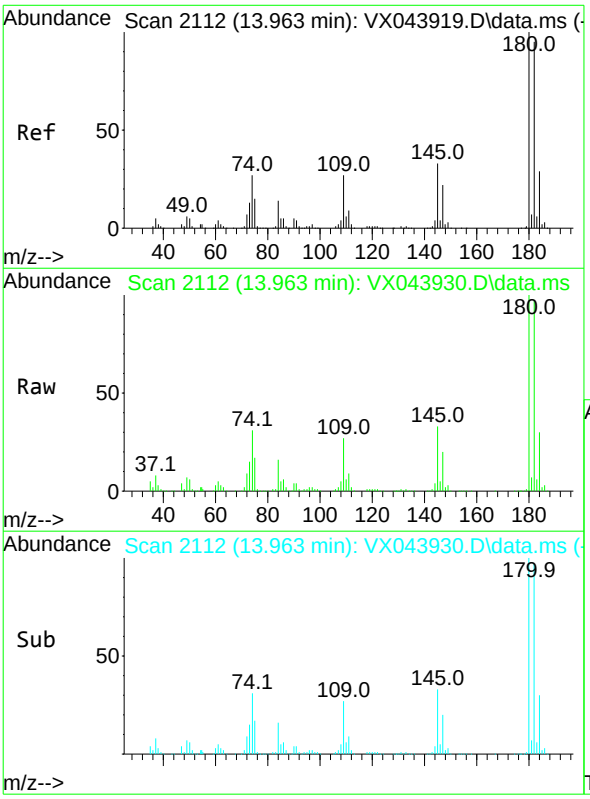
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.1 | 15.1 |
| 129 | 10.9 | 8.6 | 13.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

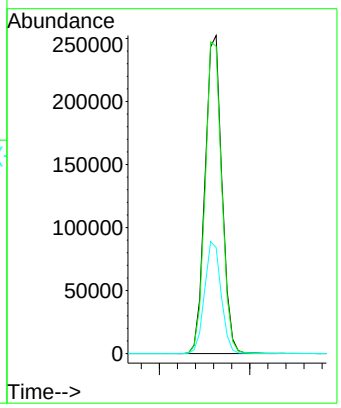
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 164.001 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 47.6 | 142.8 |
| 145 | 34.6 | 17.4 | 52.2 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations APPROVED**
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 131073 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 229009 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 198776 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96489 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 112818 | 50.183 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.360% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 85815 | 52.442 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.880% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 289000 | 51.234 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.460% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103640 | 53.987 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.980% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 83916 | 50.537 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 85795 | 49.100 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 93147 | 50.118 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 53783 | 47.040 | ug/l | 100 |
| 6) Chloroethane | 1.660 | 64 | 46342 | 40.921 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 177461 | 53.407 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 57339 | 47.345 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 80458 | 50.762 | ug/l | 98 |
| 10) Methyl Iodide | 2.441 | 142 | 96234 | 48.614 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 85927 | 238.127 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 72787 | 48.192 | ug/l | 99 |
| 13) Acrolein | 2.233 | 56 | 89571 | 235.500 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 127367 | 51.610 | ug/l | 99 |
| 15) Acrylonitrile | 3.063 | 53 | 227832 | 259.090 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 257802 | 249.676 | ug/l | 99 |
| 17) Carbon Disulfide | 2.496 | 76 | 153826 | 49.375 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 121774 | 50.643 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 275221 | 50.186 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 82274 | 46.954 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 76687 | 49.179 | ug/l | 97 |
| 22) Diisopropyl ether | 3.758 | 45 | 264554 | 50.132 | ug/l | 96 |
| 23) Vinyl Acetate | 3.715 | 43 | 1189244 | 263.441 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 153635 | 50.466 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 348803 | 261.804 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 143910 | 52.343 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 95076 | 49.326 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 62874 | 46.920 | ug/l | 96 |
| 29) Tetrahydrofuran | 5.001 | 42 | 207942 | 254.585 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 163357 | 49.891 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 128482 | 51.278 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 144908 | 51.320 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 108518 | 53.218 | ug/l | 97 |
| 37) Ethyl Acetate | 4.709 | 43 | 133283 | 52.656 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 118655 | 51.786 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 141696 | 53.489 | ug/l | 93 |
| 40) Benzene | 6.025 | 78 | 319222 | 50.257 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations APPROVED**
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 69766 | 53.851 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 128623 | 50.421 ug/l | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 207332 | 51.469 ug/l | 99 |
| 44) Trichloroethene | 7.117 | 130 | 80113 | 44.554 ug/l | 90 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 74380 | 47.811 ug/l | 98 |
| 46) Dibromomethane | 7.574 | 93 | 62345 | 50.662 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116199 | 52.648 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 101062 | 52.284 ug/l | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 31178 | 905.506 ug/l # | 86 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 652721 | 265.520 ug/l | 100 |
| 52) Toluene | 8.714 | 92 | 195814 | 51.507 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 119461 | 53.077 ug/l | 96 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 128808 | 52.205 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 78575 | 50.069 ug/l | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 129841 | 53.118 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134680 | 50.945 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 315358 | 235.230 ug/l | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 504444 | 273.011 ug/l | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 82754 | 52.557 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 83098 | 52.367 ug/l | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 66054 | 50.396 ug/l | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 209963 | 48.094 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74354 | 52.515 ug/l | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 377215 | 50.991 ug/l | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 282971 | 102.572 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 138437 | 51.396 ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 230449 | 51.728 ug/l | 99 |
| 71) Bromoform | 10.799 | 173 | 50837 | 47.449 ug/l # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 365084 | 49.222 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 176627 | 51.406 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 125346 | 49.356 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 105742m | 49.973 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 85070 | 48.081 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 419586 | 50.652 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 249079 | 47.551 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 305922 | 50.134 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 38583 | 49.756 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 287717 | 48.652 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 303408 | 50.165 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 306251 | 50.410 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 372793 | 50.307 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 310060 | 51.511 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 153164 | 47.529 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 155422 | 47.306 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 276075 | 52.020 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 51229 | 50.050 ug/l | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 154980 | 47.656 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 25968 | 51.030 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 94896 | 49.495 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37937 | 50.065 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 357725 | 51.831 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 99447 | 51.246 ug/l | 98 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

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

ICAL Form

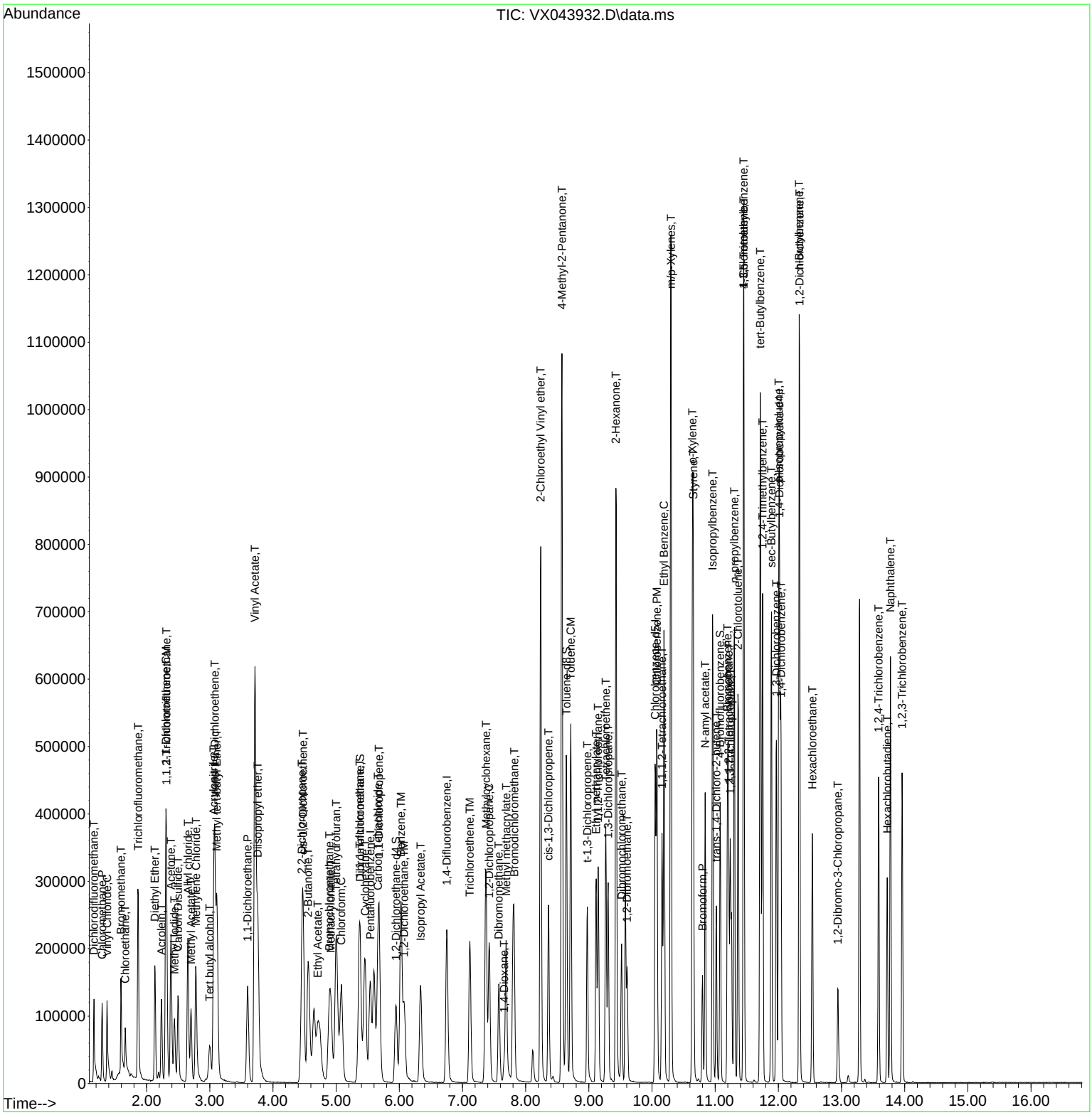
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

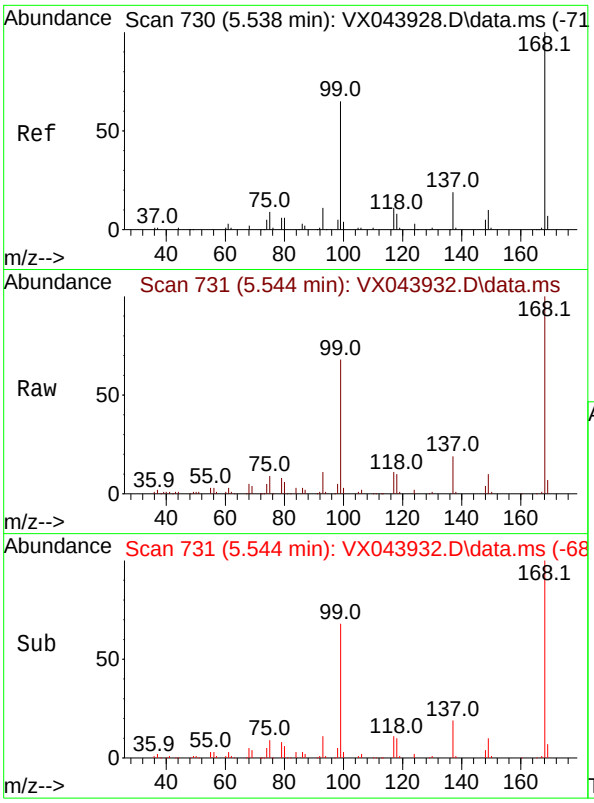
Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

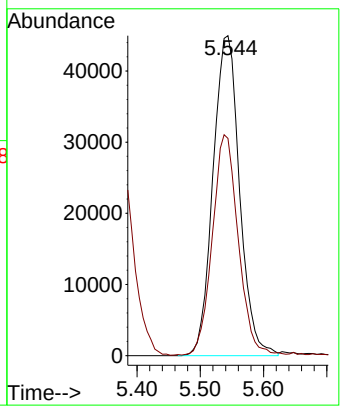





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:168 Resp: 13107

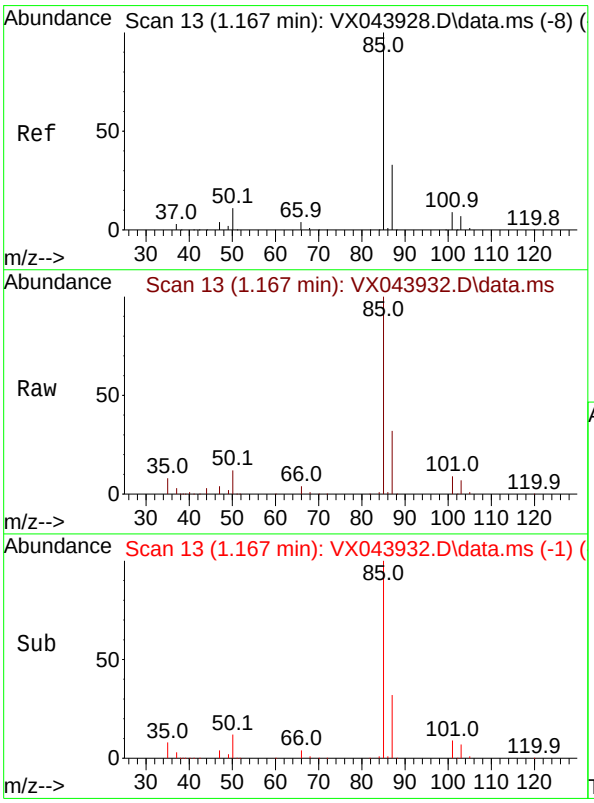
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

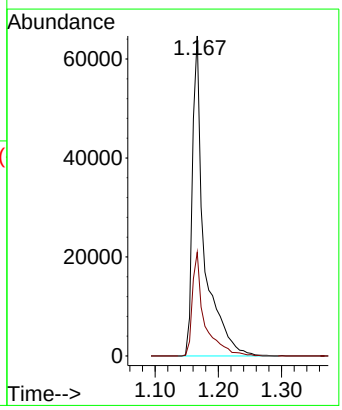
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

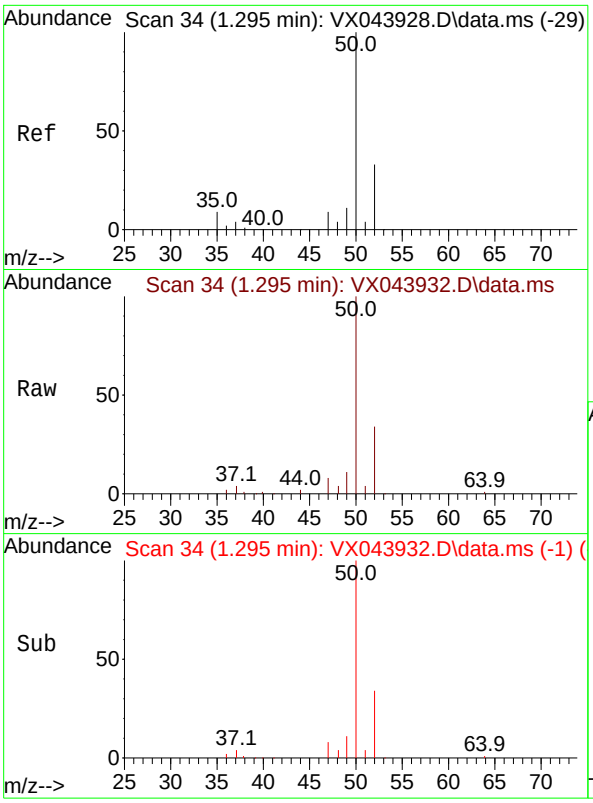



#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.6 | 49.8 |

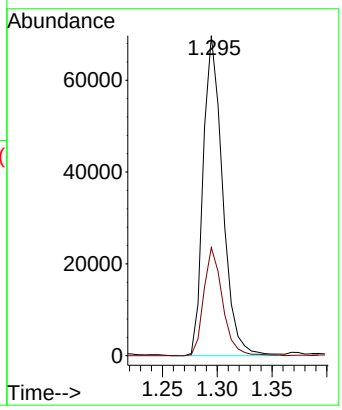





#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 50 Resp: 8579

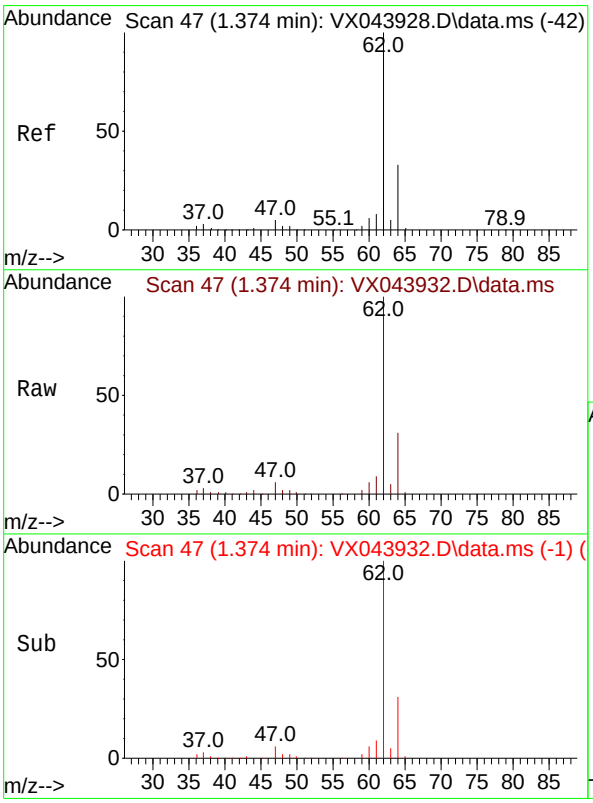
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

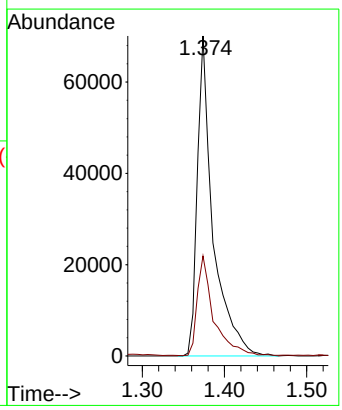
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

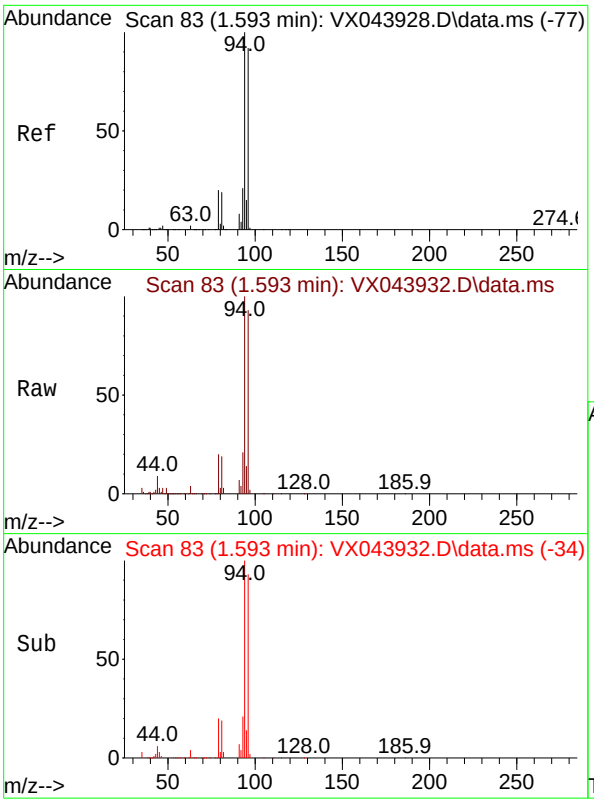



#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.2 | 39.4 |

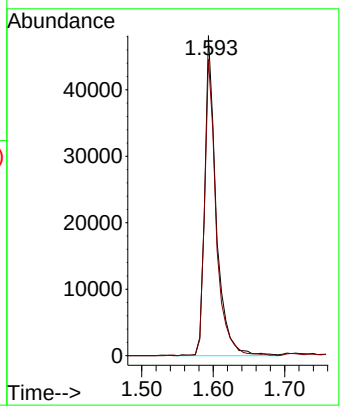





#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 94 Resp: 5378

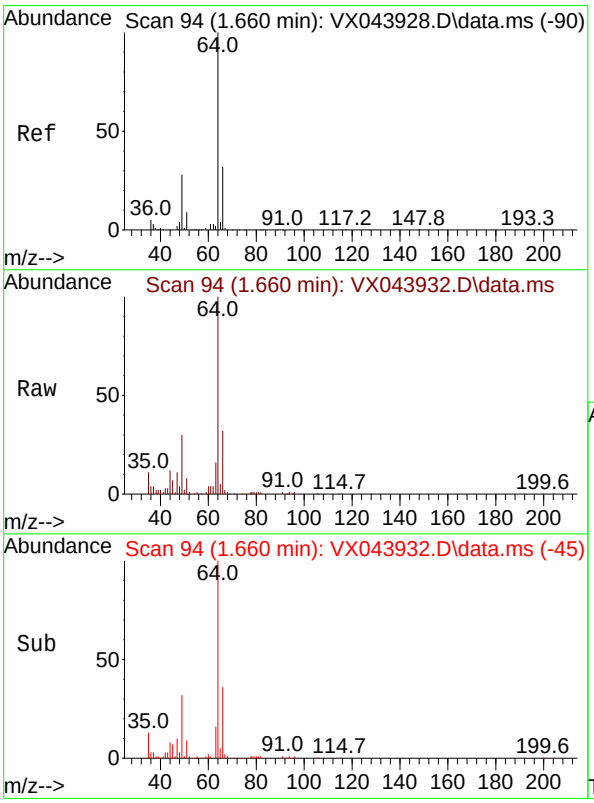
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

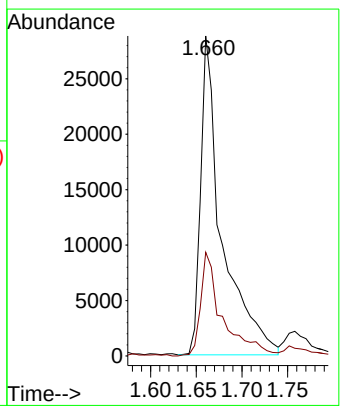
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

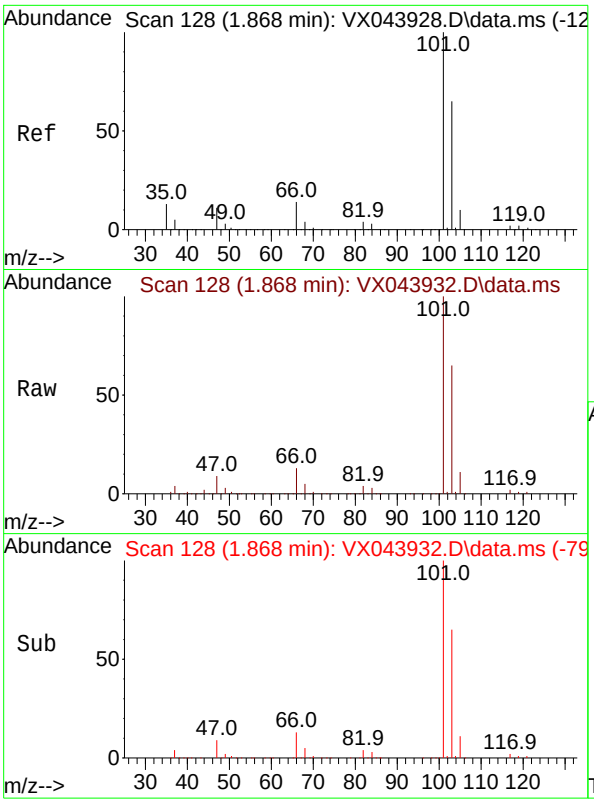



#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 25.9 | 38.9 |






#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

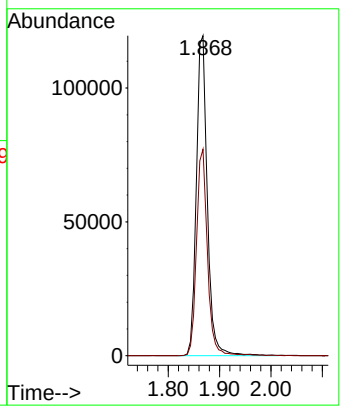
Tgt Ion:101 Resp: 17746

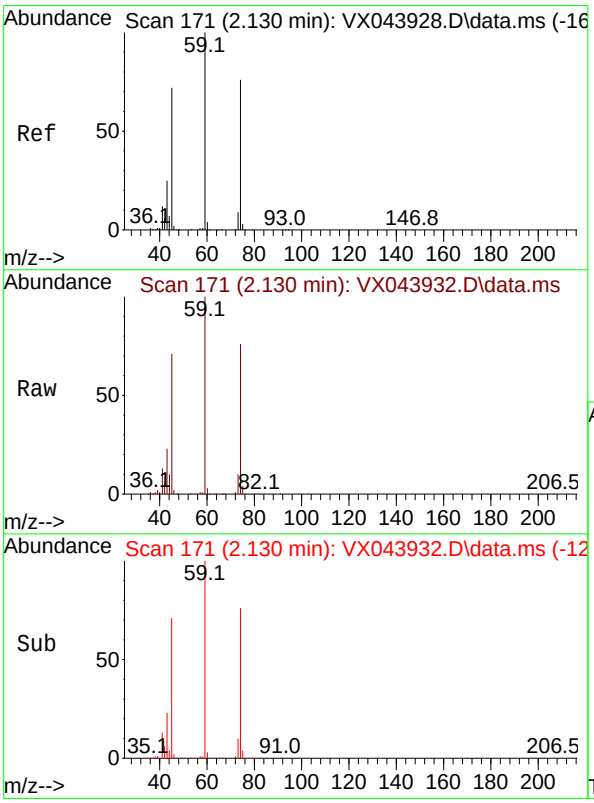
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 52.2 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

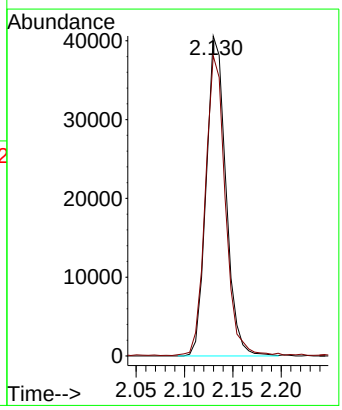


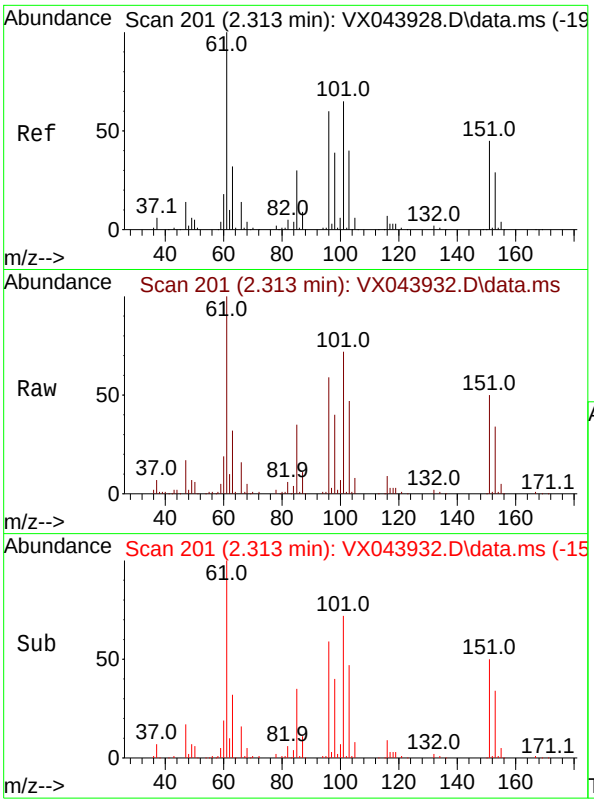




#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.6 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:101 Resp: 8045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.7 | 37.9 | 56.9 |
| 151 | 69.3 | 57.5 | 86.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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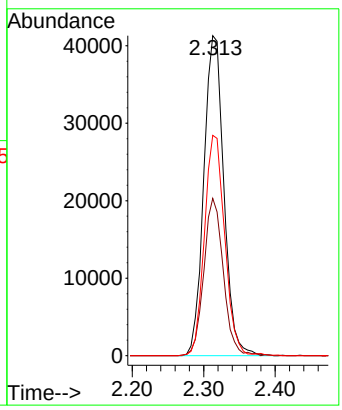
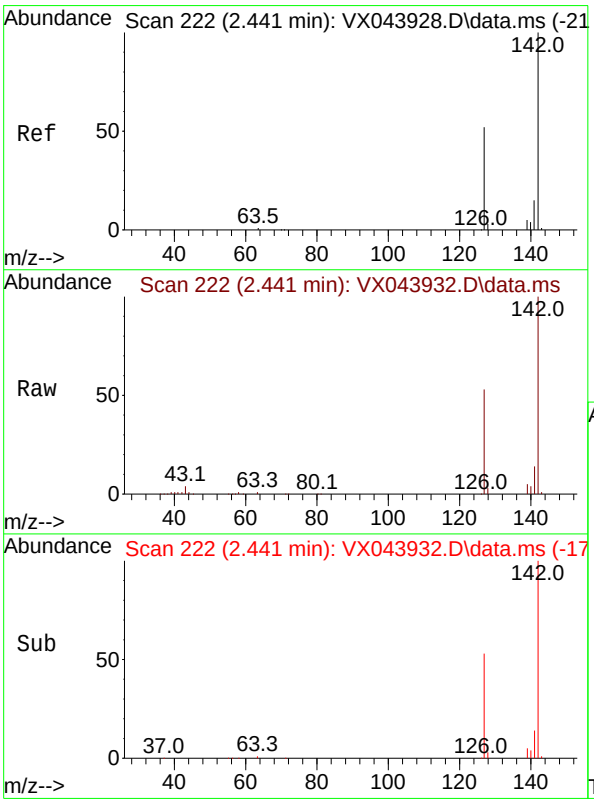
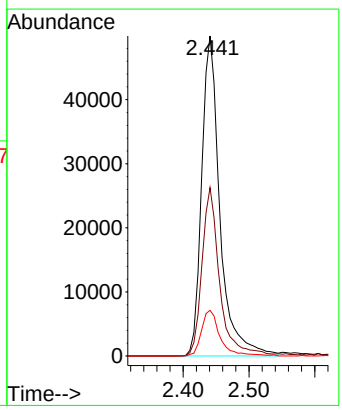


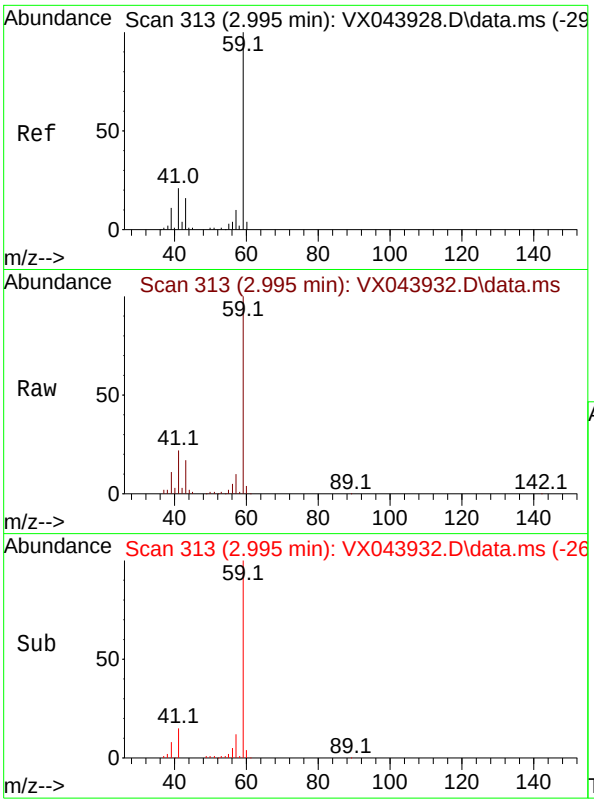




#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.9 | 40.7 | 61.1 |
| 141 | 14.6 | 12.0 | 18.0 |

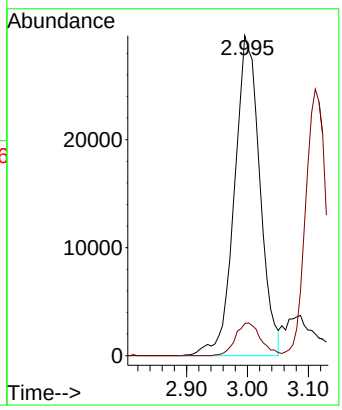





#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 59 Resp: 8592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

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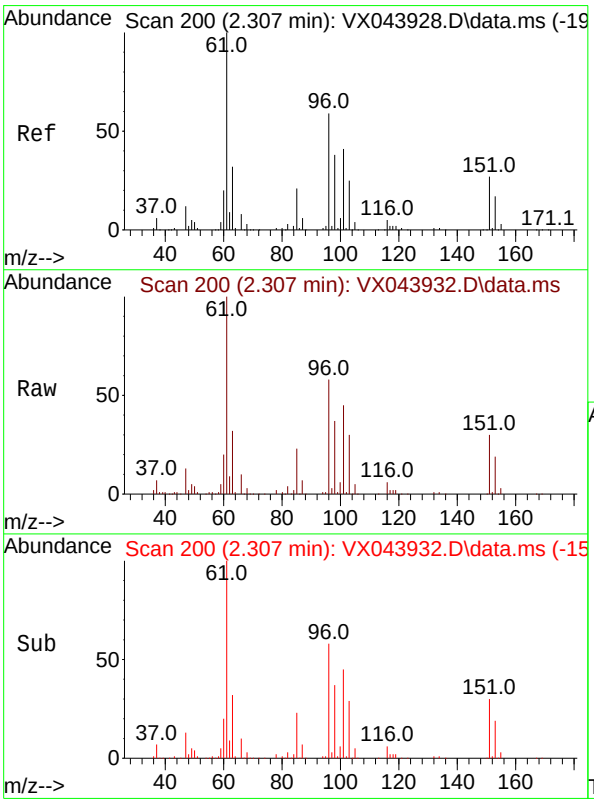
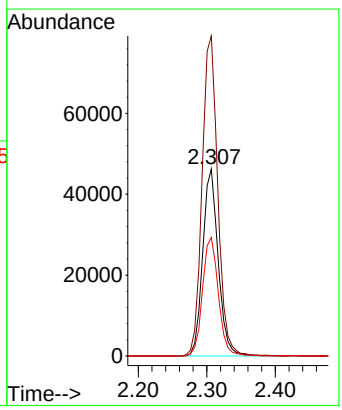
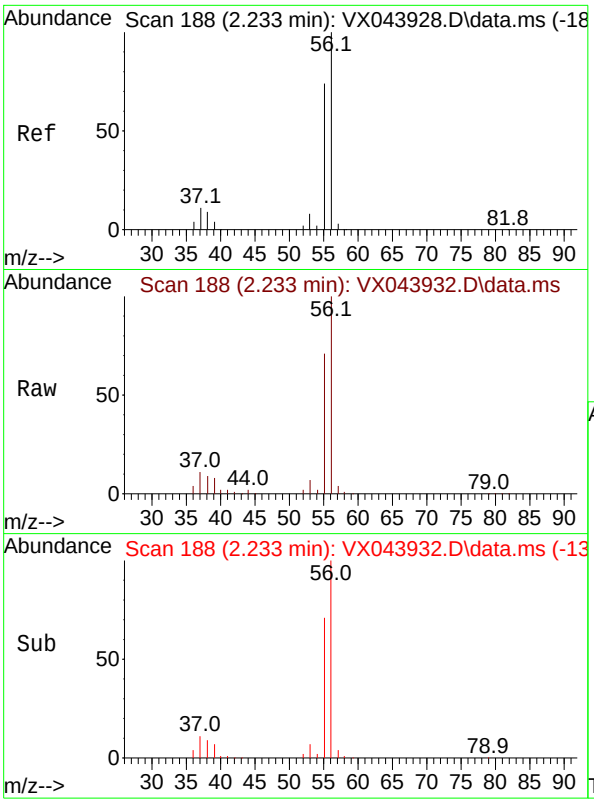



#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 135.5 | 203.3 |
| 98 | 63.4 | 50.8 | 76.2 |

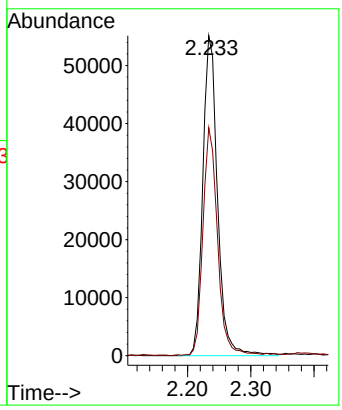





#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 8957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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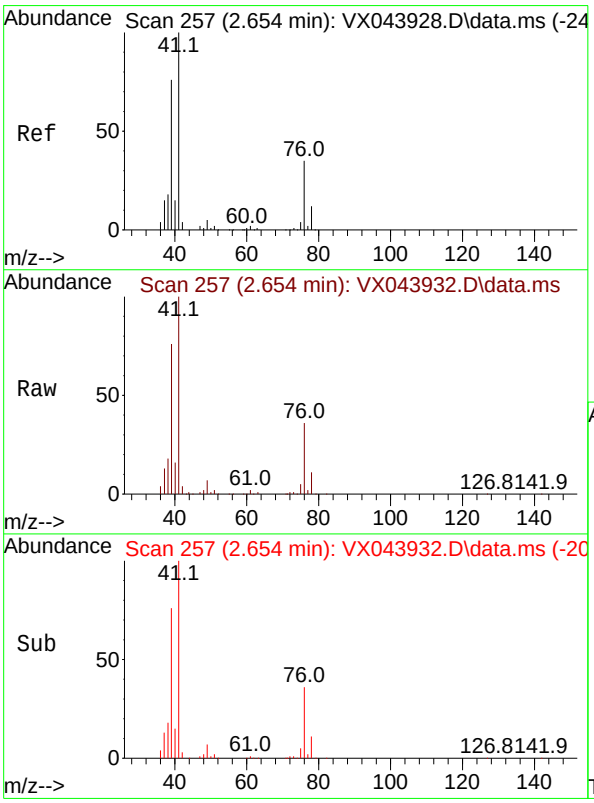
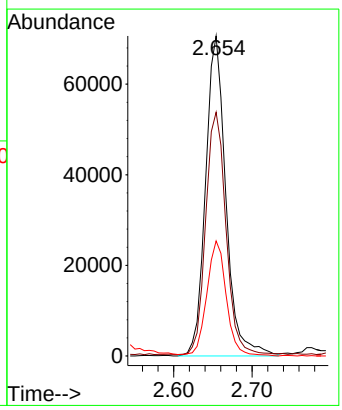
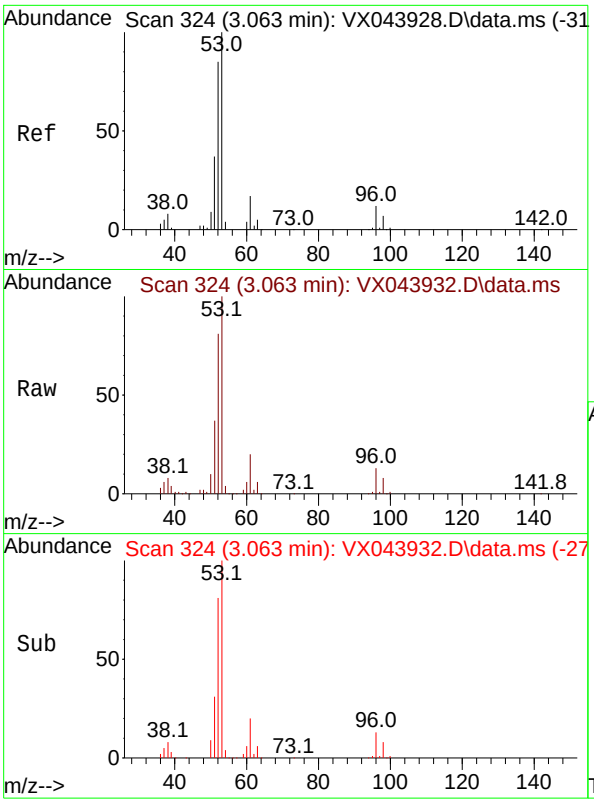



#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.3 | 59.5 | 89.3 |
| 76 | 34.5 | 27.4 | 41.2 |

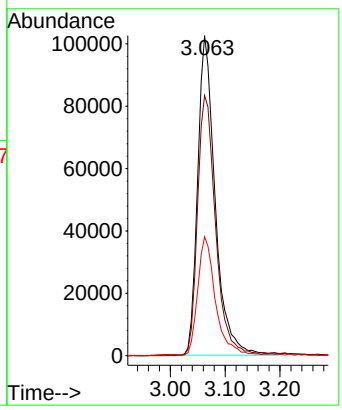





#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 53 Resp: 22783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 66.5 | 99.7 |
| 51 | 37.2 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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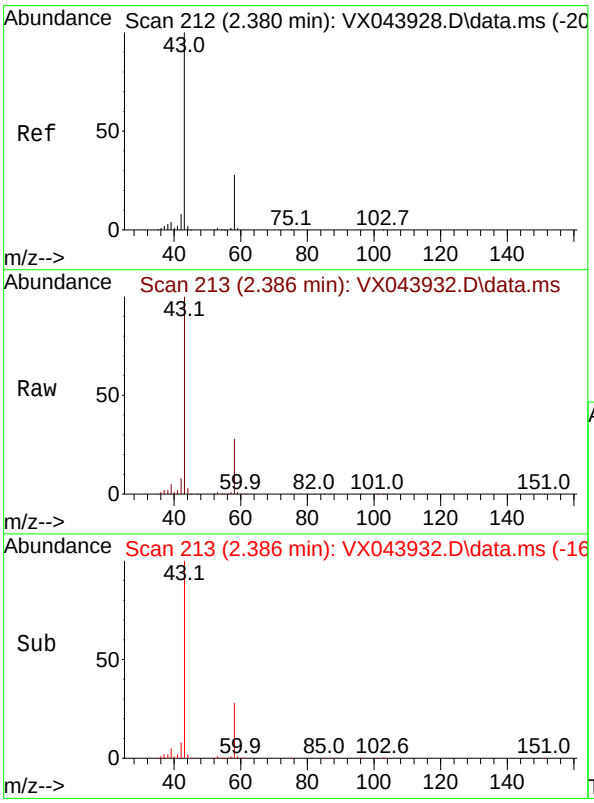
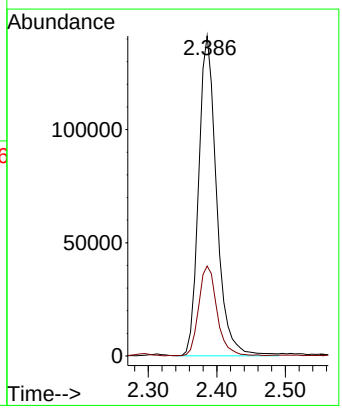
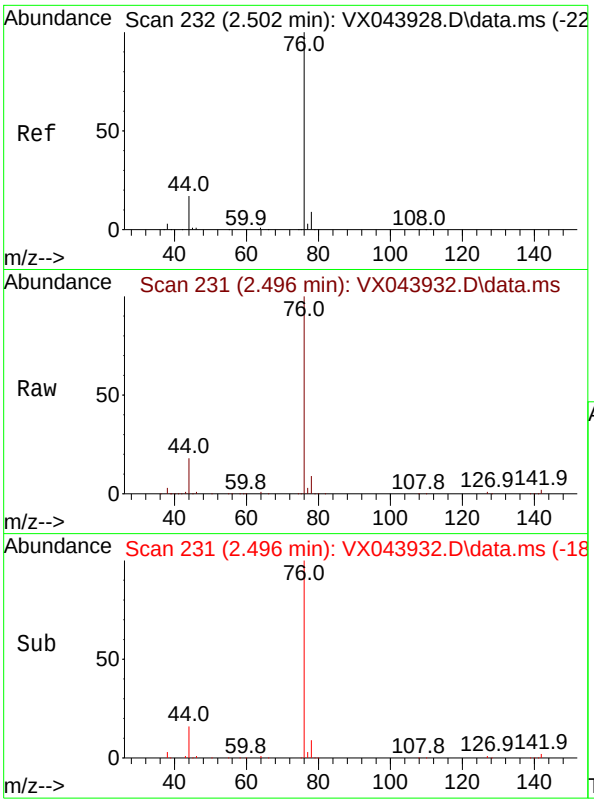



#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.0 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 76 Resp: 15382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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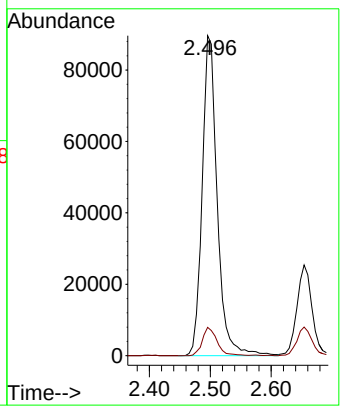
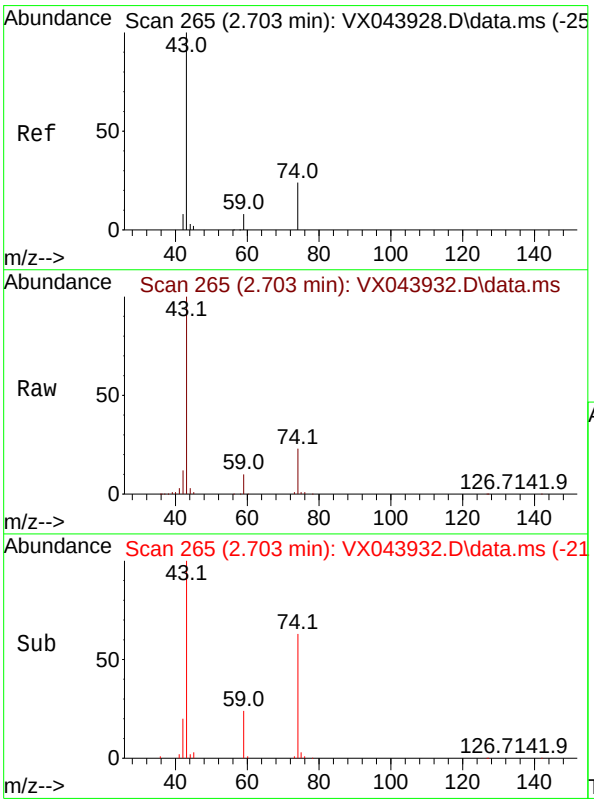
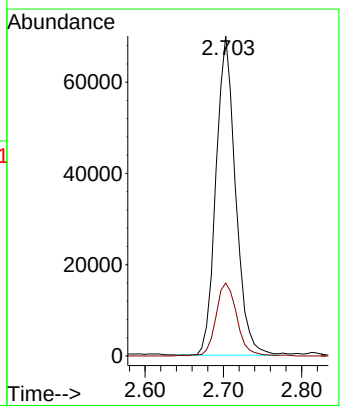


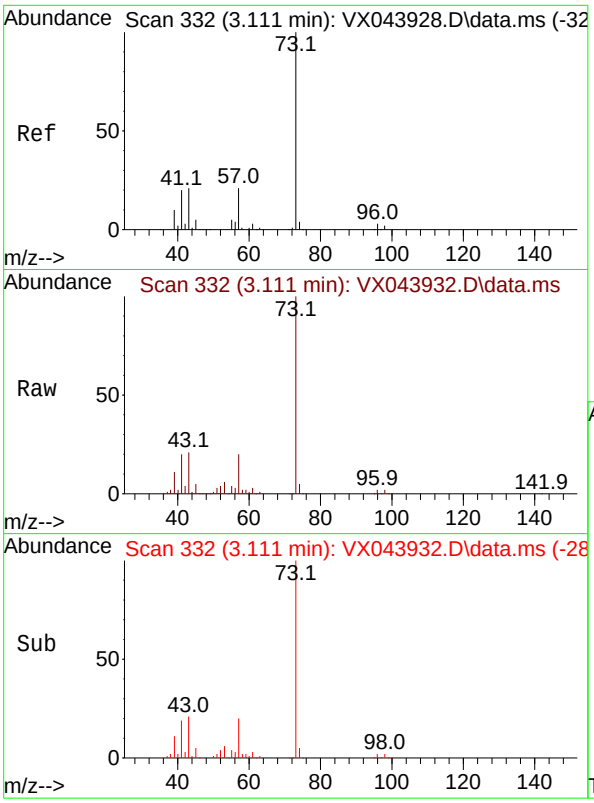




#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.5 | 18.9 | 28.3 |






#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 73 Resp: 27522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 17.0 | 25.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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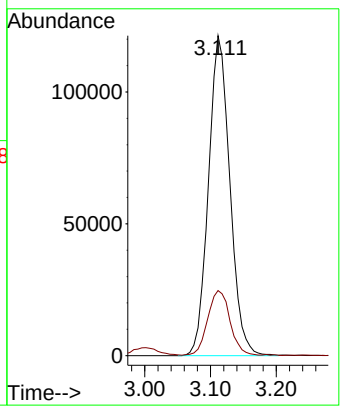
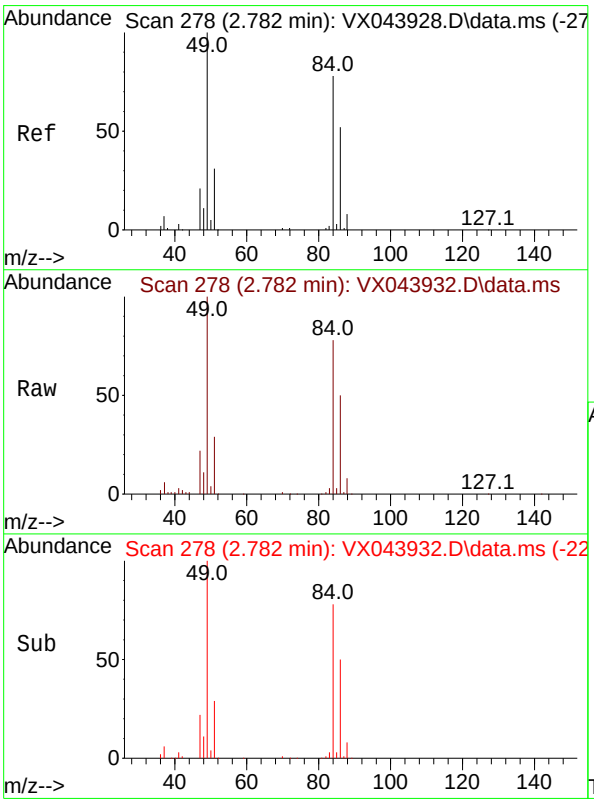
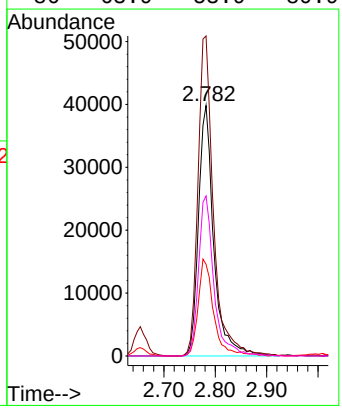


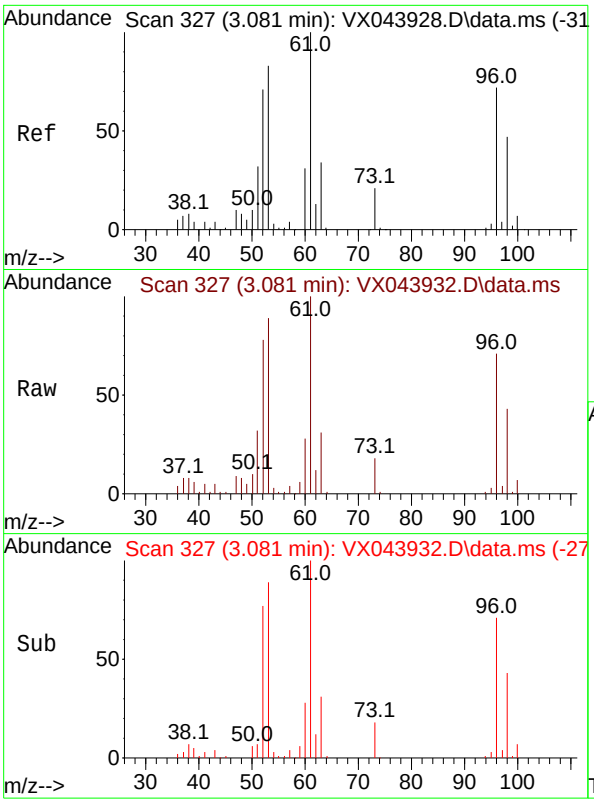




#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 102.7 | 154.1 |
| 51 | 36.6 | 31.7 | 47.5 |
| 86 | 63.9 | 53.9 | 80.9 |

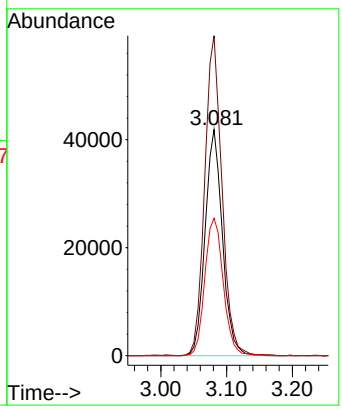





#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 7668

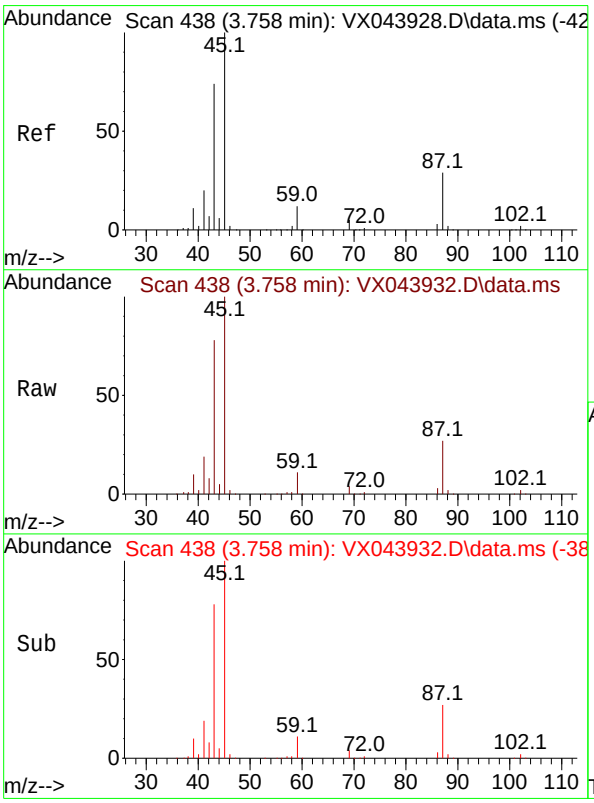
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.5 | 111.8 | 167.6 |
| 98 | 60.8 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

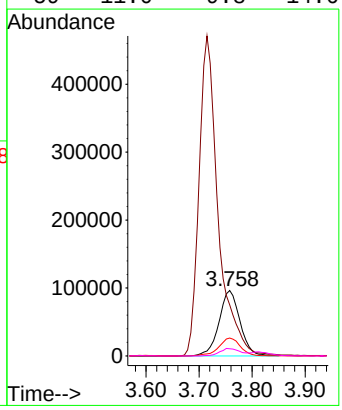
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

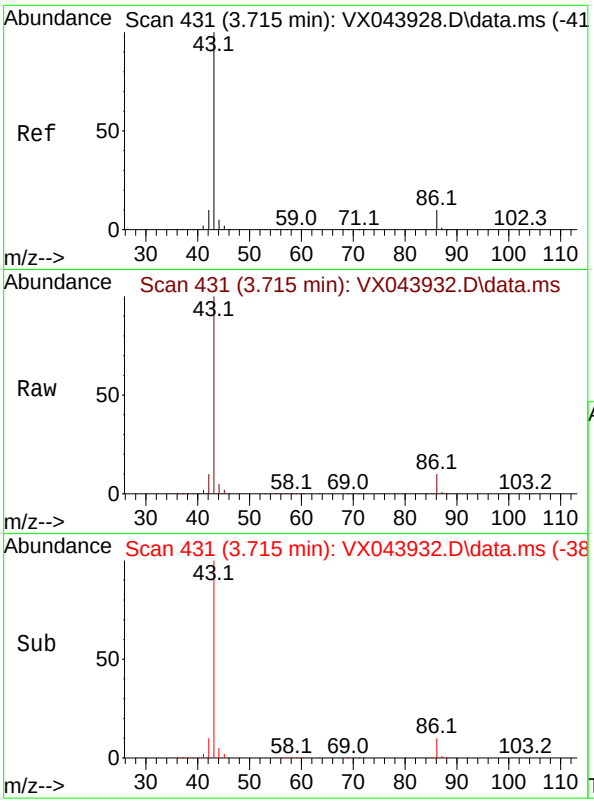



#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.0 | 59.6 | 89.4 |
| 87 | 27.4 | 22.9 | 34.3 |
| 59 | 11.0 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 118924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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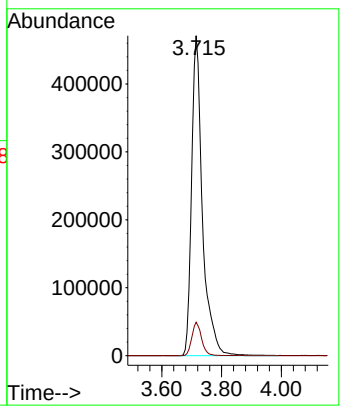
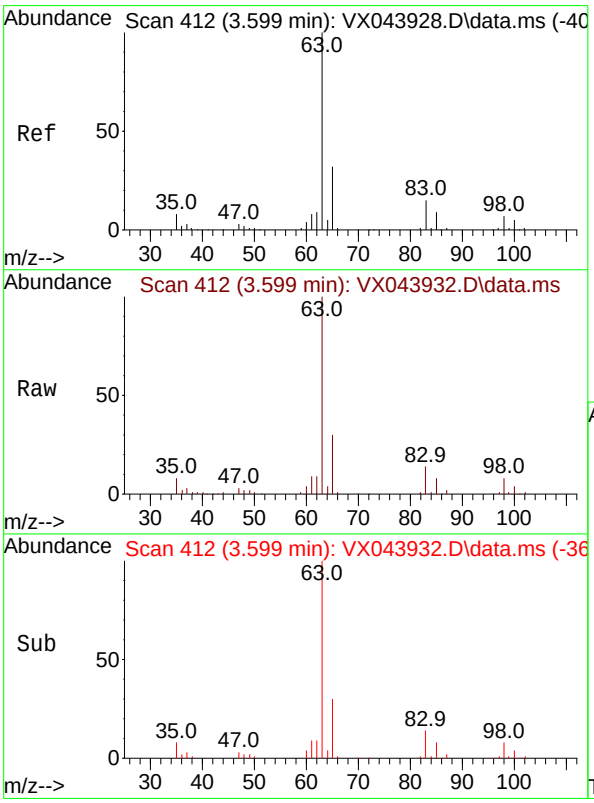
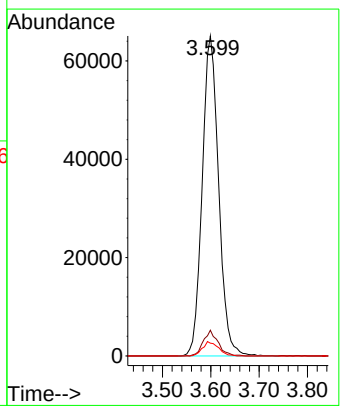


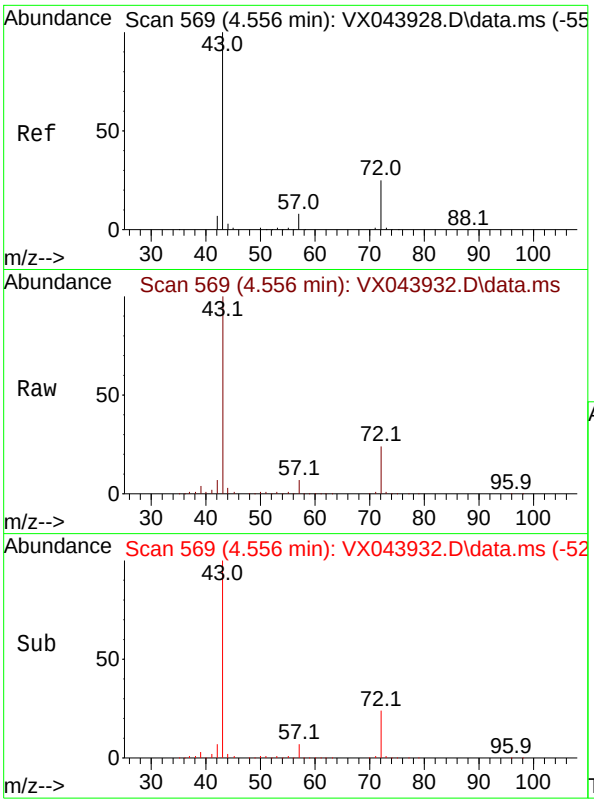




#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.0 | 3.5 | 10.6 |
| 100 | 4.0 | 2.4 | 7.1 |






#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 34880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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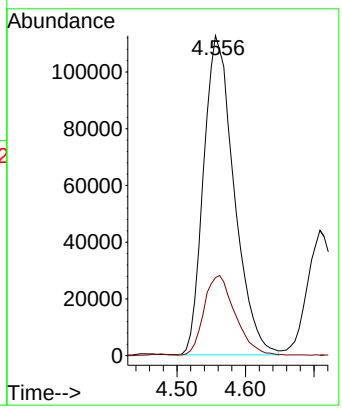
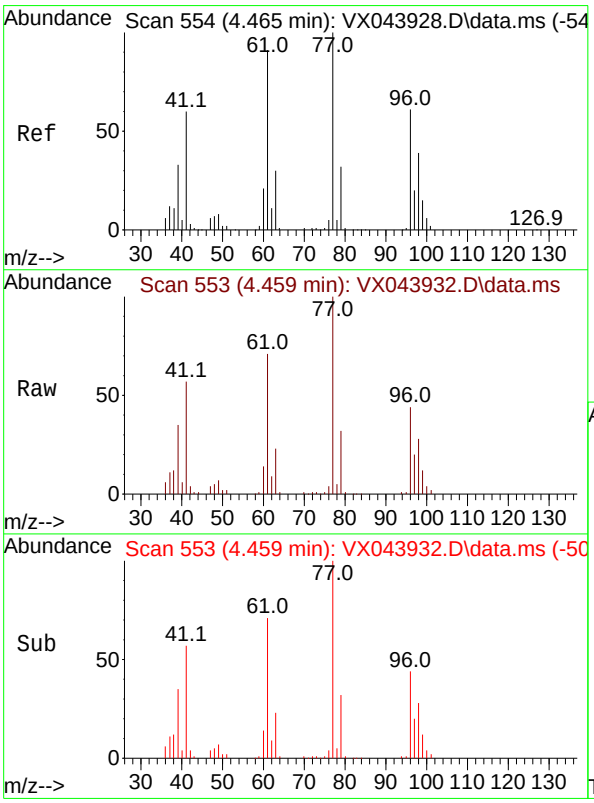
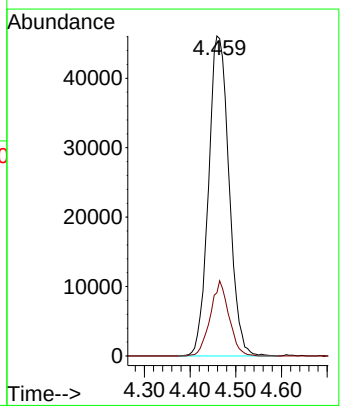


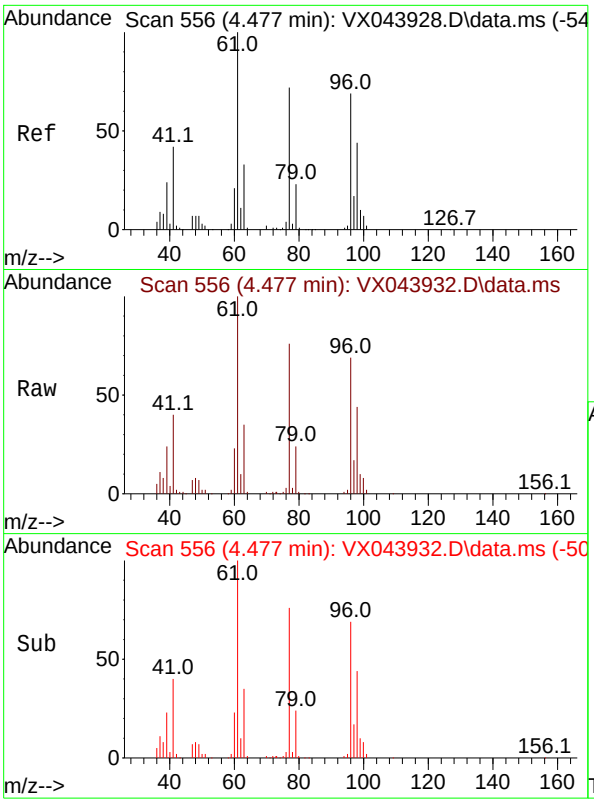




#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 10.8 | 32.3 |






#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

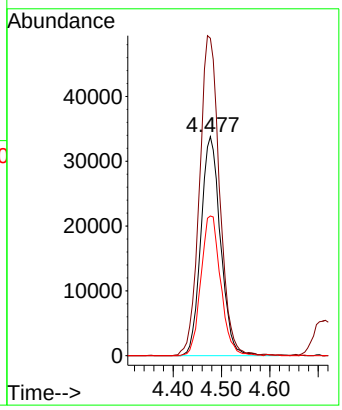
Tgt Ion: 96 Resp: 9507

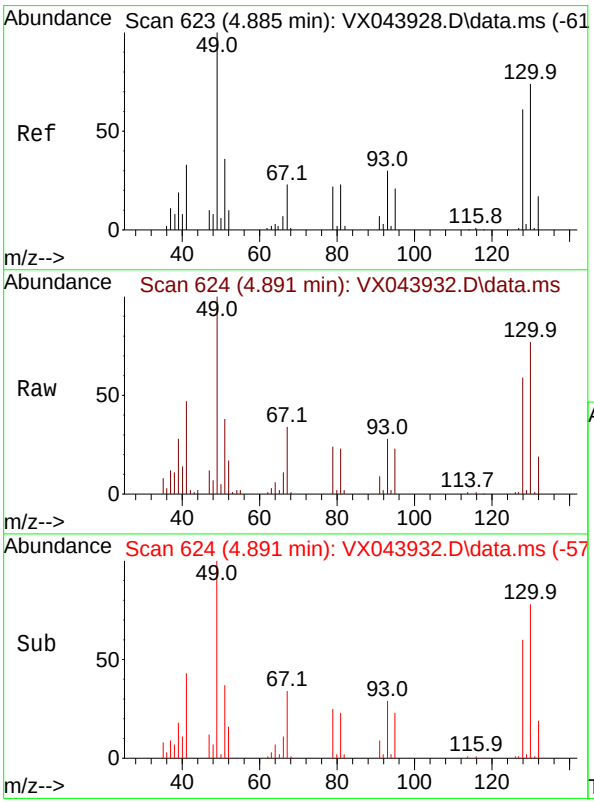
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.6 | 0.0 | 297.4 |
| 98 | 64.3 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

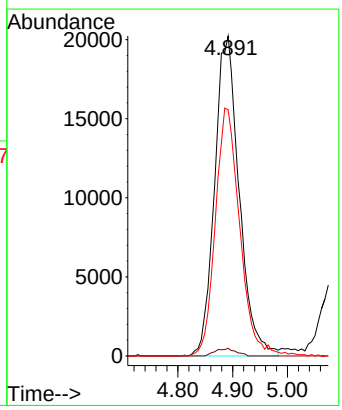


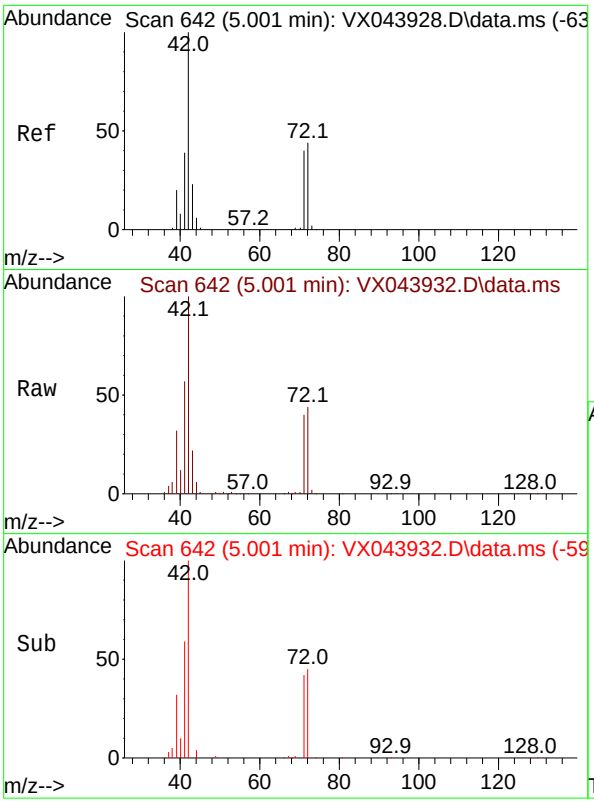




#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 77.3 | 59.0 | 88.6 |

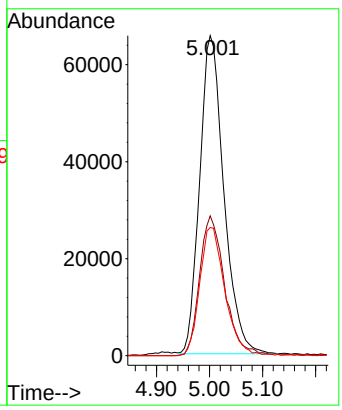





#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 42 Resp: 20794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 36.4 | 54.6 |
| 71 | 42.0 | 33.4 | 50.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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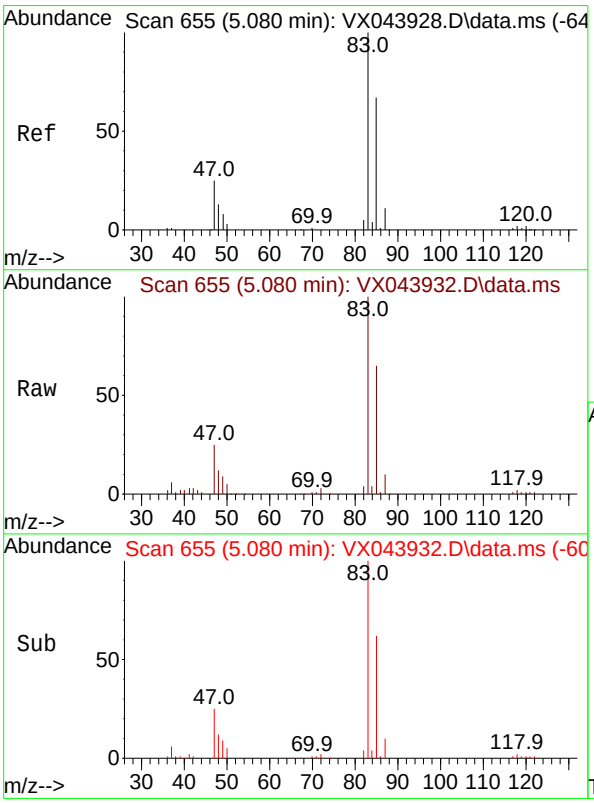
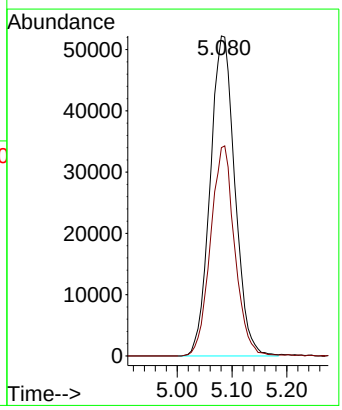
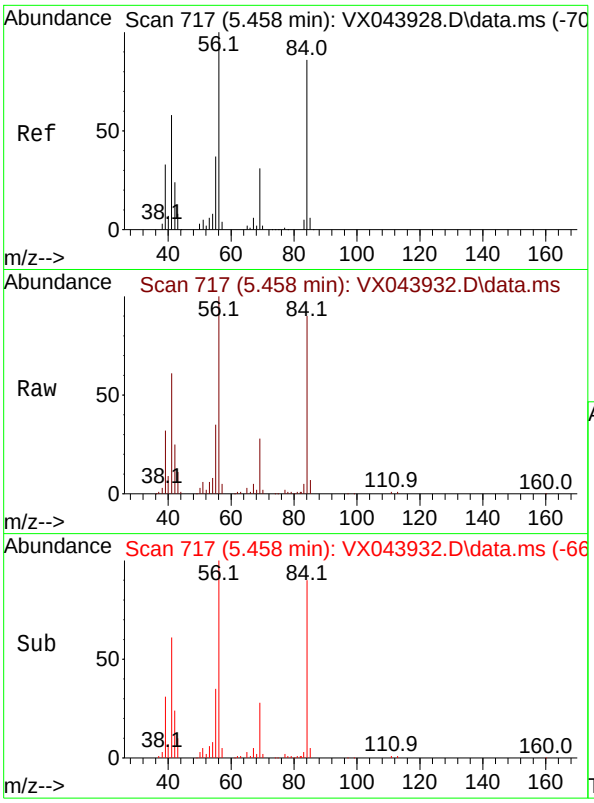



#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 53.5 | 80.3 |

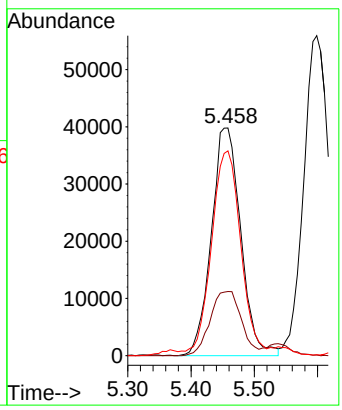





#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 56 Resp: 12848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.2 | 24.7 | 37.1 |
| 84 | 88.1 | 68.7 | 103.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

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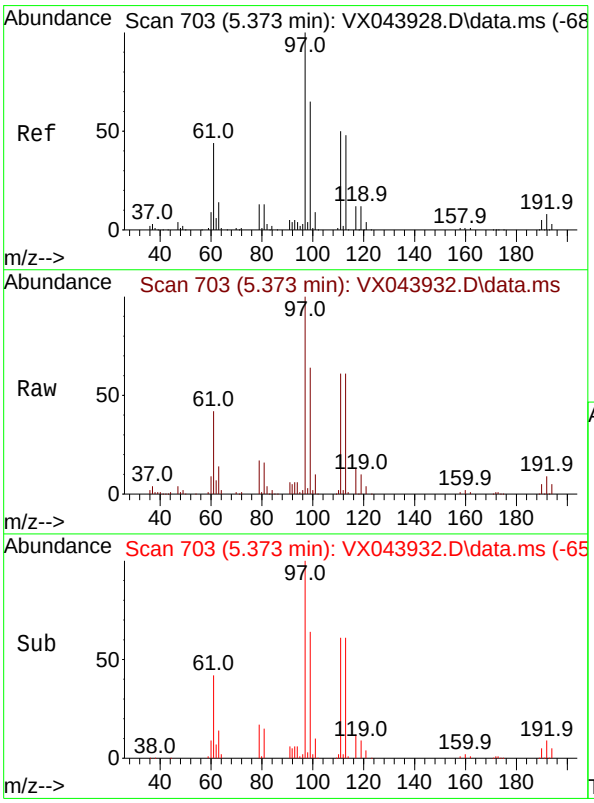
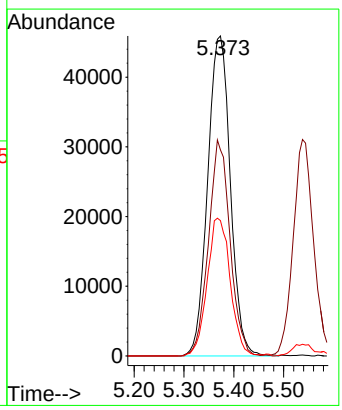
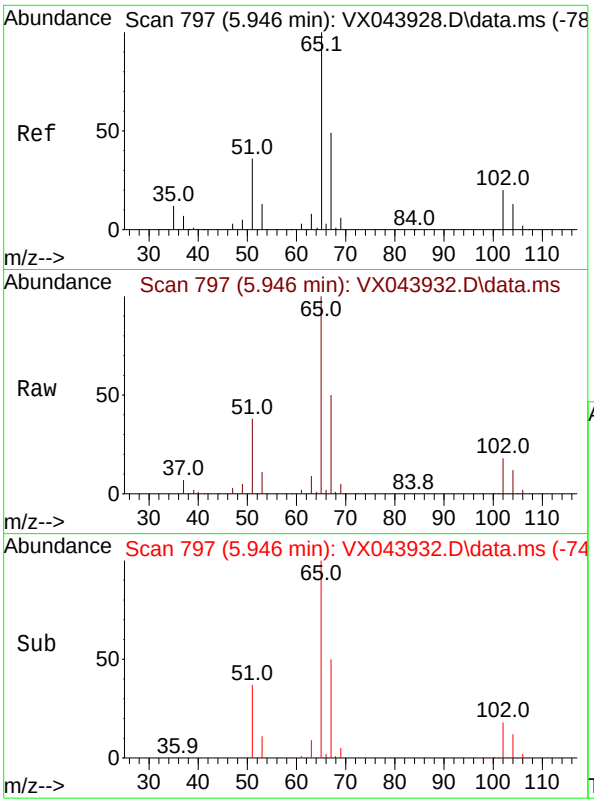



#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 43.8 | 35.4 | 53.2 |






#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 65 Resp: 11281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 100.8 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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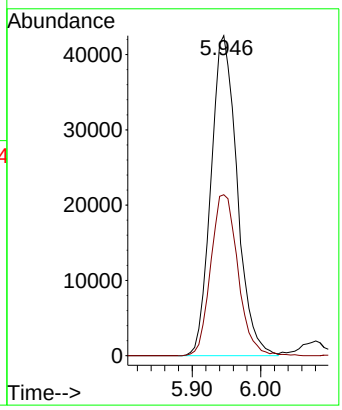
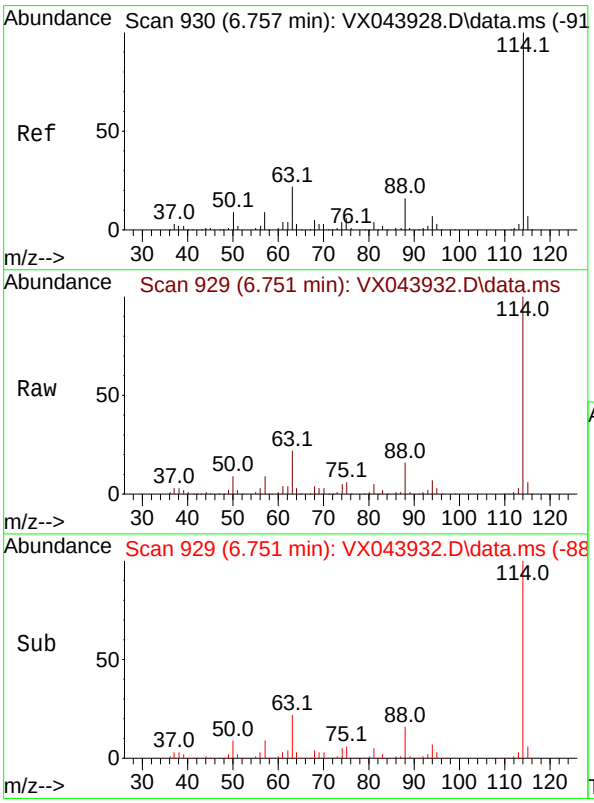
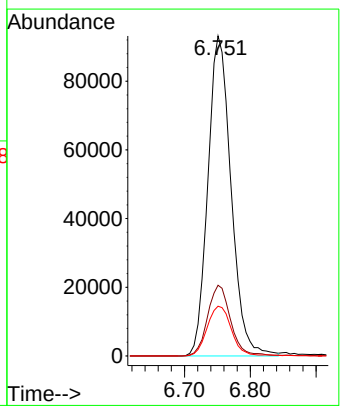


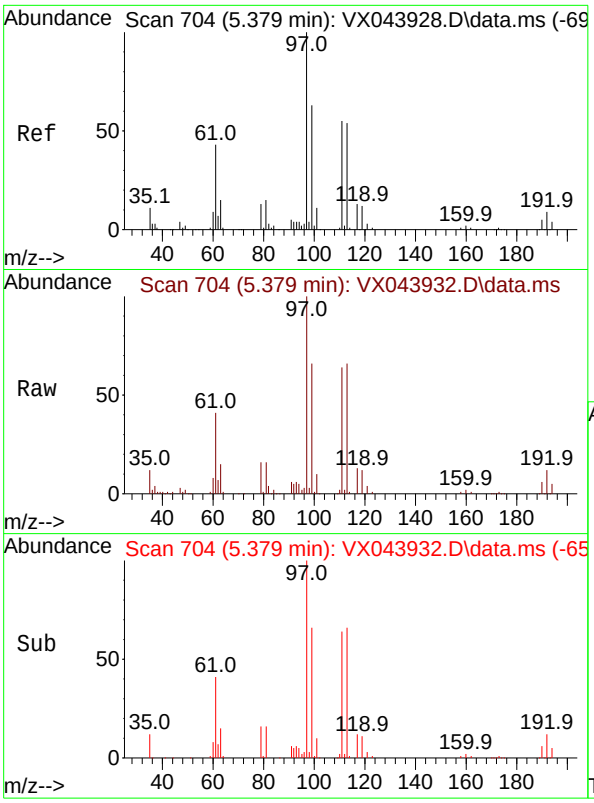




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.0 |
| 88 | 15.6 | 0.0 | 32.4 |

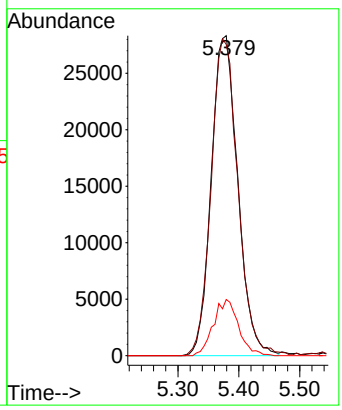





#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:113 Resp: 8581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.9 | 81.0 | 121.4 |
| 192 | 16.6 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
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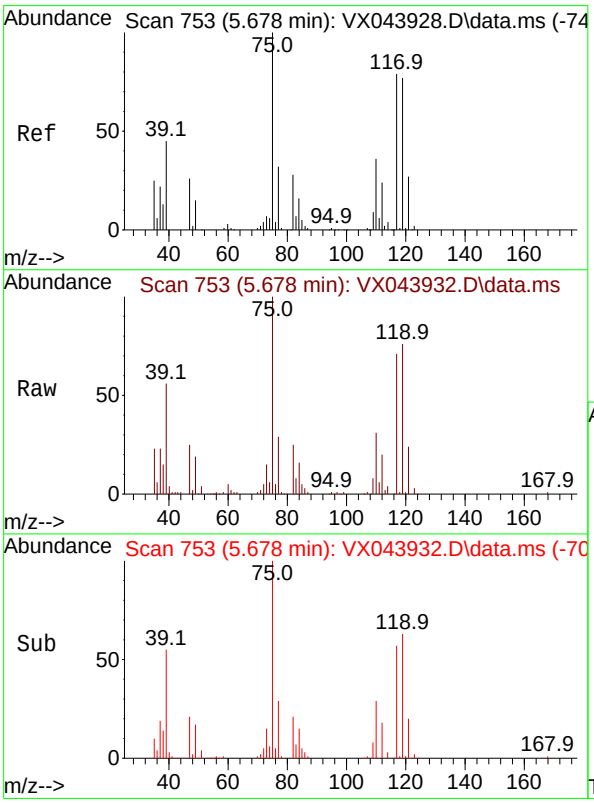
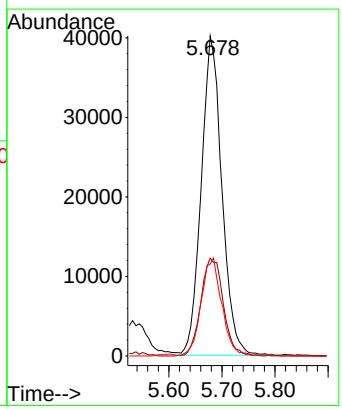
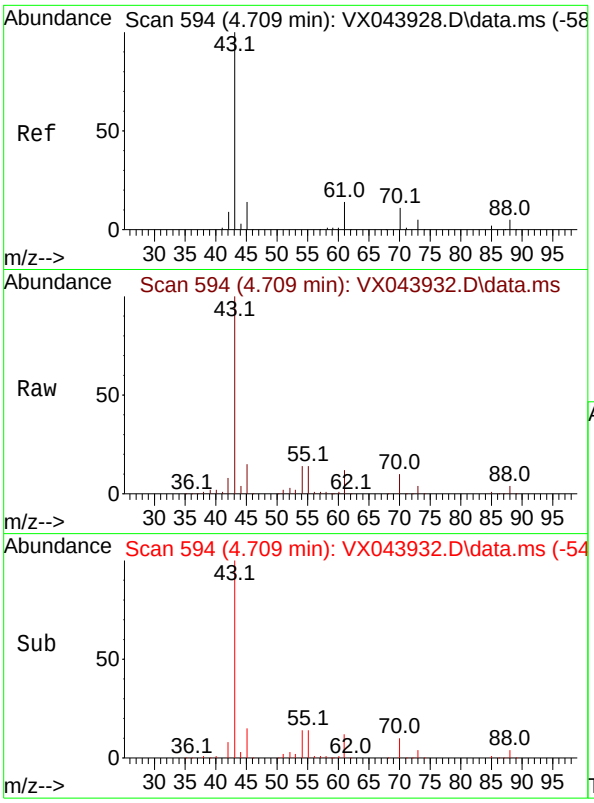



#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.4 | 17.4 | 52.2 |
| 77 | 30.3 | 25.8 | 38.8 |

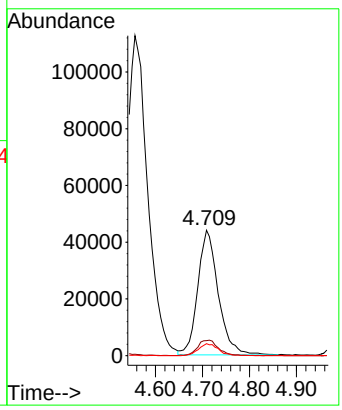





#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 13328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.2 | 10.7 | 16.1 |
| 70 | 9.3 | 8.0 | 12.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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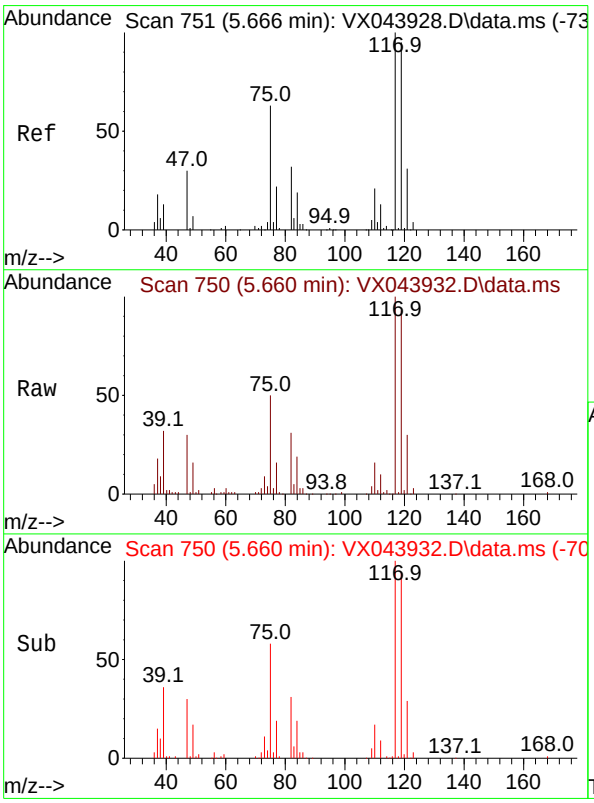
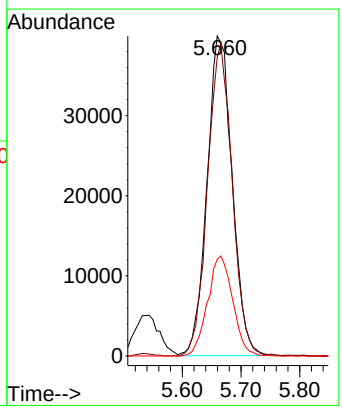
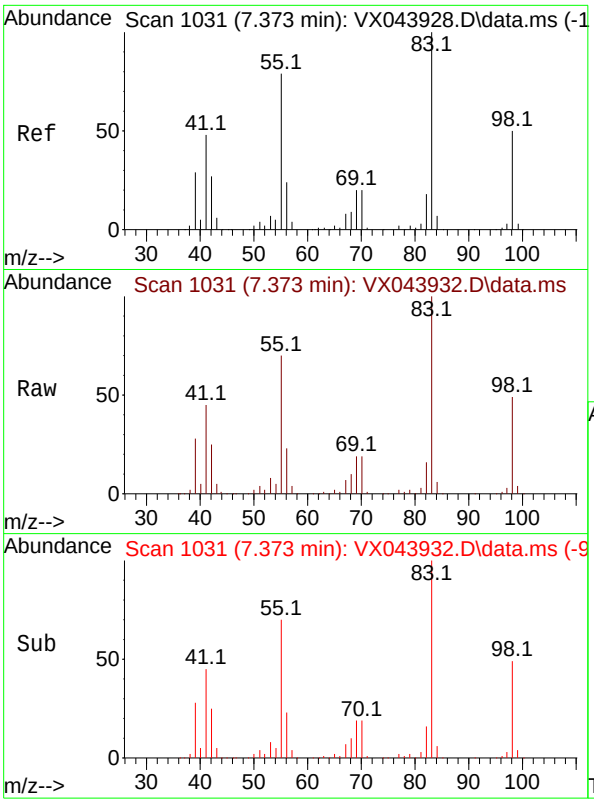



#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.5 | 75.2 | 112.8 |
| 121 | 30.3 | 24.5 | 36.7 |






#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

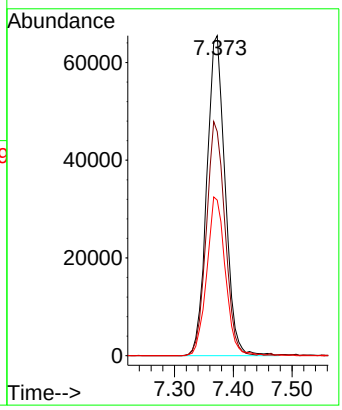
Tgt Ion: 83 Resp: 14169

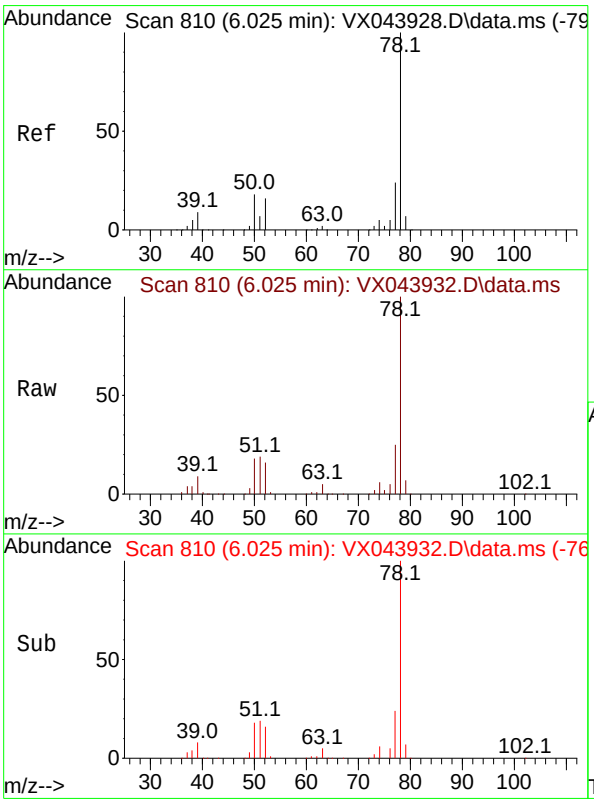
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.0 | 63.1 | 94.7 |
| 98 | 48.6 | 40.0 | 60.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

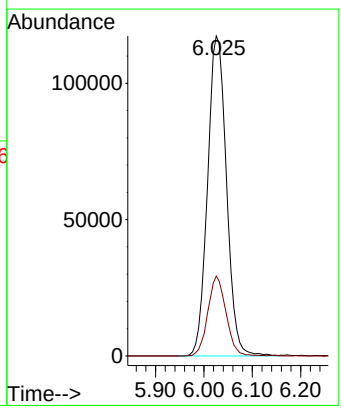


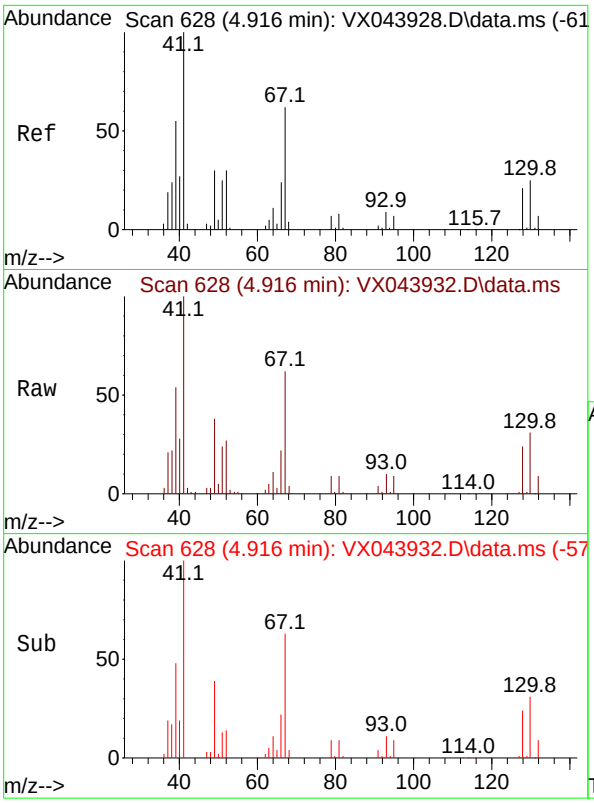




#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.0 | 19.2 | 28.8 |

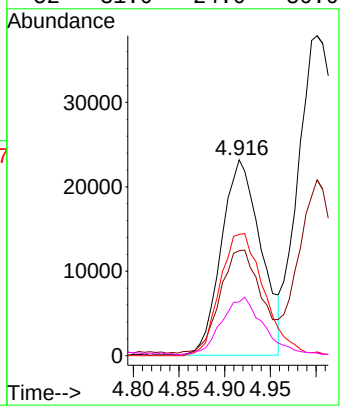





#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 6976

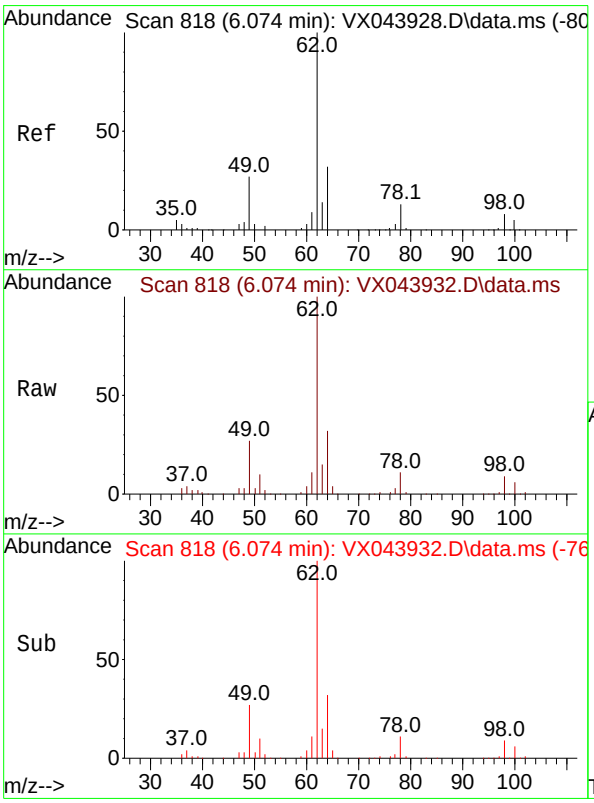
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 41.7 | 62.5 |
| 67 | 70.1 | 55.8 | 83.8 |
| 52 | 31.0 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

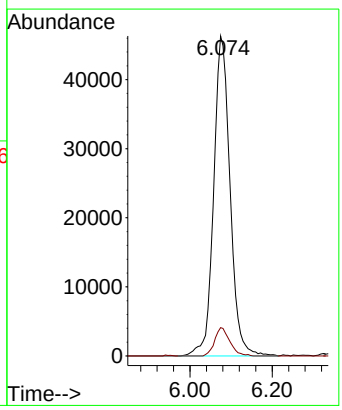
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

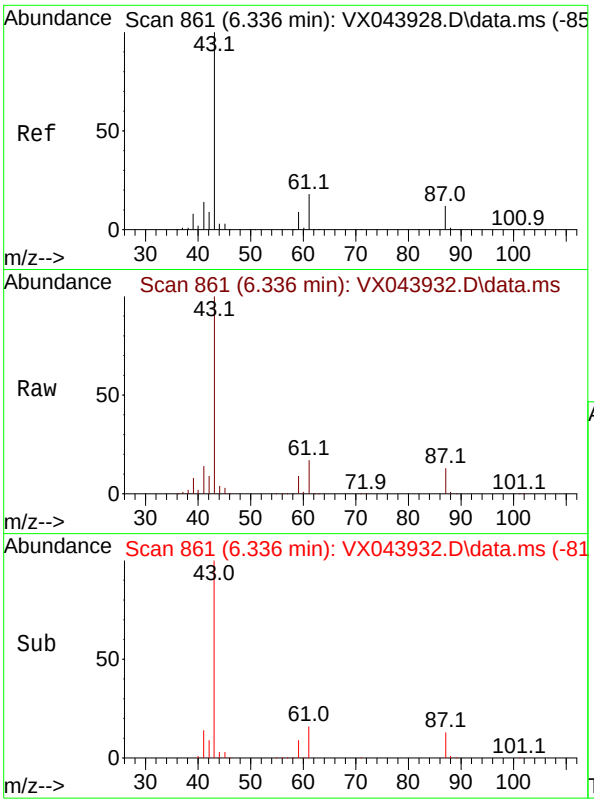



#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 16.4 |






#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

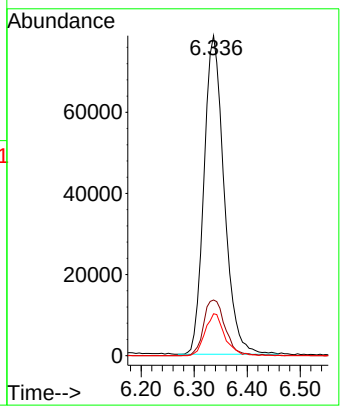
Tgt Ion: 43 Resp: 20733

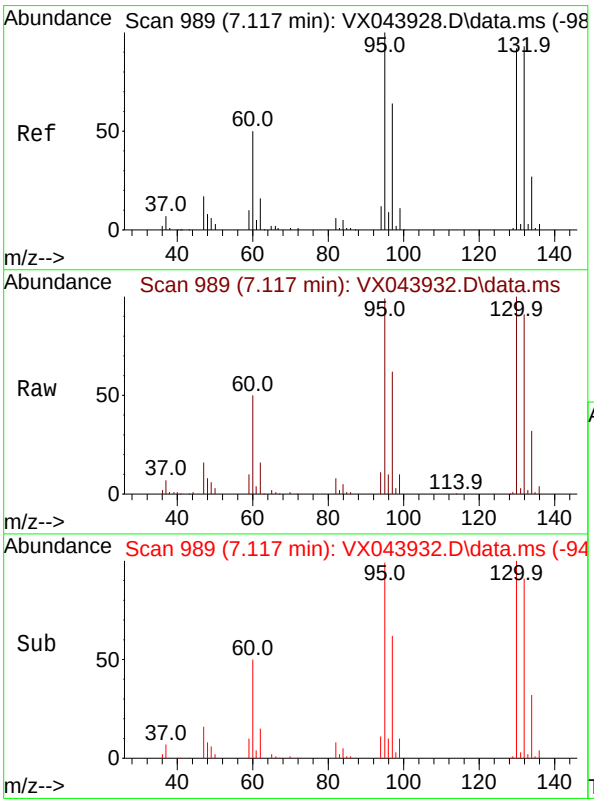
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.5 | 21.7 |
| 87 | 12.9 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

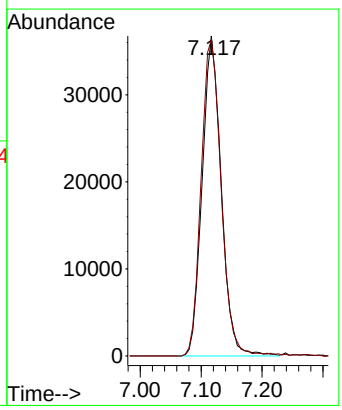


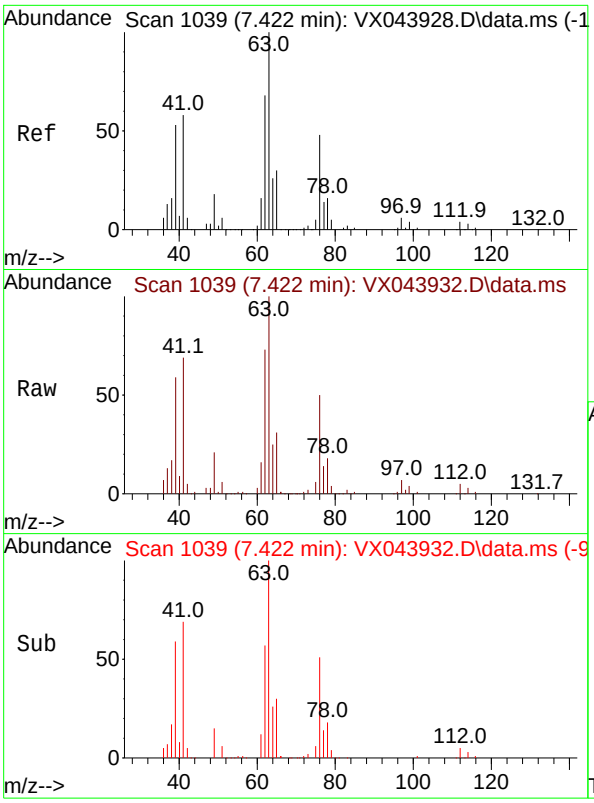




#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 217.8 |






#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

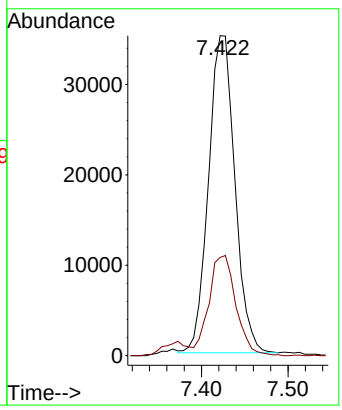
Tgt Ion: 63 Resp: 7438(

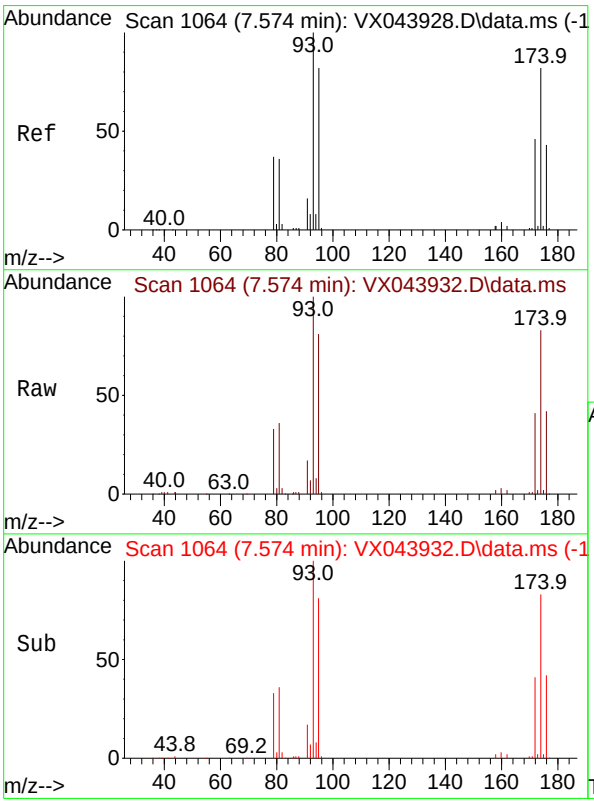
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 23.8 | 35.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

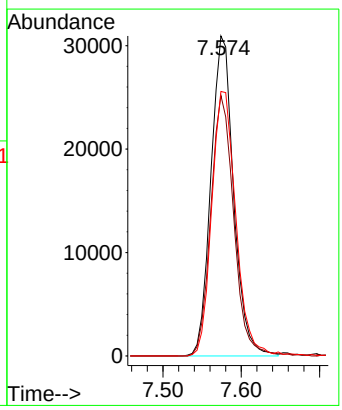


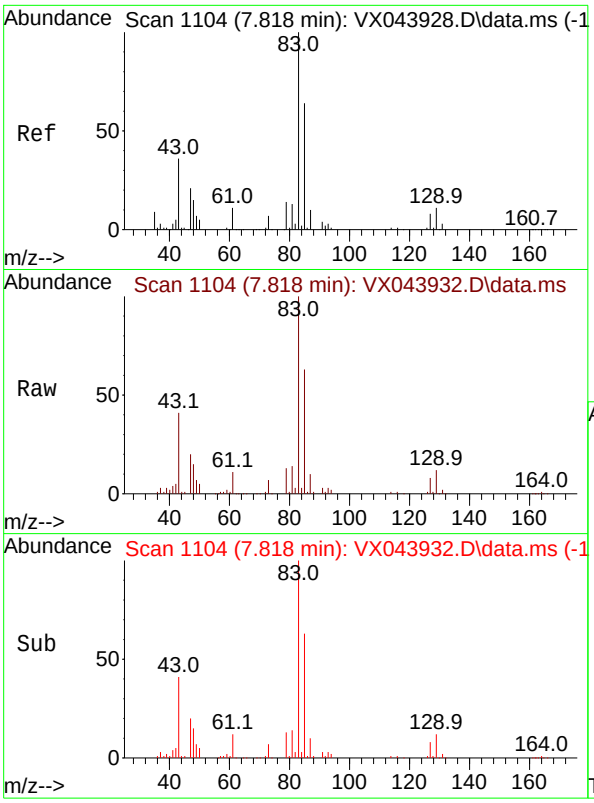




#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 66.2 | 99.4 |
| 174 | 88.2 | 69.6 | 104.4 |

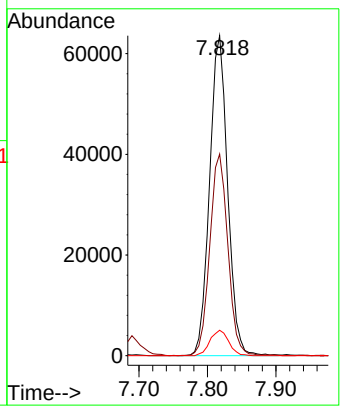





#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 116199

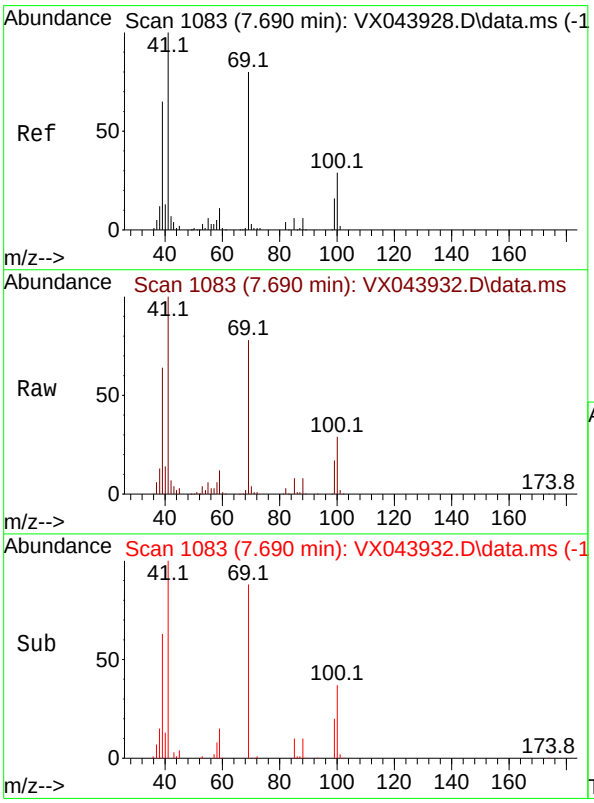
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 51.4 | 77.0 |
| 127 | 8.0 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

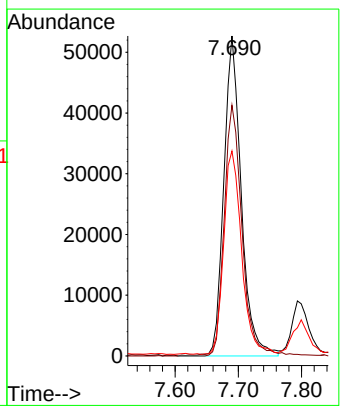
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

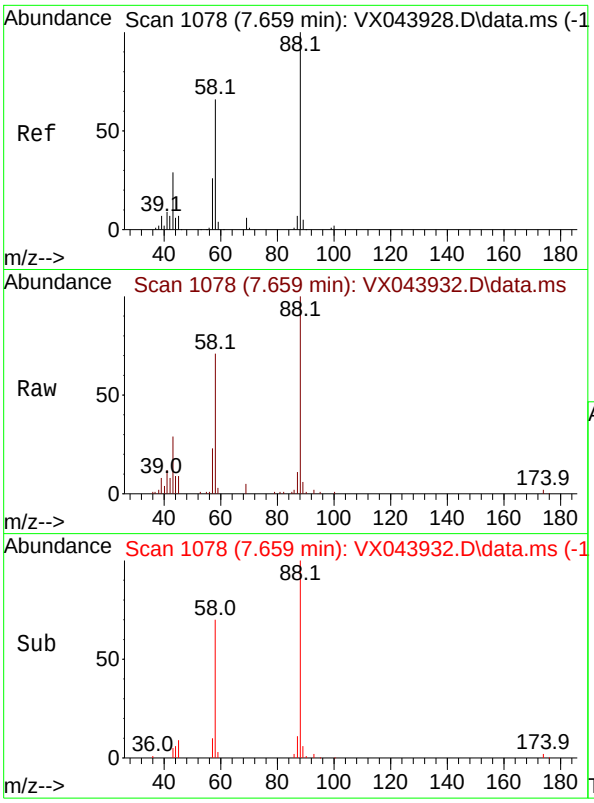



#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 64.6 | 97.0 |
| 39 | 65.2 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

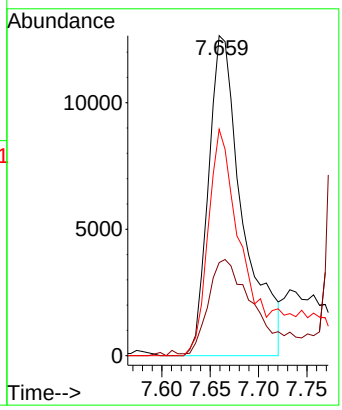
Tgt Ion: 88 Resp: 3117

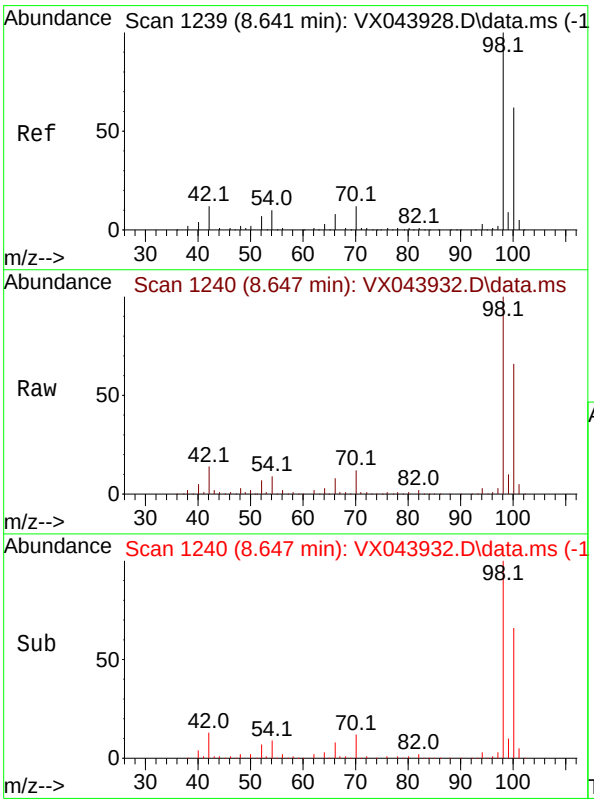
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 26.8 | 40.2 |
| 58 | 68.3 | 45.4 | 68.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

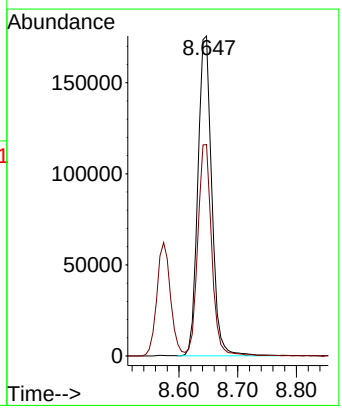


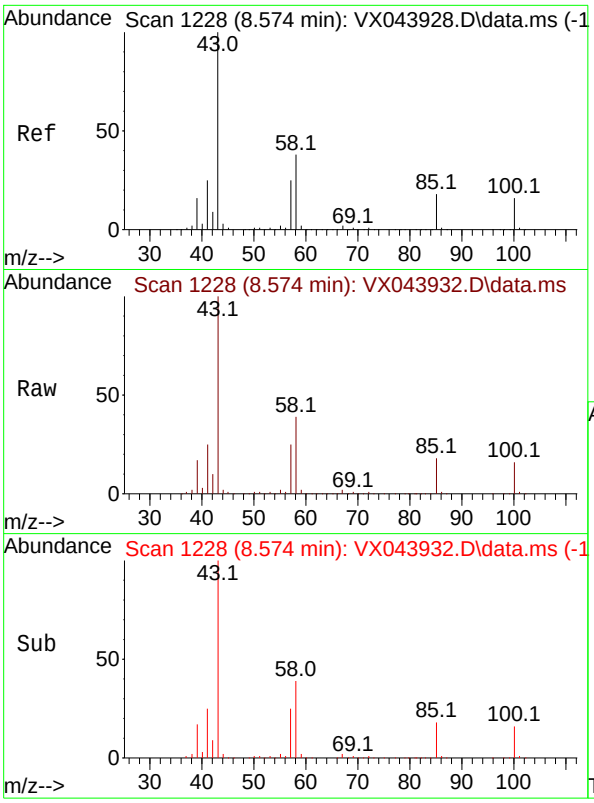




#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 52.6 | 79.0 |






#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

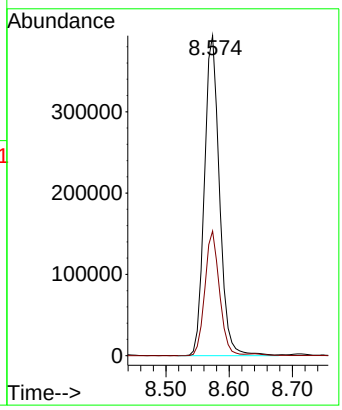
Tgt Ion: 43 Resp: 65272

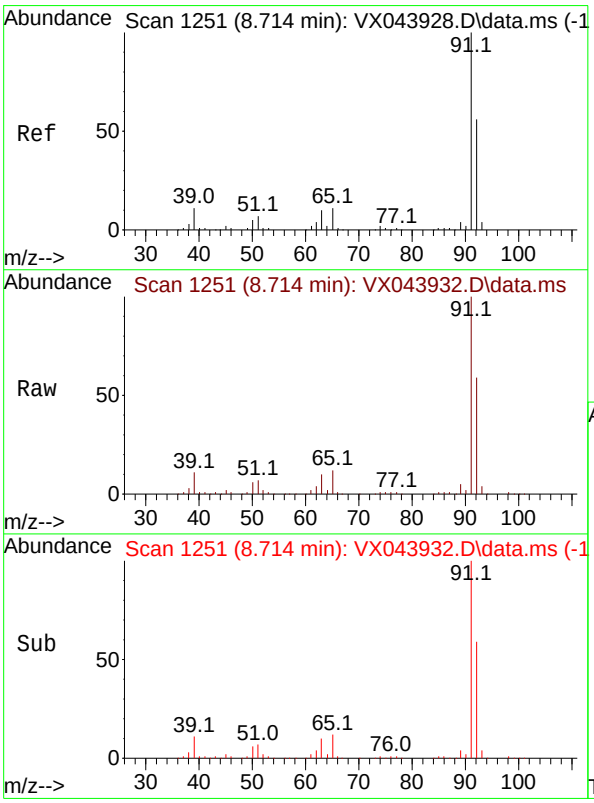
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 30.0 | 45.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

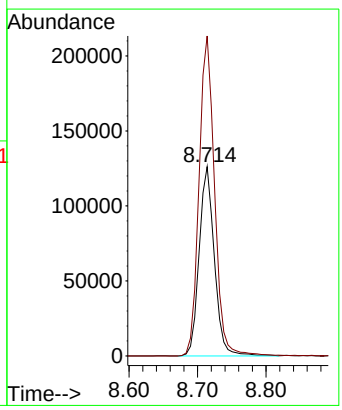


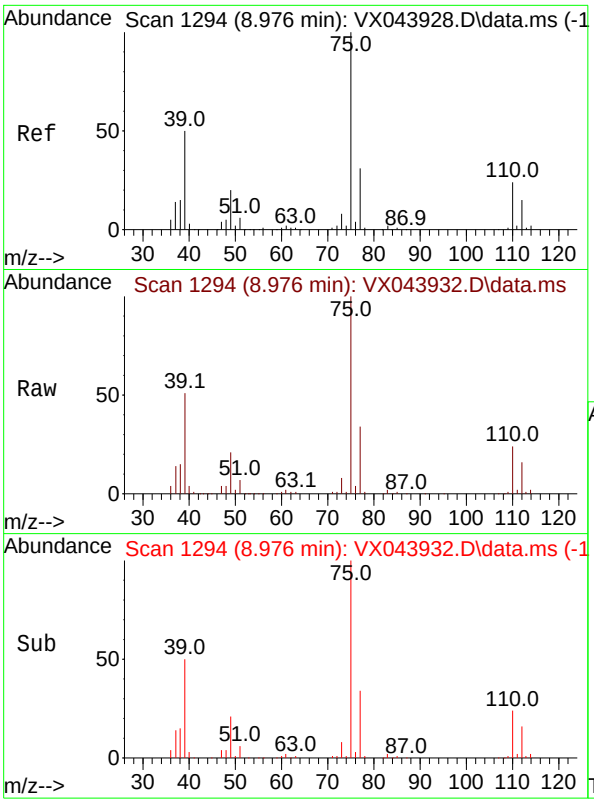




#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 139.7 | 209.5 |

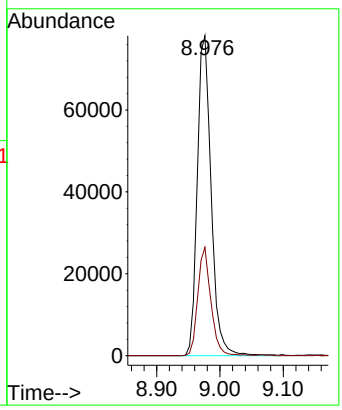





#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 11946

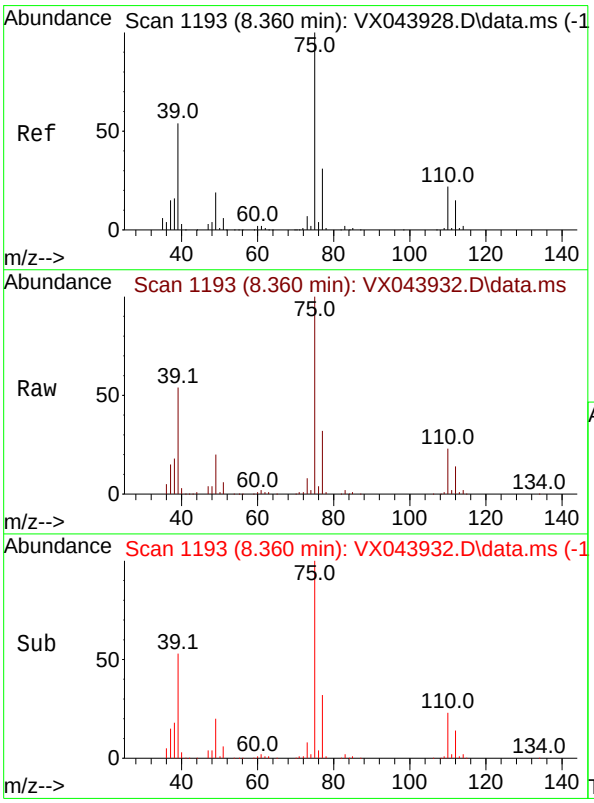
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.9 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

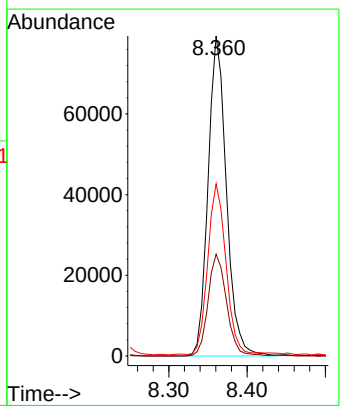
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

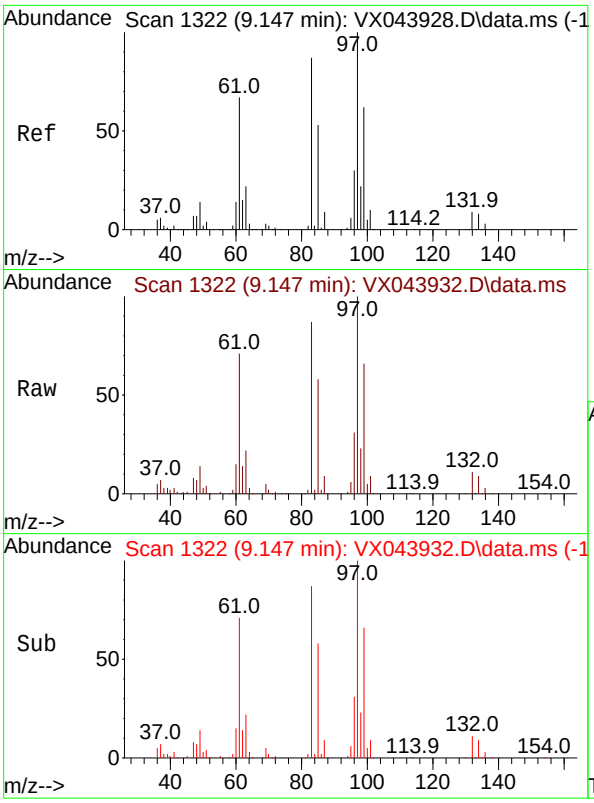



#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.2 | 37.8 |
| 39 | 53.2 | 43.1 | 64.7 |






#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

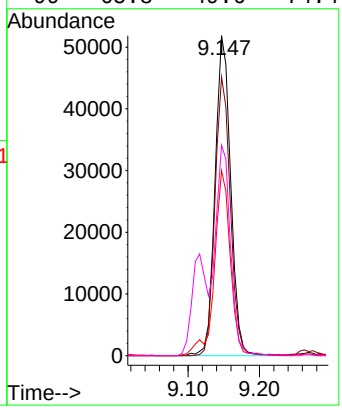
**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

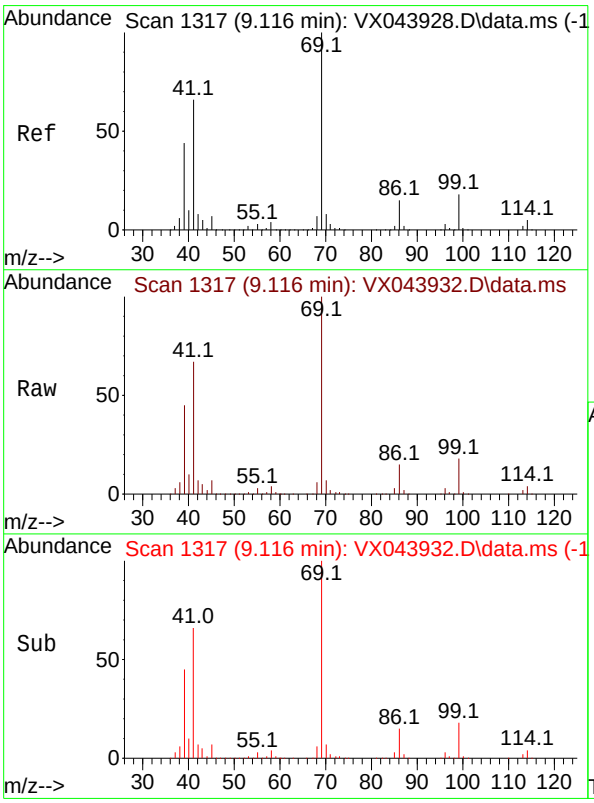
Tgt Ion: 97 Resp: 7857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.4 | 104.0 |
| 85 | 57.7 | 42.3 | 63.5 |
| 99 | 65.8 | 49.6 | 74.4 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

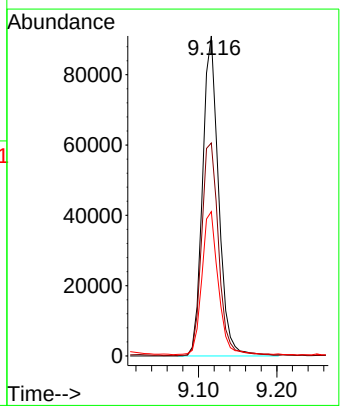


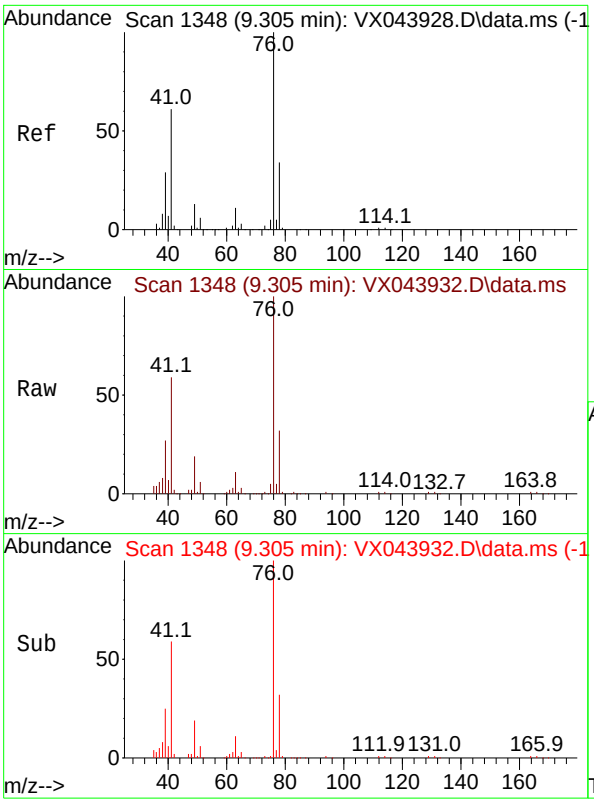




#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 55.8 | 83.8 |
| 39 | 46.1 | 36.7 | 55.1 |






#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

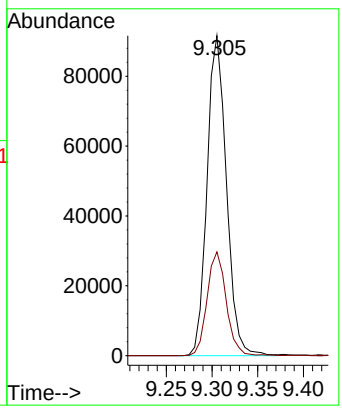
Tgt Ion: 76 Resp: 13468

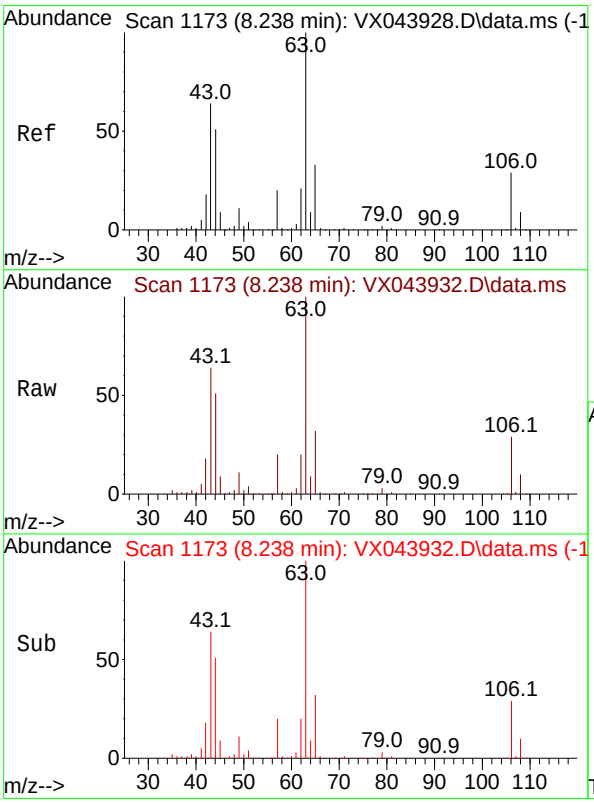
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

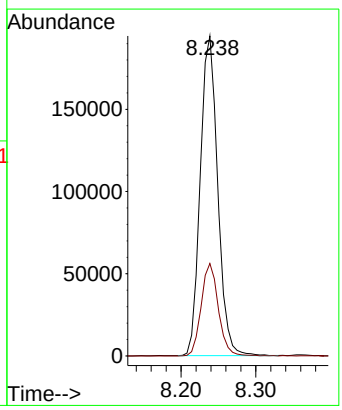


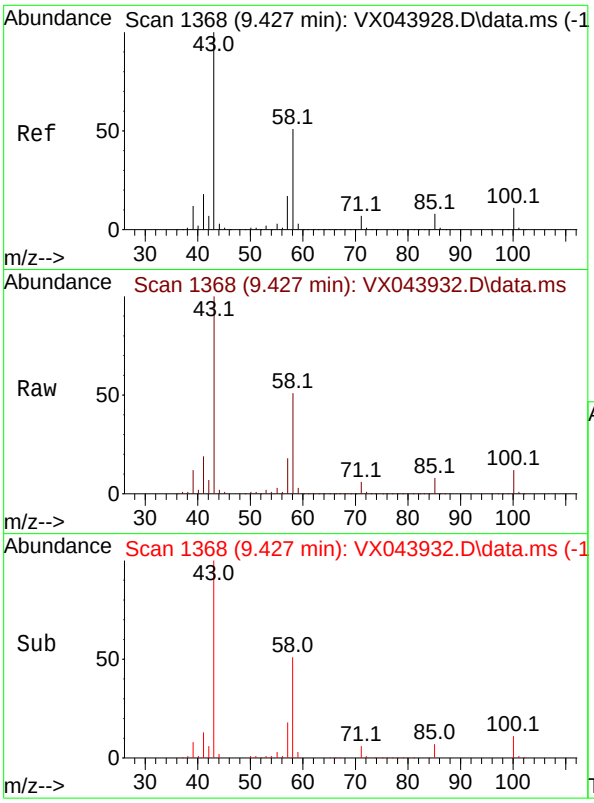




#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 23.0 | 34.6 |






#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

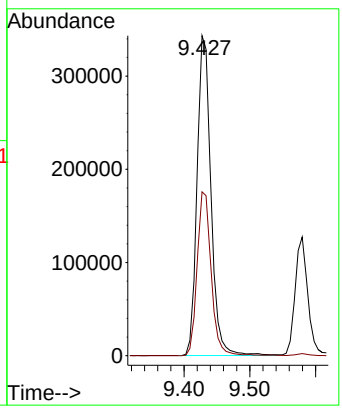
Tgt Ion: 43 Resp: 50444

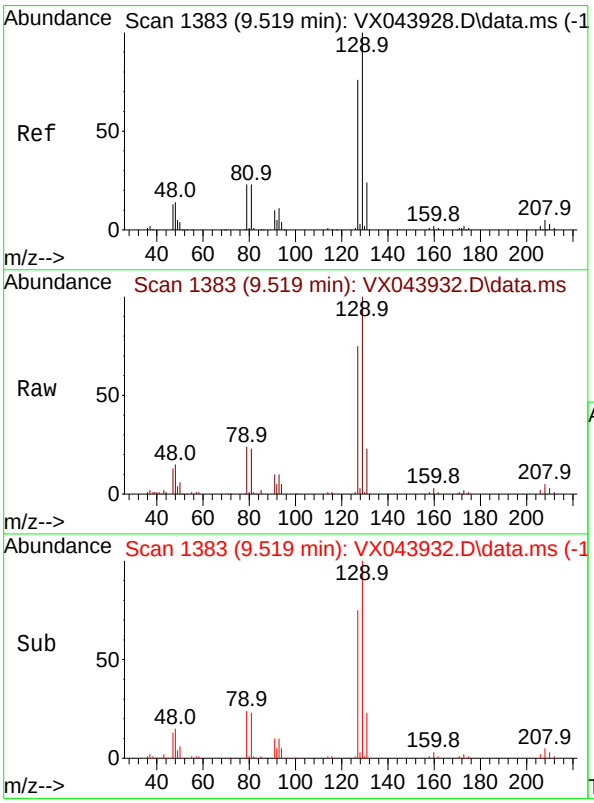
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.8 | 25.9 | 77.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

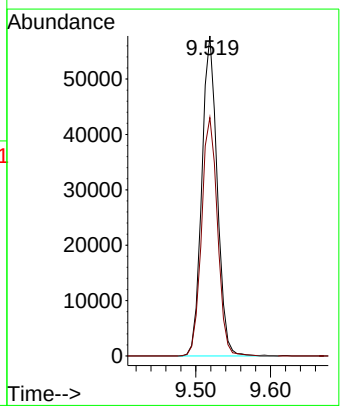


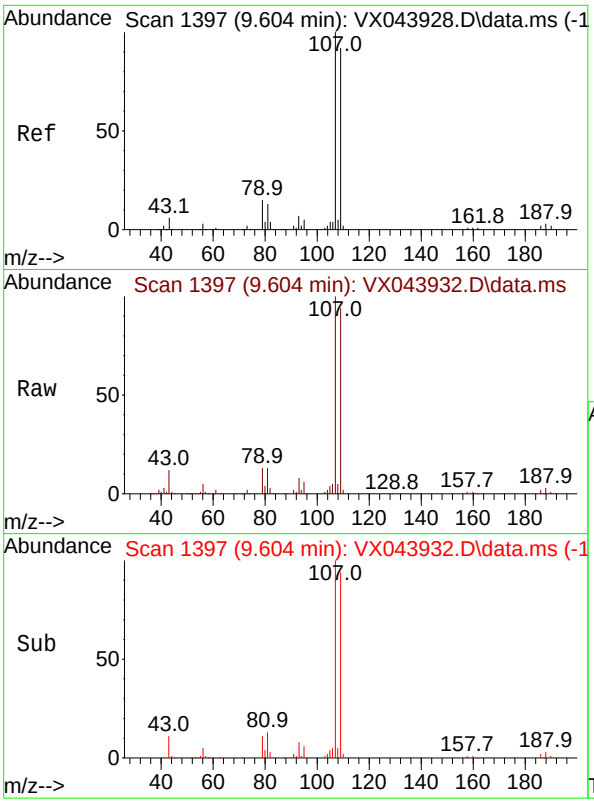




#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.2 | 114.6 |






#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

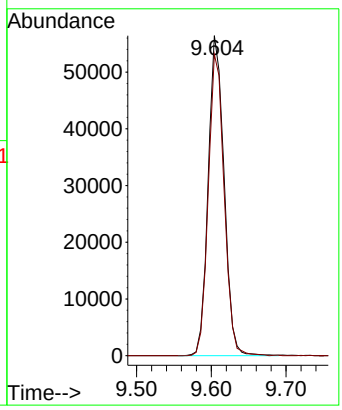
Tgt Ion:107 Resp: 8309

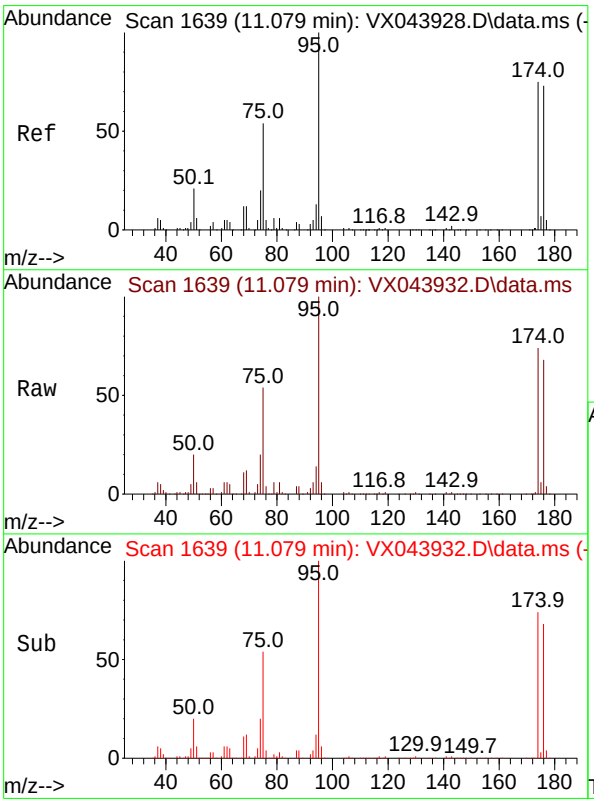
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.2 | 112.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

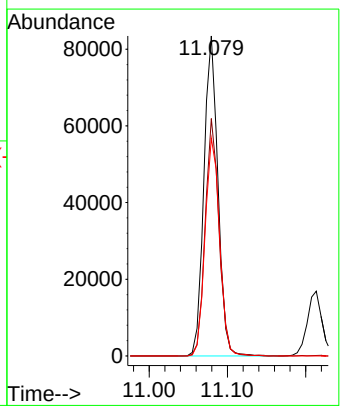


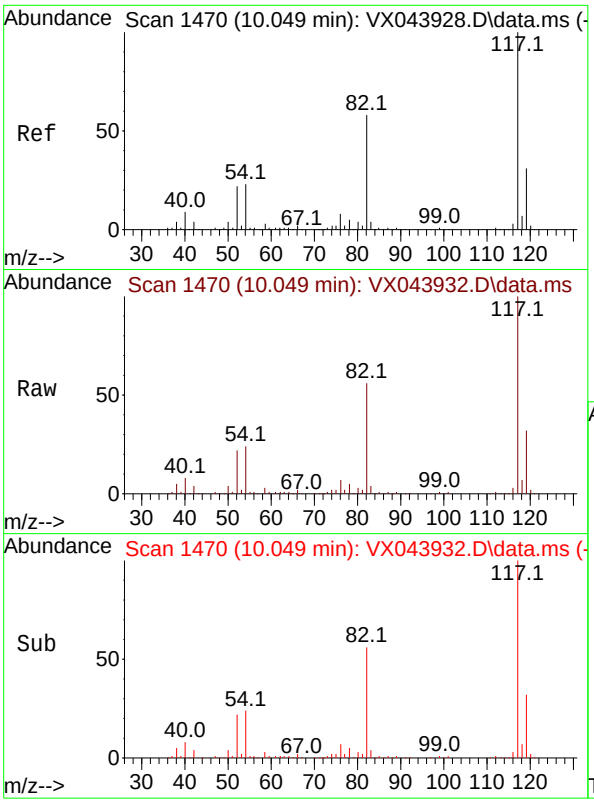




#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.0 | 0.0 | 150.4 |
| 176 | 70.5 | 0.0 | 146.0 |

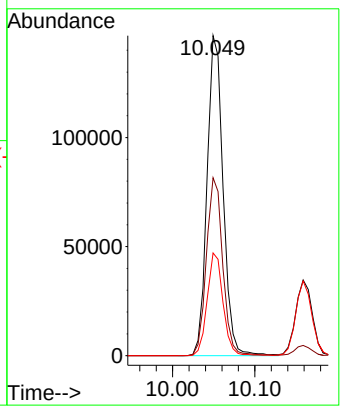





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 19877

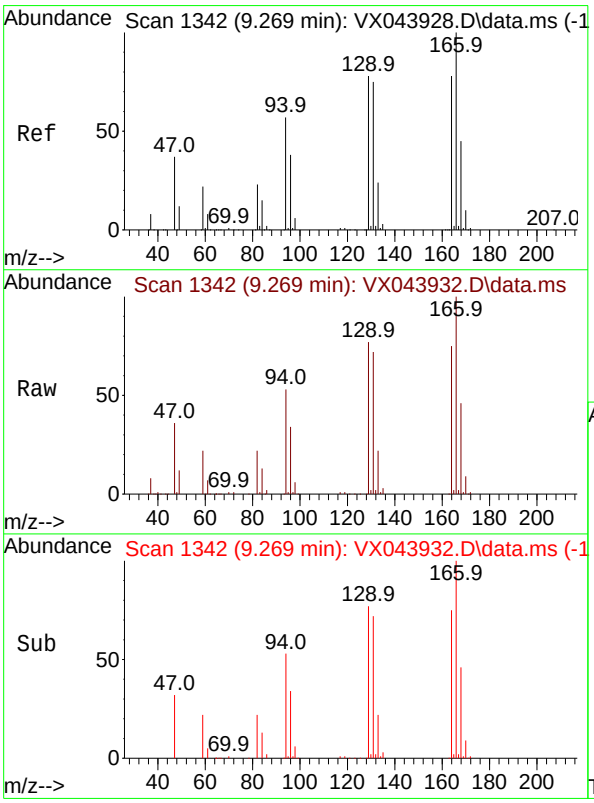
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 46.4 | 69.6 |
| 119 | 32.1 | 24.6 | 37.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

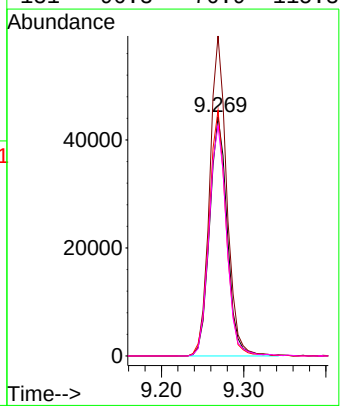
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

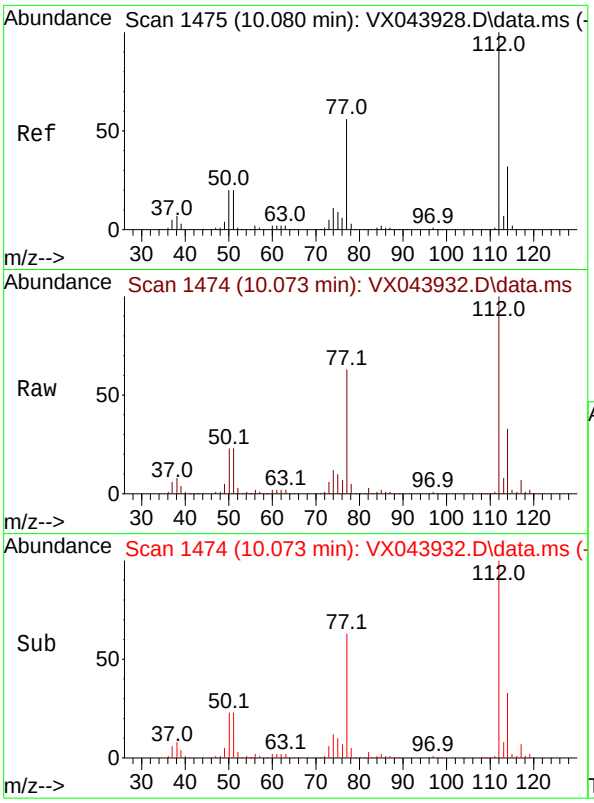



#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.9 | 102.1 | 153.1 |
| 129 | 102.7 | 79.6 | 119.4 |
| 131 | 96.3 | 76.9 | 115.3 |

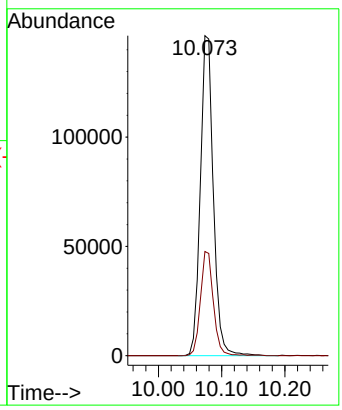





#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:112 Resp: 20996

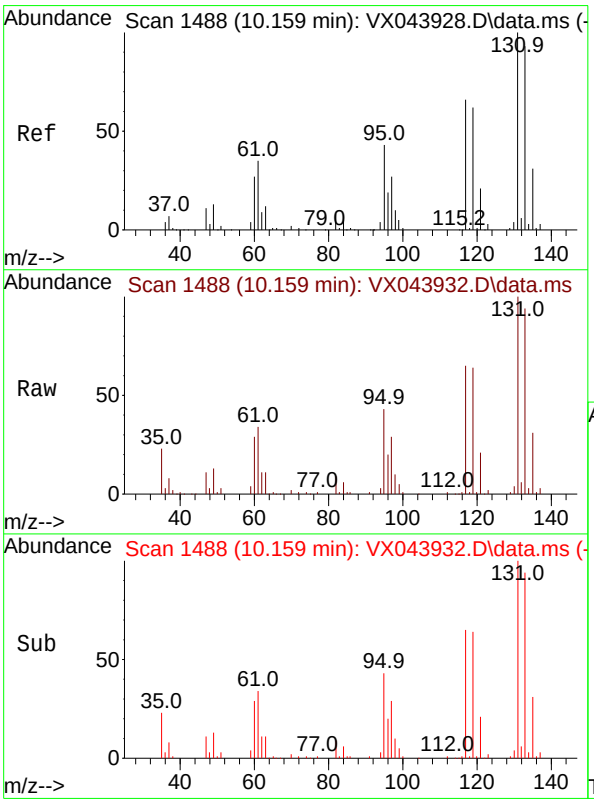
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

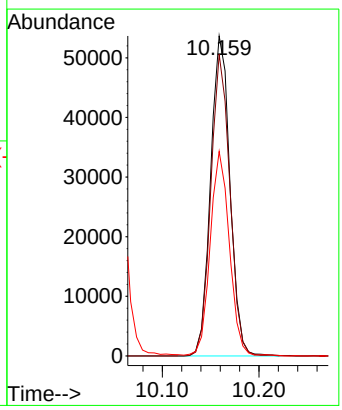
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

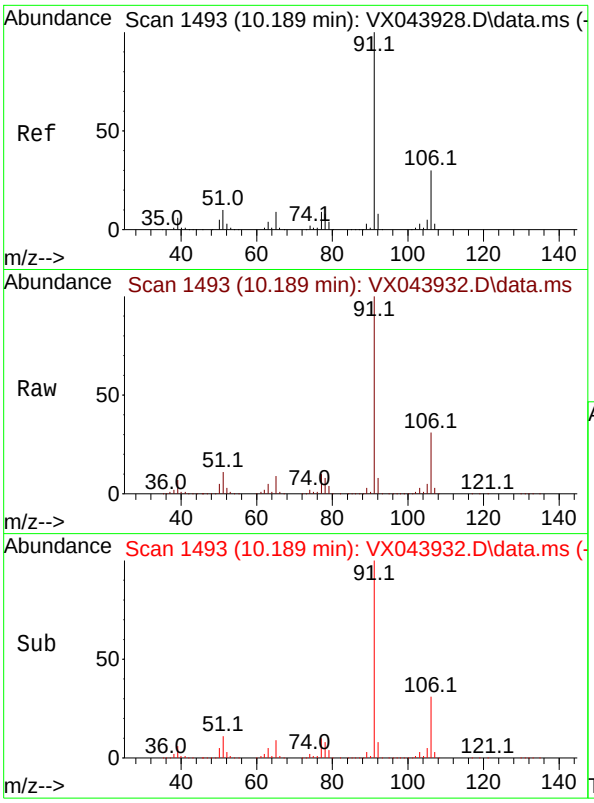



#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.9 | 48.2 | 144.6 |
| 119 | 63.5 | 31.5 | 94.5 |






#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

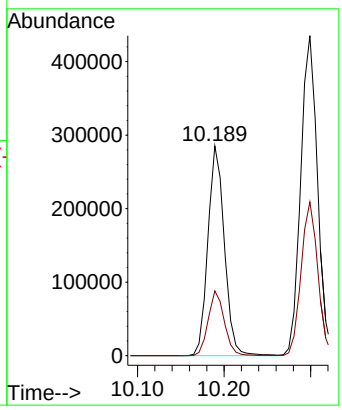
Tgt Ion: 91 Resp: 37721

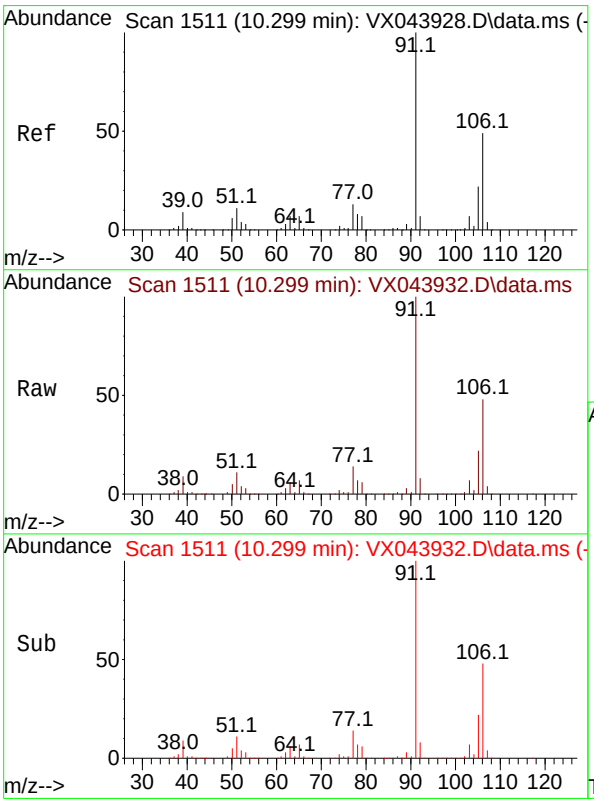
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 23.6 | 35.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

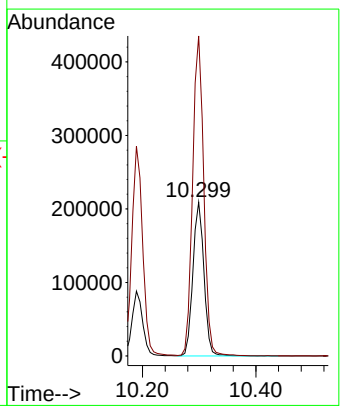


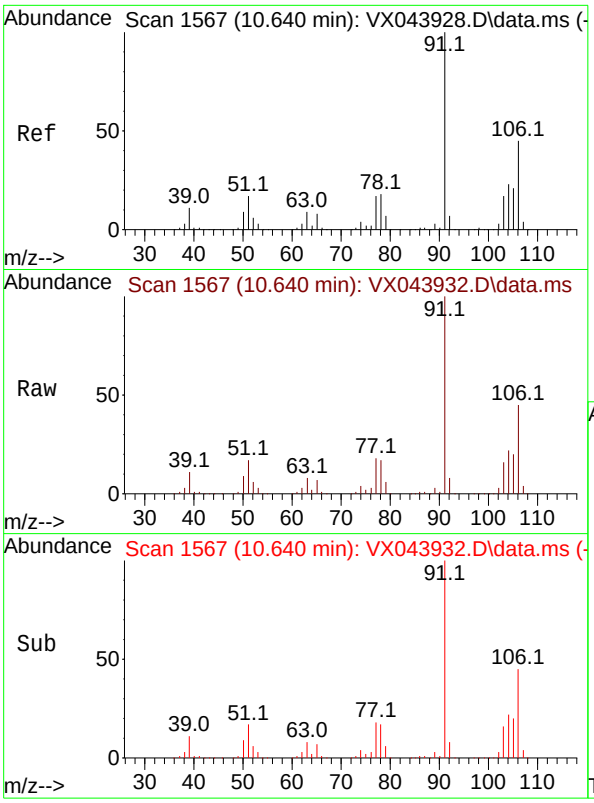




#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 168.1 | 252.1 |

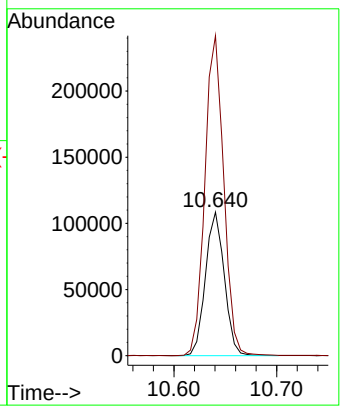





#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 13843

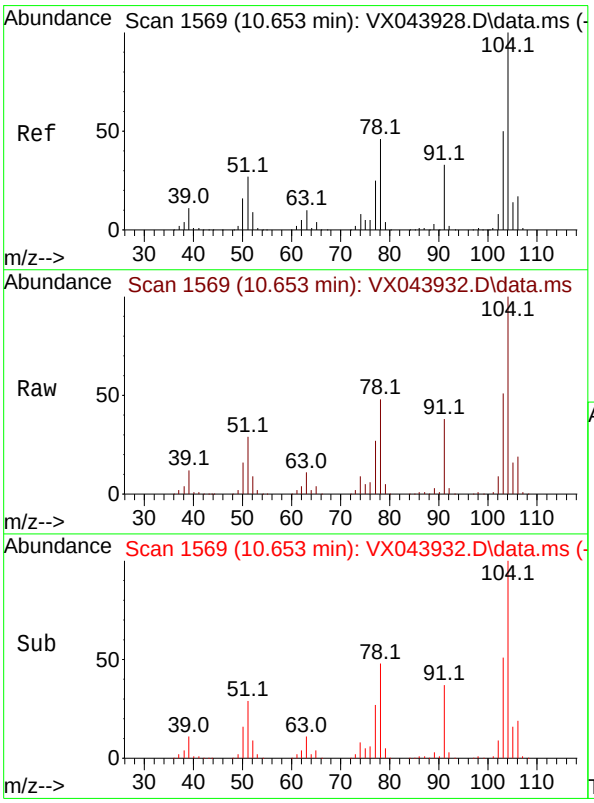
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.5 | 110.2 | 330.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

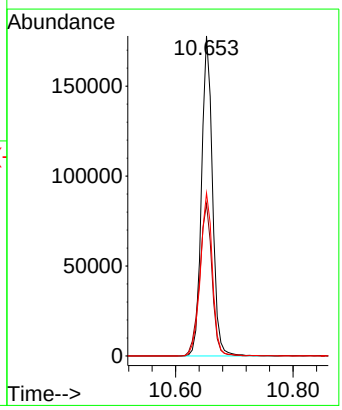
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

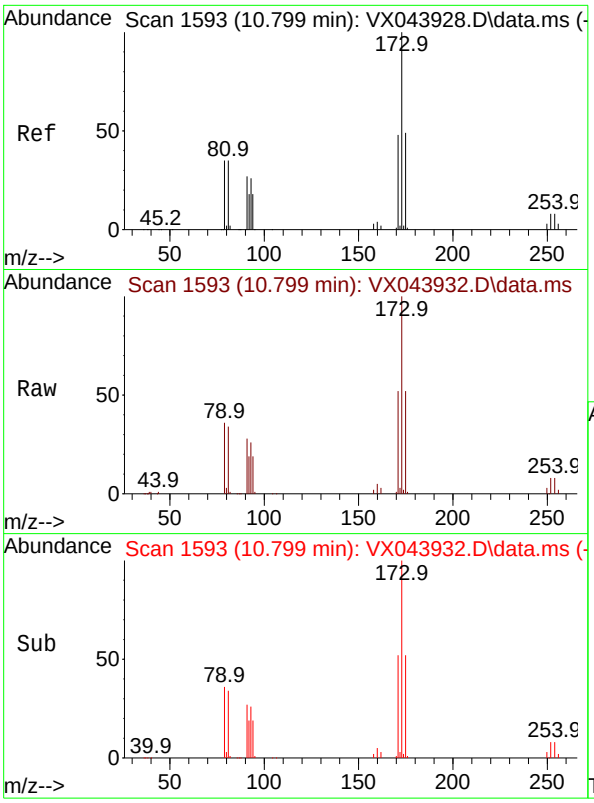



#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 42.2 | 63.2 |
| 103 | 56.0 | 44.7 | 67.1 |

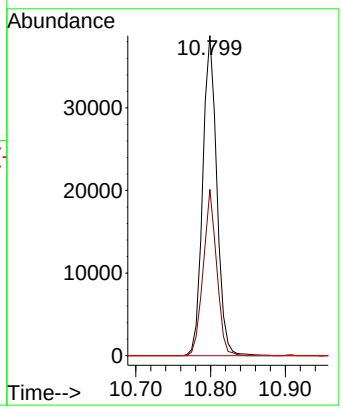





#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:173 Resp: 5083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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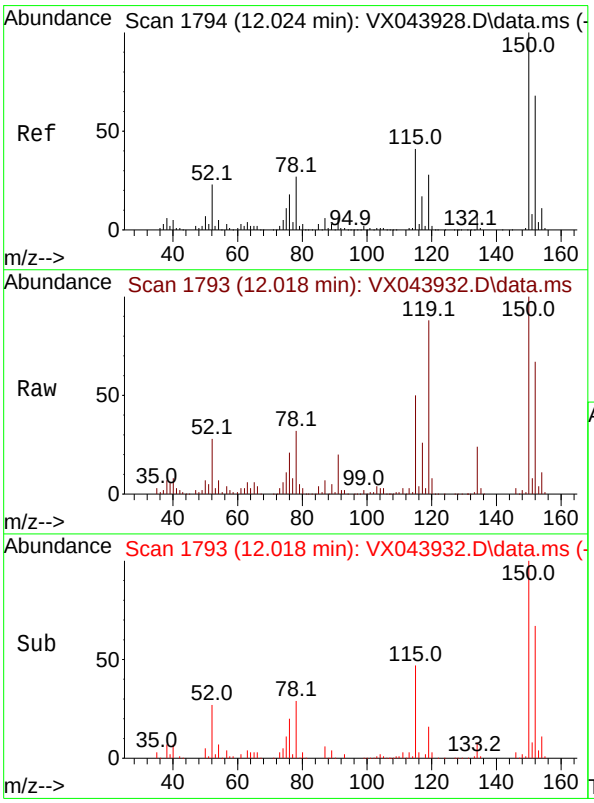
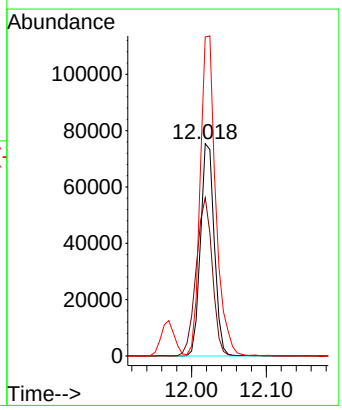
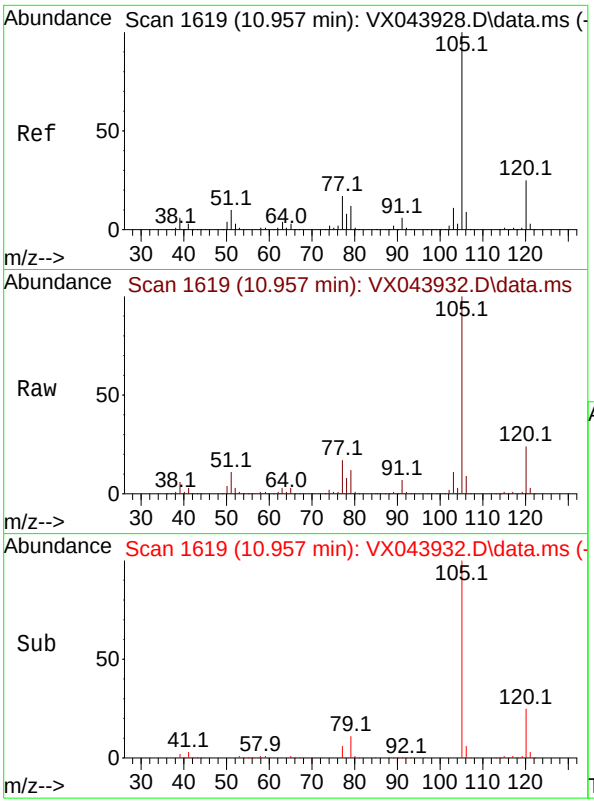



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.3 | 45.4 | 136.2 |
| 150 | 169.5 | 0.0 | 353.0 |

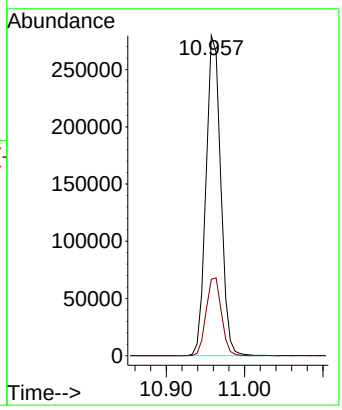





#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 36508

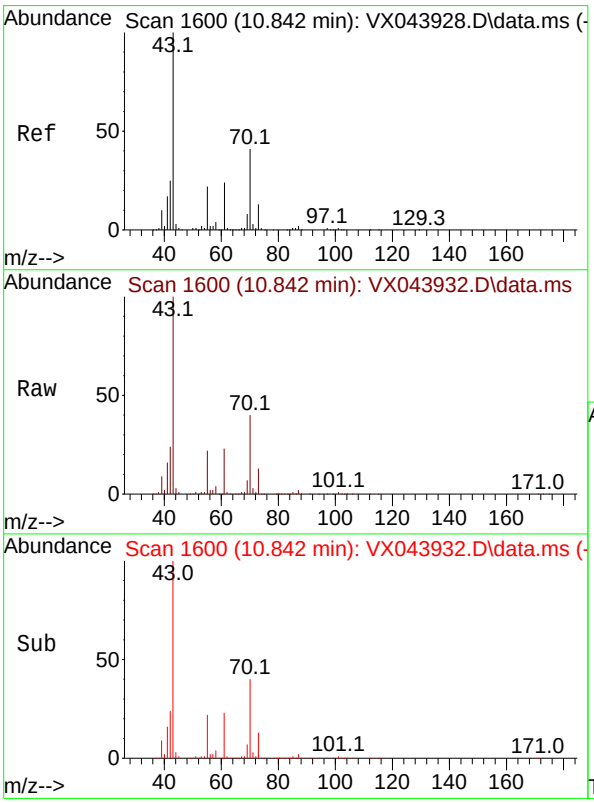
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

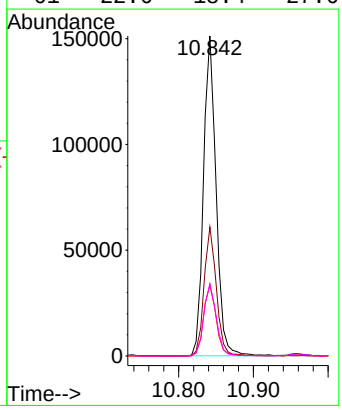
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

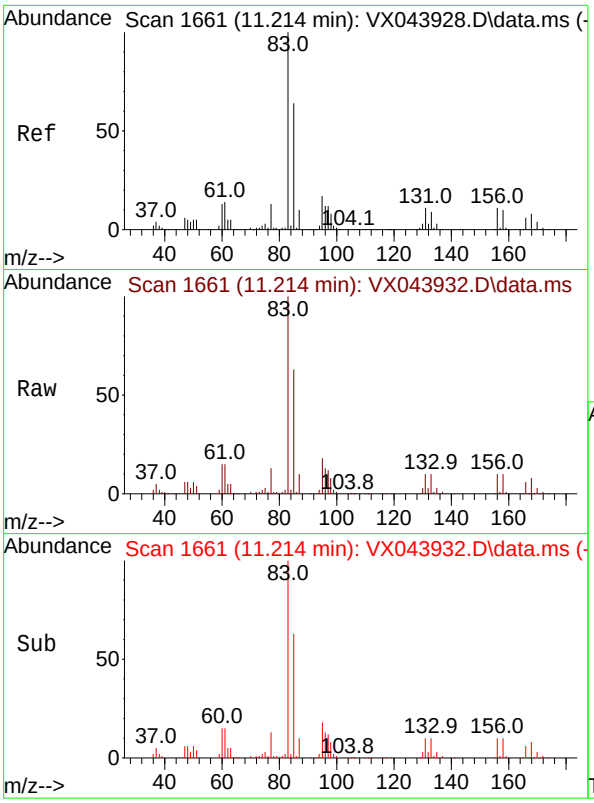



#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.7 | 32.2 | 48.2 |
| 55 | 22.4 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |






#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

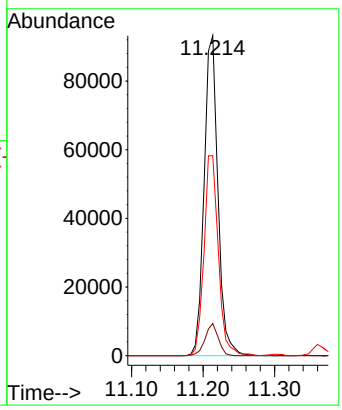
Tgt Ion: 83 Resp: 12534

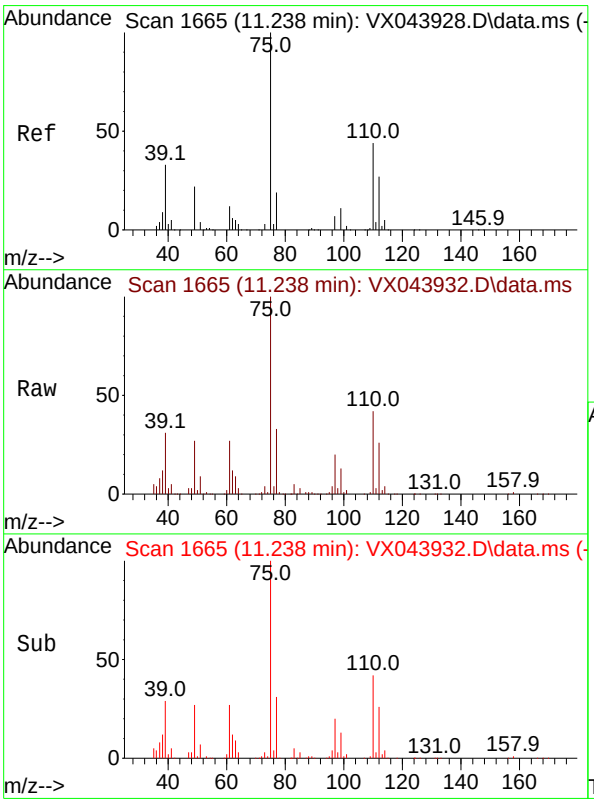
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.1 | 15.2 |
| 85 | 64.9 | 32.2 | 96.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

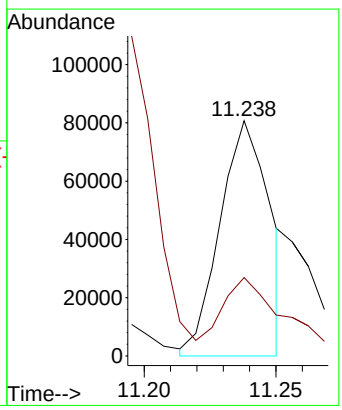


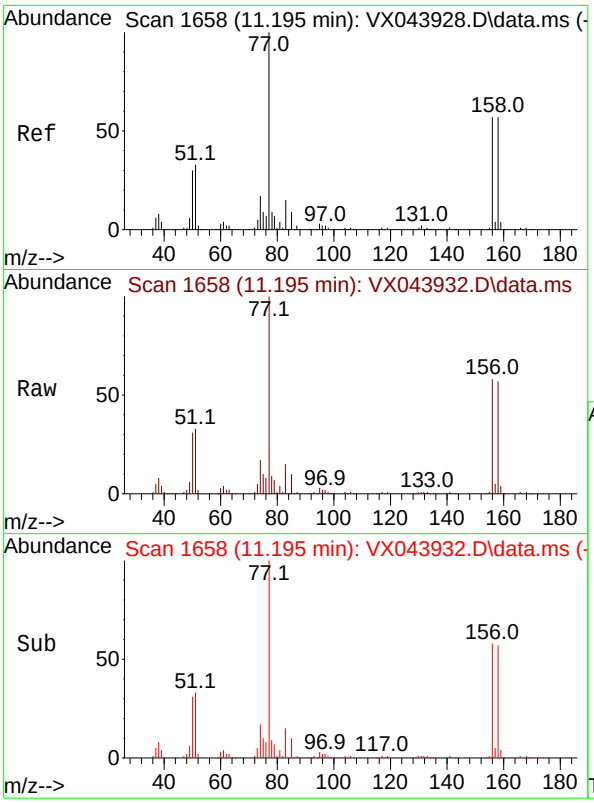




#76
1,2,3-Trichloropropane
Concen: 49.973 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 105742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.7 | 21.8 | 65.3 |

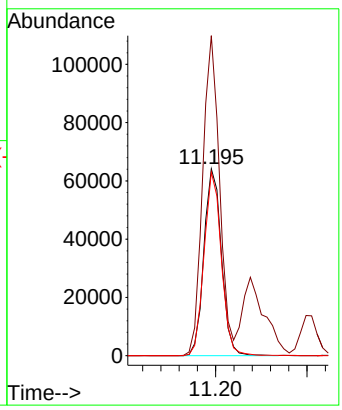





#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:156 Resp: 8507

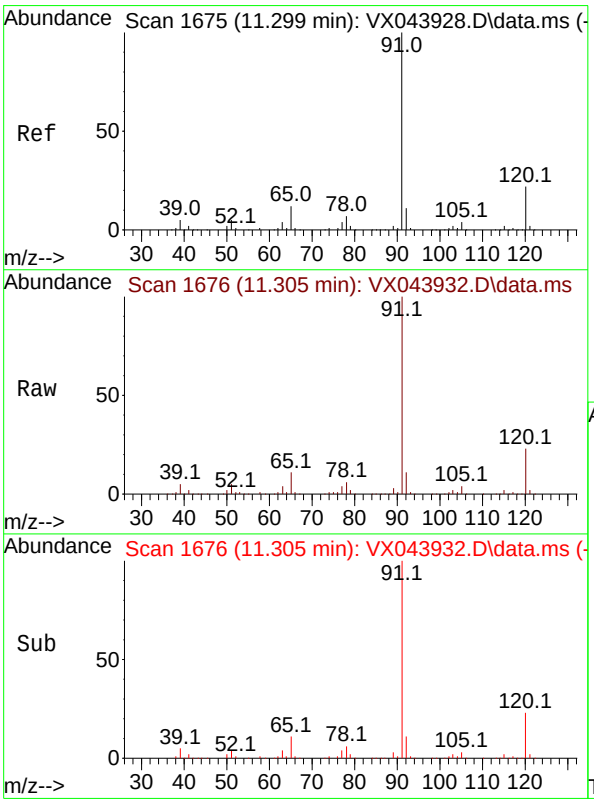
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.4 | 83.4 | 250.1 |
| 158 | 96.9 | 47.6 | 142.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

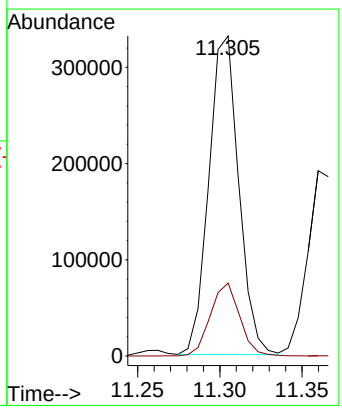
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

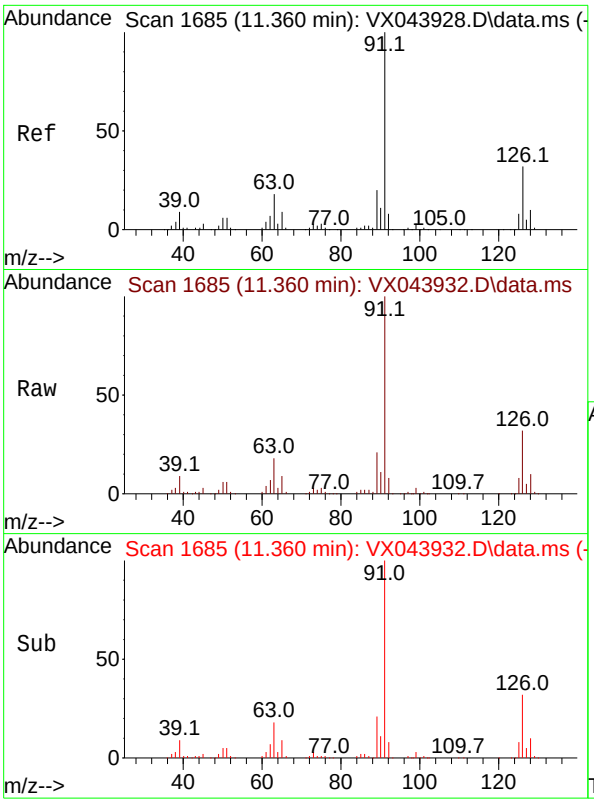



#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.4 |

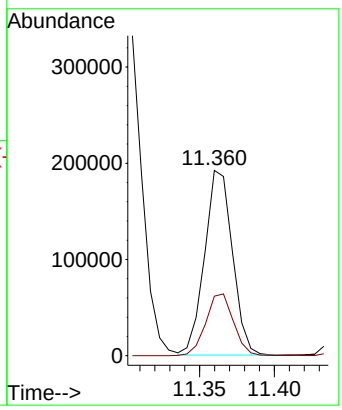





#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 24907

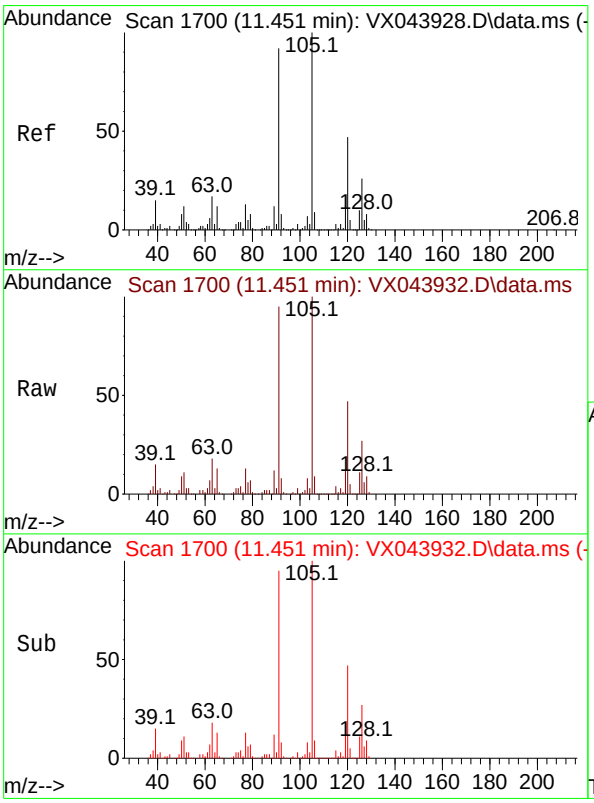
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

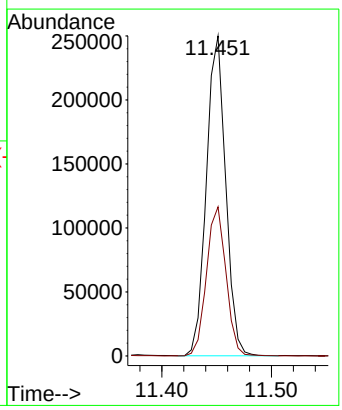
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

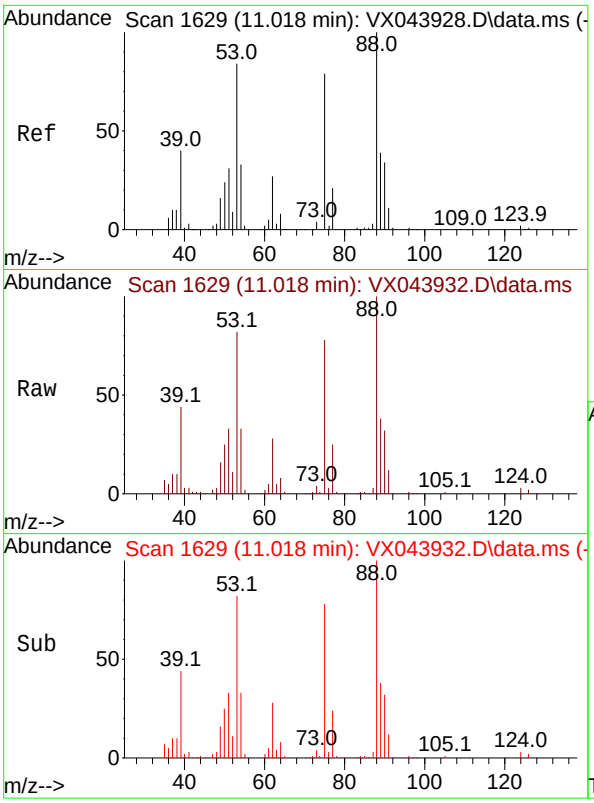



#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

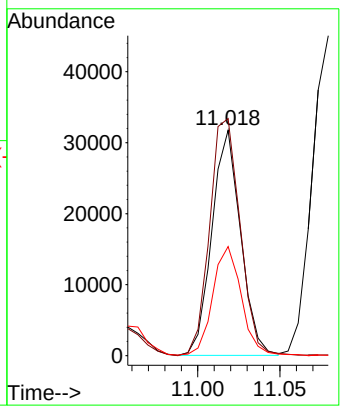
Tgt Ion: 75 Resp: 3858

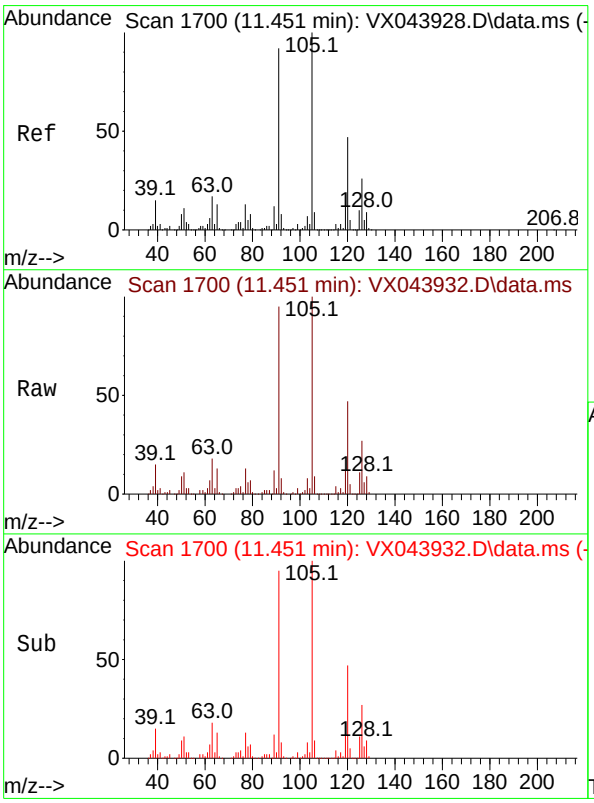
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.7 | 86.7 | 130.1 |
| 89 | 48.1 | 38.2 | 57.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

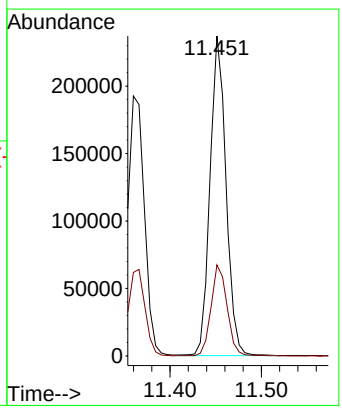


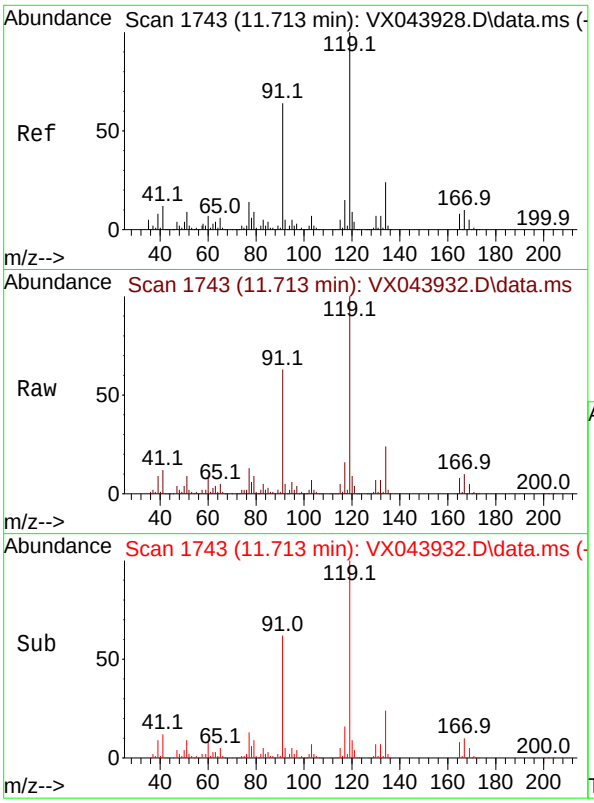




#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |

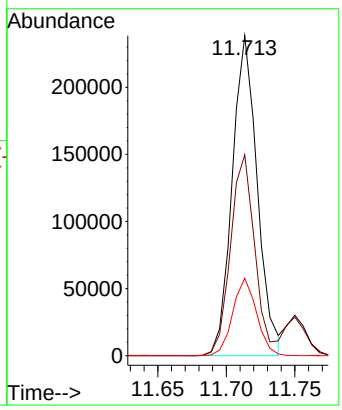





#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 30340

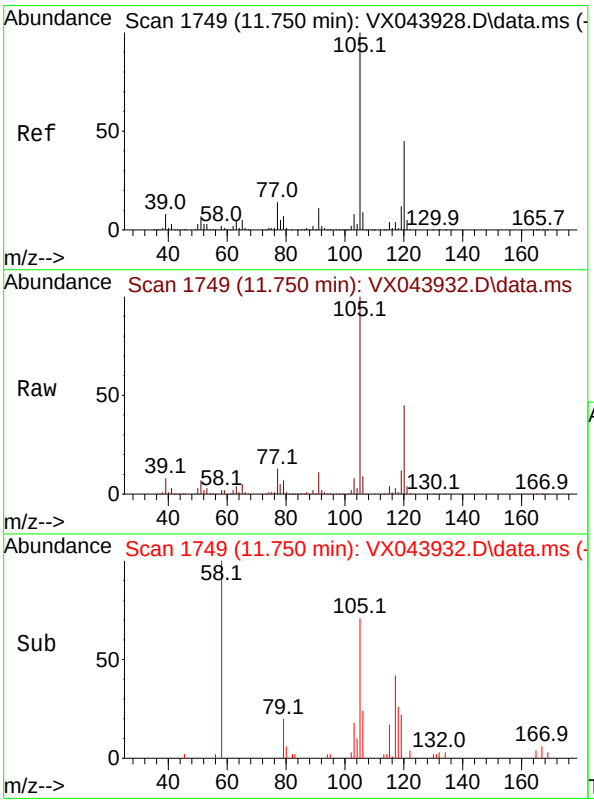
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.2 | 31.0 | 93.0 |
| 134 | 23.1 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

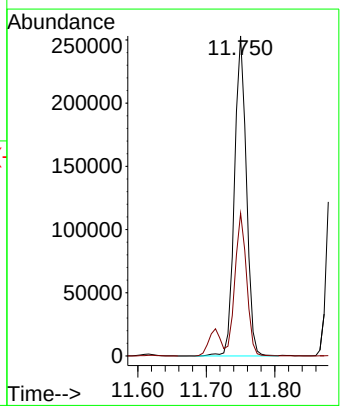
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

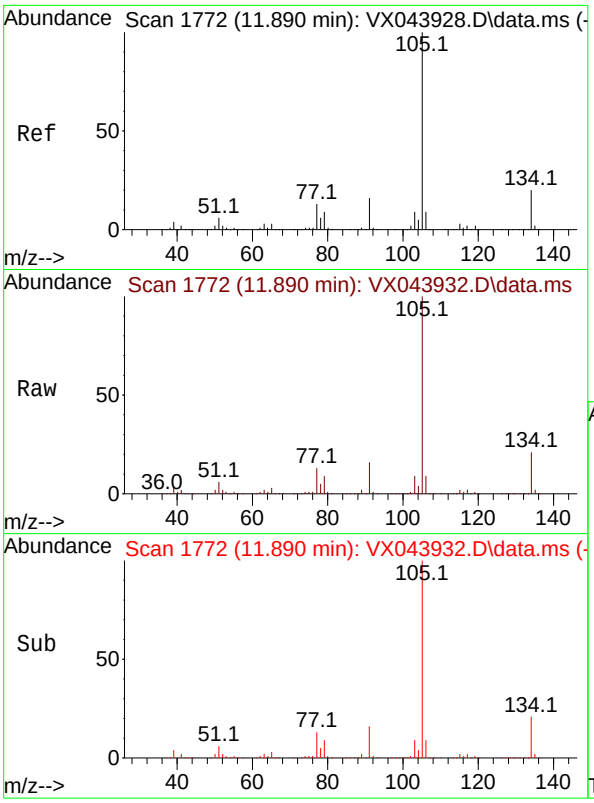



#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.9 | 65.7 |






#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

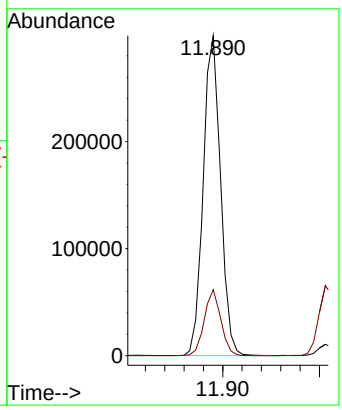
Tgt Ion:105 Resp: 37279

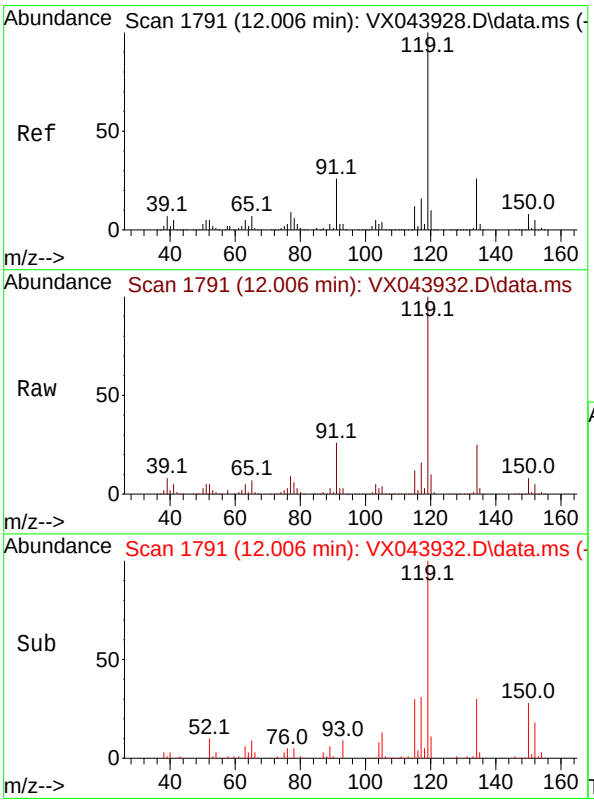
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

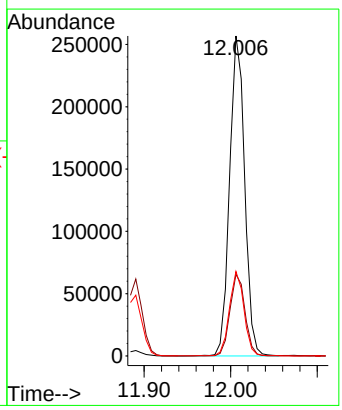


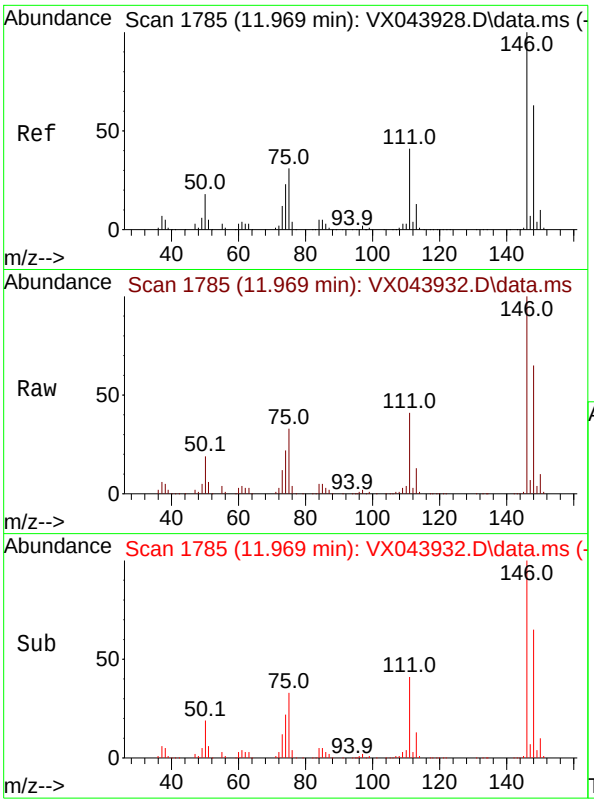




#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 25.7 | 13.0 | 38.9 |

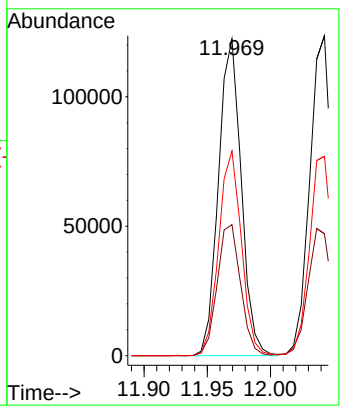





#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 15316

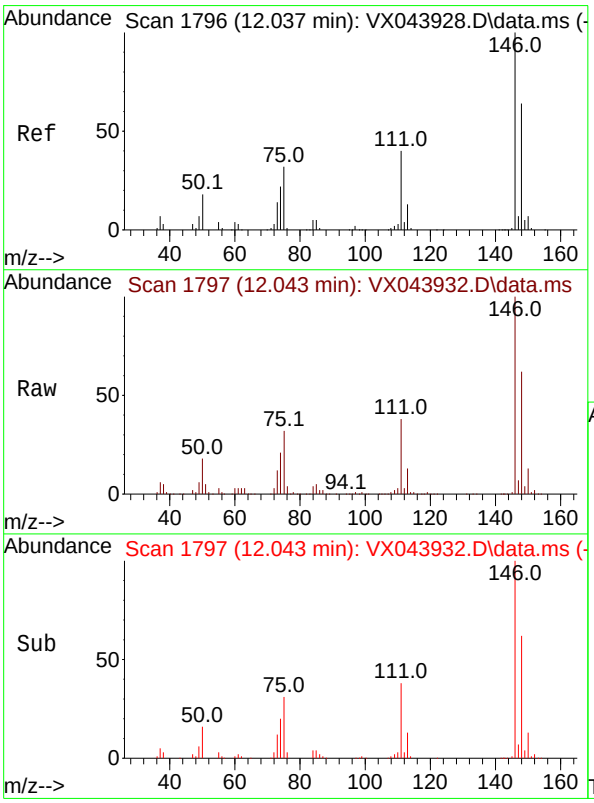
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.1 | 63.3 |
| 148 | 64.4 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

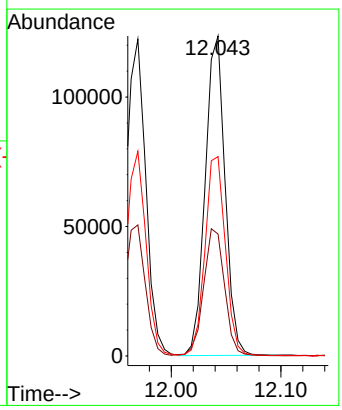
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

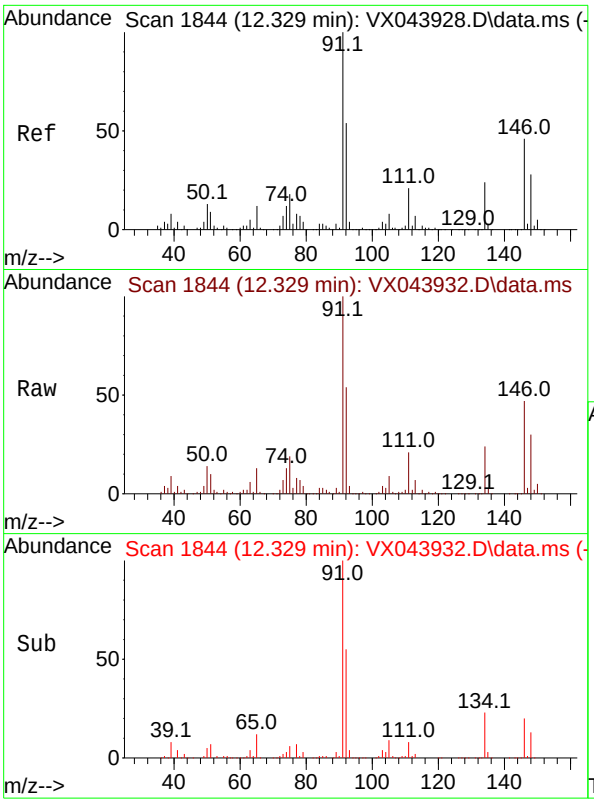



#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.1 | 60.3 |
| 148 | 64.7 | 30.9 | 92.8 |






#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 27607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.8 |
| 134 | 24.0 | 12.4 | 37.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

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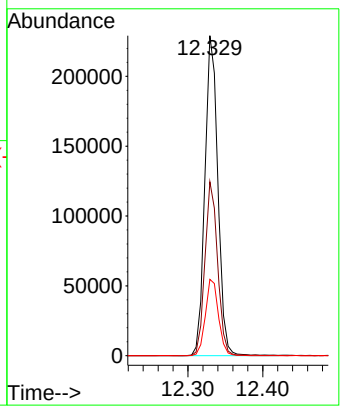
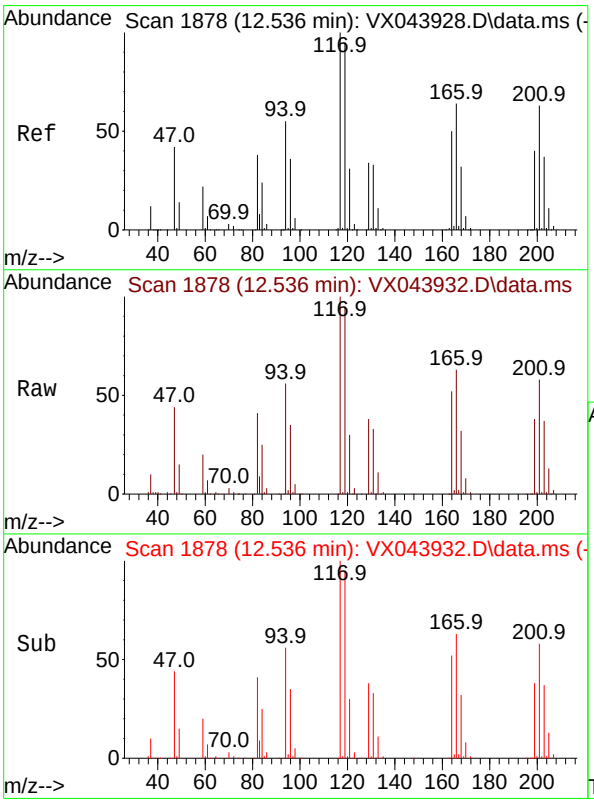
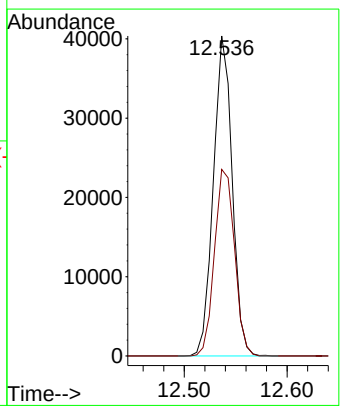


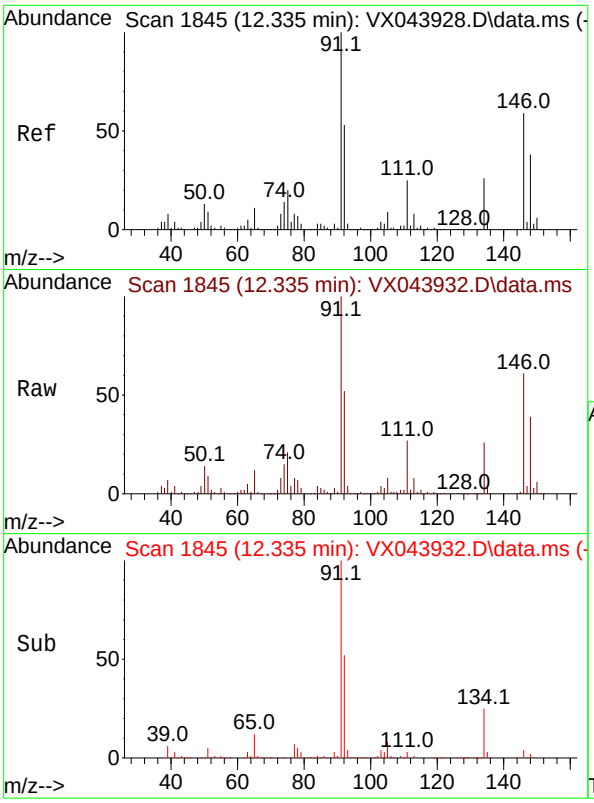




#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.2 | 32.4 | 97.0 |






#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

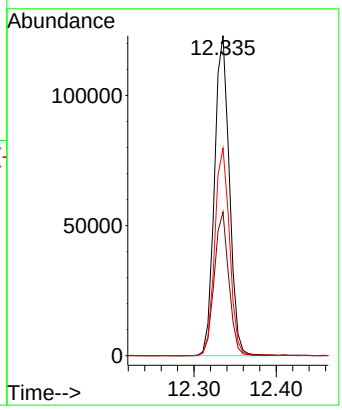
**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

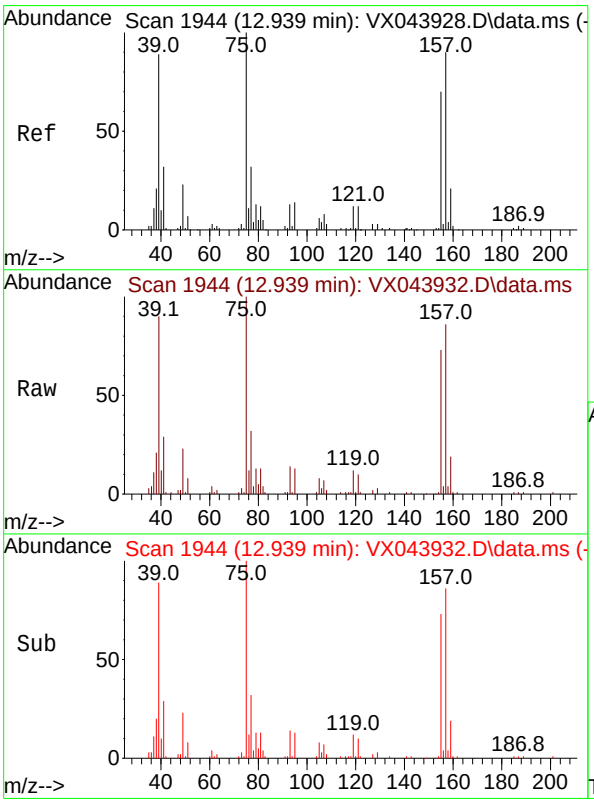
Tgt Ion:146 Resp: 15498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 21.5 | 64.5 |
| 148 | 64.3 | 31.9 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

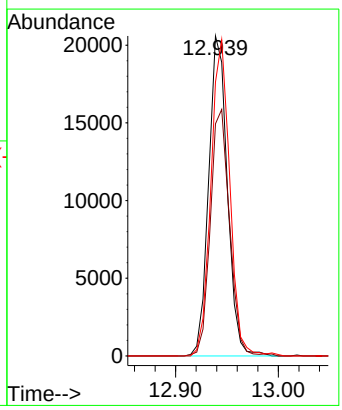


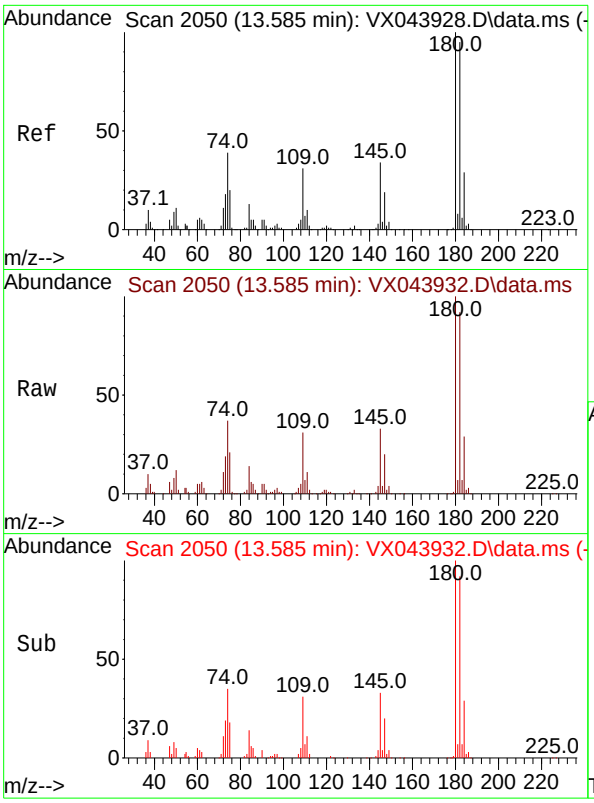




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.4 | 40.1 | 120.2 |
| 157 | 99.8 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

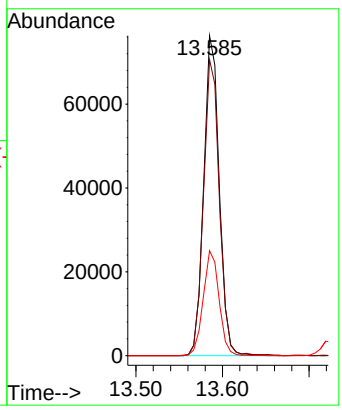
Tgt Ion:180 Resp: 9489

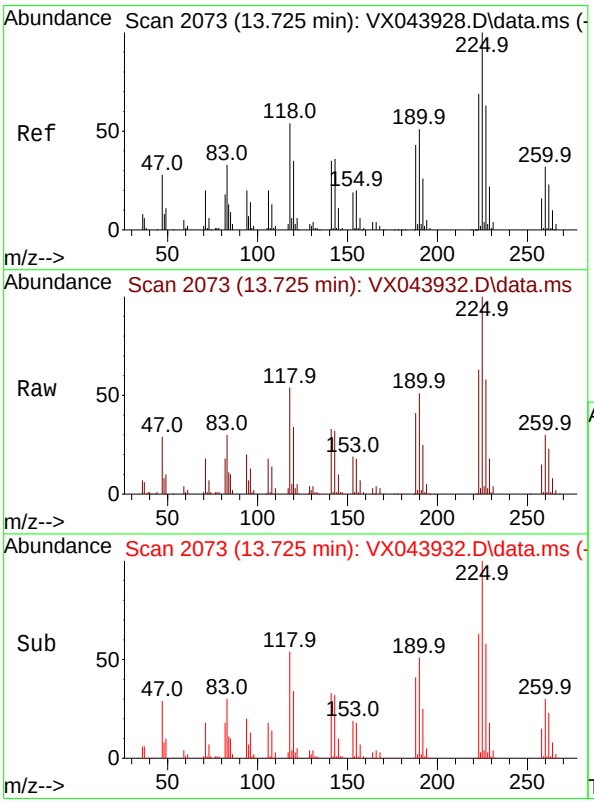
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 48.0 | 144.2 |
| 145 | 33.6 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

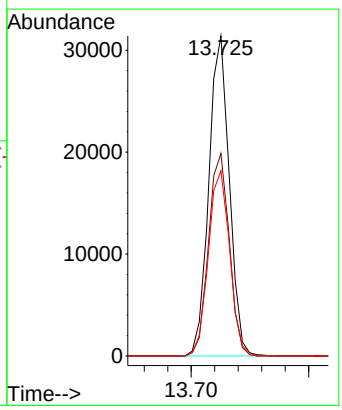


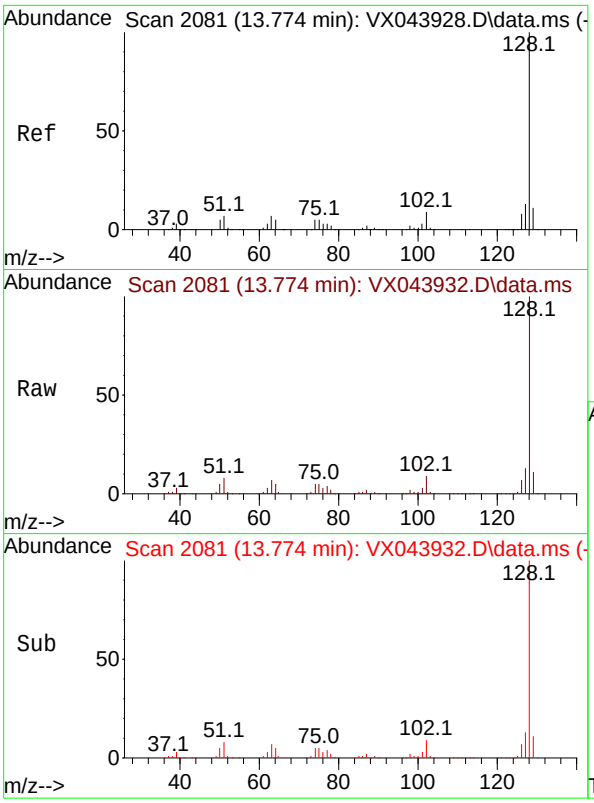




#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 32.9 | 98.6 |
| 227 | 60.3 | 31.6 | 94.8 |

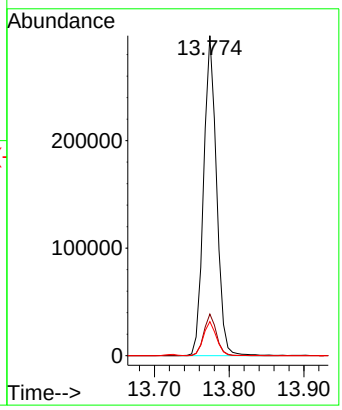





#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:128 Resp: 35772

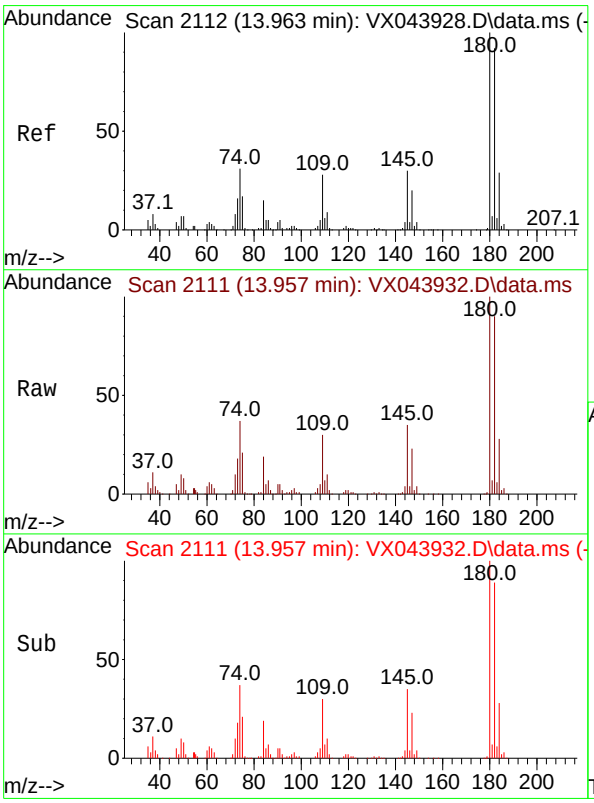
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

**Manual Integrations**
**APPROVED**

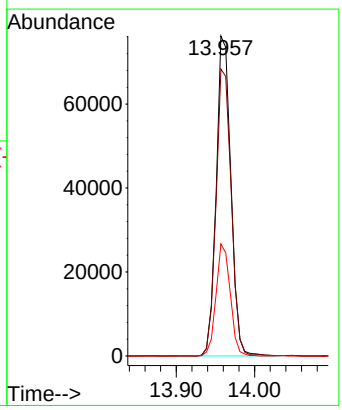
Reviewed By :John Carlone 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024




#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.9 | 45.6 | 136.8 |
| 145 | 33.9 | 16.4 | 49.4 |



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.633 | 0.640 | -1.1 | 89 | 0.00 |
| 3 | P | Chloromethane | 0.667 | 0.655 | 1.8 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 0.709 | 0.711 | -0.3# | 88 | 0.00 |
| 5 | T | Bromomethane | 0.436 | 0.410 | 6.0 | 87 | 0.00 |
| 6 | T | Chloroethane | 0.432 | 0.354 | 18.1 | 73 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.268 | 1.354 | -6.8 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 0.462 | 0.437 | 5.4 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.614 | -1.5 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.734 | 2.8 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.138 | 0.131 | 5.1 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.576 | 0.555 | 3.6# | 88 | 0.00 |
| 13 | T | Acrolein | 0.145 | 0.137 | 5.5 | 89 | 0.00 |
| 14 | T | Allyl chloride | 0.941 | 0.972 | -3.3 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 0.335 | 0.348 | -3.9 | 89 | 0.00 |
| 16 | T | Acetone | 0.394 | 0.393 | 0.3 | 88 | 0.00 |
| 17 | T | Carbon Disulfide | 1.188 | 1.174 | 1.2 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 0.917 | 0.929 | -1.3 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.092 | 2.100 | -0.4 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 0.668 | 0.628 | 6.0 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.595 | 0.585 | 1.7 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 2.013 | 2.018 | -0.2 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 1.722 | 1.815 | -5.4 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.161 | 1.172 | -0.9 | 88 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.532 | -4.7 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.049 | 1.098 | -4.7 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.735 | 0.725 | 1.4 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.480 | 6.1 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.312 | 0.317 | -1.6 | 89 | 0.00 |
| 30 | C | Chloroform | 1.249 | 1.246 | 0.2# | 90 | 0.00 |
| 31 | T | Cyclohexane | 0.956 | 0.980 | -2.5 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.106 | -2.7 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.858 | 0.861 | -0.3 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.357 | 0.375 | -5.0 | 109 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.474 | -6.5 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.582 | -5.2 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.518 | -3.6 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 0.578 | 0.619 | -7.1 | 89 | 0.00 |
| 40 | TM | Benzene | 1.387 | 1.394 | -0.5 | 88 | 0.00 |
| 41 | T | Methacrylonitrile | 0.283 | 0.305 | -7.8 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.557 | 0.562 | -0.9 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.880 | 0.905 | -2.8 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 0.393 | 0.350 | 10.9 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.340 | 0.325 | 4.4# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.272 | -1.1 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 0.482 | 0.507 | -5.2 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 0.422 | 0.441 | -4.5 | 90 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 79 | 0.00 |
| 50 | S | Toluene-d8 | 1.232 | 1.262 | -2.4 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.537 | 0.570 | -6.1 | 89 | 0.00 |
| 52 | CM | Toluene | 0.830 | 0.855 | -3.0# | 88 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.491 | 0.522 | -6.3 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.539 | 0.562 | -4.3 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.343 | 0.0 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.534 | 0.567 | -6.2 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.577 | 0.588 | -1.9 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.273 | 0.275 | -0.7 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.441 | -9.4 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.344 | 0.361 | -4.9 | 87 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.346 | 0.363 | -4.9 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.419 | 0.453 | -8.1 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.330 | 0.332 | -0.6 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 1.098 | 1.056 | 3.8 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.356 | 0.374 | -5.1 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.861 | 1.898 | -2.0# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 0.694 | 0.712 | -2.6 | 87 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.696 | -2.7 | 86 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.159 | -3.4 | 86 | 0.00 |
| 71 | P | Bromoform | 0.240 | 0.256 | -6.7 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 3.843 | 3.784 | 1.5 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 1.780 | 1.831 | -2.9 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.316 | 1.299 | 1.3 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.096 | 1.096 | 0.0 | 89 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.882 | 3.8 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 4.293 | 4.349 | -1.3 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.714 | 2.581 | 4.9 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.162 | 3.171 | -0.3 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.402 | 0.400 | 0.5 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.064 | 2.982 | 2.7 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.134 | 3.144 | -0.3 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.148 | 3.174 | -0.8 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.840 | 3.864 | -0.6 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.119 | 3.213 | -3.0 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.670 | 1.587 | 5.0 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.702 | 1.611 | 5.3 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 2.750 | 2.861 | -4.0 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.530 | 0.531 | -0.2 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.685 | 1.606 | 4.7 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.269 | -1.9 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.994 | 0.983 | 1.1 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.393 | 0.393 | 0.0 | 92 | 0.00 |
| 95 | T | Naphthalene | 3.576 | 3.707 | -3.7 | 89 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.031 | -2.5 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.537 | -1.1 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.100 | 1.8 | 89 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.118 | -0.2# | 88 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.040 | 5.9 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 40.921 | 18.2 | 73 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.407 | -6.8 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 47.345 | 5.3 | 87 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.762 | -1.5 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.614 | 2.8 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 238.127 | 4.7 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.192 | 3.6# | 88 | 0.00 |
| 13 | T | Acrolein | 250.000 | 235.500 | 5.8 | 89 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.610 | -3.2 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 259.090 | -3.6 | 89 | 0.00 |
| 16 | T | Acetone | 250.000 | 249.676 | 0.1 | 88 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.375 | 1.3 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.643 | -1.3 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.186 | -0.4 | 88 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.954 | 6.1 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.179 | 1.6 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.132 | -0.3 | 88 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 263.441 | -5.4 | 88 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.466 | -0.9 | 88 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 261.804 | -4.7 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 52.343 | -4.7 | 91 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.326 | 1.3 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.920 | 6.2 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 254.585 | -1.8 | 89 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.891 | 0.2# | 90 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.278 | -2.6 | 89 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.320 | -2.6 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.183 | -0.4 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.442 | -4.9 | 109 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.218 | -6.4 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.656 | -5.3 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.786 | -3.6 | 88 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.489 | -7.0 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.257 | -0.5 | 88 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.851 | -7.7 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.421 | -0.8 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.469 | -2.9 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 44.554 | 10.9 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 47.811 | 4.4# | 83 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.662 | -1.3 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.648 | -5.3 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.284 | -4.6 | 90 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 905.506 | 9.4 | 79 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.234 | -2.5 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 265.520 | -6.2 | 89 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.507 | -3.0# | 88 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.077 | -6.2 | 87 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.205 | -4.4 | 87 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.069 | -0.1 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.118 | -6.2 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.945 | -1.9 | 89 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 235.230 | 5.9 | 85 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.011 | -9.2 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.557 | -5.1 | 87 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.367 | -4.7 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.987 | -8.0 | 111 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 50.396 | -0.8 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.094 | 3.8 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.515 | -5.0 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.991 | -2.0# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.572 | -2.6 | 87 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.396 | -2.8 | 86 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.728 | -3.5 | 86 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.449 | 5.1 | 84 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.222 | 1.6 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.406 | -2.8 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.356 | 1.3 | 90 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.973 | 0.1 | 89 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.081 | 3.8 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.652 | -1.3 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.551 | 4.9 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.134 | -0.3 | 89 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.756 | 0.5 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.652 | 2.7 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.165 | -0.3 | 88 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.410 | -0.8 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.307 | -0.6 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.511 | -3.0 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.529 | 4.9 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.306 | 5.4 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.020 | -4.0 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.050 | -0.1 | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.656 | 4.7 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.030 | -2.1 | 91 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.495 | 1.0 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.065 | -0.1 | 92 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.831 | -3.7 | 89 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.246 | -2.5 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043948.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/21/2024 20:18

Lab File ID: VX043948.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chloromethane | 0.667 | 0.697 | 0.1 | 4.5 | 50 |
| Vinyl Chloride | 0.709 | 0.706 | | -0.42 | 50 |
| Bromomethane | 0.436 | 0.421 | | -3.44 | 50 |
| Chloroethane | 0.432 | 0.403 | | -6.71 | 50 |
| Trichlorofluoromethane | 1.268 | 1.142 | | -9.94 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.548 | | -9.42 | 50 |
| 1,1-Dichloroethene | 0.576 | 0.550 | | -4.51 | 50 |
| Acetone | 0.394 | 0.312 | | -20.81 | 50 |
| Carbon Disulfide | 1.188 | 1.054 | | -11.28 | 50 |
| Methyl tert-butyl Ether | 2.092 | 2.128 | | 1.72 | 50 |
| Methylene Chloride | 0.668 | 0.639 | | -4.34 | 50 |
| trans-1,2-Dichloroethene | 0.595 | 0.587 | | -1.35 | 50 |
| 1,1-Dichloroethane | 1.161 | 1.175 | 0.1 | 1.21 | 50 |
| 2-Butanone | 0.508 | 0.482 | | -5.12 | 50 |
| Carbon Tetrachloride | 0.500 | 0.458 | | -8.4 | 50 |
| cis-1,2-Dichloroethene | 0.735 | 0.740 | | 0.68 | 50 |
| Chloroform | 1.249 | 1.251 | | 0.16 | 50 |
| 1,1,1-Trichloroethane | 1.077 | 1.078 | | 0.09 | 50 |
| Methylcyclohexane | 0.578 | 0.507 | | -12.28 | 50 |
| Benzene | 1.387 | 1.328 | | -4.25 | 50 |
| 1,2-Dichloroethane | 0.557 | 0.528 | | -5.21 | 50 |
| Trichloroethene | 0.393 | 0.327 | | -16.79 | 50 |
| 1,2-Dichloropropane | 0.340 | 0.333 | | -2.06 | 50 |
| Bromodichloromethane | 0.482 | 0.468 | | -2.9 | 50 |
| 4-Methyl-2-Pentanone | 0.537 | 0.526 | | -2.05 | 50 |
| Toluene | 0.830 | 0.807 | | -2.77 | 50 |
| t-1,3-Dichloropropene | 0.491 | 0.468 | | -4.68 | 50 |
| cis-1,3-Dichloropropene | 0.539 | 0.513 | | -4.82 | 50 |
| 1,1,2-Trichloroethane | 0.343 | 0.325 | | -5.25 | 50 |
| 2-Hexanone | 0.403 | 0.387 | | -3.97 | 50 |
| Dibromochloromethane | 0.344 | 0.326 | | -5.23 | 50 |
| Tetrachloroethene | 0.330 | 0.303 | | -8.18 | 50 |
| Chlorobenzene | 1.098 | 1.042 | 0.3 | -5.1 | 50 |
| Ethyl Benzene | 1.861 | 1.802 | | -3.17 | 50 |
| m/p-Xylenes | 0.694 | 0.662 | | -4.61 | 50 |
| o-Xylene | 0.678 | 0.664 | | -2.07 | 50 |
| Styrene | 1.121 | 1.112 | | -0.8 | 50 |
| Bromoform | 0.240 | 0.231 | 0.1 | -3.75 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX043948.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/21/2024 20:18

Lab File ID: VX043948.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Isopropylbenzene | 3.843 | 3.715 | | -3.33 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.316 | 1.276 | 0.3 | -3.04 | 50 |
| 1,3-Dichlorobenzene | 1.670 | 1.554 | | -6.95 | 50 |
| 1,4-Dichlorobenzene | 1.702 | 1.549 | | -8.99 | 50 |
| 1,2-Dichlorobenzene | 1.685 | 1.619 | | -3.92 | 50 |
| 1,2-Dichloroethane-d4 | 0.858 | 0.898 | | 4.66 | 50 |
| Dibromofluoromethane | 0.357 | 0.357 | | 0 | 50 |
| Toluene-d8 | 1.232 | 1.228 | | -0.32 | 50 |
| 4-Bromofluorobenzene | 0.419 | 0.423 | | 0.95 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 125909 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 235228 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 199397 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 92487 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 113011 | 52.331 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.660% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 83978 | 49.962 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.920% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 288863 | 49.856 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.720% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 99417 | 50.418 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 76410 | 47.904 | ug/l | 96 |
| 3) Chloromethane | 1.295 | 50 | 87713 | 52.257 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 88832 | 49.757 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 53034 | 48.287 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 50804 | 46.701 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 143736 | 45.031 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 56319 | 48.410 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 68994 | 45.315 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 95346 | 50.141 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.995 | 59 | 82566 | 238.198 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 69293 | 47.761 | ug/l | 92 |
| 13) Acrolein | 2.233 | 56 | 94661 | 259.090 | ug/l | 95 |
| 14) Allyl chloride | 2.654 | 41 | 117658 | 49.631 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 213956 | 253.290 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 196628 | 198.241 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 132646 | 44.323 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 106984 | 46.317 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 267907 | 50.856 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 80434 | 47.787 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73874 | 49.318 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 257394 | 50.776 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 1070952 | 246.967 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 147908 | 50.577 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 303698 | 237.298 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 114088 | 43.198 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 93139 | 50.303 | ug/l | 96 |
| 28) Bromochloromethane | 4.898 | 49 | 60919 | 47.325 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 193564 | 246.701 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 157475 | 50.067 | ug/l | 96 |
| 31) Cyclohexane | 5.458 | 56 | 111126 | 46.170 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 135776 | 50.058 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 98493 | 47.024 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 115457 | 44.407 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 107796 | 45.803 | ug/l | 99 |
| 39) Methylcyclohexane | 7.379 | 83 | 119300 | 43.844 | ug/l | 93 |
| 40) Benzene | 6.032 | 78 | 312491 | 47.897 | ug/l | 97 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 64964 | 48.819 ug/l | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124156 | 47.383 ug/l | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 193221 | 46.698 ug/l | 99 |
| 44) Trichloroethene | 7.123 | 130 | 76959 | 41.669 ug/l | 91 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 78382 | 49.052 ug/l | 98 |
| 46) Dibromomethane | 7.580 | 93 | 62137 | 49.158 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 110061 | 48.549 ug/l | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 93500 | 47.093 ug/l | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 32557 | 920.558 ug/l | 89 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 618486 | 244.942 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 189861 | 48.620 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 110173 | 47.657 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 120614 | 47.592 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 76514 | 47.467 ug/l | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 124527 | 49.597 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 133219 | 49.060 ug/l | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 455259 | 239.878 ug/l | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 76616 | 47.372 ug/l | 96 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 81006 | 49.699 ug/l | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 60425 | 45.958 ug/l | 99 |
| 65) Chlorobenzene | 10.080 | 112 | 207688 | 47.425 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 71242 | 50.161 ug/l | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 359312 | 48.420 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 263950 | 95.380 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 132336 | 48.978 ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 221676 | 49.604 ug/l | 99 |
| 71) Bromoform | 10.799 | 173 | 46043 | 43.157 ug/l # | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 343545 | 48.323 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 157143 | 47.714 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 117970 | 48.461 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 99670m | 49.141 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 80285 | 47.340 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 384137 | 48.379 ug/l | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 238757 | 47.553 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 281466 | 48.122 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32581 | 43.834 ug/l | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 267563 | 47.202 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 279835 | 48.270 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 284559 | 48.867 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 331556 | 46.678 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 276997 | 48.009 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 143767 | 46.544 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 143294 | 45.502 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 236825 | 46.555 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 45136 | 46.006 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 149710 | 48.027 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22722 | 46.583 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 81352 | 44.267 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 30308 | 41.728 ug/l | 100 |
| 95) Naphthalene | 13.774 | 128 | 309000 | 46.709 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 87030 | 46.788 ug/l | 98 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

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

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

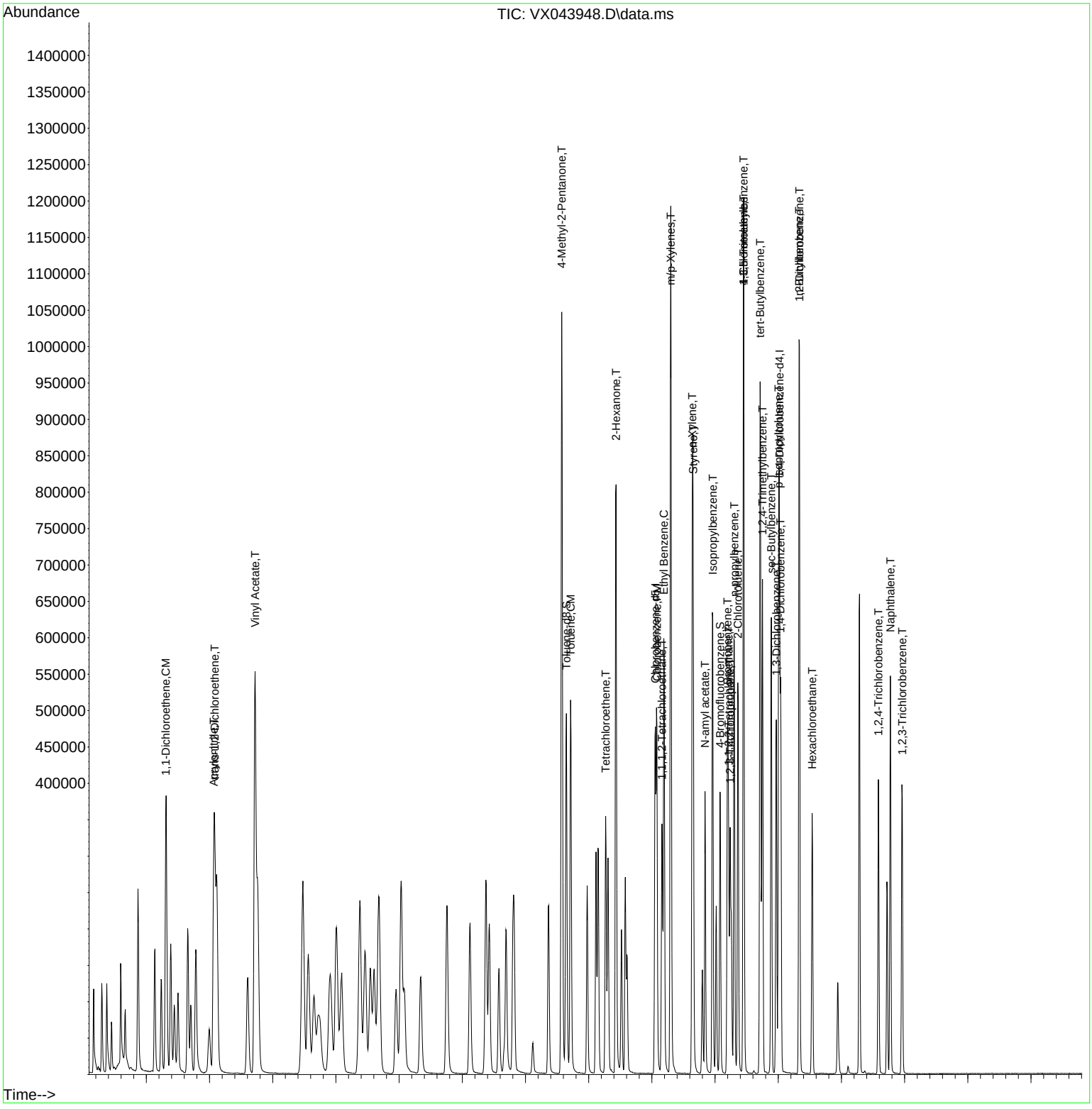
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

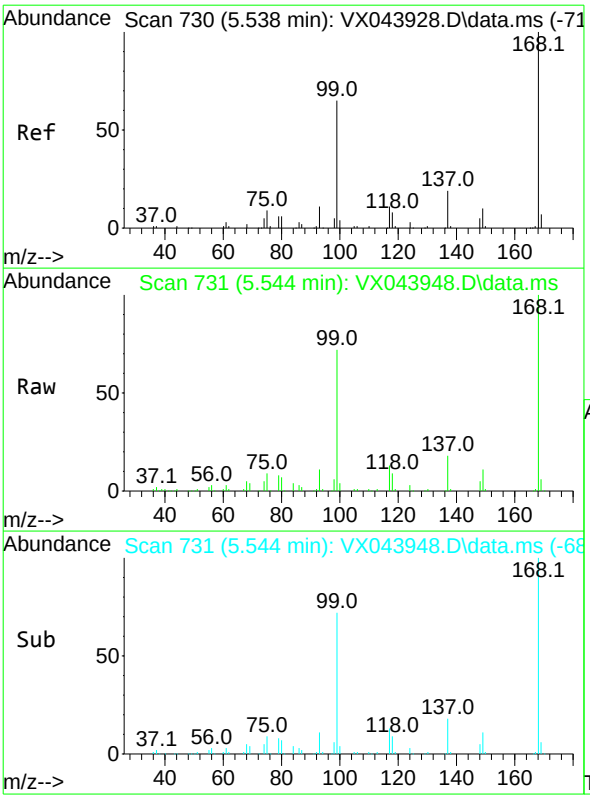
Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

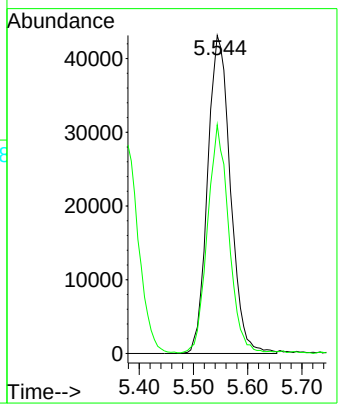





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:168 Resp: 125909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.7 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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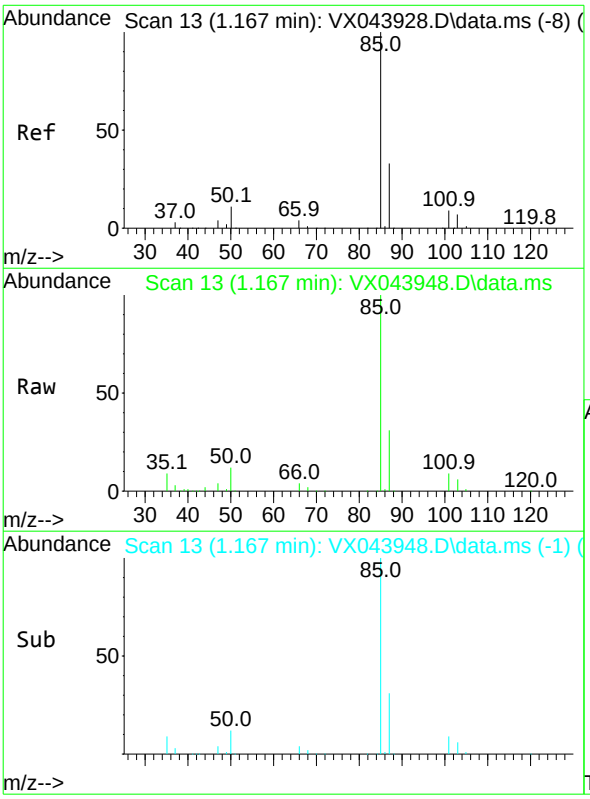
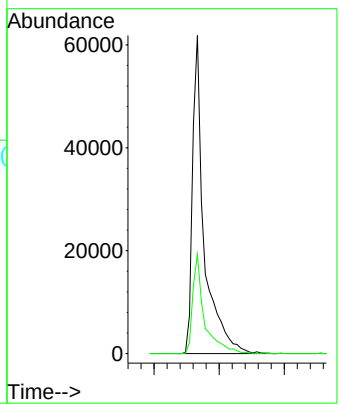
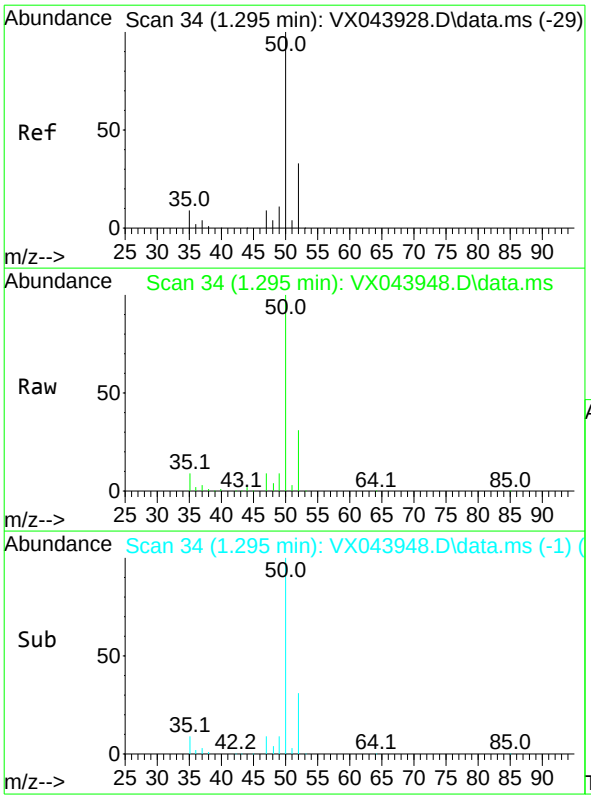



#2
Dichlorodifluoromethane
Concen: 47.904 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 85 Resp: 76410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.2 | 16.6 | 49.8 |

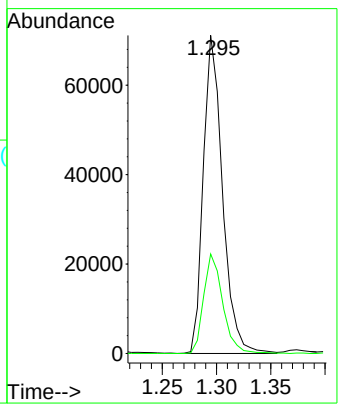





#3
Chloromethane
Concen: 52.257 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 50 Resp: 87713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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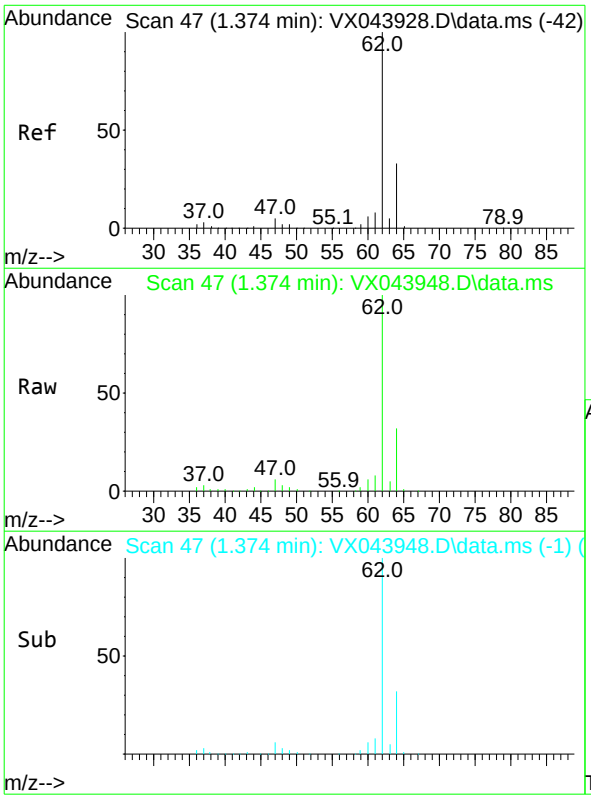
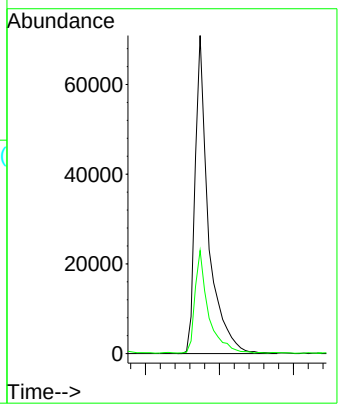
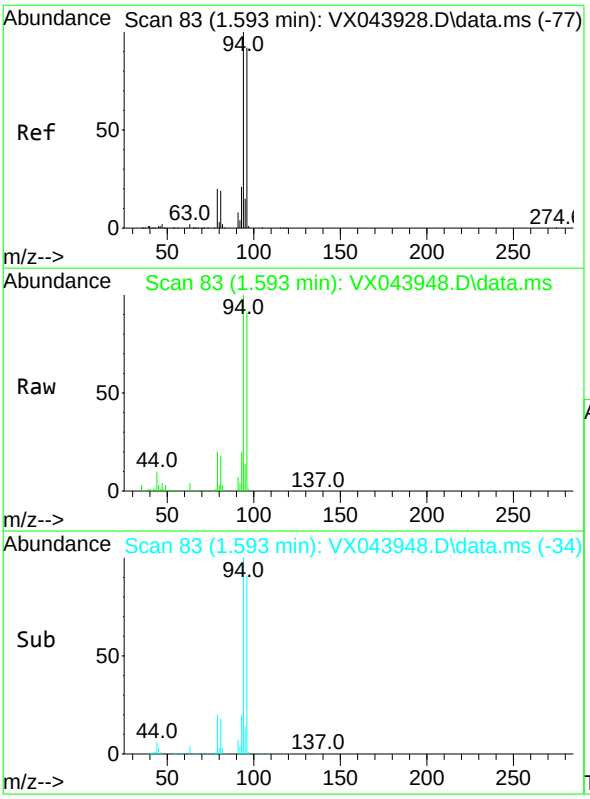



#4
Vinyl Chloride
Concen: 49.757 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 62 Resp: 88832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 26.2 | 39.4 |

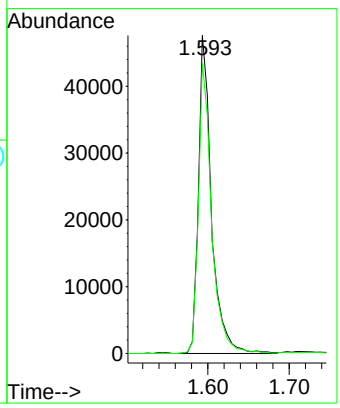





#5
Bromomethane
Concen: 48.287 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 94 Resp: 53034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.3 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

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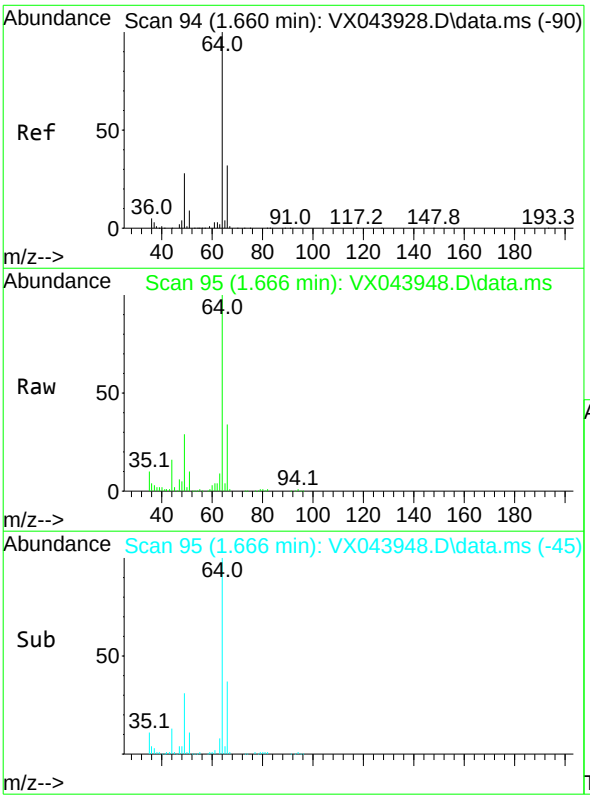
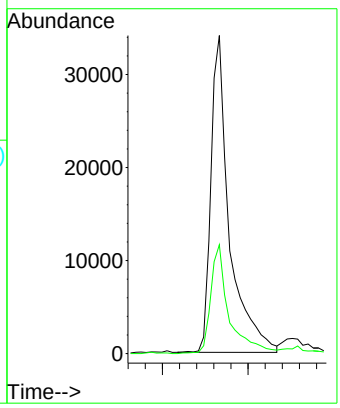
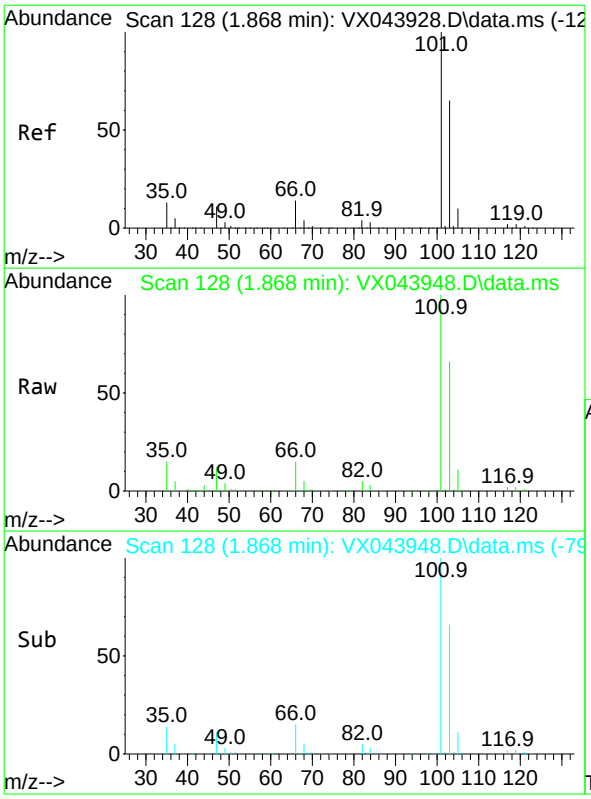



#6
Chloroethane
Concen: 46.701 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 64 Resp: 50804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.4 | 25.9 | 38.9 |

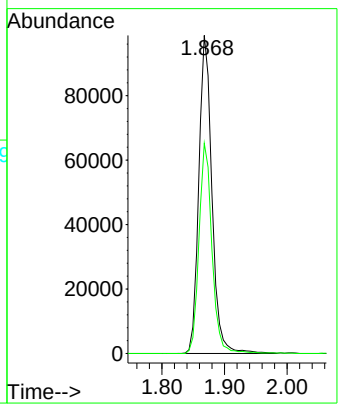





#7
Trichlorofluoromethane
Concen: 45.031 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:101 Resp: 143736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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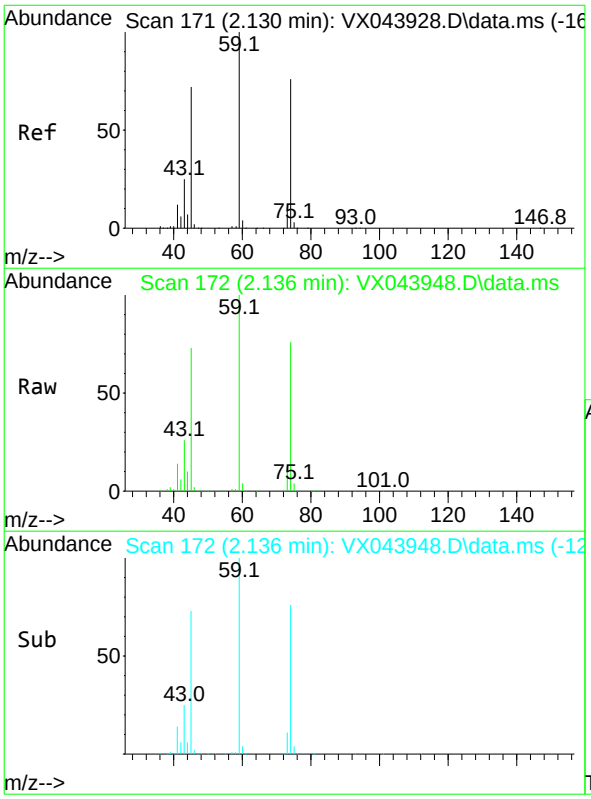
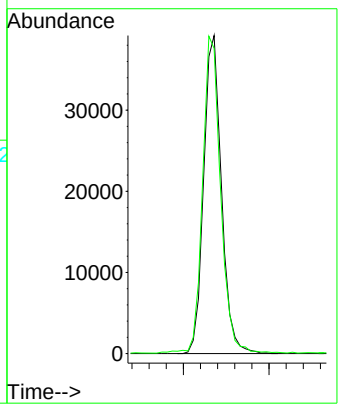
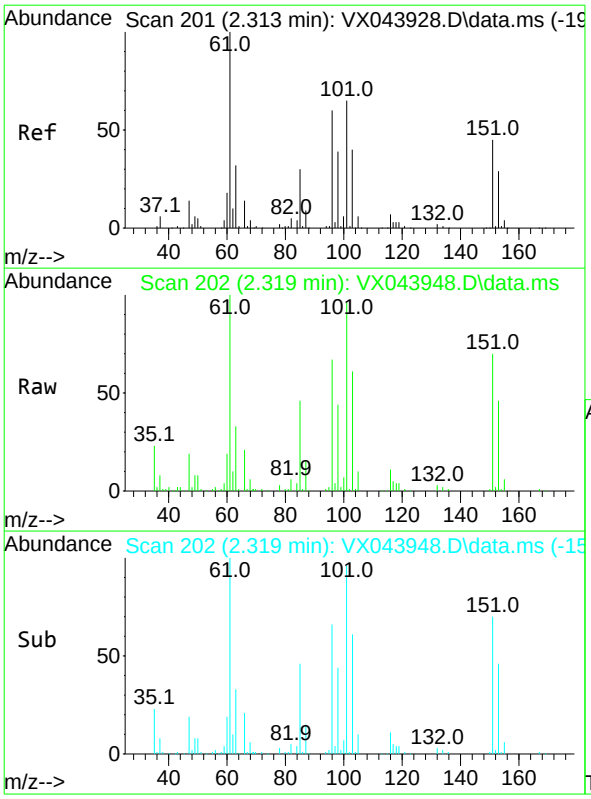



#8
Diethyl Ether
Concen: 48.410 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 74 Resp: 56319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.0 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.315 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:101 Resp: 68994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 37.9 | 56.9 |
| 151 | 73.1 | 57.5 | 86.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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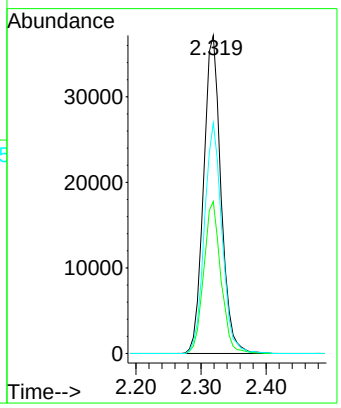
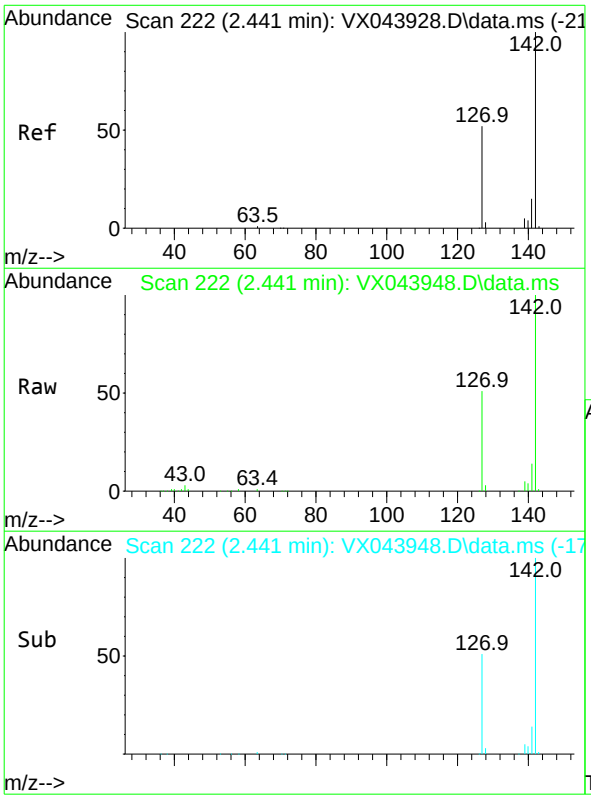
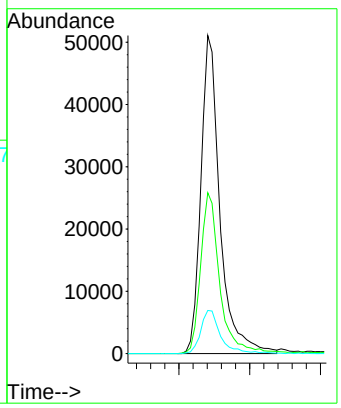


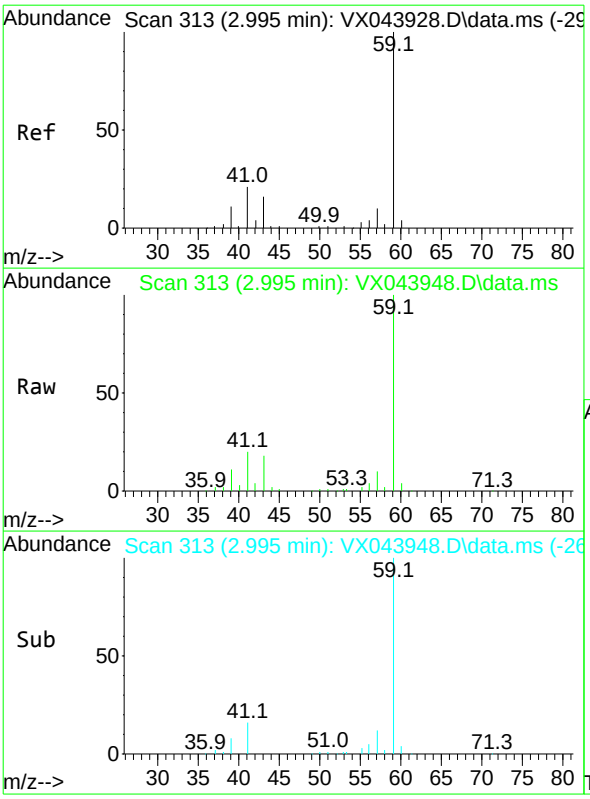




#10
Methyl Iodide
Concen: 50.141 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:142 Resp: 95346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.0 | 40.7 | 61.1 |
| 141 | 14.2 | 12.0 | 18.0 |






#11
Tert butyl alcohol
Concen: 238.198 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 59 Resp: 82566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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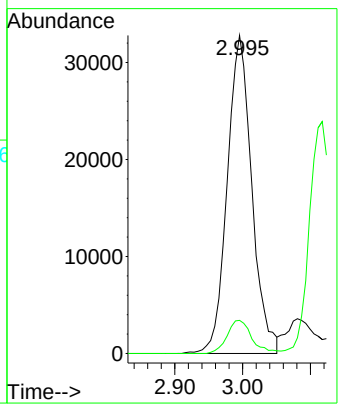
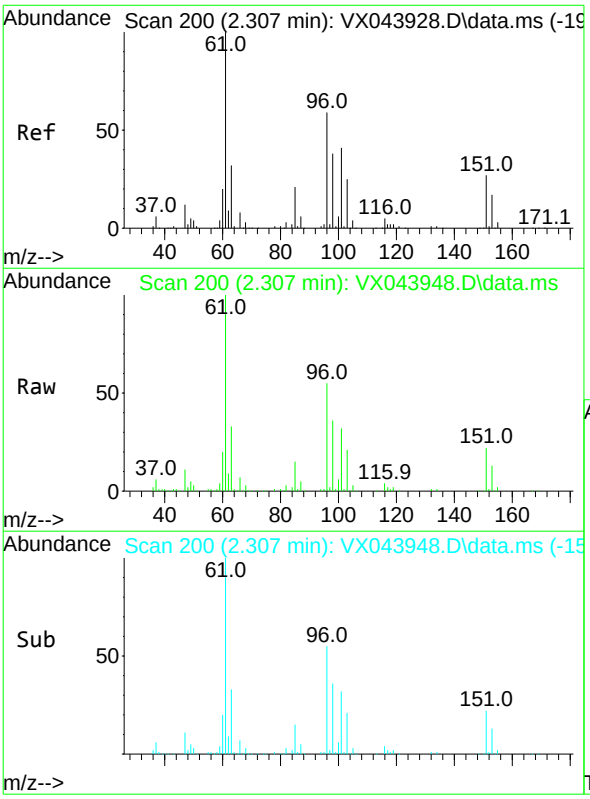
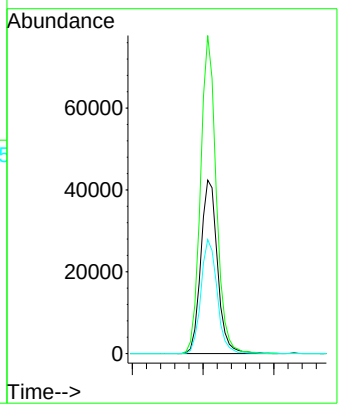


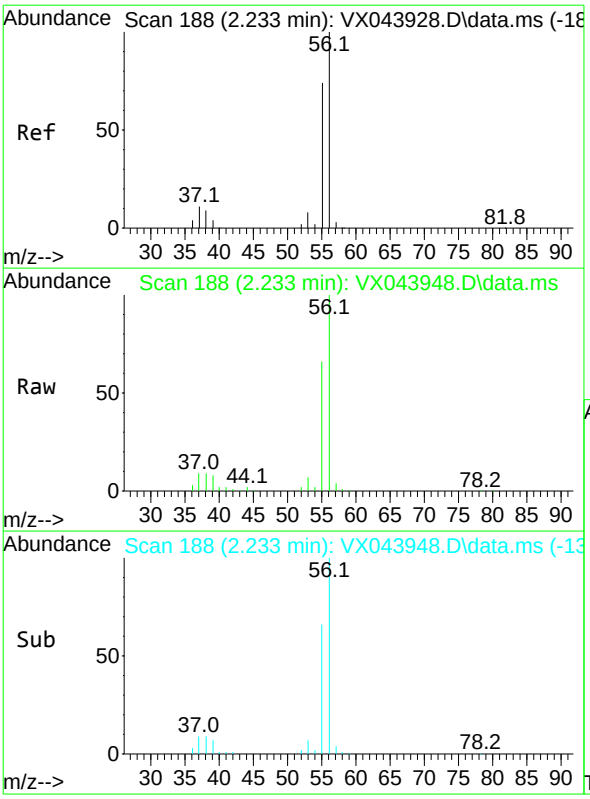




#12
1,1-Dichloroethene
Concen: 47.761 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 96 Resp: 69293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.4 | 135.5 | 203.3 |
| 98 | 65.7 | 50.8 | 76.2 |






#13
Acrolein
Concen: 259.090 ug/l
RT: 2.233 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 56 Resp: 94661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 58.2 | 87.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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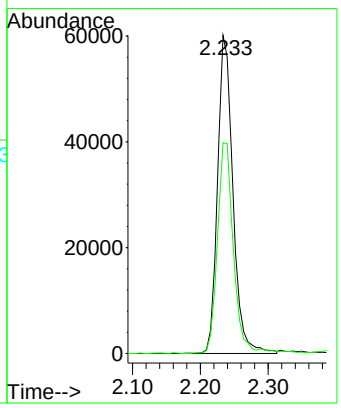
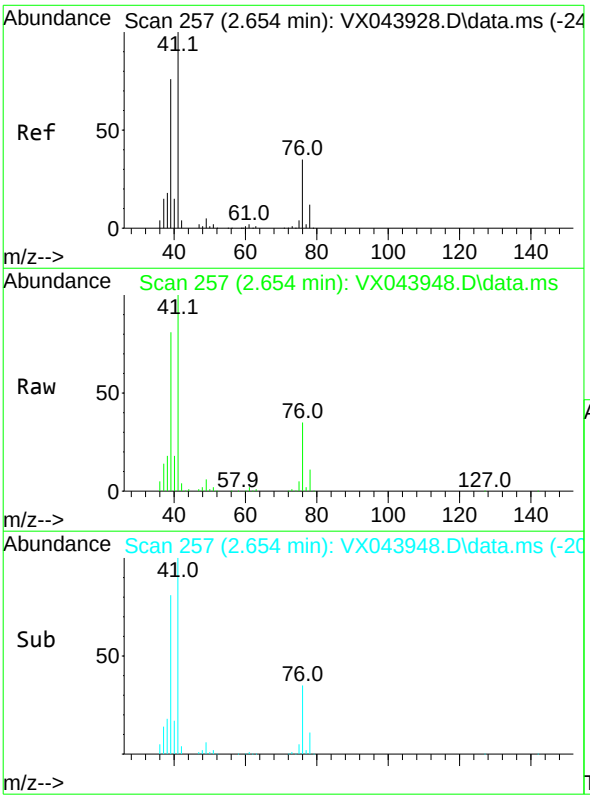
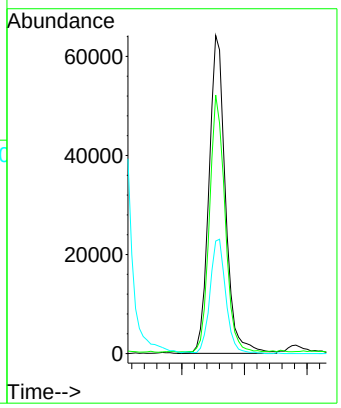


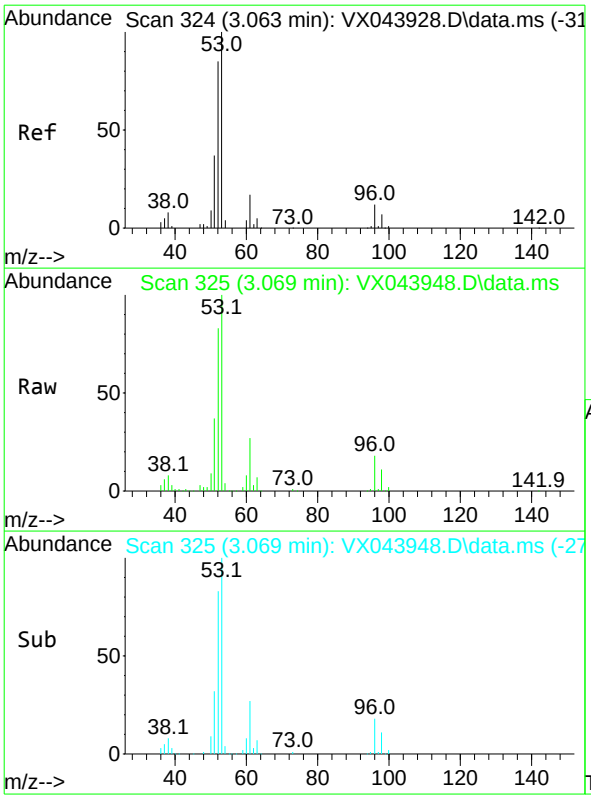




#14
Allyl chloride
Concen: 49.631 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 41 Resp: 117658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.4 | 59.5 | 89.3 |
| 76 | 34.4 | 27.4 | 41.2 |

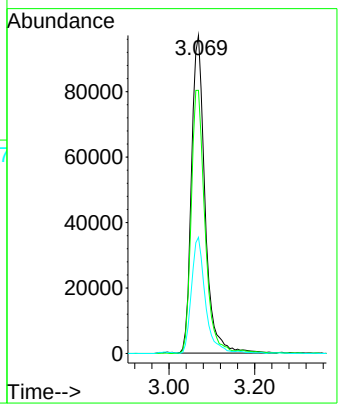





#15
Acrylonitrile
Concen: 253.290 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 53 Resp: 213956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.3 | 66.5 | 99.7 |
| 51 | 36.9 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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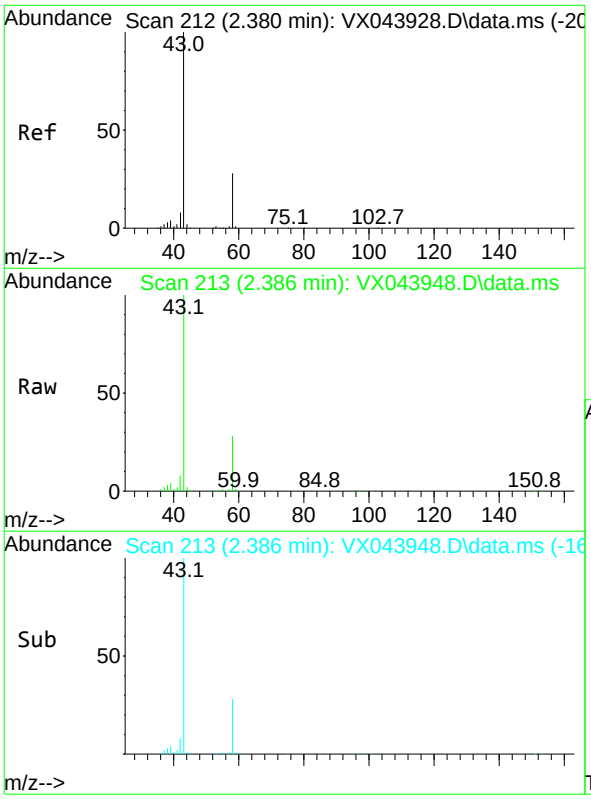
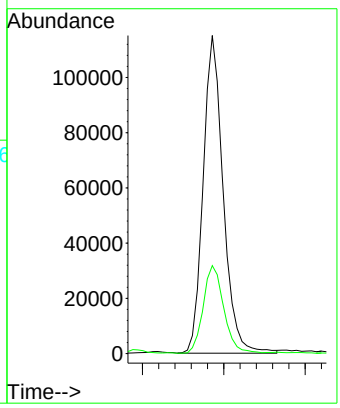
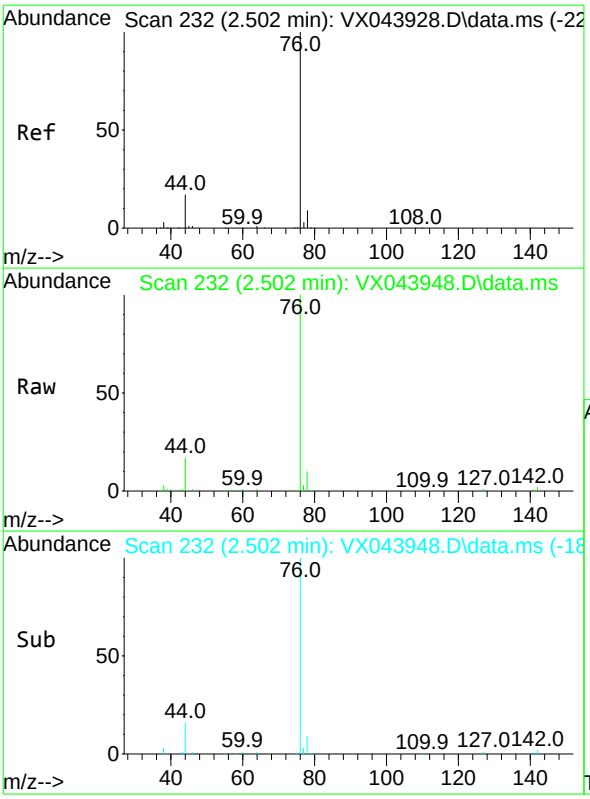



#16
Acetone
Concen: 198.241 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 196628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 44.323 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 76 Resp: 132646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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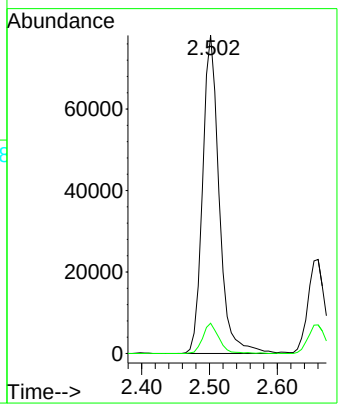
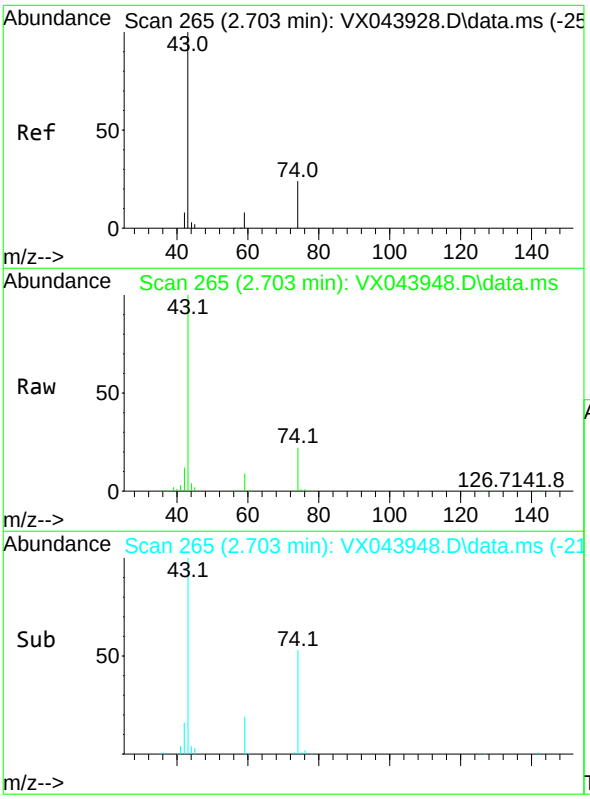
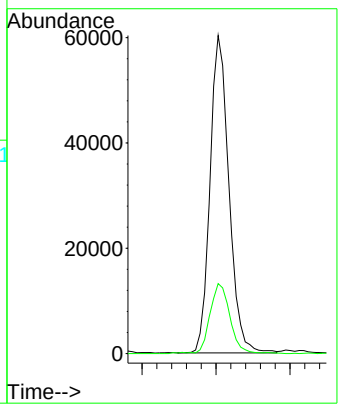


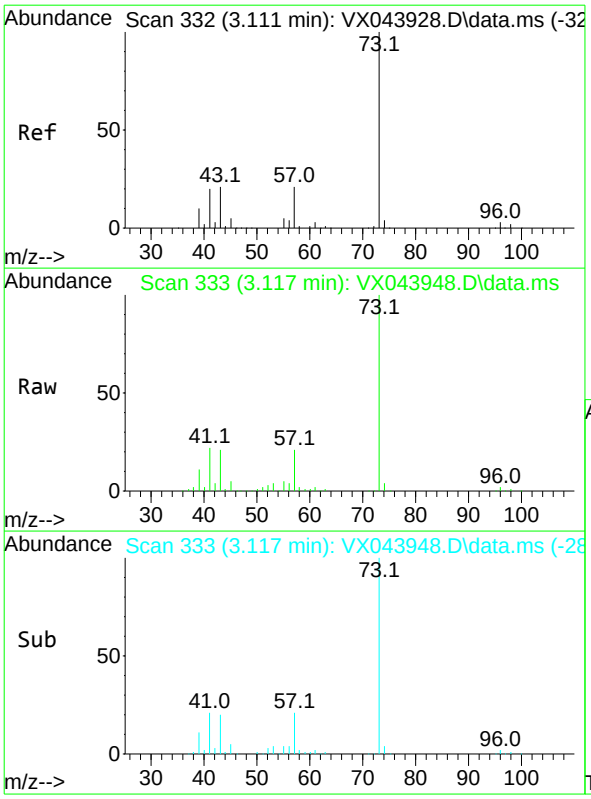




#18
Methyl Acetate
Concen: 46.317 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 106984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 18.9 | 28.3 |






#19
Methyl tert-butyl Ether
Concen: 50.856 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

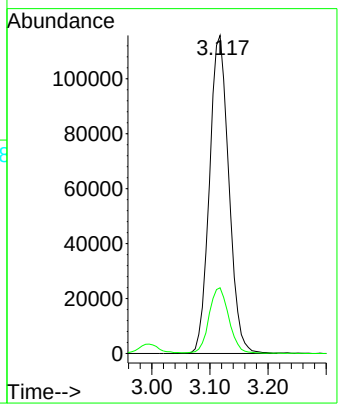
Tgt Ion: 73 Resp: 267907

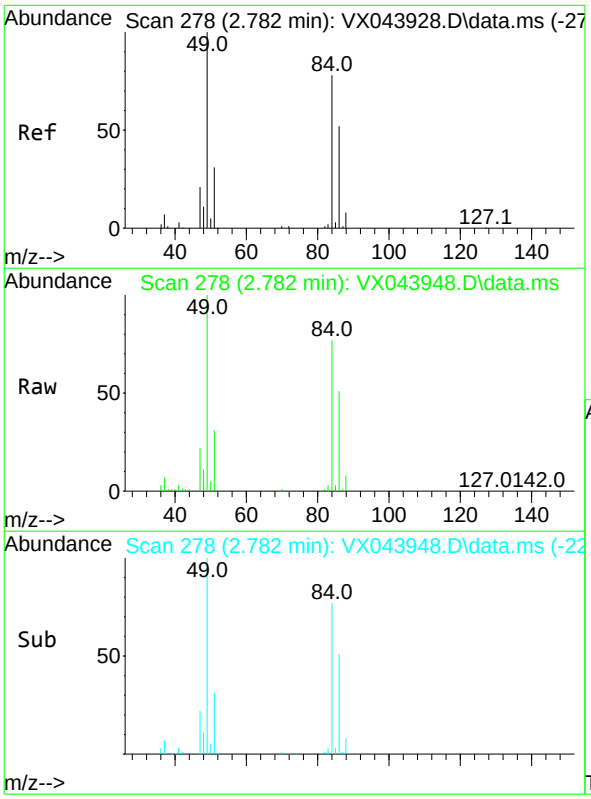
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.0 | 25.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

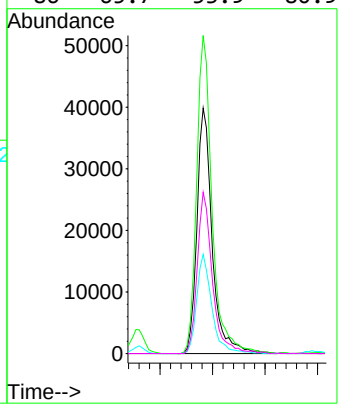


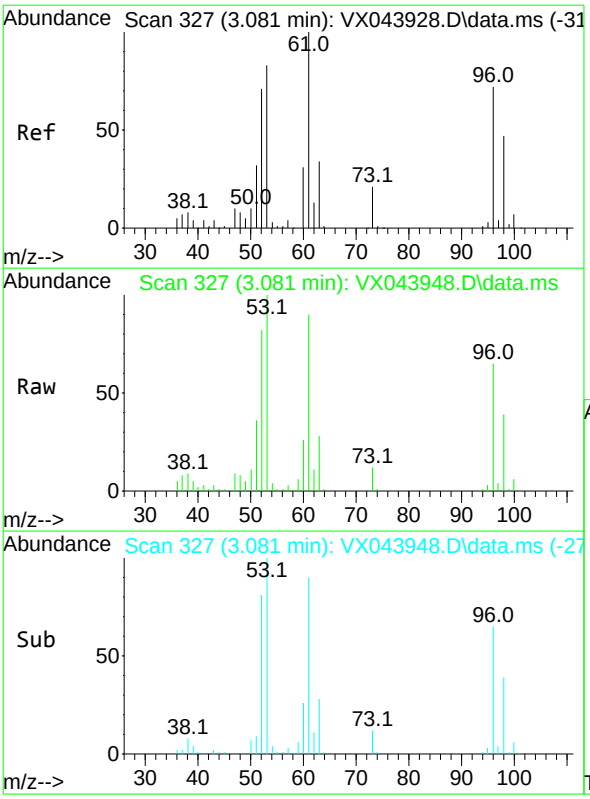




#20
Methylene Chloride
Concen: 47.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 84 Resp: 80434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.5 | 102.7 | 154.1 |
| 51 | 40.4 | 31.7 | 47.5 |
| 86 | 65.7 | 53.9 | 80.9 |

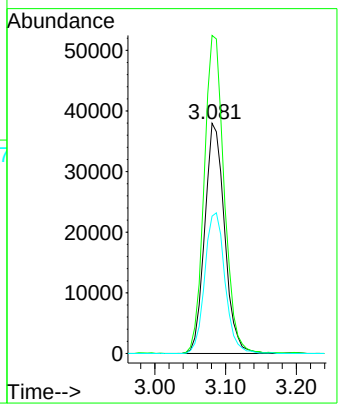





#21
trans-1,2-Dichloroethene
Concen: 49.318 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 96 Resp: 73874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.2 | 111.8 | 167.6 |
| 98 | 59.7 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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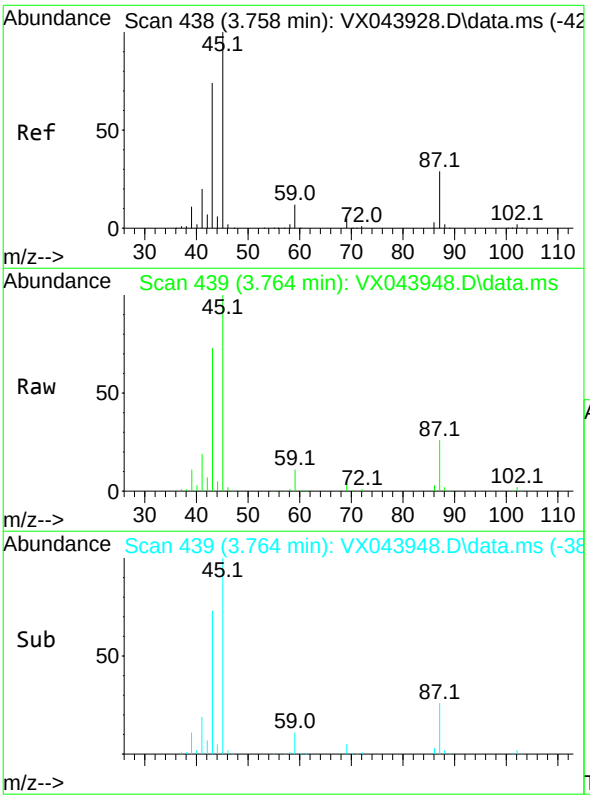
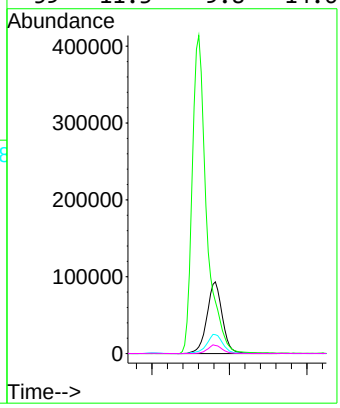
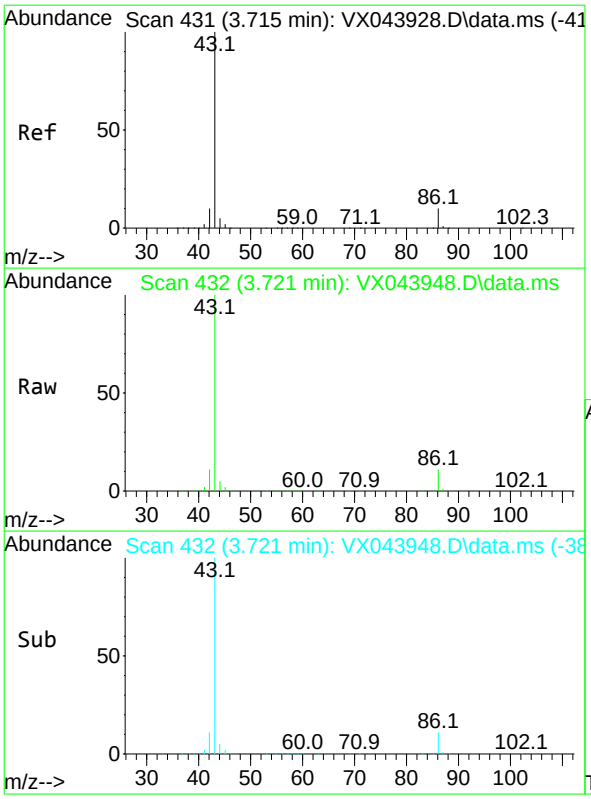



#22
Diisopropyl ether
Concen: 50.776 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 45 Resp: 257394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 72.7 | 59.6 | 89.4 |
| 87 | 26.3 | 22.9 | 34.3 |
| 59 | 11.3 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 246.967 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 1070952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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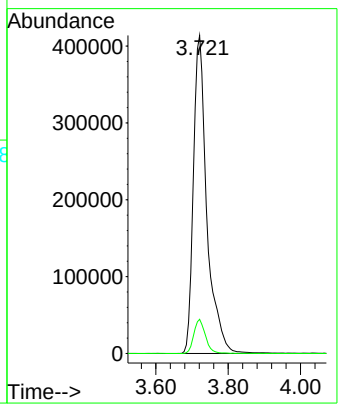
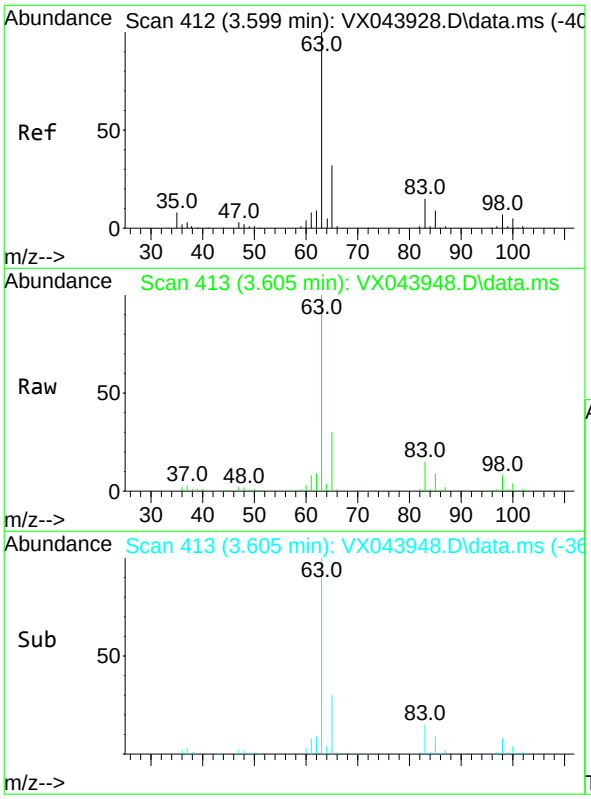
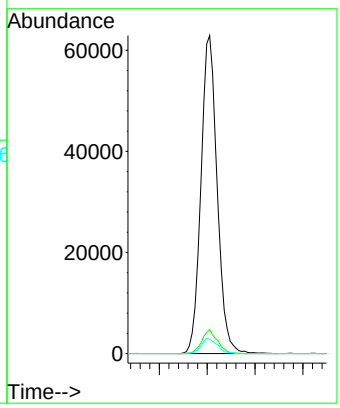


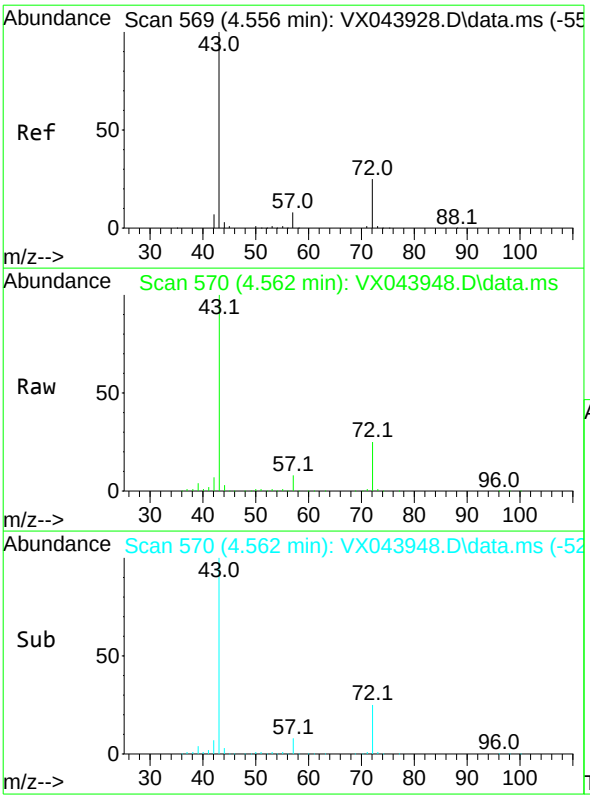




#24
1,1-Dichloroethane
Concen: 50.577 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 63 Resp: 147908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.5 | 10.6 |
| 100 | 4.5 | 2.4 | 7.1 |

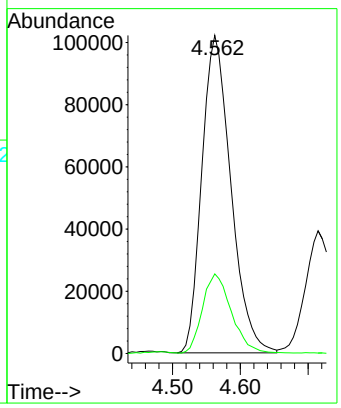





#25
2-Butanone
Concen: 237.298 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 303698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.9 | 20.2 | 30.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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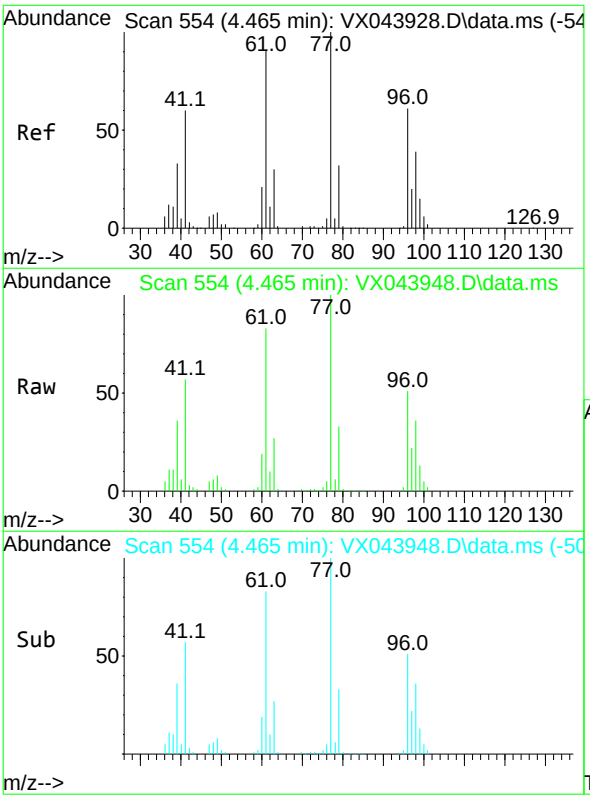
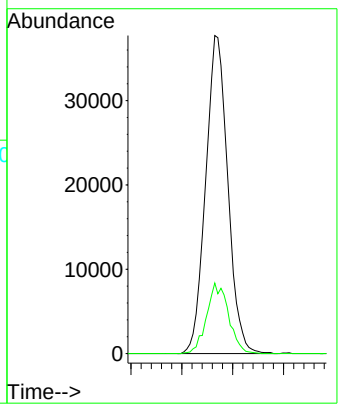
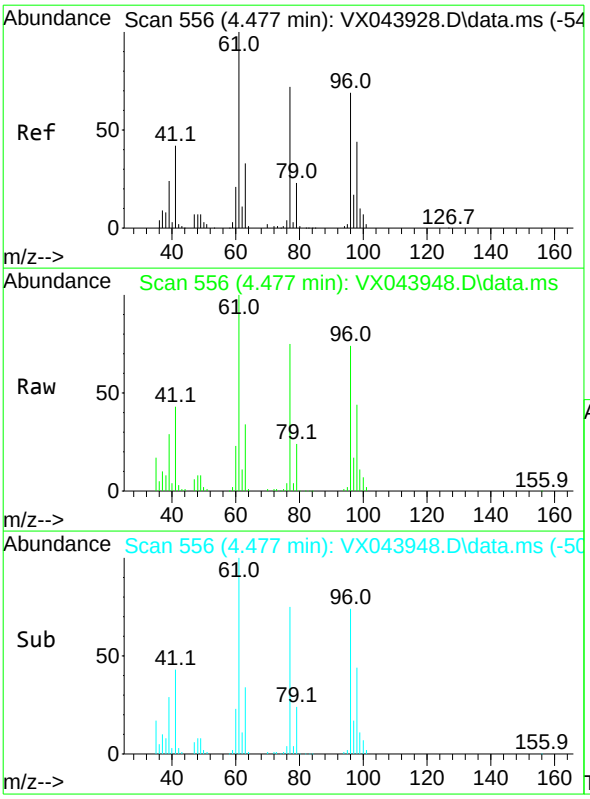



#26
2,2-Dichloropropane
Concen: 43.198 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 77 Resp: 114088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 10.8 | 32.3 |






#27
cis-1,2-Dichloroethene
Concen: 50.303 ug/l
RT: 4.477 min Scan# 55
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 96 Resp: 93139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.5 | 0.0 | 297.4 |
| 98 | 64.6 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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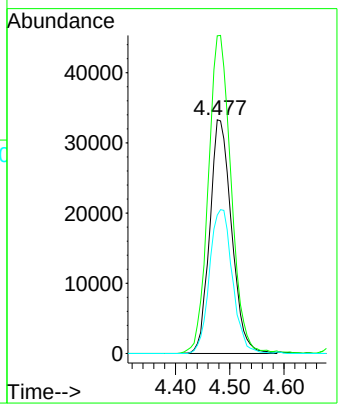
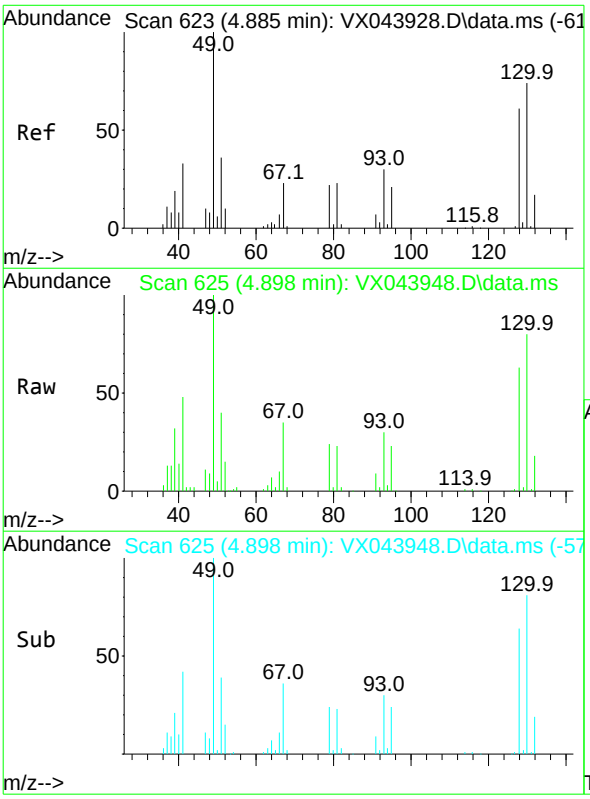
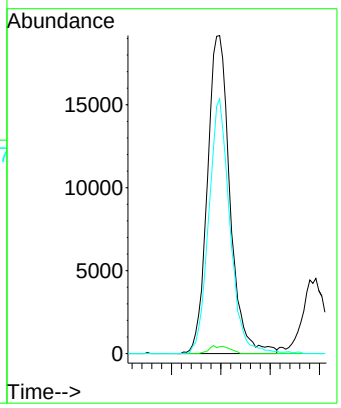


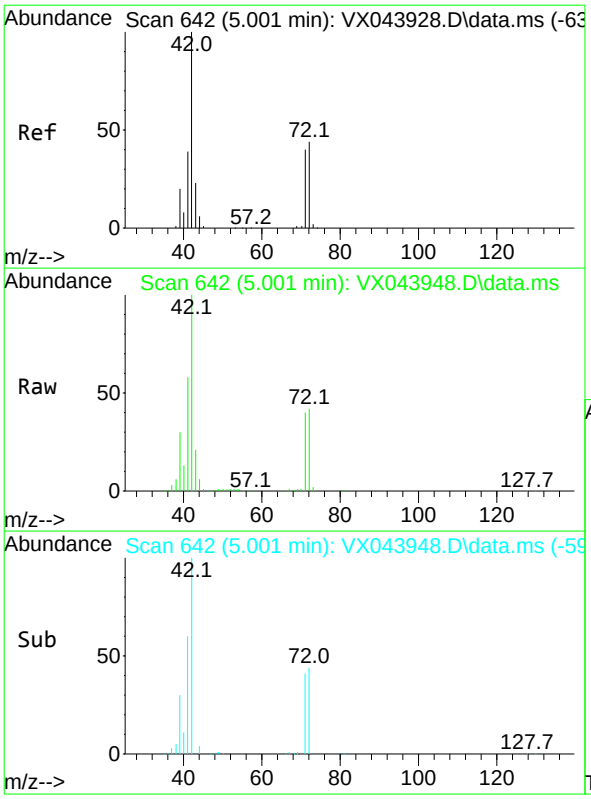




#28
Bromochloromethane
Concen: 47.325 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 49 Resp: 60919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.9 | 0.0 | 4.0 |
| 130 | 75.0 | 59.0 | 88.6 |






#29
Tetrahydrofuran
Concen: 246.701 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 42 Resp: 193564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 36.4 | 54.6 |
| 71 | 41.9 | 33.4 | 50.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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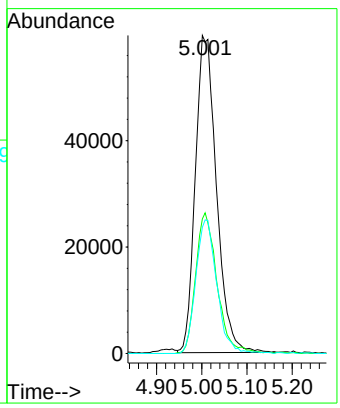
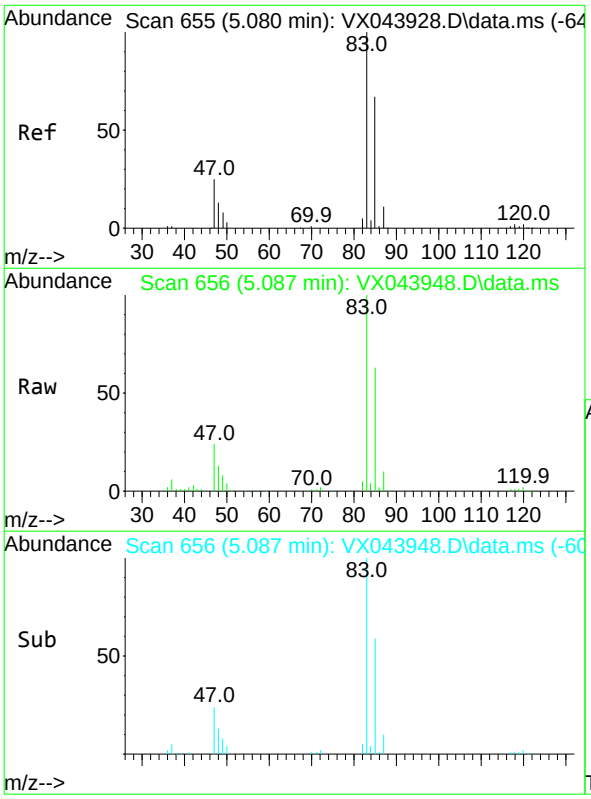
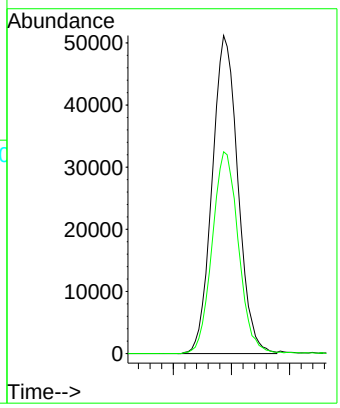


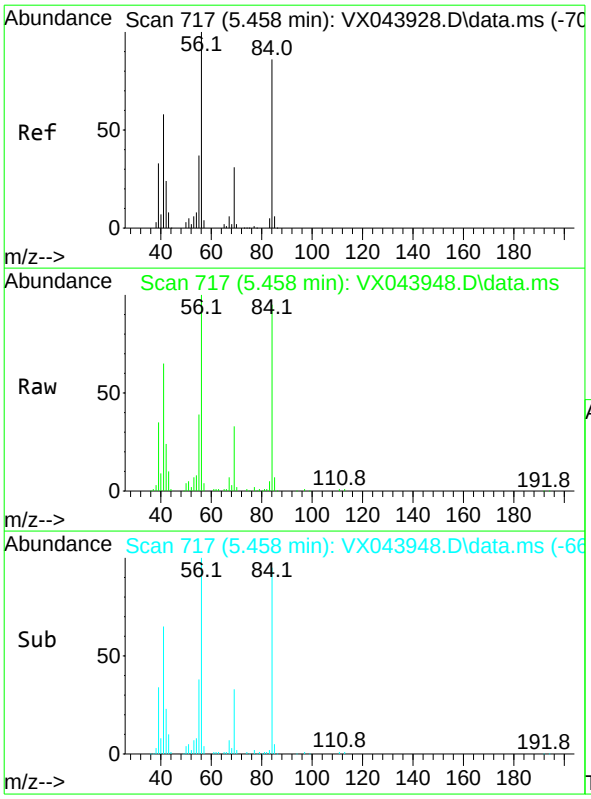




#30
Chloroform
Concen: 50.067 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 157475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 46.170 ug/l
RT: 5.458 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 56 Resp: 111126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.7 | 24.7 | 37.1 |
| 84 | 93.4 | 68.7 | 103.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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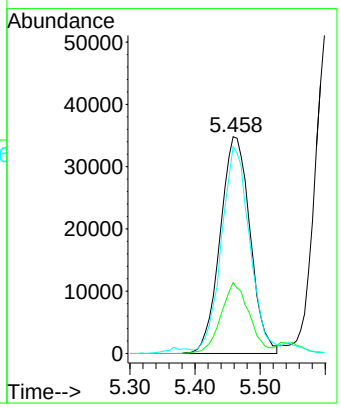
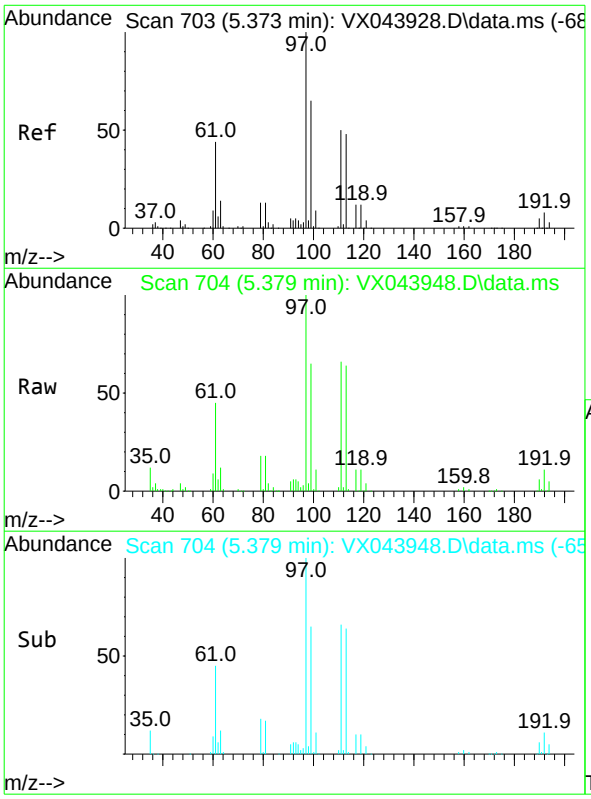
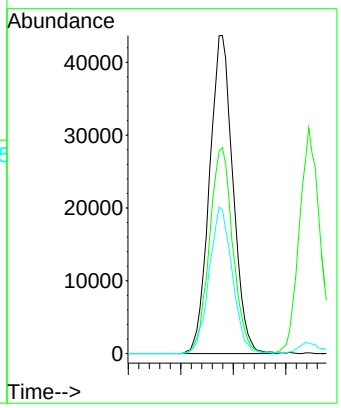


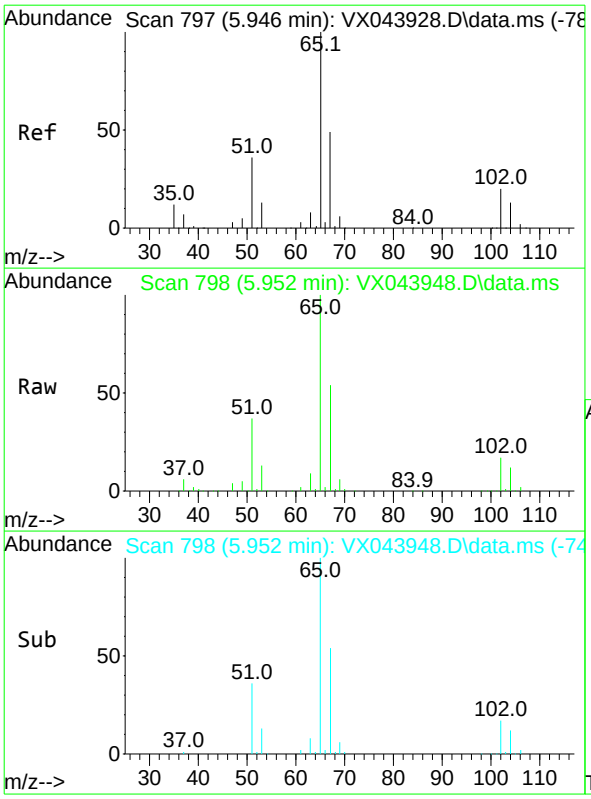




#32
1,1,1-Trichloroethane
Concen: 50.058 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 97 Resp: 135776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 45.4 | 35.4 | 53.2 |

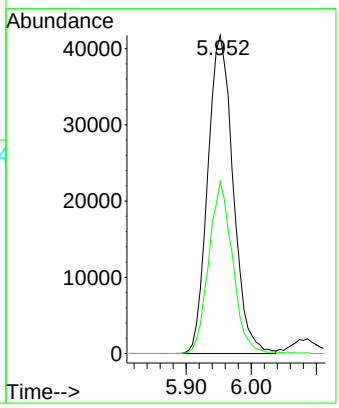





#33
1,2-Dichloroethane-d4
Concen: 52.331 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 65 Resp: 113011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 100.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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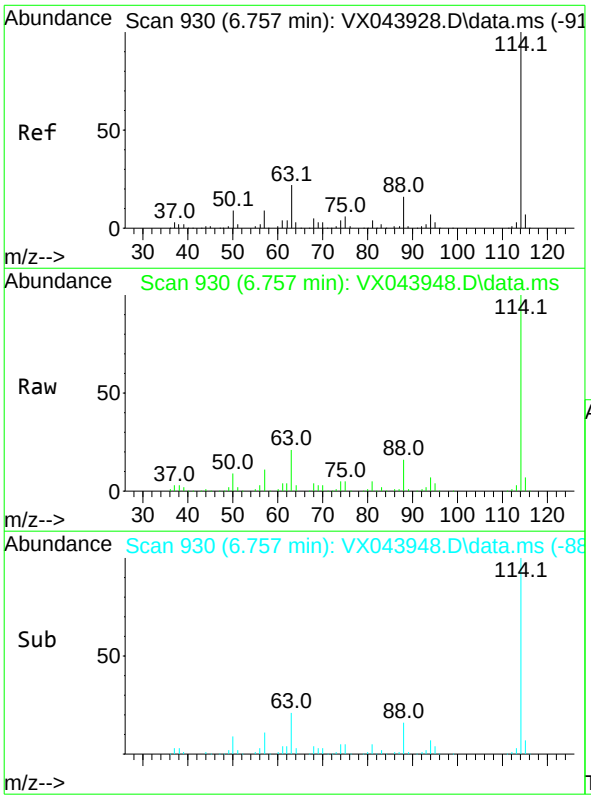
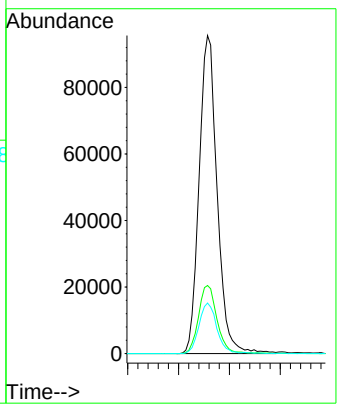
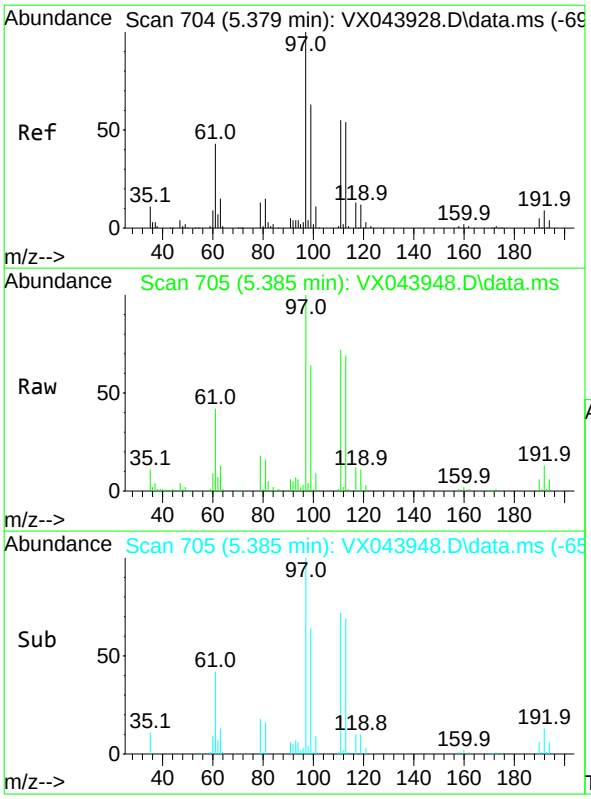



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:114 Resp: 235228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 32.4 |

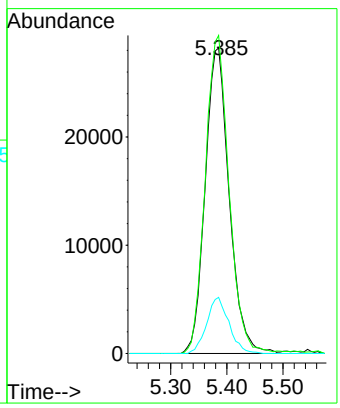





#35
Dibromofluoromethane
Concen: 49.962 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:113 Resp: 83978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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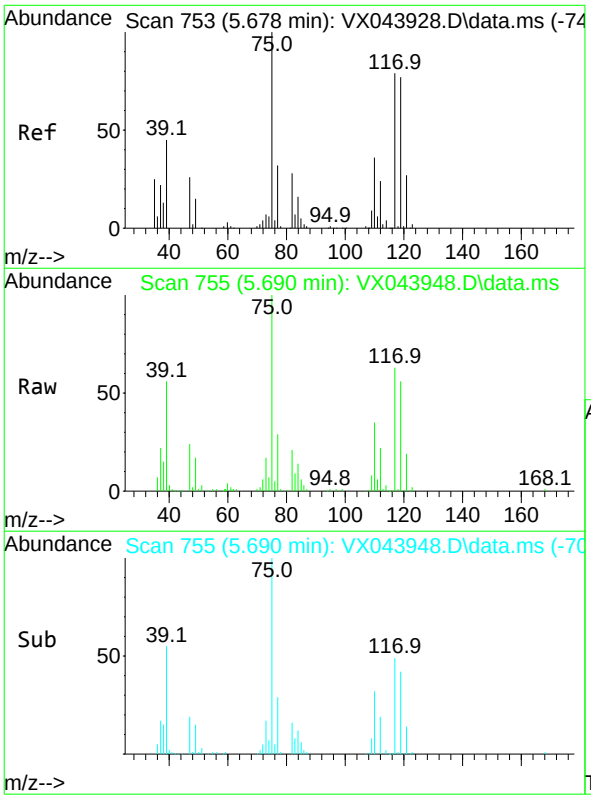
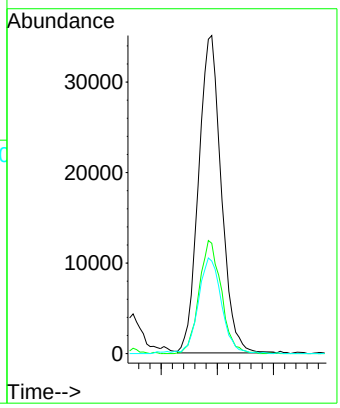
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

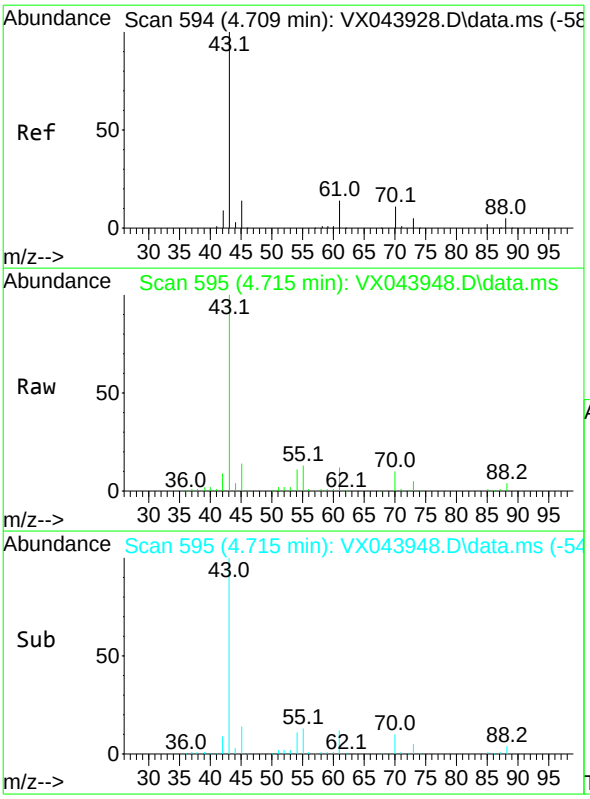



#36
1,1-Dichloropropene
Concen: 47.024 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 98493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.4 | 52.2 |
| 77 | 30.8 | 25.8 | 38.8 |






#37
Ethyl Acetate
Concen: 44.407 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

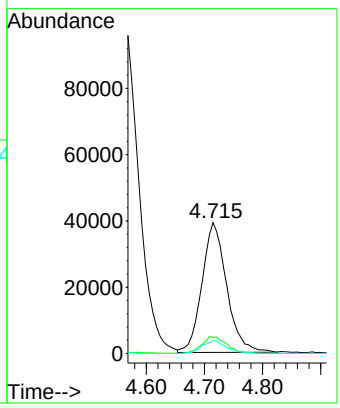
Tgt Ion: 43 Resp: 115457

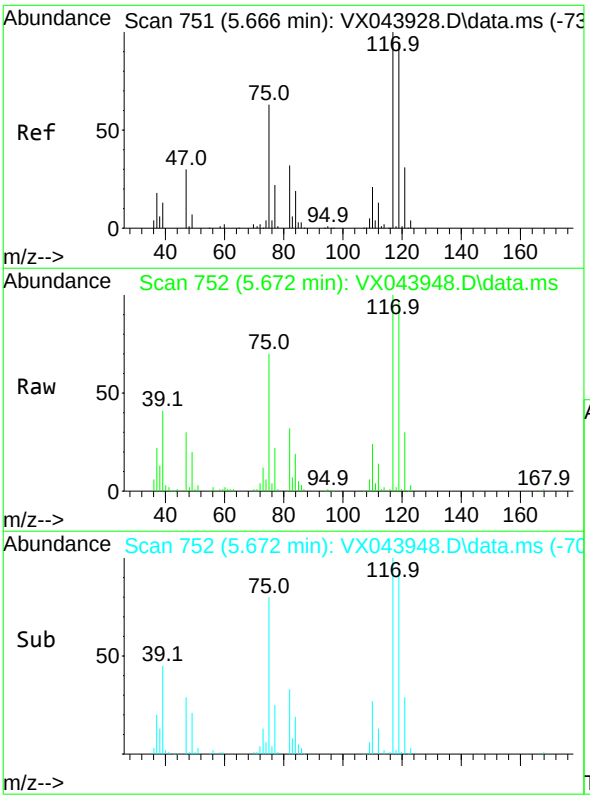
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.7 | 16.1 |
| 70 | 9.5 | 8.0 | 12.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

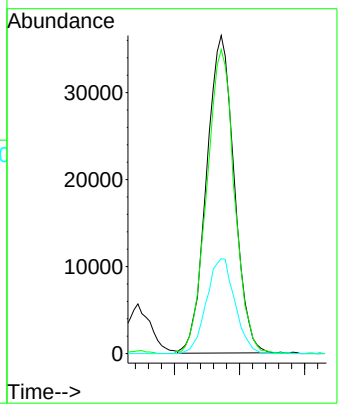


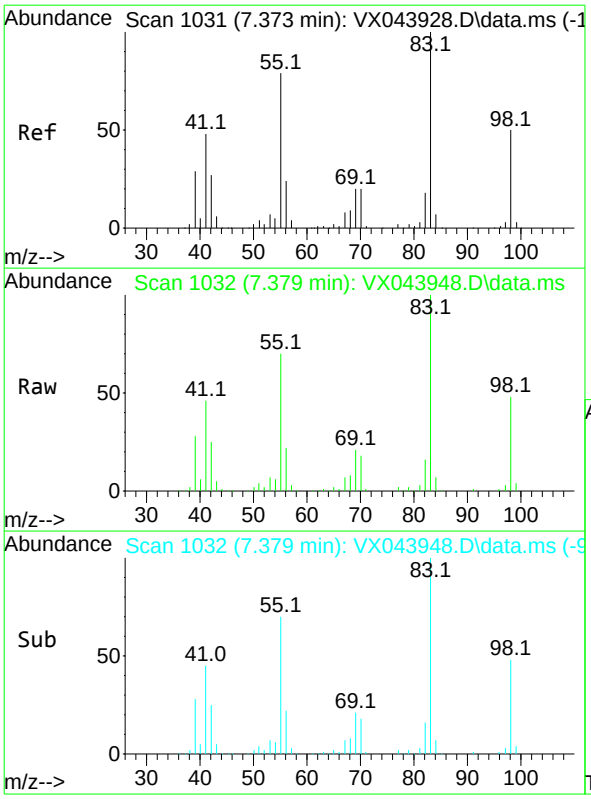




#38
Carbon Tetrachloride
Concen: 45.803 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:117 Resp: 107796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 75.2 | 112.8 |
| 121 | 29.9 | 24.5 | 36.7 |

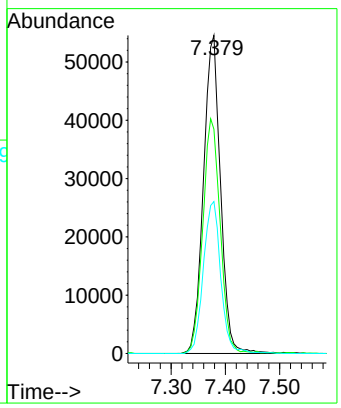





#39
Methylcyclohexane
Concen: 43.844 ug/l
RT: 7.379 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 119300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.5 | 63.1 | 94.7 |
| 98 | 47.8 | 40.0 | 60.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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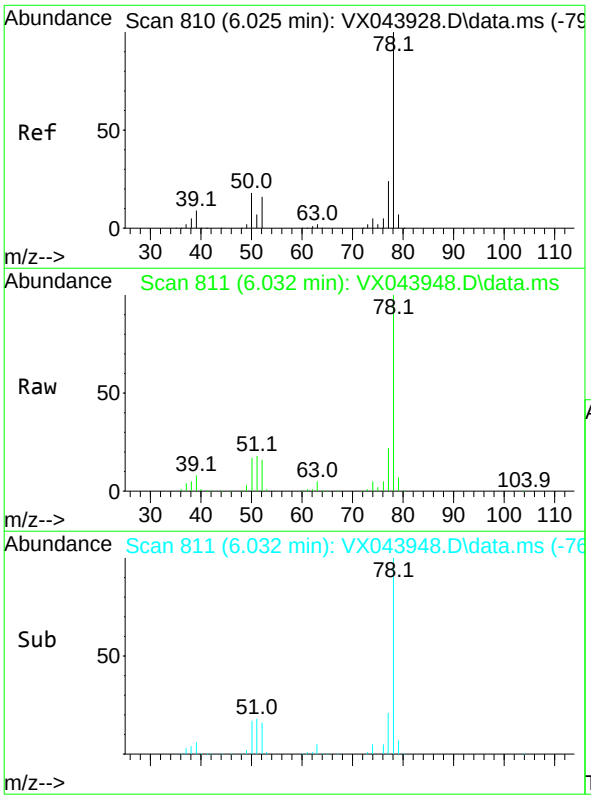
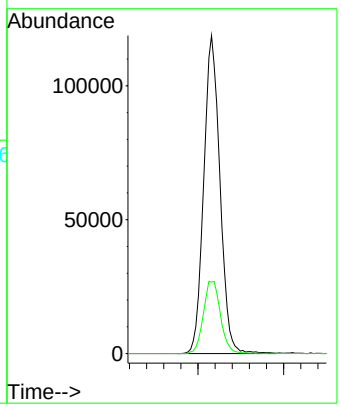
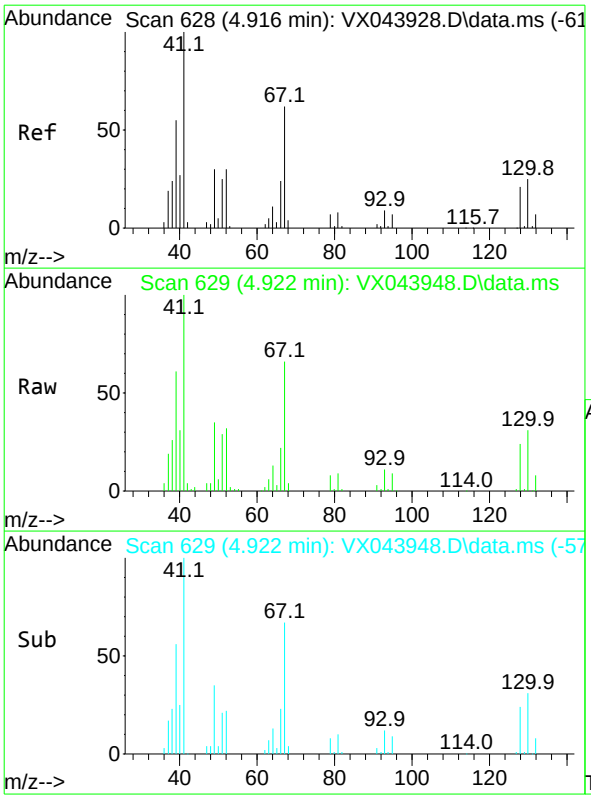



#40
Benzene
Concen: 47.897 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 78 Resp: 312491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 19.2 | 28.8 |

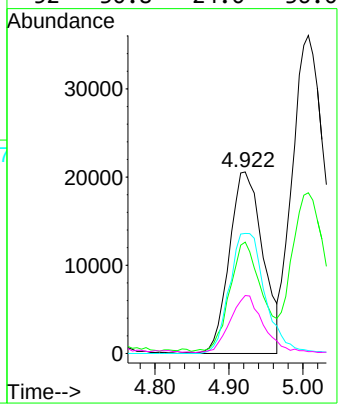





#41
Methacrylonitrile
Concen: 48.819 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 41 Resp: 64964

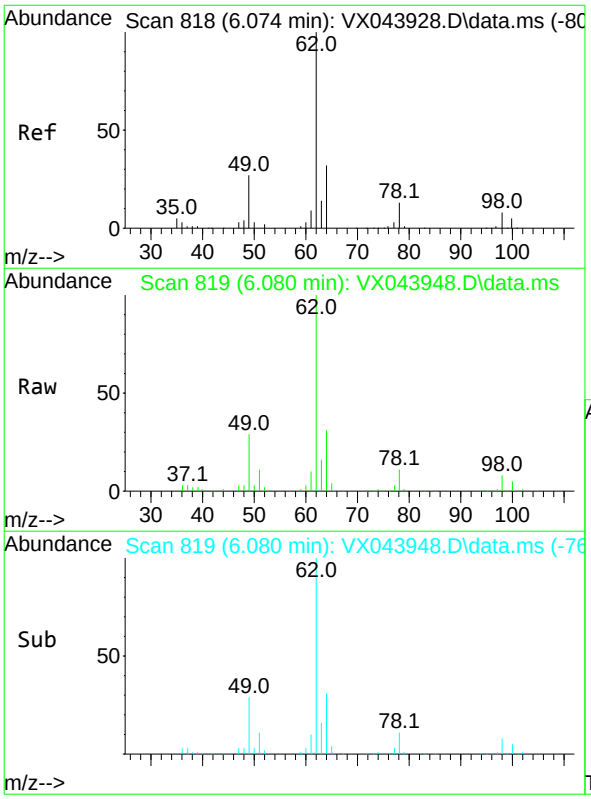
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.5 | 41.7 | 62.5 |
| 67 | 70.3 | 55.8 | 83.8 |
| 52 | 30.8 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

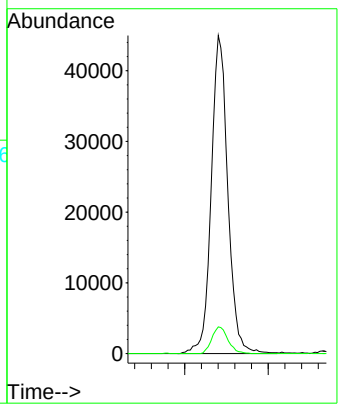
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

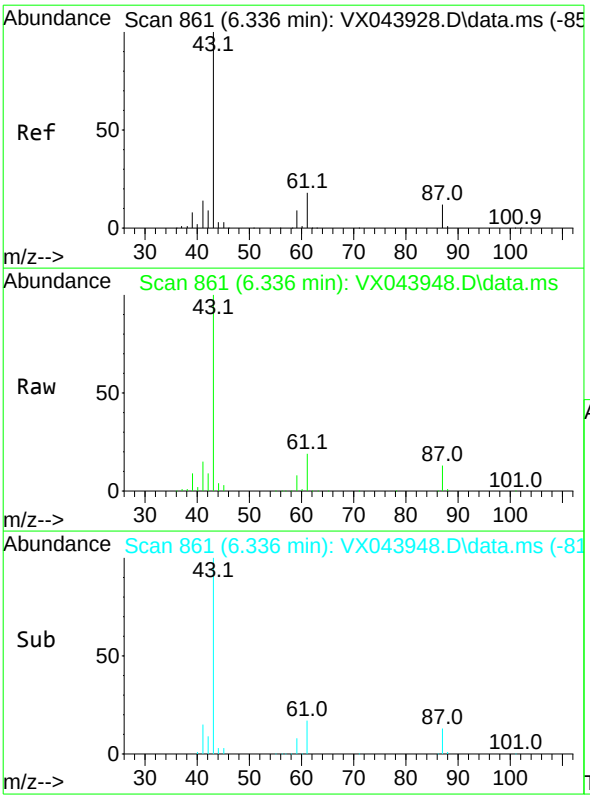



#42
1,2-Dichloroethane
Concen: 47.383 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 62 Resp: 124156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 16.4 |

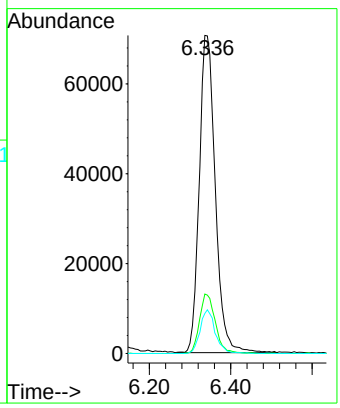





#43
Isopropyl Acetate
Concen: 46.698 ug/l
RT: 6.336 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 193221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.5 | 21.7 |
| 87 | 13.1 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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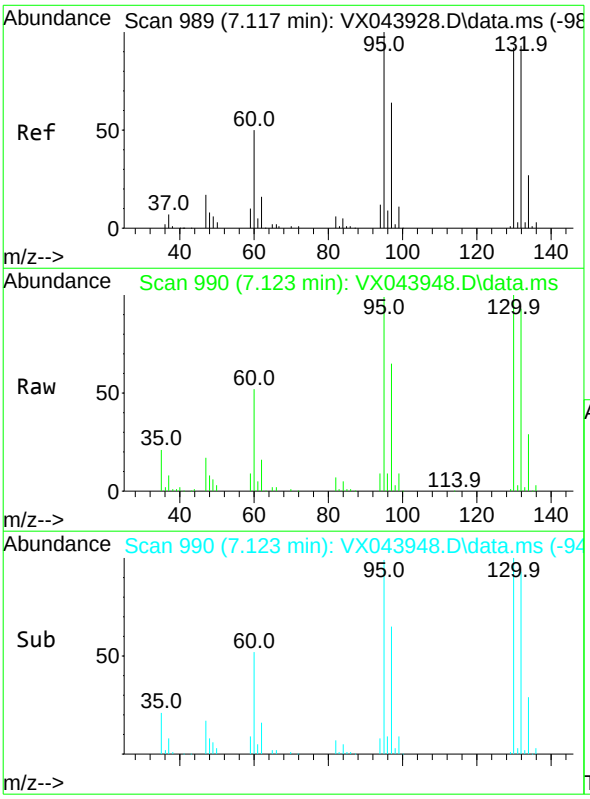
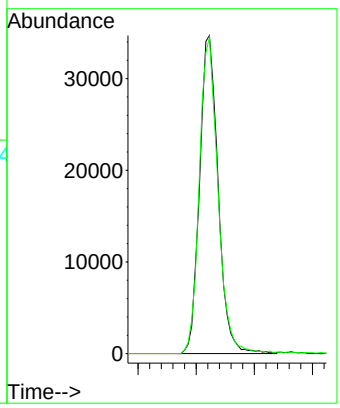
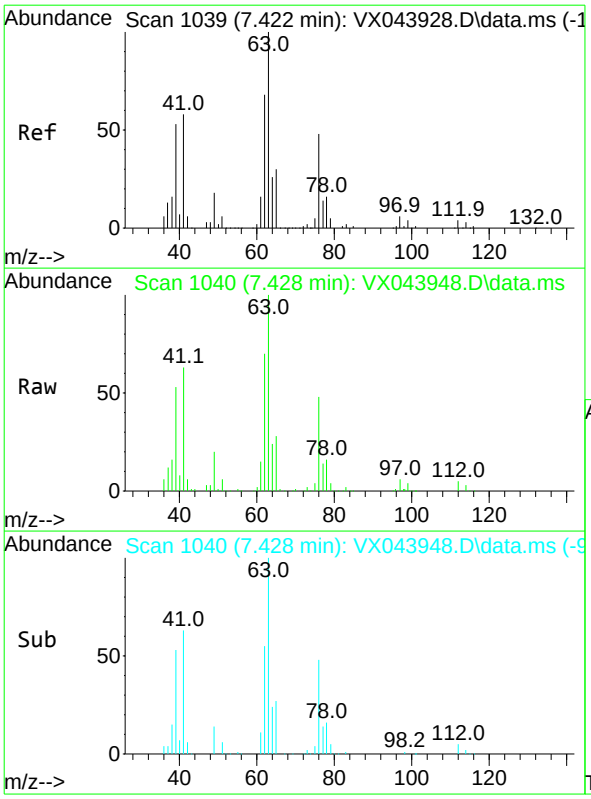



#44
Trichloroethene
Concen: 41.669 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:130 Resp: 76959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.5 | 0.0 | 217.8 |






#45
1,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.428 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 63 Resp: 78382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.4 | 23.8 | 35.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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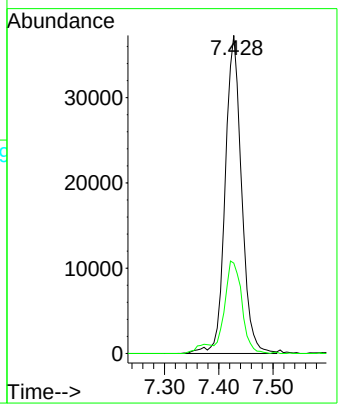
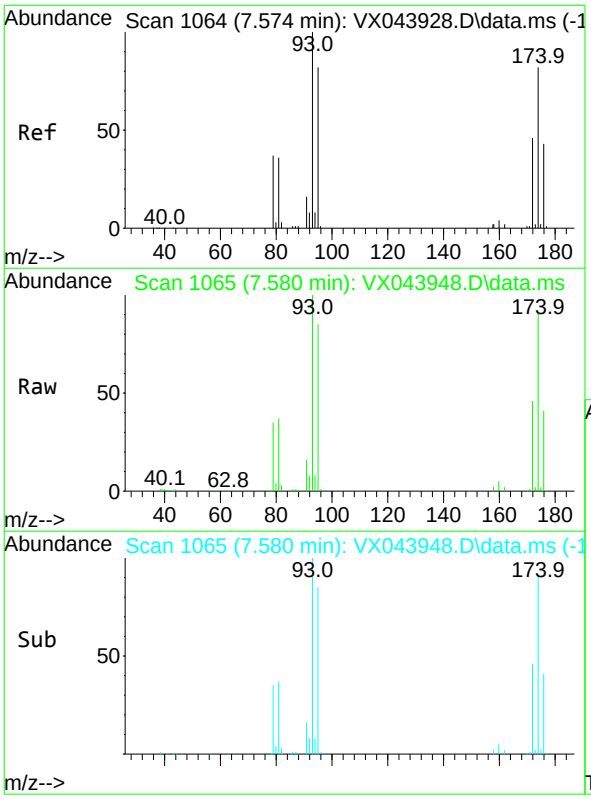
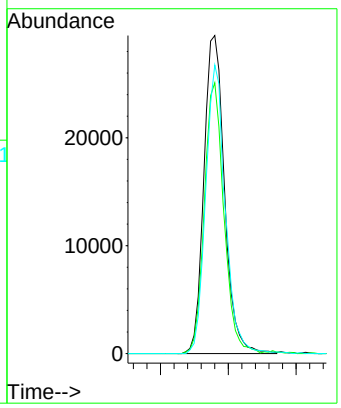


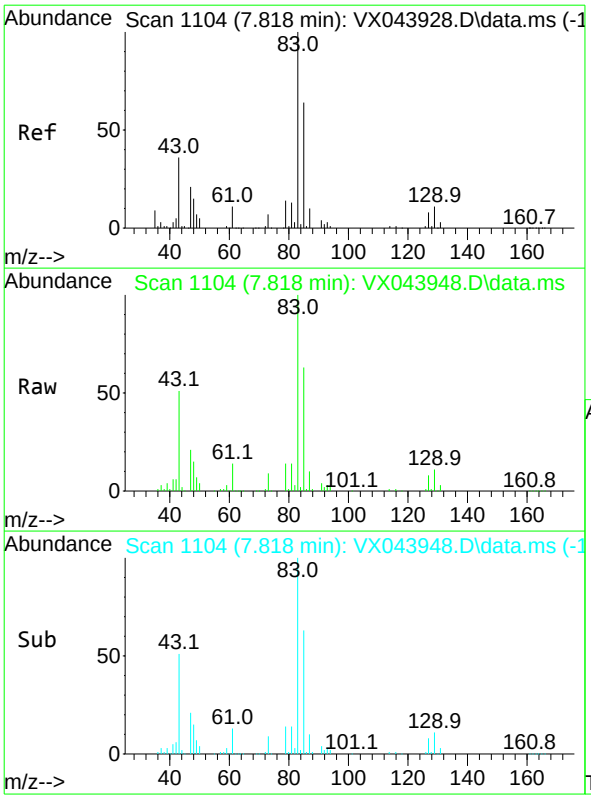




#46
Dibromomethane
Concen: 49.158 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 93 Resp: 62137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.9 | 66.2 | 99.4 |
| 174 | 86.5 | 69.6 | 104.4 |






#47
Bromodichloromethane
Concen: 48.549 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 110061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.4 | 77.0 |
| 127 | 8.1 | 6.6 | 10.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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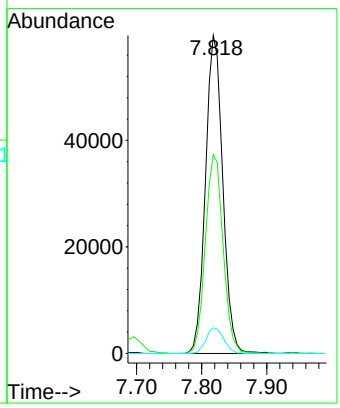
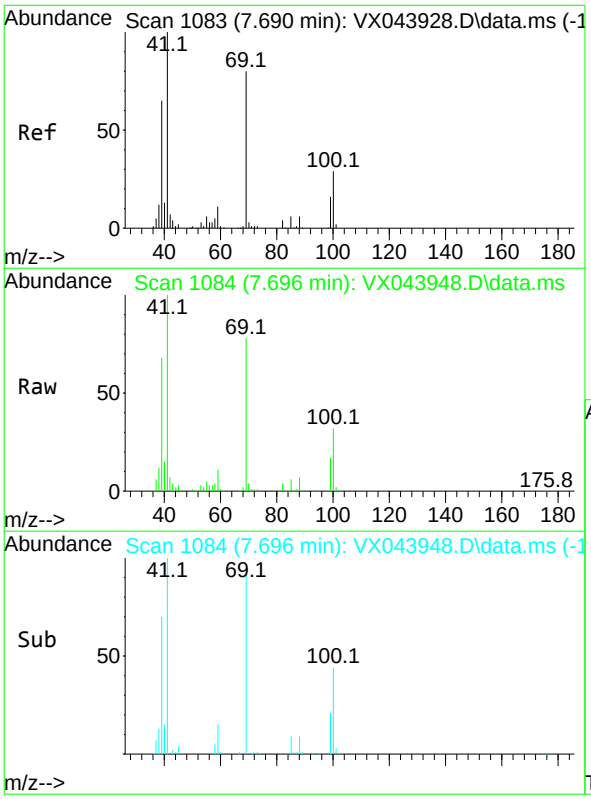
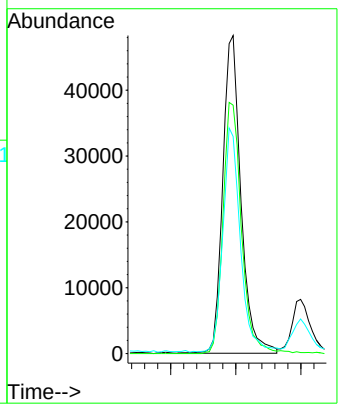


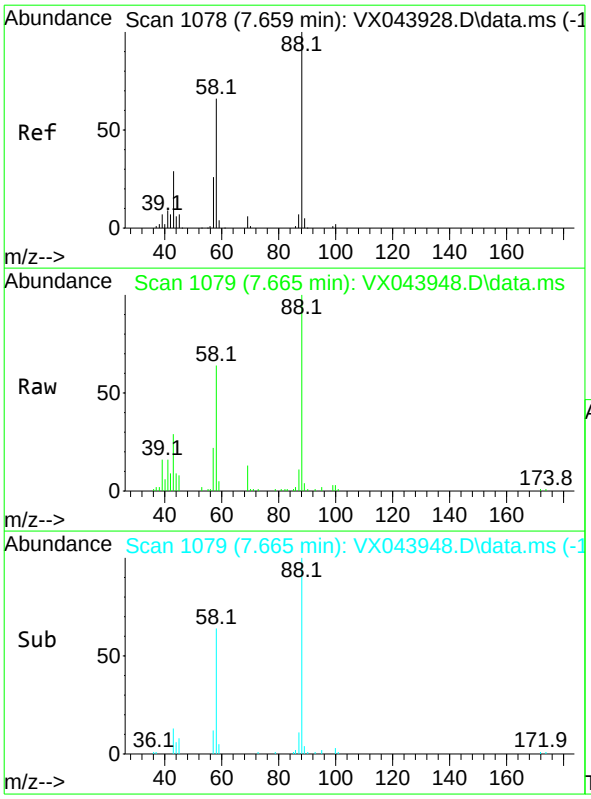




#48
Methyl methacrylate
Concen: 47.093 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 41 Resp: 93500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 64.6 | 97.0 |
| 39 | 67.6 | 53.3 | 79.9 |

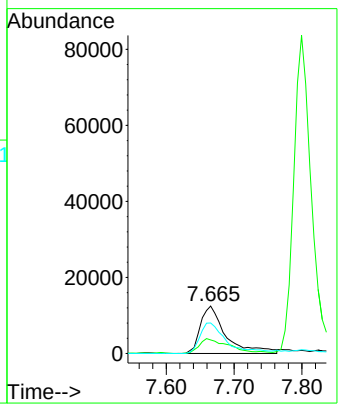





#49
1,4-Dioxane
Concen: 920.558 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 88 Resp: 32557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 26.8 | 40.2 |
| 58 | 66.9 | 45.4 | 68.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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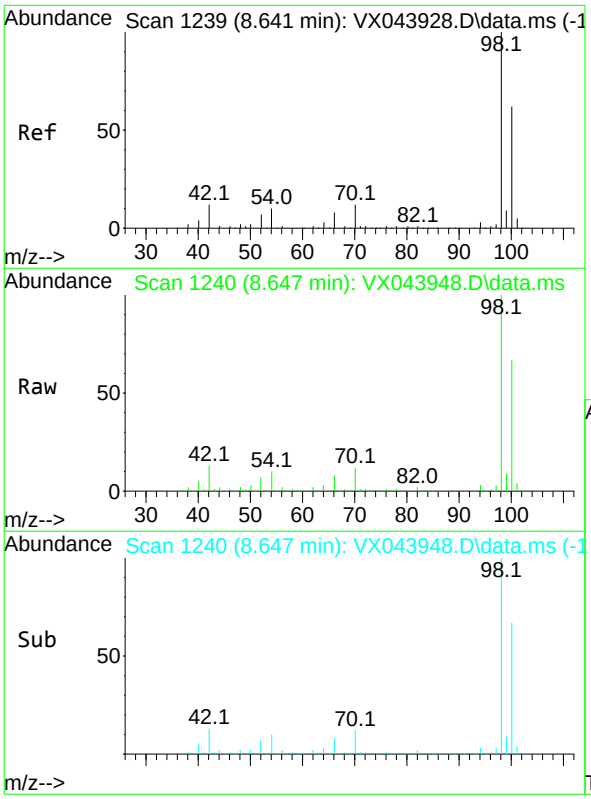
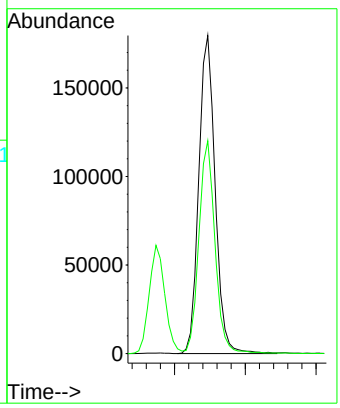
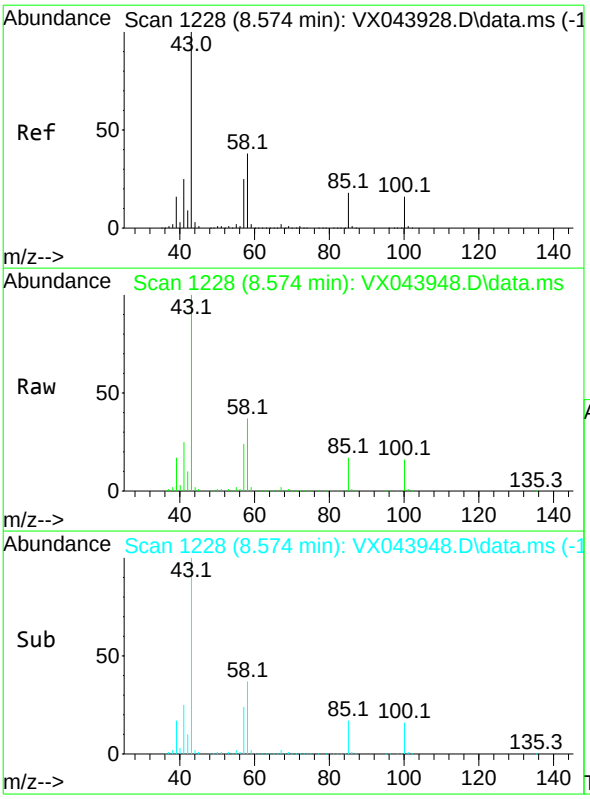



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 98 Resp: 288863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 52.6 | 79.0 |

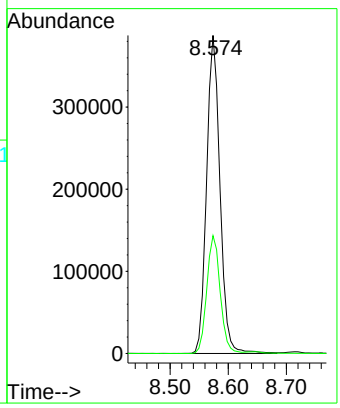





#51
4-Methyl-2-Pentanone
Concen: 244.942 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 618486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 30.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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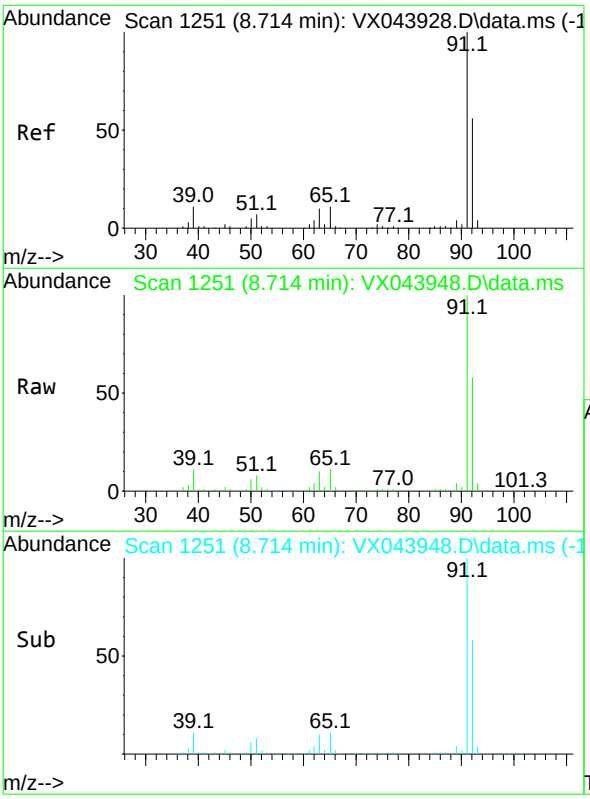
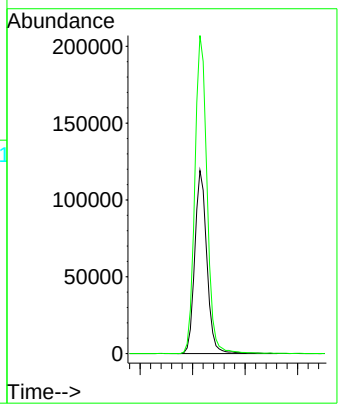
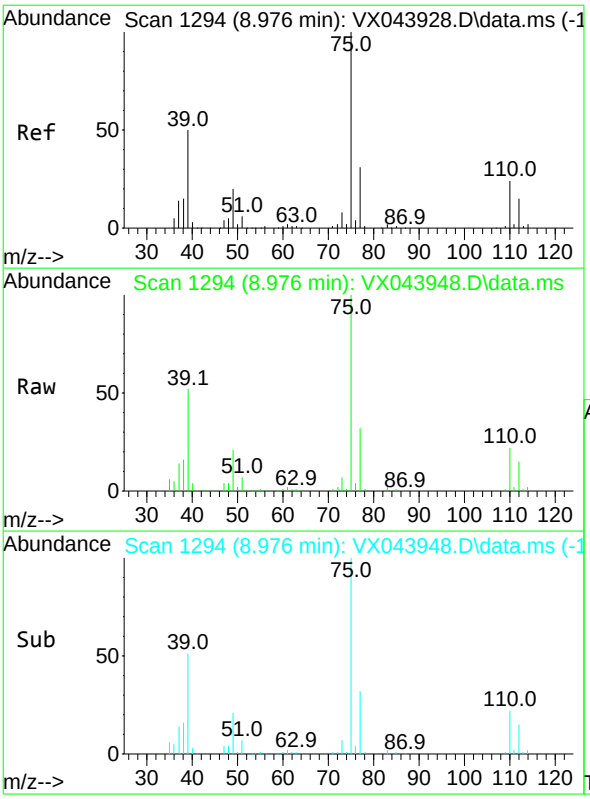



#52
Toluene
Concen: 48.620 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 92 Resp: 189861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.7 | 139.7 | 209.5 |

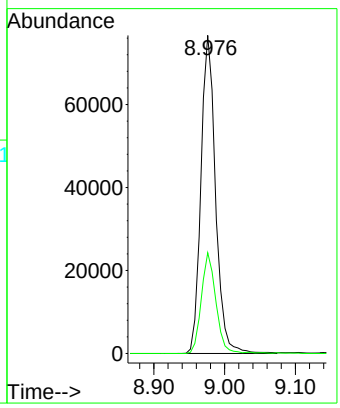





#53
t-1,3-Dichloropropene
Concen: 47.657 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 110173

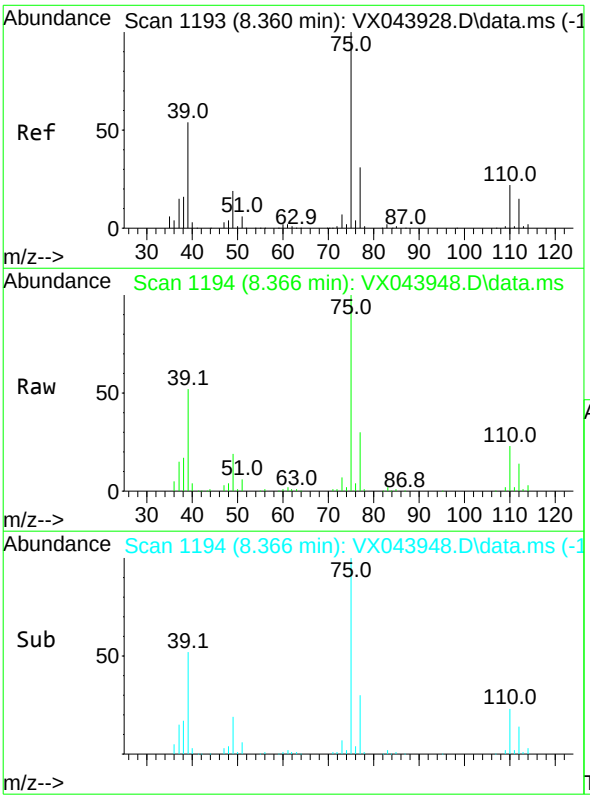
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

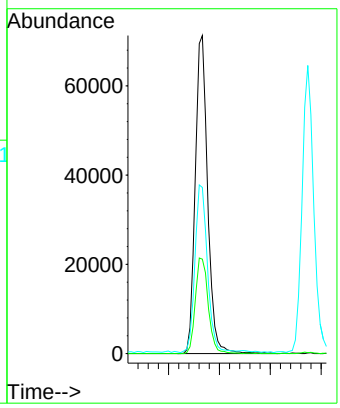
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

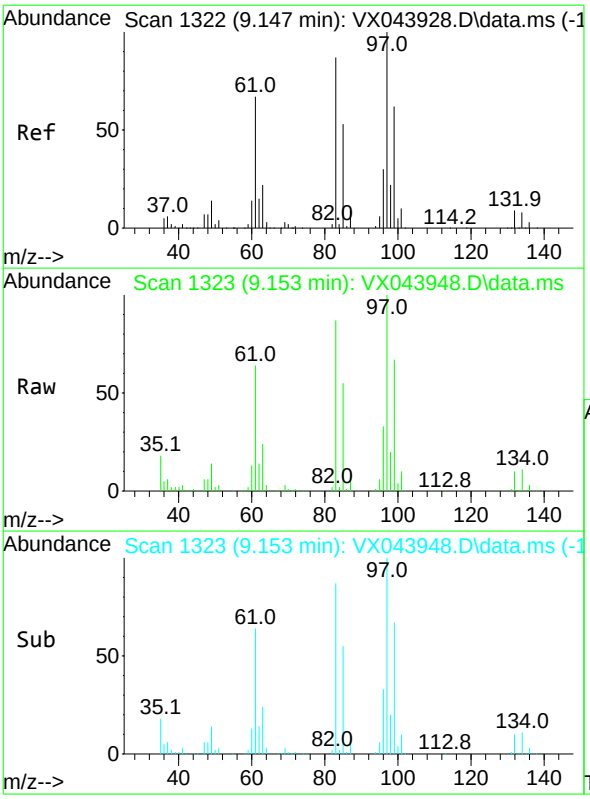



#54
cis-1,3-Dichloropropene
Concen: 47.592 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 120614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 25.2 | 37.8 |
| 39 | 51.7 | 43.1 | 64.7 |






#55
1,1,2-Trichloroethane
Concen: 47.467 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 76514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.4 | 69.4 | 104.0 |
| 85 | 55.1 | 42.3 | 63.5 |
| 99 | 66.7 | 49.6 | 74.4 |

**Manual Integrations**
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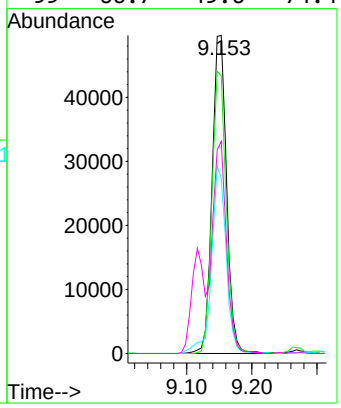
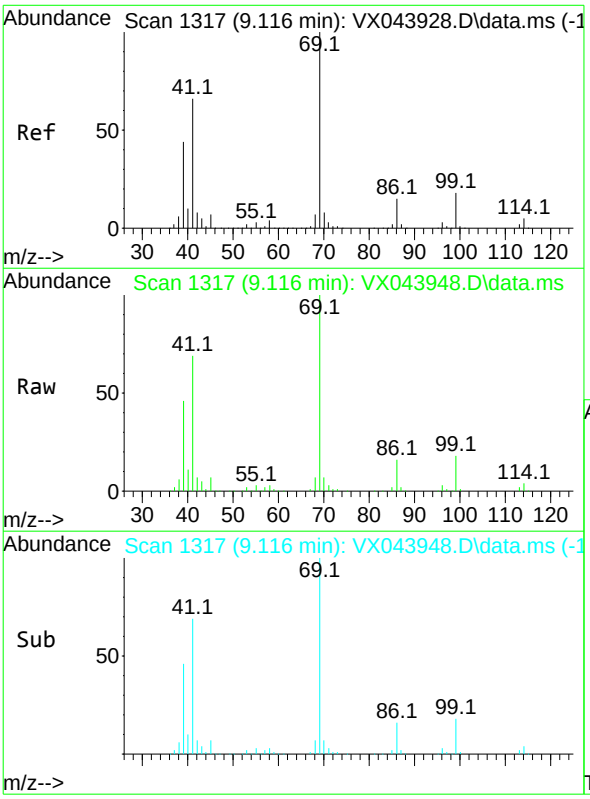
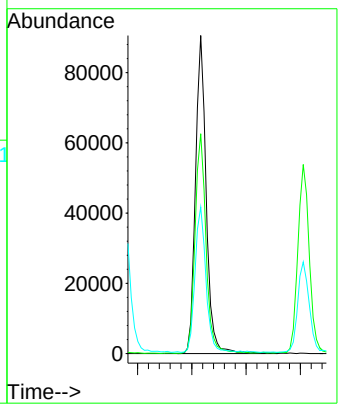


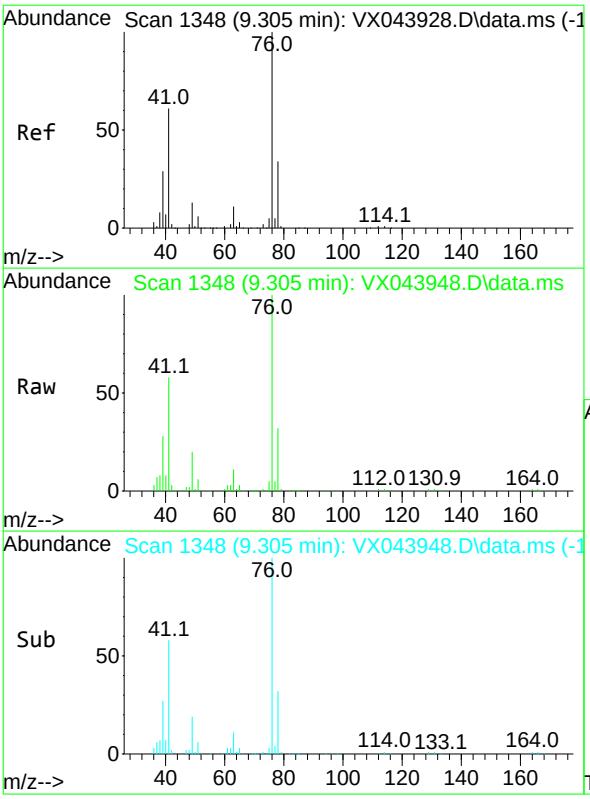




#56
Ethyl methacrylate
Concen: 49.597 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 69 Resp: 124527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.4 | 55.8 | 83.8 |
| 39 | 46.5 | 36.7 | 55.1 |






#57
1,3-Dichloropropane
Concen: 49.060 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 76 Resp: 133219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 26.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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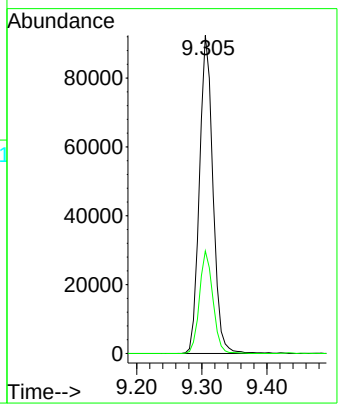
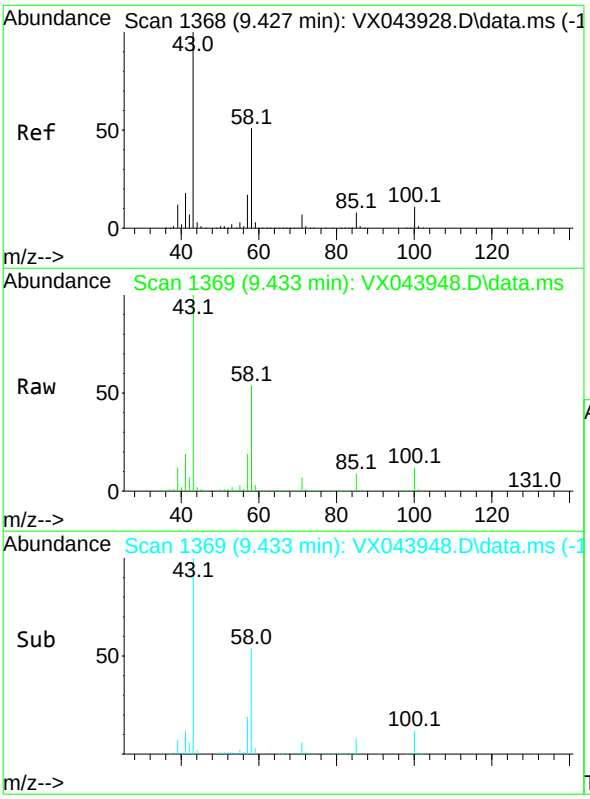
Supervised By :Semsettin Yesilyurt 11/29/2024

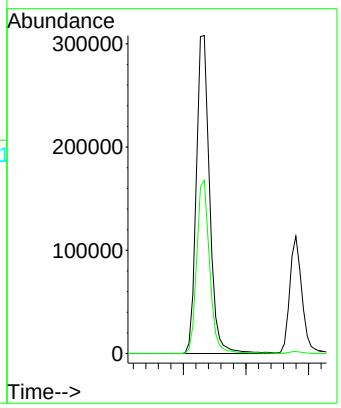


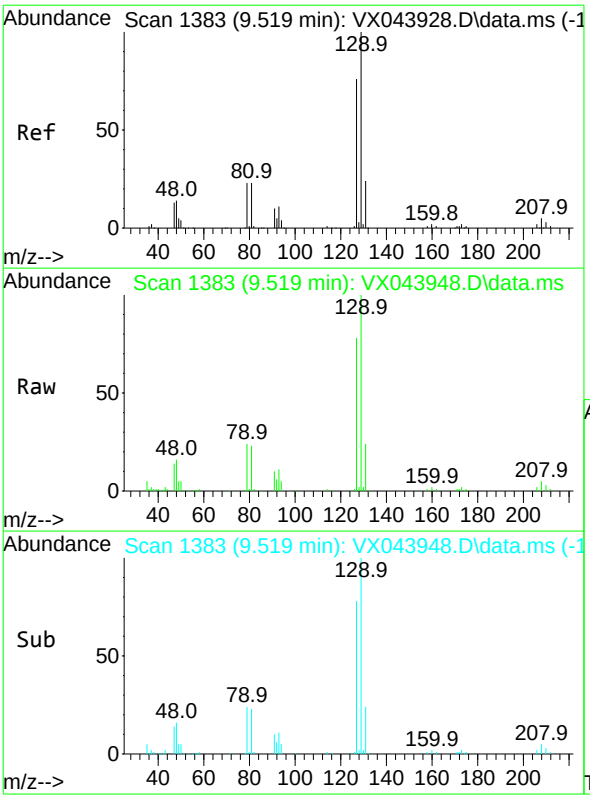




#59
2-Hexanone
Concen: 239.878 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 455259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.9 | 77.6 |

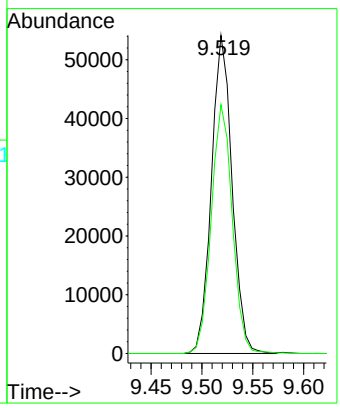





#60
Dibromochloromethane
Concen: 47.372 ug/l
RT: 9.519 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:129 Resp: 76616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.6 | 38.2 | 114.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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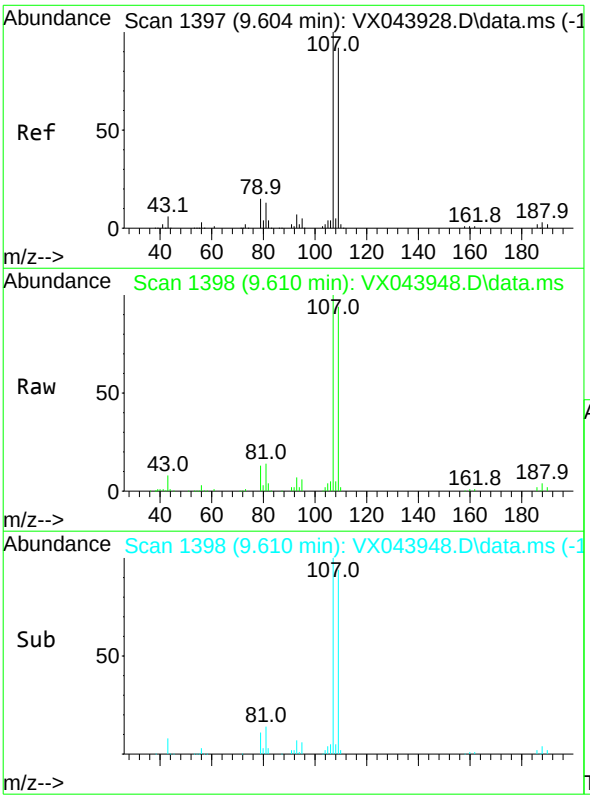
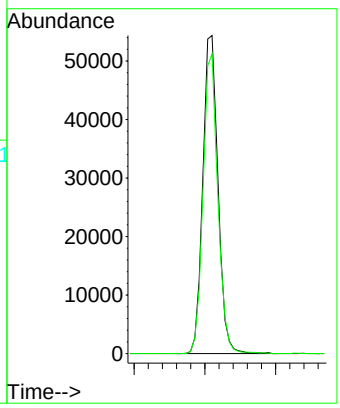
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

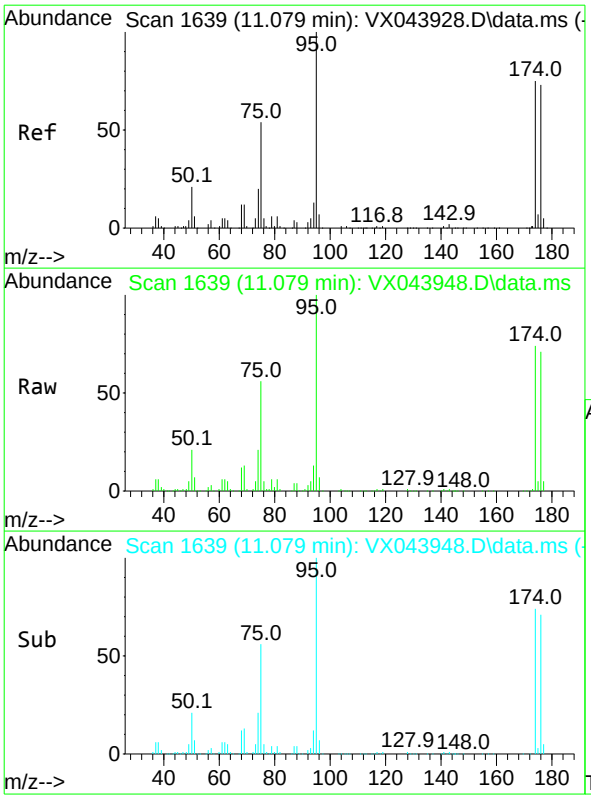



#61
1,2-Dibromoethane
Concen: 49.699 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:107 Resp: 81006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 75.2 | 112.8 |

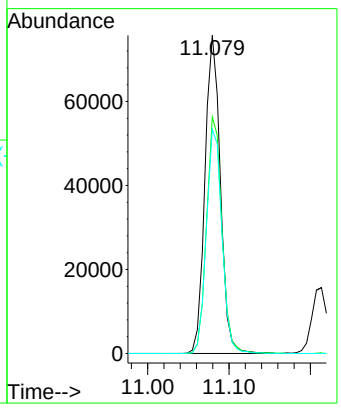





#62
4-Bromofluorobenzene
Concen: 50.418 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 95 Resp: 99417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.4 | 0.0 | 150.4 |
| 176 | 71.4 | 0.0 | 146.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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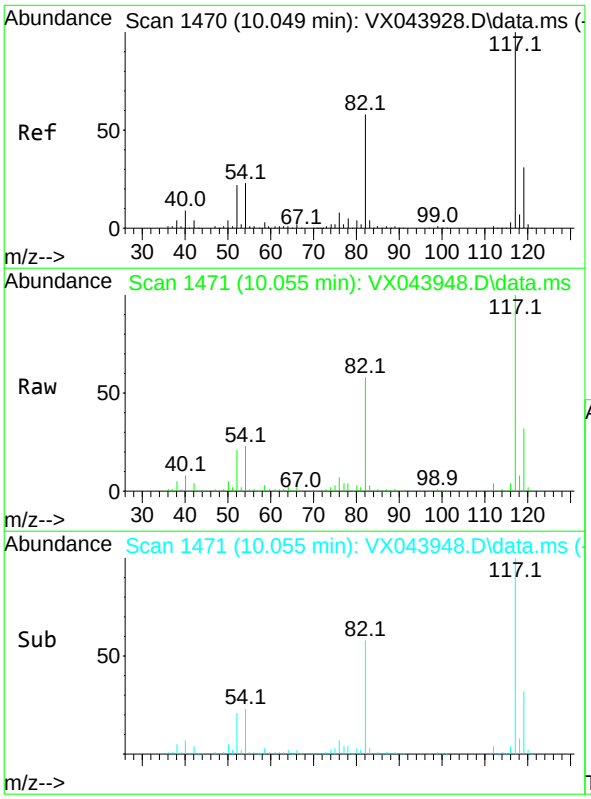
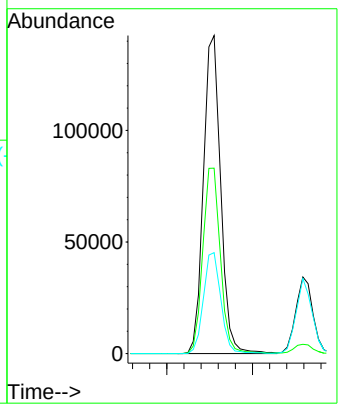
Supervised By :Semsettin Yesilyurt 11/29/2024

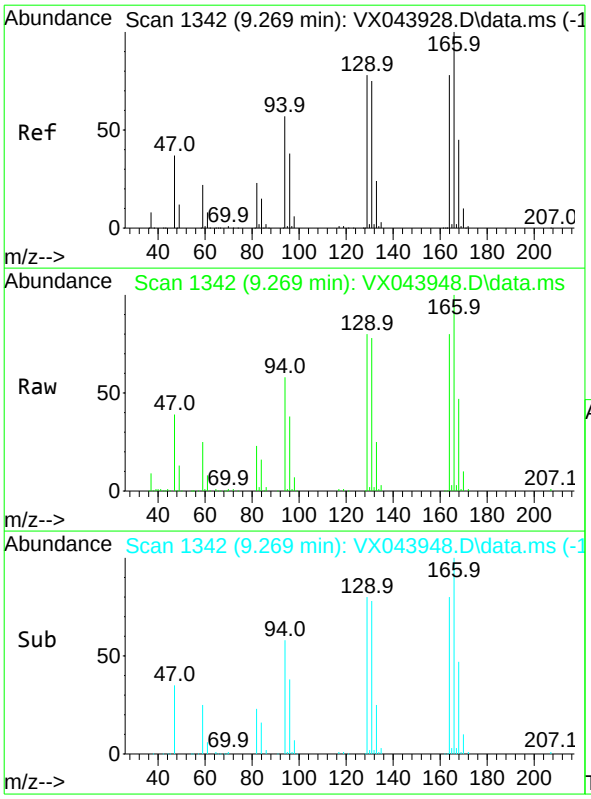



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:117 Resp: 199397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 46.4 | 69.6 |
| 119 | 31.7 | 24.6 | 37.0 |

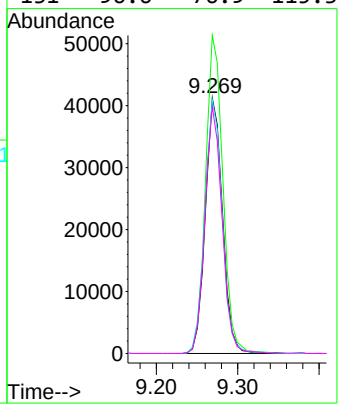





#64
Tetrachloroethene
Concen: 45.958 ug/l
RT: 9.269 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:164 Resp: 60425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.4 | 102.1 | 153.1 |
| 129 | 99.2 | 79.6 | 119.4 |
| 131 | 96.6 | 76.9 | 115.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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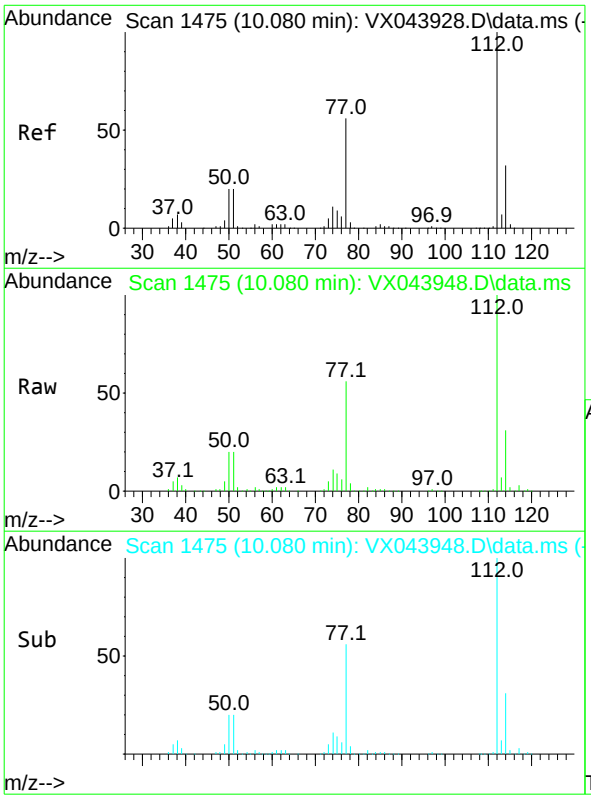
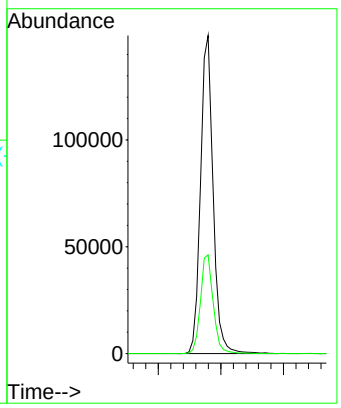
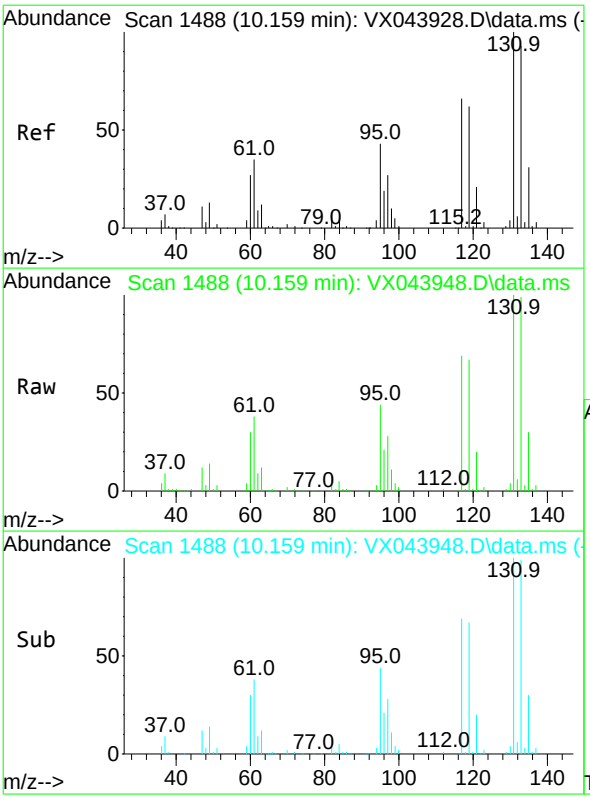



#65
Chlorobenzene
Concen: 47.425 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:112 Resp: 207688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.4 | 38.0 |






#66
1,1,1,2-Tetrachloroethane
Concen: 50.161 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:131 Resp: 71242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.0 | 48.2 | 144.6 |
| 119 | 61.8 | 31.5 | 94.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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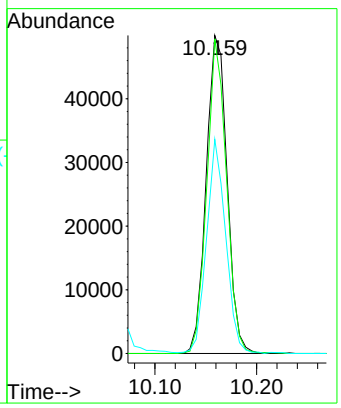
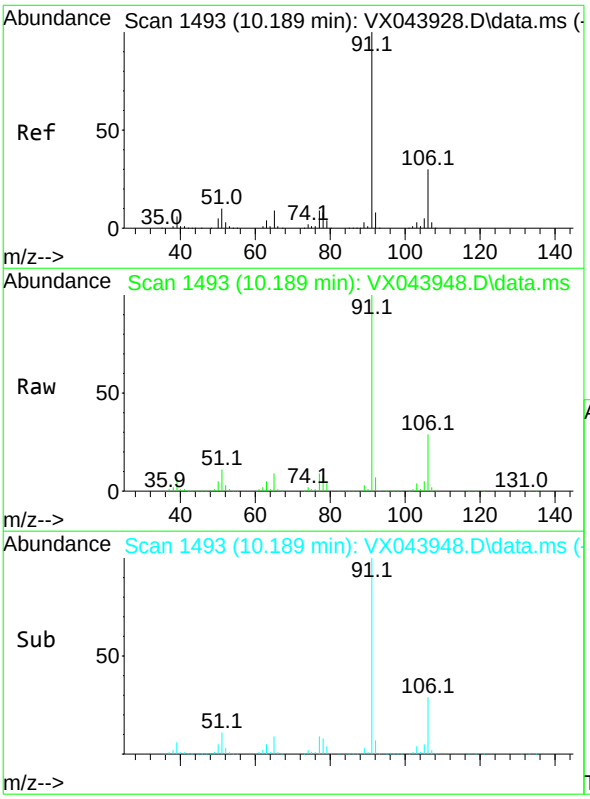
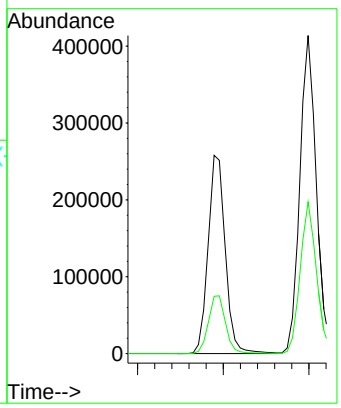


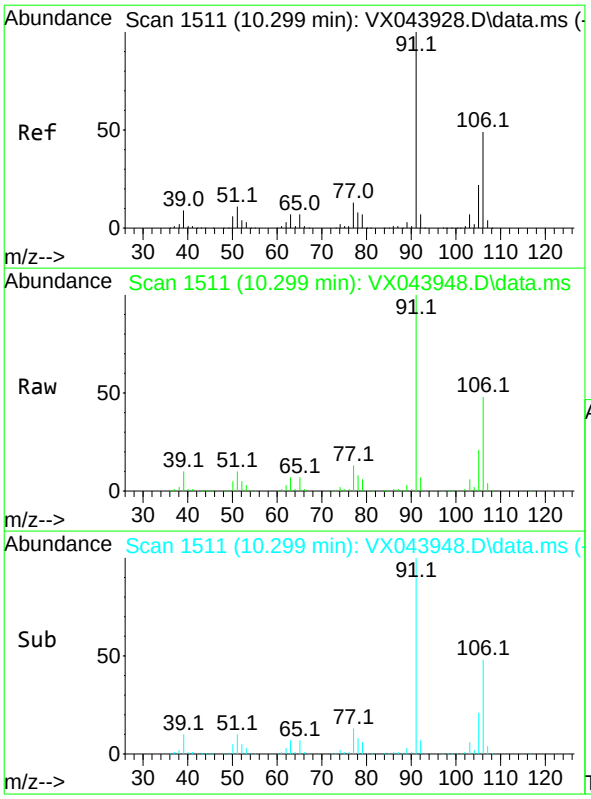




#67
Ethyl Benzene
Concen: 48.420 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 359312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.9 | 23.6 | 35.4 |






#68
m/p-Xylenes
Concen: 95.380 ug/l
RT: 10.299 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:106 Resp: 263950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.0 | 168.1 | 252.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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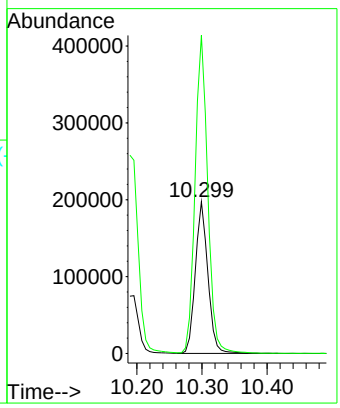
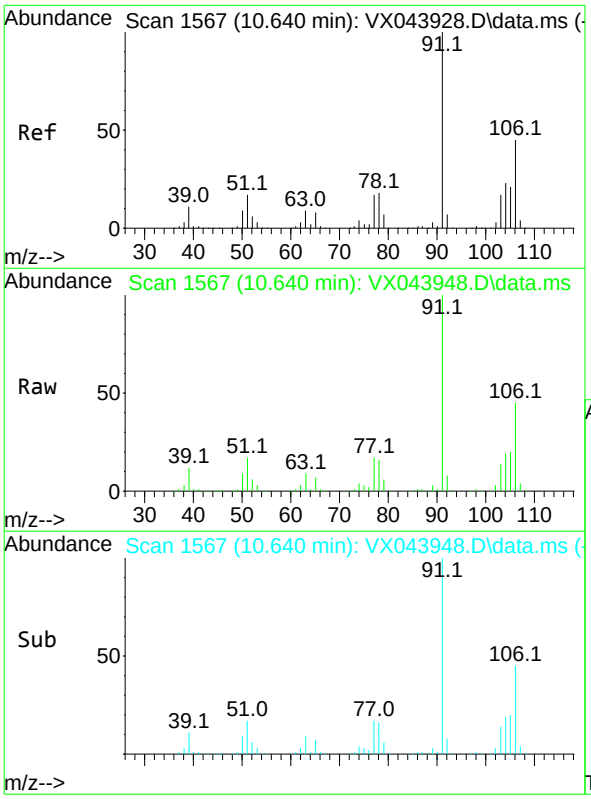
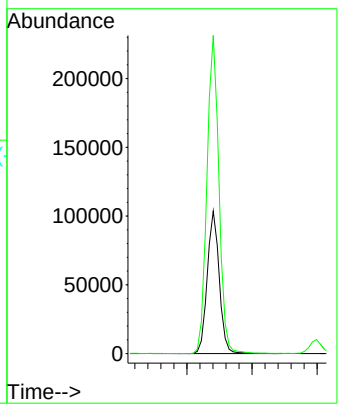


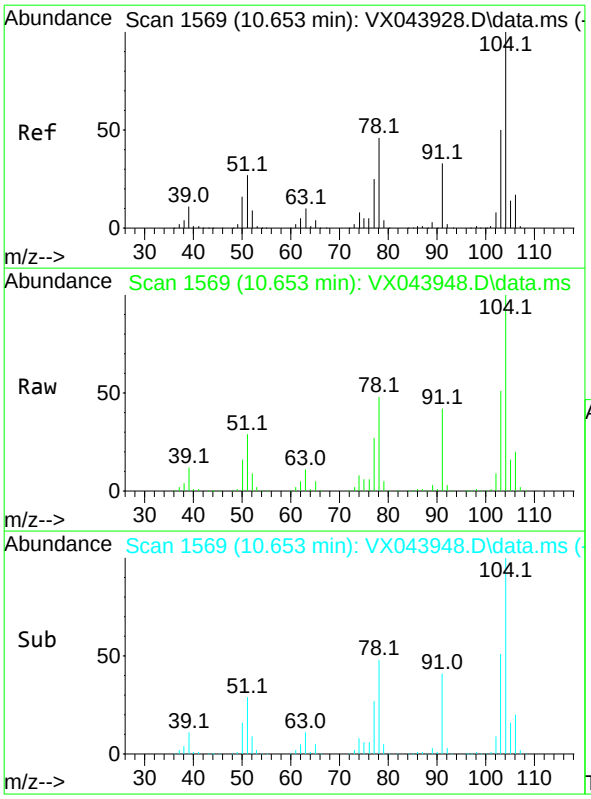




#69
o-Xylene
Concen: 48.978 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:106 Resp: 132336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.9 | 110.2 | 330.6 |

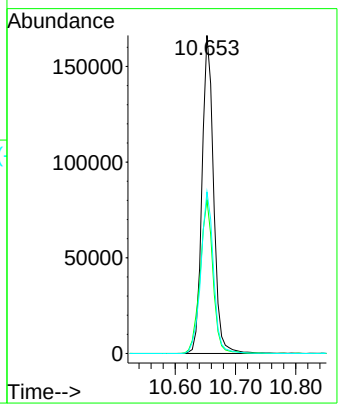





#70
Styrene
Concen: 49.604 ug/l
RT: 10.653 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:104 Resp: 221676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.6 | 44.7 | 67.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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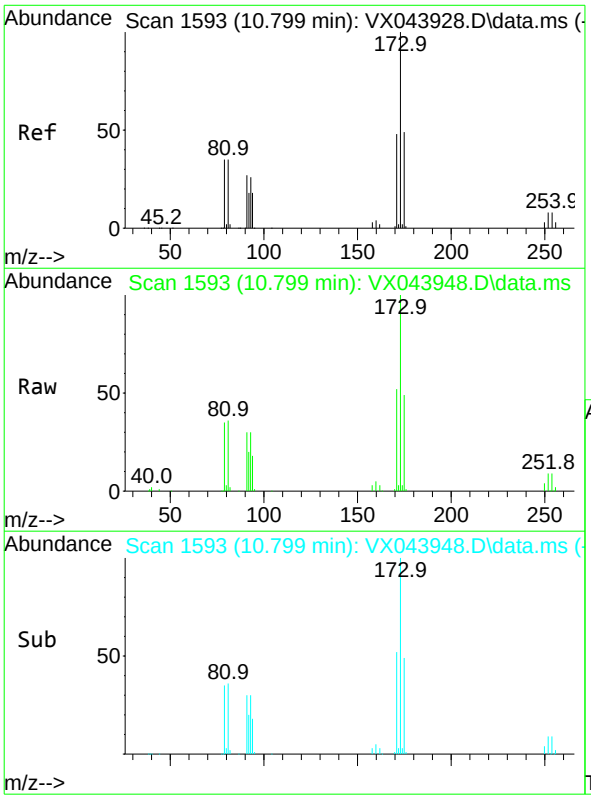
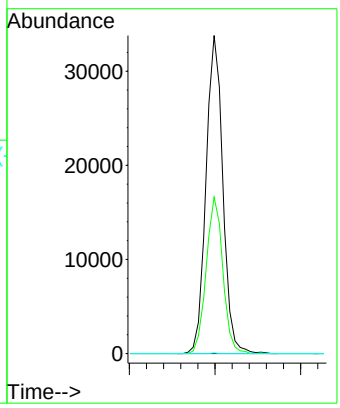
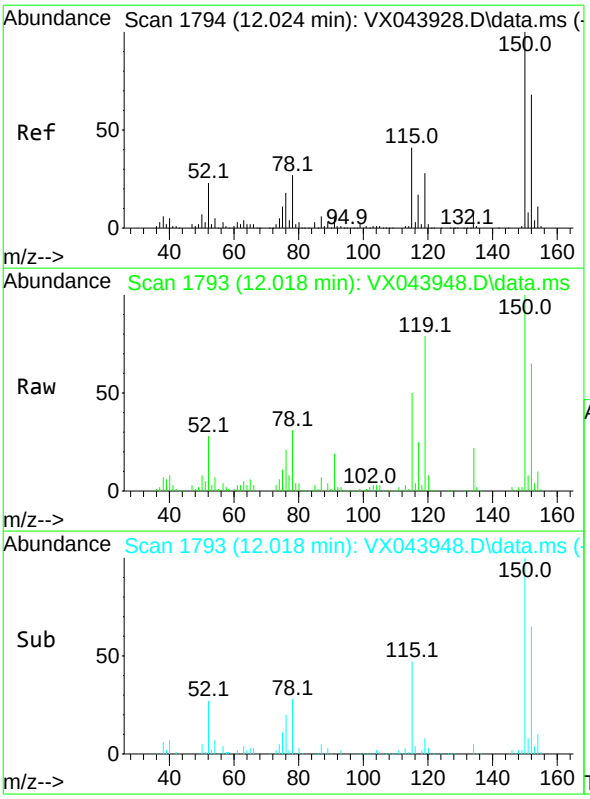



#71
Bromoform
Concen: 43.157 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:173 Resp: 46043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.1 | 0.0 | 0.0# |

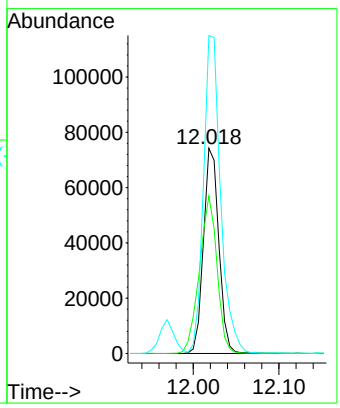





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:152 Resp: 92487

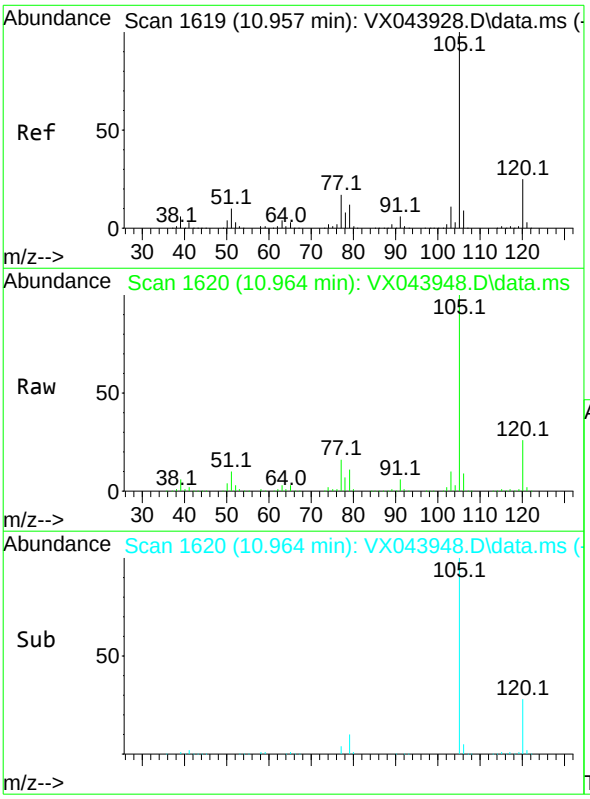
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.0 | 45.4 | 136.2 |
| 150 | 172.5 | 0.0 | 353.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

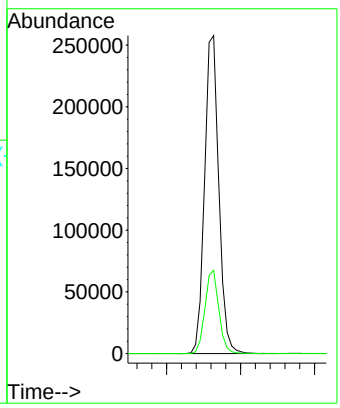
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

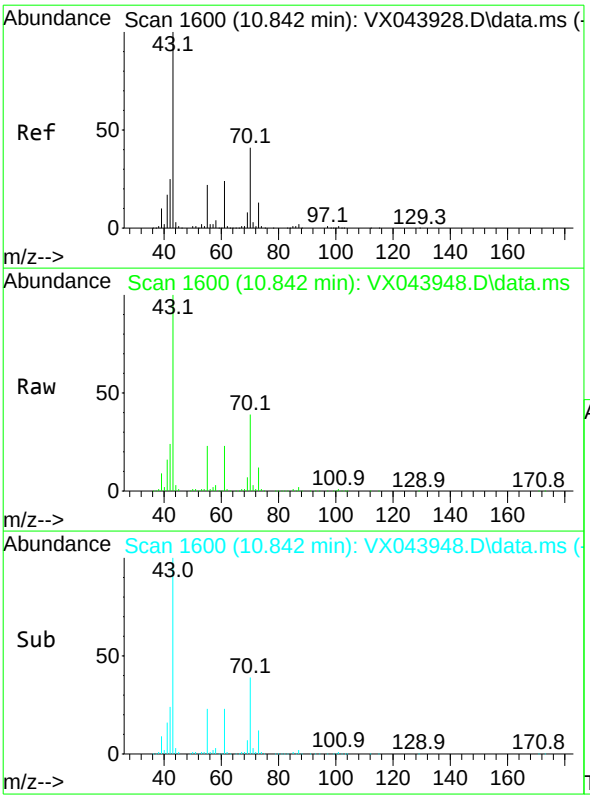



#73
Isopropylbenzene
Concen: 48.323 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 343545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

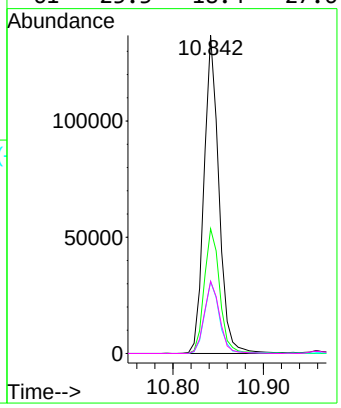





#74
N-amyl acetate
Concen: 47.714 ug/l
RT: 10.842 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 157143

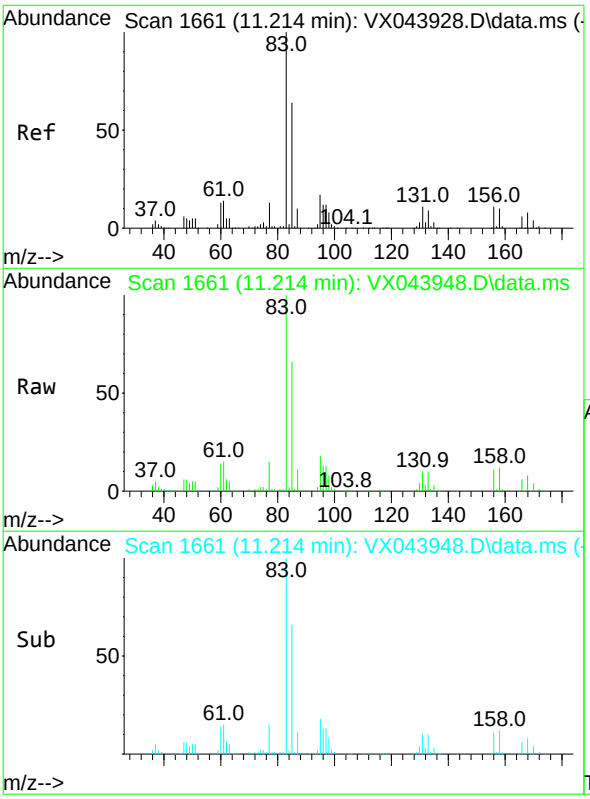
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 32.2 | 48.2 |
| 55 | 22.9 | 18.1 | 27.1 |
| 61 | 23.3 | 18.4 | 27.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

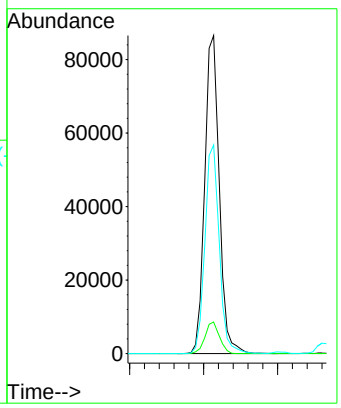
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

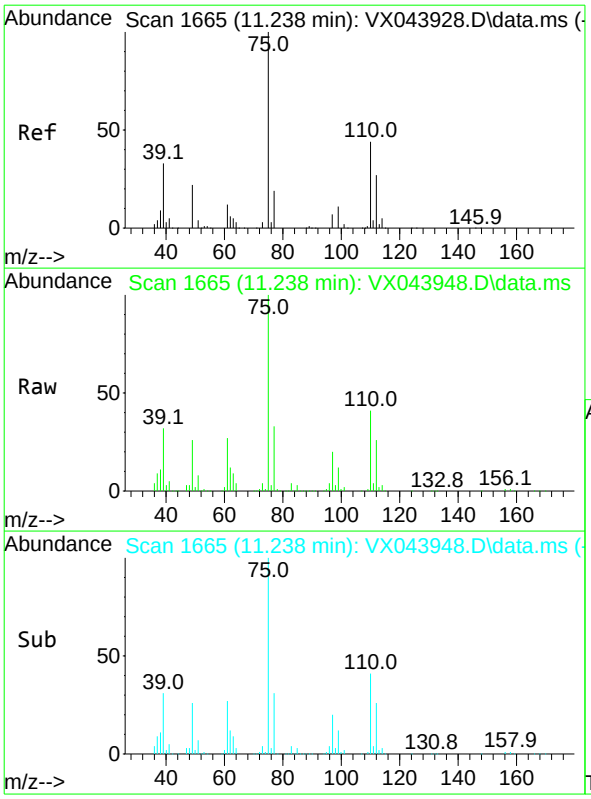



#75
1,1,2,2-Tetrachloroethane
Concen: 48.461 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 117970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.2 |
| 85 | 64.8 | 32.2 | 96.6 |

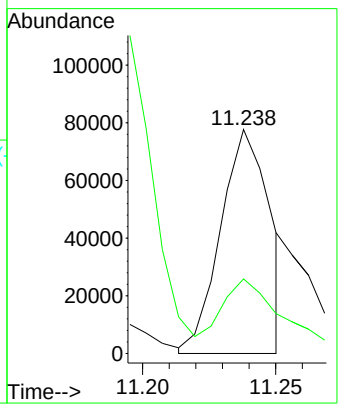





#76
1,2,3-Trichloropropane
Concen: 49.141 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 99670

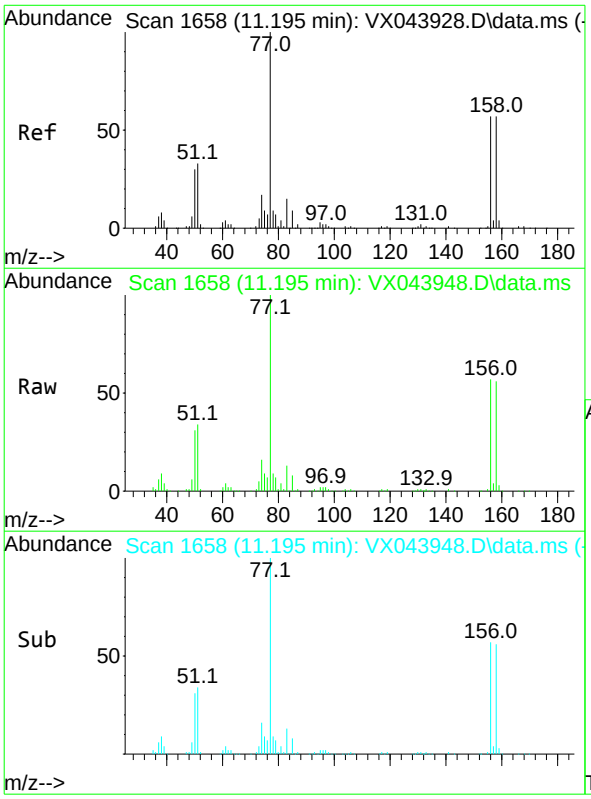
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.4 | 21.8 | 65.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

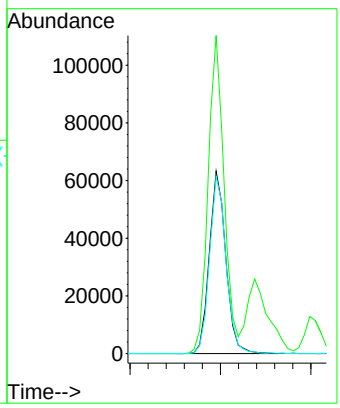
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

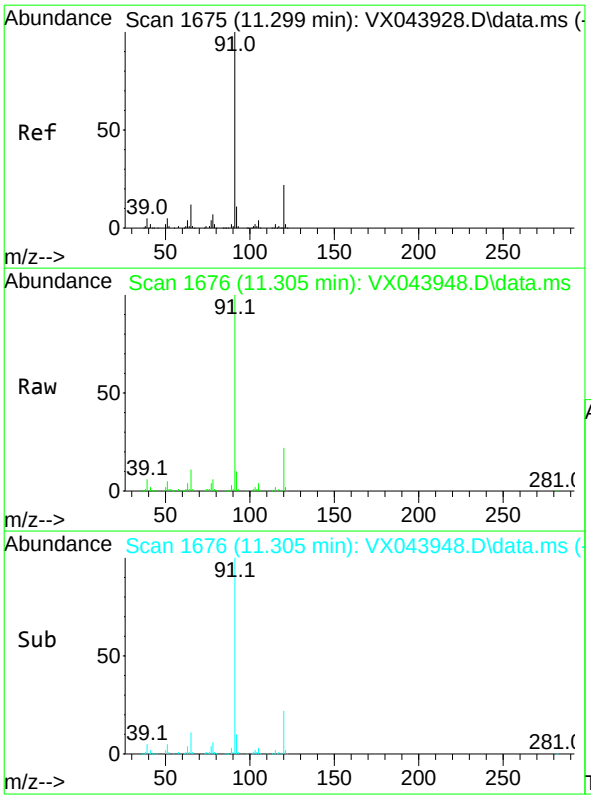



#77
Bromobenzene
Concen: 47.340 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:156 Resp: 80285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.5 | 83.4 | 250.1 |
| 158 | 96.9 | 47.6 | 142.8 |






#78
n-propylbenzene
Concen: 48.379 ug/l
RT: 11.305 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 384137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.5 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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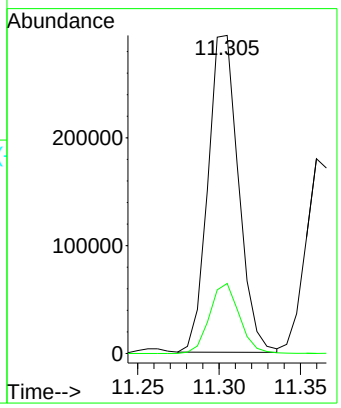
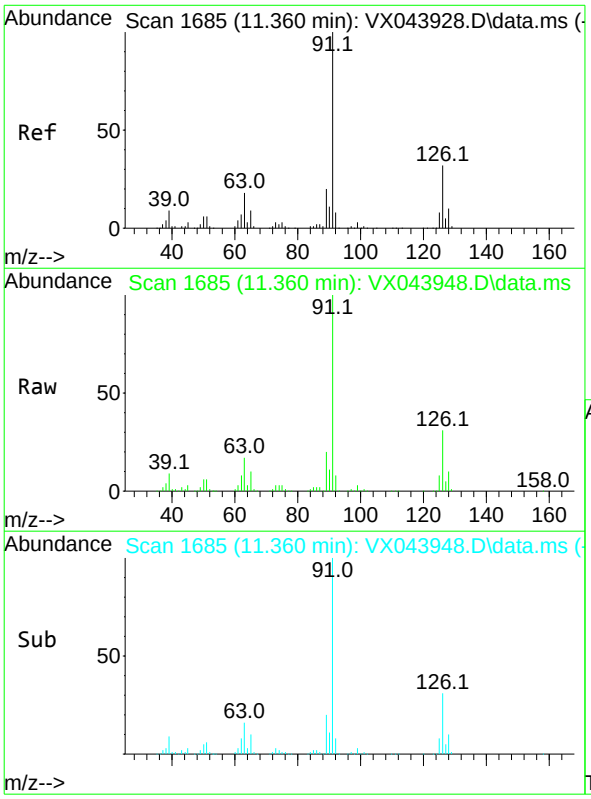
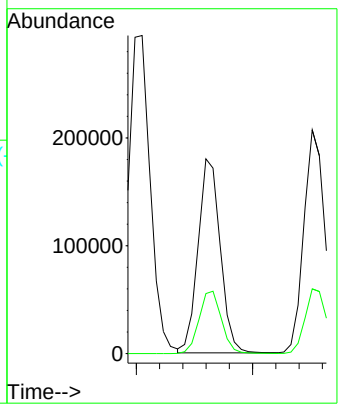


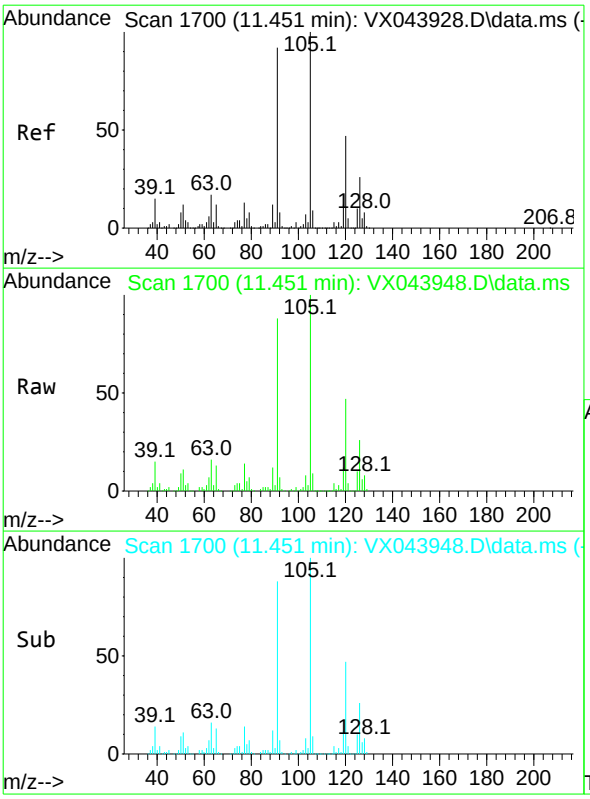




#79
2-Chlorotoluene
Concen: 47.553 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 238757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.6 | 16.6 | 49.8 |






#80
1,3,5-Trimethylbenzene
Concen: 48.122 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 281466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 23.3 | 69.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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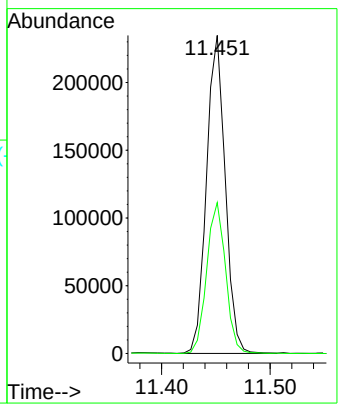
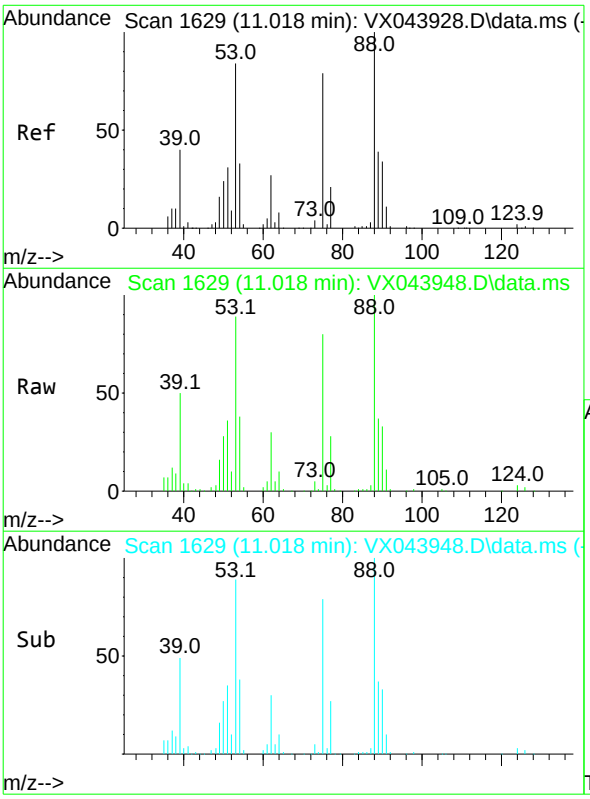
Supervised By :Semsettin Yesilyurt 11/29/2024

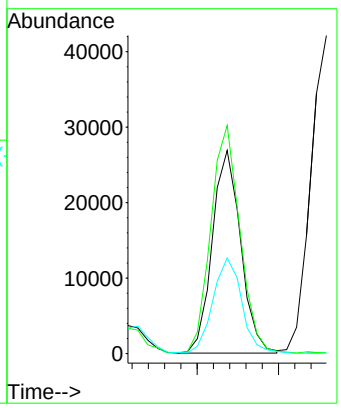


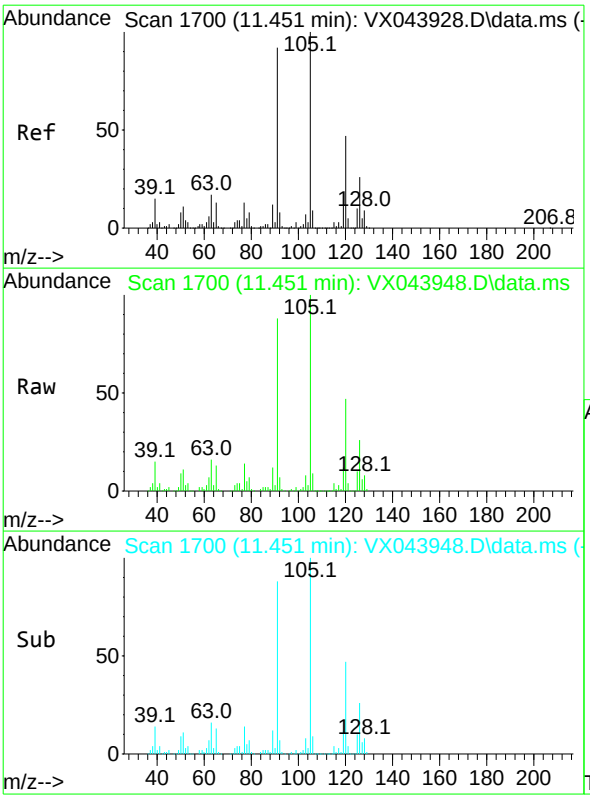




#81
trans-1,4-Dichloro-2-butene
Concen: 43.834 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 32581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.0 | 86.7 | 130.1 |
| 89 | 48.1 | 38.2 | 57.2 |






#82
4-Chlorotoluene
Concen: 47.202 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 267563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.3 | 42.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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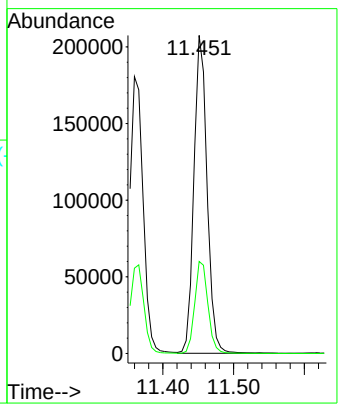
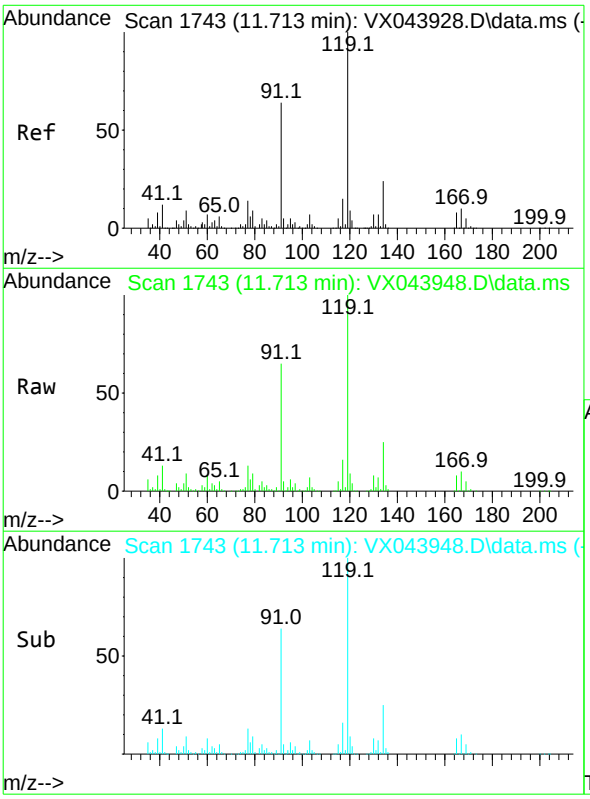
Supervised By :Semsettin Yesilyurt 11/29/2024

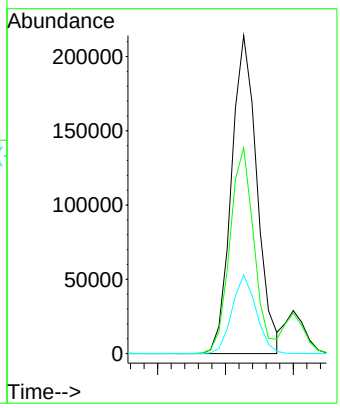


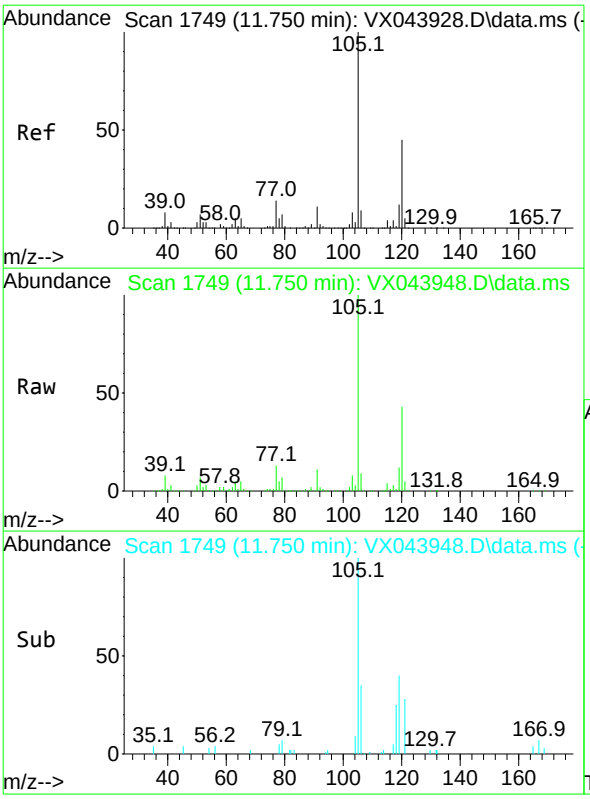




#83
tert-Butylbenzene
Concen: 48.270 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:119 Resp: 279835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.7 | 31.0 | 93.0 |
| 134 | 23.4 | 11.6 | 34.8 |

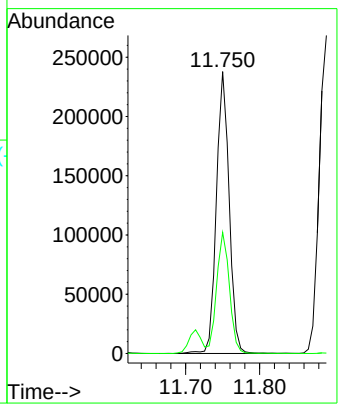





#84
1,2,4-Trimethylbenzene
Concen: 48.867 ug/l
RT: 11.750 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 284559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.9 | 65.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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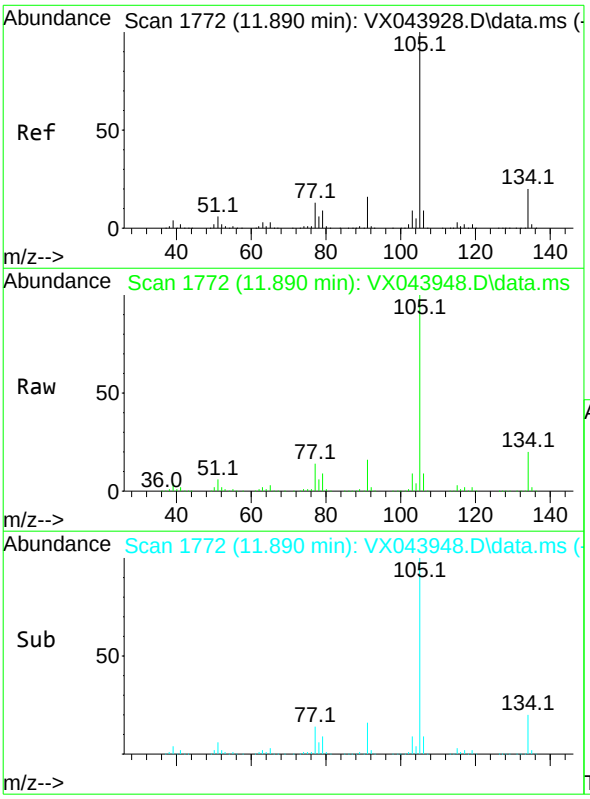
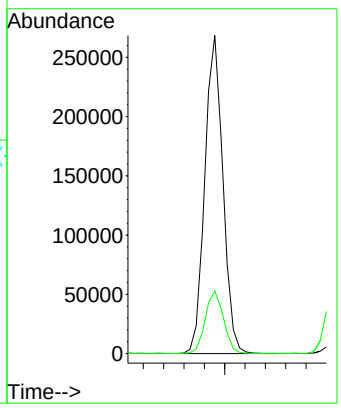
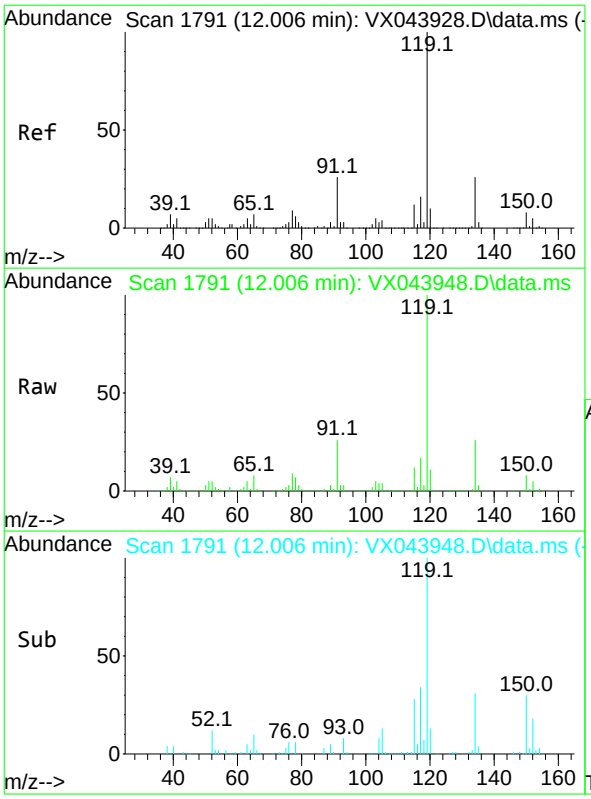



#85
sec-Butylbenzene
Concen: 46.678 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 331556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.7 | 29.1 |






#86
p-Isopropyltoluene
Concen: 48.009 ug/l
RT: 12.006 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:119 Resp: 276997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 13.0 | 38.9 |
| 91 | 25.4 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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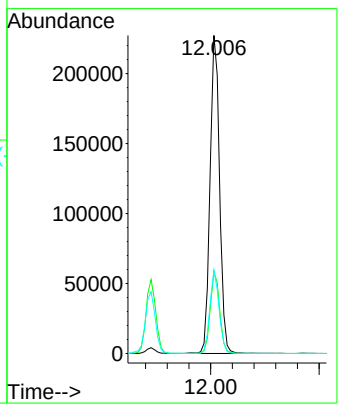
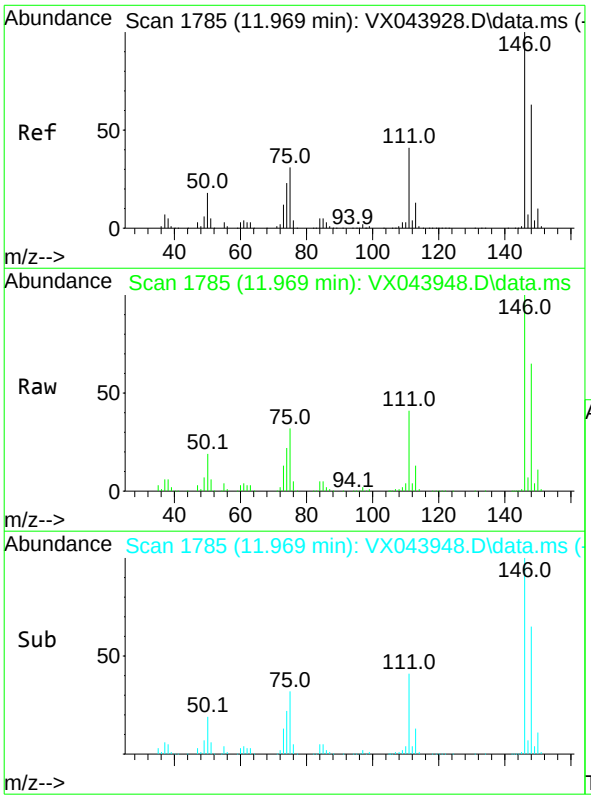
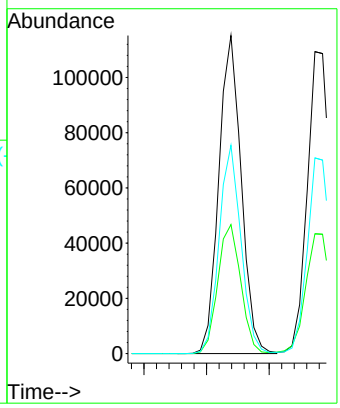


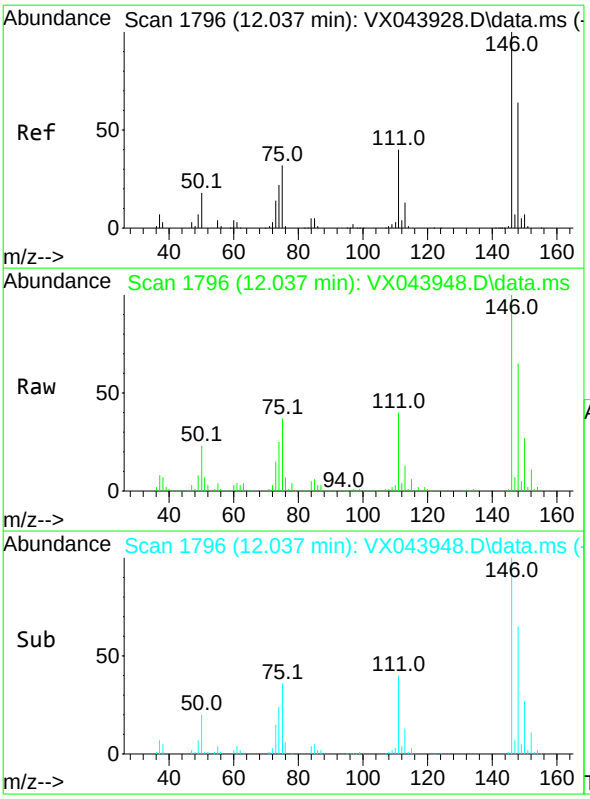




#87
1,3-Dichlorobenzene
Concen: 46.544 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:146 Resp: 143767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.1 | 63.3 |
| 148 | 63.8 | 31.7 | 95.1 |






#88
1,4-Dichlorobenzene
Concen: 45.502 ug/l
RT: 12.037 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:146 Resp: 143294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.1 | 60.3 |
| 148 | 64.8 | 30.9 | 92.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
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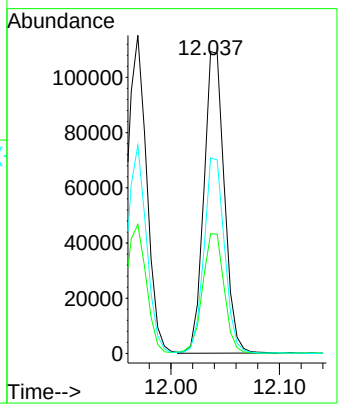
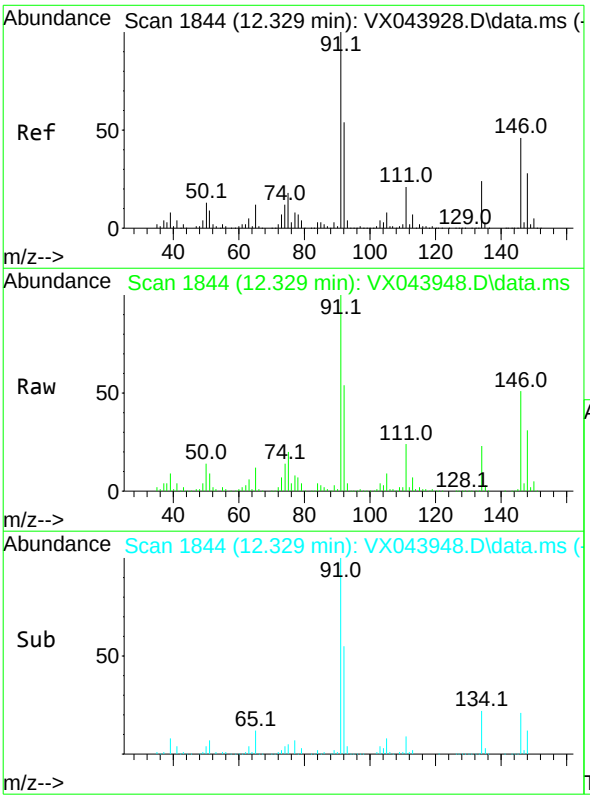
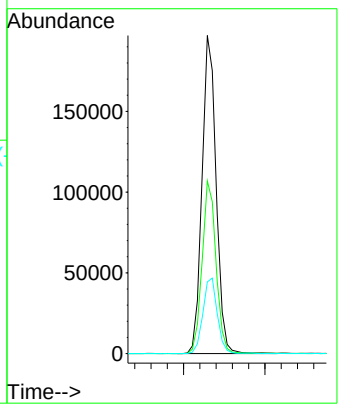


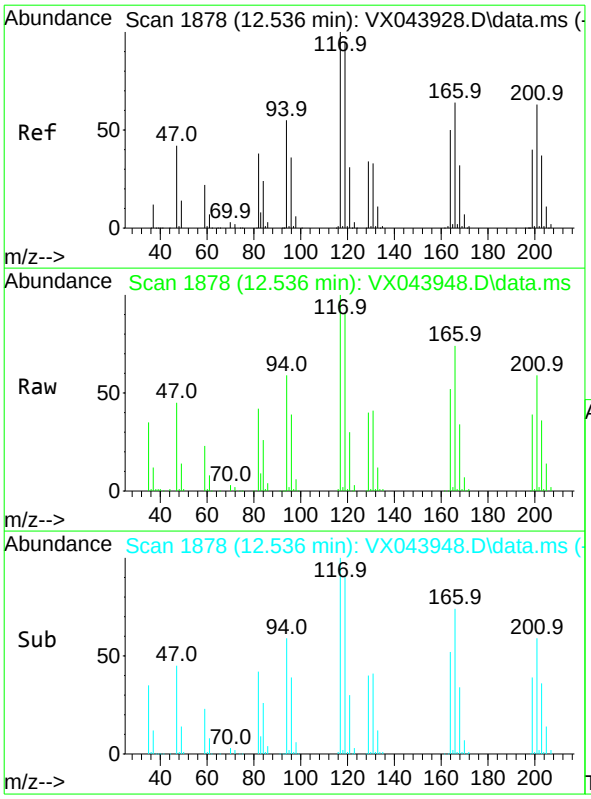




#89
n-Butylbenzene
Concen: 46.555 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 236825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.8 |
| 134 | 24.2 | 12.4 | 37.2 |

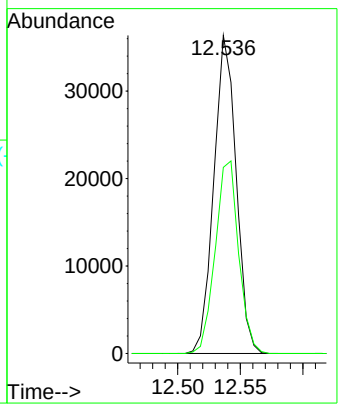





#90
Hexachloroethane
Concen: 46.006 ug/l
RT: 12.536 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:117 Resp: 45136

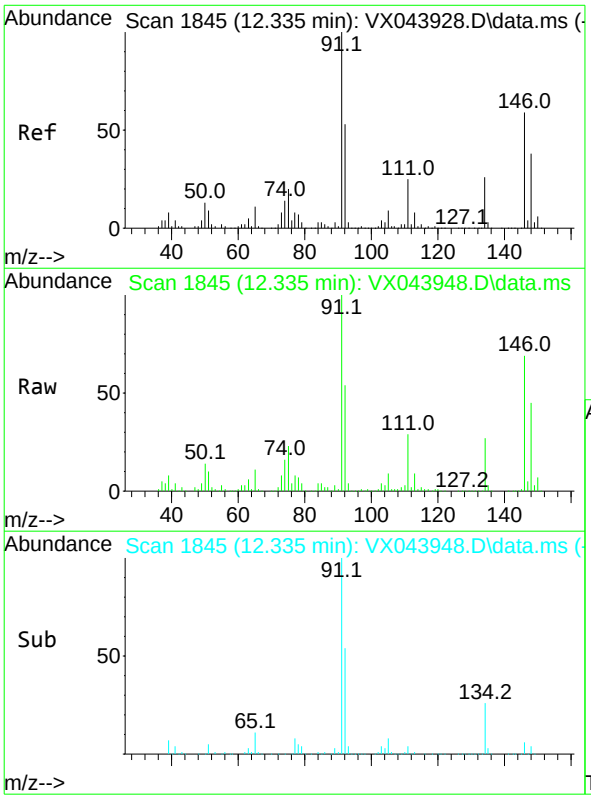
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 32.4 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

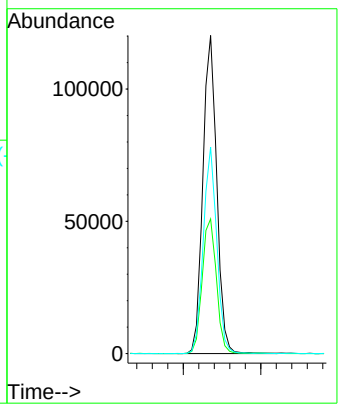
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

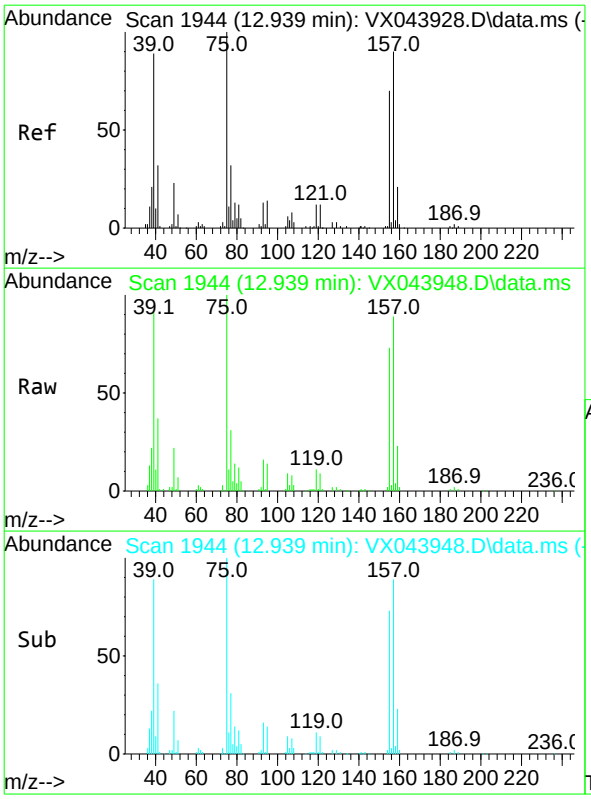



#91
1,2-Dichlorobenzene
Concen: 48.027 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:146 Resp: 149710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.5 | 64.5 |
| 148 | 63.4 | 31.9 | 95.5 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 46.583 ug/l
RT: 12.939 min Scan# 19
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

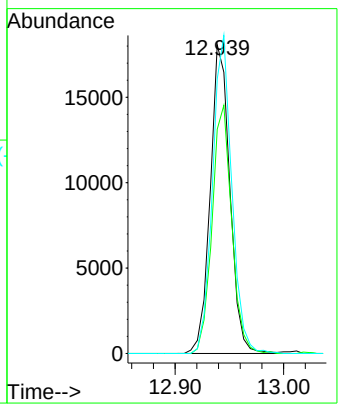
Tgt Ion: 75 Resp: 22722

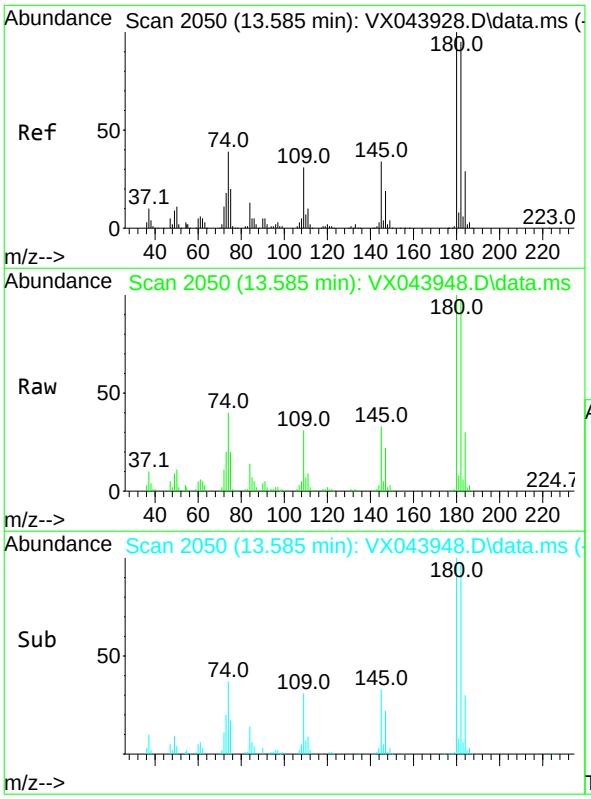
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.4 | 40.1 | 120.2 |
| 157 | 101.4 | 49.6 | 149.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

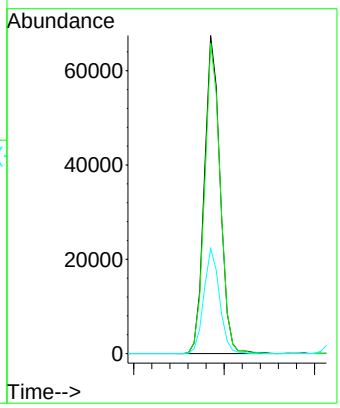


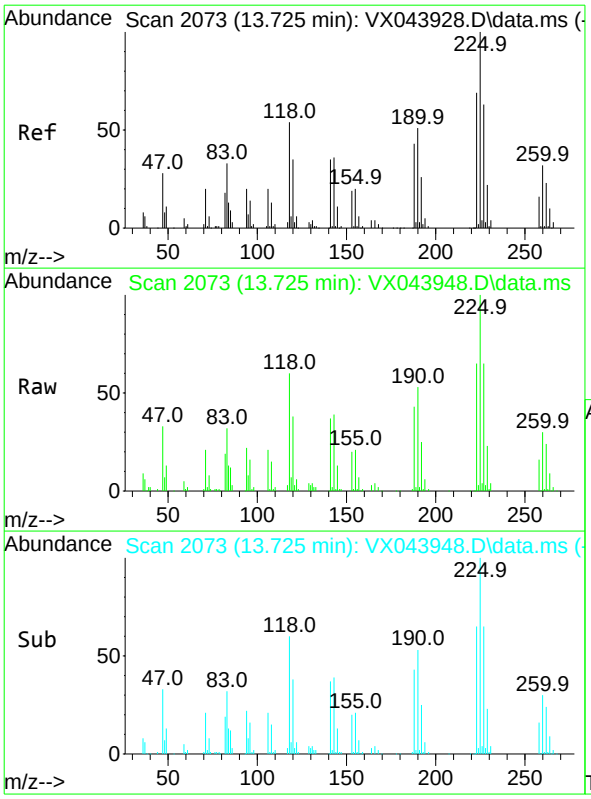




#93
1,2,4-Trichlorobenzene
Concen: 44.267 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:180 Resp: 81352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 33.0 | 16.8 | 50.4 |

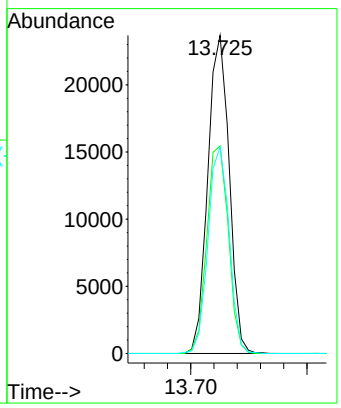





#94
Hexachlorobutadiene
Concen: 41.728 ug/l
RT: 13.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:225 Resp: 30308

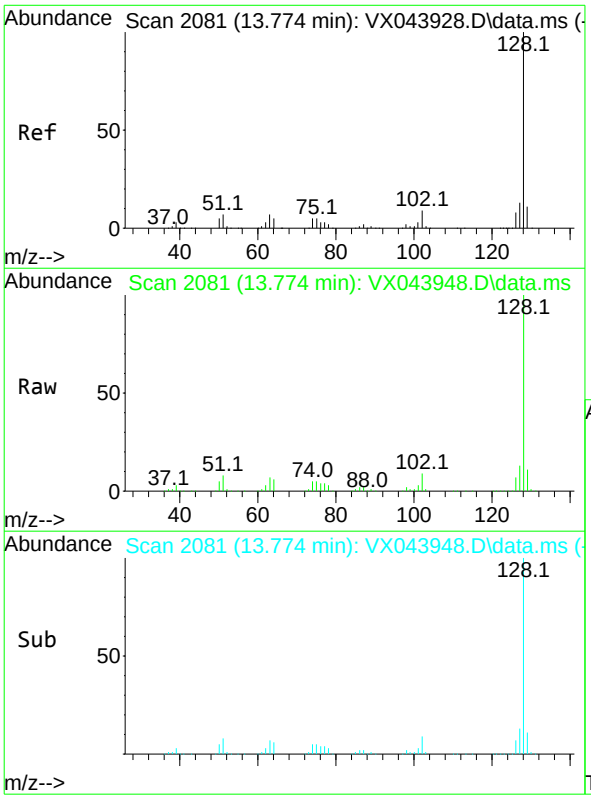
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 32.9 | 98.6 |
| 227 | 63.9 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

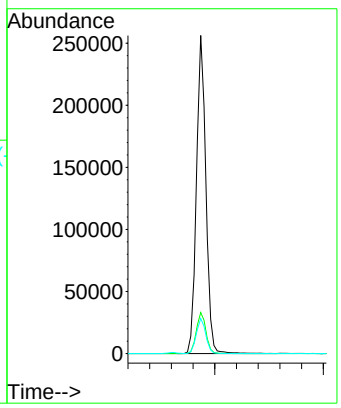
Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

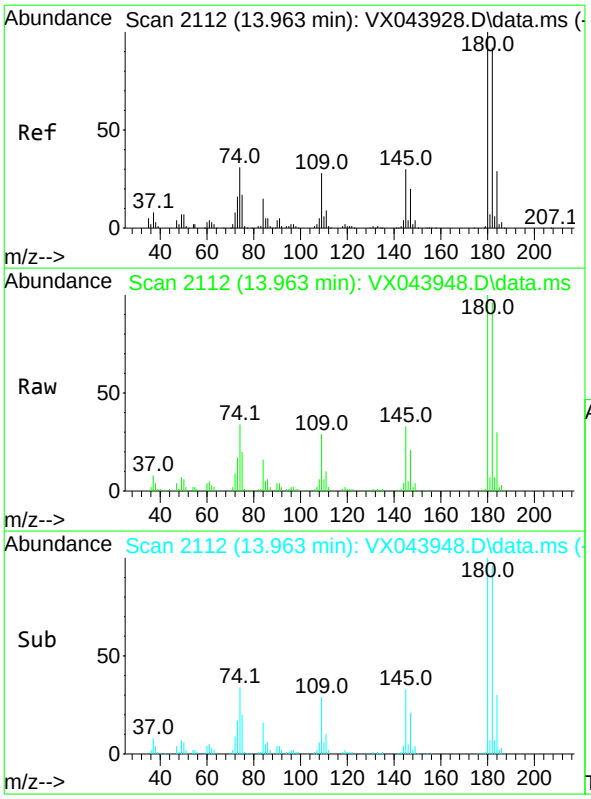



#95
Naphthalene
Concen: 46.709 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:128 Resp: 309000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.2 |
| 129 | 11.1 | 8.6 | 12.8 |

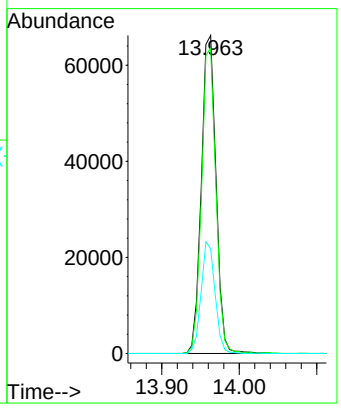





#96
1,2,3-Trichlorobenzene
Concen: 46.788 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:180 Resp: 87030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 45.6 | 136.8 |
| 145 | 33.4 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :Mahesh Dadoda 11/29/2024
Supervised By :Semsettin Yesilyurt 11/29/2024

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.633 | 0.607 | 4.1 | 81 | 0.00 |
| 3 | P | Chloromethane | 0.667 | 0.697 | -4.5 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 0.709 | 0.706 | 0.4# | 84 | 0.00 |
| 5 | T | Bromomethane | 0.436 | 0.421 | 3.4 | 86 | 0.00 |
| 6 | T | Chloroethane | 0.432 | 0.403 | 6.7 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.268 | 1.142 | 9.9 | 76 | 0.00 |
| 8 | T | Diethyl Ether | 0.462 | 0.447 | 3.2 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.548 | 9.4 | 76 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.757 | -0.3 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.138 | 0.131 | 5.1 | 82 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.576 | 0.550 | 4.5# | 83 | 0.00 |
| 13 | T | Acrolein | 0.145 | 0.150 | -3.4 | 94 | 0.00 |
| 14 | T | Allyl chloride | 0.941 | 0.934 | 0.7 | 81 | 0.00 |
| 15 | T | Acrylonitrile | 0.335 | 0.340 | -1.5 | 83 | 0.00 |
| 16 | T | Acetone | 0.394 | 0.312 | 20.8 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 1.188 | 1.054 | 11.3 | 74 | 0.00 |
| 18 | T | Methyl Acetate | 0.917 | 0.850 | 7.3 | 78 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.092 | 2.128 | -1.7 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 0.668 | 0.639 | 4.3 | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.595 | 0.587 | 1.3 | 84 | 0.00 |
| 22 | T | Diisopropyl ether | 2.013 | 2.044 | -1.5 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 1.722 | 1.701 | 1.2 | 80 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.161 | 1.175 | -1.2 | 85 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.482 | 5.1 | 77 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.049 | 0.906 | 13.6 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.735 | 0.740 | -0.7 | 85 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.484 | 5.3 | 98 | 0.01 |
| 29 | T | Tetrahydrofuran | 0.312 | 0.307 | 1.6 | 83 | 0.00 |
| 30 | C | Chloroform | 1.249 | 1.251 | -0.2# | 86 | 0.00 |
| 31 | T | Cyclohexane | 0.956 | 0.883 | 7.6 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.078 | -0.1 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.858 | 0.898 | -4.7 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.357 | 0.357 | 0.0 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.419 | 5.8 | 83 | 0.01 |
| 37 | T | Ethyl Acetate | 0.553 | 0.491 | 11.2 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.458 | 8.4 | 80 | 0.00 |
| 39 | T | Methylcyclohexane | 0.578 | 0.507 | 12.3 | 75 | 0.00 |
| 40 | TM | Benzene | 1.387 | 1.328 | 4.3 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 0.283 | 0.276 | 2.5 | 82 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.557 | 0.528 | 5.2 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.880 | 0.821 | 6.7 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 0.393 | 0.327 | 16.8 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.340 | 0.333 | 2.1# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.264 | 1.9 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 0.482 | 0.468 | 2.9 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 0.422 | 0.397 | 5.9 | 83 | 0.00 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 83 | 0.00 |
| 50 | S | Toluene-d8 | 1.232 | 1.228 | 0.3 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.537 | 0.526 | 2.0 | 84 | 0.00 |
| 52 | CM | Toluene | 0.830 | 0.807 | 2.8# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.491 | 0.468 | 4.7 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.539 | 0.513 | 4.8 | 82 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.325 | 5.2 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.534 | 0.529 | 0.9 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.577 | 0.566 | 1.9 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.273 | 0.000 | 100.0# | 0# | -8.24# |
| 59 | T | 2-Hexanone | 0.403 | 0.387 | 4.0 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 0.344 | 0.326 | 5.2 | 80 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.346 | 0.344 | 0.6 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.419 | 0.423 | -1.0 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.330 | 0.303 | 8.2 | 81 | 0.00 |
| 65 | PM | Chlorobenzene | 1.098 | 1.042 | 5.1 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.356 | 0.357 | -0.3 | 85 | 0.00 |
| 67 | C | Ethyl Benzene | 1.861 | 1.802 | 3.2# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 0.694 | 0.662 | 4.6 | 82 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.664 | 2.1 | 82 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.112 | 0.8 | 83 | 0.00 |
| 71 | P | Bromoform | 0.240 | 0.231 | 3.7 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 3.843 | 3.715 | 3.3 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 1.780 | 1.699 | 4.6 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.316 | 1.276 | 3.0 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.096 | 1.078 | 1.6 | 84 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.868 | 5.3 | 82 | 0.00 |
| 78 | T | n-propylbenzene | 4.293 | 4.153 | 3.3 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.714 | 2.582 | 4.9 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.162 | 3.043 | 3.8 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.402 | 0.352 | 12.4 | 73 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.064 | 2.893 | 5.6 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.134 | 3.026 | 3.4 | 81 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.148 | 3.077 | 2.3 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.840 | 3.585 | 6.6 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.119 | 2.995 | 4.0 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.670 | 1.554 | 6.9 | 81 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.702 | 1.549 | 9.0 | 80 | 0.00 |
| 89 | T | n-Butylbenzene | 2.750 | 2.561 | 6.9 | 74 | 0.00 |
| 90 | T | Hexachloroethane | 0.530 | 0.488 | 7.9 | 76 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.685 | 1.619 | 3.9 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.246 | 6.8 | 80 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.994 | 0.880 | 11.5 | 75 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.393 | 0.328 | 16.5 | 73 | 0.00 |
| 95 | T | Naphthalene | 3.576 | 3.341 | 6.6 | 77 | 0.00 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 0.941 | 6.5 | 78 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.904 | 4.2 | 81 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.257 | -4.5 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.757 | 0.5# | 84 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.287 | 3.4 | 86 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.701 | 6.6 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 45.031 | 9.9 | 76 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.410 | 3.2 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 45.315 | 9.4 | 76 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.141 | -0.3 | 85 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 238.198 | 4.7 | 82 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.761 | 4.5# | 83 | 0.00 |
| 13 | T | Acrolein | 250.000 | 259.090 | -3.6 | 94 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.631 | 0.7 | 81 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 253.290 | -1.3 | 83 | 0.00 |
| 16 | T | Acetone | 250.000 | 198.241 | 20.7 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.323 | 11.4 | 74 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.317 | 7.4 | 78 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.856 | -1.7 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.787 | 4.4 | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.318 | 1.4 | 84 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.776 | -1.6 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 246.967 | 1.2 | 80 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.577 | -1.2 | 85 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 237.298 | 5.1 | 77 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.198 | 13.6 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.303 | -0.6 | 85 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 47.325 | 5.3 | 98 | 0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 246.701 | 1.3 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.067 | -0.1# | 86 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.170 | 7.7 | 77 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.058 | -0.1 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.331 | -4.7 | 109 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.962 | 0.1 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.024 | 6.0 | 83 | 0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 44.407 | 11.2 | 78 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 45.803 | 8.4 | 80 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.844 | 12.3 | 75 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.897 | 4.2 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.819 | 2.4 | 82 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.383 | 5.2 | 85 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.698 | 6.6 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 41.669 | 16.7 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.052 | 1.9# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.158 | 1.7 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.549 | 2.9 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.093 | 5.8 | 83 | 0.00 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 920.558 | 7.9 | 83 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.856 | 0.3 | 108 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 244.942 | 2.0 | 84 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.620 | 2.8# | 85 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.657 | 4.7 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.592 | 4.8 | 82 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.467 | 5.1 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.597 | 0.8 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.060 | 1.9 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 0.000 | 100.0# | 0 | -8.24# |
| 59 | T | 2-Hexanone | 250.000 | 239.878 | 4.0 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.372 | 5.3 | 80 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.699 | 0.6 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.418 | -0.8 | 106 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.958 | 8.1 | 81 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.425 | 5.2 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.161 | -0.3 | 85 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.420 | 3.2# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.380 | 4.6 | 82 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.978 | 2.0 | 82 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.604 | 0.8 | 83 | 0.00 |
| 71 | P | Bromoform | 50.000 | 43.157 | 13.7 | 76 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.323 | 3.4 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.714 | 4.6 | 78 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.461 | 3.1 | 84 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.141 | 1.7 | 84 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.340 | 5.3 | 82 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 48.379 | 3.2 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.553 | 4.9 | 83 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.122 | 3.8 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 43.834 | 12.3 | 73 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 47.202 | 5.6 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.270 | 3.5 | 81 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 48.867 | 2.3 | 82 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.678 | 6.6 | 78 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.009 | 4.0 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.544 | 6.9 | 81 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.502 | 9.0 | 80 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 46.555 | 6.9 | 74 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.006 | 8.0 | 76 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.027 | 3.9 | 84 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 46.583 | 6.8 | 80 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 44.267 | 11.5 | 75 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.728 | 16.5 | 73 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.709 | 6.6 | 77 | 0.00 |

Sample Results: **VX043948.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.788 | 6.4 | 78 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043950.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chloromethane | 0.667 | 0.733 | 0.1 | 9.9 | 20 |
| Vinyl Chloride | 0.709 | 0.742 | | 4.65 | 20 |
| Bromomethane | 0.436 | 0.458 | | 5.05 | 20 |
| Chloroethane | 0.432 | 0.419 | | -3.01 | 20 |
| Trichlorofluoromethane | 1.268 | 1.478 | | 16.56 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.652 | | 7.77 | 20 |
| 1,1-Dichloroethene | 0.576 | 0.586 | | 1.74 | 20 |
| Acetone | 0.394 | 0.395 | | 0.25 | 20 |
| Carbon Disulfide | 1.188 | 1.132 | | -4.71 | 20 |
| Methyl tert-butyl Ether | 2.092 | 2.228 | | 6.5 | 20 |
| Methylene Chloride | 0.668 | 0.684 | | 2.39 | 20 |
| trans-1,2-Dichloroethene | 0.595 | 0.624 | | 4.87 | 20 |
| 1,1-Dichloroethane | 1.161 | 1.252 | 0.1 | 7.84 | 20 |
| 2-Butanone | 0.508 | 0.528 | | 3.94 | 20 |
| Carbon Tetrachloride | 0.500 | 0.540 | | 8 | 20 |
| cis-1,2-Dichloroethene | 0.735 | 0.765 | | 4.08 | 20 |
| Chloroform | 1.249 | 1.325 | | 6.09 | 20 |
| 1,1,1-Trichloroethane | 1.077 | 1.175 | | 9.1 | 20 |
| Methylcyclohexane | 0.578 | 0.634 | | 9.69 | 20 |
| Benzene | 1.387 | 1.498 | | 8 | 20 |
| 1,2-Dichloroethane | 0.557 | 0.607 | | 8.98 | 20 |
| Trichloroethene | 0.393 | 0.368 | | -6.36 | 20 |
| 1,2-Dichloropropane | 0.340 | 0.374 | | 10 | 20 |
| Bromodichloromethane | 0.482 | 0.527 | | 9.34 | 20 |
| 4-Methyl-2-Pentanone | 0.537 | 0.578 | | 7.64 | 20 |
| Toluene | 0.830 | 0.912 | | 9.88 | 20 |
| t-1,3-Dichloropropene | 0.491 | 0.540 | | 9.98 | 20 |
| cis-1,3-Dichloropropene | 0.539 | 0.582 | | 7.98 | 20 |
| 1,1,2-Trichloroethane | 0.343 | 0.359 | | 4.66 | 20 |
| 2-Hexanone | 0.403 | 0.435 | | 7.94 | 20 |
| Dibromochloromethane | 0.344 | 0.370 | | 7.56 | 20 |
| Tetrachloroethene | 0.330 | 0.358 | | 8.48 | 20 |
| Chlorobenzene | 1.098 | 1.156 | 0.3 | 5.28 | 20 |
| Ethyl Benzene | 1.861 | 2.060 | | 10.69 | 20 |
| m/p-Xylenes | 0.694 | 0.769 | | 10.81 | 20 |
| o-Xylene | 0.678 | 0.748 | | 10.32 | 20 |
| Styrene | 1.121 | 1.258 | | 12.22 | 20 |
| Bromoform | 0.240 | 0.263 | 0.1 | 9.58 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX043950.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Isopropylbenzene | 3.843 | 4.000 | | 4.09 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.316 | 1.353 | 0.3 | 2.81 | 20 |
| 1,3-Dichlorobenzene | 1.670 | 1.740 | | 4.19 | 20 |
| 1,4-Dichlorobenzene | 1.702 | 1.754 | | 3.06 | 20 |
| 1,2-Dichlorobenzene | 1.685 | 1.762 | | 4.57 | 20 |
| 1,2-Dichloroethane-d4 | 0.858 | 0.843 | | -1.75 | 20 |
| Dibromofluoromethane | 0.357 | 0.359 | | 0.56 | 20 |
| Toluene-d8 | 1.232 | 1.251 | | 1.54 | 20 |
| 4-Bromofluorobenzene | 0.419 | 0.433 | | 3.34 | 20 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 119844 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 210147 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179277 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 88069 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 100999 | 49.135 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.280% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 75489 | 50.272 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.540% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 262790 | 50.769 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.540% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 91050 | 51.686 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 83769 | 55.175 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 87811 | 54.963 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 88877 | 52.301 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 54869 | 52.486 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 50225 | 48.505 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 177113 | 58.296 | ug/l | 97 |
| 8) Diethyl Ether | 2.130 | 74 | 56649 | 51.158 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78101 | 53.892 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 94503 | 52.213 | ug/l | 98 |
| 11) Tert butyl alcohol | 3.002 | 59 | 78161 | 236.901 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 70195 | 50.831 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 87414 | 251.363 | ug/l | 96 |
| 14) Allyl chloride | 2.654 | 41 | 121345 | 53.777 | ug/l | 98 |
| 15) Acrylonitrile | 3.063 | 53 | 213507 | 265.550 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 236749 | 250.770 | ug/l | 97 |
| 17) Carbon Disulfide | 2.502 | 76 | 135635 | 47.616 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 113509 | 51.629 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 267063 | 53.261 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 81941 | 51.146 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 74796 | 52.461 | ug/l | 98 |
| 22) Diisopropyl ether | 3.758 | 45 | 257734 | 53.416 | ug/l | 95 |
| 23) Vinyl Acetate | 3.715 | 43 | 1126489 | 272.921 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 150069 | 53.913 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 316605 | 259.902 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 130610 | 51.956 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 91683 | 52.023 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 59099 | 48.235 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 192093 | 257.216 | ug/l | 99 |
| 30) Chloroform | 5.080 | 83 | 158800 | 53.043 | ug/l | 96 |
| 31) Cyclohexane | 5.458 | 56 | 122162 | 53.324 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 140772 | 54.526 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 103967 | 55.562 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 121804 | 52.440 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 113421 | 53.945 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 133332 | 54.849 | ug/l | 98 |
| 40) Benzene | 6.032 | 78 | 314837 | 54.016 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 61474 | 51.710 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 127580 | 54.501 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 196481 | 53.153 | ug/l | | 99 |
| 44) Trichloroethene | 7.117 | 130 | 77355 | 46.882 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 78579 | 55.044 | ug/l | | 98 |
| 46) Dibromomethane | 7.574 | 93 | 60885 | 53.916 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 110672 | 54.645 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 93037 | 52.453 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 30231 | 956.809 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 607788 | 269.433 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 191750 | 54.965 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 113533 | 54.971 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 122380 | 54.052 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 75441 | 52.387 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121914 | 54.352 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 132364 | 54.563 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 301050 | 244.819 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 456702 | 269.358 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 77811 | 53.853 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 78690 | 54.040 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 64266 | 54.365 | ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 207265 | 52.640 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 70047 | 54.854 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 369374 | 55.362 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 275579 | 110.758 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 134066 | 55.187 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 225568 | 56.140 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 47233 | 48.773 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 352296 | 52.039 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 162994 | 51.973 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 119153 | 51.403 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 100223m | 51.893 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 82907 | 51.338 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 406514 | 53.765 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 246574 | 51.573 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 295006 | 52.968 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 34321 | 48.492 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 281758 | 52.200 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 291225 | 52.754 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 299186 | 53.956 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 360460 | 53.293 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 304159 | 55.361 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 153209 | 52.089 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 154469 | 51.511 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 268422 | 55.414 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 47025 | 50.336 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 155184 | 52.281 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 24188 | 52.076 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 94940 | 54.252 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 35816 | 51.785 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 347826 | 55.215 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 97491 | 55.041 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

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Supervised By :Mahesh Dadoda 11/25/2024

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

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

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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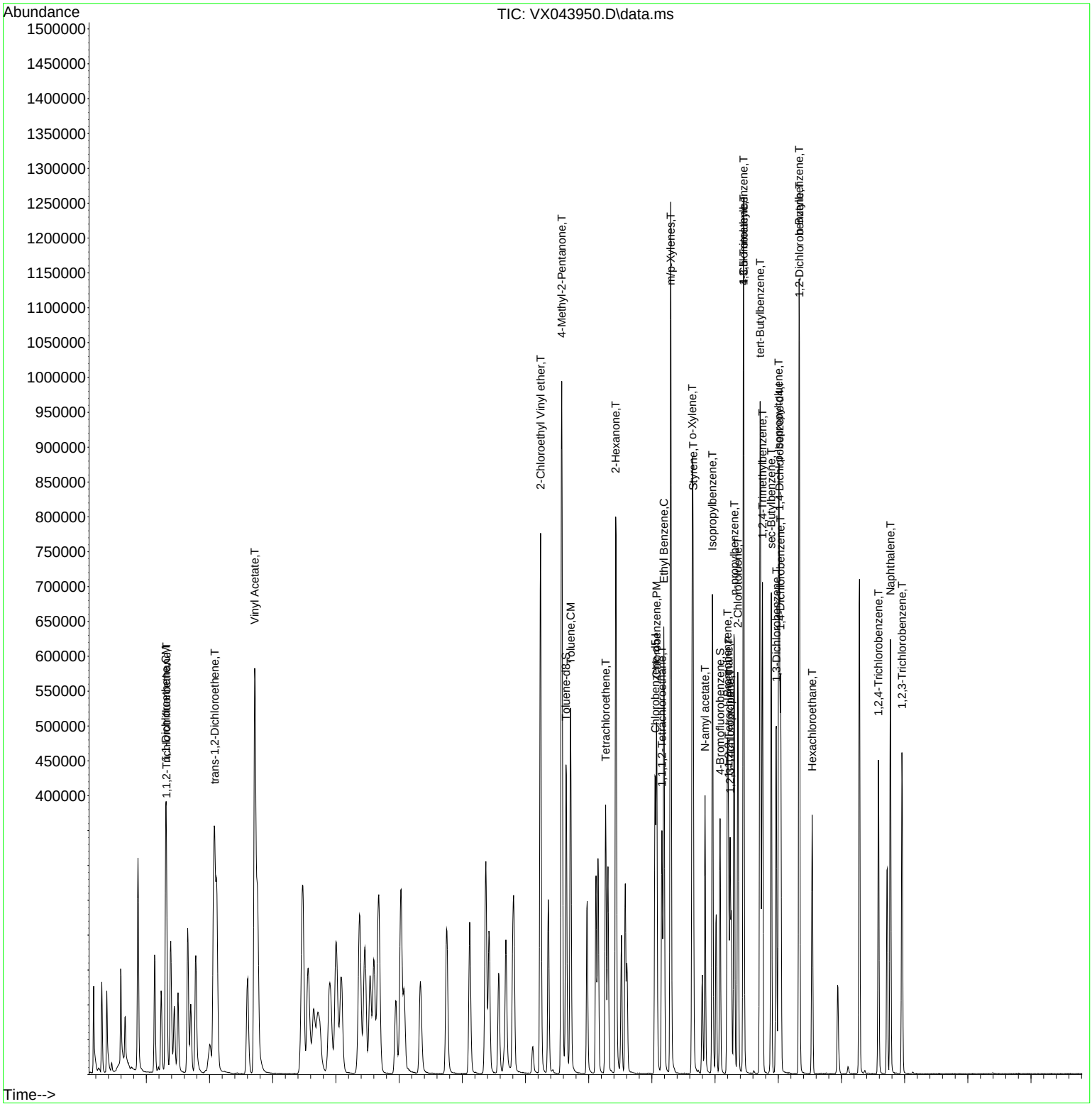
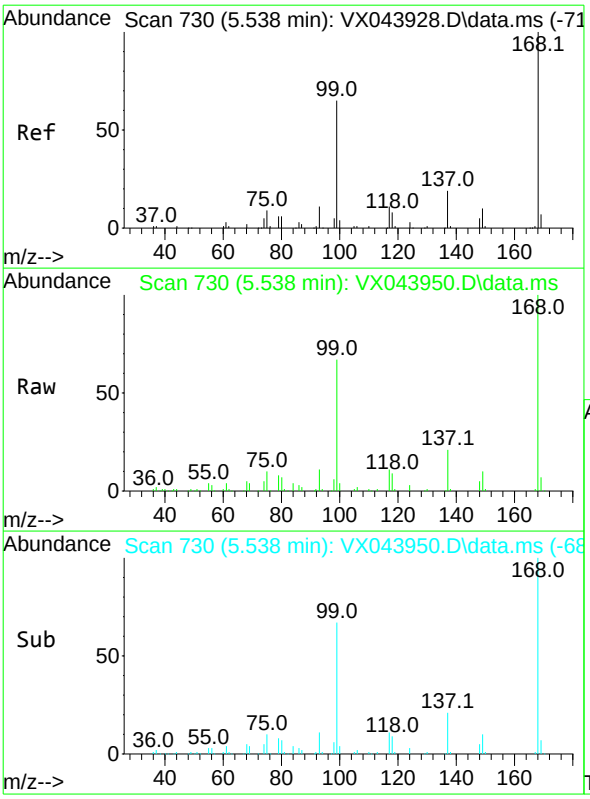
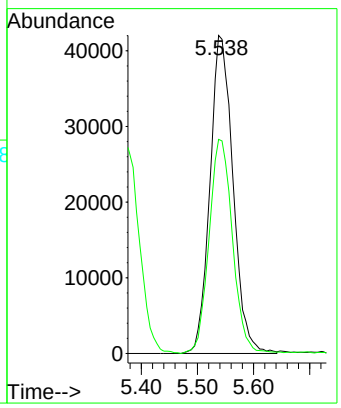





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 73
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:168 Resp: 119844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.1 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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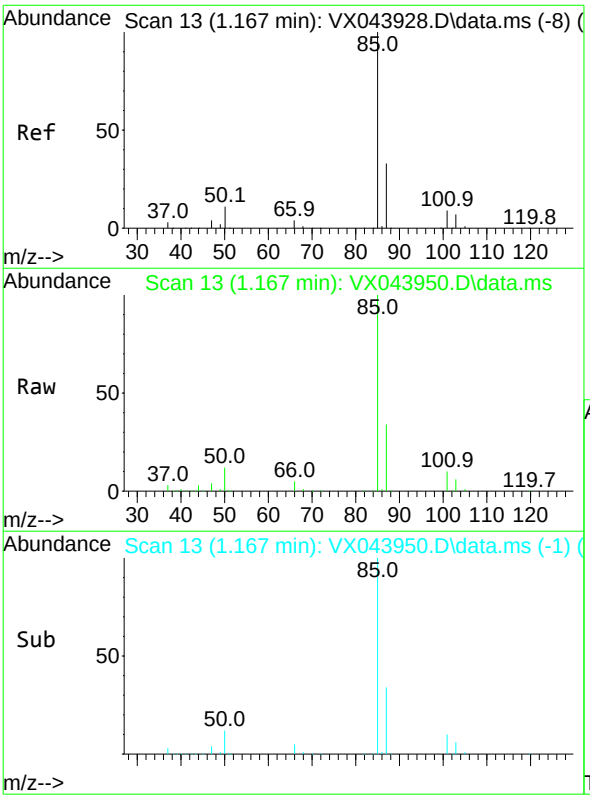
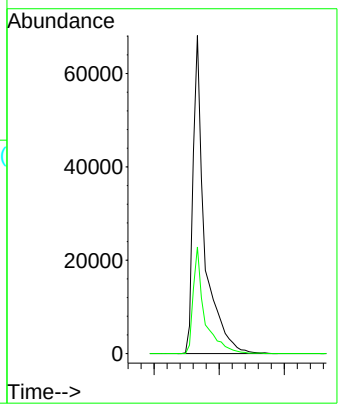
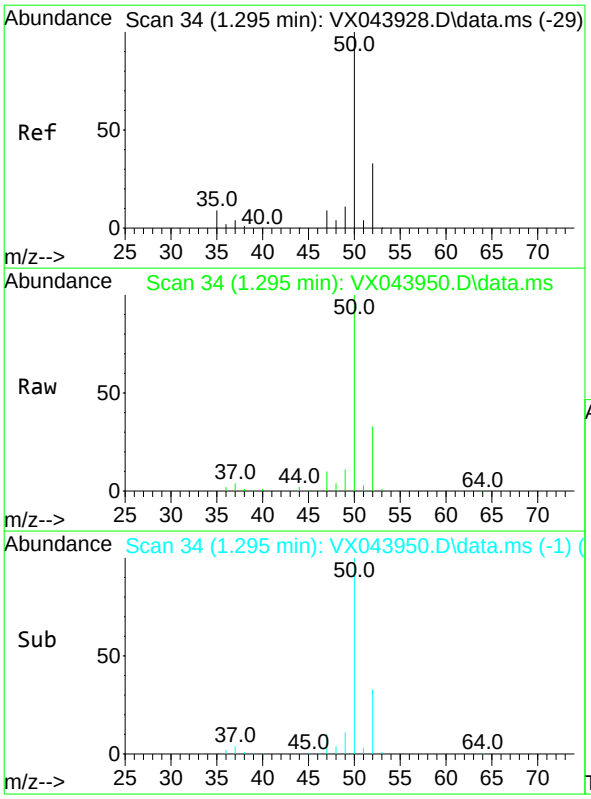



#2
Dichlorodifluoromethane
Concen: 55.175 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.5 | 16.6 | 49.8 |

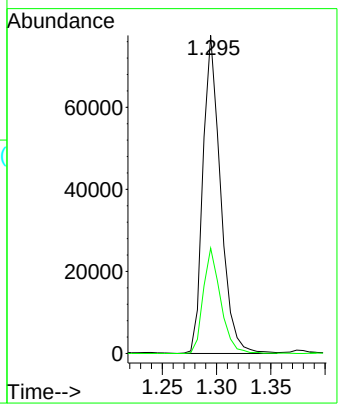





#3
Chloromethane
Concen: 54.963 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 50 Resp: 87811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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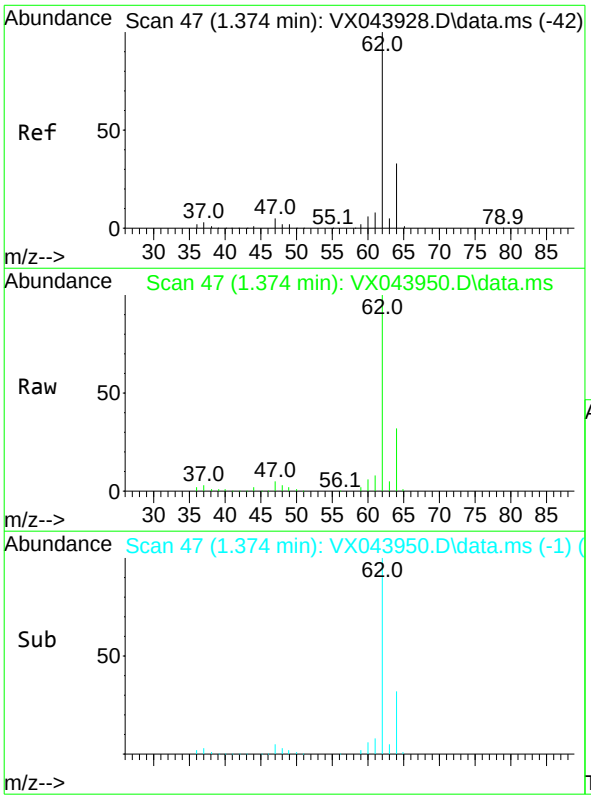
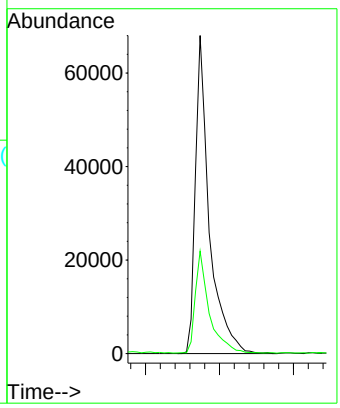
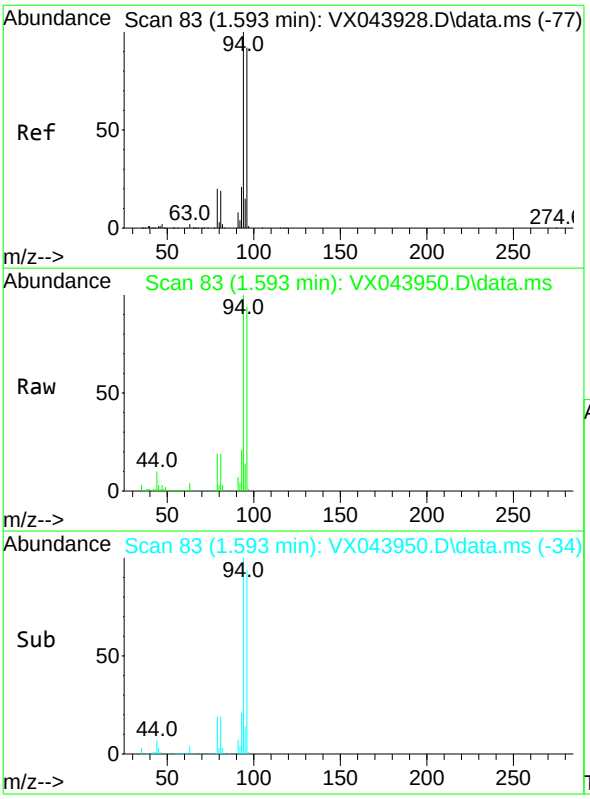



#4
Vinyl Chloride
Concen: 52.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.2 | 39.4 |

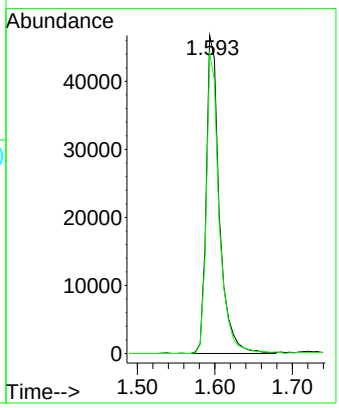





#5
Bromomethane
Concen: 52.486 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 94 Resp: 54869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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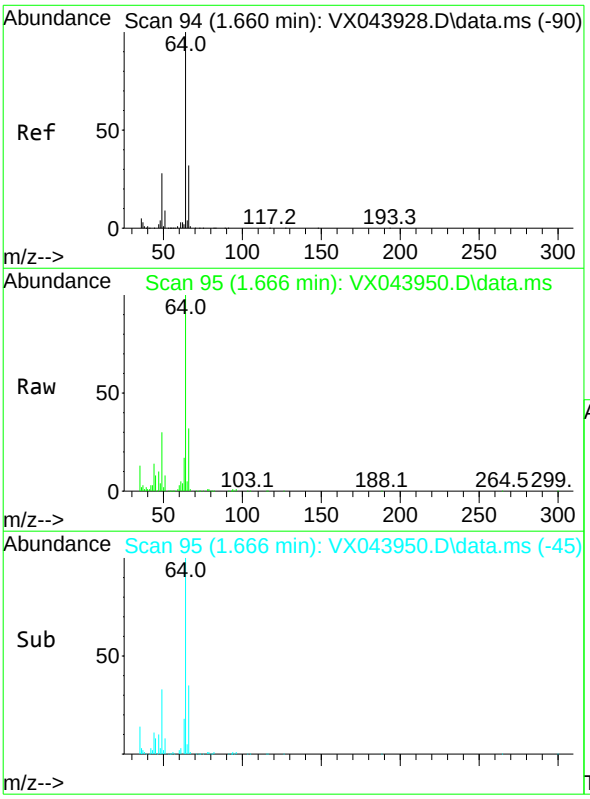
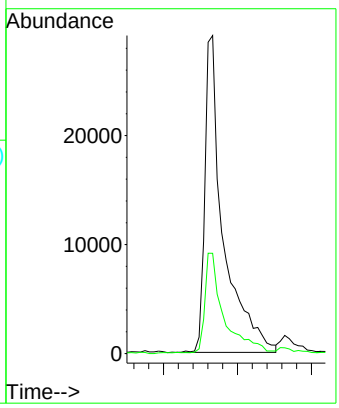
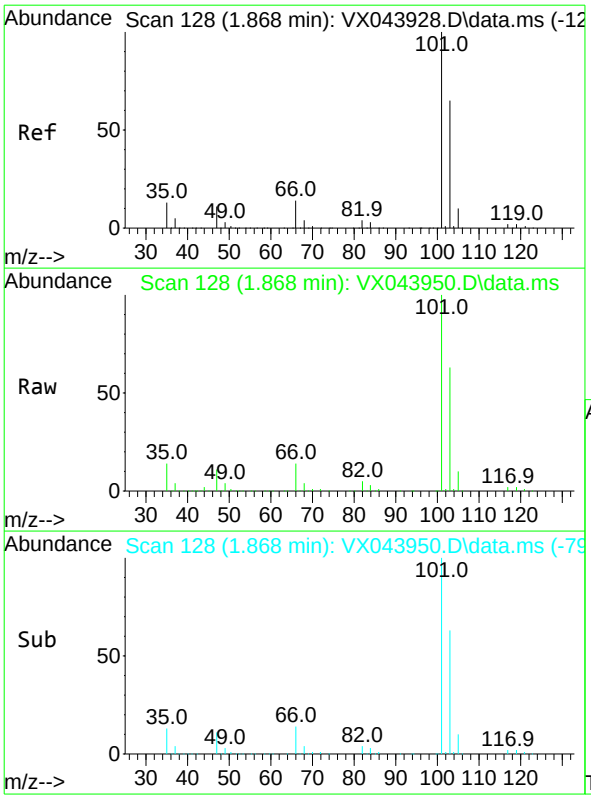



#6
Chloroethane
Concen: 48.505 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 50225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 25.9 | 38.9 |

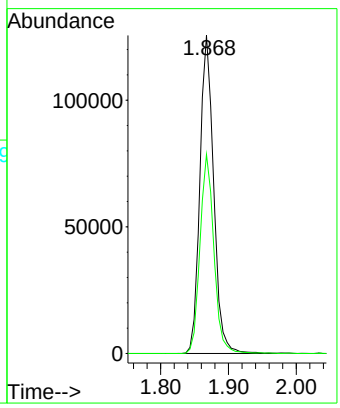





#7
Trichlorofluoromethane
Concen: 58.296 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:101 Resp: 177113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.6 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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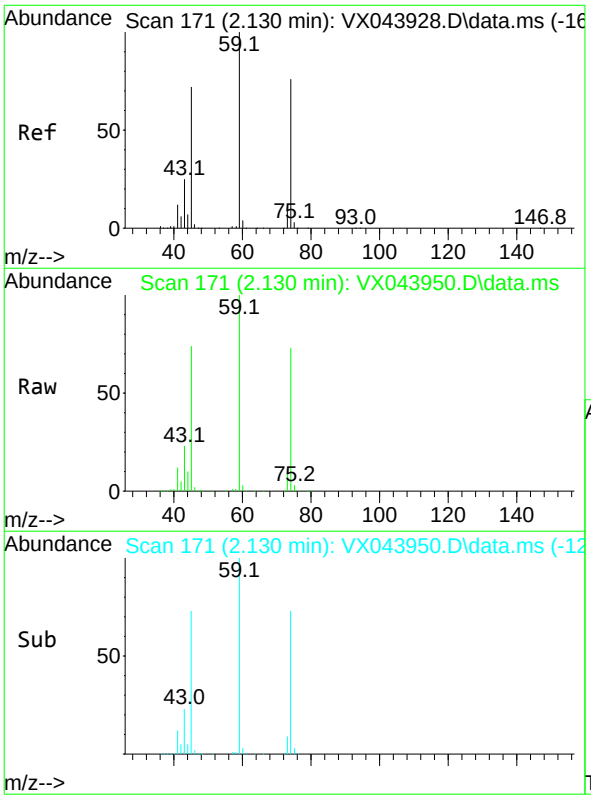
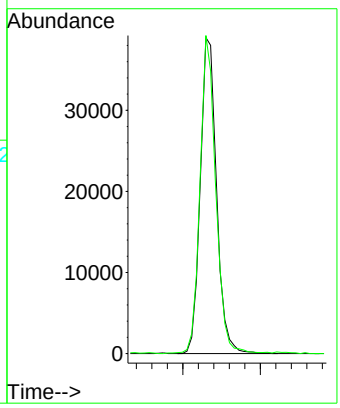
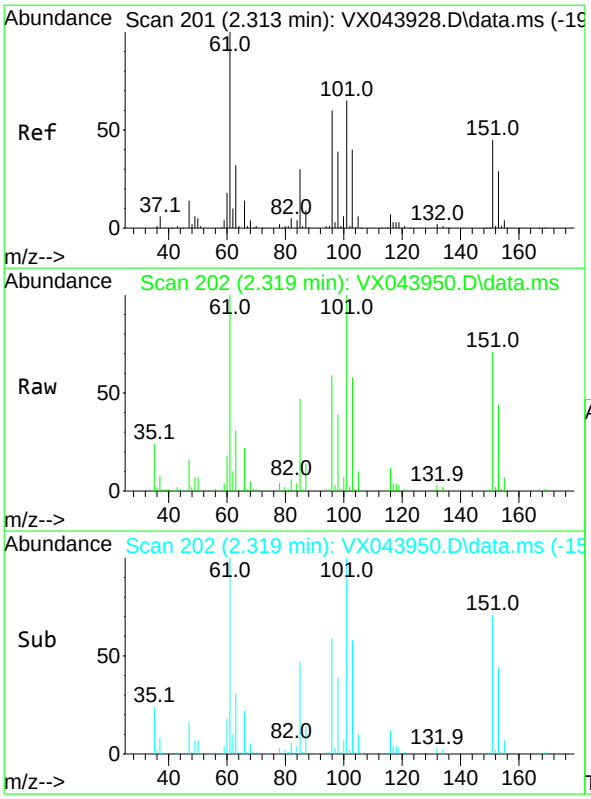



#8
Diethyl Ether
Concen: 51.158 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.892 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 78101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.1 | 37.9 | 56.9 |
| 151 | 70.9 | 57.5 | 86.3 |

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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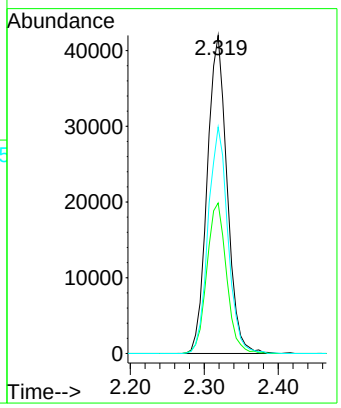
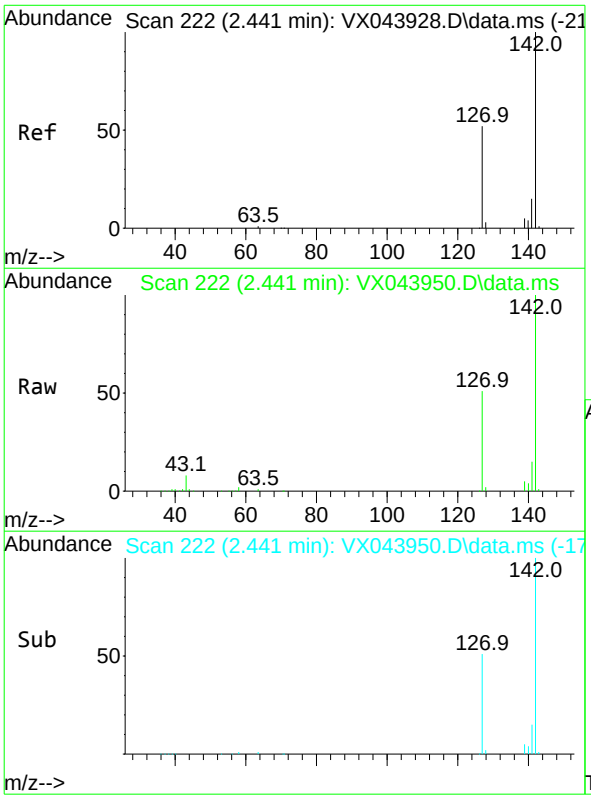
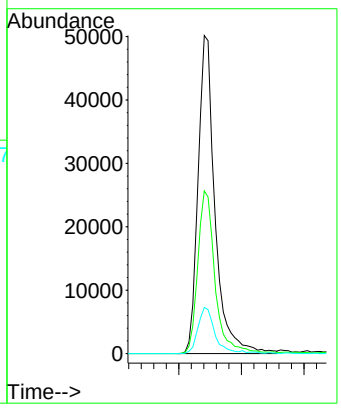


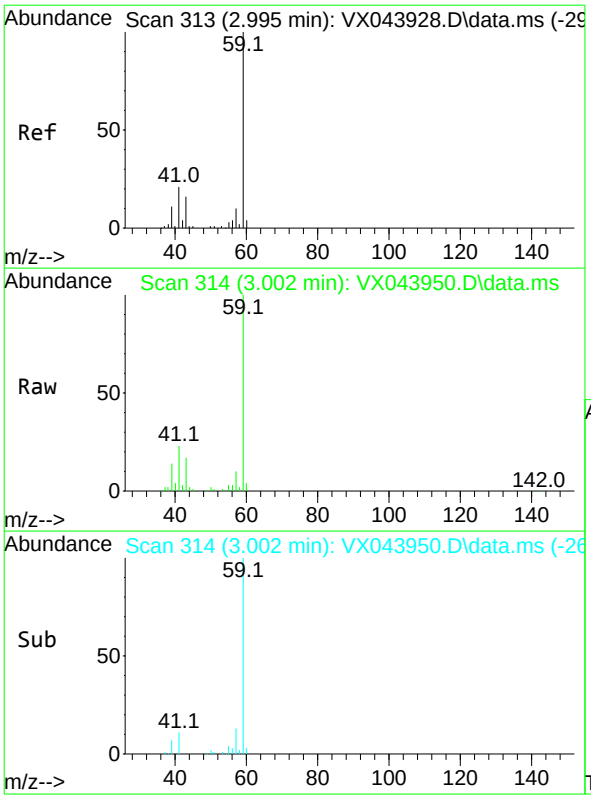




#10
Methyl Iodide
Concen: 52.213 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.2 | 40.7 | 61.1 |
| 141 | 14.7 | 12.0 | 18.0 |






#11
Tert butyl alcohol
Concen: 236.901 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 59 Resp: 78161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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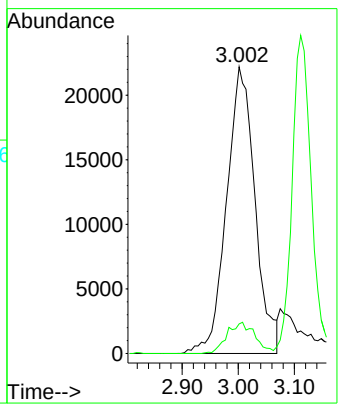
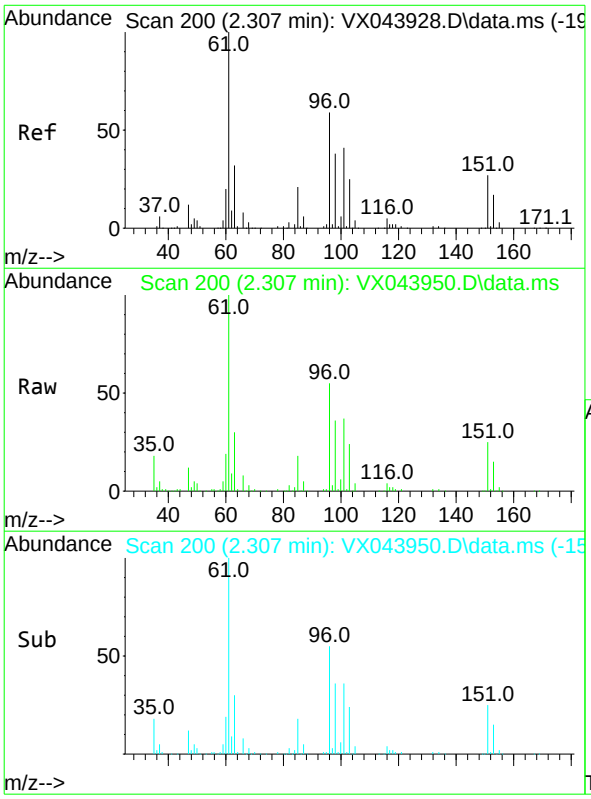
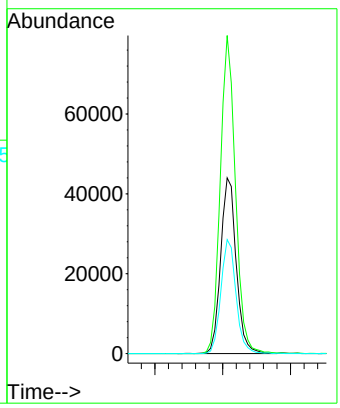


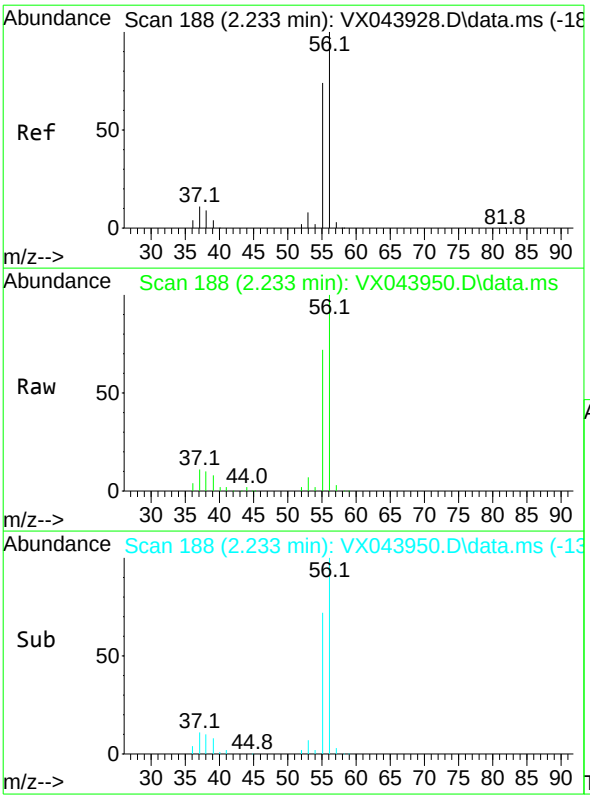




#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 181.0 | 135.5 | 203.3 |
| 98 | 64.9 | 50.8 | 76.2 |

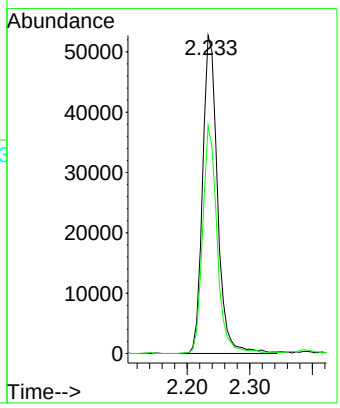





#13
Acrolein
Concen: 251.363 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 56 Resp: 87414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.6 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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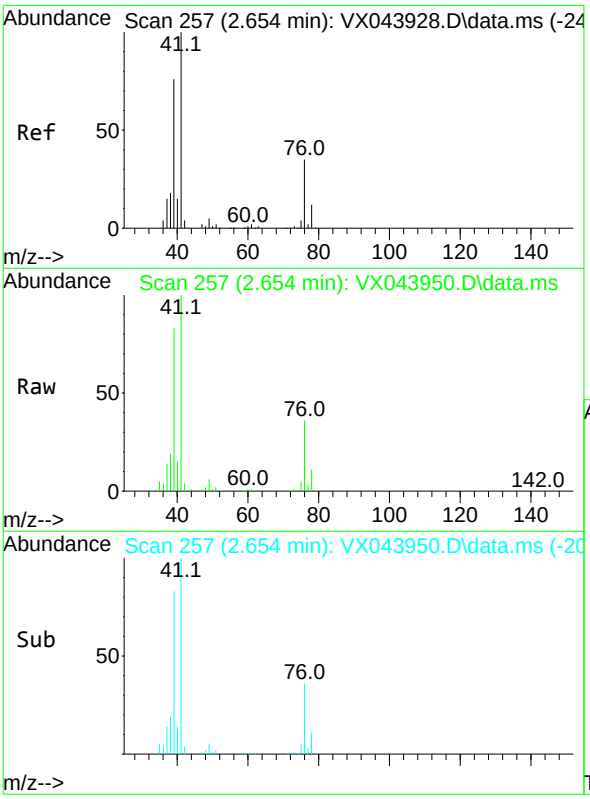
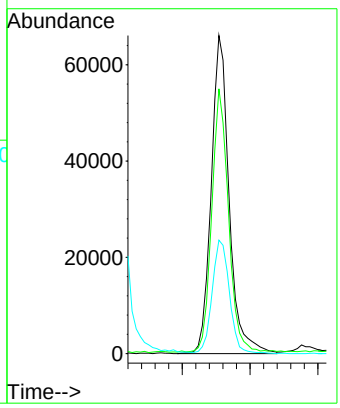
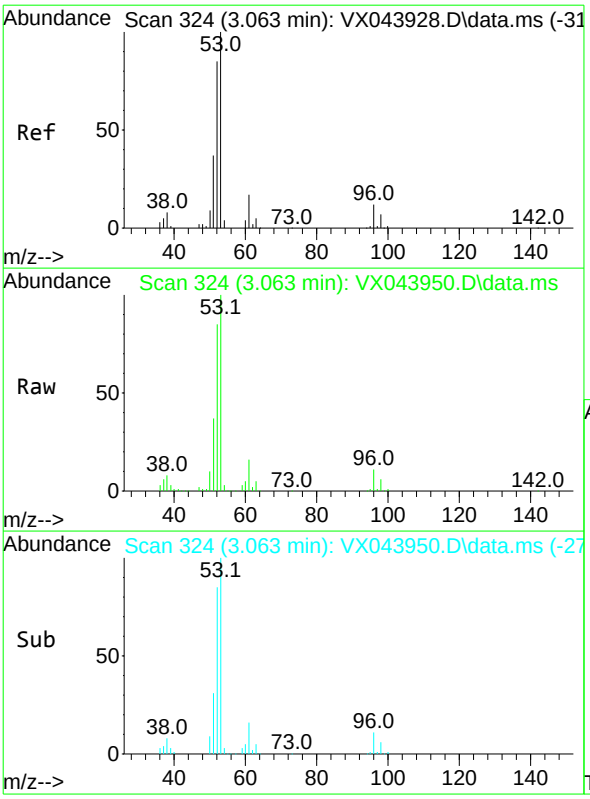



#14
Allyl chloride
Concen: 53.777 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.5 | 27.4 | 41.2 |

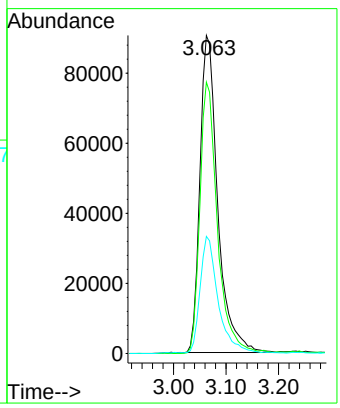





#15
Acrylonitrile
Concen: 265.550 ug/l
RT: 3.063 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 53 Resp: 213507

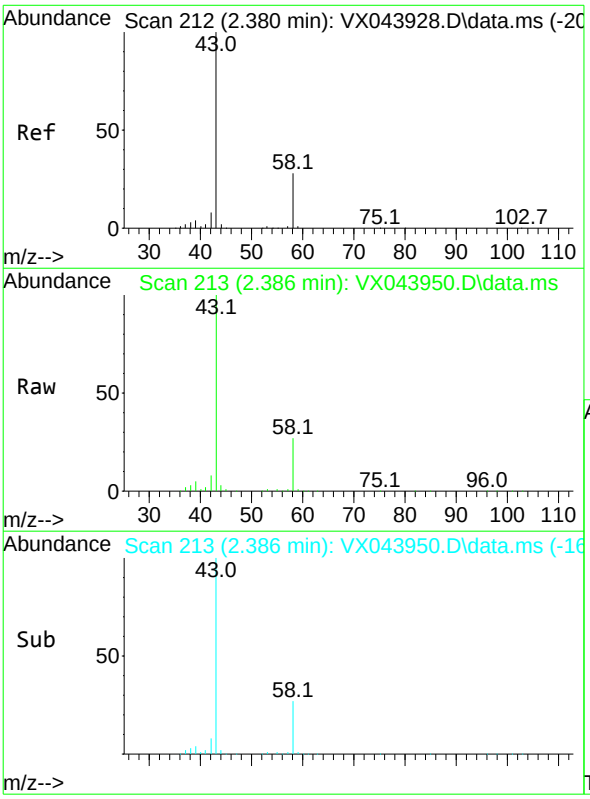
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 66.5 | 99.7 |
| 51 | 37.3 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

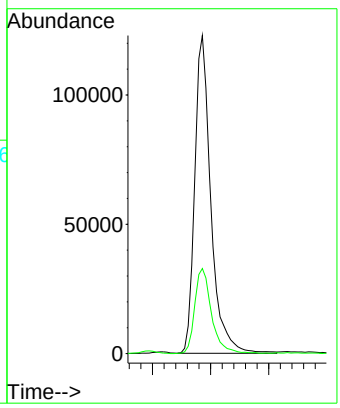
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

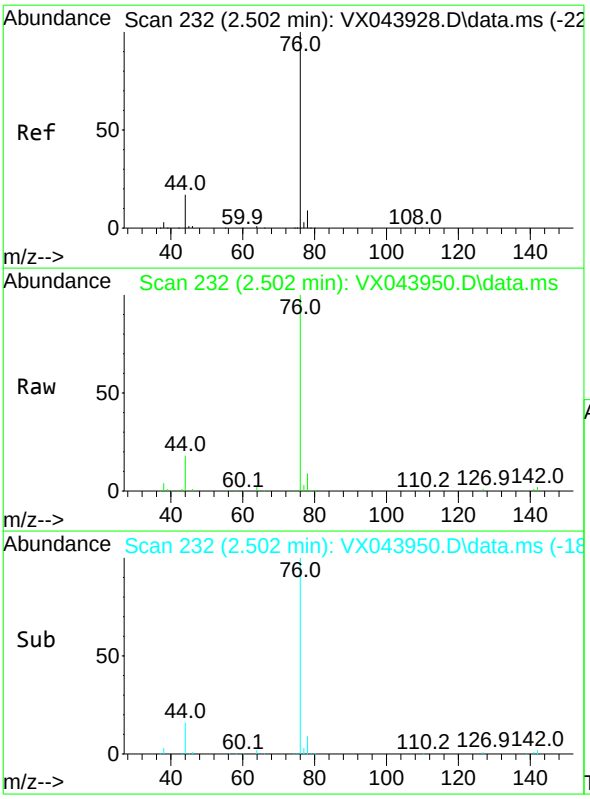



#16
Acetone
Concen: 250.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 47.616 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 135635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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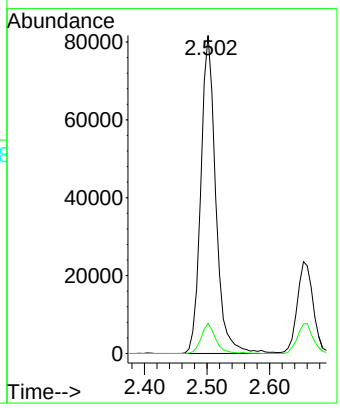
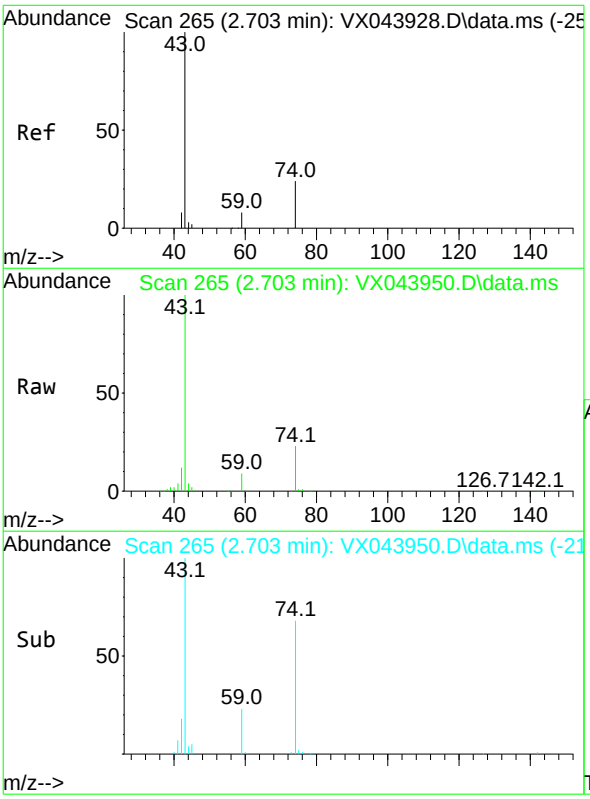
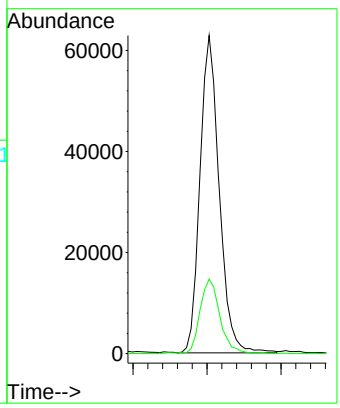


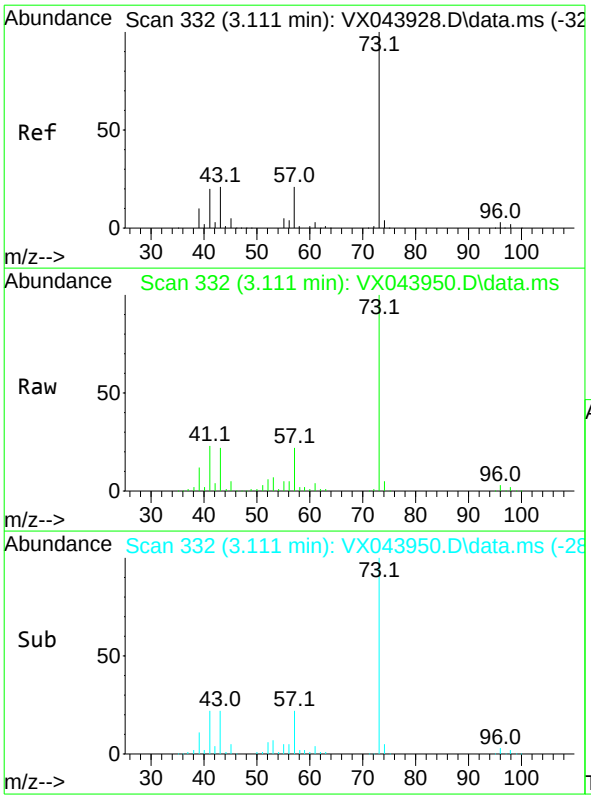




#18
Methyl Acetate
Concen: 51.629 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 18.9 | 28.3 |

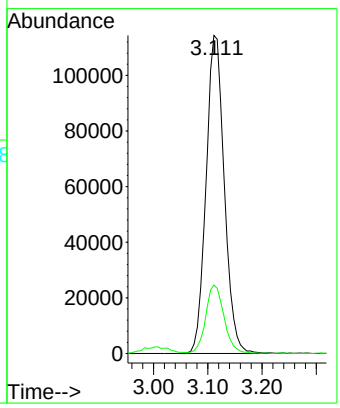





#19
Methyl tert-butyl Ether
Concen: 53.261 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 73 Resp: 267063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.5 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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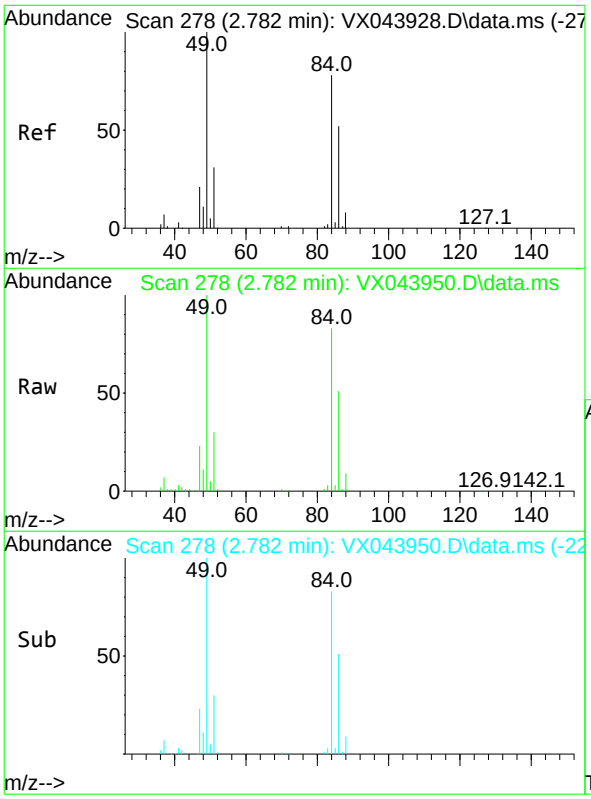
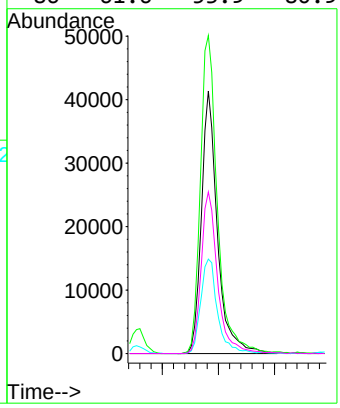
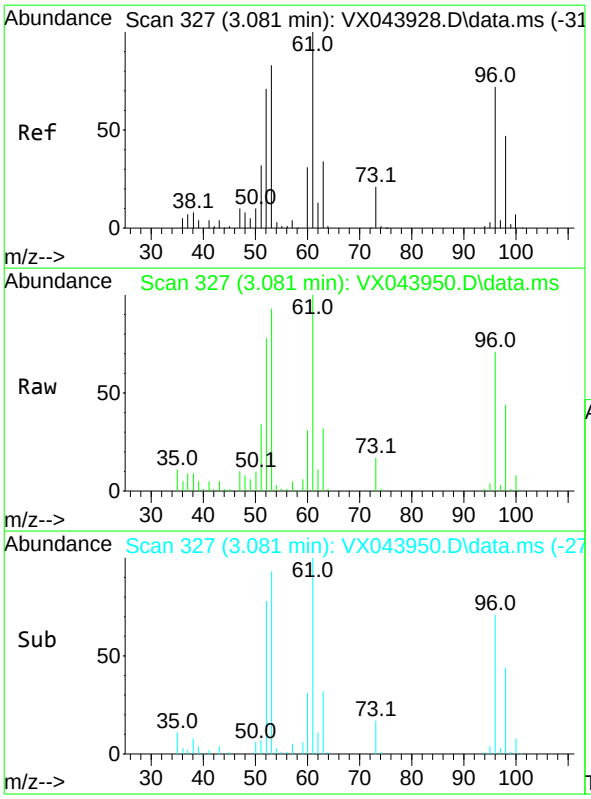



#20
Methylene Chloride
Concen: 51.146 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.1 | 102.7 | 154.1 |
| 51 | 36.0 | 31.7 | 47.5 |
| 86 | 61.6 | 53.9 | 80.9 |

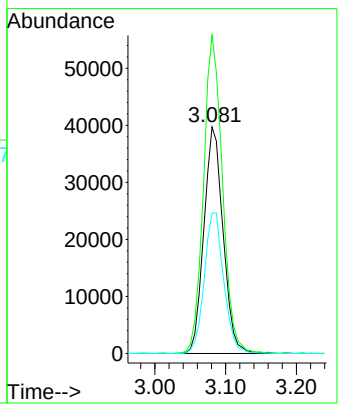





#21
trans-1,2-Dichloroethene
Concen: 52.461 ug/l
RT: 3.081 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 74796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.3 | 111.8 | 167.6 |
| 98 | 61.9 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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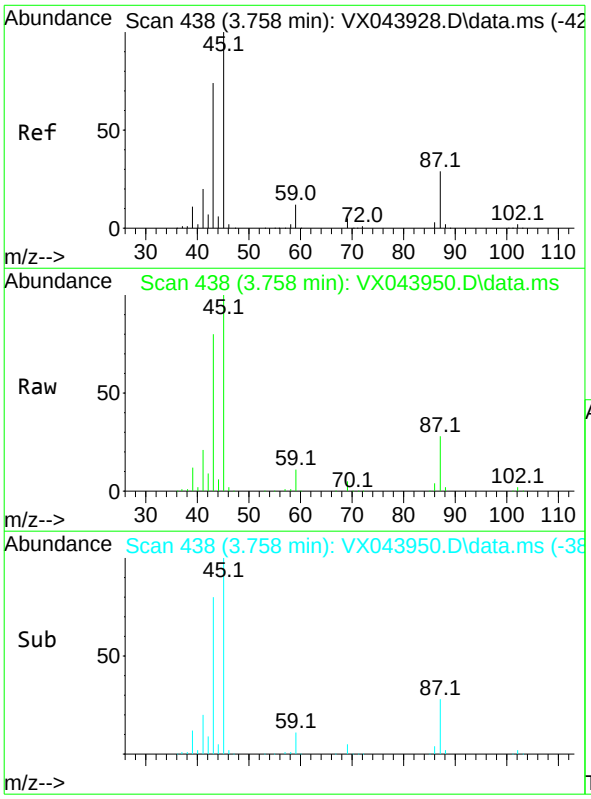
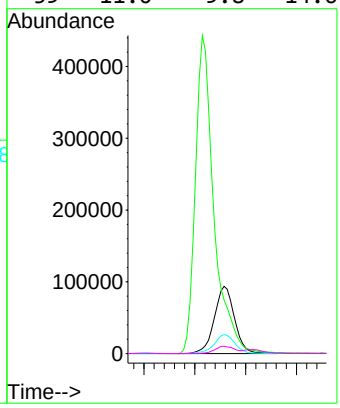
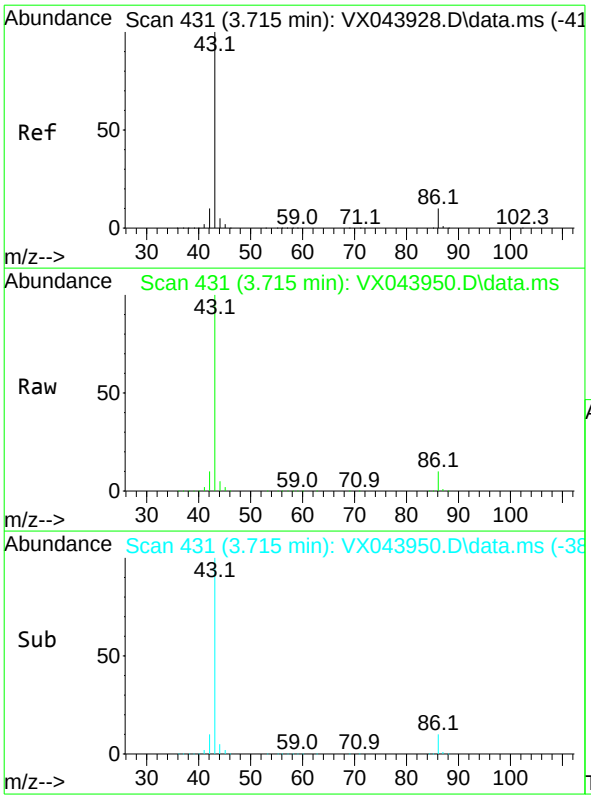



#22
Diisopropyl ether
Concen: 53.416 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 79.7 | 59.6 | 89.4 |
| 87 | 28.1 | 22.9 | 34.3 |
| 59 | 11.0 | 9.8 | 14.6 |

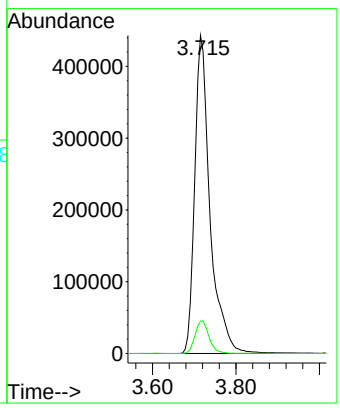





#23
Vinyl Acetate
Concen: 272.921 ug/l
RT: 3.715 min Scan# 43
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 1126489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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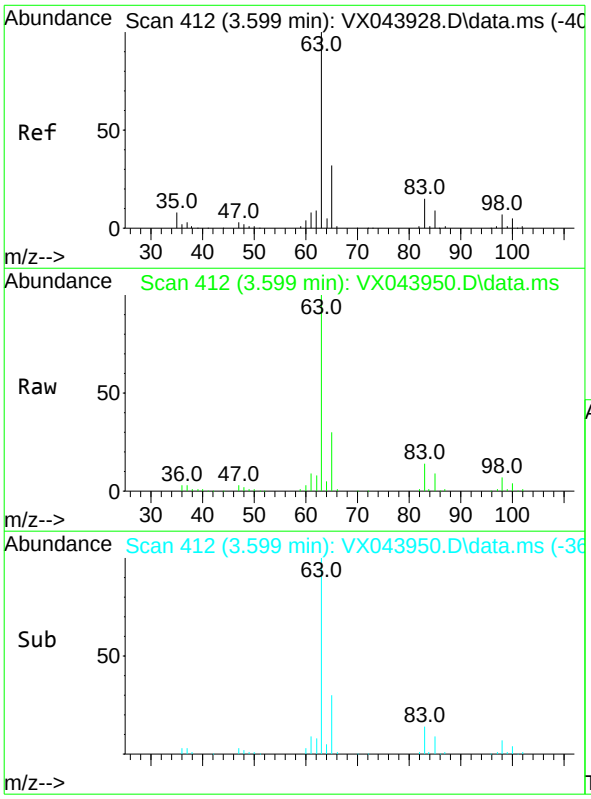
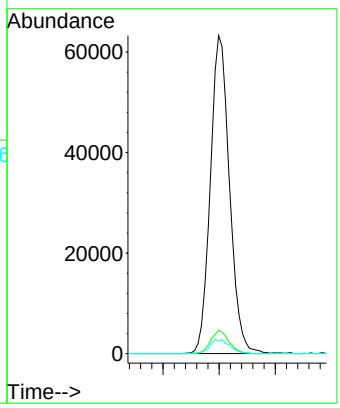
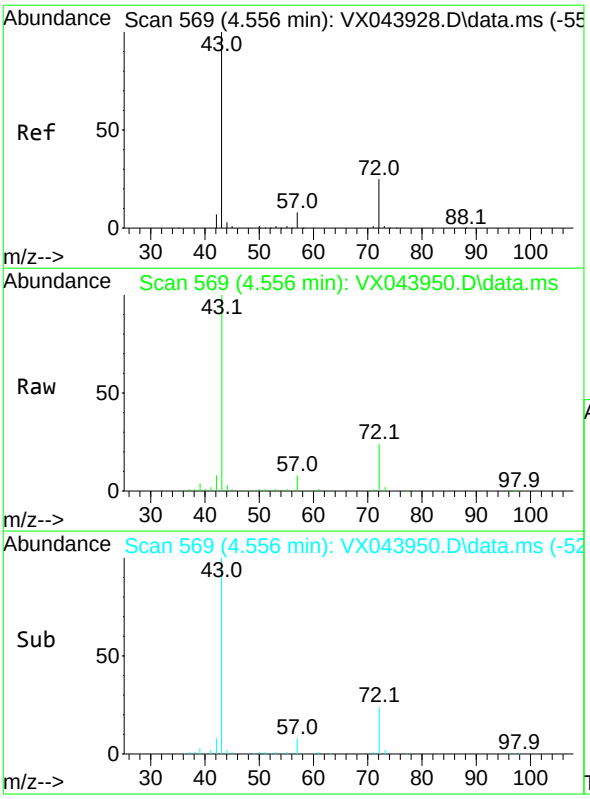



#24
1,1-Dichloroethane
Concen: 53.913 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.5 | 10.6 |
| 100 | 3.9 | 2.4 | 7.1 |






#25
2-Butanone
Concen: 259.902 ug/l
RT: 4.556 min Scan# 56
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 316605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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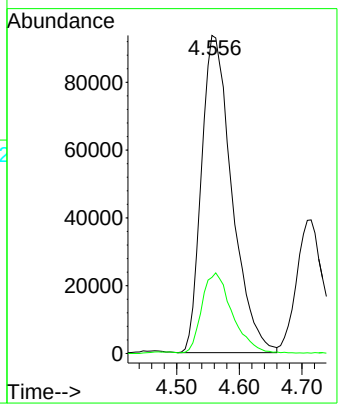
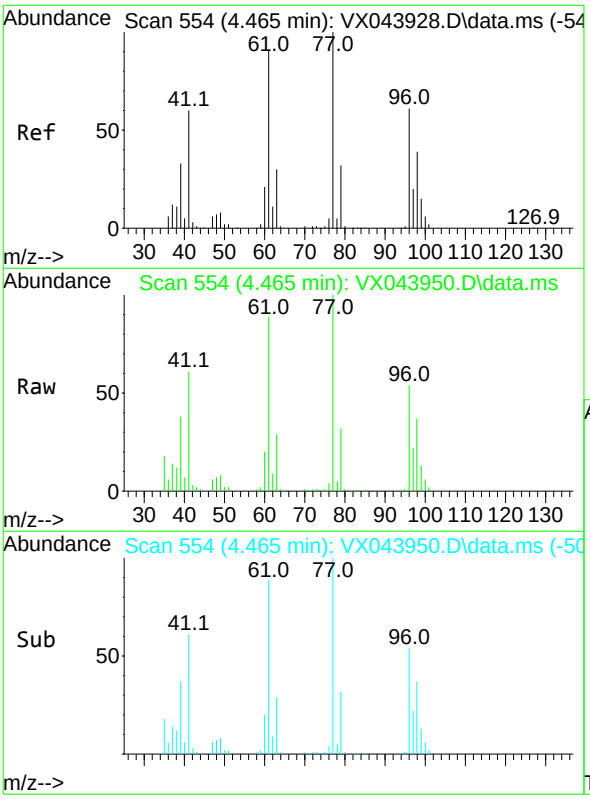
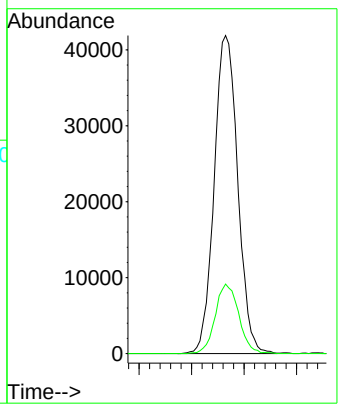


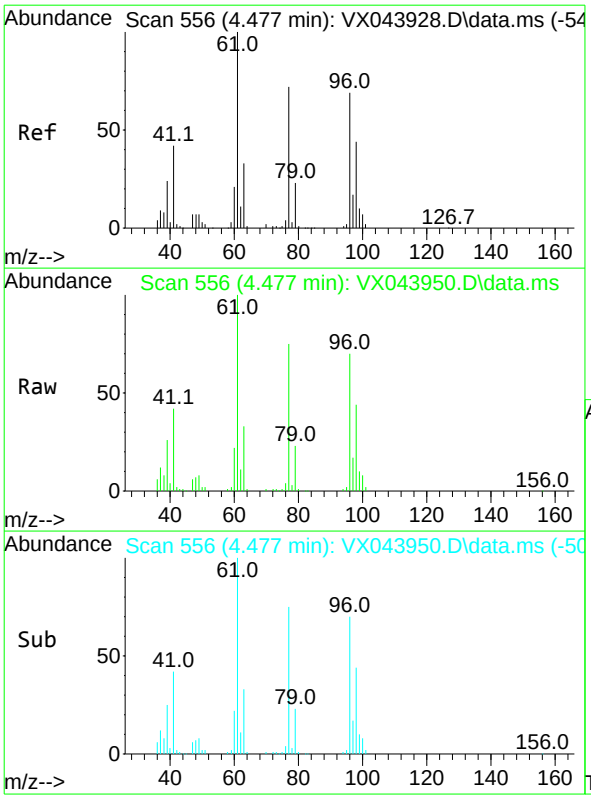




#26
2,2-Dichloropropane
Concen: 51.956 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.8 | 32.3 |






#27
cis-1,2-Dichloroethene
Concen: 52.023 ug/l
RT: 4.477 min Scan# 55
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 91683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.0 | 0.0 | 297.4 |
| 98 | 65.3 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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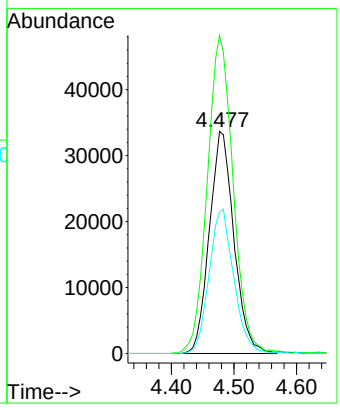
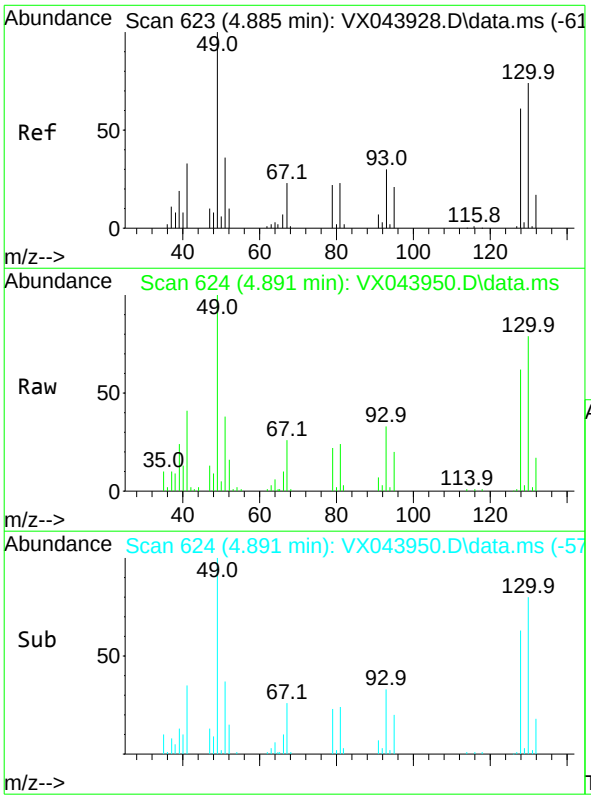
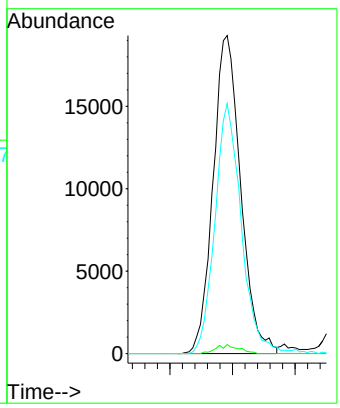


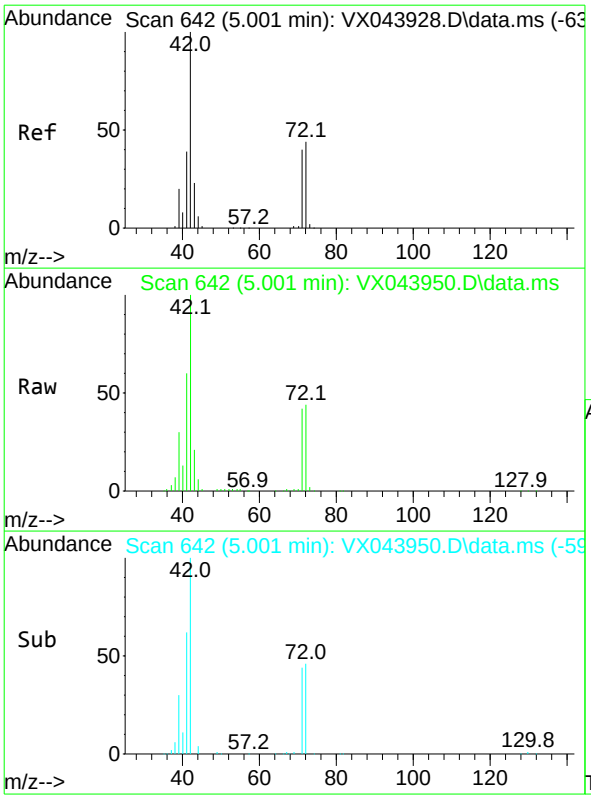




#28
Bromochloromethane
Concen: 48.235 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.0 |
| 130 | 74.9 | 59.0 | 88.6 |

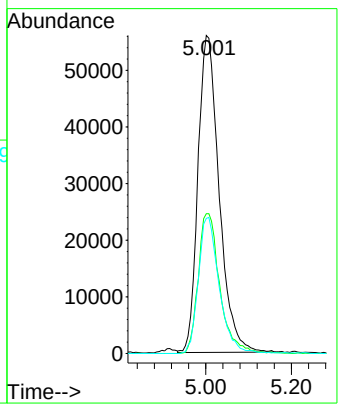





#29
Tetrahydrofuran
Concen: 257.216 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 42 Resp: 192093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.9 | 36.4 | 54.6 |
| 71 | 42.2 | 33.4 | 50.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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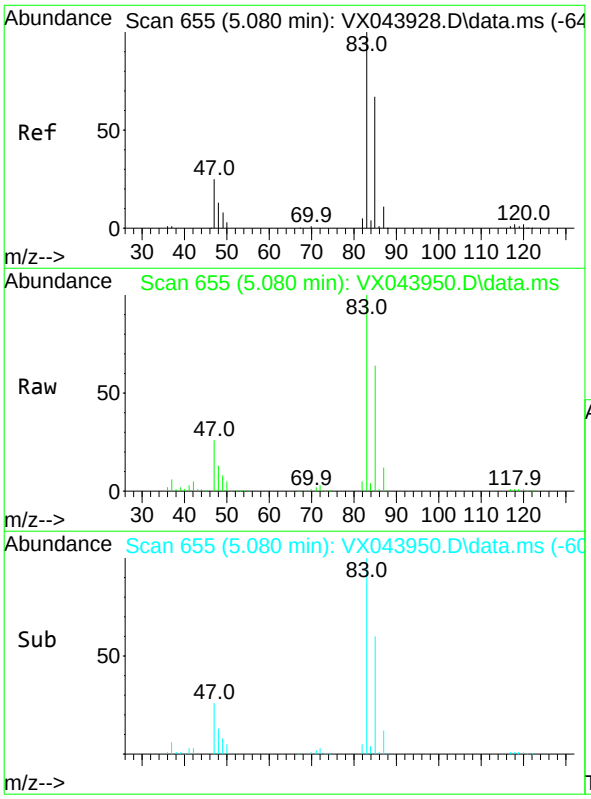
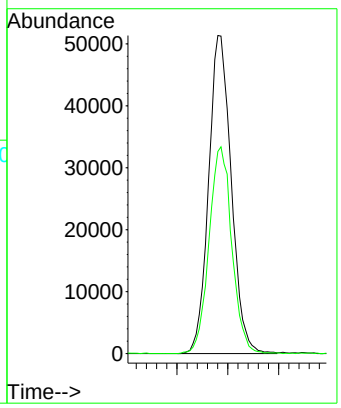
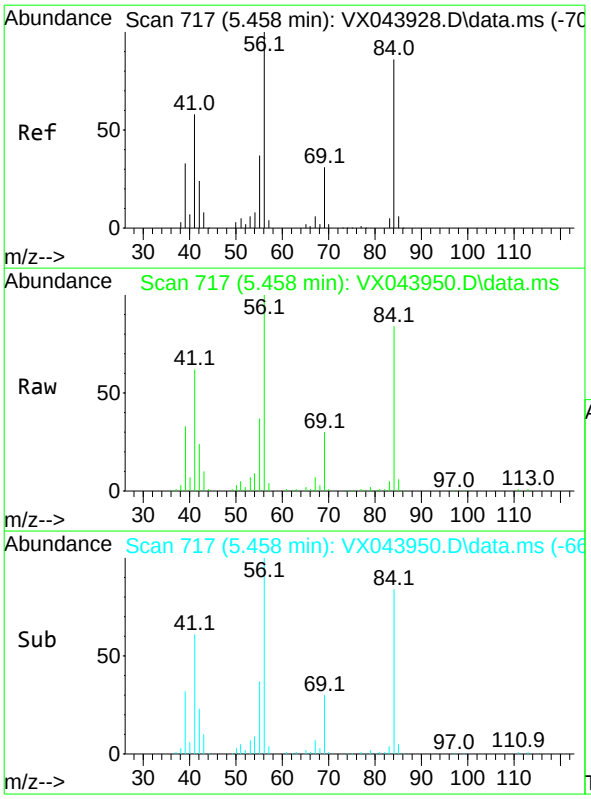



#30
Chloroform
Concen: 53.043 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 158800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 53.324 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 122162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 24.7 | 37.1 |
| 84 | 81.2 | 68.7 | 103.1 |

**Manual Integrations**
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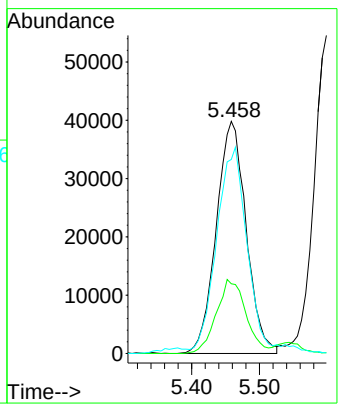
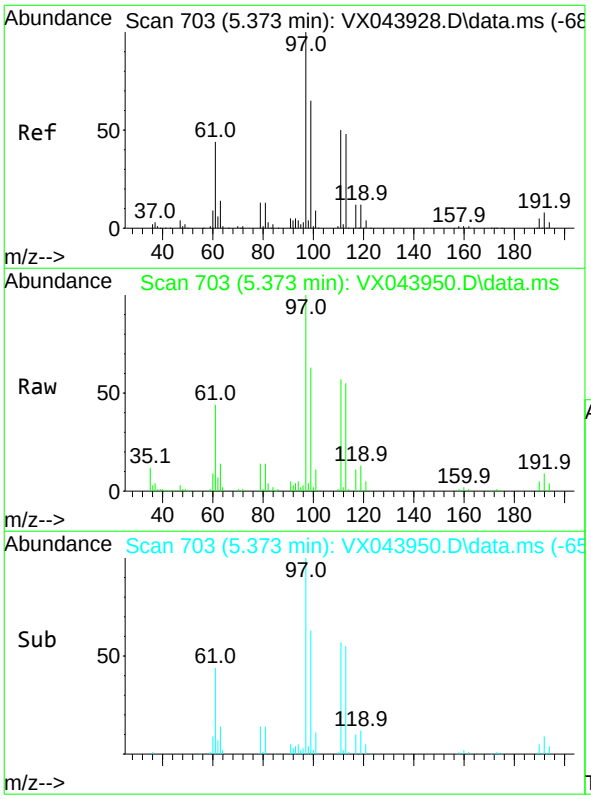
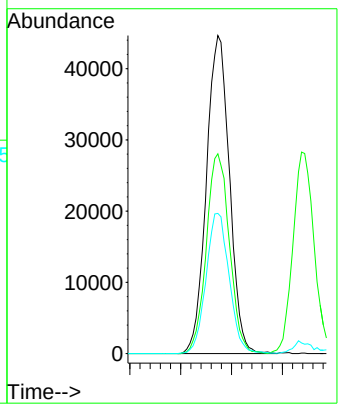


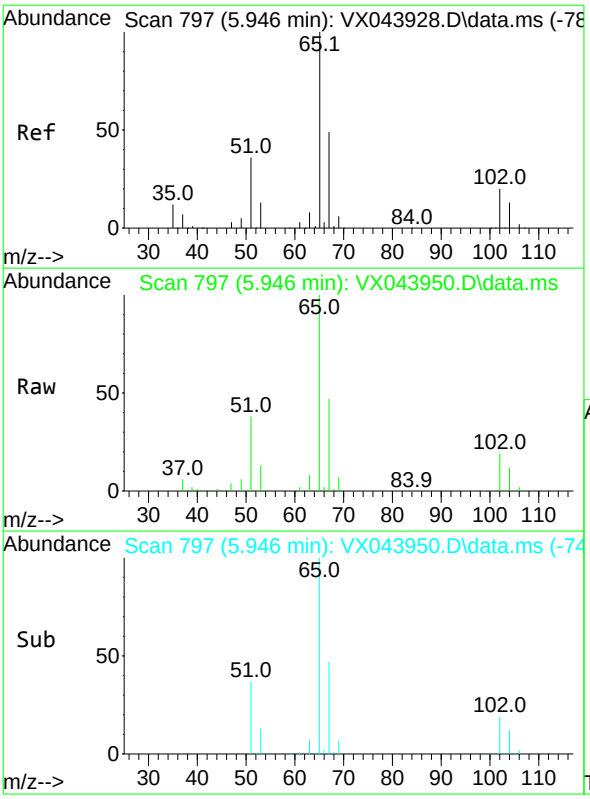




#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 50.8 | 76.2 |
| 61 | 44.3 | 35.4 | 53.2 |






#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 5.946 min Scan# 79
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

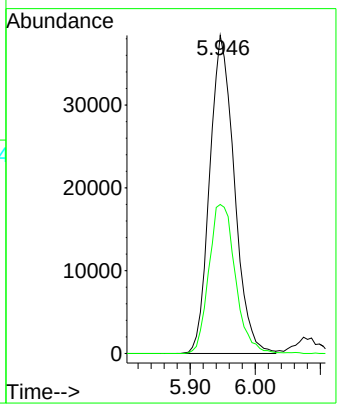
Tgt Ion: 65 Resp: 100999

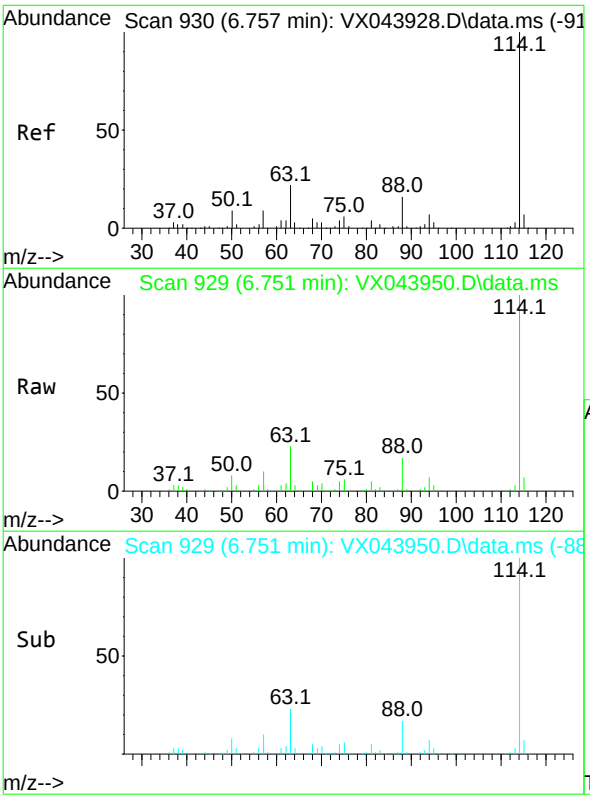
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 100.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

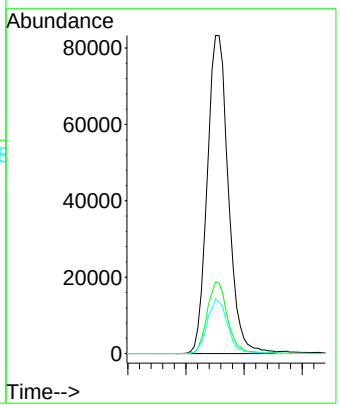


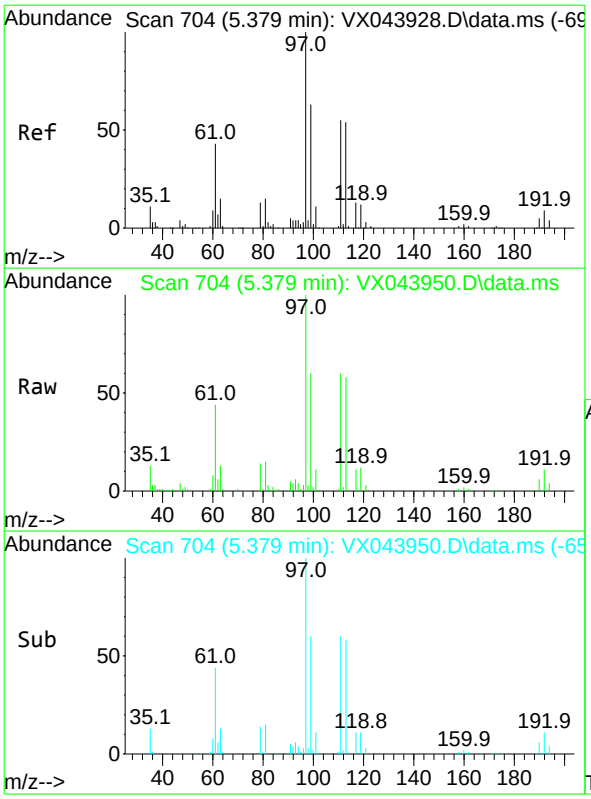




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 210147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 17.3 | 0.0 | 32.4 |

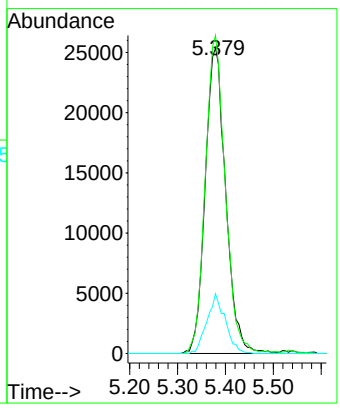





#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:113 Resp: 75489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 81.0 | 121.4 |
| 192 | 17.5 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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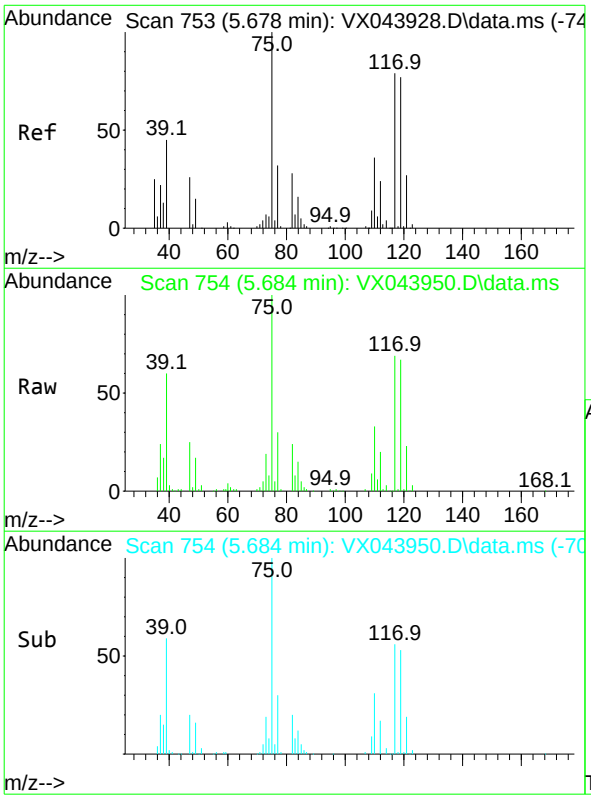
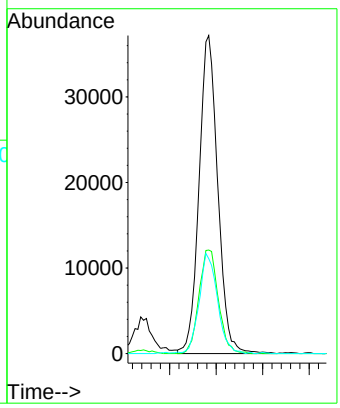
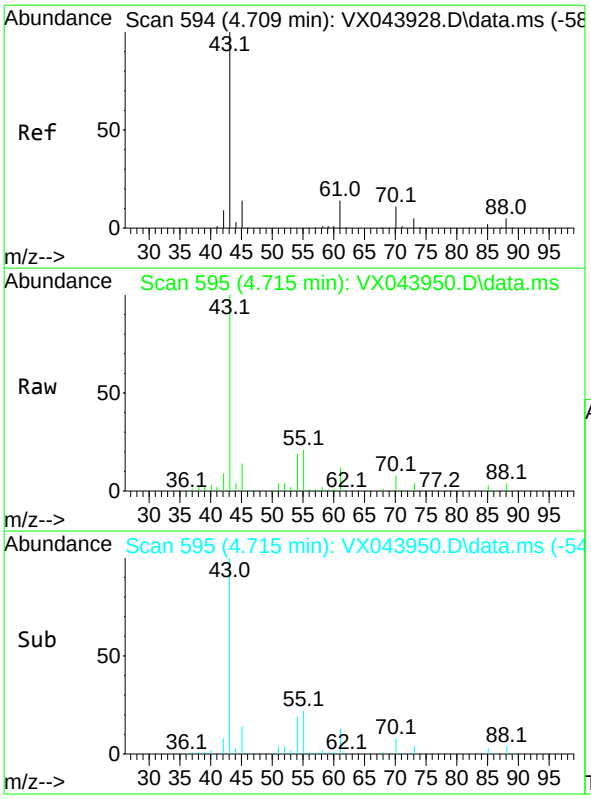



#36
1,1-Dichloropropene
Concen: 55.562 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.4 | 52.2 |
| 77 | 30.9 | 25.8 | 38.8 |






#37
Ethyl Acetate
Concen: 52.440 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 121804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.7 | 16.1 |
| 70 | 9.2 | 8.0 | 12.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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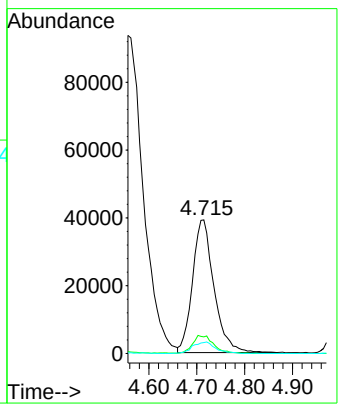
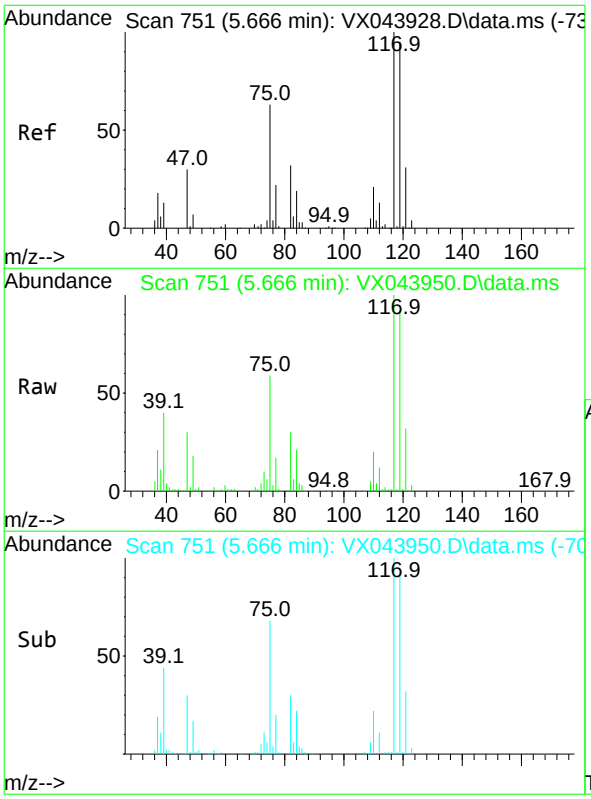
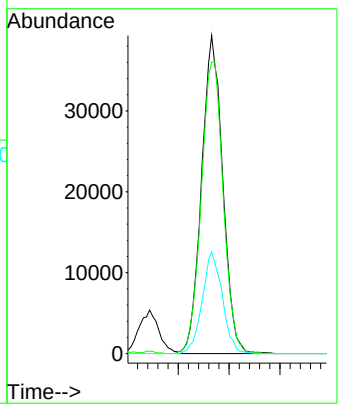


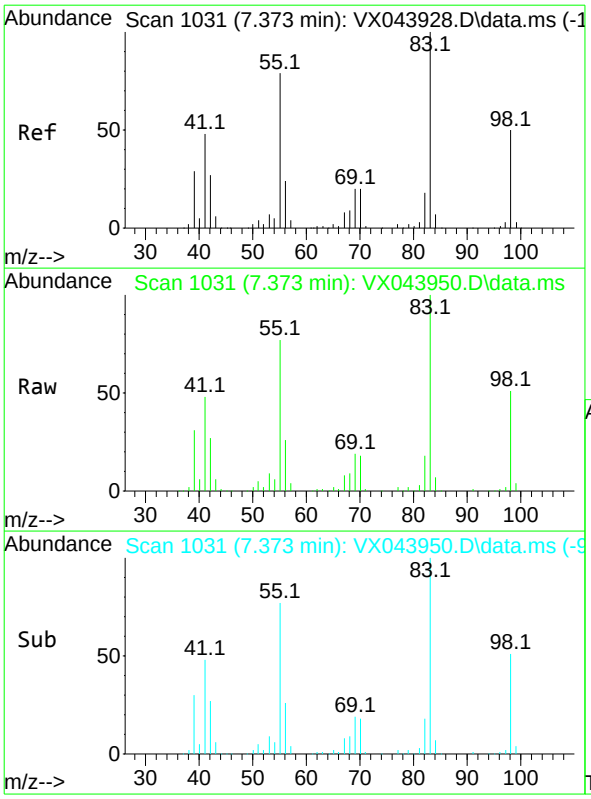




#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 113421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.6 | 75.2 | 112.8 |
| 121 | 31.9 | 24.5 | 36.7 |

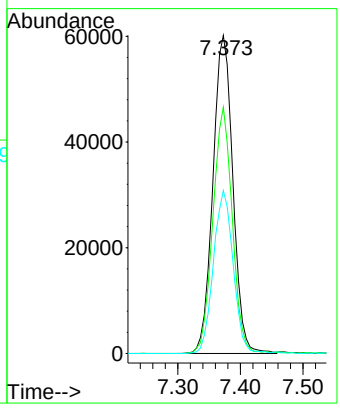





#39
Methylcyclohexane
Concen: 54.849 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 133332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.4 | 63.1 | 94.7 |
| 98 | 51.2 | 40.0 | 60.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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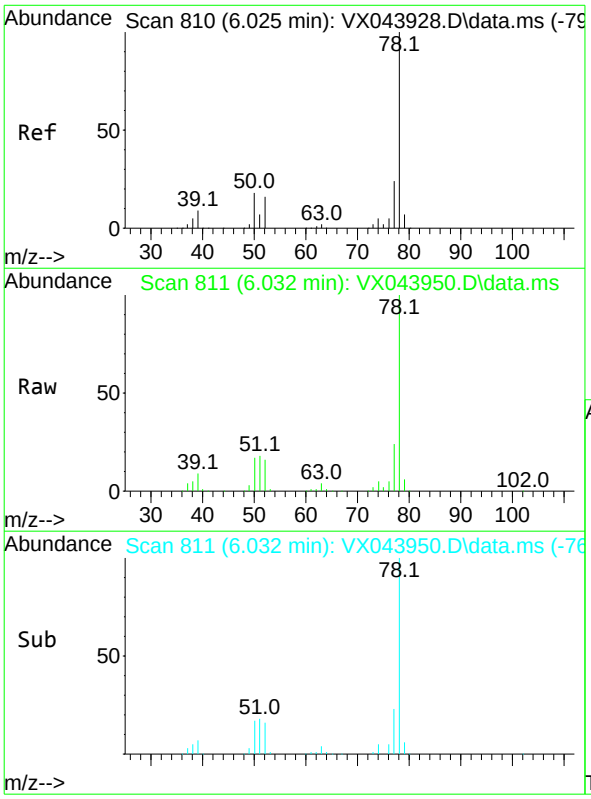
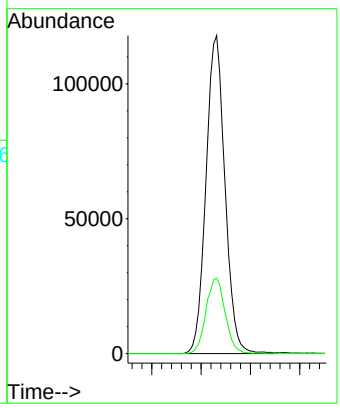
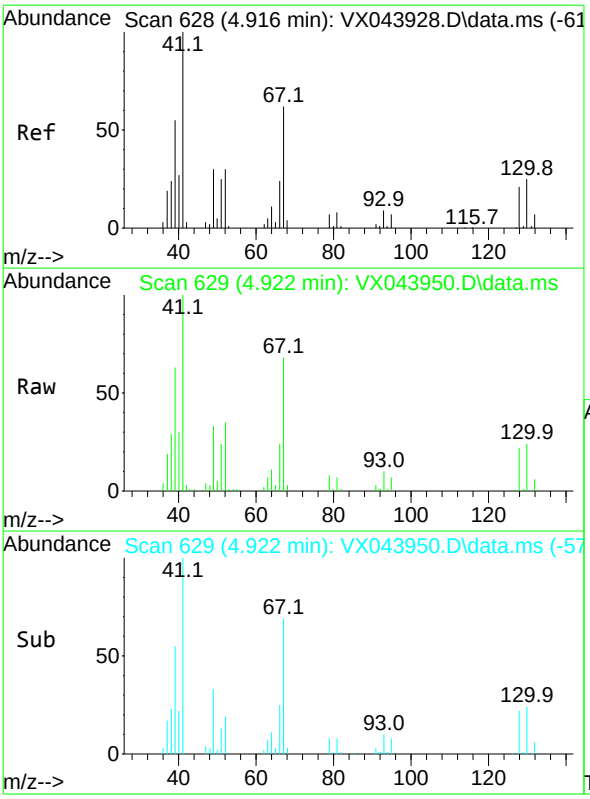



#40
Benzene
Concen: 54.016 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |

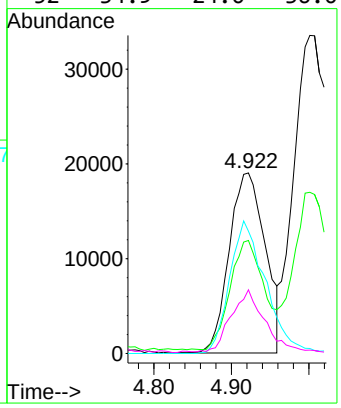





#41
Methacrylonitrile
Concen: 51.710 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 61474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.2 | 41.7 | 62.5 |
| 67 | 74.2 | 55.8 | 83.8 |
| 52 | 34.9 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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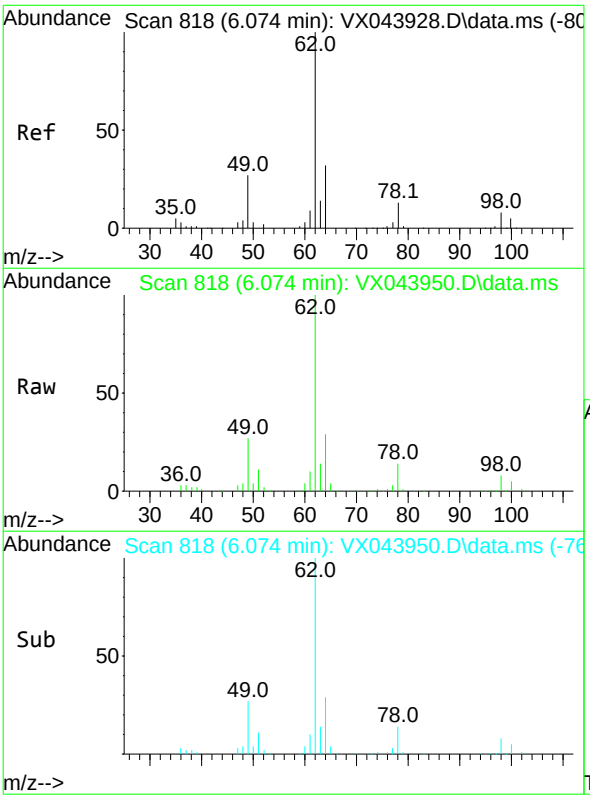
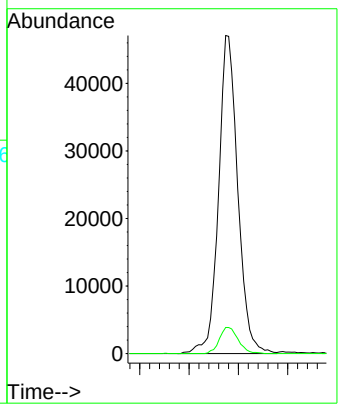
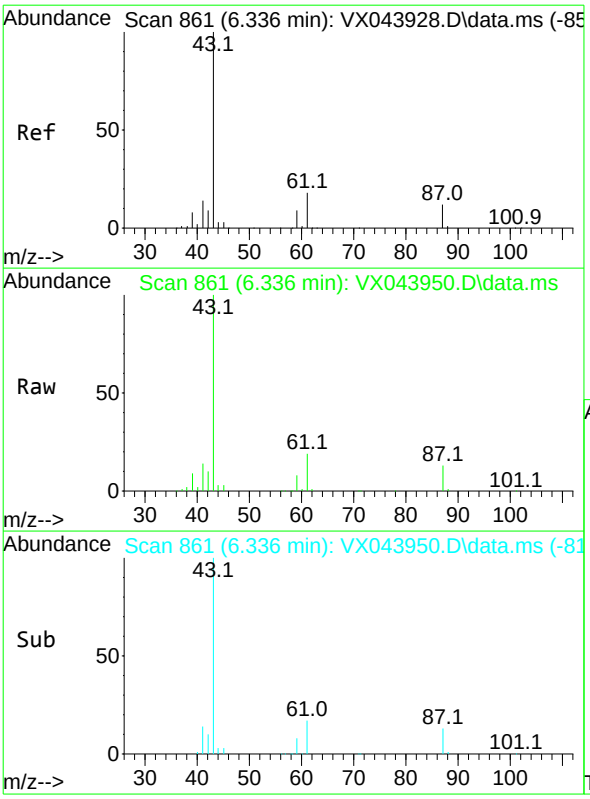



#42
1,2-Dichloroethane
Concen: 54.501 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.0 | 0.0 | 16.4 |






#43
Isopropyl Acetate
Concen: 53.153 ug/l
RT: 6.336 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 196481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.6 | 14.5 | 21.7 |
| 87 | 12.6 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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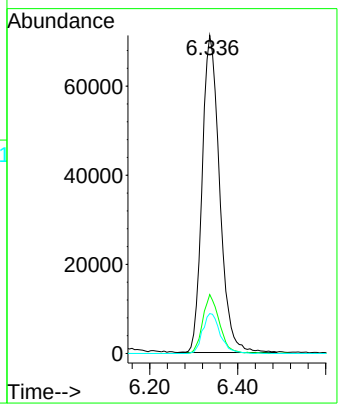
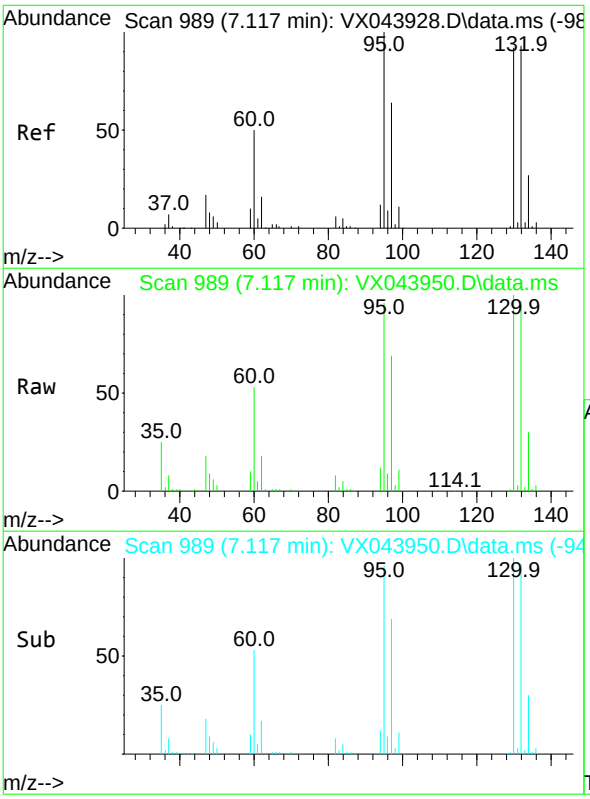
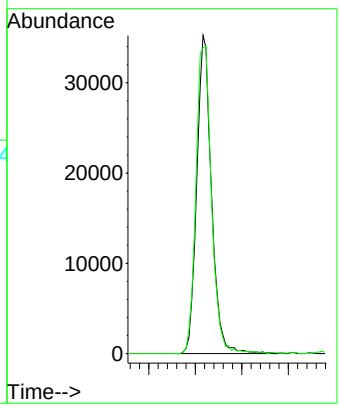


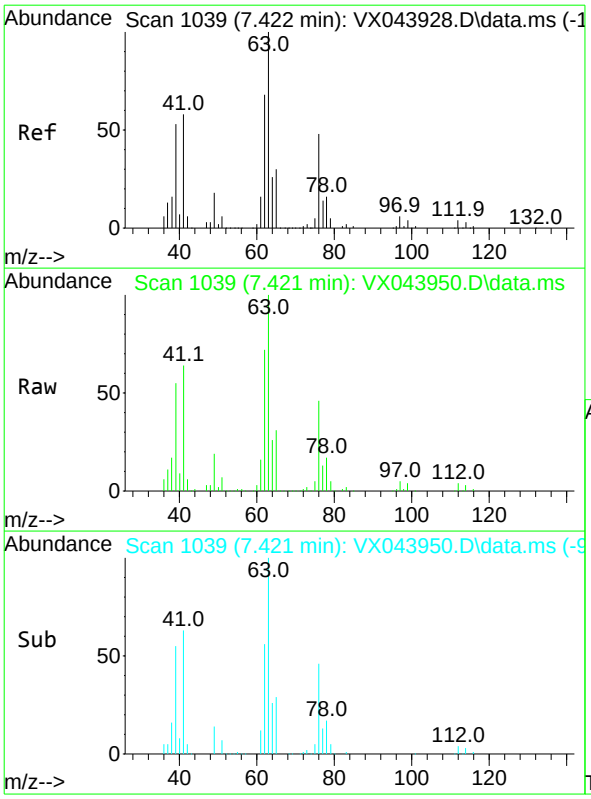




#44
Trichloroethene
Concen: 46.882 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.1 | 0.0 | 217.8 |

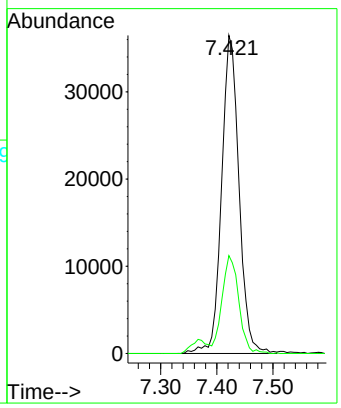





#45
1,2-Dichloropropane
Concen: 55.044 ug/l
RT: 7.421 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 78579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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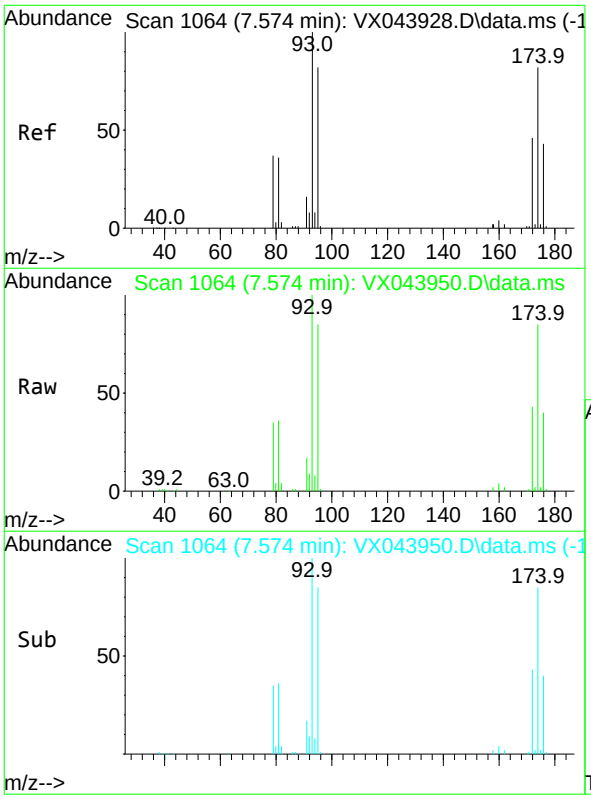
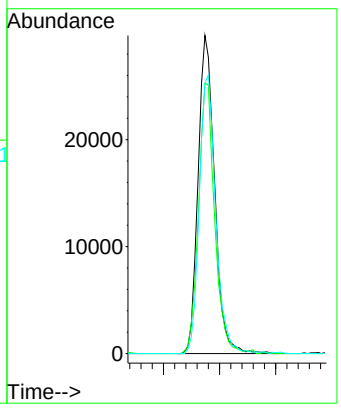
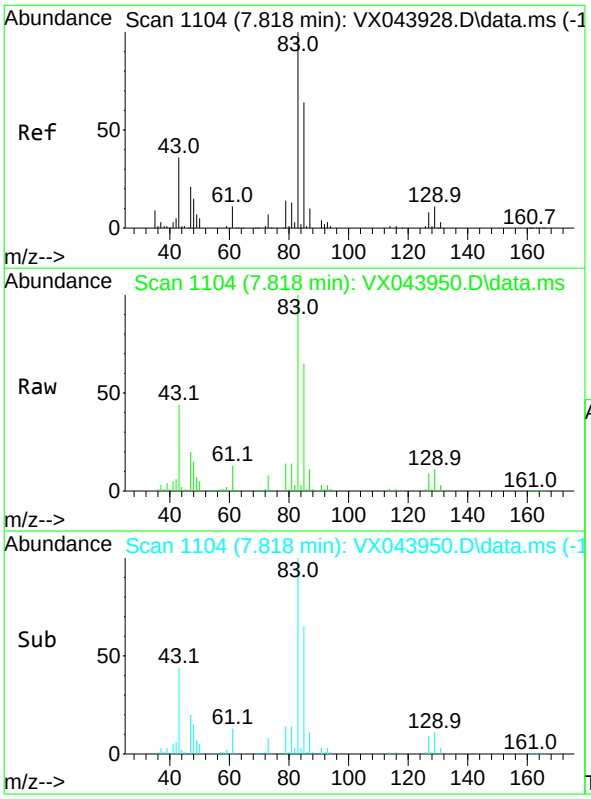



#46
Dibromomethane
Concen: 53.916 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 60885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.2 | 99.4 |
| 174 | 87.1 | 69.6 | 104.4 |






#47
Bromodichloromethane
Concen: 54.645 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 110672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 51.4 | 77.0 |
| 127 | 8.8 | 6.6 | 10.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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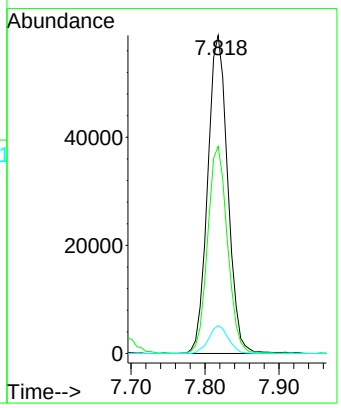
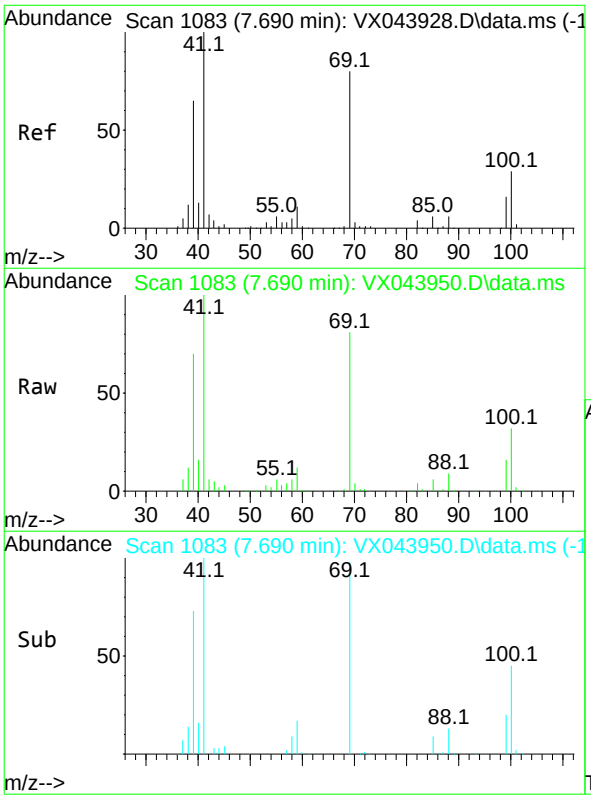
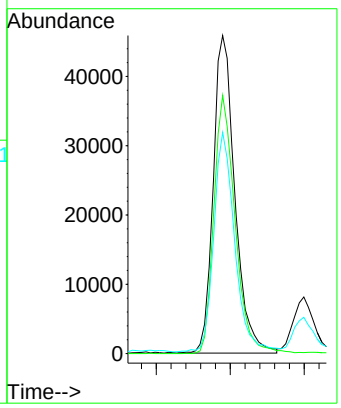


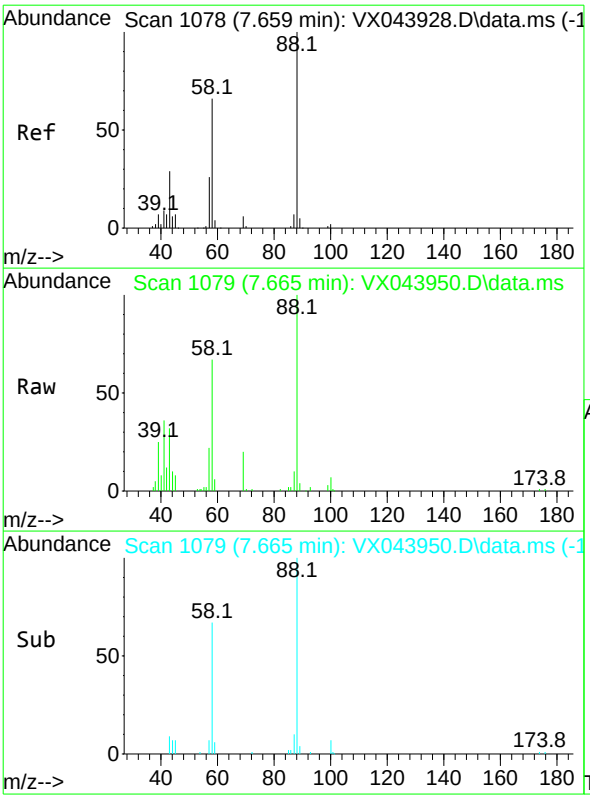




#48
Methyl methacrylate
Concen: 52.453 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.9 | 64.6 | 97.0 |
| 39 | 66.9 | 53.3 | 79.9 |

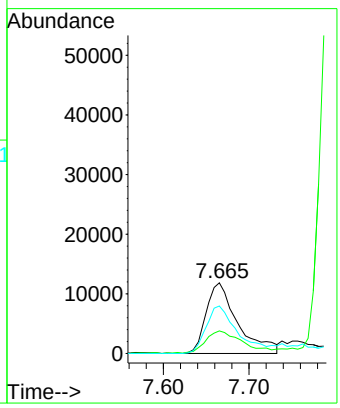





#49
1,4-Dioxane
Concen: 956.809 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 88 Resp: 30231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 26.8 | 40.2 |
| 58 | 66.2 | 45.4 | 68.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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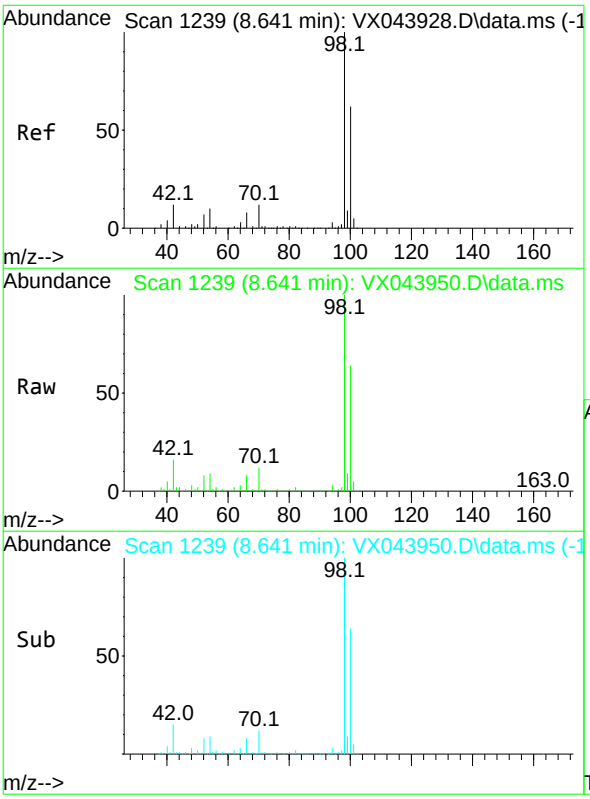
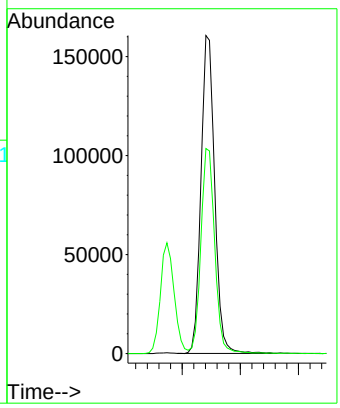
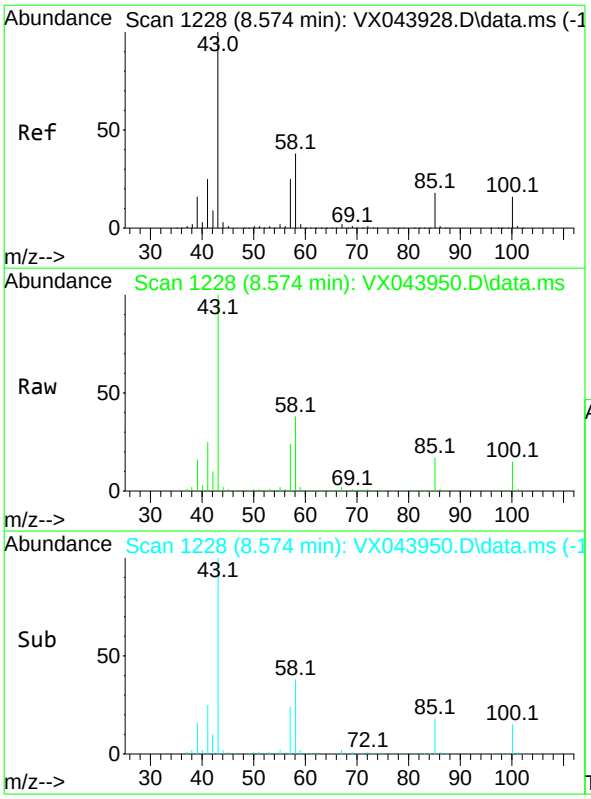



#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 262790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.6 | 79.0 |

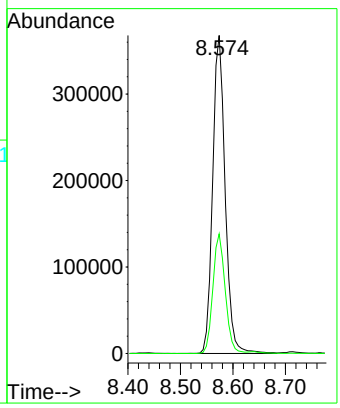





#51
4-Methyl-2-Pentanone
Concen: 269.433 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 607788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 30.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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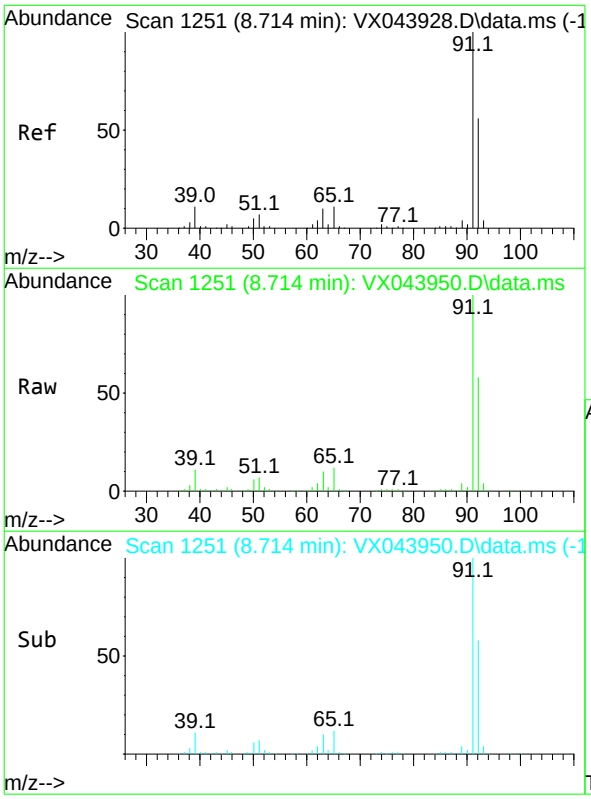
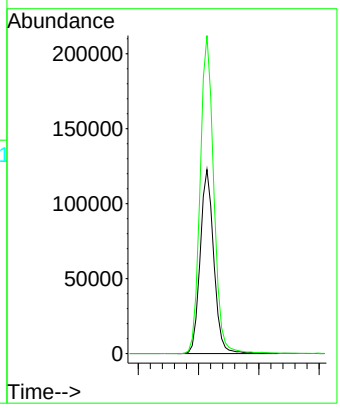
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

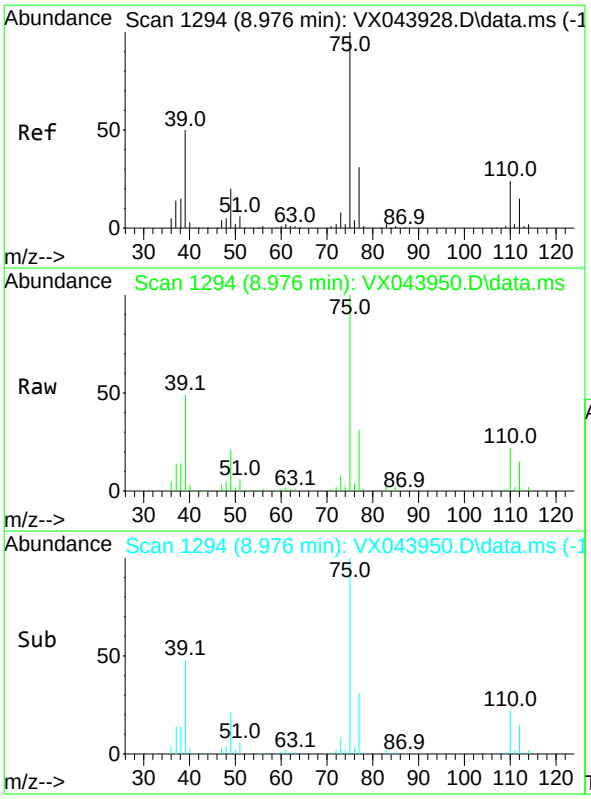



#52
Toluene
Concen: 54.965 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.2 | 139.7 | 209.5 |

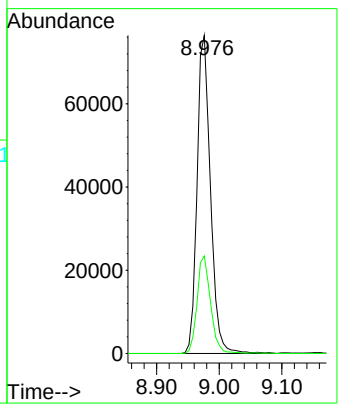





#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 113533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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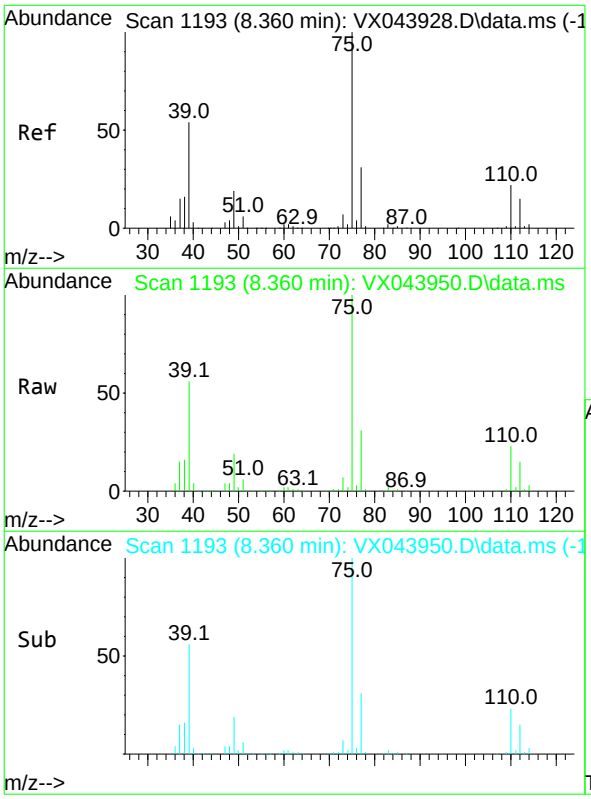
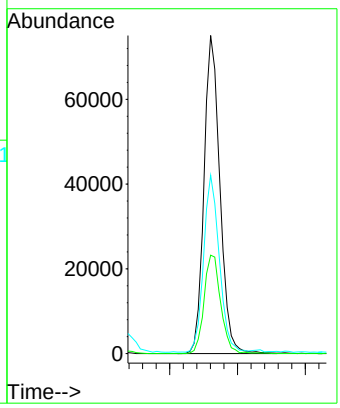
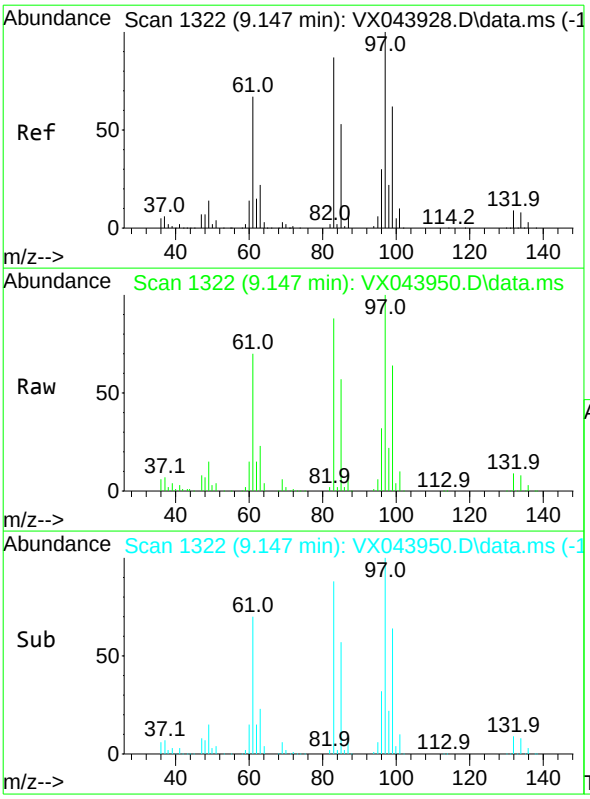



#54
cis-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 55.6 | 43.1 | 64.7 |

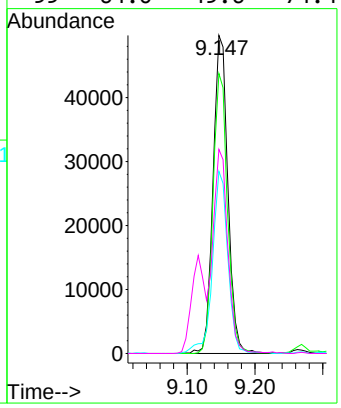





#55
1,1,2-Trichloroethane
Concen: 52.387 ug/l
RT: 9.147 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 75441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.4 | 104.0 |
| 85 | 57.2 | 42.3 | 63.5 |
| 99 | 64.0 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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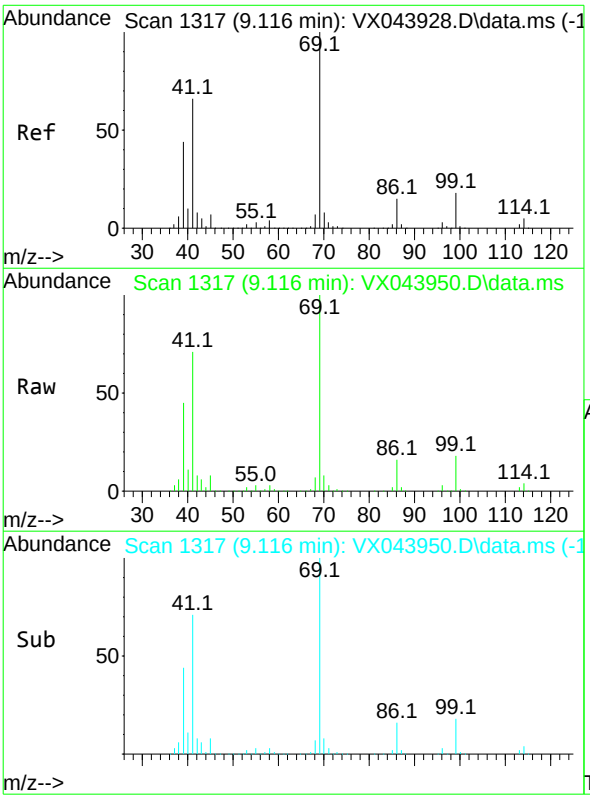
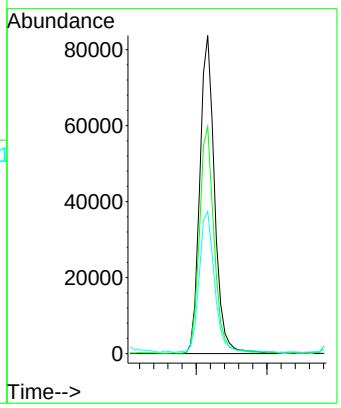
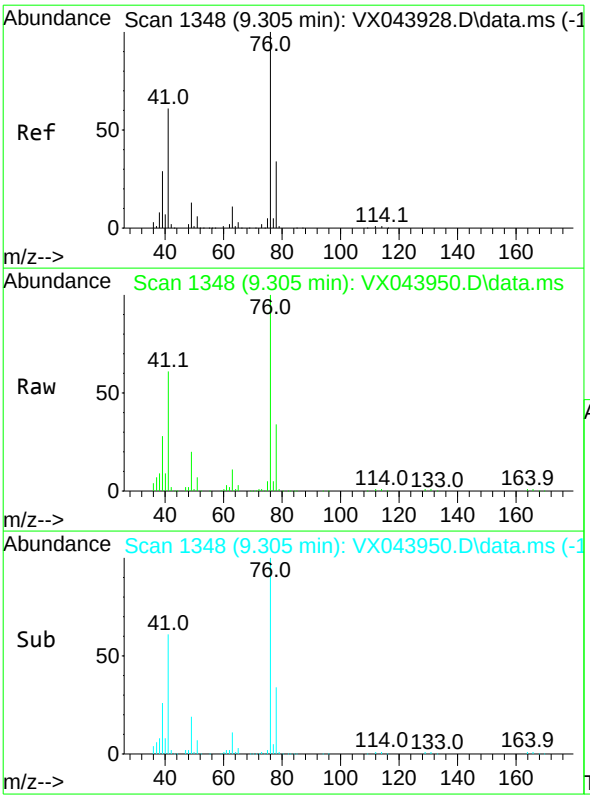



#56
Ethyl methacrylate
Concen: 54.352 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 121914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.8 | 83.8 |
| 39 | 46.2 | 36.7 | 55.1 |

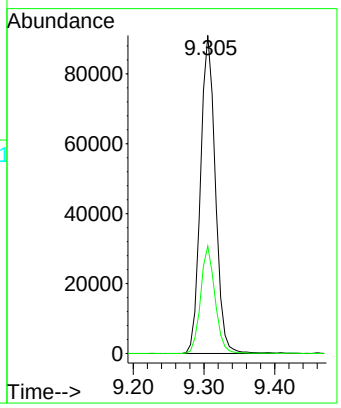





#57
1,3-Dichloropropane
Concen: 54.563 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 76 Resp: 132364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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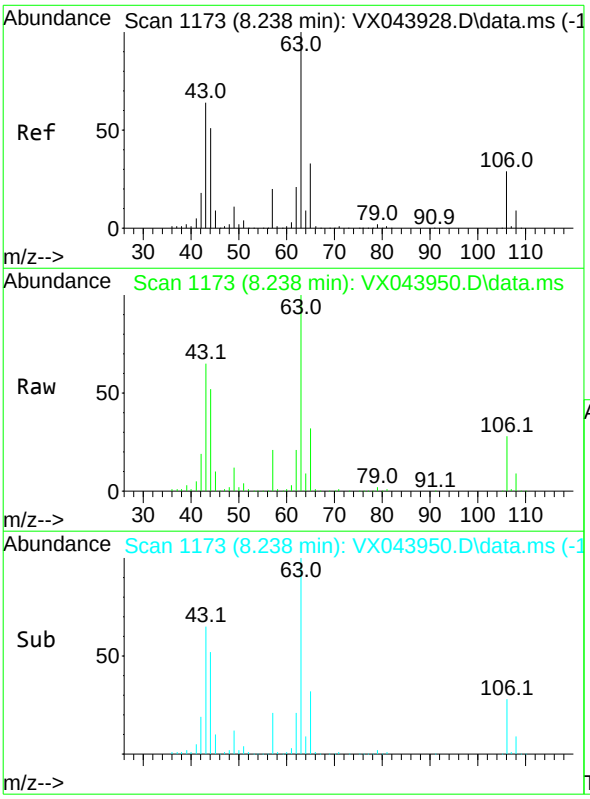
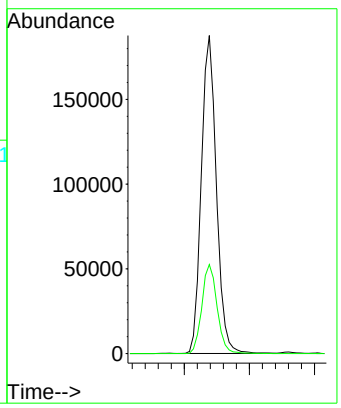
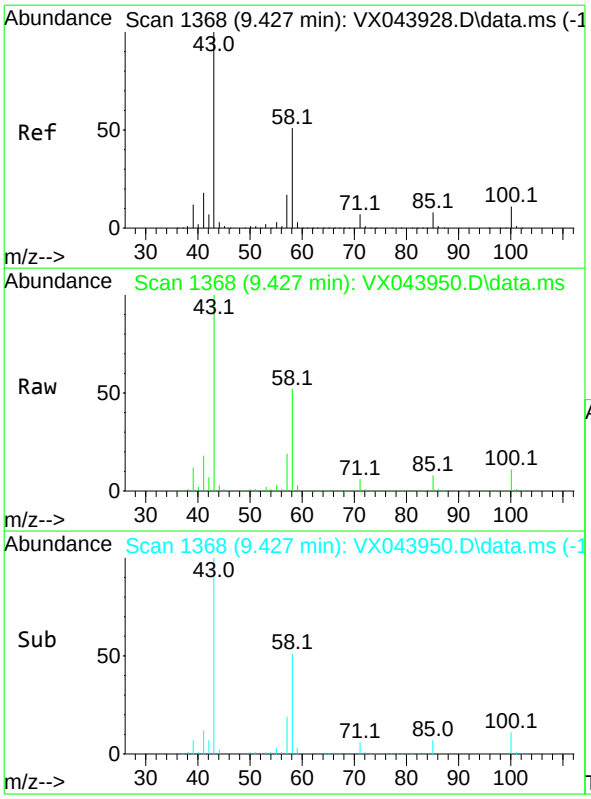



#58
2-Chloroethyl Vinyl ether
Concen: 244.819 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 23.0 | 34.6 |

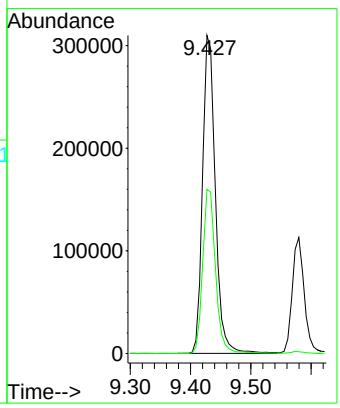





#59
2-Hexanone
Concen: 269.358 ug/l
RT: 9.427 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 456702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.9 | 77.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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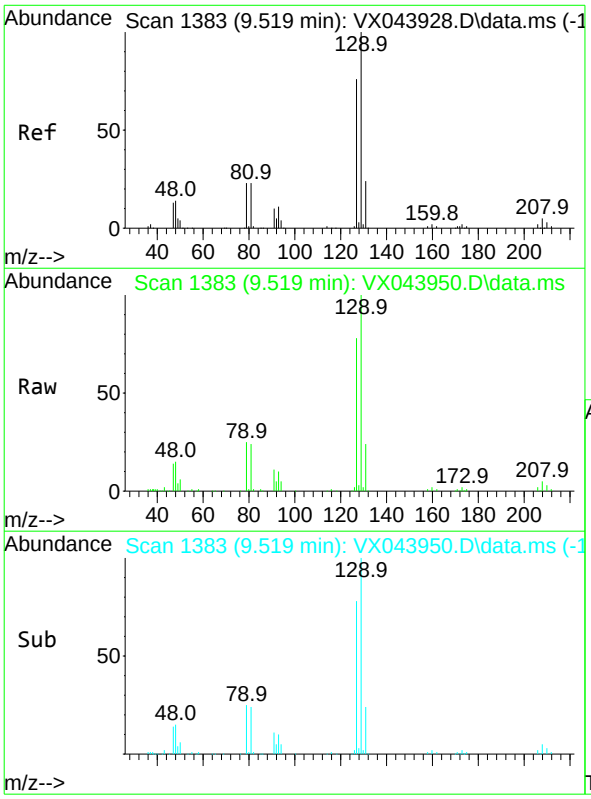
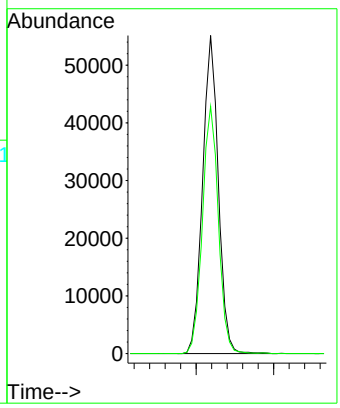
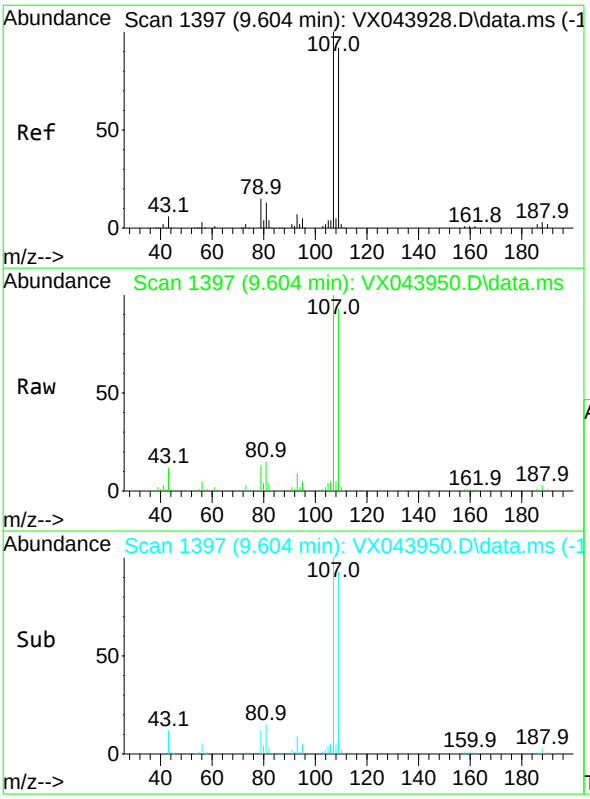



#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 77811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 38.2 | 114.6 |






#61
1,2-Dibromoethane
Concen: 54.040 ug/l
RT: 9.604 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:107 Resp: 78690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.2 | 112.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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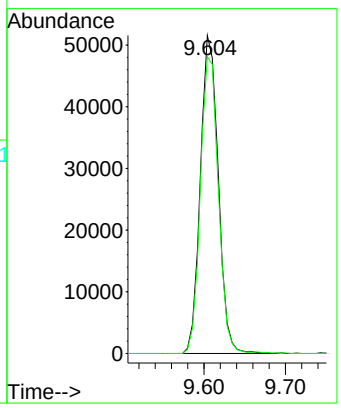
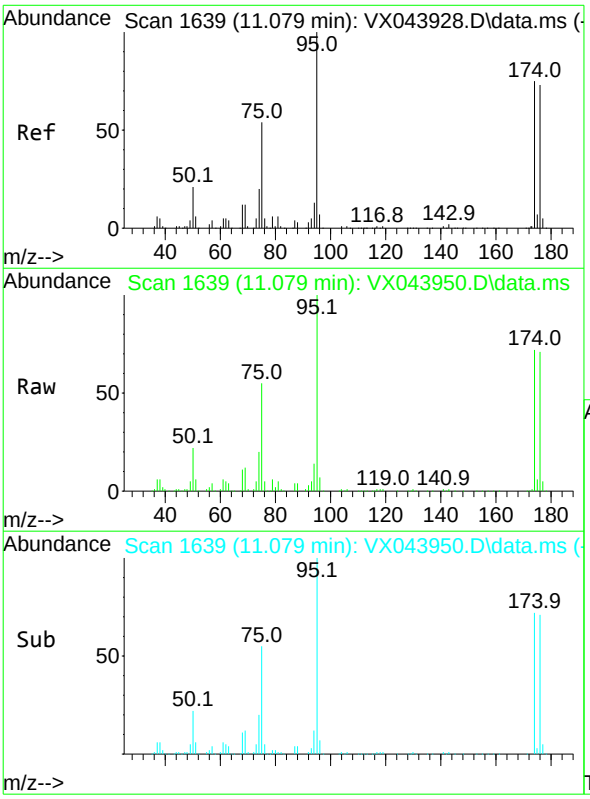
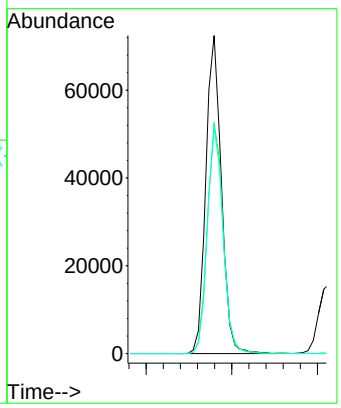


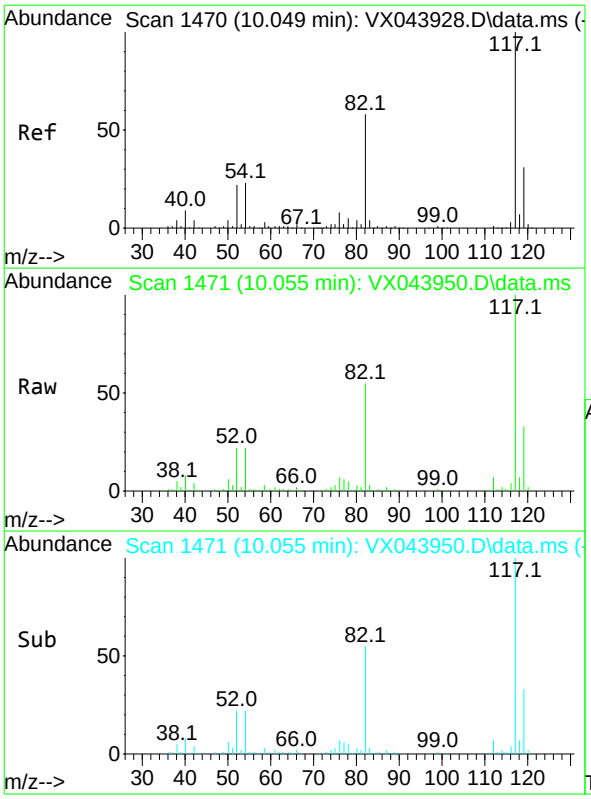




#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 150.4 |
| 176 | 71.5 | 0.0 | 146.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 179277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.8 | 46.4 | 69.6 |
| 119 | 33.1 | 24.6 | 37.0 |

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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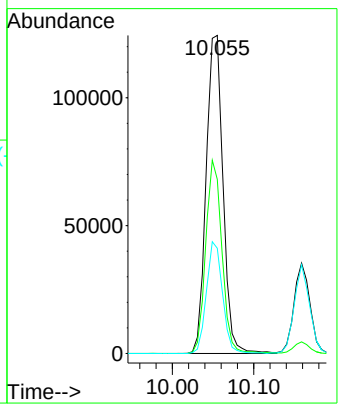
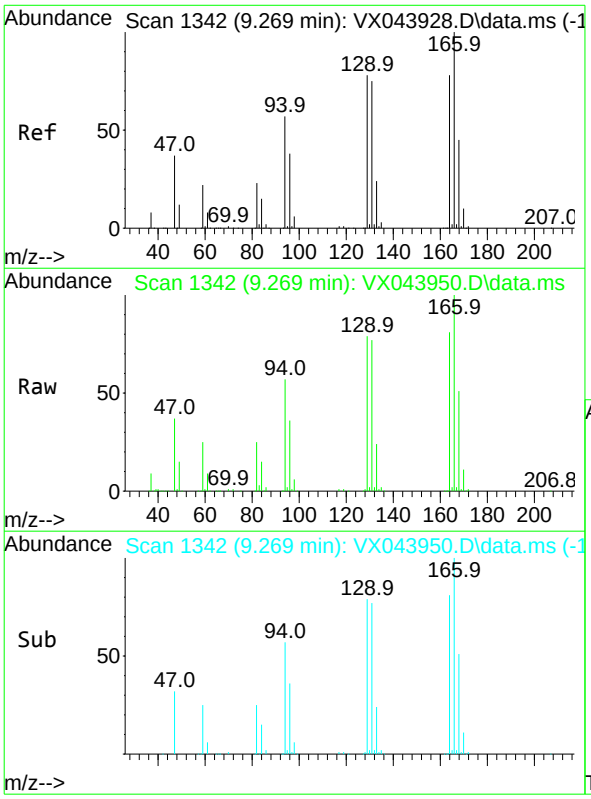
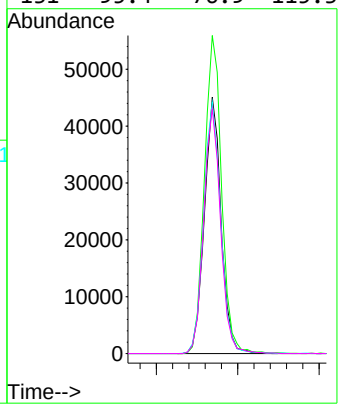


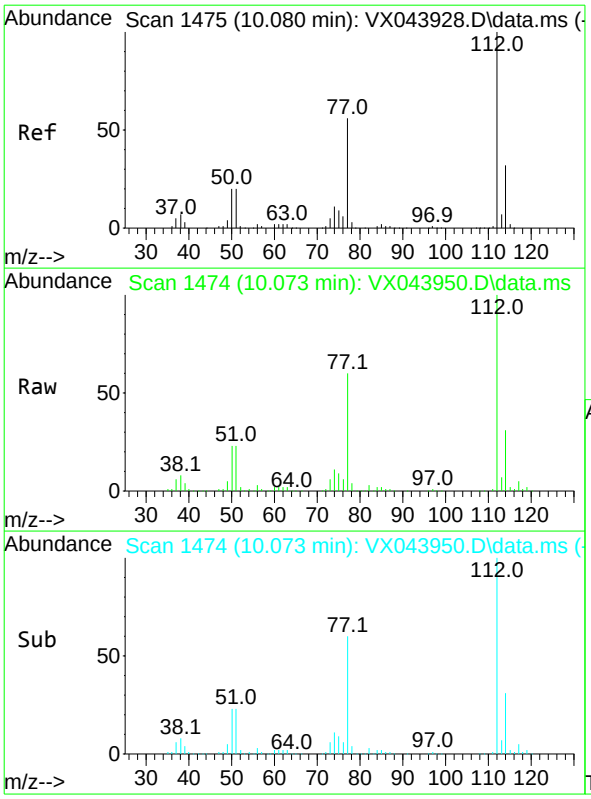




#64
Tetrachloroethene
Concen: 54.365 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.1 | 102.1 | 153.1 |
| 129 | 98.1 | 79.6 | 119.4 |
| 131 | 95.4 | 76.9 | 115.3 |

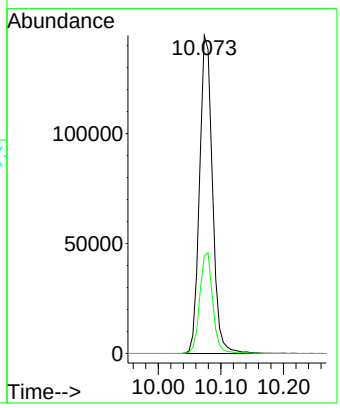





#65
Chlorobenzene
Concen: 52.640 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:112 Resp: 207265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.7 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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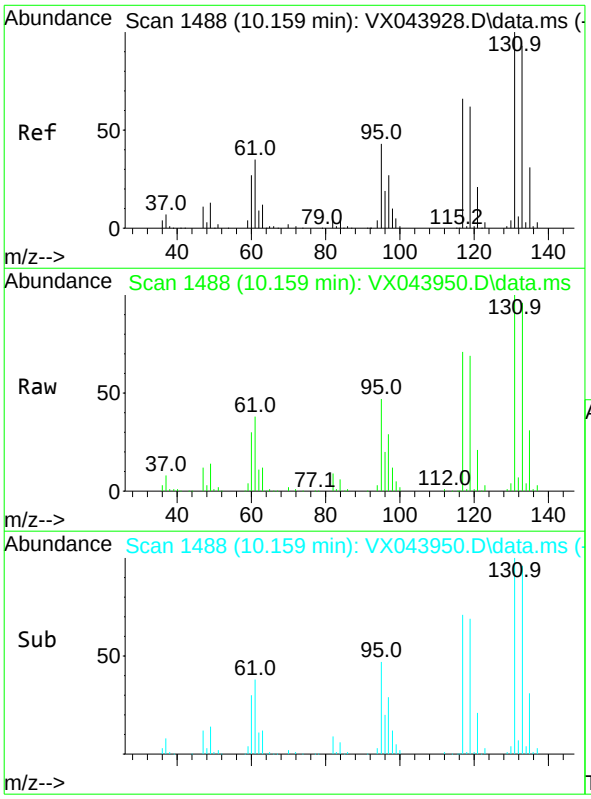
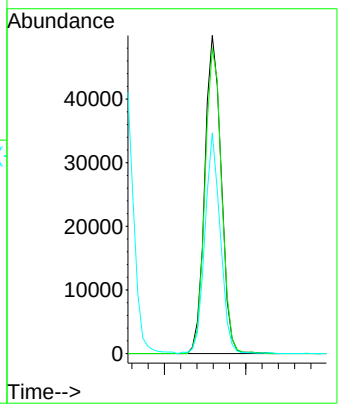
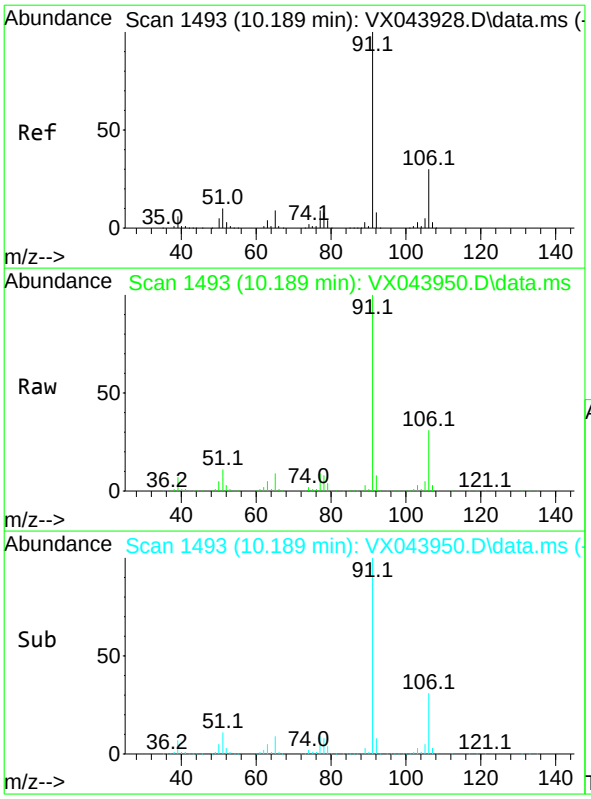



#66
1,1,1,2-Tetrachloroethane
Concen: 54.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 48.2 | 144.6 |
| 119 | 65.1 | 31.5 | 94.5 |






#67
Ethyl Benzene
Concen: 55.362 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 369374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.6 | 35.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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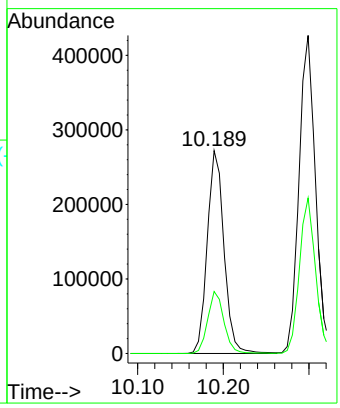
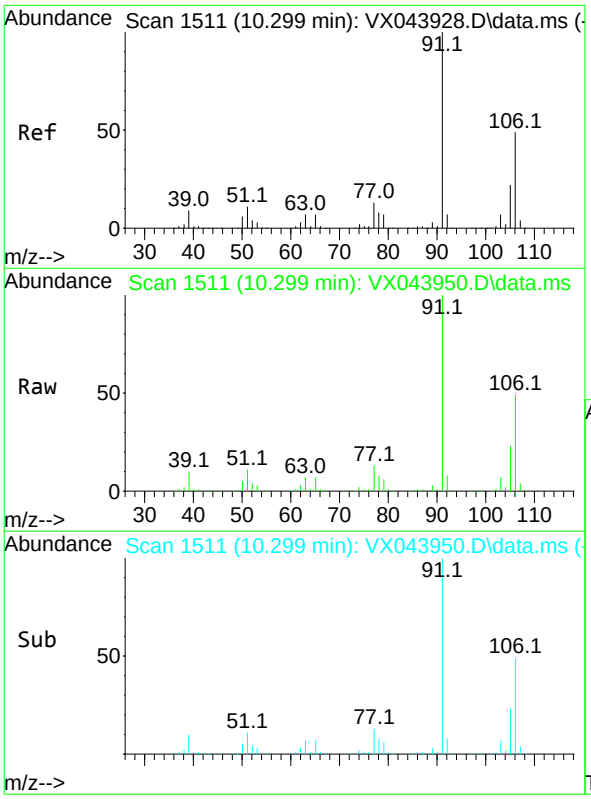
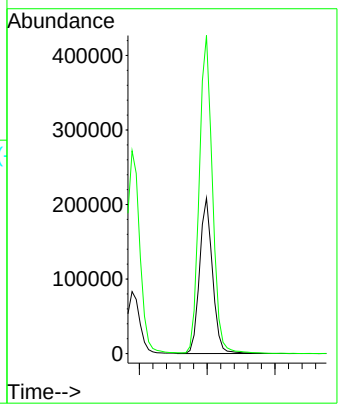


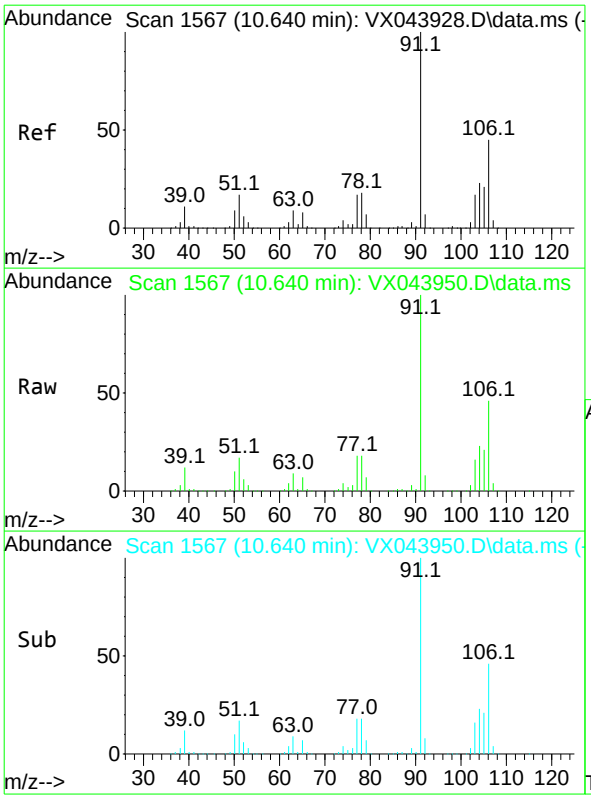




#68
m/p-Xylenes
Concen: 110.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 275579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.0 | 168.1 | 252.1 |






#69
o-Xylene
Concen: 55.187 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

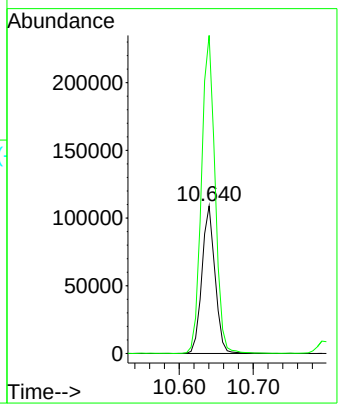
Tgt Ion:106 Resp: 134066

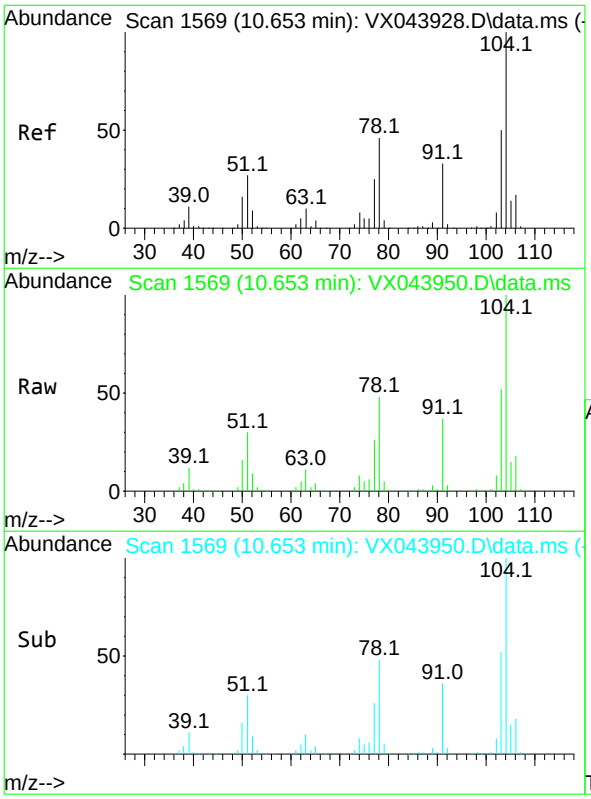
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.3 | 110.2 | 330.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

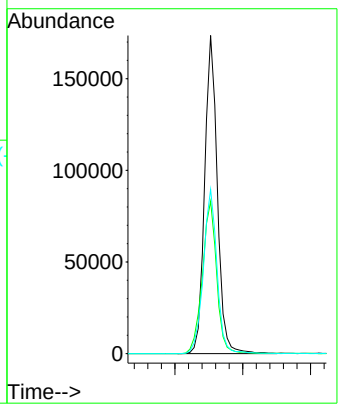


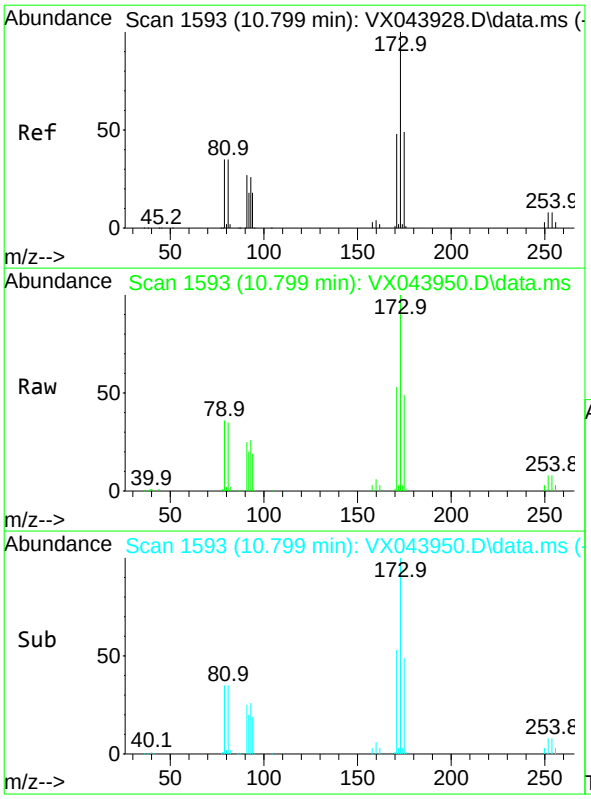




#70
Styrene
Concen: 56.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 42.2 | 63.2 |
| 103 | 55.5 | 44.7 | 67.1 |

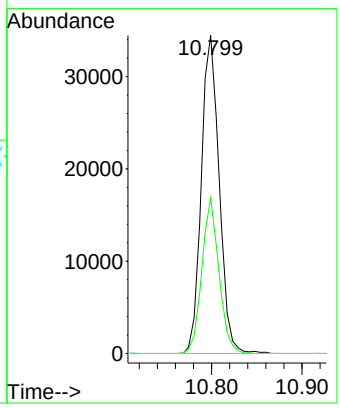





#71
Bromoform
Concen: 48.773 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:173 Resp: 47233

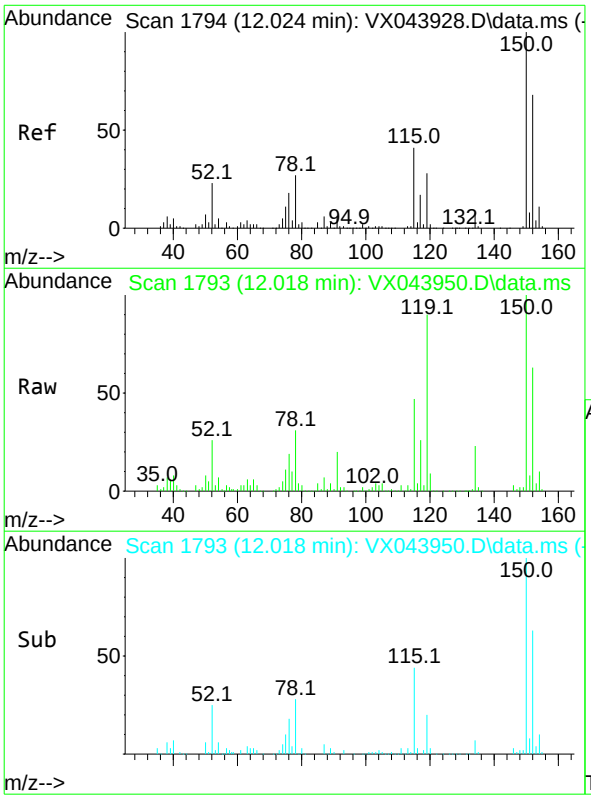
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

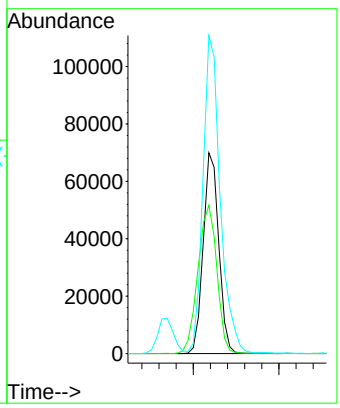
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

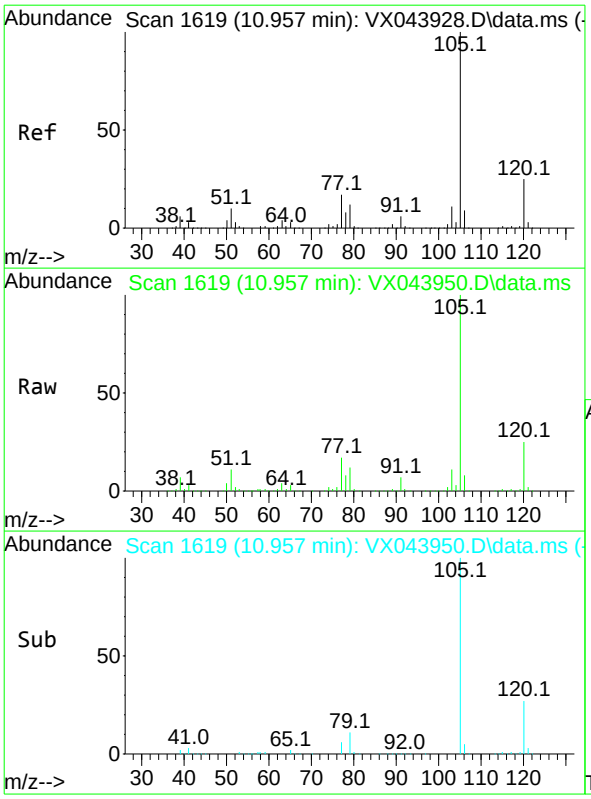



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 88069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.2 | 45.4 | 136.2 |
| 150 | 176.2 | 0.0 | 353.0 |

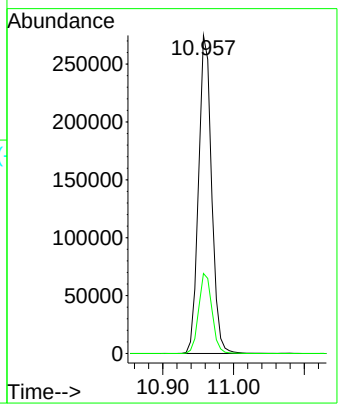





#73
Isopropylbenzene
Concen: 52.039 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 352296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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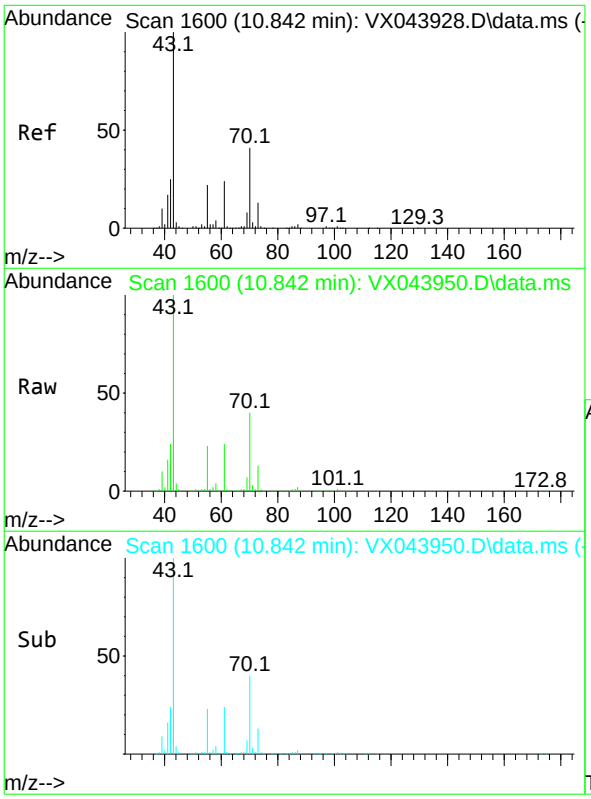
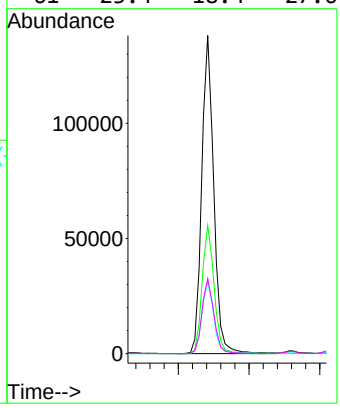
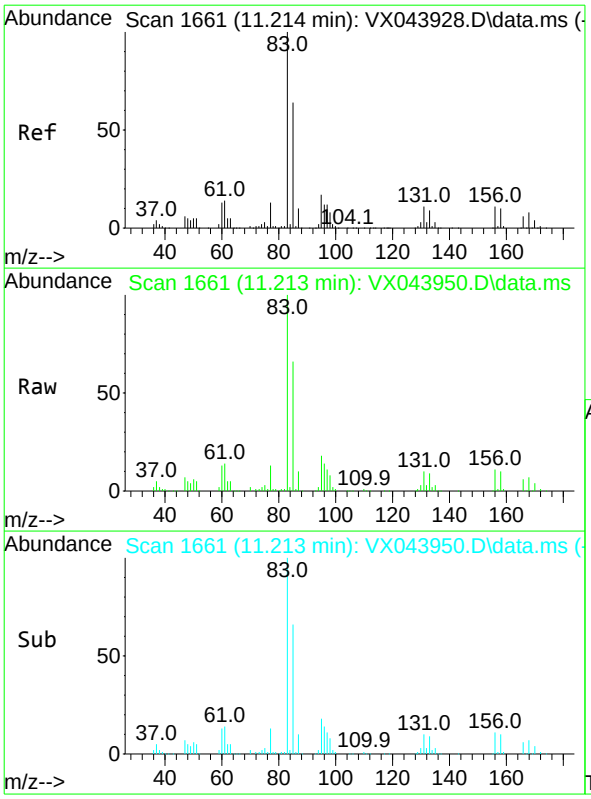



#74
N-amyl acetate
Concen: 51.973 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 32.2 | 48.2 |
| 55 | 22.6 | 18.1 | 27.1 |
| 61 | 23.4 | 18.4 | 27.6 |






#75
1,1,2,2-Tetrachloroethane
Concen: 51.403 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 119153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.2 |
| 85 | 65.2 | 32.2 | 96.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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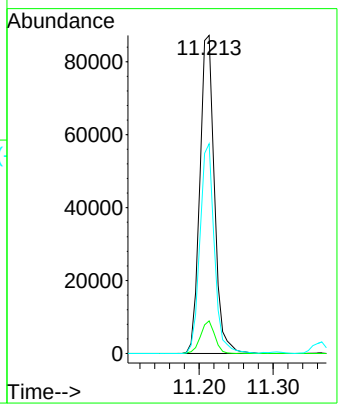
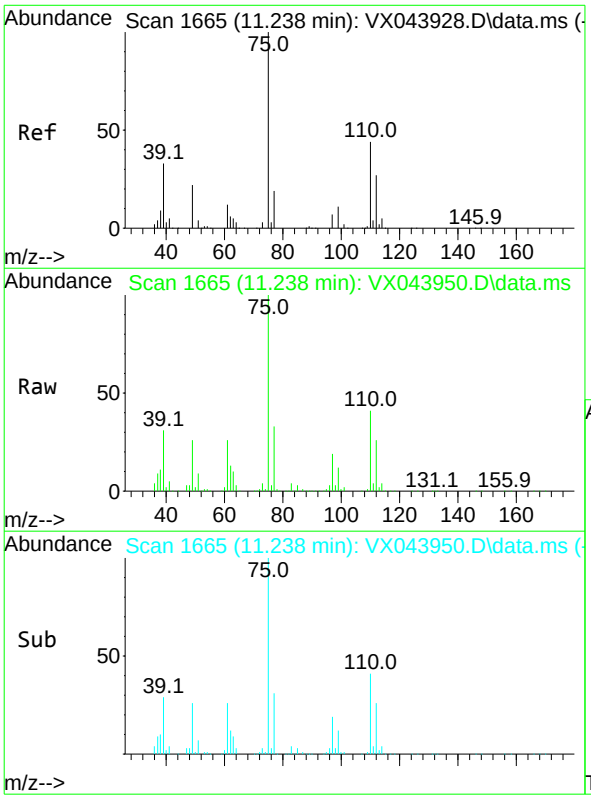
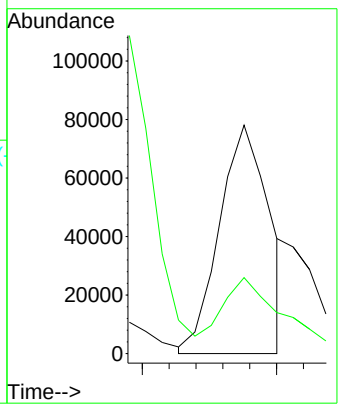


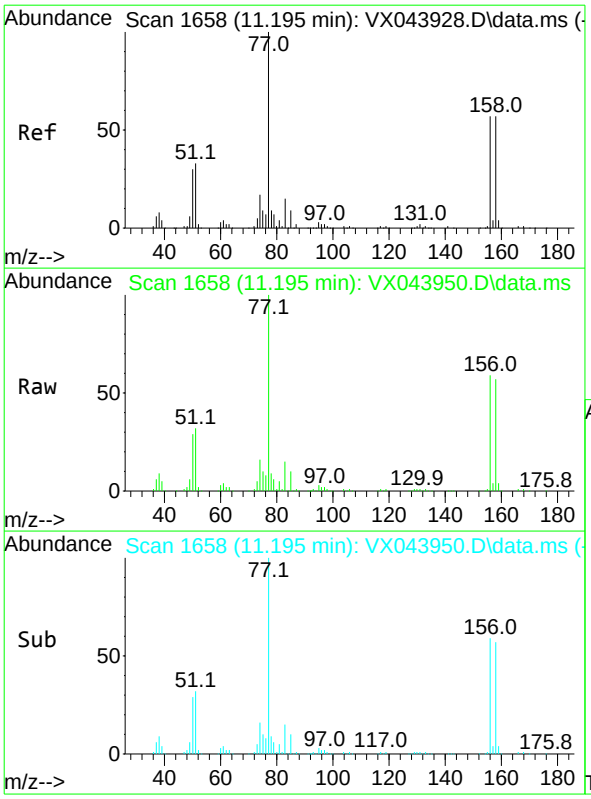




#76
1,2,3-Trichloropropane
Concen: 51.893 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 100223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.0 | 21.8 | 65.3 |






#77
Bromobenzene
Concen: 51.338 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:156 Resp: 82907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.1 | 83.4 | 250.1 |
| 158 | 94.8 | 47.6 | 142.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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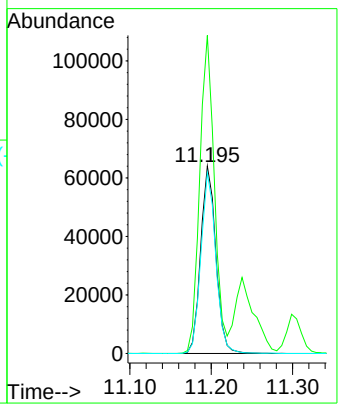
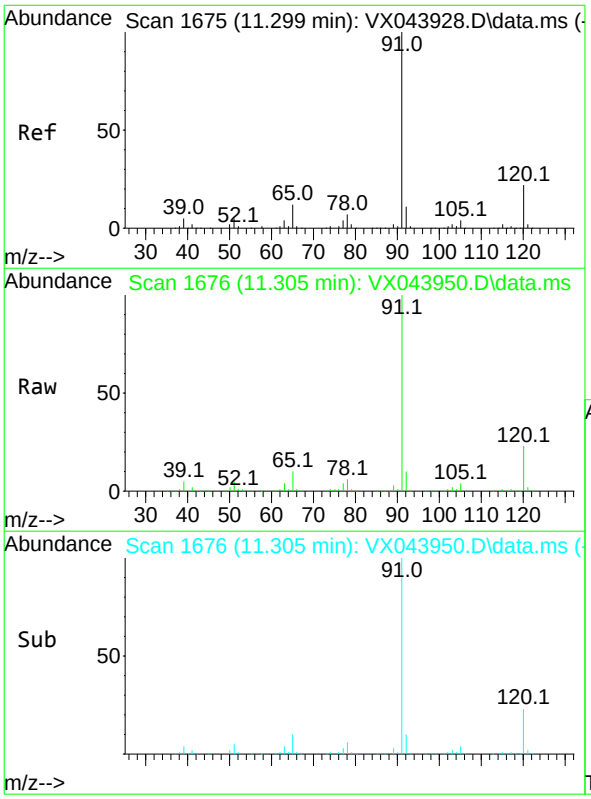
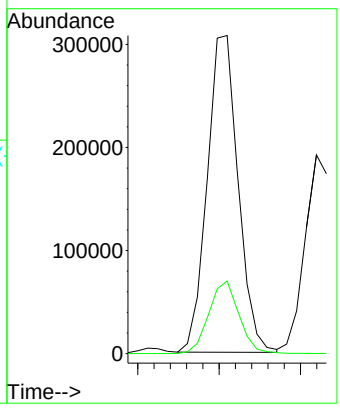


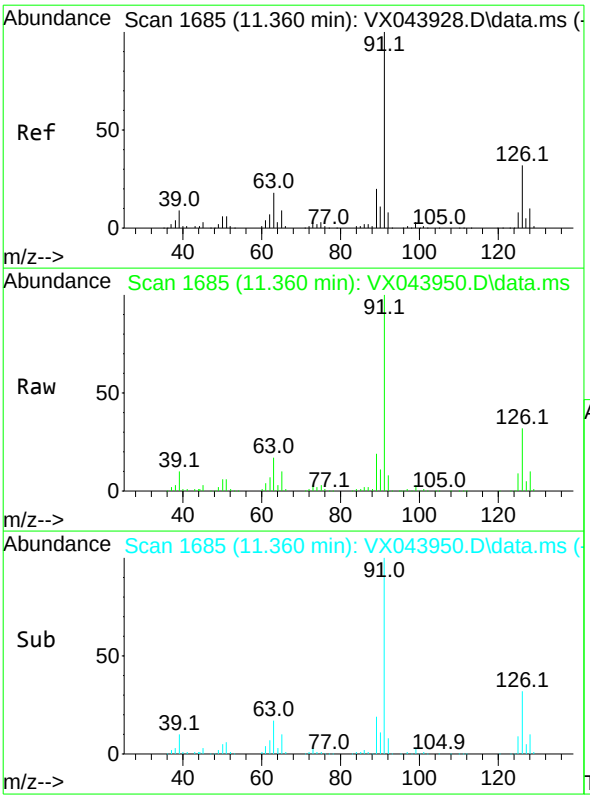




#78
n-propylbenzene
Concen: 53.765 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 406514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.5 | 34.4 |

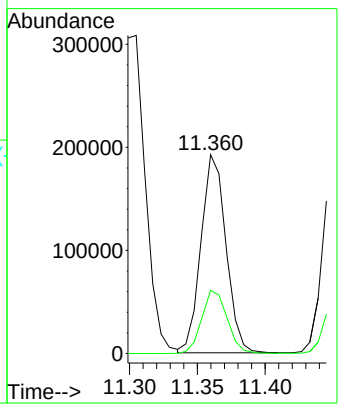





#79
2-Chlorotoluene
Concen: 51.573 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 246574

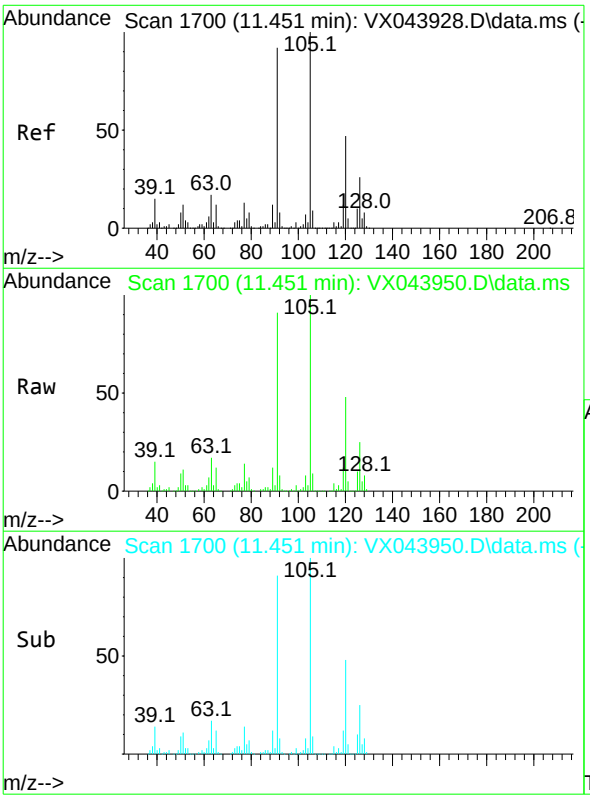
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.6 | 49.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

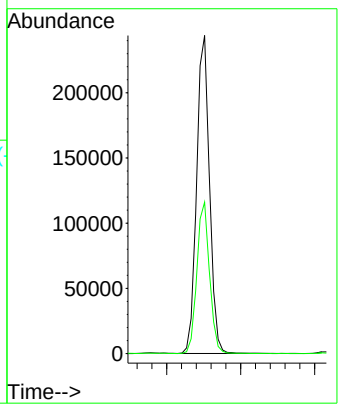
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

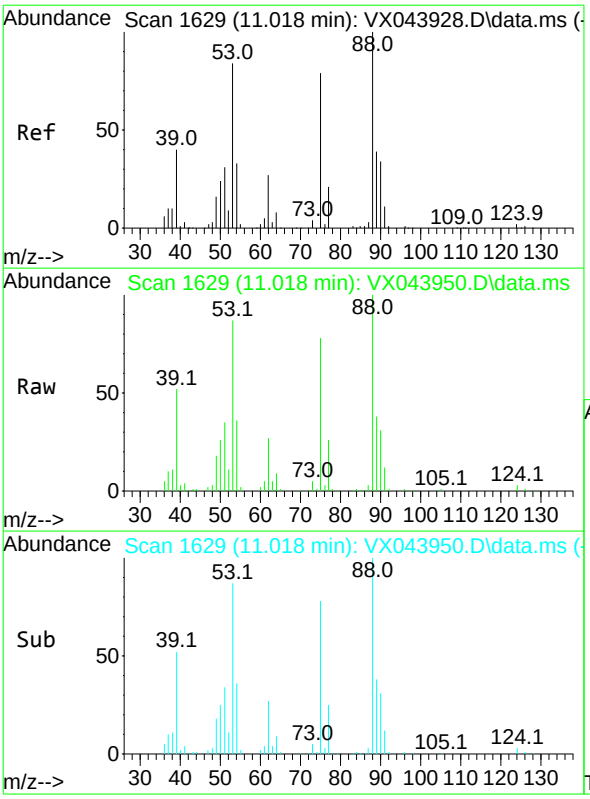



#80
1,3,5-Trimethylbenzene
Concen: 52.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 295006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.9 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 34321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.3 | 86.7 | 130.1 |
| 89 | 46.8 | 38.2 | 57.2 |

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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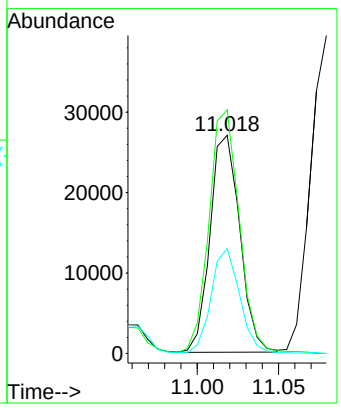
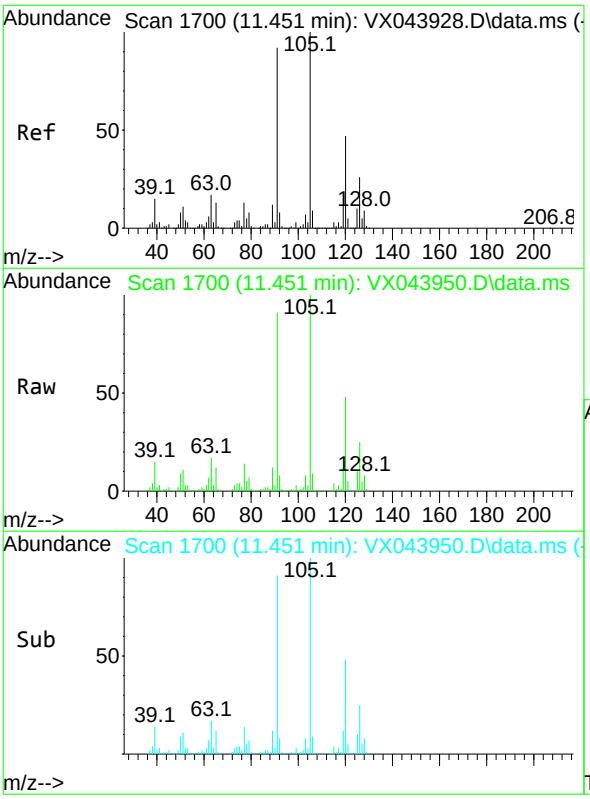
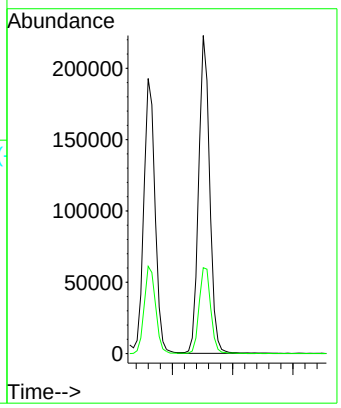


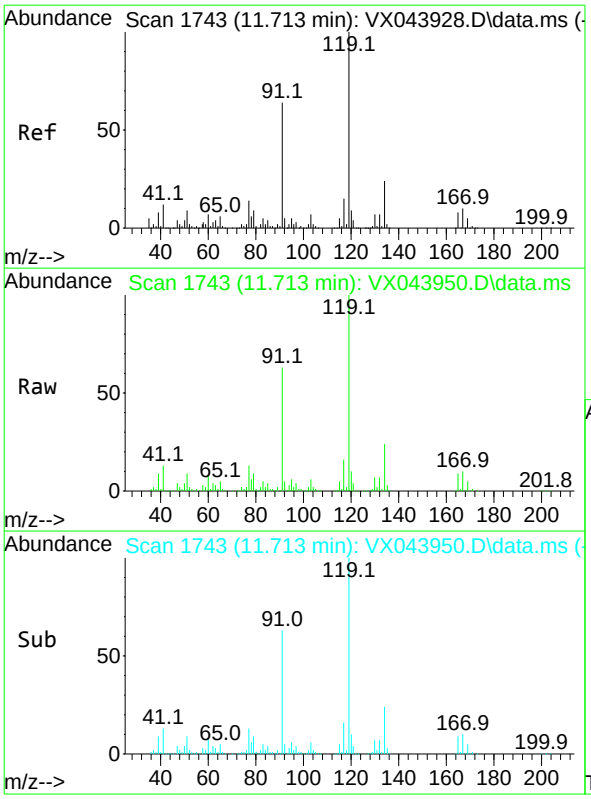




#82
4-Chlorotoluene
Concen: 52.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |

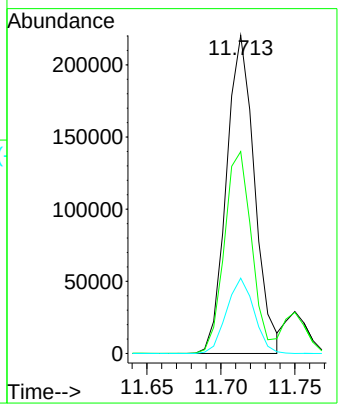





#83
tert-Butylbenzene
Concen: 52.754 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 291225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.3 | 31.0 | 93.0 |
| 134 | 23.2 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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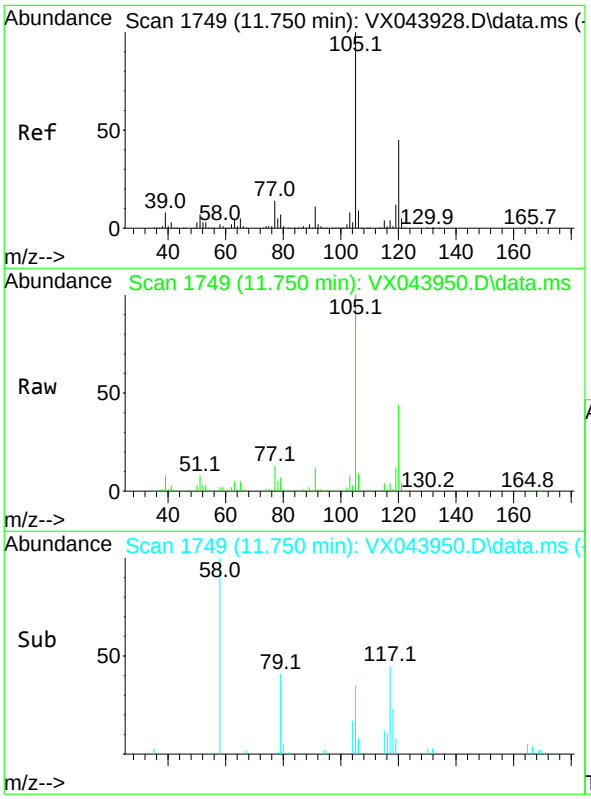
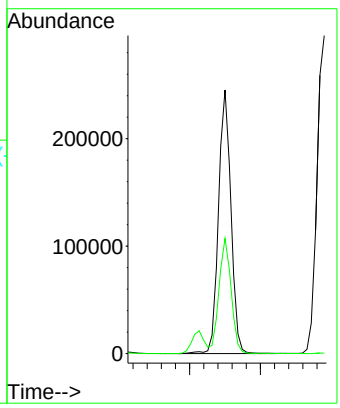
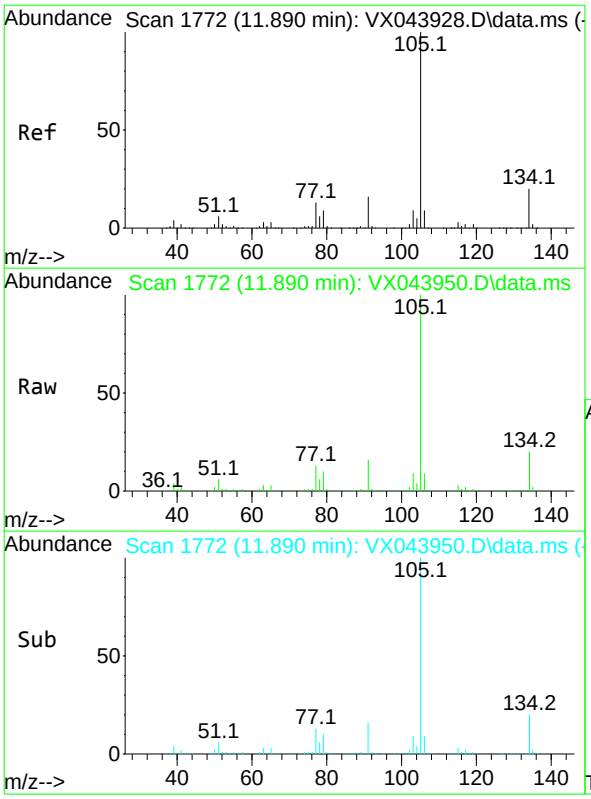



#84
1,2,4-Trimethylbenzene
Concen: 53.956 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 299186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 21.9 | 65.7 |

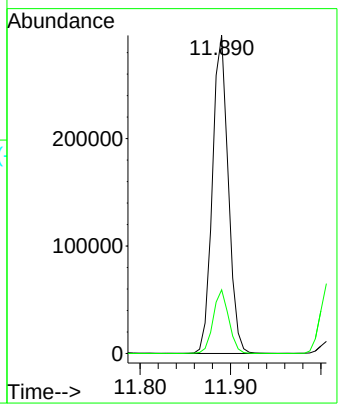





#85
sec-Butylbenzene
Concen: 53.293 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 360460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.7 | 29.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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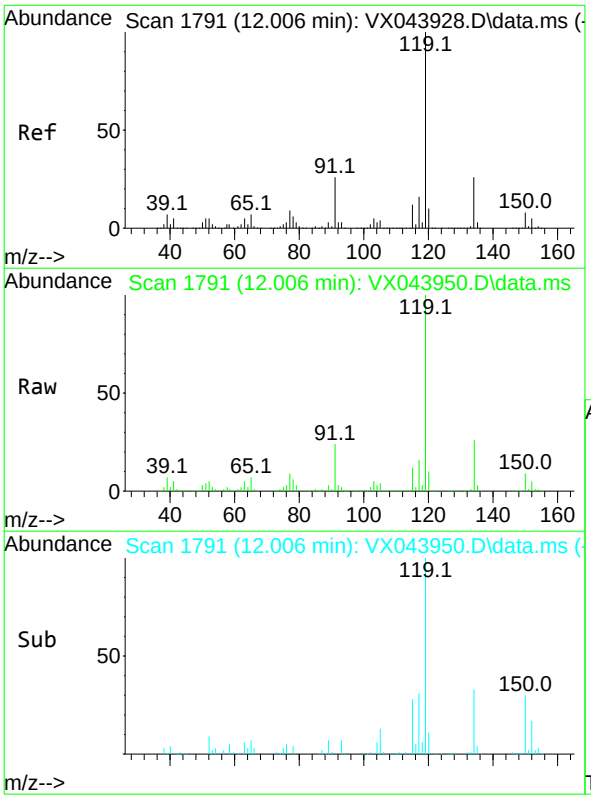
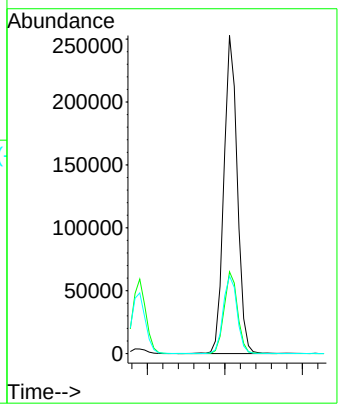
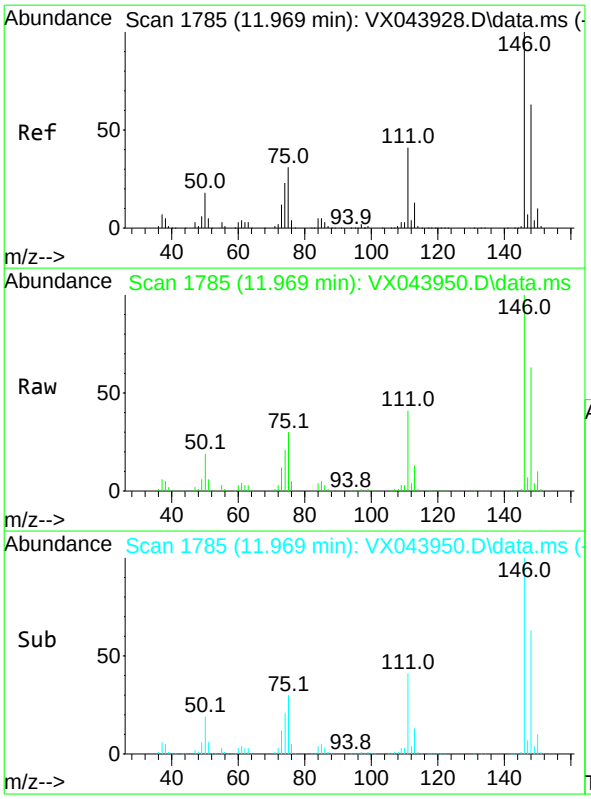



#86
p-Isopropyltoluene
Concen: 55.361 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 25.3 | 13.0 | 38.9 |






#87
1,3-Dichlorobenzene
Concen: 52.089 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

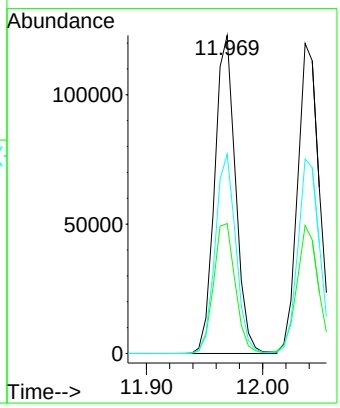
Tgt Ion:146 Resp: 153209

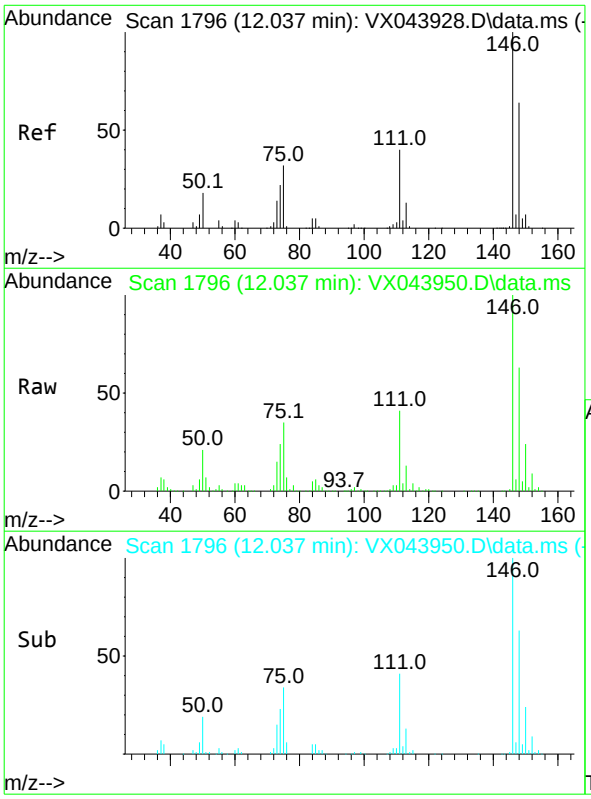
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.1 | 63.3 |
| 148 | 62.2 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

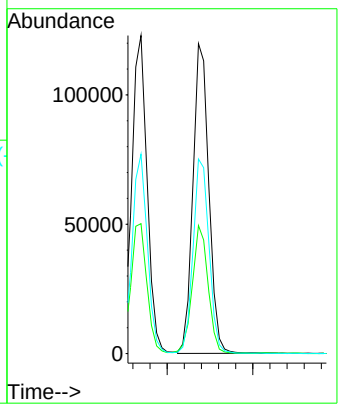


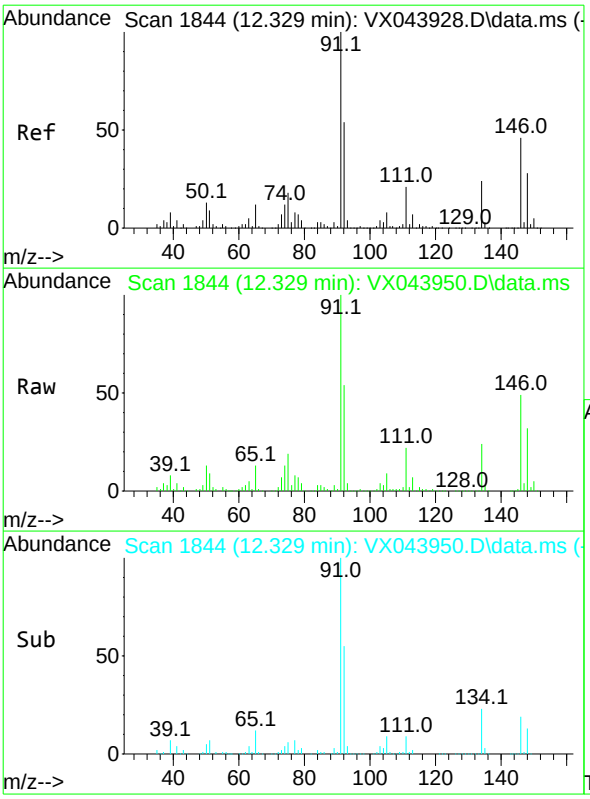




#88
1,4-Dichlorobenzene
Concen: 51.511 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 154469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.1 | 60.3 |
| 148 | 63.4 | 30.9 | 92.8 |






#89
n-Butylbenzene
Concen: 55.414 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

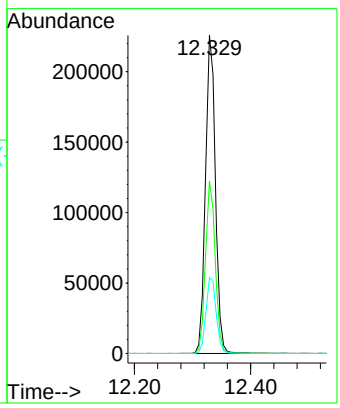
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

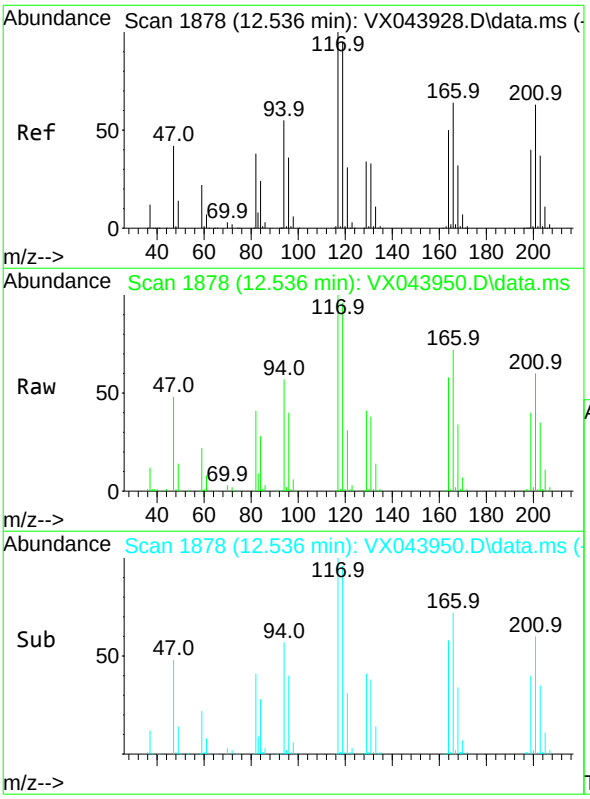
Tgt Ion: 91 Resp: 268422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

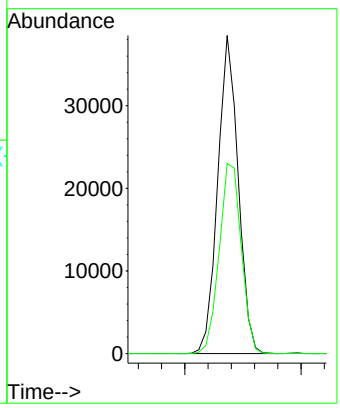


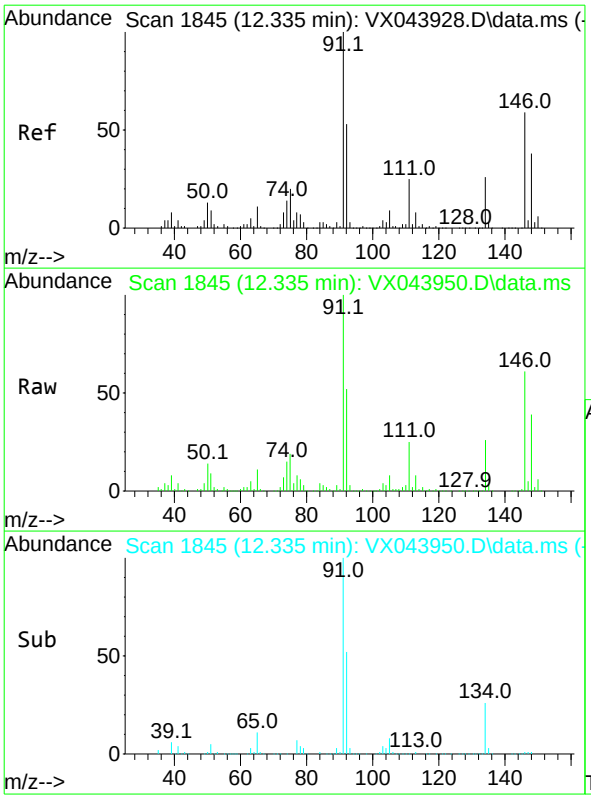




#90
Hexachloroethane
Concen: 50.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 47025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.6 | 32.4 | 97.0 |






#91
1,2-Dichlorobenzene
Concen: 52.281 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

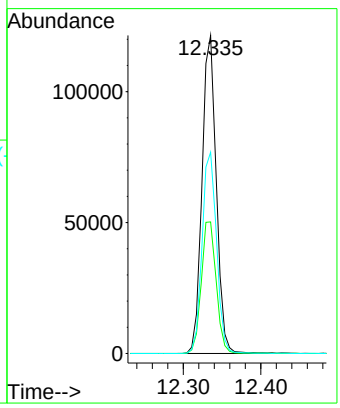
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

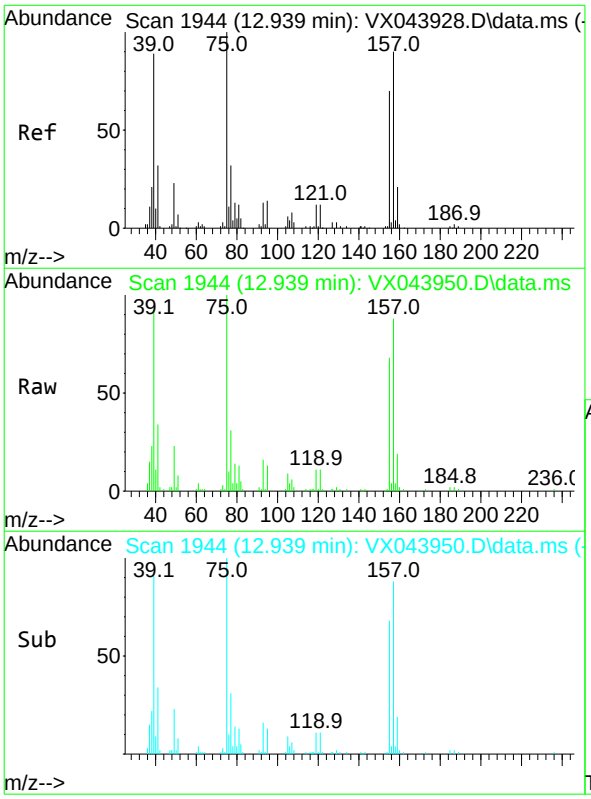
Tgt Ion:146 Resp: 155184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.5 | 64.5 |
| 148 | 64.5 | 31.9 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

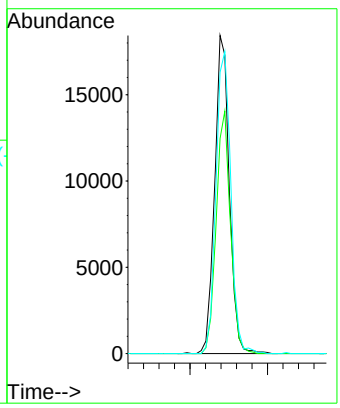


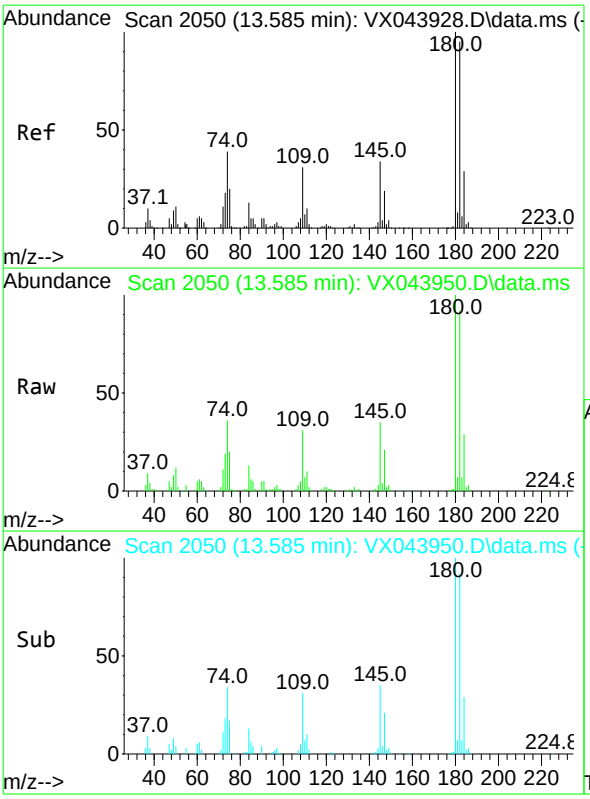




#92
1,2-Dibromo-3-Chloropropane
Concen: 52.076 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.3 | 40.1 | 120.2 |
| 157 | 96.2 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 54.252 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

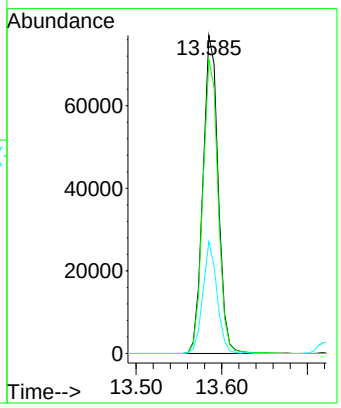
Tgt Ion:180 Resp: 94940

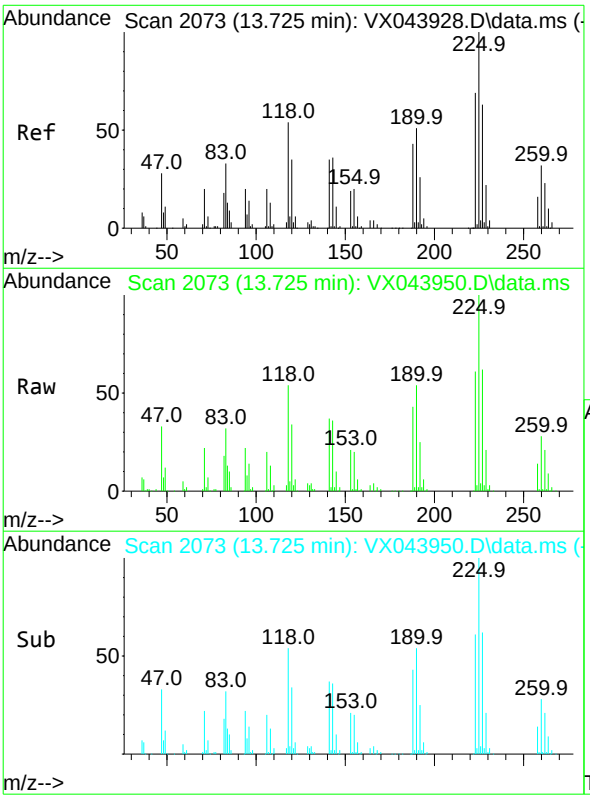
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 48.0 | 144.2 |
| 145 | 32.8 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

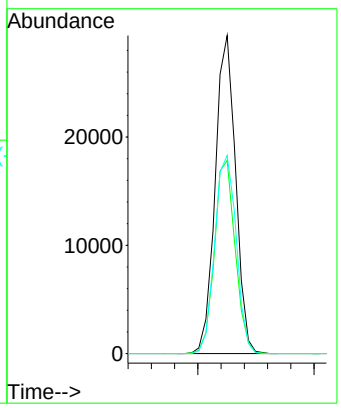


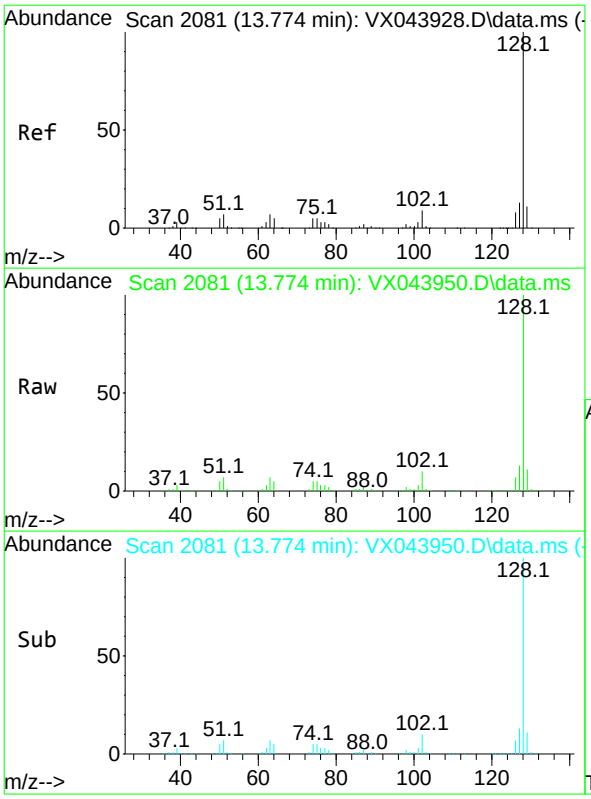




#94
Hexachlorobutadiene
Concen: 51.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 35816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 32.9 | 98.6 |
| 227 | 65.7 | 31.6 | 94.8 |

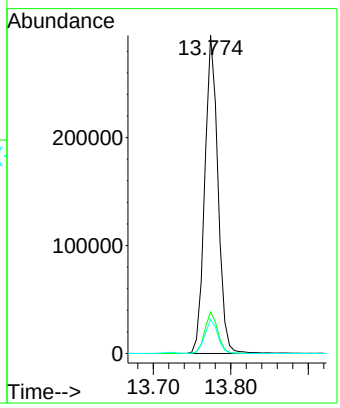





#95
Naphthalene
Concen: 55.215 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:128 Resp: 347826

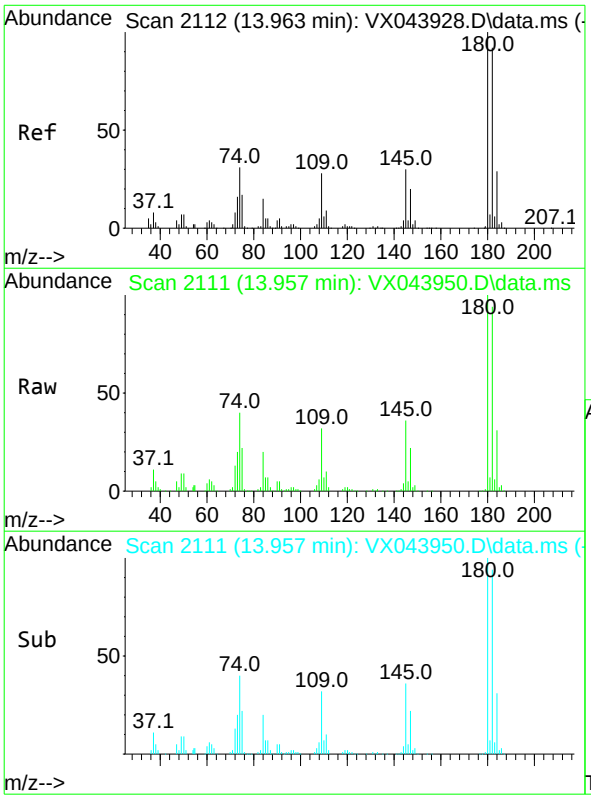
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.6 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

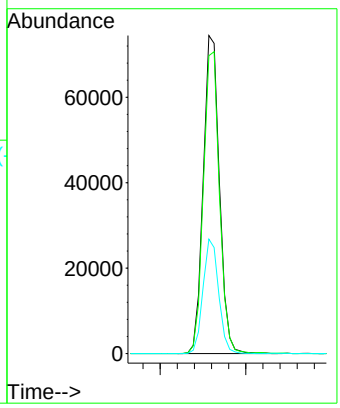
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024




#96
1,2,3-Trichlorobenzene
Concen: 55.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 97491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 45.6 | 136.8 |
| 145 | 34.8 | 16.4 | 49.4 |



Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.633 | 0.699 | -10.4 | 88 | 0.00 |
| 3 | P | Chloromethane | 0.667 | 0.733 | -9.9 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 0.709 | 0.742 | -4.7# | 84 | 0.00 |
| 5 | T | Bromomethane | 0.436 | 0.458 | -5.0 | 89 | 0.00 |
| 6 | T | Chloroethane | 0.432 | 0.419 | 3.0 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.268 | 1.478 | -16.6 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 0.462 | 0.473 | -2.4 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.652 | -7.8 | 86 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.789 | -4.5 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.138 | 0.130 | 5.8 | 78 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.576 | 0.586 | -1.7# | 84 | 0.00 |
| 13 | T | Acrolein | 0.145 | 0.146 | -0.7 | 87 | 0.00 |
| 14 | T | Allyl chloride | 0.941 | 1.013 | -7.7 | 84 | 0.00 |
| 15 | T | Acrylonitrile | 0.335 | 0.356 | -6.3 | 83 | 0.00 |
| 16 | T | Acetone | 0.394 | 0.395 | -0.3 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 1.188 | 1.132 | 4.7 | 76 | 0.00 |
| 18 | T | Methyl Acetate | 0.917 | 0.947 | -3.3 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.092 | 2.228 | -6.5 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 0.668 | 0.684 | -2.4 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.595 | 0.624 | -4.9 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 2.013 | 2.151 | -6.9 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 1.722 | 1.880 | -9.2 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.161 | 1.252 | -7.8 | 86 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.528 | -3.9 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.049 | 1.090 | -3.9 | 83 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.735 | 0.765 | -4.1 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.493 | 3.5 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.312 | 0.321 | -2.9 | 82 | 0.00 |
| 30 | C | Chloroform | 1.249 | 1.325 | -6.1# | 87 | 0.00 |
| 31 | T | Cyclohexane | 0.956 | 1.019 | -6.6 | 85 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.175 | -9.1 | 86 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.858 | 0.843 | 1.7 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.357 | 0.359 | -0.6 | 96 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.495 | -11.2 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.580 | -4.9 | 83 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.540 | -8.0 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 0.578 | 0.634 | -9.7 | 84 | 0.00 |
| 40 | TM | Benzene | 1.387 | 1.498 | -8.0 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 0.283 | 0.293 | -3.5 | 77 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.557 | 0.607 | -9.0 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.880 | 0.935 | -6.3 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 0.393 | 0.368 | 6.4 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.340 | 0.374 | -10.0# | 88 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.290 | -7.8 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 0.482 | 0.527 | -9.3 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 0.422 | 0.443 | -5.0 | 82 | 0.00 |

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.007 | 12.5 | 77 | 0.00 |
| 50 | S | Toluene-d8 | 1.232 | 1.251 | -1.5 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.537 | 0.578 | -7.6 | 83 | 0.00 |
| 52 | CM | Toluene | 0.830 | 0.912 | -9.9# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.491 | 0.540 | -10.0 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.539 | 0.582 | -8.0 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.359 | -4.7 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.534 | 0.580 | -8.6 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.577 | 0.630 | -9.2 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.273 | 0.287 | -5.1 | 81 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.435 | -7.9 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 0.344 | 0.370 | -7.6 | 81 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.346 | 0.374 | -8.1 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.419 | 0.433 | -3.3 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 64 | T | Tetrachloroethene | 0.330 | 0.358 | -8.5 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 1.098 | 1.156 | -5.3 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.356 | 0.391 | -9.8 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 1.861 | 2.060 | -10.7# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 0.694 | 0.769 | -10.8 | 85 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.748 | -10.3 | 83 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.258 | -12.2 | 84 | 0.00 |
| 71 | P | Bromoform | 0.240 | 0.263 | -9.6 | 78 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 3.843 | 4.000 | -4.1 | 86 | 0.00 |
| 74 | T | N-amyl acetate | 1.780 | 1.851 | -4.0 | 81 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.316 | 1.353 | -2.8 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.096 | 1.138 | -3.8 | 85 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.941 | -2.6 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 4.293 | 4.616 | -7.5 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.714 | 2.800 | -3.2 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.162 | 3.350 | -5.9 | 85 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.402 | 0.390 | 3.0 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.064 | 3.199 | -4.4 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.134 | 3.307 | -5.5 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.148 | 3.397 | -7.9 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.840 | 4.093 | -6.6 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.119 | 3.454 | -10.7 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.670 | 1.740 | -4.2 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.702 | 1.754 | -3.1 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 2.750 | 3.048 | -10.8 | 84 | 0.00 |
| 90 | T | Hexachloroethane | 0.530 | 0.534 | -0.8 | 80 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.685 | 1.762 | -4.6 | 88 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.275 | -4.2 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.994 | 1.078 | -8.5 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.393 | 0.407 | -3.6 | 87 | 0.00 |
| 95 | T | Naphthalene | 3.576 | 3.949 | -10.4 | 87 | 0.00 |

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.107 | -10.0 | 87 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 55.175 | -10.3 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 54.963 | -9.9 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.301 | -4.6# | 84 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.486 | -5.0 | 89 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.505 | 3.0 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 58.296 | -16.6 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.158 | -2.3 | 86 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.892 | -7.8 | 86 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.213 | -4.4 | 84 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 236.901 | 5.2 | 78 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.831 | -1.7# | 84 | 0.00 |
| 13 | T | Acrolein | 250.000 | 251.363 | -0.5 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.777 | -7.6 | 84 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 265.550 | -6.2 | 83 | 0.00 |
| 16 | T | Acetone | 250.000 | 250.770 | -0.3 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.616 | 4.8 | 76 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.629 | -3.3 | 83 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.261 | -6.5 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 51.146 | -2.3 | 89 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.461 | -4.9 | 85 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.416 | -6.8 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 272.921 | -9.2 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.913 | -7.8 | 86 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 259.902 | -4.0 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 51.956 | -3.9 | 83 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.023 | -4.0 | 84 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.235 | 3.5 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 257.216 | -2.9 | 82 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.043 | -6.1# | 87 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 53.324 | -6.6 | 85 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.526 | -9.1 | 86 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.135 | 1.7 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.272 | -0.5 | 96 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.562 | -11.1 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.440 | -4.9 | 83 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.945 | -7.9 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.849 | -9.7 | 84 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.016 | -8.0 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.710 | -3.4 | 77 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.501 | -9.0 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.153 | -6.3 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 46.882 | 6.2 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.044 | -10.1# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.916 | -7.8 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.645 | -9.3 | 84 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.453 | -4.9 | 82 | 0.00 |

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 956.809 | 4.3 | 77 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.769 | -1.5 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 269.433 | -7.8 | 83 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.965 | -9.9# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.971 | -9.9 | 83 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.052 | -8.1 | 83 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.387 | -4.8 | 84 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.352 | -8.7 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.563 | -9.1 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 244.819 | 2.1 | 81 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 269.358 | -7.7 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.853 | -7.7 | 81 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.040 | -8.1 | 85 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.686 | -3.4 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.365 | -8.7 | 87 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.640 | -5.3 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.854 | -9.7 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.362 | -10.7# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 110.758 | -10.8 | 85 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 55.187 | -10.4 | 83 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.140 | -12.3 | 84 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.773 | 2.5 | 78 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.039 | -4.1 | 86 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.973 | -3.9 | 81 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.403 | -2.8 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.893 | -3.8 | 85 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.338 | -2.7 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.765 | -7.5 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.573 | -3.1 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.968 | -5.9 | 85 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 48.492 | 3.0 | 77 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.200 | -4.4 | 84 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.754 | -5.5 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.956 | -7.9 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.293 | -6.6 | 85 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.361 | -10.7 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.089 | -4.2 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.511 | -3.0 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.414 | -10.8 | 84 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.336 | -0.7 | 80 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.281 | -4.6 | 88 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.076 | -4.2 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.252 | -8.5 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.785 | -3.6 | 87 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.215 | -10.4 | 87 | 0.00 |

Sample Results: **VX043950.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.041 | -10.1 | 87 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX043975.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Chloromethane | 0.667 | 0.604 | 0.1 | -9.44 | 50 |
| Vinyl Chloride | 0.709 | 0.633 | | -10.72 | 50 |
| Bromomethane | 0.436 | 0.468 | | 7.34 | 50 |
| Chloroethane | 0.432 | 0.412 | | -4.63 | 50 |
| Trichlorofluoromethane | 1.268 | 1.357 | | 7.02 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.544 | | -10.08 | 50 |
| 1,1-Dichloroethene | 0.576 | 0.528 | | -8.33 | 50 |
| Acetone | 0.394 | 0.292 | | -25.89 | 50 |
| Carbon Disulfide | 1.188 | 1.034 | | -12.96 | 50 |
| Methyl tert-butyl Ether | 2.092 | 2.090 | | -0.1 | 50 |
| Methylene Chloride | 0.668 | 0.624 | | -6.59 | 50 |
| trans-1,2-Dichloroethene | 0.595 | 0.569 | | -4.37 | 50 |
| 1,1-Dichloroethane | 1.161 | 1.155 | 0.1 | -0.52 | 50 |
| 2-Butanone | 0.508 | 0.453 | | -10.83 | 50 |
| Carbon Tetrachloride | 0.500 | 0.488 | | -2.4 | 50 |
| cis-1,2-Dichloroethene | 0.735 | 0.728 | | -0.95 | 50 |
| Chloroform | 1.249 | 1.246 | | -0.24 | 50 |
| 1,1,1-Trichloroethane | 1.077 | 1.102 | | 2.32 | 50 |
| Methylcyclohexane | 0.578 | 0.512 | | -11.42 | 50 |
| Benzene | 1.387 | 1.324 | | -4.54 | 50 |
| 1,2-Dichloroethane | 0.557 | 0.541 | | -2.87 | 50 |
| Trichloroethene | 0.393 | 0.317 | | -19.34 | 50 |
| 1,2-Dichloropropane | 0.340 | 0.329 | | -3.23 | 50 |
| Bromodichloromethane | 0.482 | 0.474 | | -1.66 | 50 |
| 4-Methyl-2-Pentanone | 0.537 | 0.509 | | -5.21 | 50 |
| Toluene | 0.830 | 0.802 | | -3.37 | 50 |
| t-1,3-Dichloropropene | 0.491 | 0.480 | | -2.24 | 50 |
| cis-1,3-Dichloropropene | 0.539 | 0.525 | | -2.6 | 50 |
| 1,1,2-Trichloroethane | 0.343 | 0.324 | | -5.54 | 50 |
| 2-Hexanone | 0.403 | 0.376 | | -6.7 | 50 |
| Dibromochloromethane | 0.344 | 0.327 | | -4.94 | 50 |
| Tetrachloroethene | 0.330 | 0.305 | | -7.58 | 50 |
| Chlorobenzene | 1.098 | 1.047 | 0.3 | -4.64 | 50 |
| Ethyl Benzene | 1.861 | 1.812 | | -2.63 | 50 |
| m/p-Xylenes | 0.694 | 0.689 | | -0.72 | 50 |
| o-Xylene | 0.678 | 0.676 | | -0.29 | 50 |
| Styrene | 1.121 | 1.146 | | 2.23 | 50 |
| Bromoform | 0.240 | 0.239 | 0.1 | -0.42 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX043975.D**

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4934 SAS No.: P4934 SDG No.: P4934

Instrument ID: MSVOA_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Isopropylbenzene | 3.843 | 3.785 | | -1.51 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.316 | 1.298 | 0.3 | -1.37 | 50 |
| 1,3-Dichlorobenzene | 1.670 | 1.571 | | -5.93 | 50 |
| 1,4-Dichlorobenzene | 1.702 | 1.595 | | -6.29 | 50 |
| 1,2-Dichlorobenzene | 1.685 | 1.612 | | -4.33 | 50 |
| 1,2-Dichloroethane-d4 | 0.858 | 0.889 | | 3.61 | 50 |
| Dibromofluoromethane | 0.357 | 0.358 | | 0.28 | 50 |
| Toluene-d8 | 1.232 | 1.216 | | -1.3 | 50 |
| 4-Bromofluorobenzene | 0.419 | 0.417 | | -0.48 | 50 |

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 122980 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 223634 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 188299 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 86425 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109385 | 51.858 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 103.720% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 80080 | 50.113 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.220% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 272032 | 49.385 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.780% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93160 | 49.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.380% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 68061 | 43.686 | ug/l | 100 |
| 3) Chloromethane | 1.295 | 50 | 74224 | 45.274 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 77794 | 44.612 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 57584 | 53.679 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 50694 | 47.709 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 166881 | 53.528 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 52774 | 46.443 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 66870 | 44.966 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 87758 | 47.250 | ug/l | 97 |
| 11) Tert butyl alcohol | 3.002 | 59 | 72806 | 215.043 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 64902 | 45.800 | ug/l | 96 |
| 13) Acrolein | 2.233 | 56 | 77602 | 217.457 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 113282 | 48.923 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 194254 | 235.443 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 179850 | 185.644 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 127176 | 43.508 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 104004 | 46.099 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 257085 | 49.964 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 76764 | 46.692 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 70023 | 47.861 | ug/l | 98 |
| 22) Diisopropyl ether | 3.758 | 45 | 248613 | 50.212 | ug/l | 92 |
| 23) Vinyl Acetate | 3.721 | 43 | 1083211 | 255.744 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 142098 | 49.748 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 278537 | 222.822 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 117521 | 45.557 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 89489 | 49.483 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 63042 | 50.141 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.007 | 42 | 175631 | 229.176 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 153240 | 49.881 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 108654 | 46.218 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 135463 | 51.132 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 96384 | 48.403 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 111838 | 45.245 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 109113 | 48.766 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 114556 | 44.283 | ug/l | 97 |
| 40) Benzene | 6.032 | 78 | 296066 | 47.732 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 58876 | 46.538 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 120886 | 48.527 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 188827 | 48.002 ug/l | 100 |
| 44) Trichloroethene | 7.123 | 130 | 70858 | 40.354 ug/l | 93 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 73488 | 48.373 ug/l | 100 |
| 46) Dibromomethane | 7.580 | 93 | 57212 | 47.608 ug/l | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 106111 | 49.233 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 86803 | 45.987 ug/l | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 23838 | 708.970 ug/l # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 569005 | 237.028 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 179366 | 48.314 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107403 | 48.867 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 117473 | 48.756 ug/l | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72401 | 47.244 ug/l | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118682 | 49.720 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 123967 | 48.020 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279741 | 213.469 ug/l | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 420948 | 233.298 ug/l | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 73109 | 47.547 ug/l | 96 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 76113 | 49.118 ug/l | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 57495 | 46.307 ug/l | 93 |
| 65) Chlorobenzene | 10.080 | 112 | 197185 | 47.680 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 66254 | 49.398 ug/l | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 341272 | 48.699 ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 259471 | 99.287 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 127383 | 49.924 ug/l | 96 |
| 70) Styrene | 10.653 | 104 | 215795 | 51.134 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 45026 | 44.579 ug/l # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 327150 | 49.244 ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 158903 | 51.633 ug/l | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 112173 | 49.312 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 94567m | 49.896 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 76053 | 47.990 ug/l | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 379686 | 51.172 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 231439 | 49.328 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 277669 | 50.803 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 30621 | 44.087 ug/l | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 265745 | 50.170 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 275078 | 50.777 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 274500 | 50.446 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 325633 | 49.060 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 271259 | 50.312 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 135787 | 47.044 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 137836 | 46.839 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 240255 | 50.543 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 44170 | 48.179 ug/l | 93 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 139290 | 47.819 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 21512 | 47.196 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 80863 | 47.087 ug/l | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29838 | 43.962 ug/l | 99 |
| 95) Naphthalene | 13.774 | 128 | 311837 | 50.444 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 87371 | 50.266 ug/l | 97 |

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

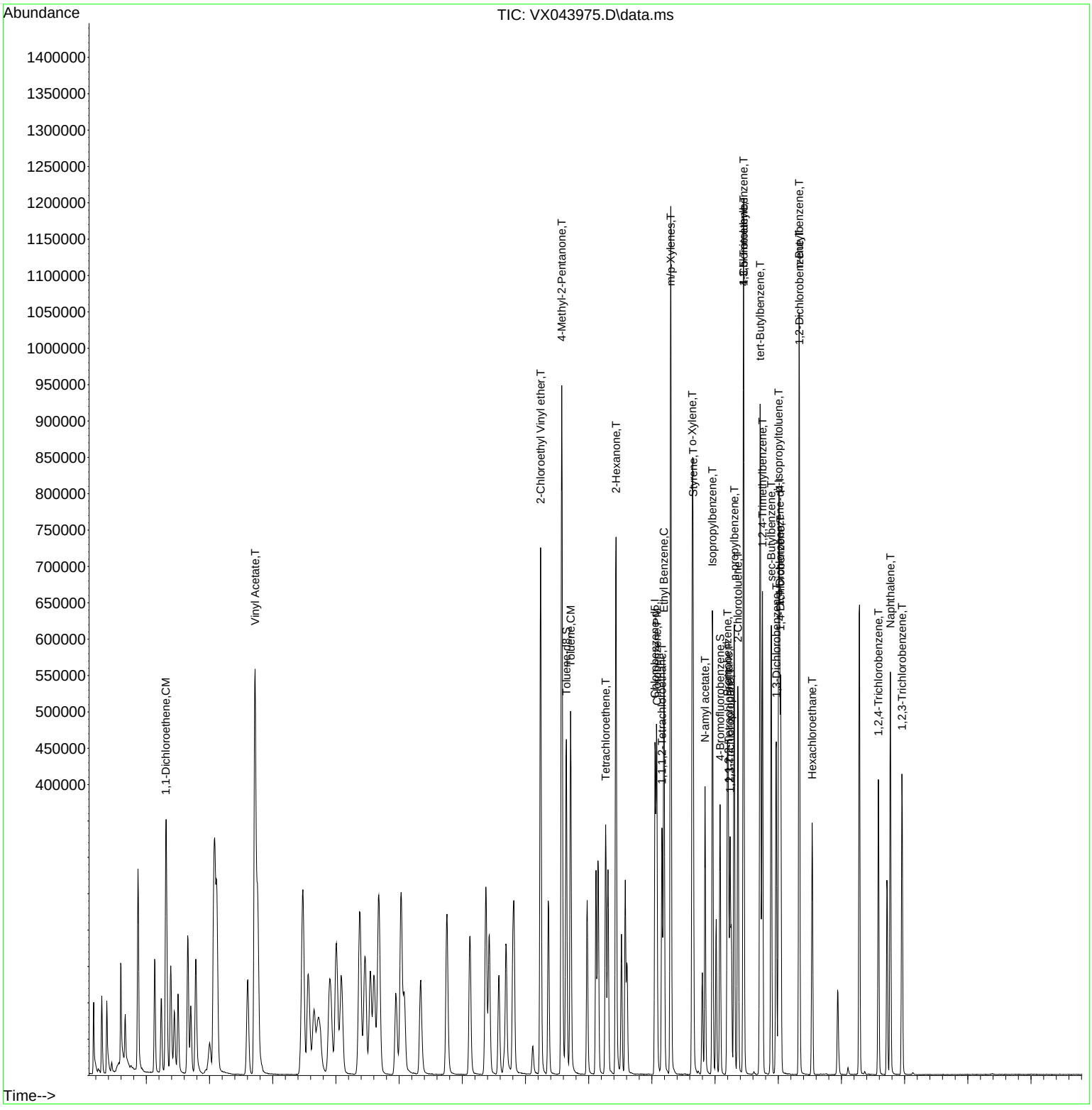
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

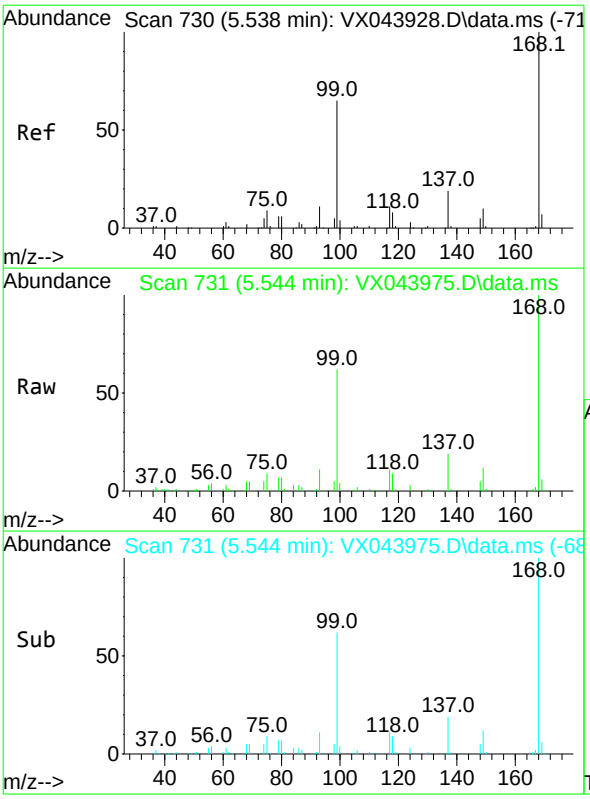
Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

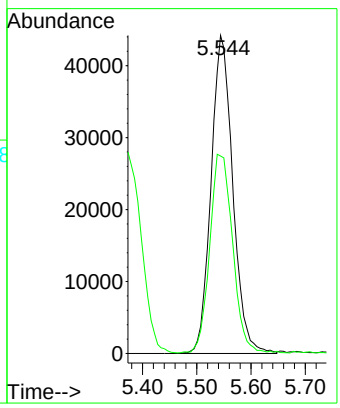





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:168 Resp: 122980

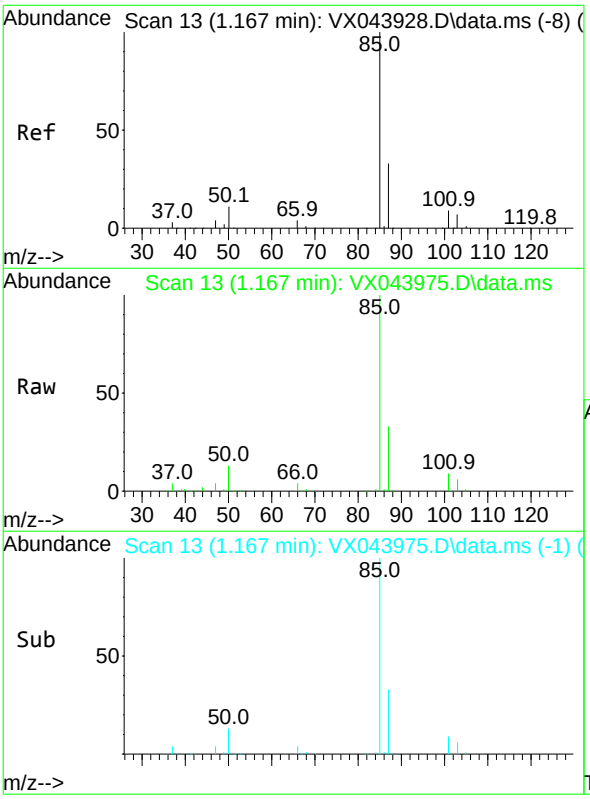
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.9 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

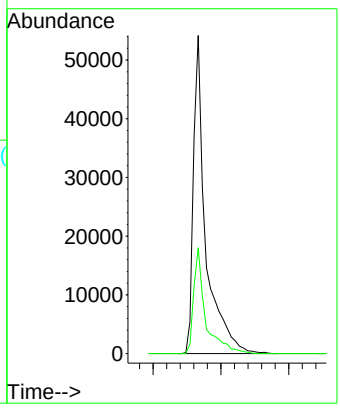
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

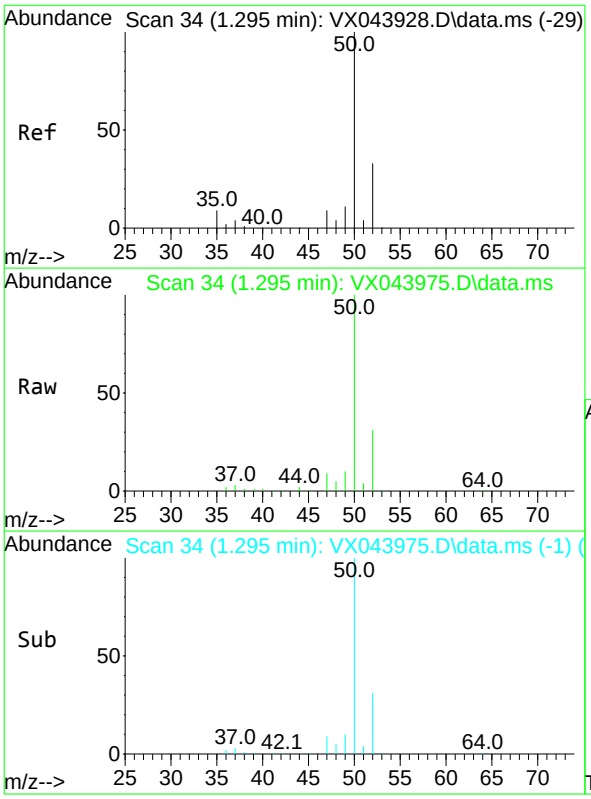



#2
Dichlorodifluoromethane
Concen: 43.686 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |

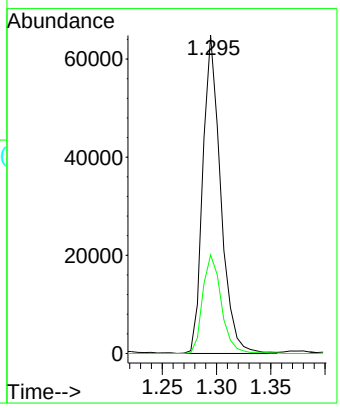





#3
Chloromethane
Concen: 45.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 50 Resp: 74224

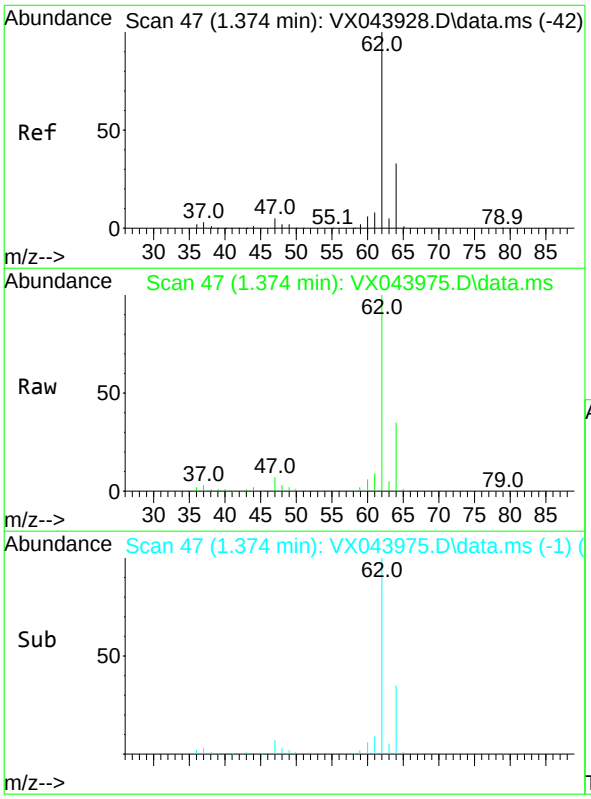
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

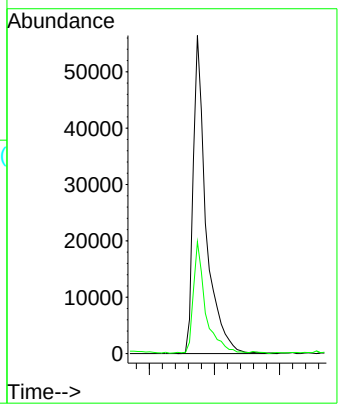
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

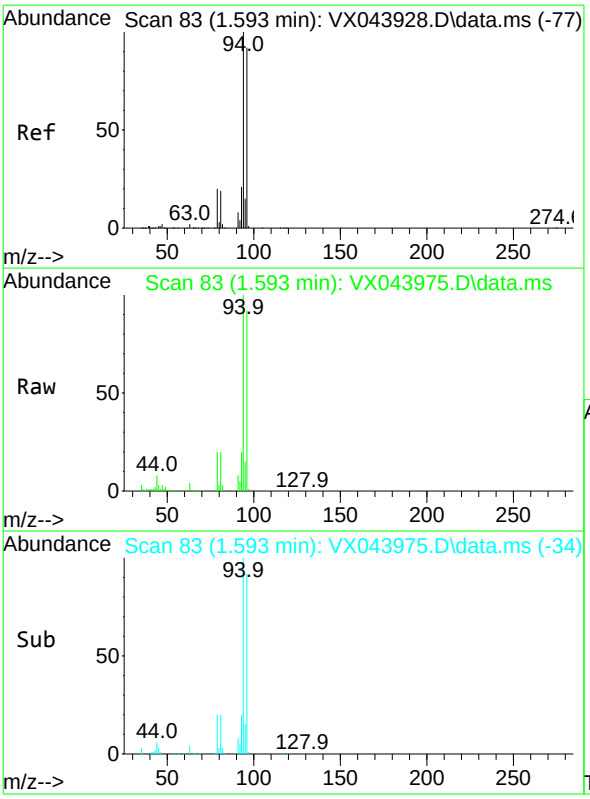



#4
Vinyl Chloride
Concen: 44.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.8 | 26.2 | 39.4 |

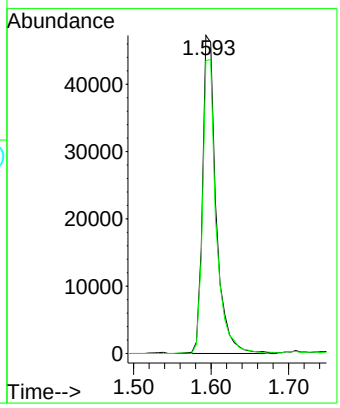





#5
Bromomethane
Concen: 53.679 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 94 Resp: 57584

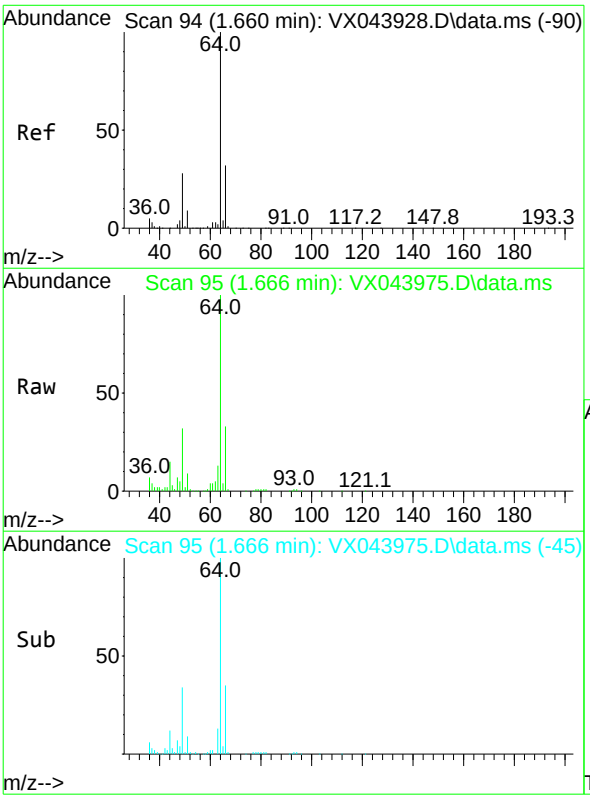
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

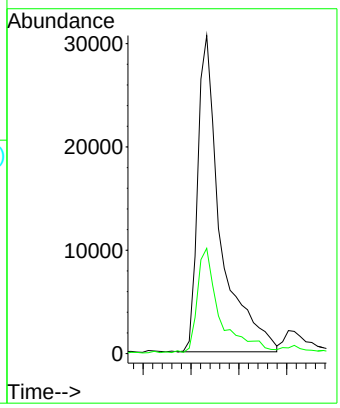
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

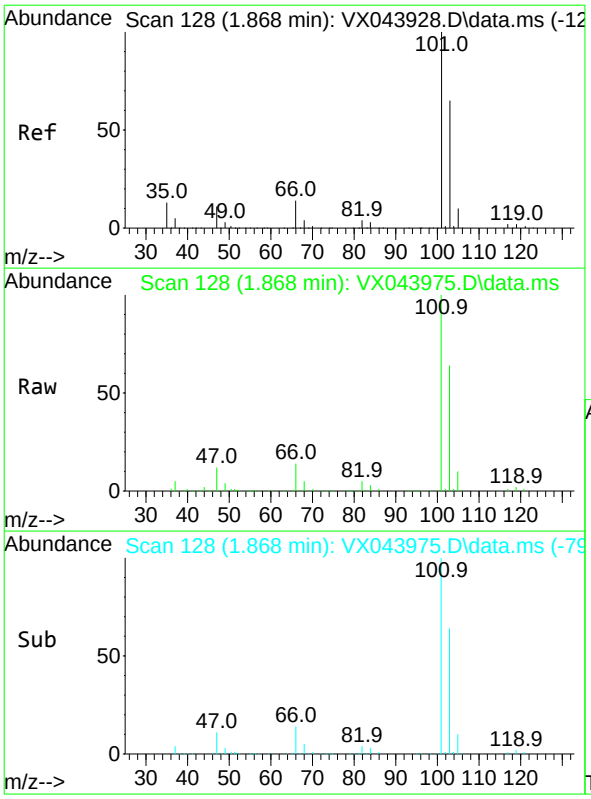



#6
Chloroethane
Concen: 47.709 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.9 | 38.9 |






#7
Trichlorofluoromethane
Concen: 53.528 ug/l
RT: 1.868 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

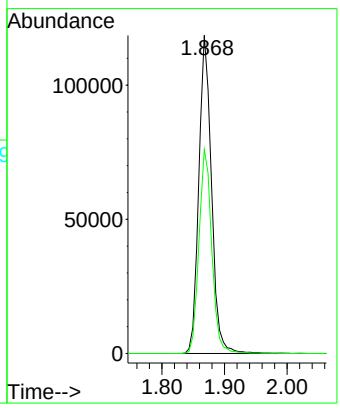
Tgt Ion:101 Resp: 166881

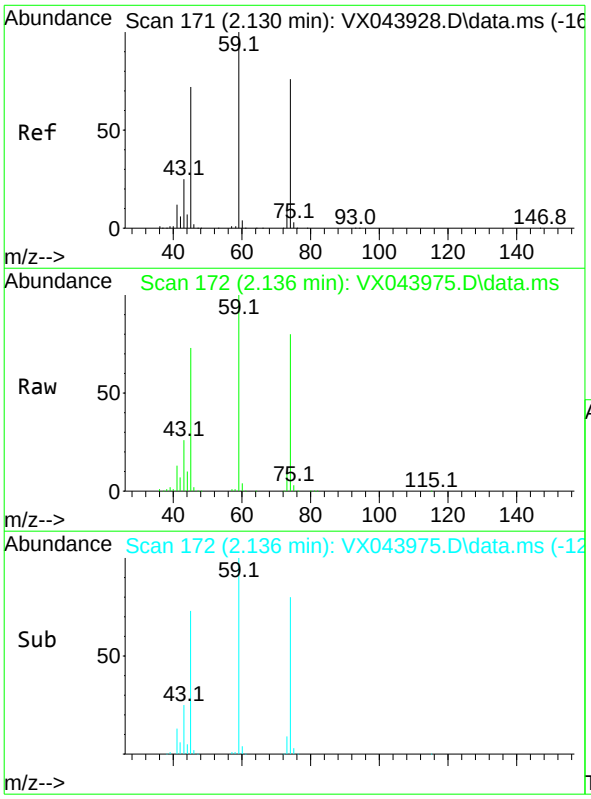
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 52.2 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

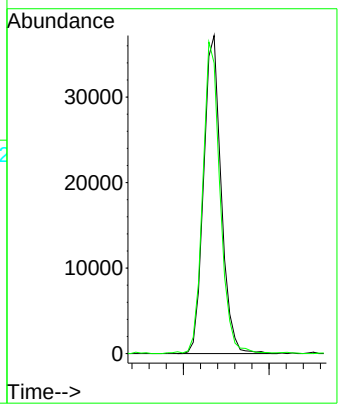


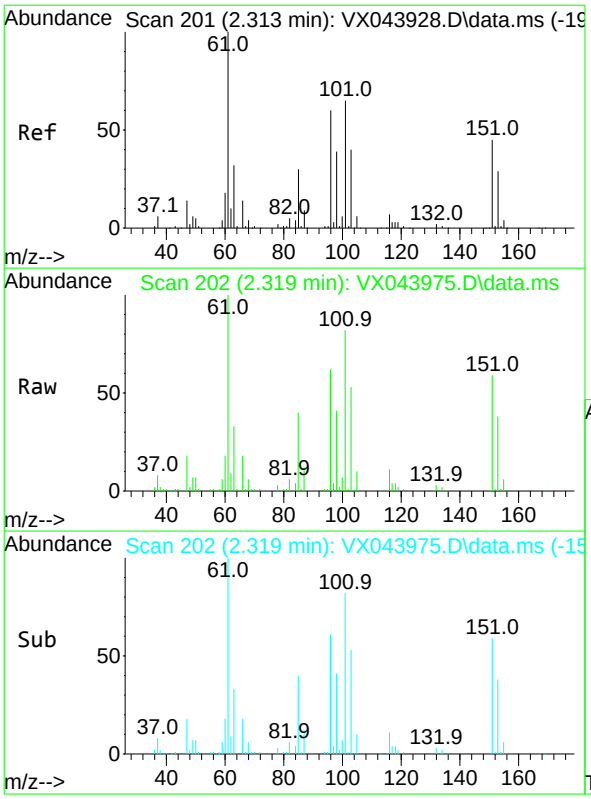




#8
Diethyl Ether
Concen: 46.443 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.1 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.966 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

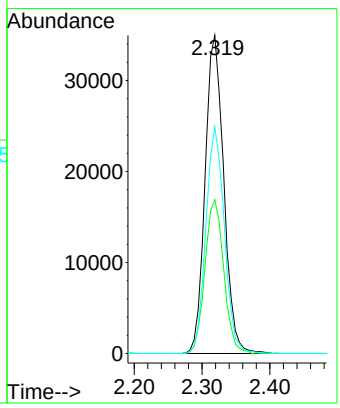
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

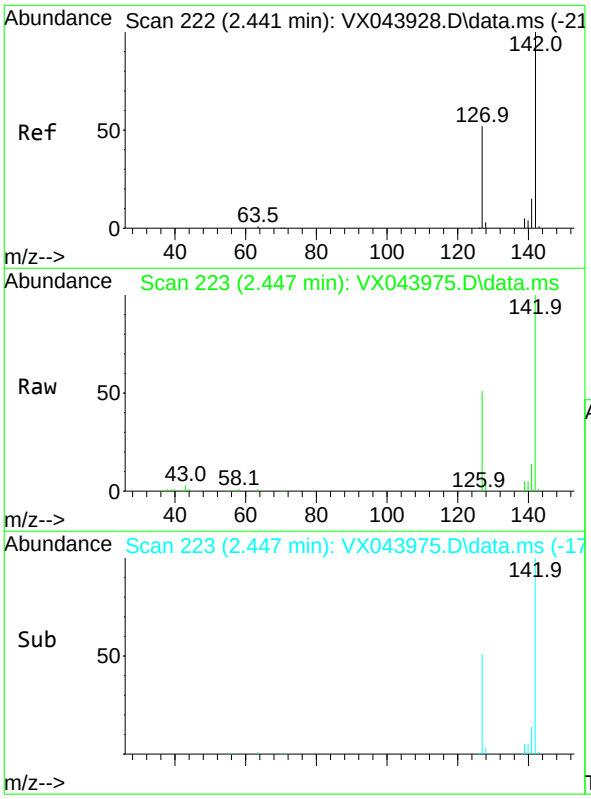
Tgt Ion:101 Resp: 66870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.8 | 37.9 | 56.9 |
| 151 | 70.6 | 57.5 | 86.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

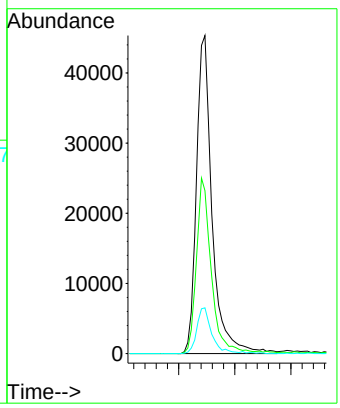


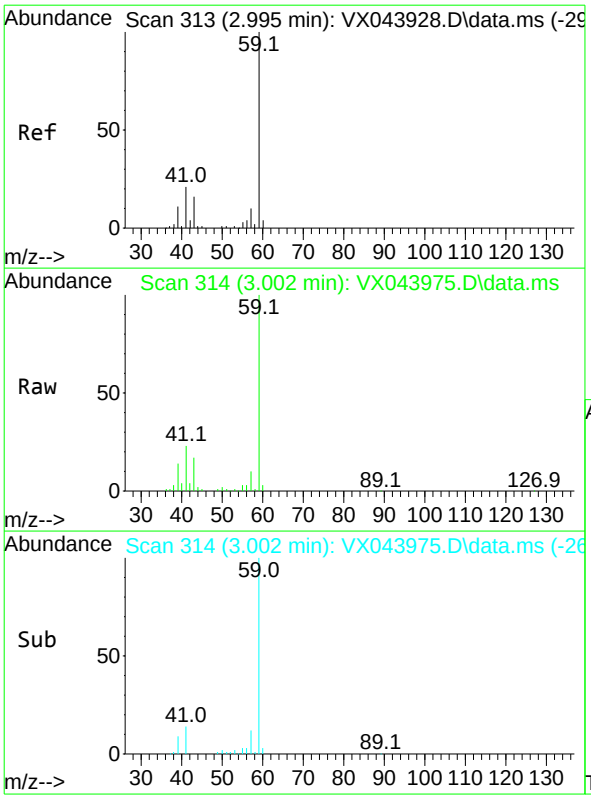




#10
Methyl Iodide
Concen: 47.250 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.0 | 40.7 | 61.1 |
| 141 | 13.6 | 12.0 | 18.0 |






#11
Tert butyl alcohol
Concen: 215.043 ug/l
RT: 3.002 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

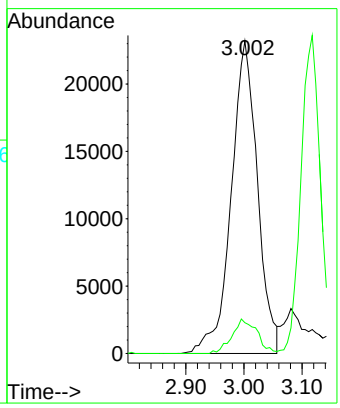
Tgt Ion: 59 Resp: 72806

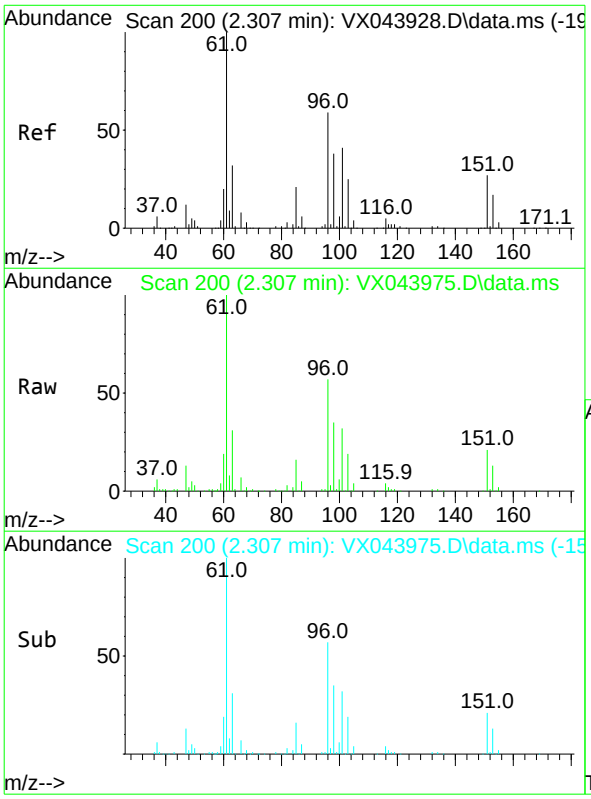
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

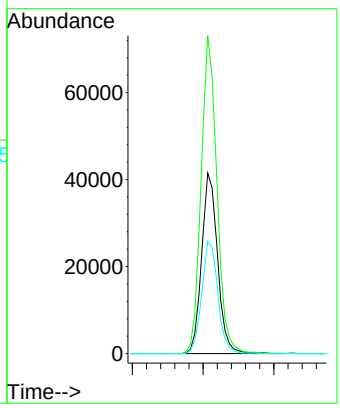


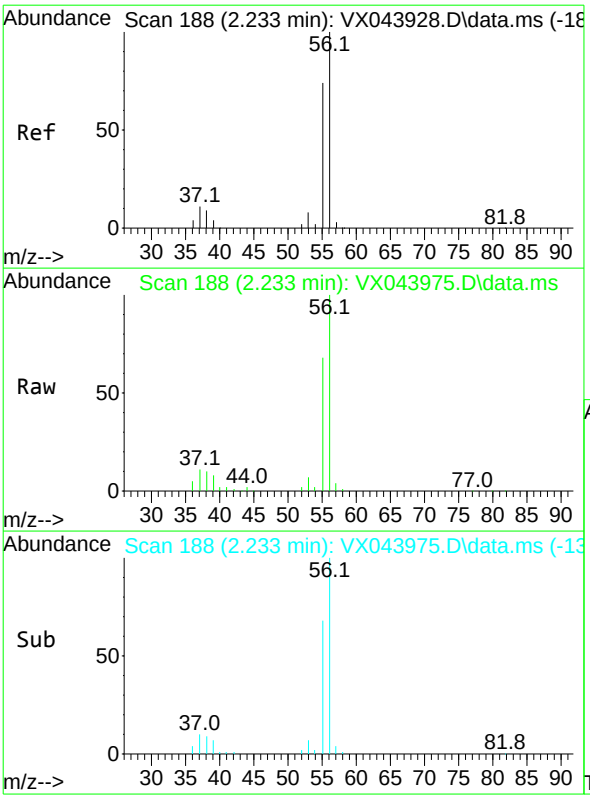




#12
1,1-Dichloroethene
Concen: 45.800 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 176.1 | 135.5 | 203.3 |
| 98 | 62.2 | 50.8 | 76.2 |

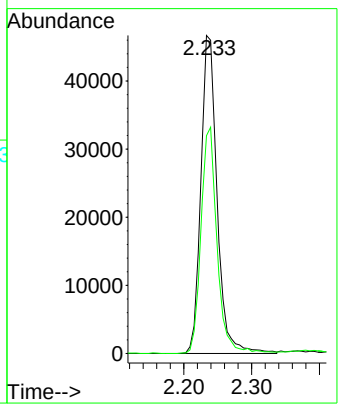





#13
Acrolein
Concen: 217.457 ug/l
RT: 2.233 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 56 Resp: 77602

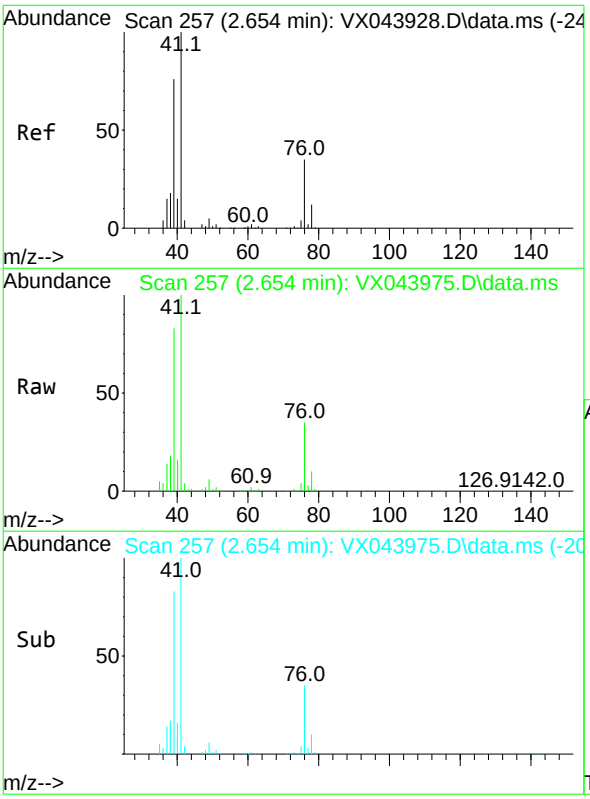
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

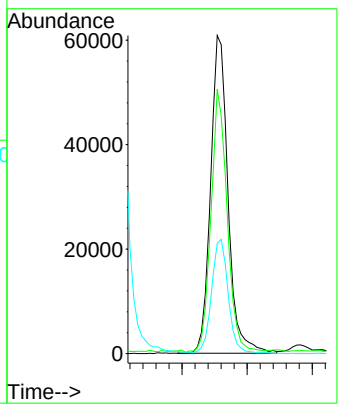
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

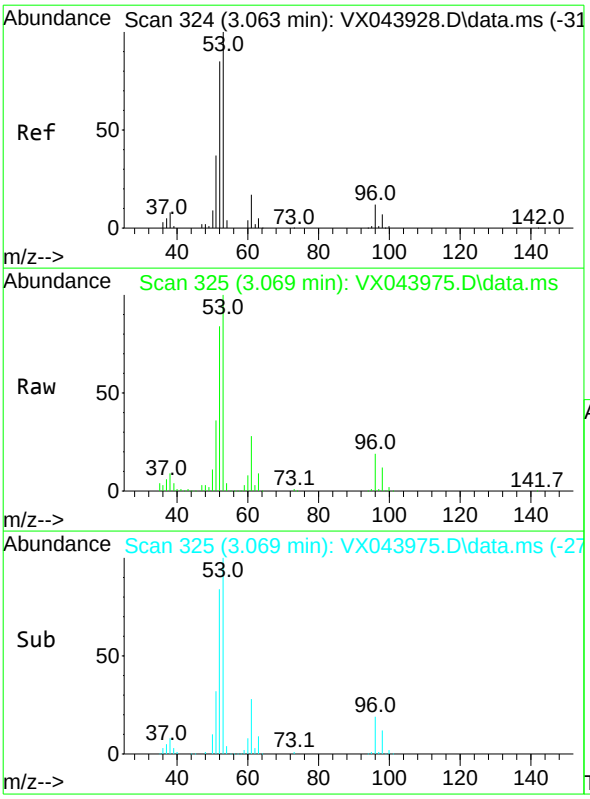



#14
Allyl chloride
Concen: 48.923 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.4 | 27.4 | 41.2 |

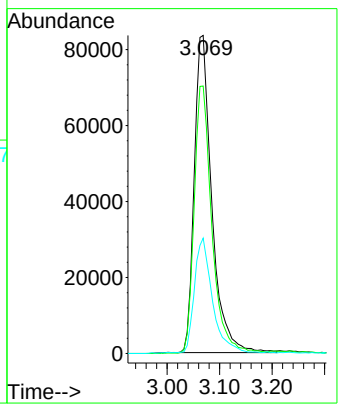





#15
Acrylonitrile
Concen: 235.443 ug/l
RT: 3.069 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 53 Resp: 194254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.2 | 66.5 | 99.7 |
| 51 | 36.6 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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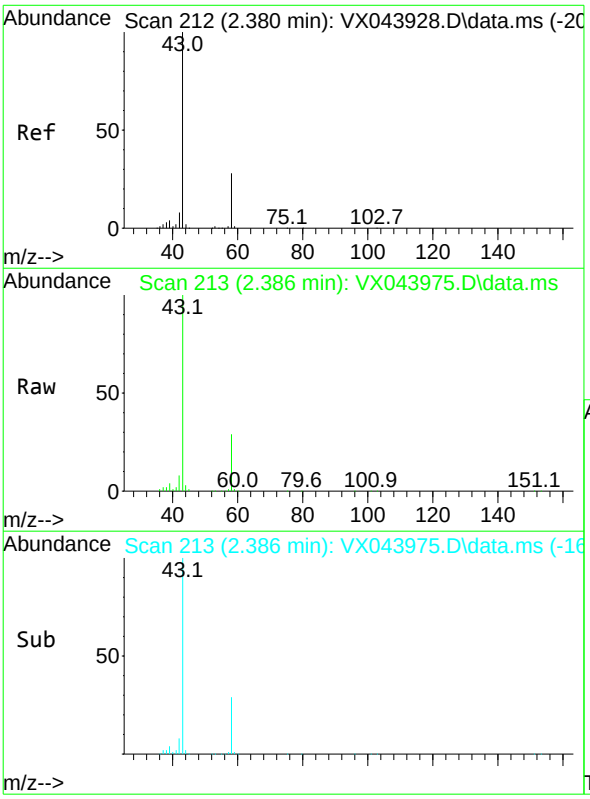
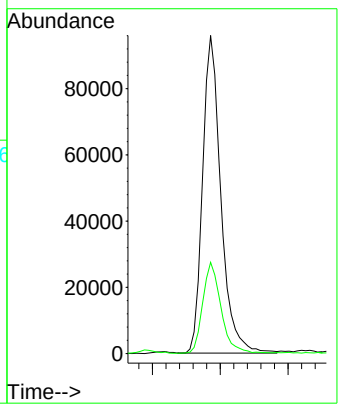
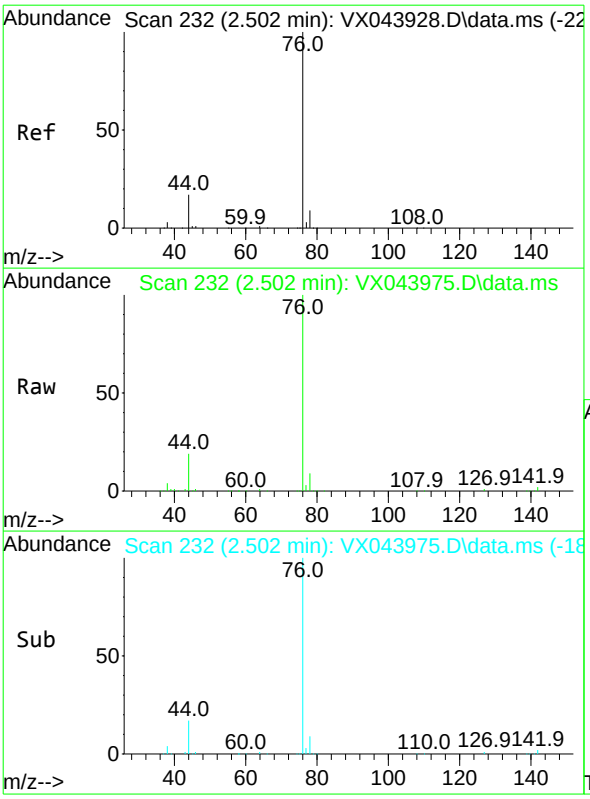



#16
Acetone
Concen: 185.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 43.508 ug/l
RT: 2.502 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 76 Resp: 127176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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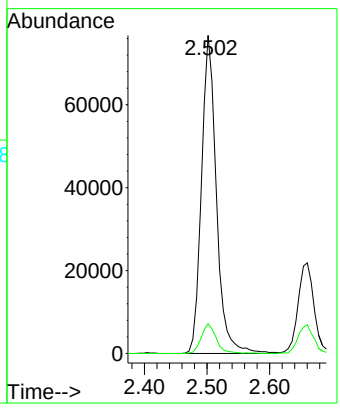
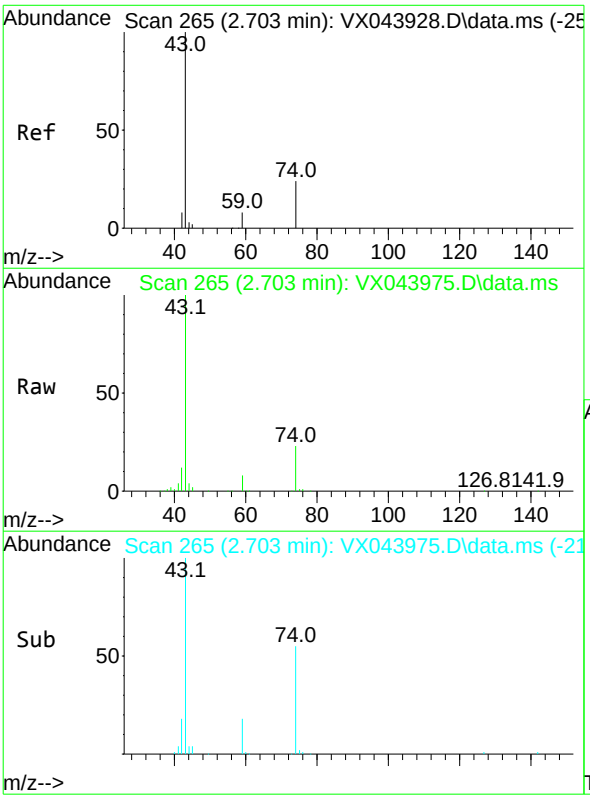
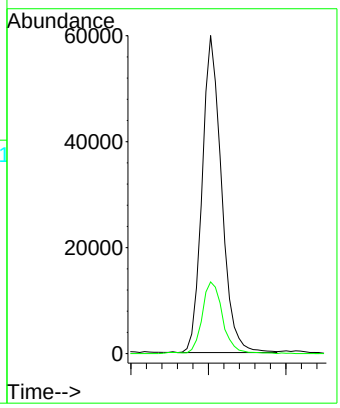


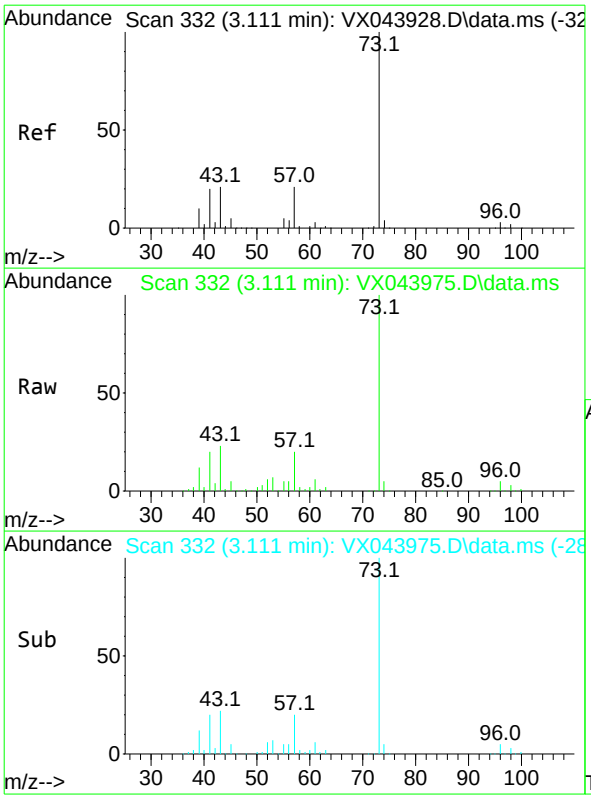




#18
Methyl Acetate
Concen: 46.099 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 18.9 | 28.3 |

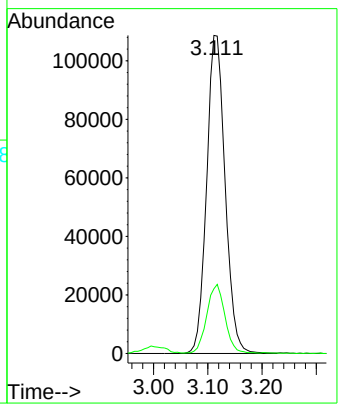





#19
Methyl tert-butyl Ether
Concen: 49.964 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 73 Resp: 257085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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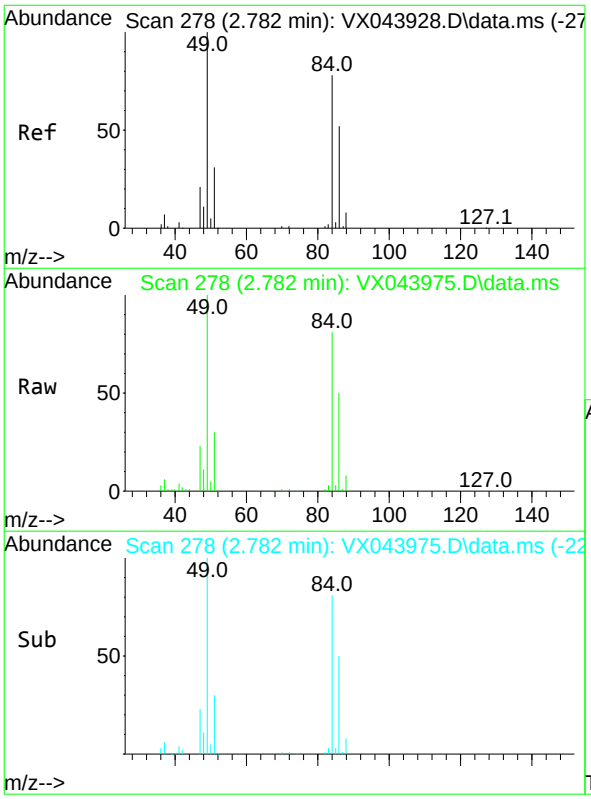
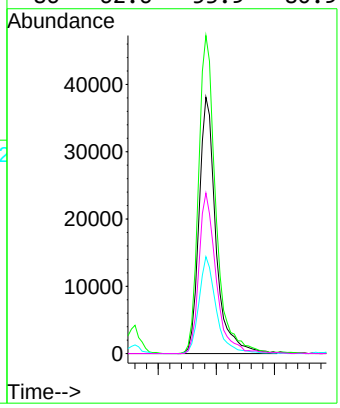
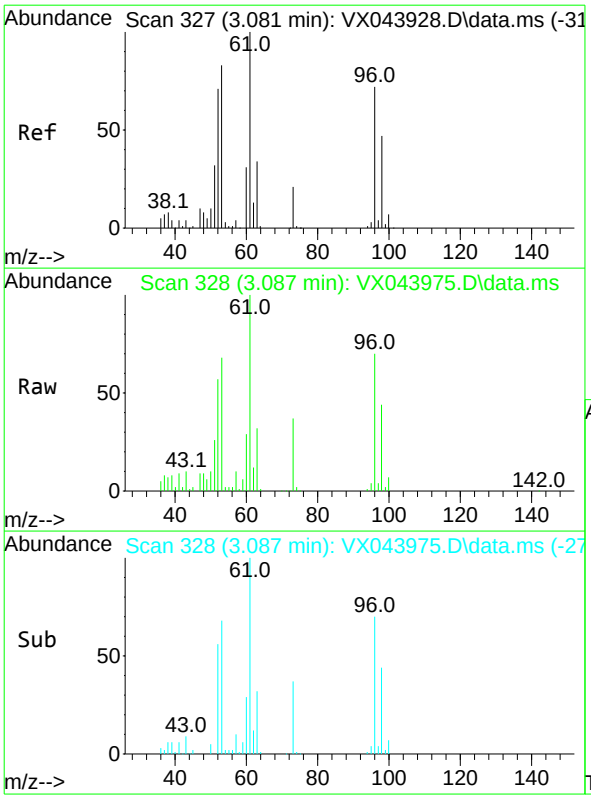



#20
Methylene Chloride
Concen: 46.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.0 | 102.7 | 154.1 |
| 51 | 37.8 | 31.7 | 47.5 |
| 86 | 62.6 | 53.9 | 80.9 |






#21
trans-1,2-Dichloroethene
Concen: 47.861 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 70023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.9 | 111.8 | 167.6 |
| 98 | 63.0 | 52.7 | 79.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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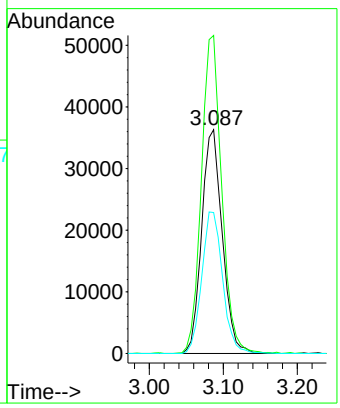
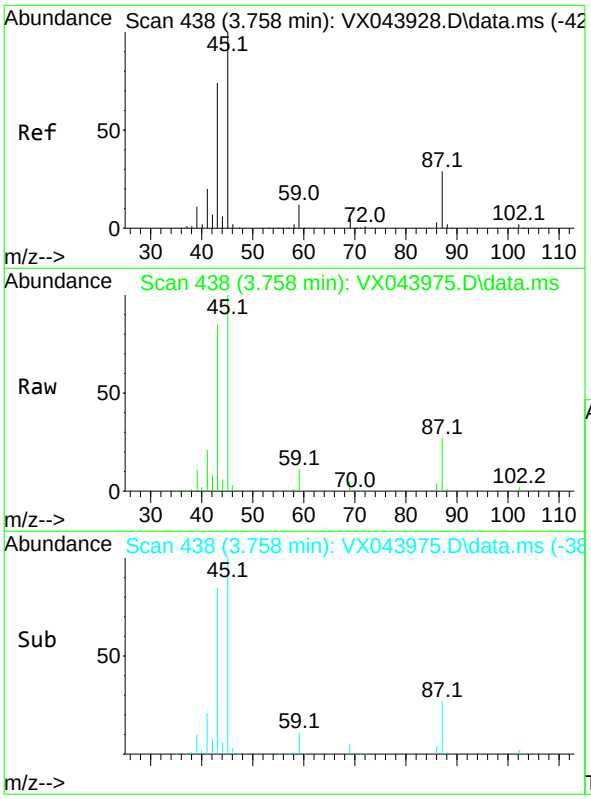
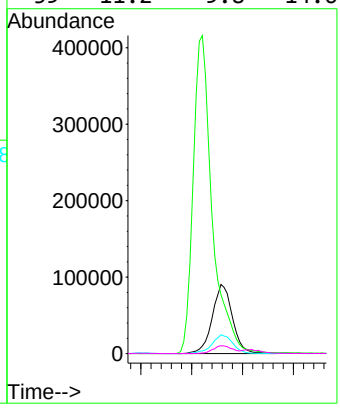


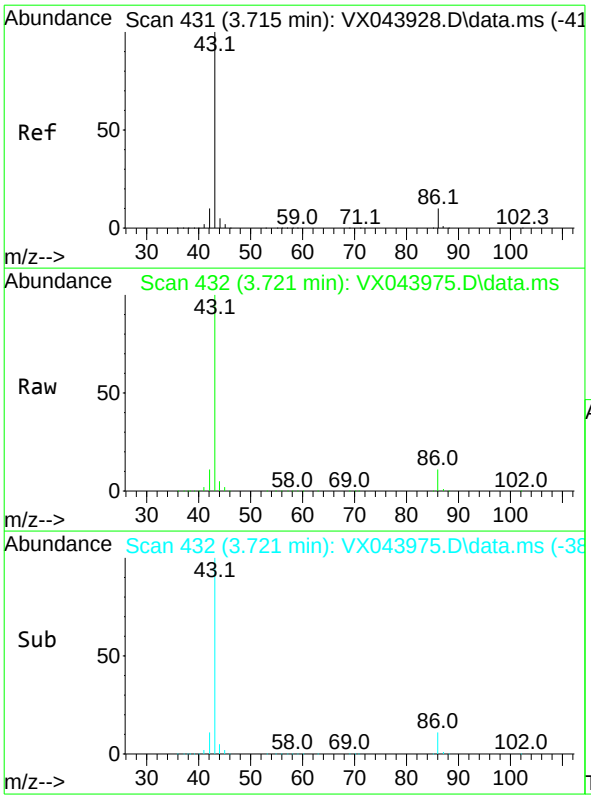




#22
Diisopropyl ether
Concen: 50.212 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 84.4 | 59.6 | 89.4 |
| 87 | 27.2 | 22.9 | 34.3 |
| 59 | 11.2 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 255.744 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1083211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 8.3 | 12.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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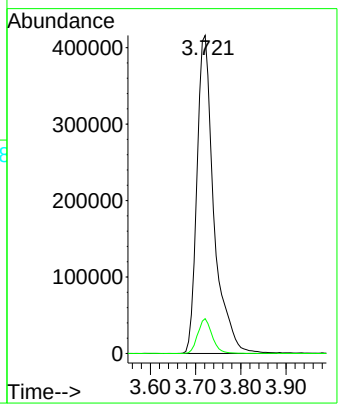
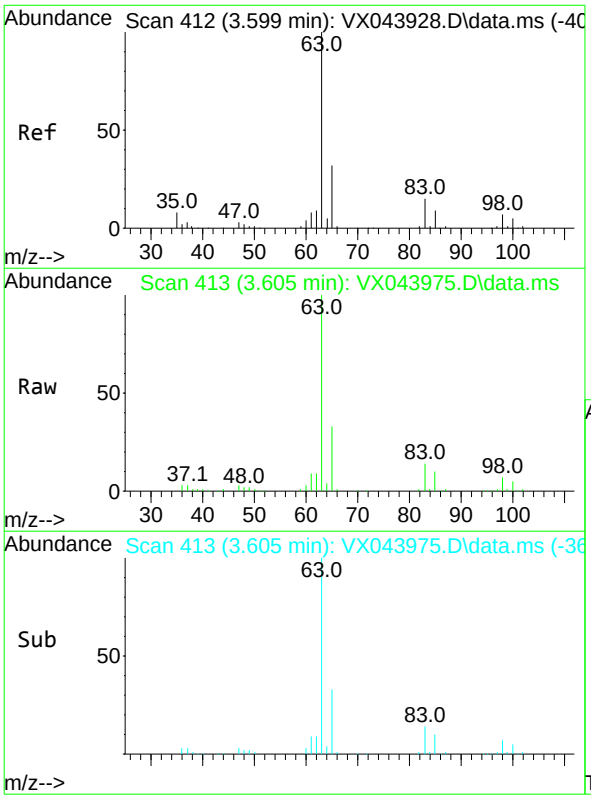
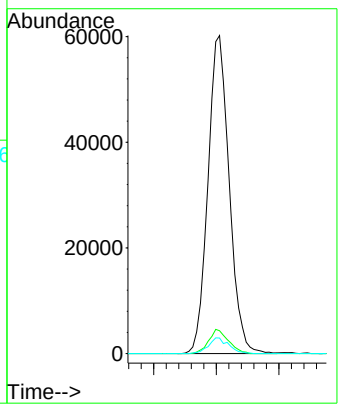


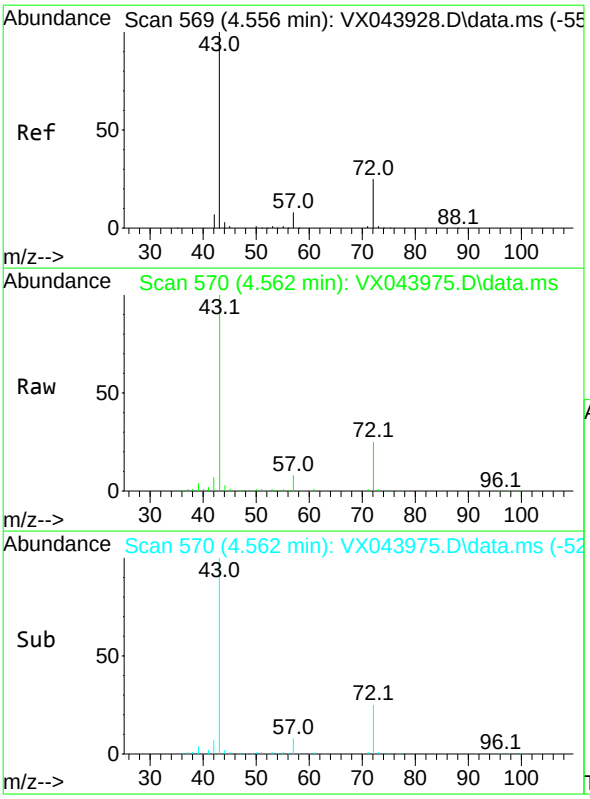




#24
1,1-Dichloroethane
Concen: 49.748 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 4.9 | 2.4 | 7.1 |

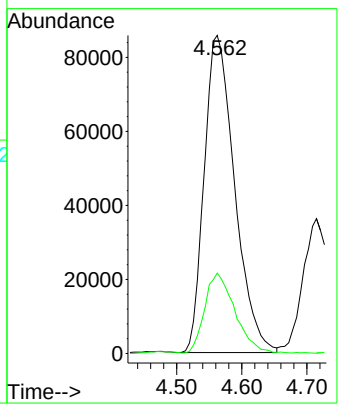





#25
2-Butanone
Concen: 222.822 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 278537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 20.2 | 30.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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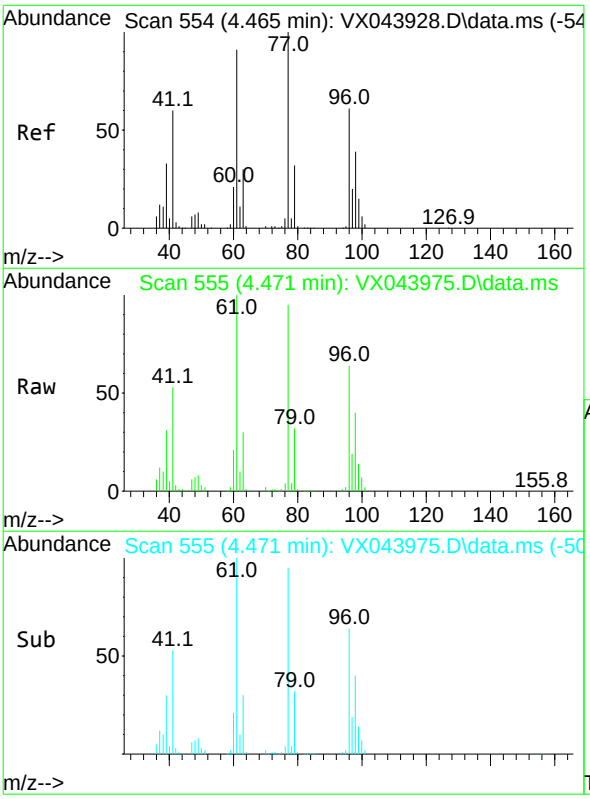
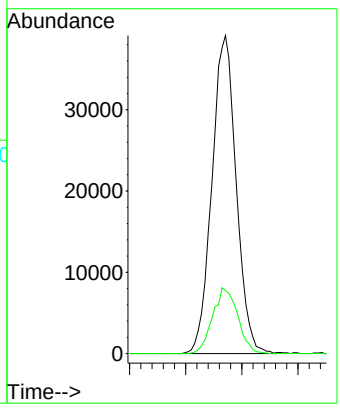
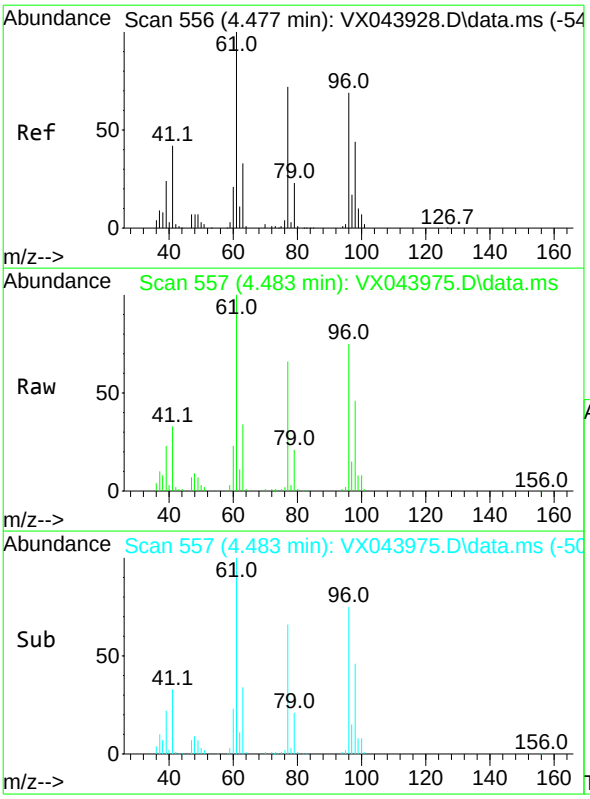



#26
2,2-Dichloropropane
Concen: 45.557 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.8 | 32.3 |






#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 89489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.3 | 0.0 | 297.4 |
| 98 | 63.1 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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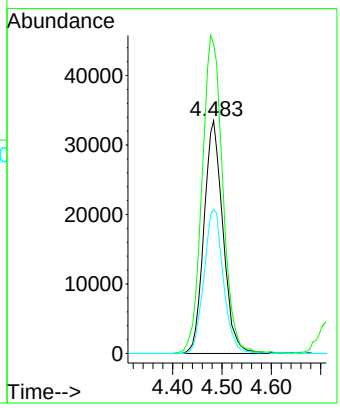
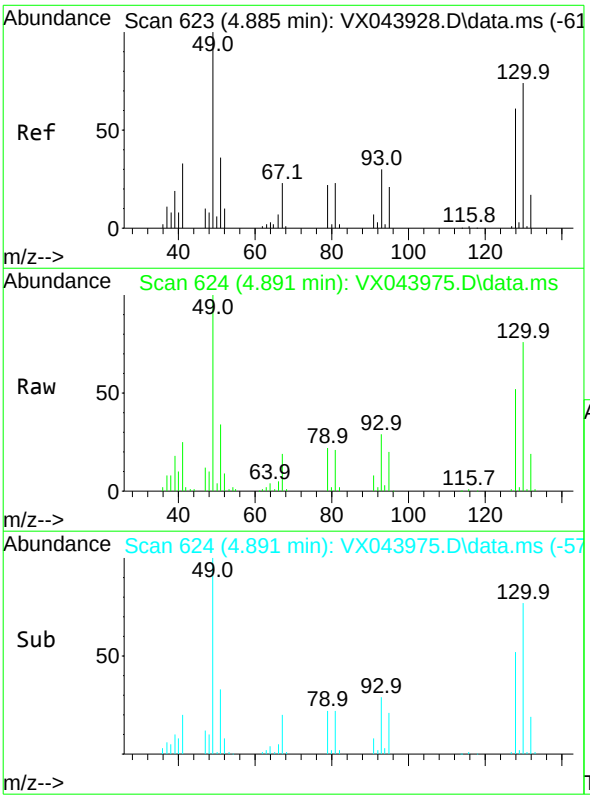
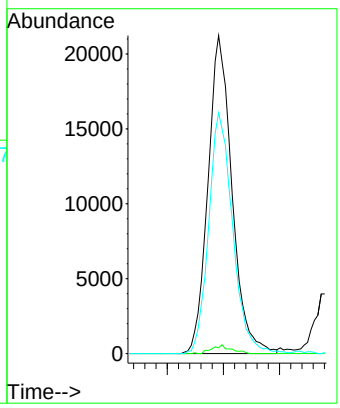


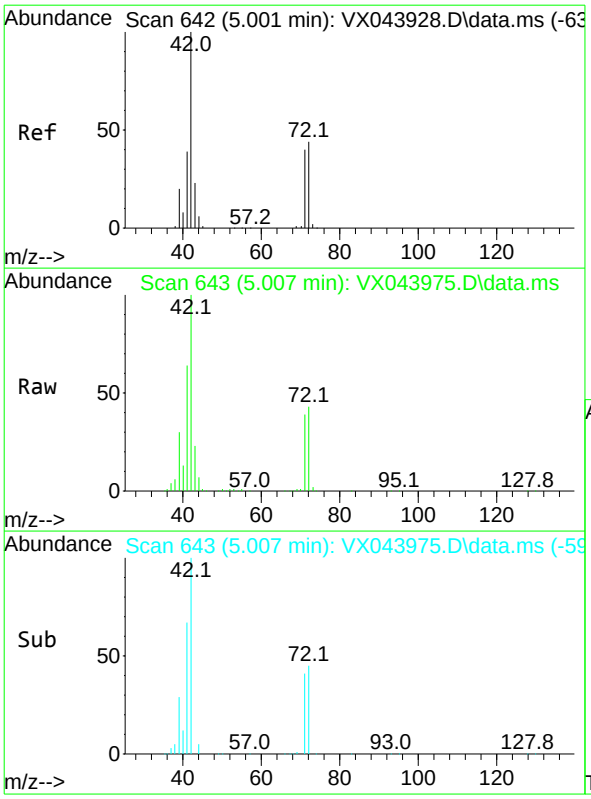




#28
Bromochloromethane
Concen: 50.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 75.6 | 59.0 | 88.6 |






#29
Tetrahydrofuran
Concen: 229.176 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 42 Resp: 175631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 36.4 | 54.6 |
| 71 | 42.0 | 33.4 | 50.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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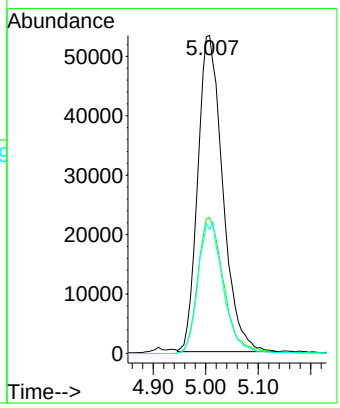
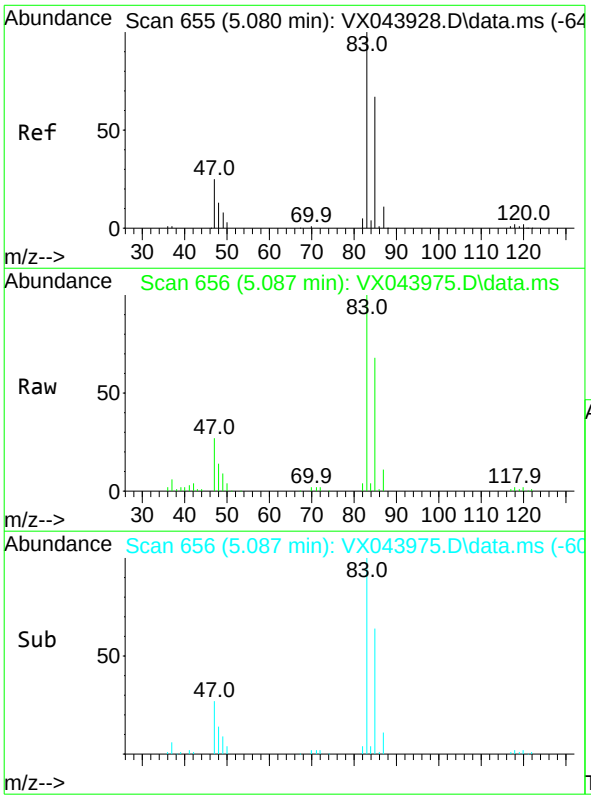
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

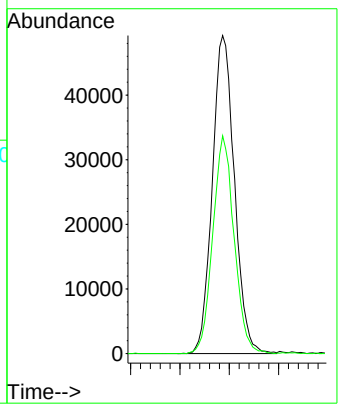


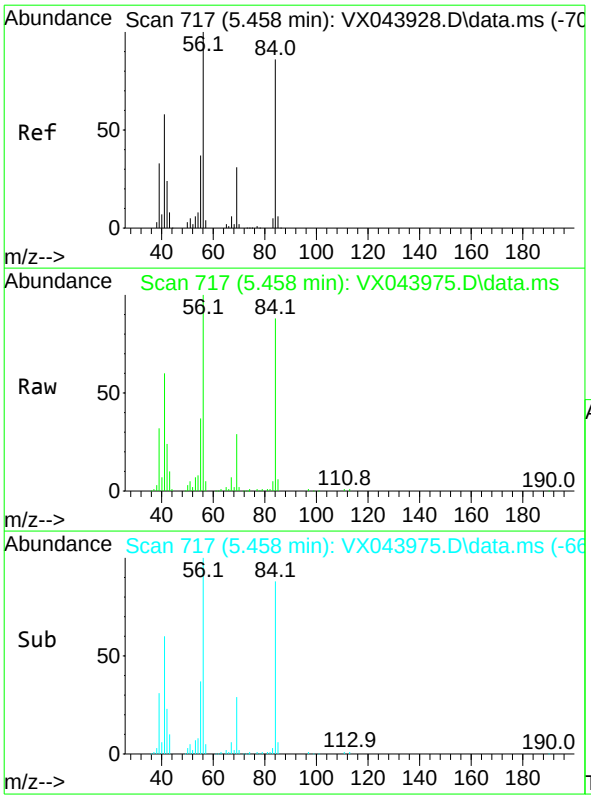




#30
Chloroform
Concen: 49.881 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 153240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.5 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

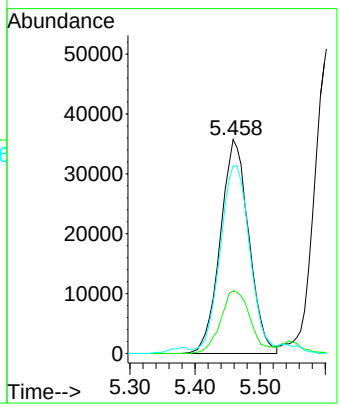
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

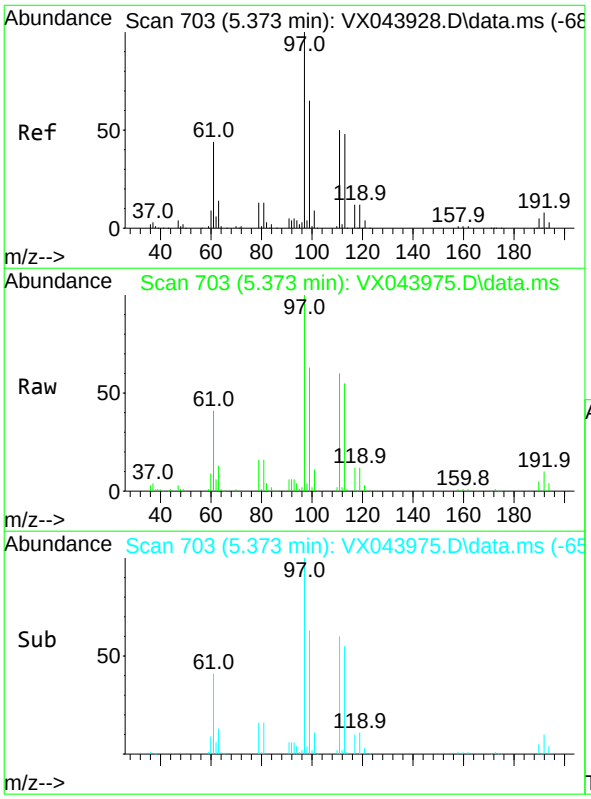
Tgt Ion: 56 Resp: 108654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 24.7 | 37.1 |
| 84 | 85.4 | 68.7 | 103.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

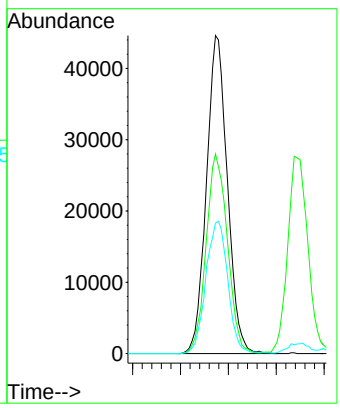


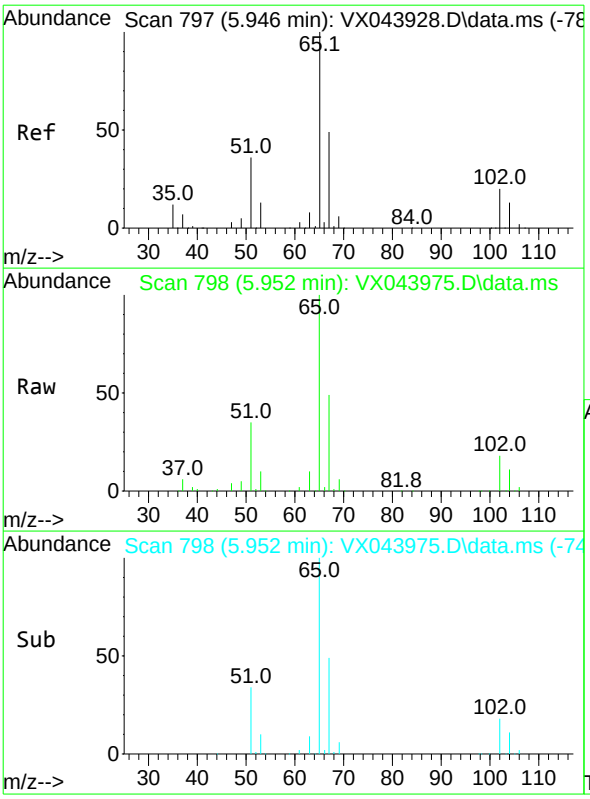




#32
1,1,1-Trichloroethane
Concen: 51.132 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 50.8 | 76.2 |
| 61 | 43.7 | 35.4 | 53.2 |

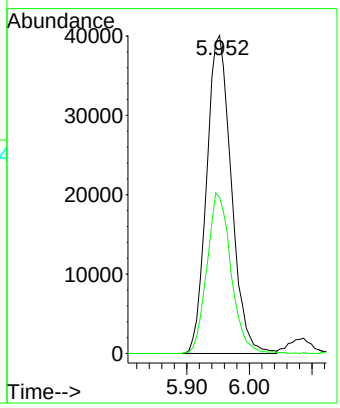





#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 65 Resp: 109385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.2 | 0.0 | 100.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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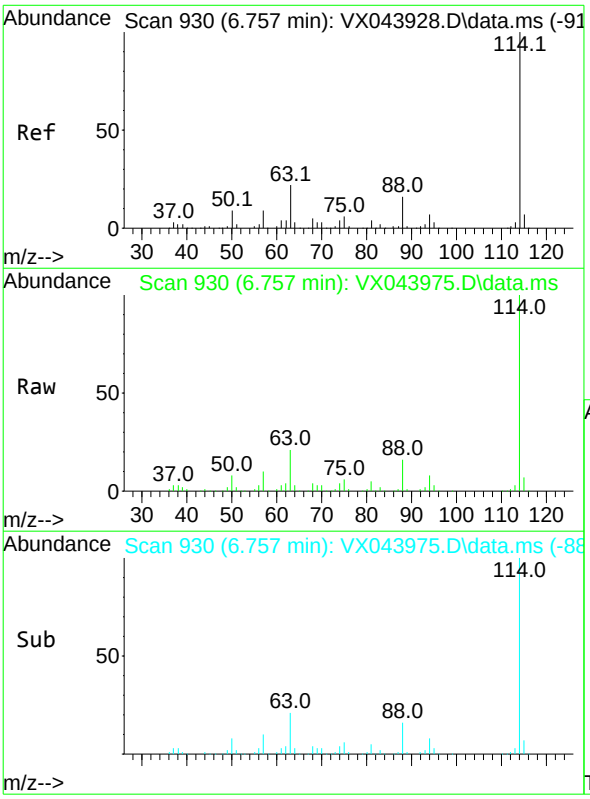
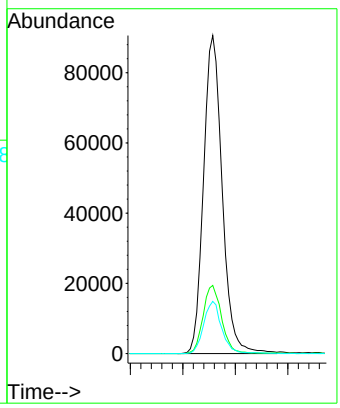
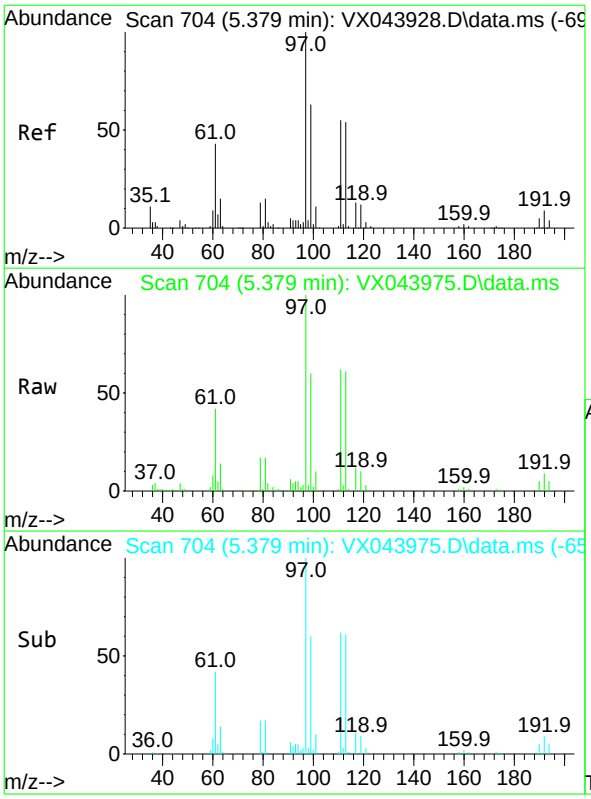



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:114 Resp: 223634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 32.4 |

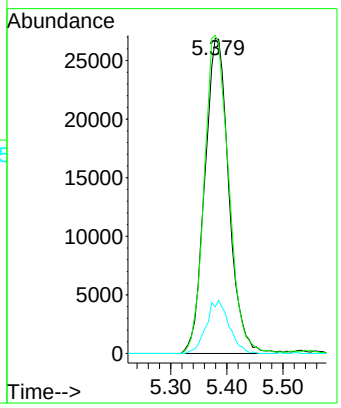





#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:113 Resp: 80080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 81.0 | 121.4 |
| 192 | 16.0 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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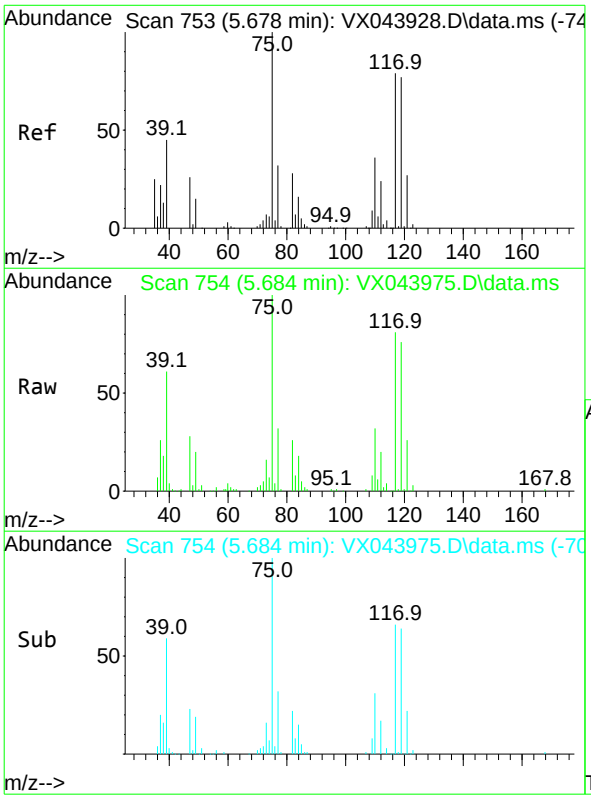
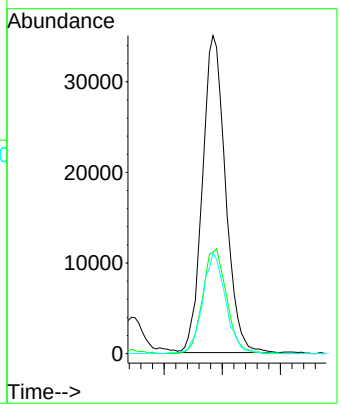
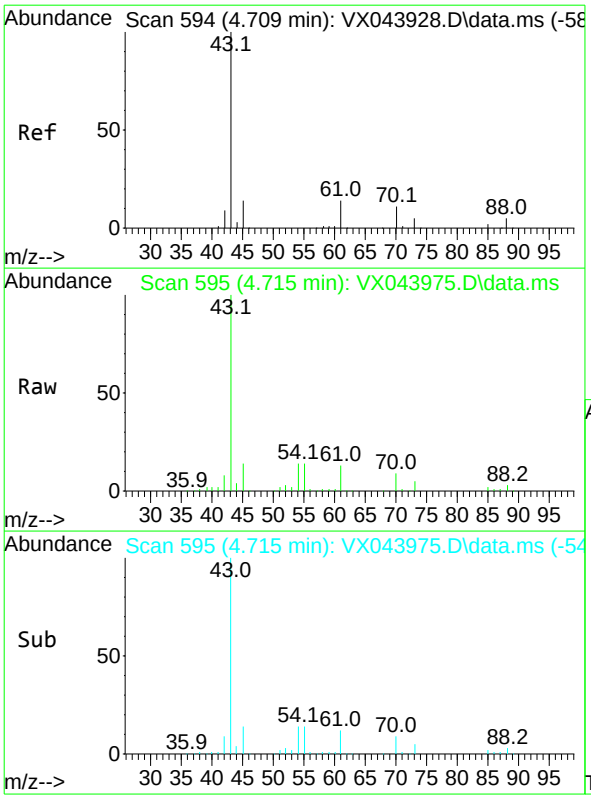



#36
1,1-Dichloropropene
Concen: 48.403 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.2 |
| 77 | 31.9 | 25.8 | 38.8 |






#37
Ethyl Acetate
Concen: 45.245 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 111838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.7 | 16.1 |
| 70 | 9.5 | 8.0 | 12.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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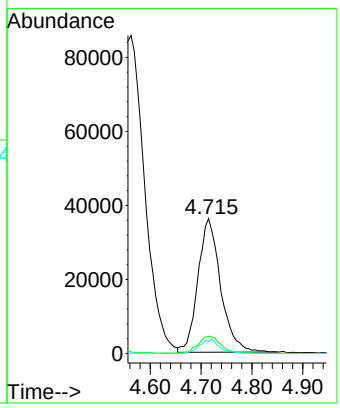
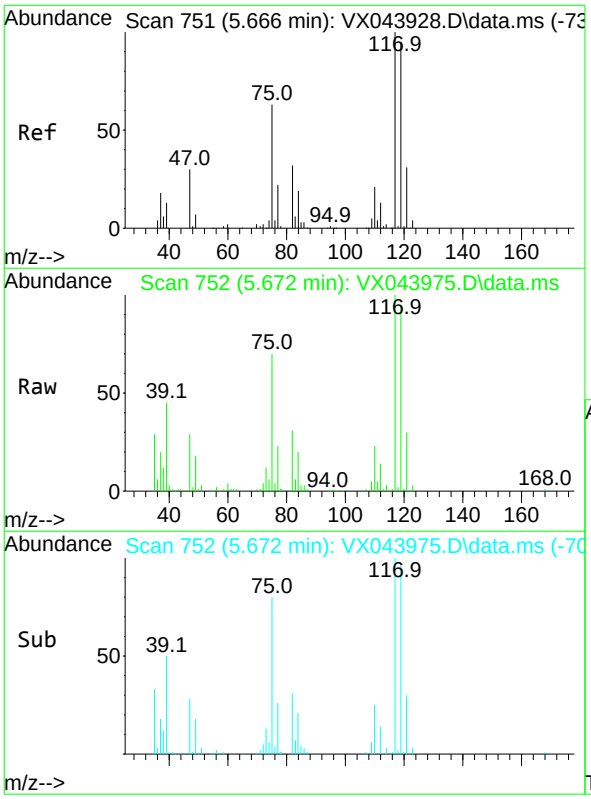
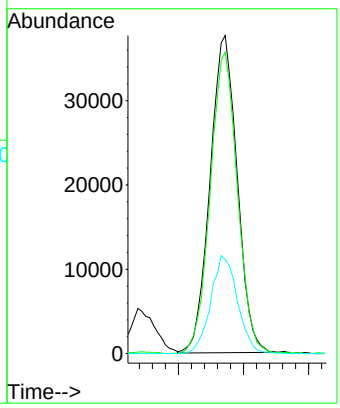


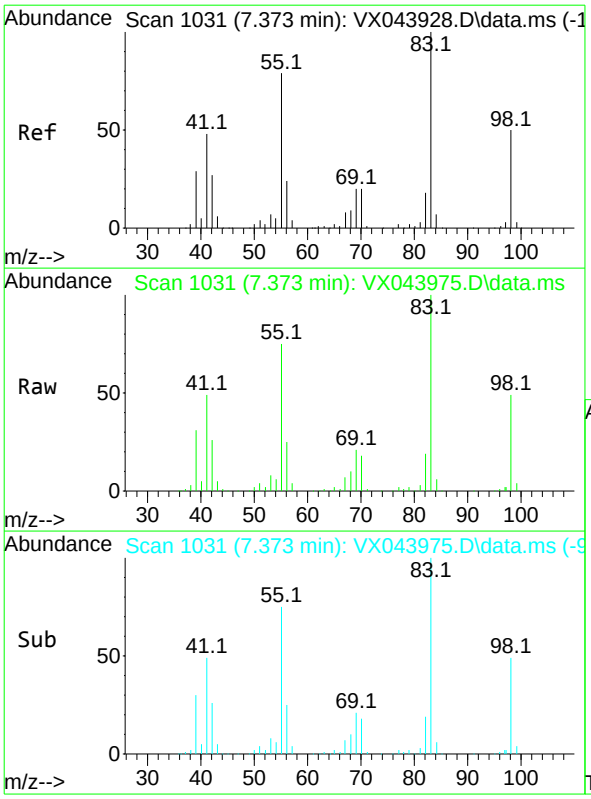




#38
Carbon Tetrachloride
Concen: 48.766 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 109113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 75.2 | 112.8 |
| 121 | 29.7 | 24.5 | 36.7 |






#39
Methylcyclohexane
Concen: 44.283 ug/l
RT: 7.373 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 114556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.9 | 63.1 | 94.7 |
| 98 | 48.8 | 40.0 | 60.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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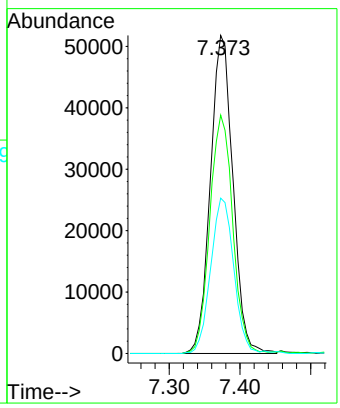
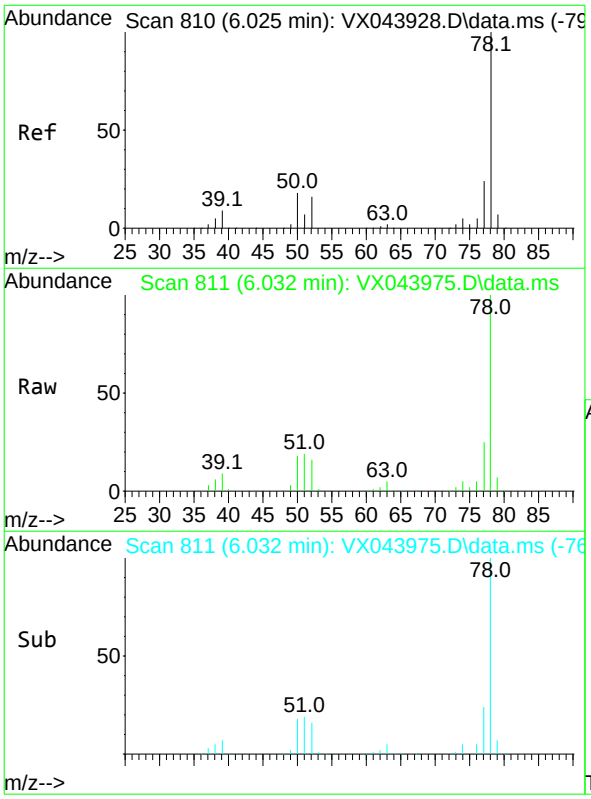
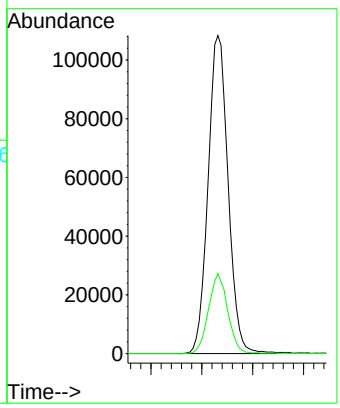


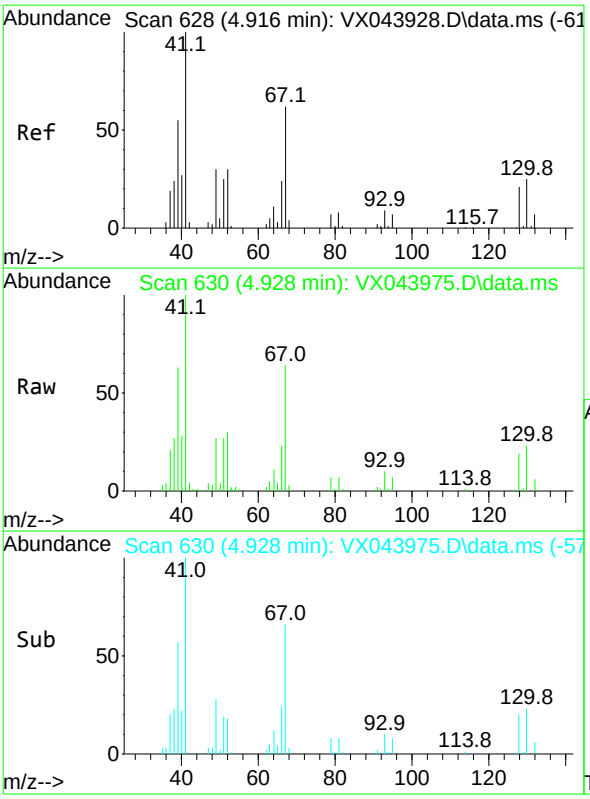




#40
Benzene
Concen: 47.732 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 19.2 | 28.8 |

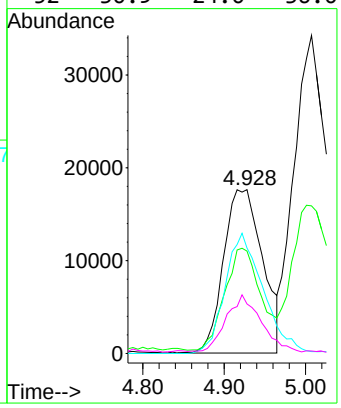





#41
Methacrylonitrile
Concen: 46.538 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 58876

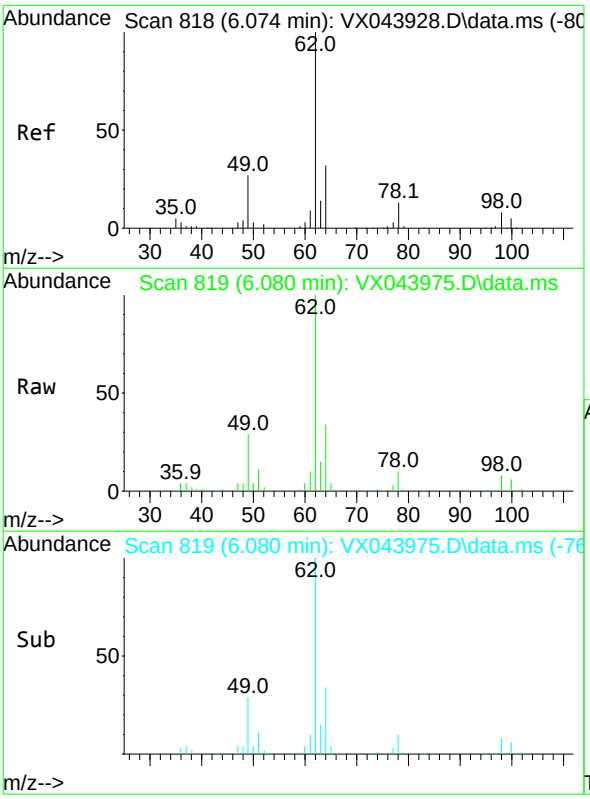
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.9 | 41.7 | 62.5 |
| 67 | 72.3 | 55.8 | 83.8 |
| 52 | 30.9 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

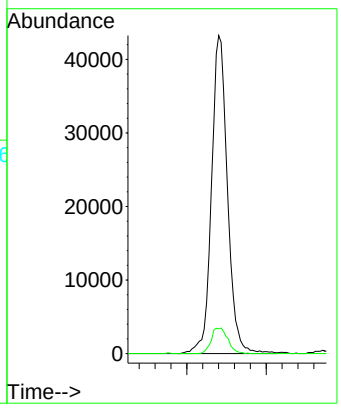
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

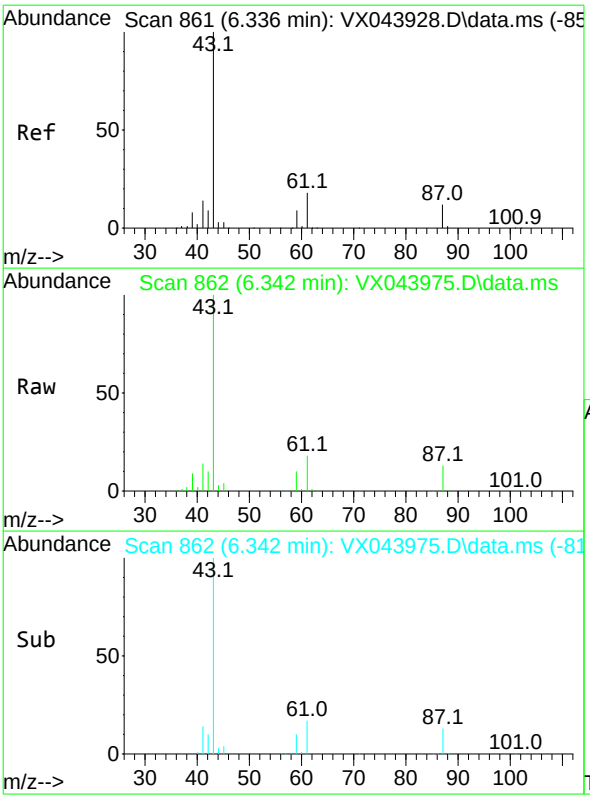



#42
1,2-Dichloroethane
Concen: 48.527 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.3 | 0.0 | 16.4 |

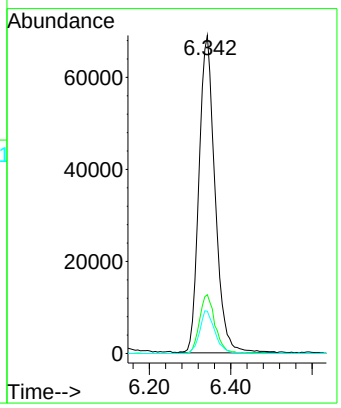





#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 188827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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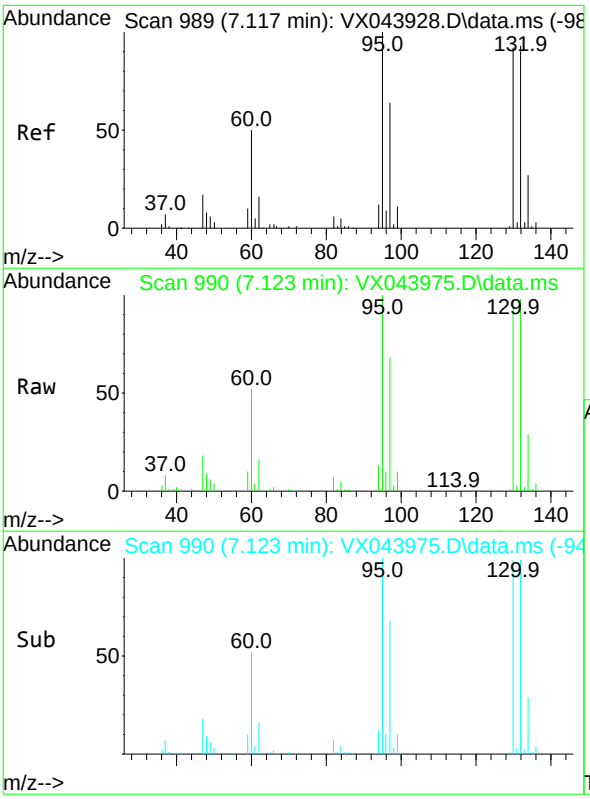
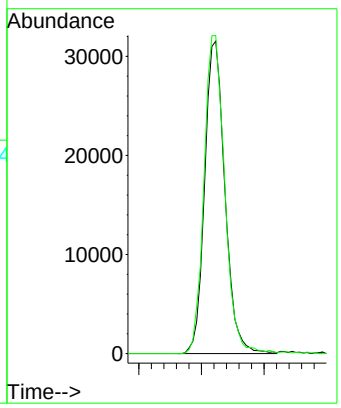
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

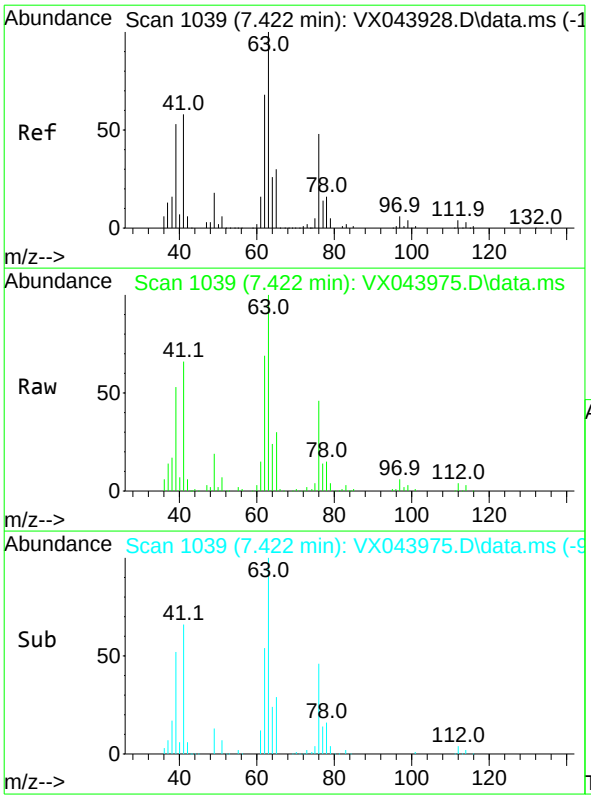



#44
Trichloroethene
Concen: 40.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:130 Resp: 70858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.8 | 0.0 | 217.8 |

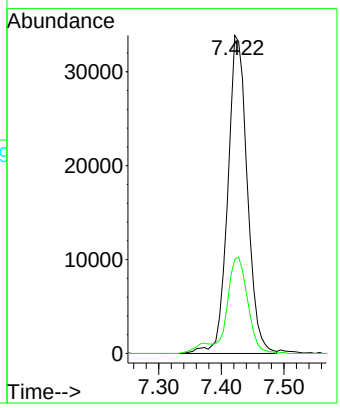





#45
1,2-Dichloropropane
Concen: 48.373 ug/l
RT: 7.422 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 73488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.6 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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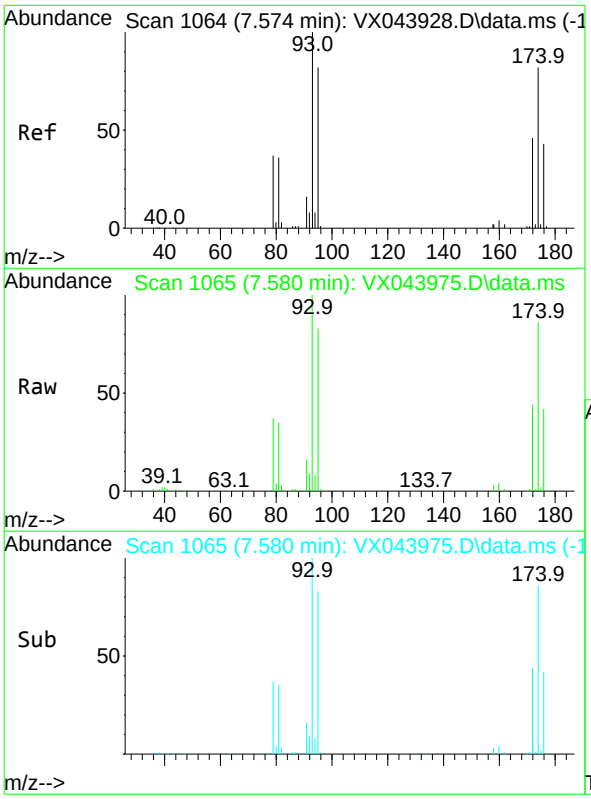
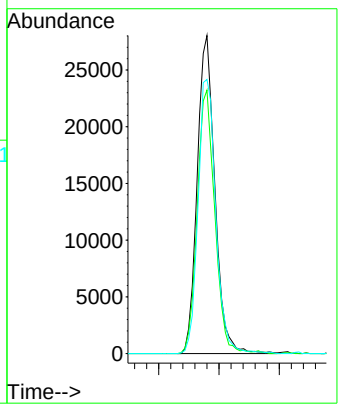
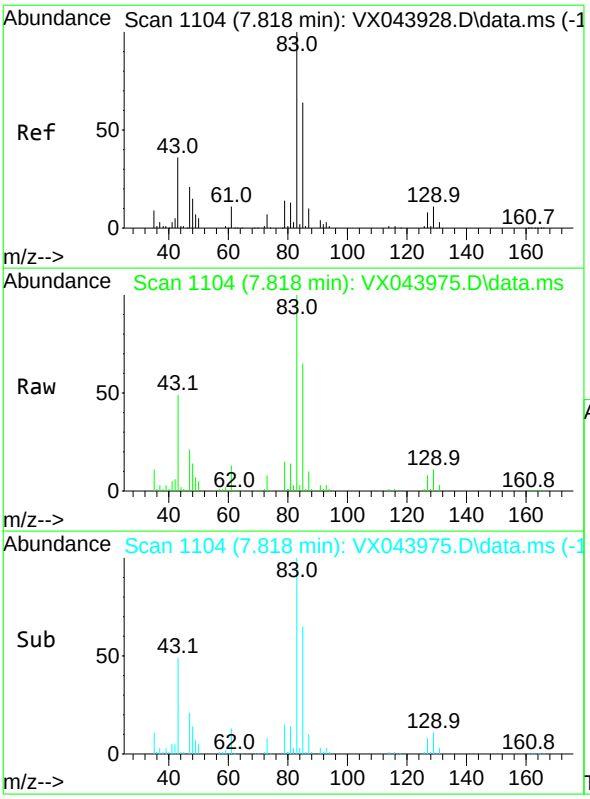



#46
Dibromomethane
Concen: 47.608 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.2 | 99.4 |
| 174 | 86.7 | 69.6 | 104.4 |

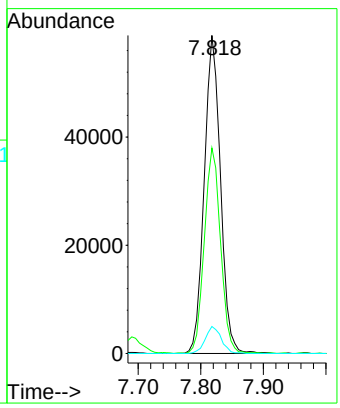





#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 106111

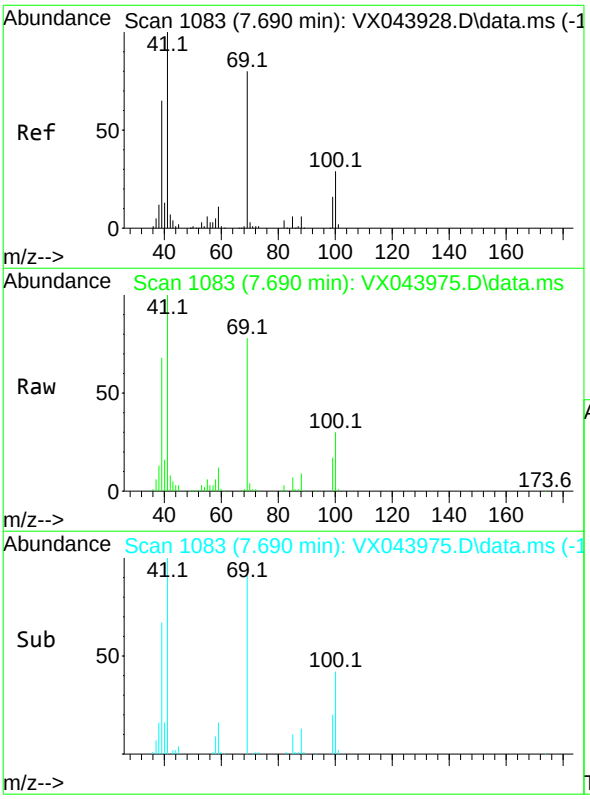
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 51.4 | 77.0 |
| 127 | 8.5 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

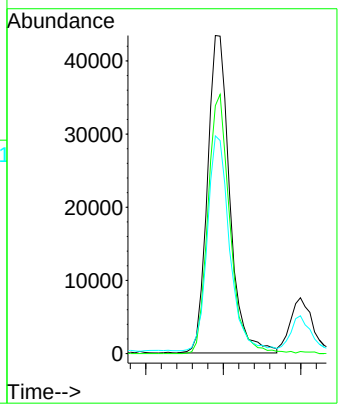
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

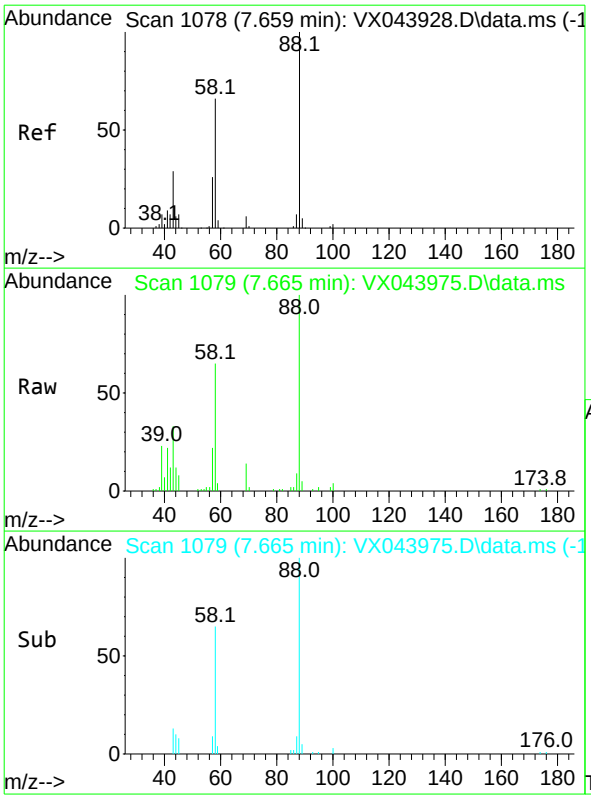



#48
Methyl methacrylate
Concen: 45.987 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.4 | 64.6 | 97.0 |
| 39 | 67.2 | 53.3 | 79.9 |

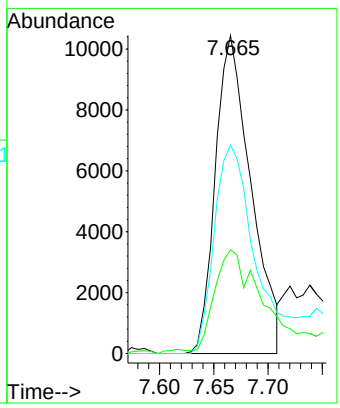





#49
1,4-Dioxane
Concen: 708.970 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 88 Resp: 23838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.2 | 26.8 | 40.2# |
| 58 | 76.3 | 45.4 | 68.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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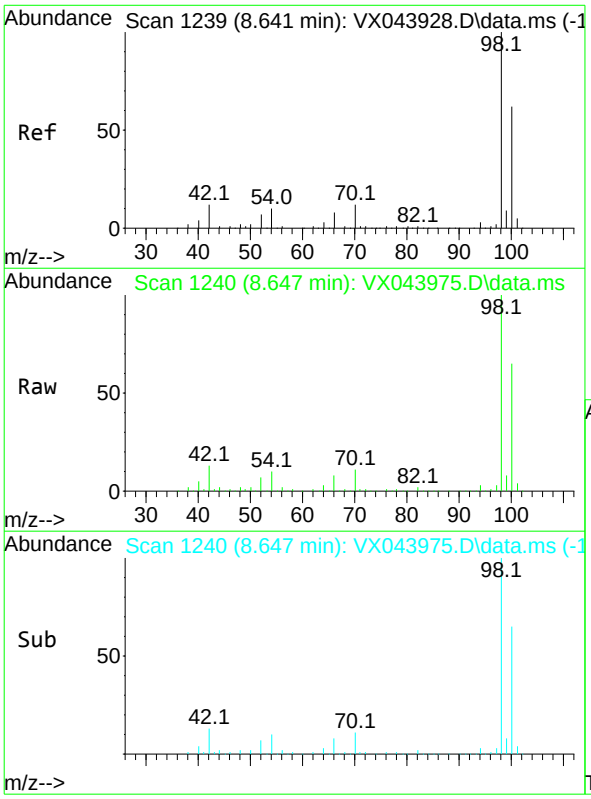
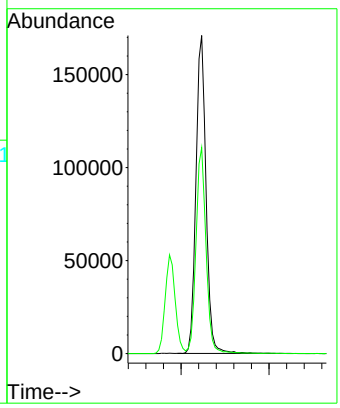
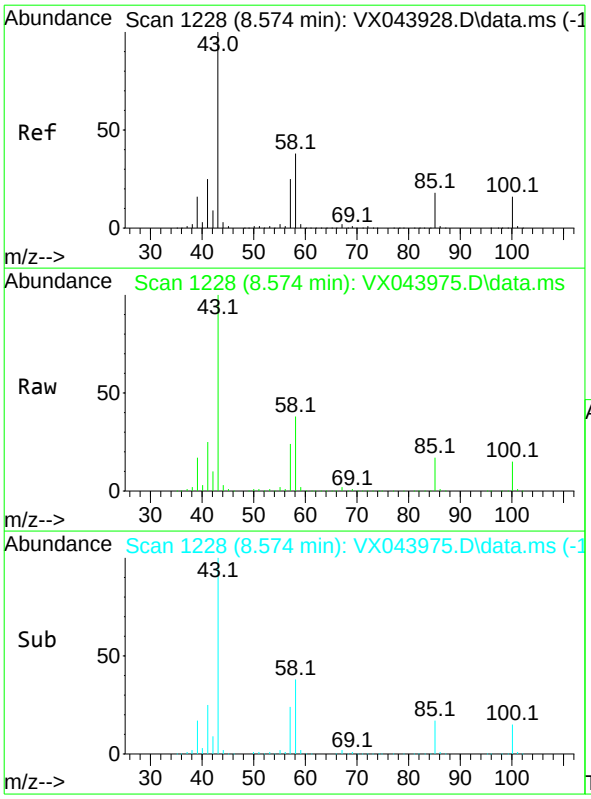



#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.6 | 79.0 |

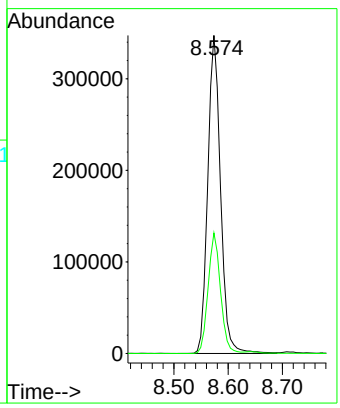





#51
4-Methyl-2-Pentanone
Concen: 237.028 ug/l
RT: 8.574 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 569005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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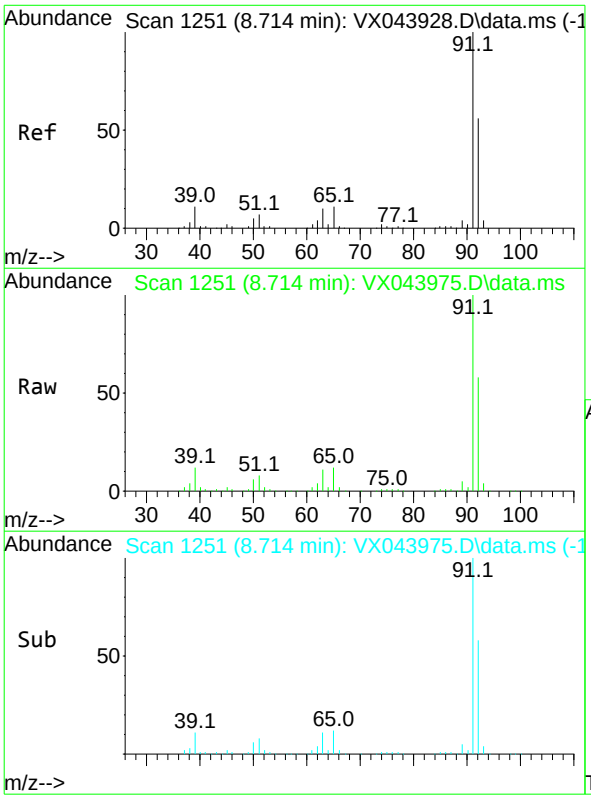
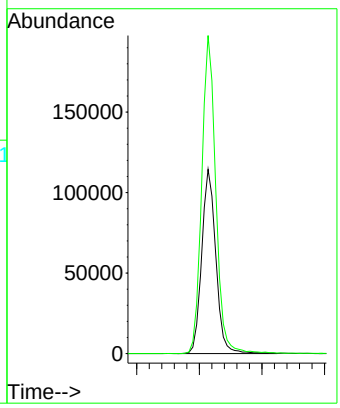
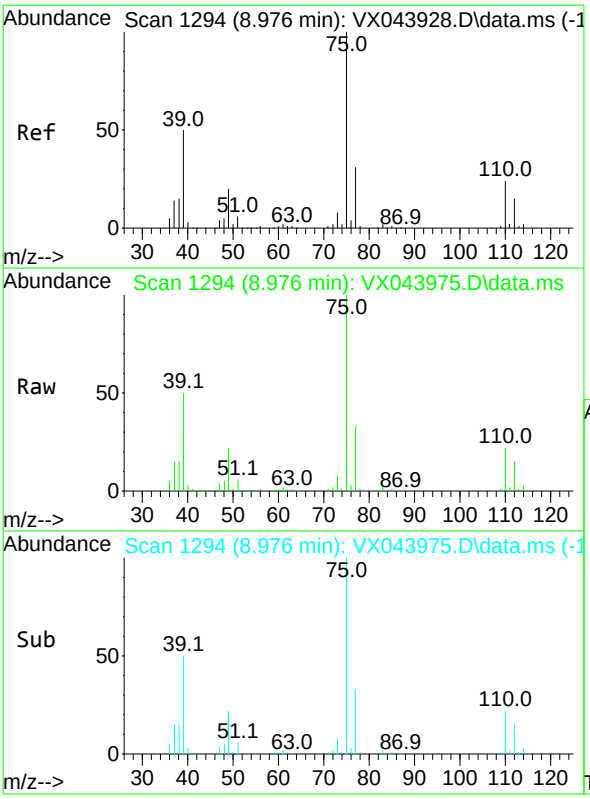



#52
Toluene
Concen: 48.314 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 139.7 | 209.5 |

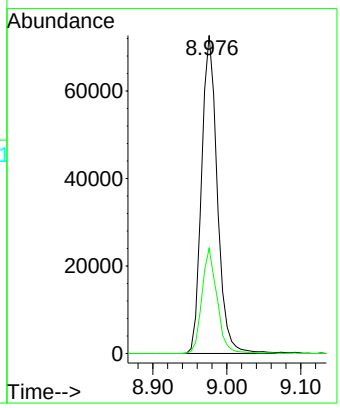





#53
t-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 107403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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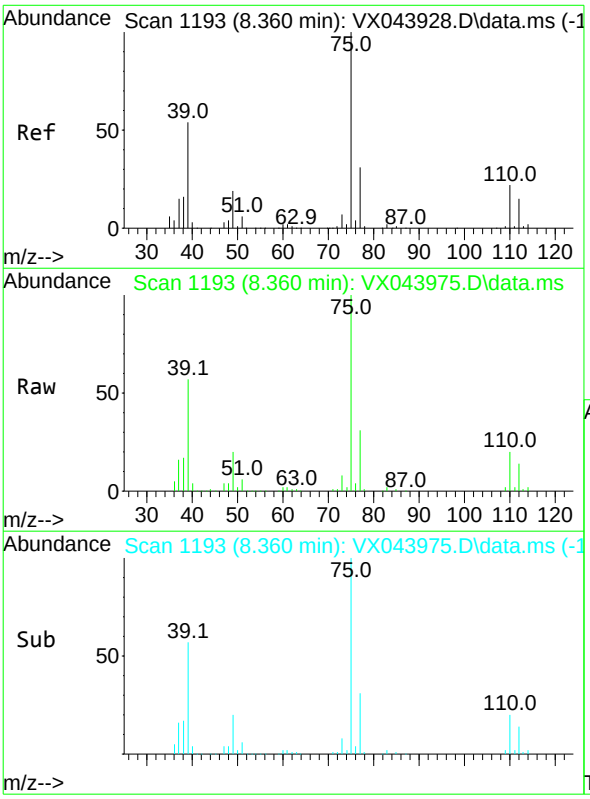
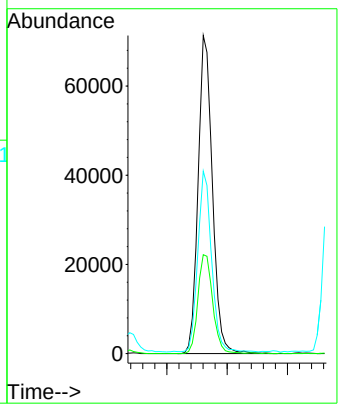
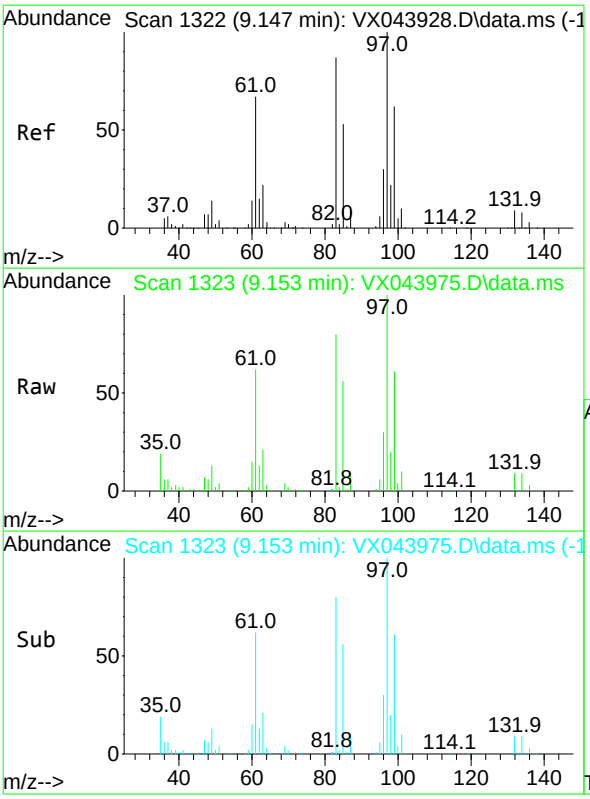



#54
cis-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.2 | 37.8 |
| 39 | 56.8 | 43.1 | 64.7 |

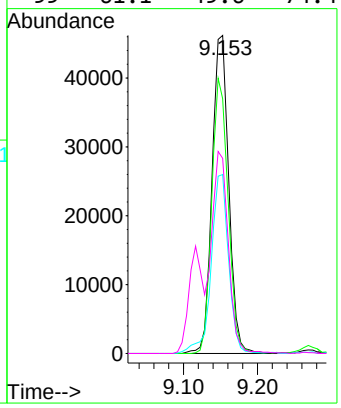





#55
1,1,2-Trichloroethane
Concen: 47.244 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 72401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.1 | 69.4 | 104.0 |
| 85 | 56.1 | 42.3 | 63.5 |
| 99 | 61.1 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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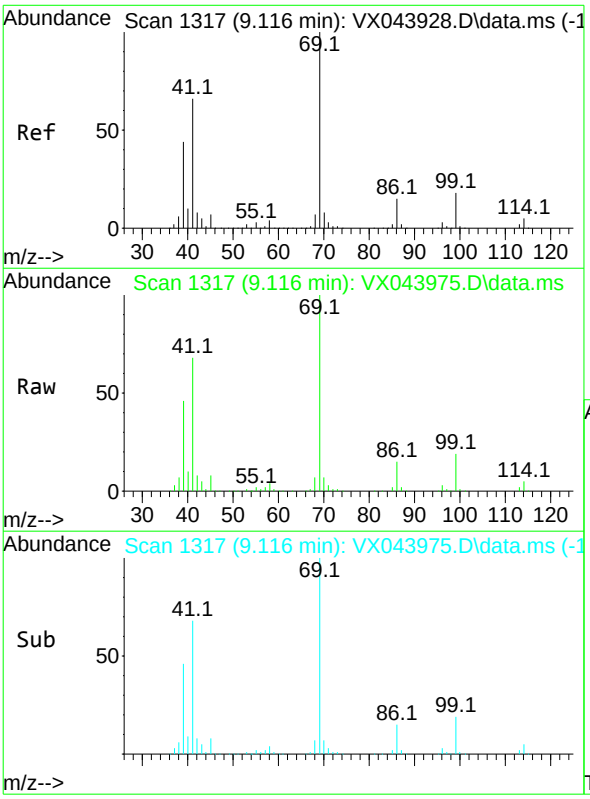
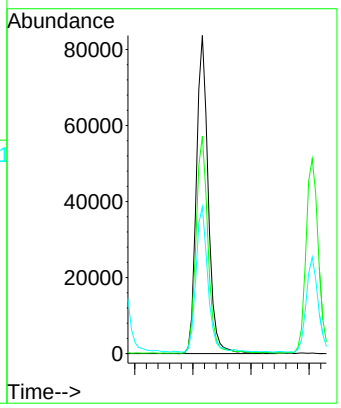
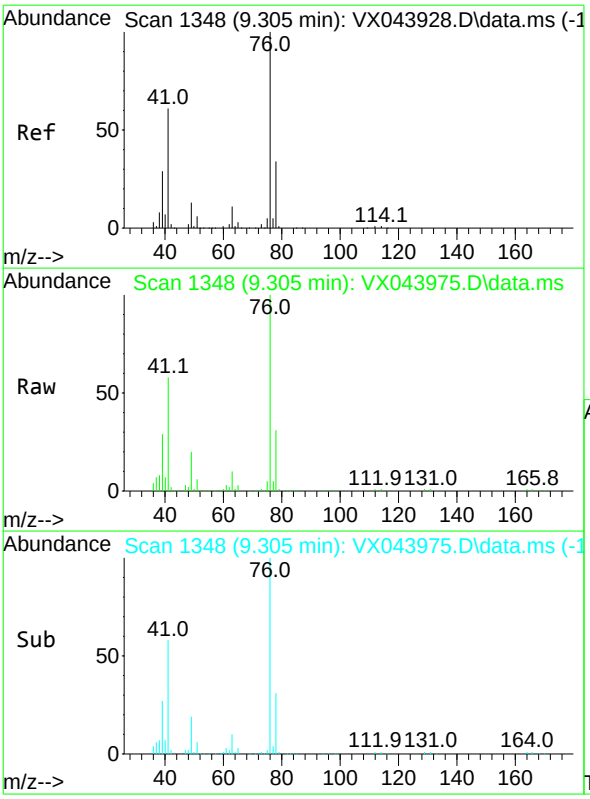



#56
Ethyl methacrylate
Concen: 49.720 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 69 Resp: 118682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 55.8 | 83.8 |
| 39 | 45.4 | 36.7 | 55.1 |

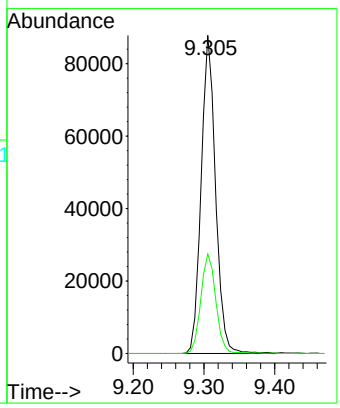





#57
1,3-Dichloropropane
Concen: 48.020 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 76 Resp: 123967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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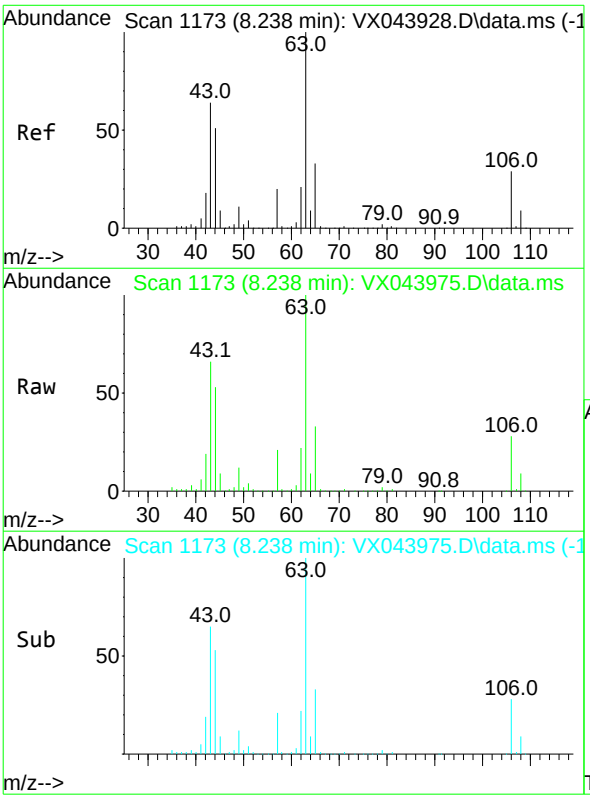
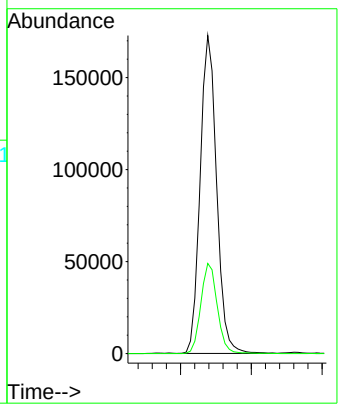
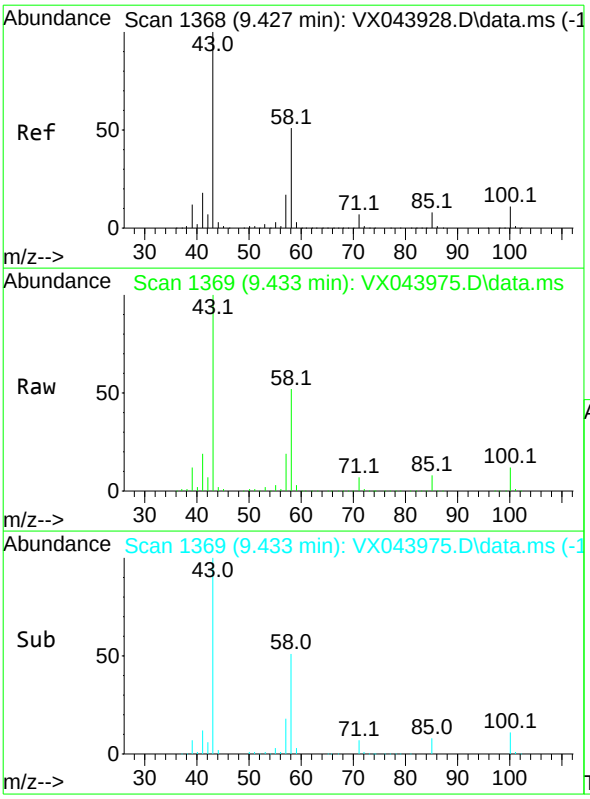



#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 23.0 | 34.6 |






#59
2-Hexanone
Concen: 233.298 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 420948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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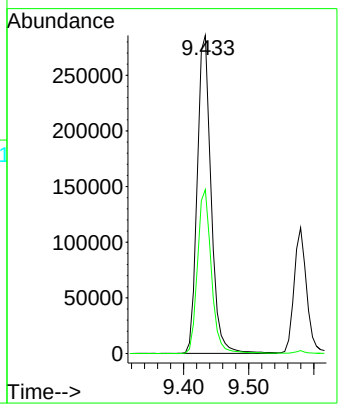
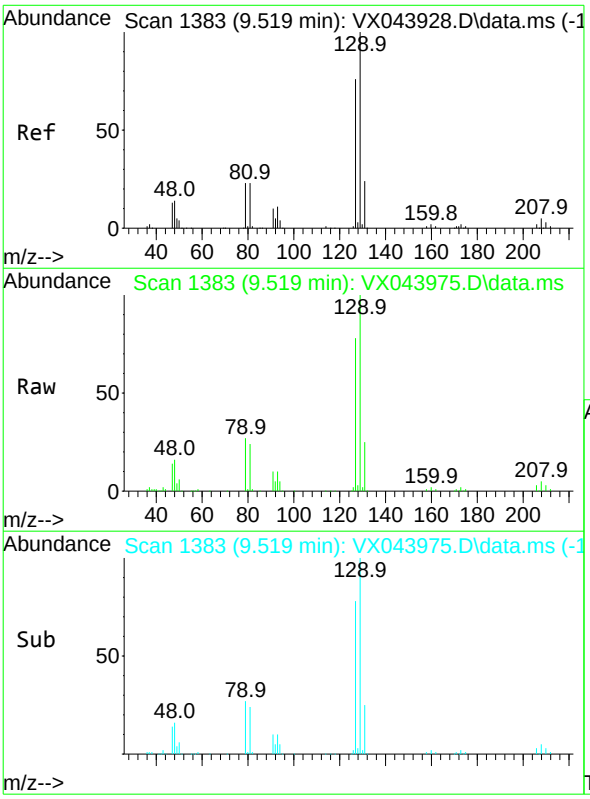
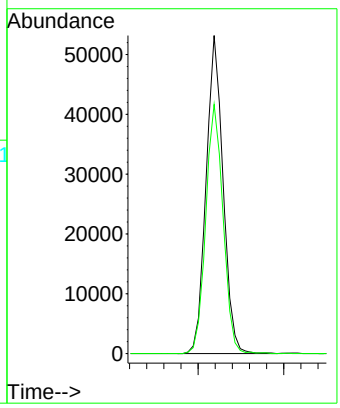


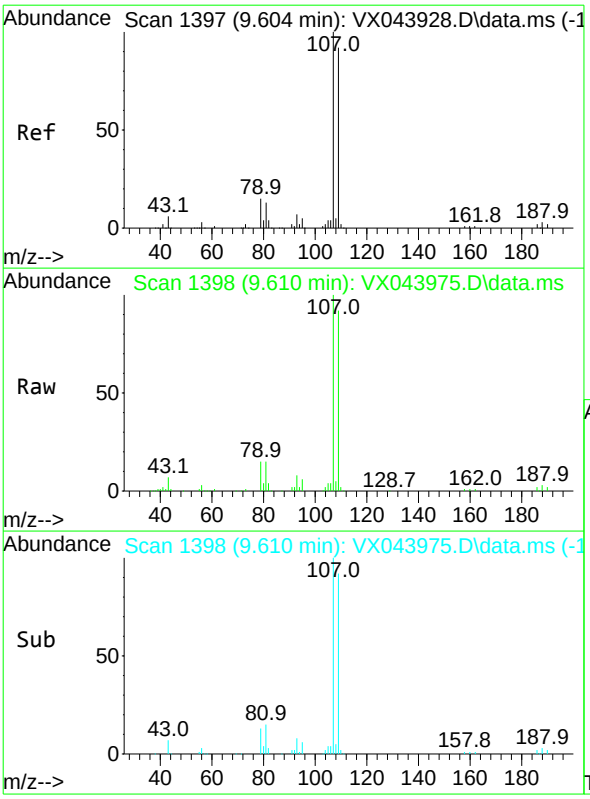




#60
Dibromochloromethane
Concen: 47.547 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:129 Resp: 73109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.9 | 38.2 | 114.6 |

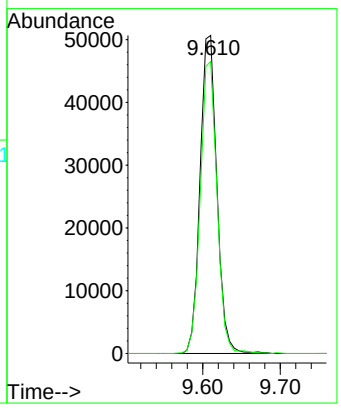





#61
1,2-Dibromoethane
Concen: 49.118 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:107 Resp: 76113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.6 | 75.2 | 112.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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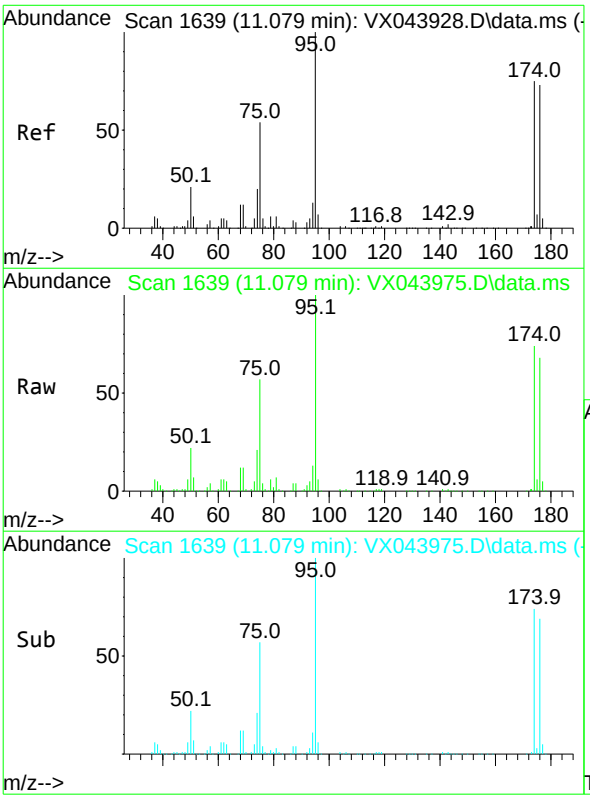
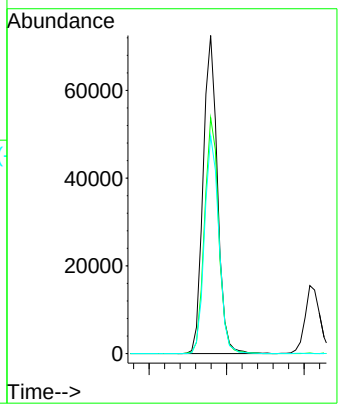
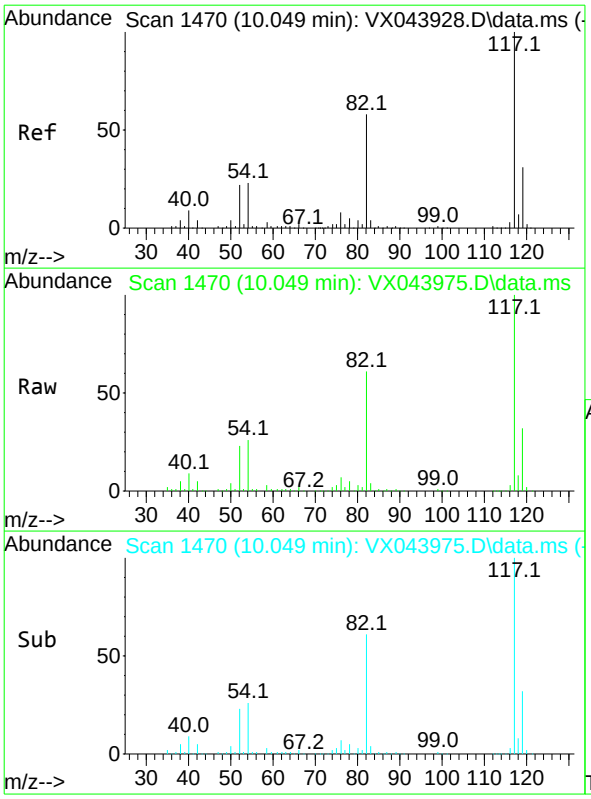



#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.4 | 0.0 | 150.4 |
| 176 | 68.4 | 0.0 | 146.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 188299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 46.4 | 69.6 |
| 119 | 32.5 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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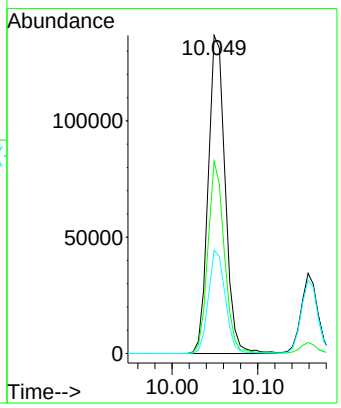
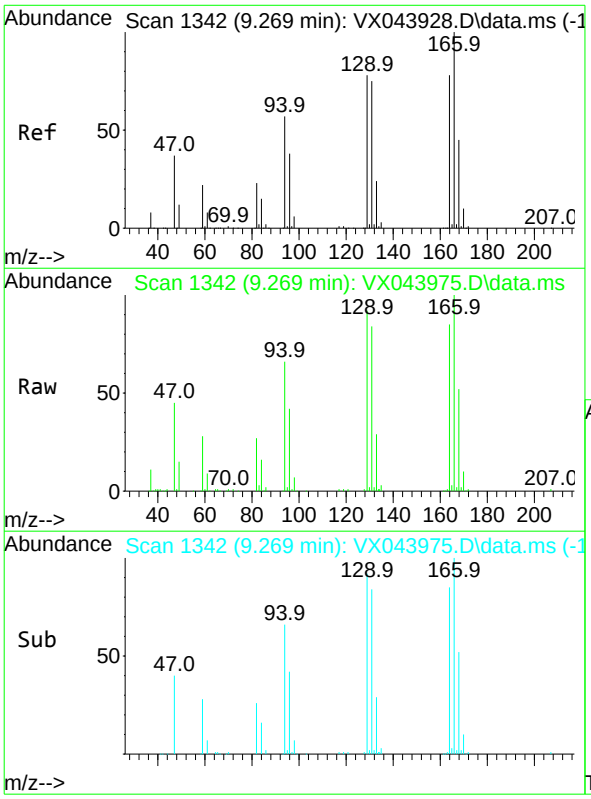
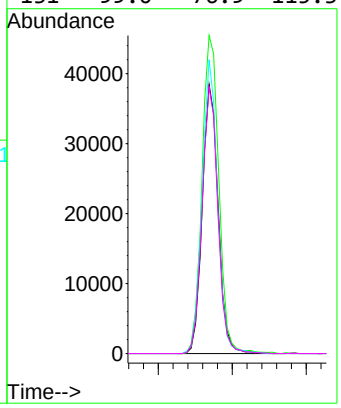


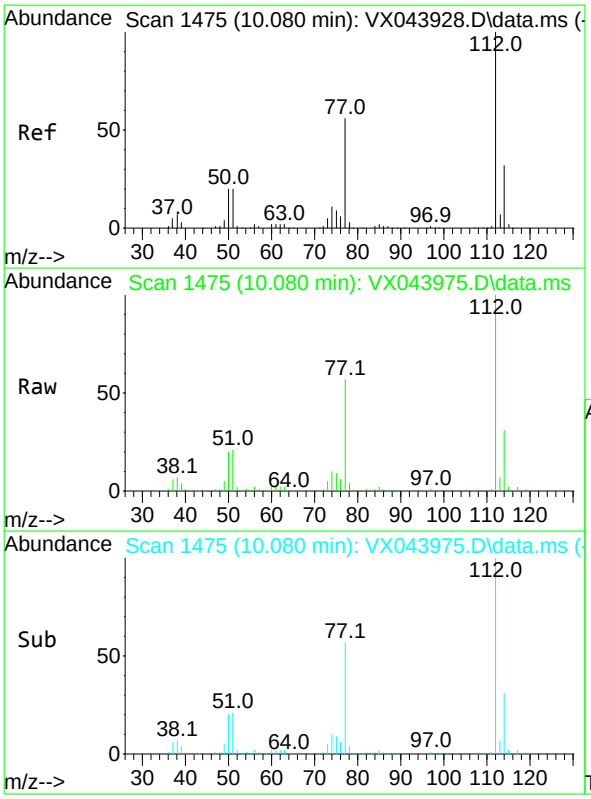




#64
Tetrachloroethene
Concen: 46.307 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 118.2 | 102.1 | 153.1 |
| 129 | 109.2 | 79.6 | 119.4 |
| 131 | 99.0 | 76.9 | 115.3 |






#65
Chlorobenzene
Concen: 47.680 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

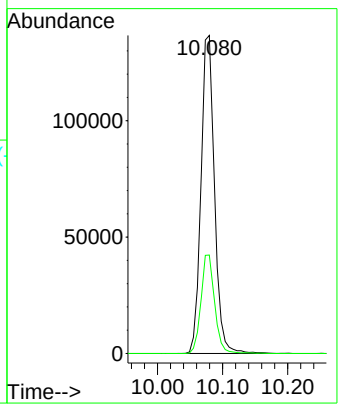
Tgt Ion:112 Resp: 197185

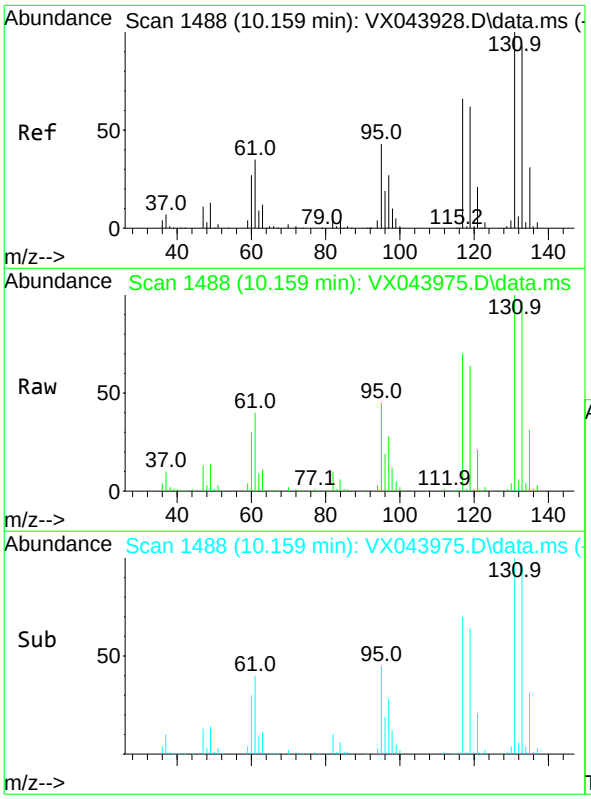
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.4 | 38.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

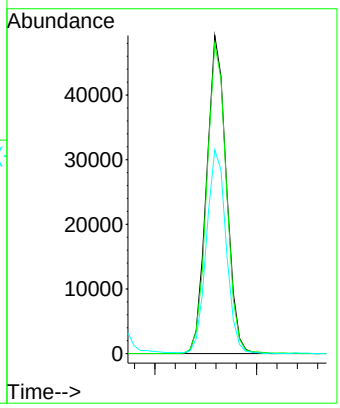


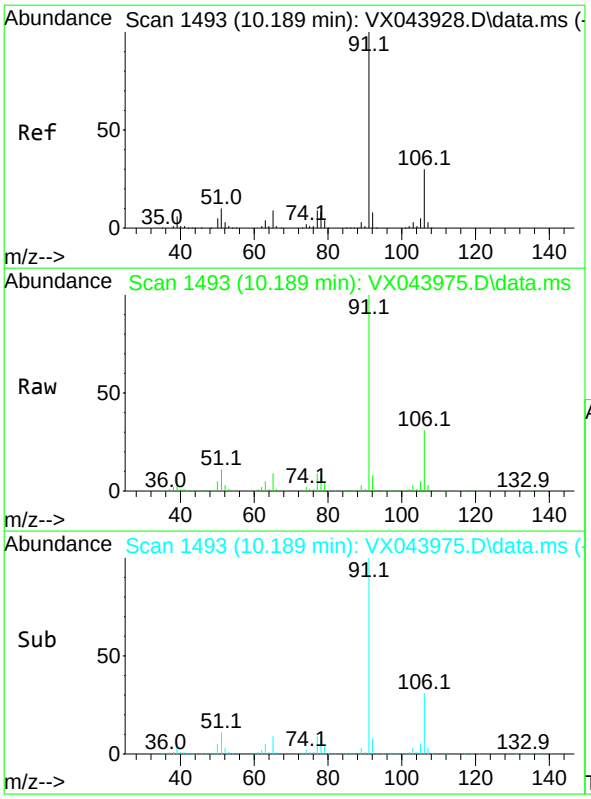




#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.9 | 48.2 | 144.6 |
| 119 | 64.2 | 31.5 | 94.5 |






#67
Ethyl Benzene
Concen: 48.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

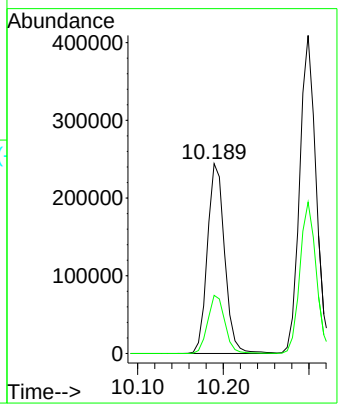
Tgt Ion: 91 Resp: 341272

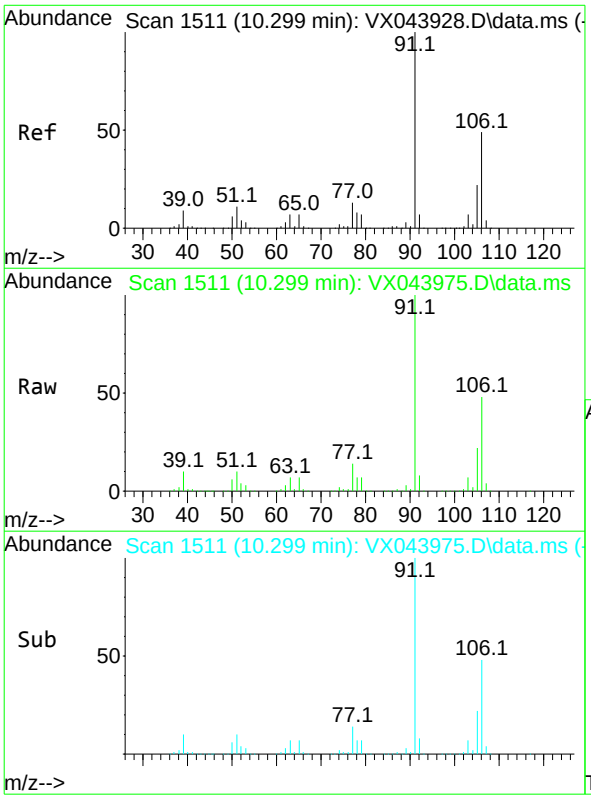
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.6 | 35.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

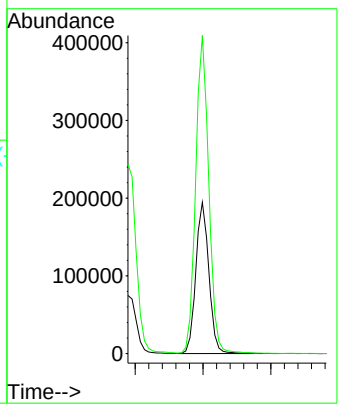


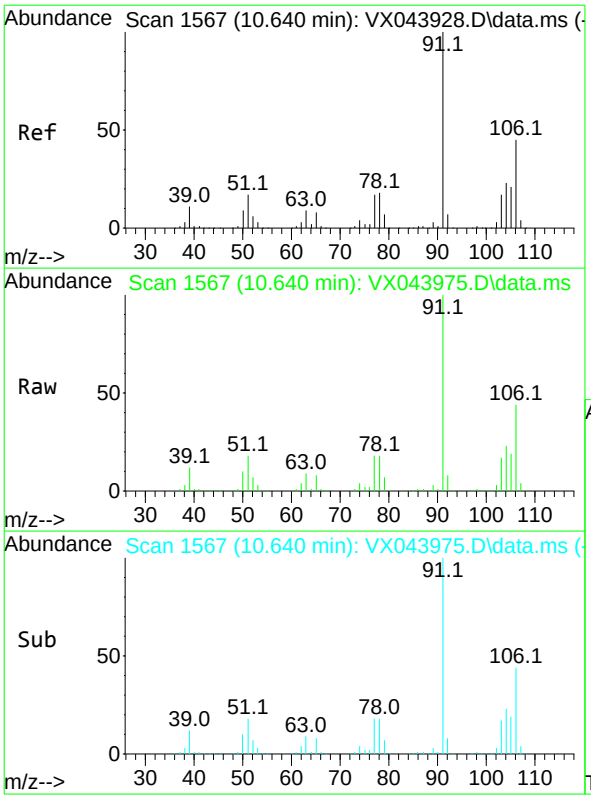




#68
m/p-Xylenes
Concen: 99.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 259471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.5 | 168.1 | 252.1 |






#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

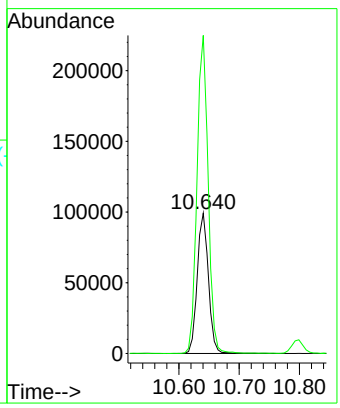
Tgt Ion:106 Resp: 127383

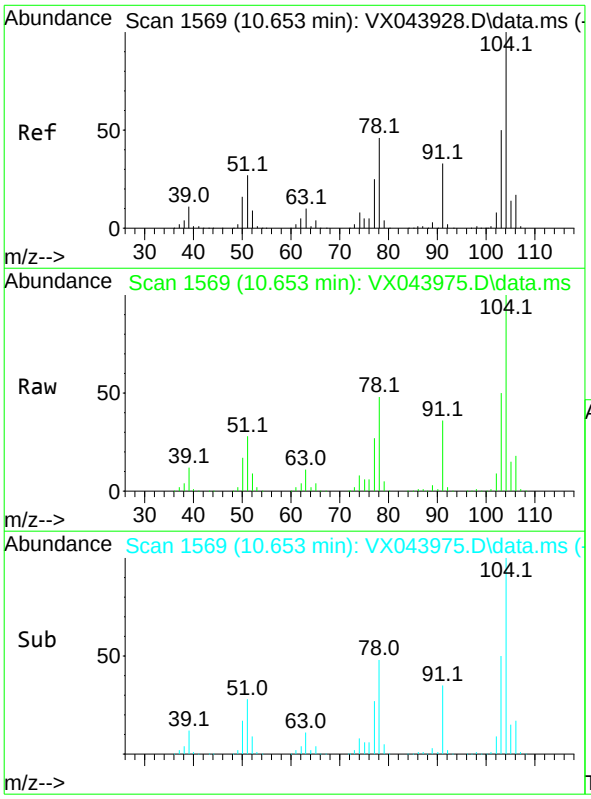
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.5 | 110.2 | 330.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

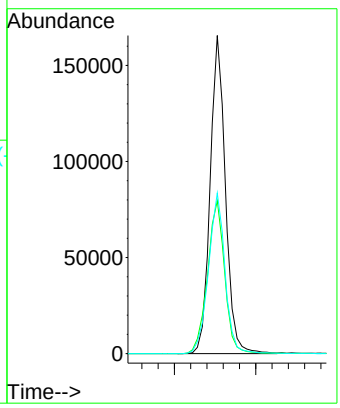


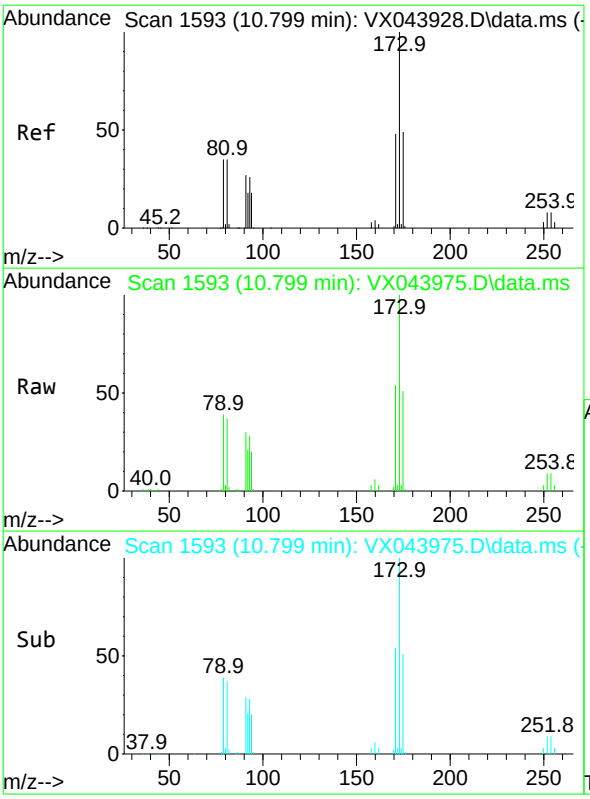




#70
Styrene
Concen: 51.134 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:104 Resp: 215795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.0 | 42.2 | 63.2 |
| 103 | 54.8 | 44.7 | 67.1 |

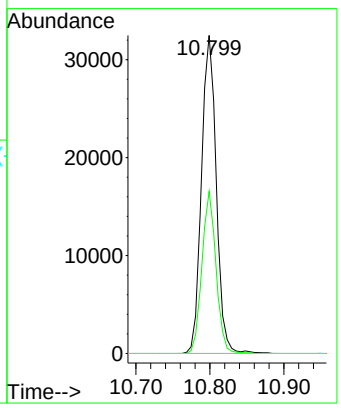





#71
Bromoform
Concen: 44.579 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:173 Resp: 45026

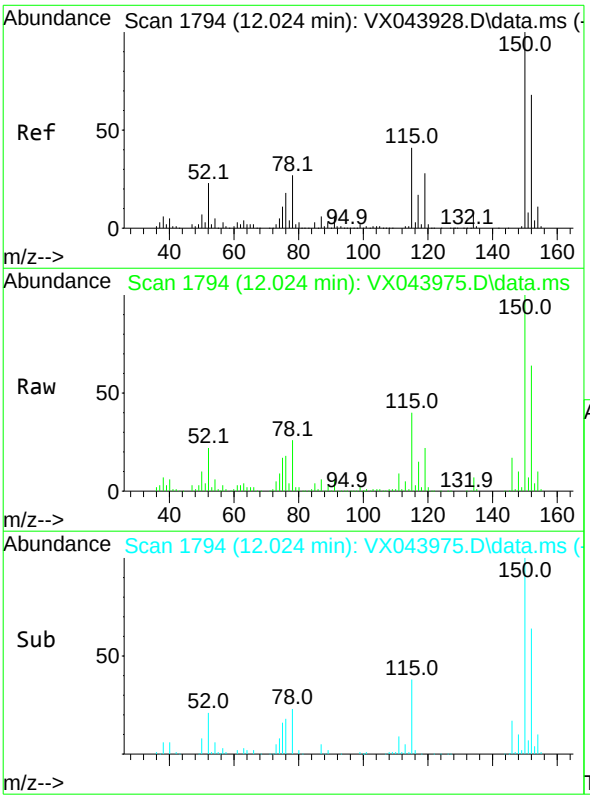
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

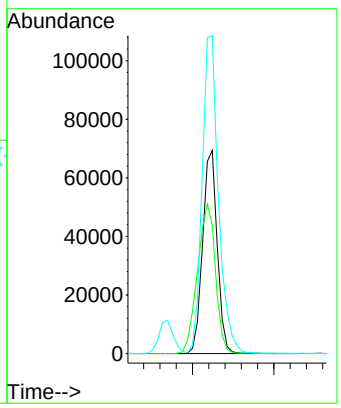
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

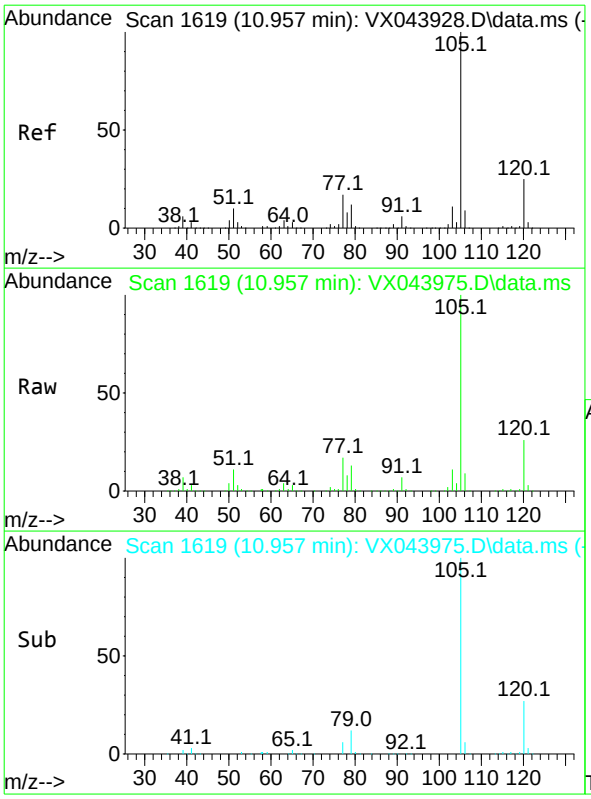



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:152 Resp: 86425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.5 | 45.4 | 136.2 |
| 150 | 174.4 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 10.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

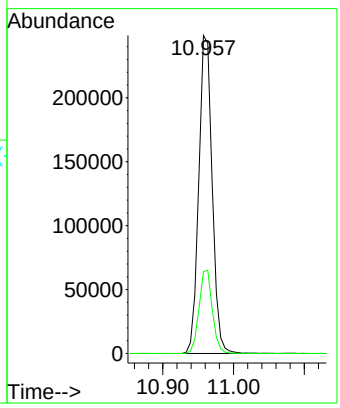
Tgt Ion:105 Resp: 327150

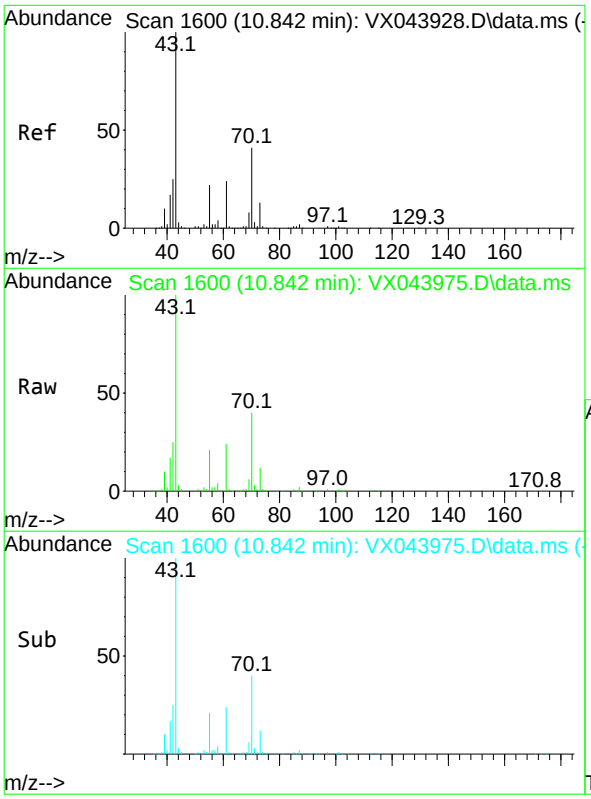
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

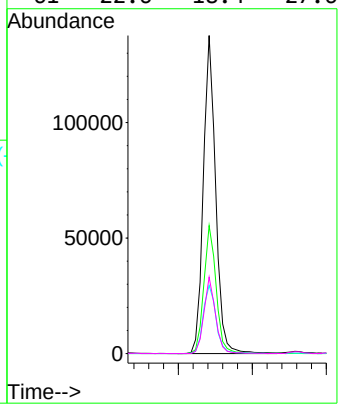


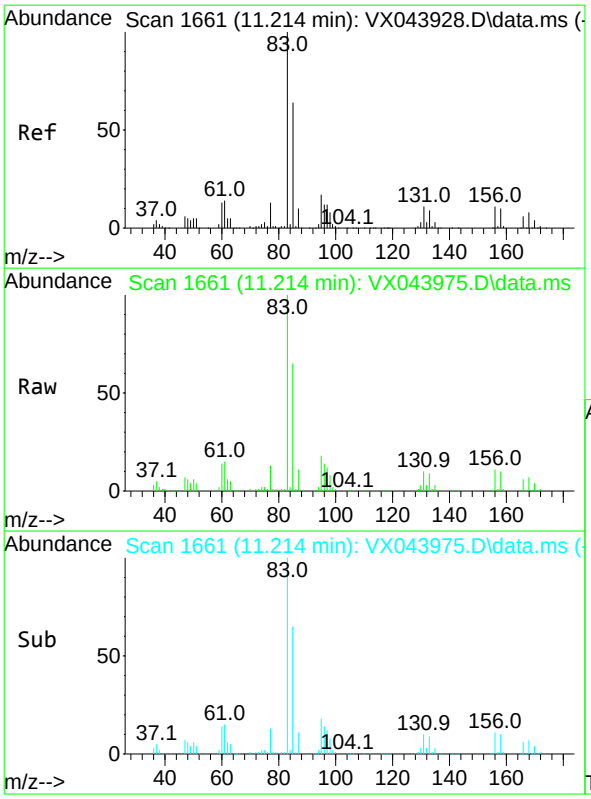




#74
N-amyl acetate
Concen: 51.633 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.2 | 48.2 |
| 55 | 22.5 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |






#75
1,1,2,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.214 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

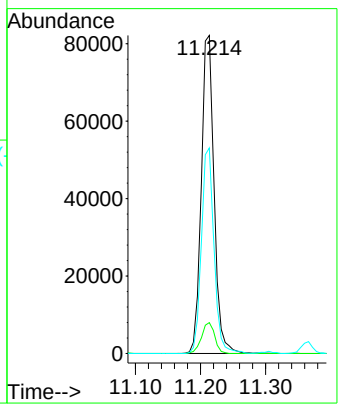
Tgt Ion: 83 Resp: 112173

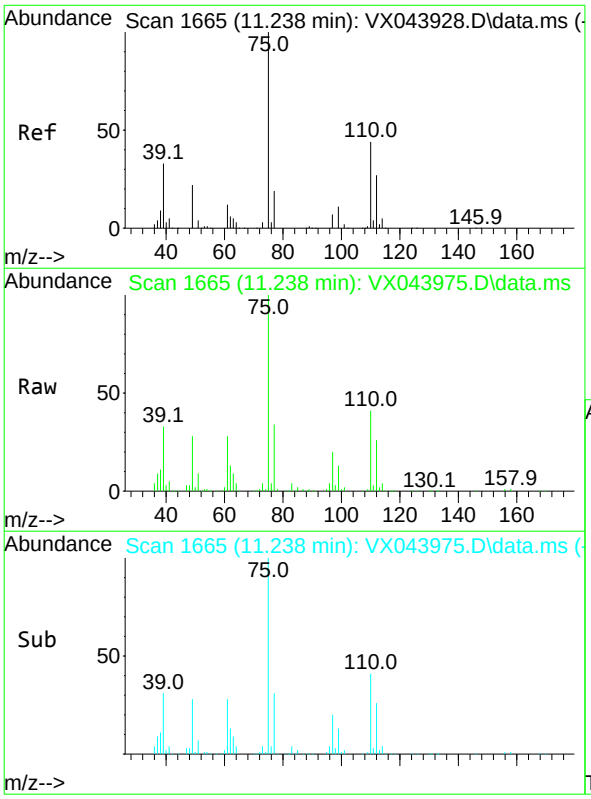
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.2 |
| 85 | 63.9 | 32.2 | 96.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

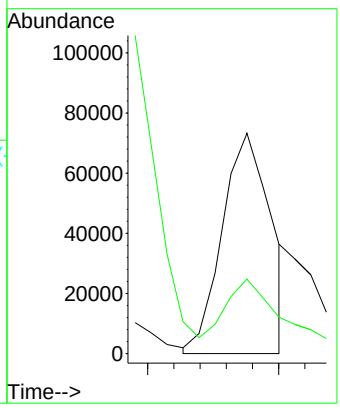


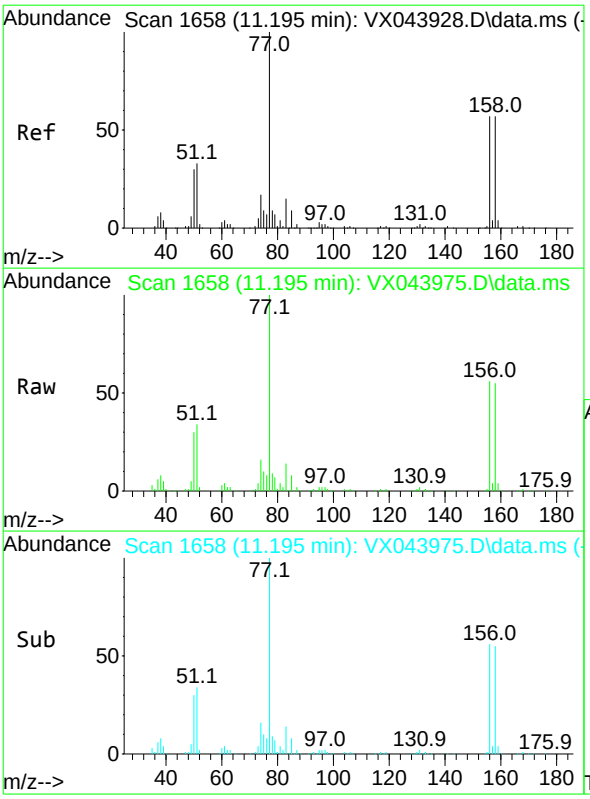




#76
1,2,3-Trichloropropane
Concen: 49.896 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 94567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.9 | 21.8 | 65.3 |






#77
Bromobenzene
Concen: 47.990 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:156 Resp: 76053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.8 | 83.4 | 250.1 |
| 158 | 99.1 | 47.6 | 142.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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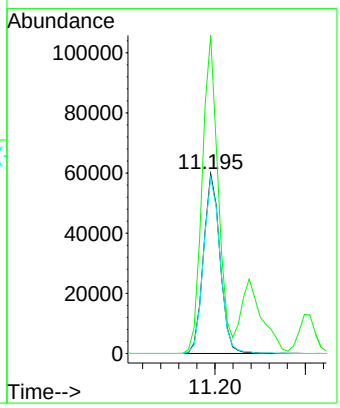
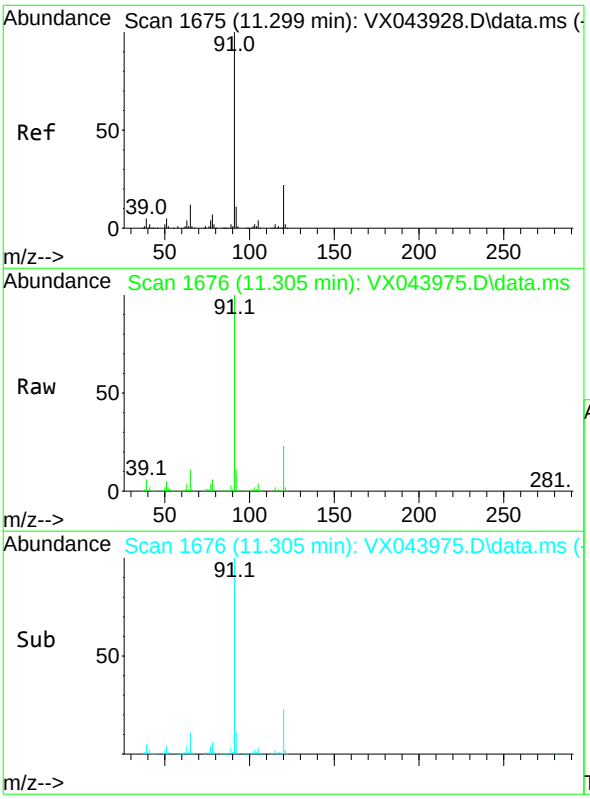
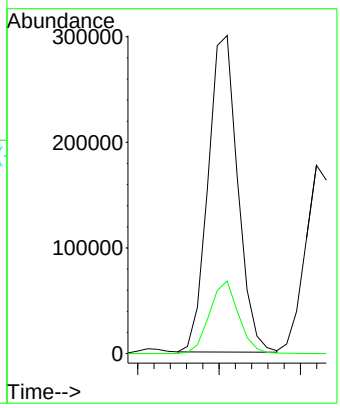


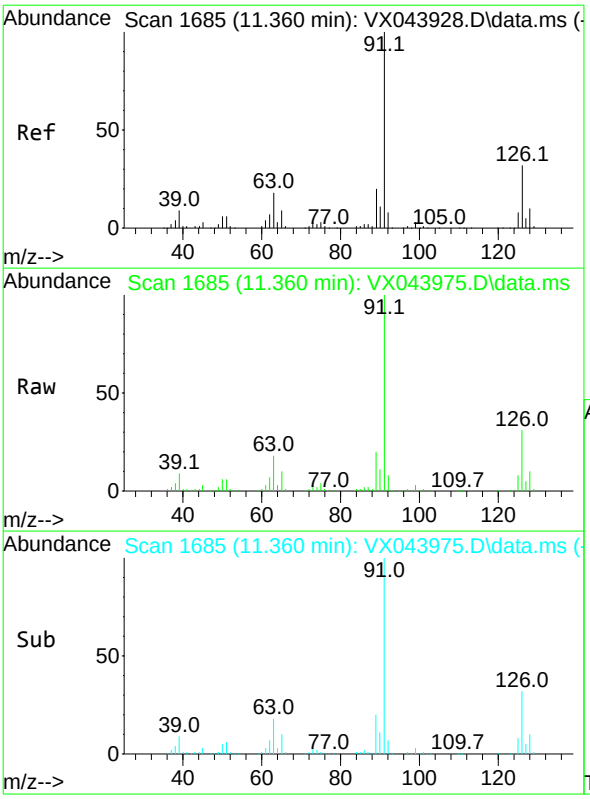




#78
n-propylbenzene
Concen: 51.172 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 379686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.5 | 34.4 |

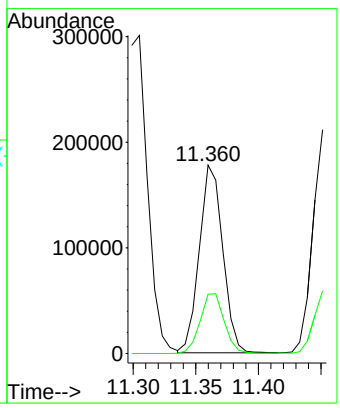





#79
2-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.360 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 231439

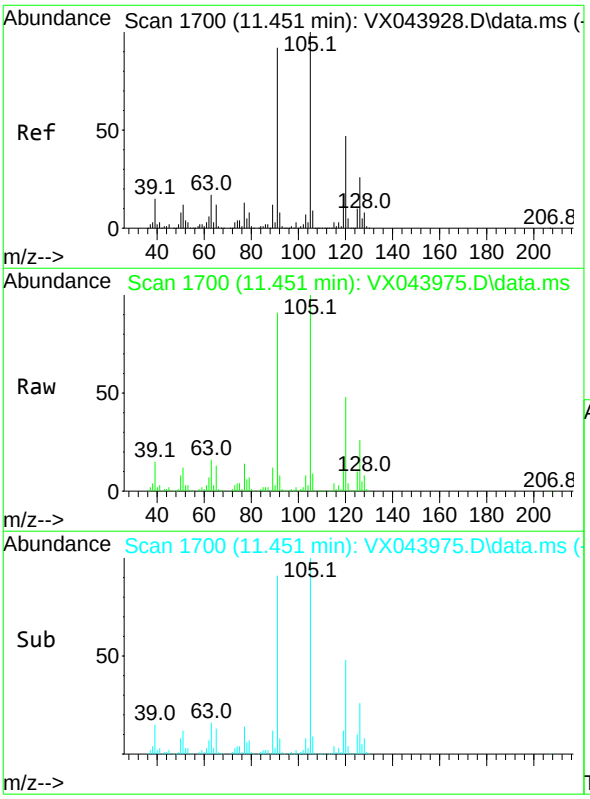
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.6 | 49.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

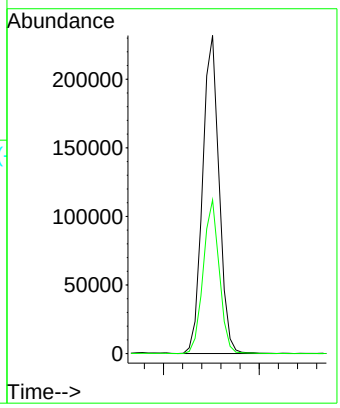
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

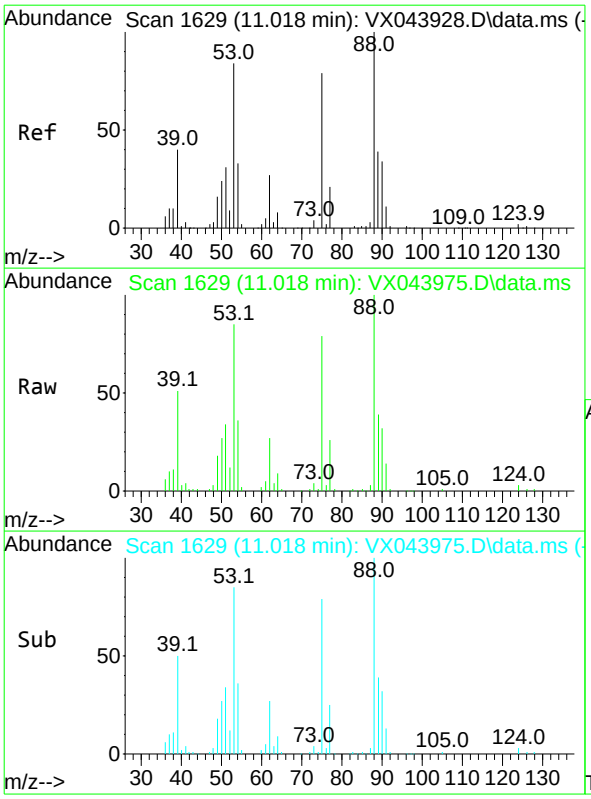



#80
1,3,5-Trimethylbenzene
Concen: 50.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 44.087 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

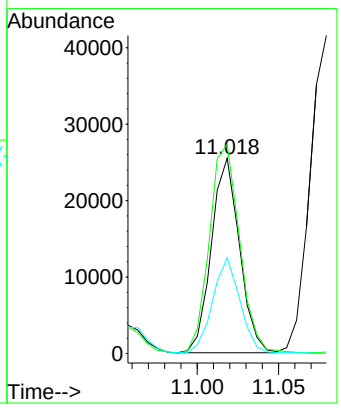
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

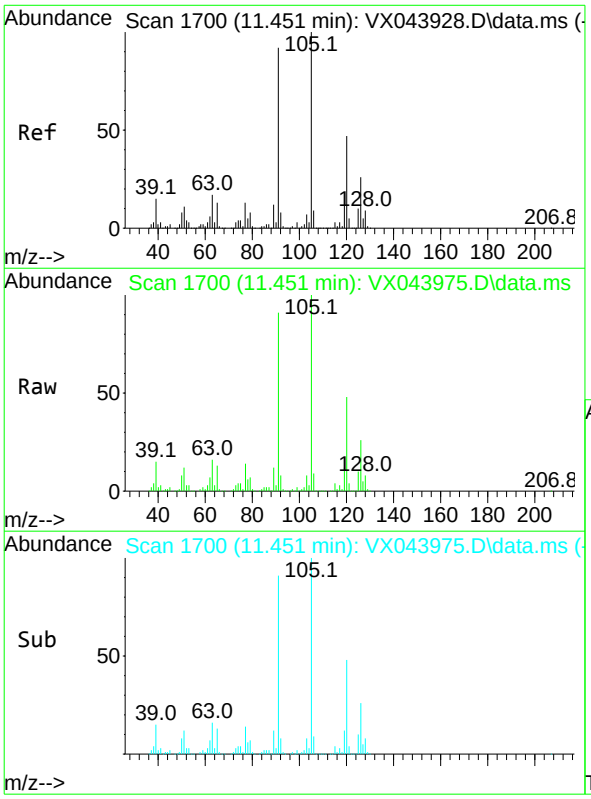
Tgt Ion: 75 Resp: 30621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.2 | 86.7 | 130.1 |
| 89 | 48.4 | 38.2 | 57.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

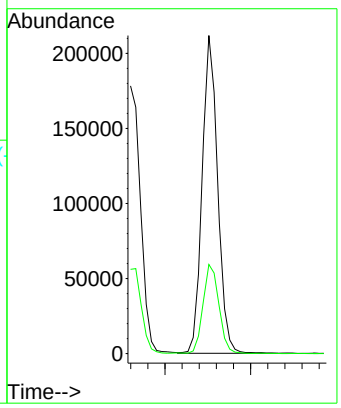


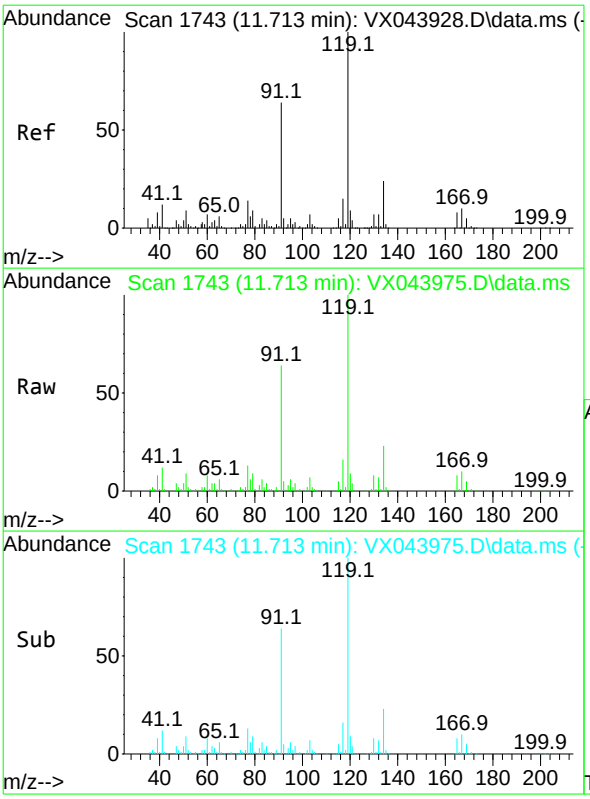




#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.3 | 42.9 |

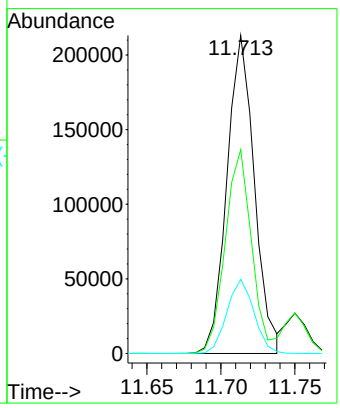





#83
tert-Butylbenzene
Concen: 50.777 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 275078

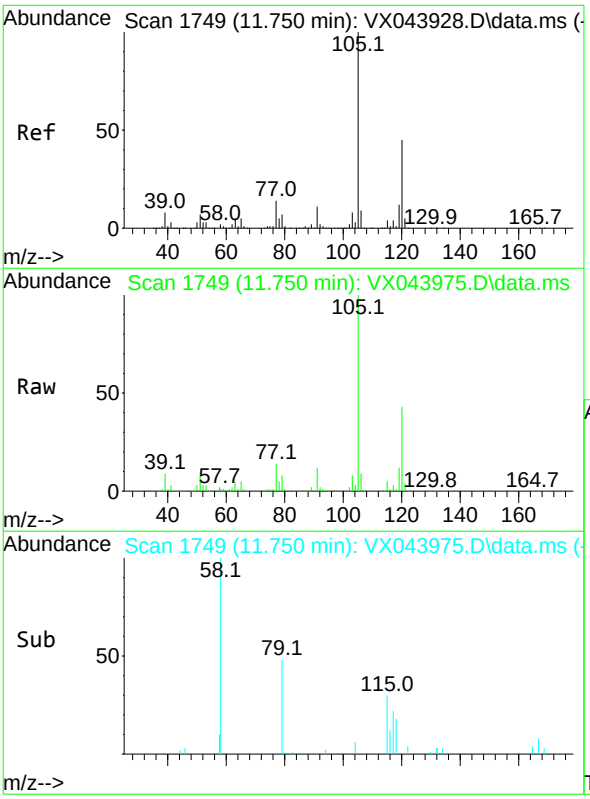
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.3 | 31.0 | 93.0 |
| 134 | 22.9 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

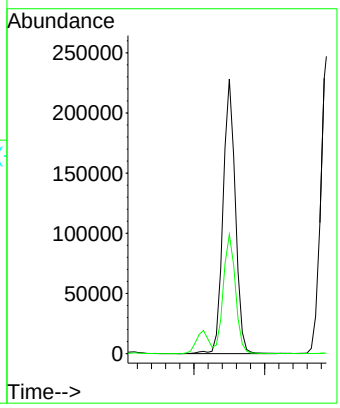
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

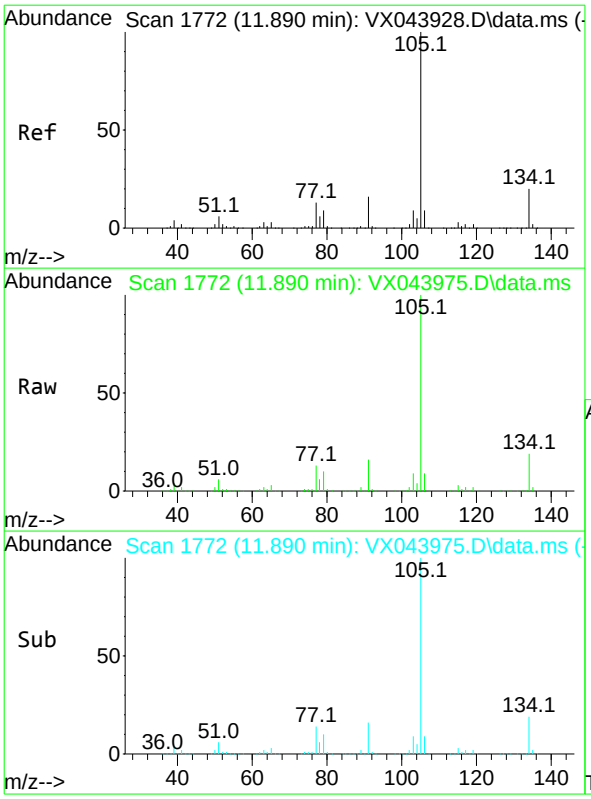



#84
1,2,4-Trimethylbenzene
Concen: 50.446 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 274500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |






#85
sec-Butylbenzene
Concen: 49.060 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

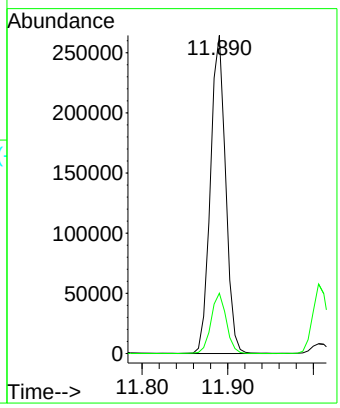
Tgt Ion:105 Resp: 325633

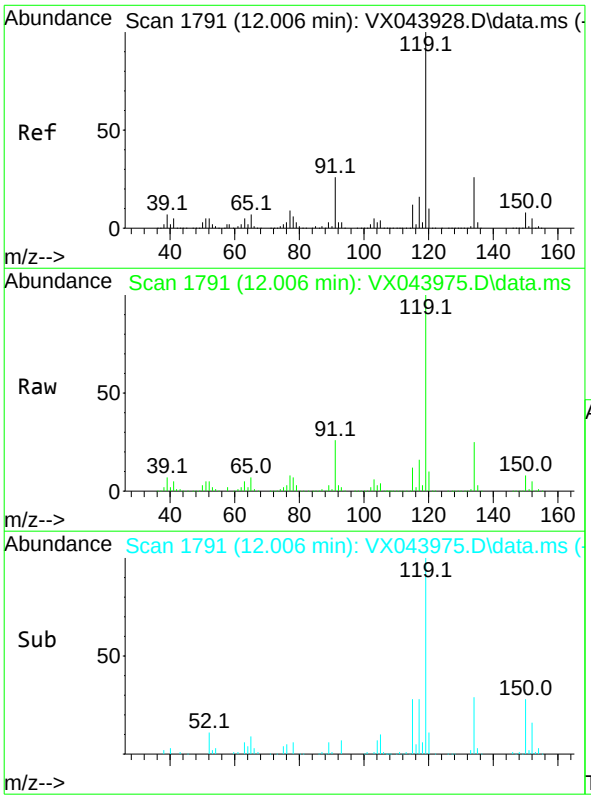
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.9 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

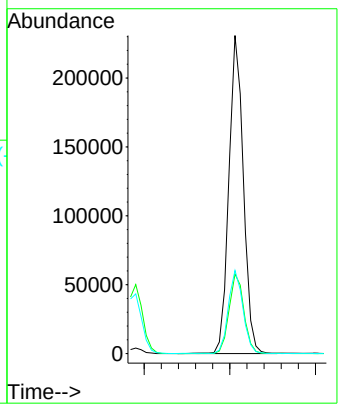


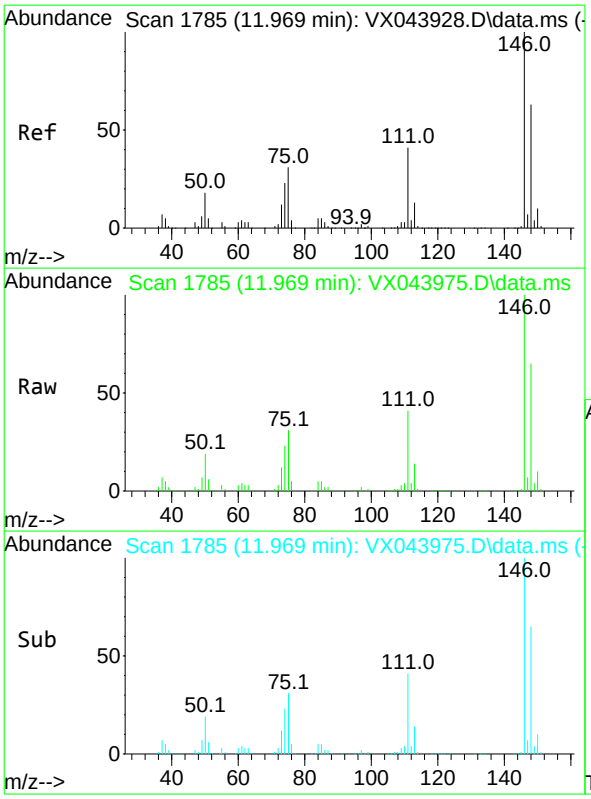




#86
p-Isopropyltoluene
Concen: 50.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 271259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 26.3 | 13.0 | 38.9 |






#87
1,3-Dichlorobenzene
Concen: 47.044 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

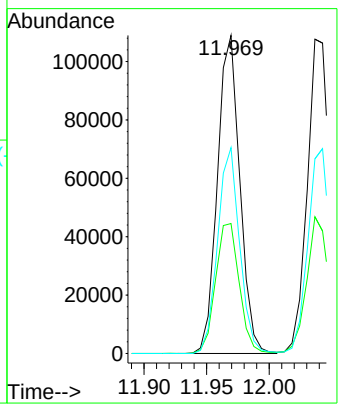
Tgt Ion:146 Resp: 135787

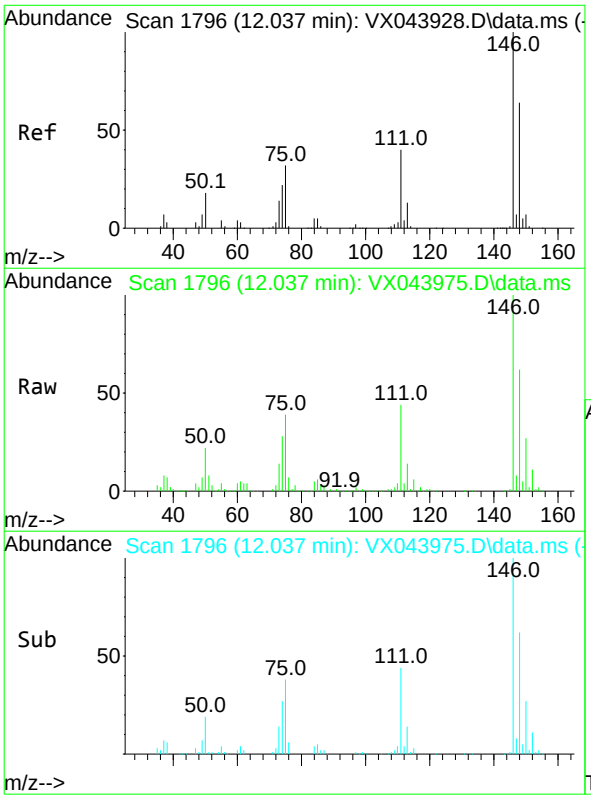
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.1 | 63.3 |
| 148 | 63.5 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

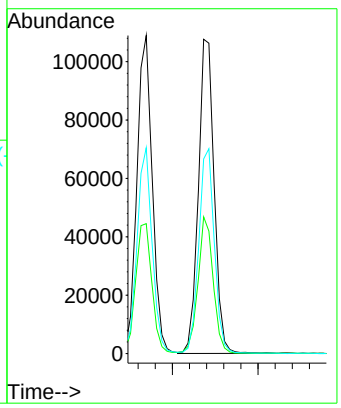


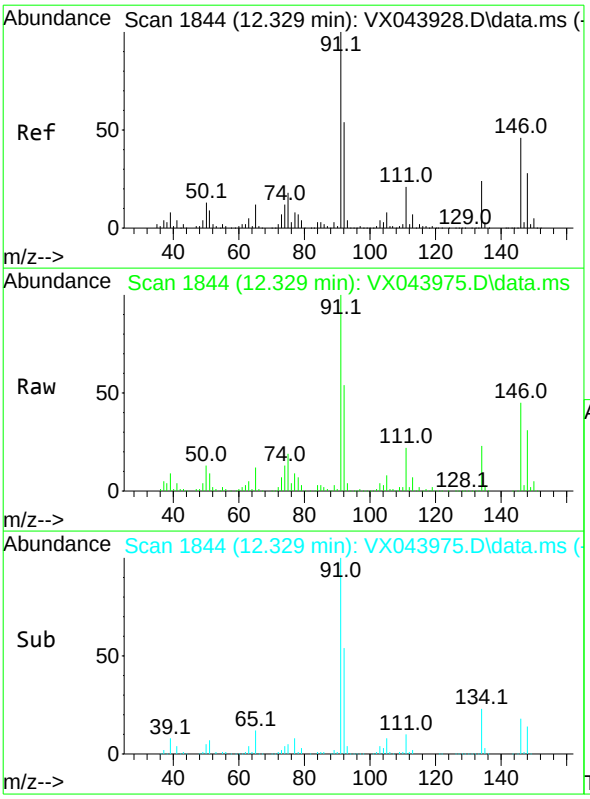




#88
1,4-Dichlorobenzene
Concen: 46.839 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 137836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.1 | 60.3 |
| 148 | 64.8 | 30.9 | 92.8 |






#89
n-Butylbenzene
Concen: 50.543 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

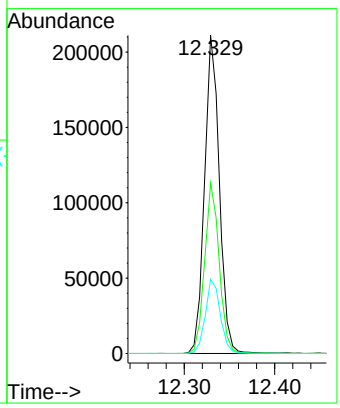
Tgt Ion: 91 Resp: 240255

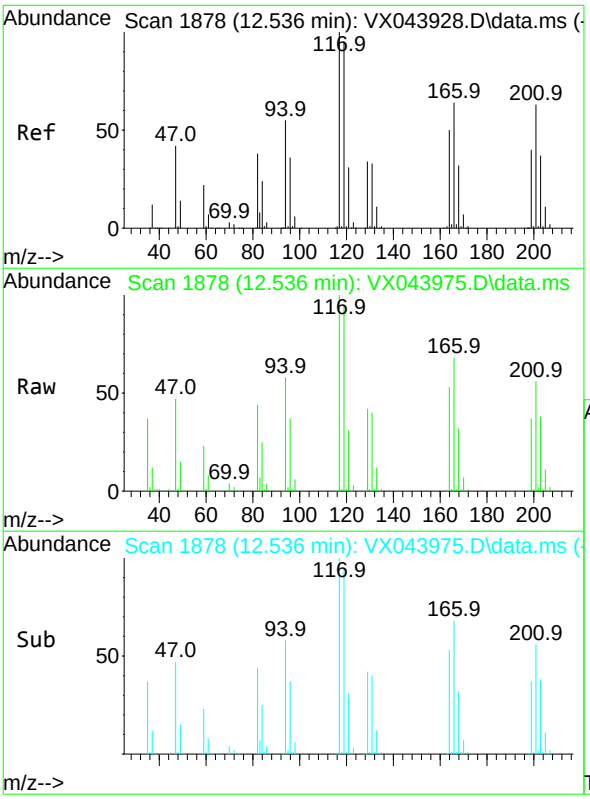
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.6 | 79.8 |
| 134 | 23.6 | 12.4 | 37.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

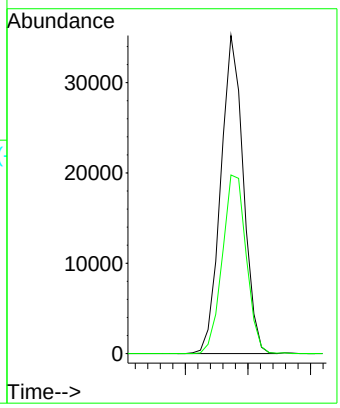


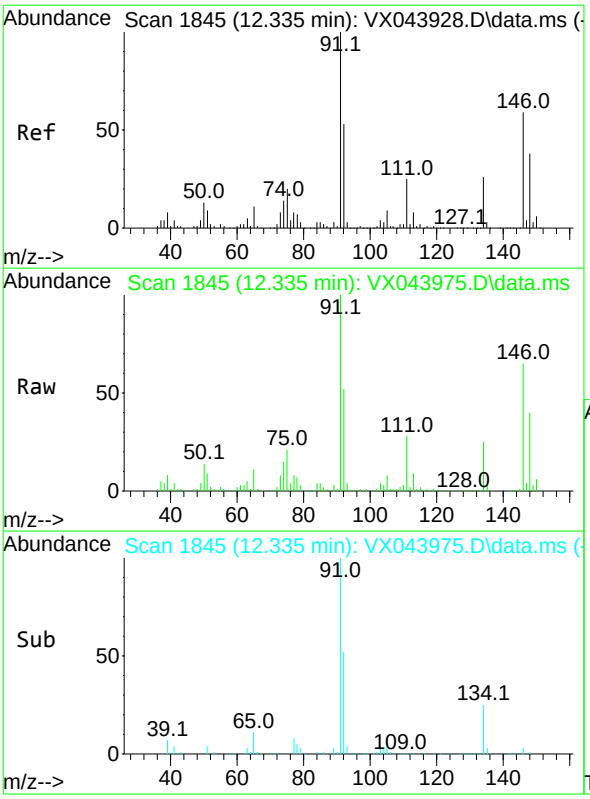




#90
Hexachloroethane
Concen: 48.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 44170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 59.5 | 32.4 | 97.0 |

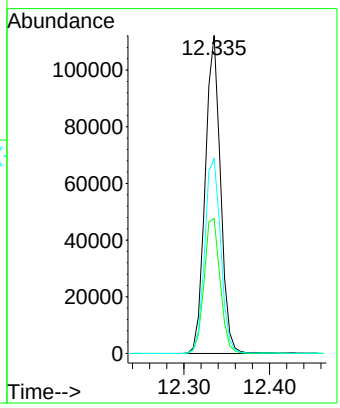





#91
1,2-Dichlorobenzene
Concen: 47.819 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 139290

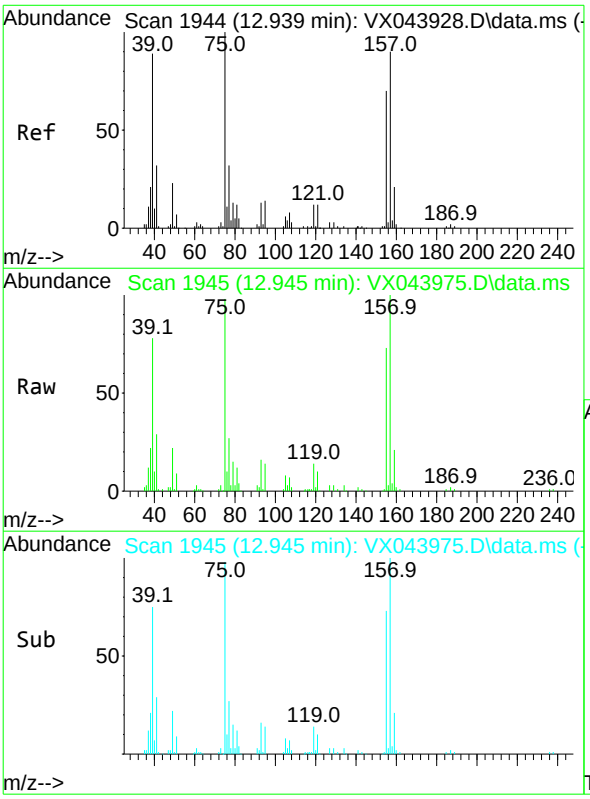
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 21.5 | 64.5 |
| 148 | 64.0 | 31.9 | 95.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

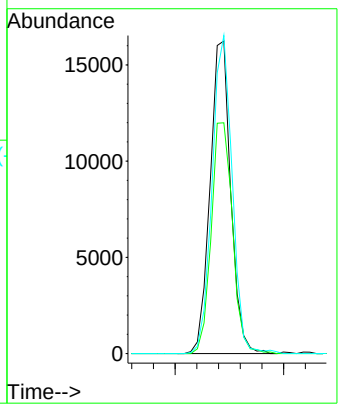
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

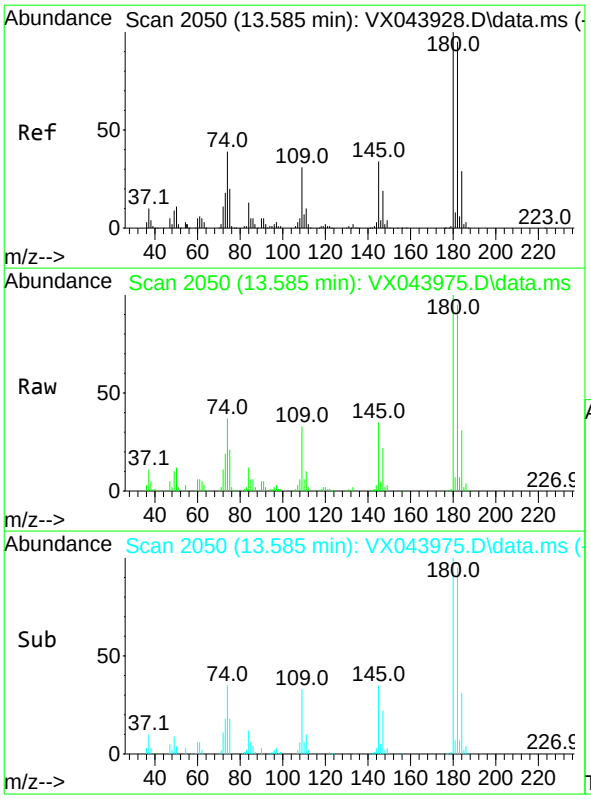



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.196 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 21512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 75.7 | 40.1 | 120.2 |
| 157 | 98.5 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 47.087 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

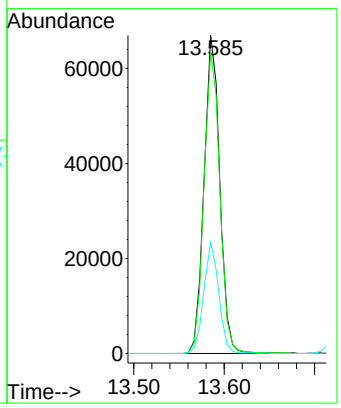
Tgt Ion:180 Resp: 80863

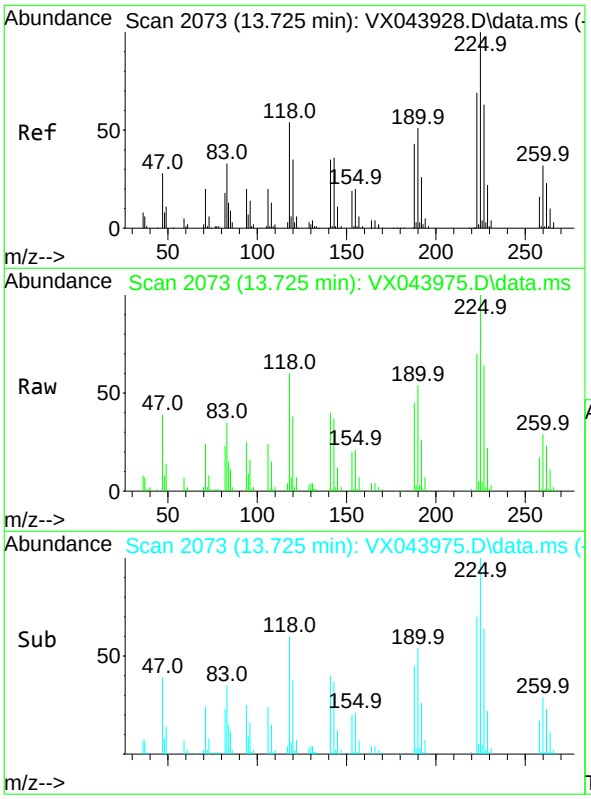
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 48.0 | 144.2 |
| 145 | 33.5 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

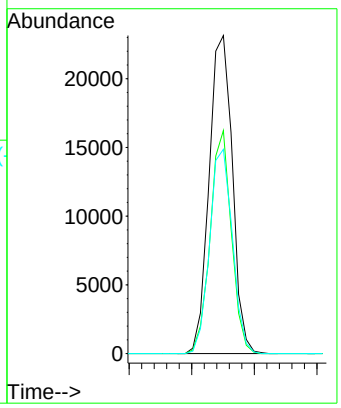


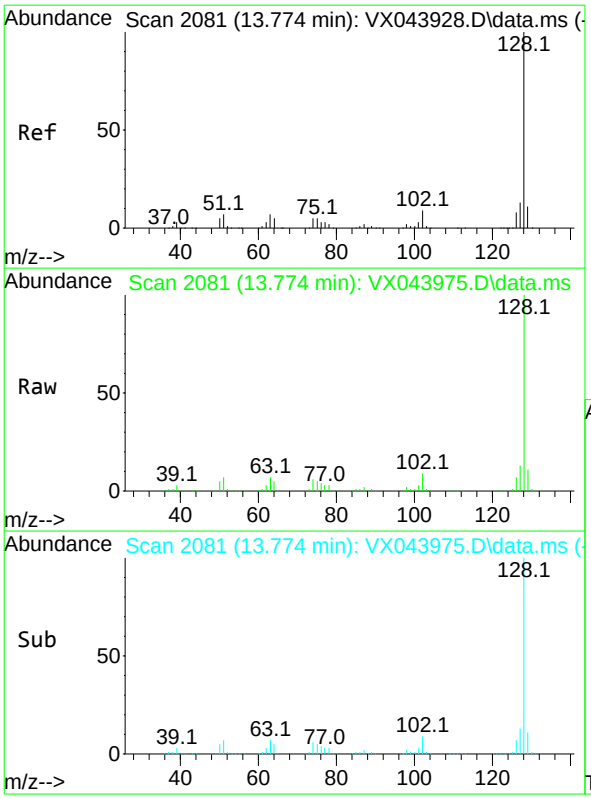




#94
Hexachlorobutadiene
Concen: 43.962 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:225 Resp: 29838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 32.9 | 98.6 |
| 227 | 63.0 | 31.6 | 94.8 |






#95
Naphthalene
Concen: 50.444 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

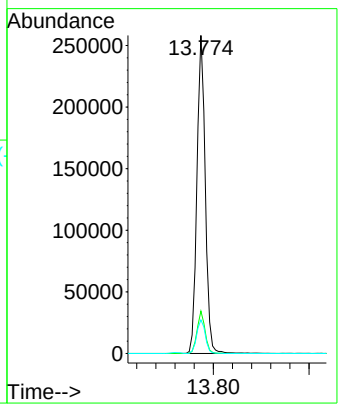
Tgt Ion:128 Resp: 311837

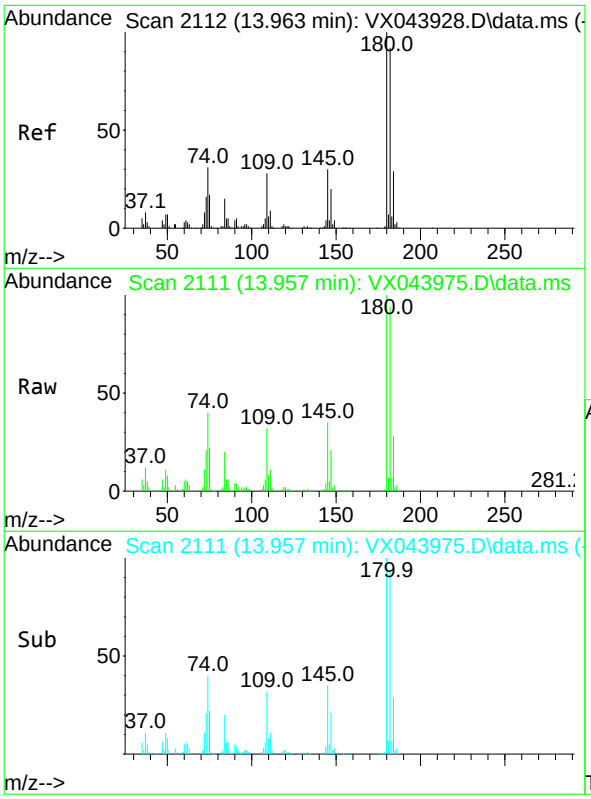
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

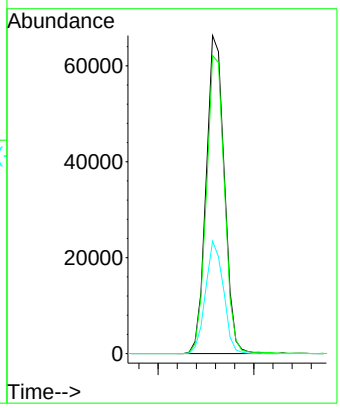



#96
1,2,3-Trichlorobenzene
Concen: 50.266 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 45.6 | 136.8 |
| 145 | 34.8 | 16.4 | 49.4 |



Evaluate Continuing Calibration Report

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.633 | 0.553 | 12.6 | 72 | 0.00 |
| 3 | P | Chloromethane | 0.667 | 0.604 | 9.4 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 0.709 | 0.633 | 10.7# | 74 | 0.00 |
| 5 | T | Bromomethane | 0.436 | 0.468 | -7.3 | 93 | 0.00 |
| 6 | T | Chloroethane | 0.432 | 0.412 | 4.6 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.268 | 1.357 | -7.0 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 0.462 | 0.429 | 7.1 | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.544 | 10.1 | 73 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.714 | 5.4 | 78 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.138 | 0.118 | 14.5 | 73 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.576 | 0.528 | 8.3# | 78 | 0.00 |
| 13 | T | Acrolein | 0.145 | 0.126 | 13.1 | 77 | 0.00 |
| 14 | T | Allyl chloride | 0.941 | 0.921 | 2.1 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 0.335 | 0.316 | 5.7 | 76 | 0.00 |
| 16 | T | Acetone | 0.394 | 0.292 | 25.9# | 61 | 0.00 |
| 17 | T | Carbon Disulfide | 1.188 | 1.034 | 13.0 | 71 | 0.00 |
| 18 | T | Methyl Acetate | 0.917 | 0.846 | 7.7 | 76 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.092 | 2.090 | 0.1 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.668 | 0.624 | 6.6 | 83 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.595 | 0.569 | 4.4 | 80 | 0.00 |
| 22 | T | Diisopropyl ether | 2.013 | 2.022 | -0.4 | 83 | 0.00 |
| 23 | T | Vinyl Acetate | 1.722 | 1.762 | -2.3 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.161 | 1.155 | 0.5 | 82 | 0.00 |
| 25 | T | 2-Butanone | 0.508 | 0.453 | 10.8 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.049 | 0.956 | 8.9 | 74 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.735 | 0.728 | 1.0 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 0.511 | 0.513 | -0.4 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.312 | 0.286 | 8.3 | 75 | 0.00 |
| 30 | C | Chloroform | 1.249 | 1.246 | 0.2# | 84 | 0.00 |
| 31 | T | Cyclohexane | 0.956 | 0.884 | 7.5 | 75 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.102 | -2.3 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.858 | 0.889 | -3.6 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.357 | 0.358 | -0.3 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.445 | 0.431 | 3.1 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 0.553 | 0.500 | 9.6 | 76 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.500 | 0.488 | 2.4 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 0.578 | 0.512 | 11.4 | 72 | 0.00 |
| 40 | TM | Benzene | 1.387 | 1.324 | 4.5 | 82 | 0.00 |
| 41 | T | Methacrylonitrile | 0.283 | 0.263 | 7.1 | 74 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.557 | 0.541 | 2.9 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.880 | 0.844 | 4.1 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 0.393 | 0.317 | 19.3 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.340 | 0.329 | 3.2# | 82 | 0.00 |
| 46 | T | Dibromomethane | 0.269 | 0.256 | 4.8 | 81 | 0.00 |
| 47 | T | Bromodichloromethane | 0.482 | 0.474 | 1.7 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 0.422 | 0.388 | 8.1 | 77 | 0.00 |

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.008 | 0.005 | 37.5# | 61 | 0.00 |
| 50 | S | Toluene-d8 | 1.232 | 1.216 | 1.3 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.537 | 0.509 | 5.2 | 78 | 0.00 |
| 52 | CM | Toluene | 0.830 | 0.802 | 3.4# | 81 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.491 | 0.480 | 2.2 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.539 | 0.525 | 2.6 | 80 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.324 | 5.5 | 81 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.534 | 0.531 | 0.6 | 80 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.577 | 0.554 | 4.0 | 82 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.273 | 0.250 | 8.4 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 0.403 | 0.376 | 6.7 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 0.344 | 0.327 | 4.9 | 76 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.346 | 0.340 | 1.7 | 82 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.419 | 0.417 | 0.5 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 0.330 | 0.305 | 7.6 | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 1.098 | 1.047 | 4.6 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.356 | 0.352 | 1.1 | 79 | 0.00 |
| 67 | C | Ethyl Benzene | 1.861 | 1.812 | 2.6# | 79 | 0.00 |
| 68 | T | m/p-Xylenes | 0.694 | 0.689 | 0.7 | 80 | 0.00 |
| 69 | T | o-Xylene | 0.678 | 0.676 | 0.3 | 79 | 0.00 |
| 70 | T | Styrene | 1.121 | 1.146 | -2.2 | 81 | 0.00 |
| 71 | P | Bromoform | 0.240 | 0.239 | 0.4 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 3.843 | 3.785 | 1.5 | 80 | 0.00 |
| 74 | T | N-amyl acetate | 1.780 | 1.839 | -3.3 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.316 | 1.298 | 1.4 | 80 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.096 | 1.094 | 0.2 | 80 | 0.00 |
| 77 | T | Bromobenzene | 0.917 | 0.880 | 4.0 | 78 | 0.00 |
| 78 | T | n-propylbenzene | 4.293 | 4.393 | -2.3 | 80 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.714 | 2.678 | 1.3 | 81 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.162 | 3.213 | -1.6 | 80 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.402 | 0.354 | 11.9 | 69 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.064 | 3.075 | -0.4 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.134 | 3.183 | -1.6 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.148 | 3.176 | -0.9 | 80 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.840 | 3.768 | 1.9 | 76 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.119 | 3.139 | -0.6 | 77 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.670 | 1.571 | 5.9 | 77 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.702 | 1.595 | 6.3 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 2.750 | 2.780 | -1.1 | 75 | 0.00 |
| 90 | T | Hexachloroethane | 0.530 | 0.511 | 3.6 | 75 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.685 | 1.612 | 4.3 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.249 | 5.7 | 76 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.994 | 0.936 | 5.8 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.393 | 0.345 | 12.2 | 72 | 0.00 |
| 95 | T | Naphthalene | 3.576 | 3.608 | -0.9 | 78 | 0.00 |

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.011 | -0.5 | 78 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.686 | 12.6 | 72 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.274 | 9.5 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 44.612 | 10.8# | 74 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 53.679 | -7.4 | 93 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.709 | 4.6 | 80 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.528 | -7.1 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.443 | 7.1 | 80 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.966 | 10.1 | 73 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.250 | 5.5 | 78 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 215.043 | 14.0 | 73 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 45.800 | 8.4# | 78 | 0.00 |
| 13 | T | Acrolein | 250.000 | 217.457 | 13.0 | 77 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.923 | 2.2 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 235.443 | 5.8 | 76 | 0.00 |
| 16 | T | Acetone | 250.000 | 185.644 | 25.7# | 61 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.508 | 13.0 | 71 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.099 | 7.8 | 76 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.964 | 0.1 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.692 | 6.6 | 83 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.861 | 4.3 | 80 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.212 | -0.4 | 83 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 255.744 | -2.3 | 81 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.748 | 0.5 | 82 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 222.822 | 10.9 | 71 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 45.557 | 8.9 | 74 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.483 | 1.0 | 82 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.141 | -0.3 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 229.176 | 8.3 | 75 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.881 | 0.2# | 84 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.218 | 7.6 | 75 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.132 | -2.3 | 83 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.858 | -3.7 | 105 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.113 | -0.2 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.403 | 3.2 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 45.245 | 9.5 | 76 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.766 | 2.5 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.283 | 11.4 | 72 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.732 | 4.5 | 82 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 46.538 | 6.9 | 74 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.527 | 2.9 | 83 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.002 | 4.0 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 40.354 | 19.3 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.373 | 3.3# | 82 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.608 | 4.8 | 81 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.233 | 1.5 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.987 | 8.0 | 77 | 0.00 |

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 708.970 | 29.1# | 61 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.385 | 1.2 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 237.028 | 5.2 | 78 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.314 | 3.4# | 81 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.867 | 2.3 | 78 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.756 | 2.5 | 80 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.244 | 5.5 | 81 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.720 | 0.6 | 80 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.020 | 4.0 | 82 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 213.469 | 14.6 | 75 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 233.298 | 6.7 | 74 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.547 | 4.9 | 76 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.118 | 1.8 | 82 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.694 | 0.6 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.307 | 7.4 | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.680 | 4.6 | 81 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.398 | 1.2 | 79 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.699 | 2.6# | 79 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.287 | 0.7 | 80 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.924 | 0.2 | 79 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.134 | -2.3 | 81 | 0.00 |
| 71 | P | Bromoform | 50.000 | 44.579 | 10.8 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.244 | 1.5 | 80 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.633 | -3.3 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.312 | 1.4 | 80 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.896 | 0.2 | 80 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.990 | 4.0 | 78 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.172 | -2.3 | 80 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.328 | 1.3 | 81 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.803 | -1.6 | 80 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.087 | 11.8 | 69 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.170 | -0.3 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.777 | -1.6 | 80 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.446 | -0.9 | 80 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.060 | 1.9 | 76 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.312 | -0.6 | 77 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.044 | 5.9 | 77 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.839 | 6.3 | 77 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.543 | -1.1 | 75 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.179 | 3.6 | 75 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.819 | 4.4 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.196 | 5.6 | 76 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.087 | 5.8 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 43.962 | 12.1 | 72 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.444 | -0.9 | 78 | 0.00 |

Sample Results: **VX043975.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.266 | -0.5 | 78 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# QC SAMPLE DATA

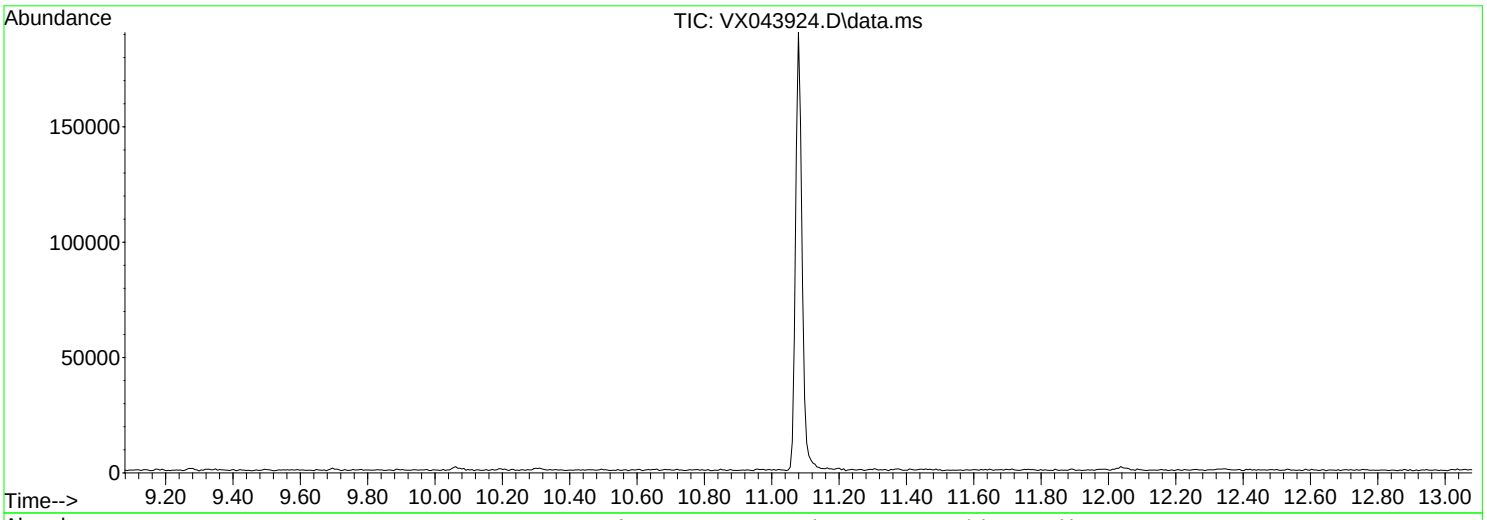
Sample Results: **VX043924.D**

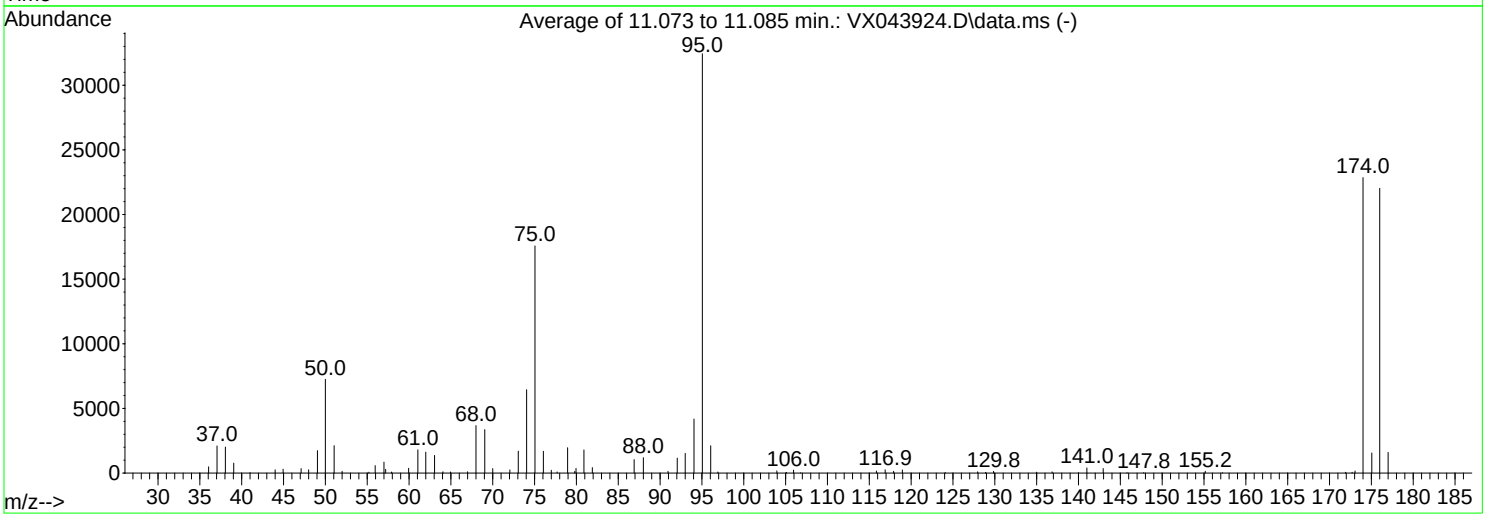
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043924.D
Acq On : 21 Nov 2024 08:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112024W.M
Title : SW846 8260
Last Update : Fri Nov 22 00:18:05 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 22.4 | 7254 | PASS |
| 75 | 95 | 30 | 60 | 54.2 | 17573 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 32437 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 2112 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 162 | PASS |
| 174 | 95 | 50 | 100 | 70.5 | 22853 | PASS |
| 175 | 174 | 5 | 9 | 6.8 | 1557 | PASS |
| 176 | 174 | 95 | 101 | 96.4 | 22030 | PASS |
| 177 | 176 | 5 | 9 | 7.3 | 1600 | PASS |

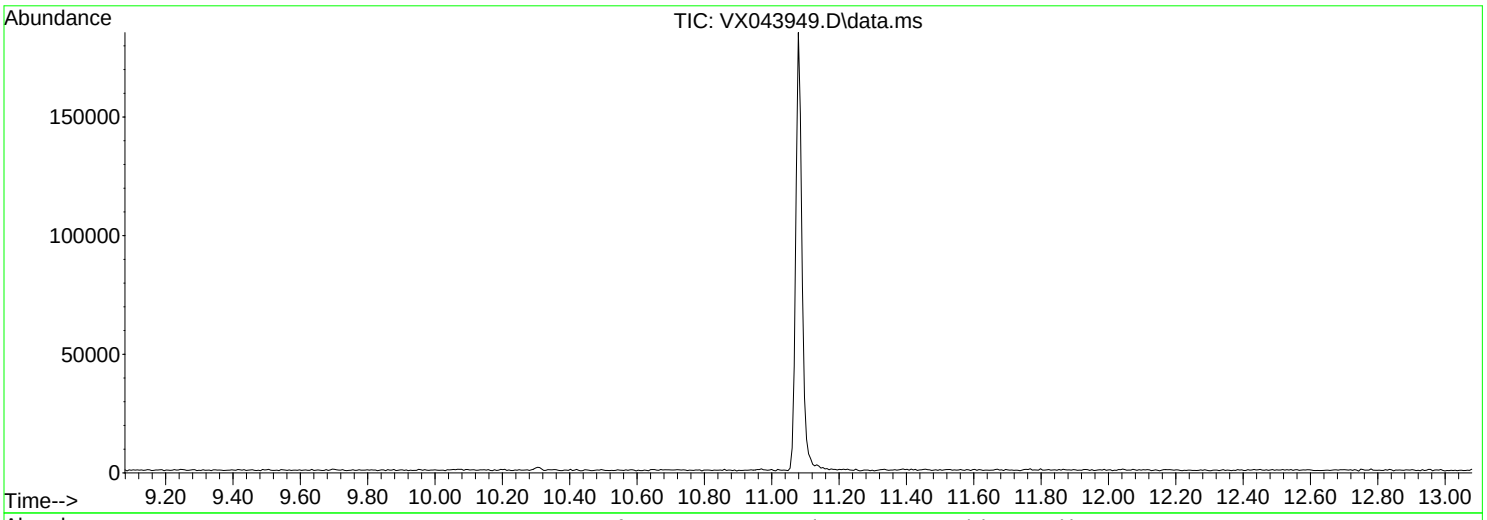
Sample Results: **VX043949.D**

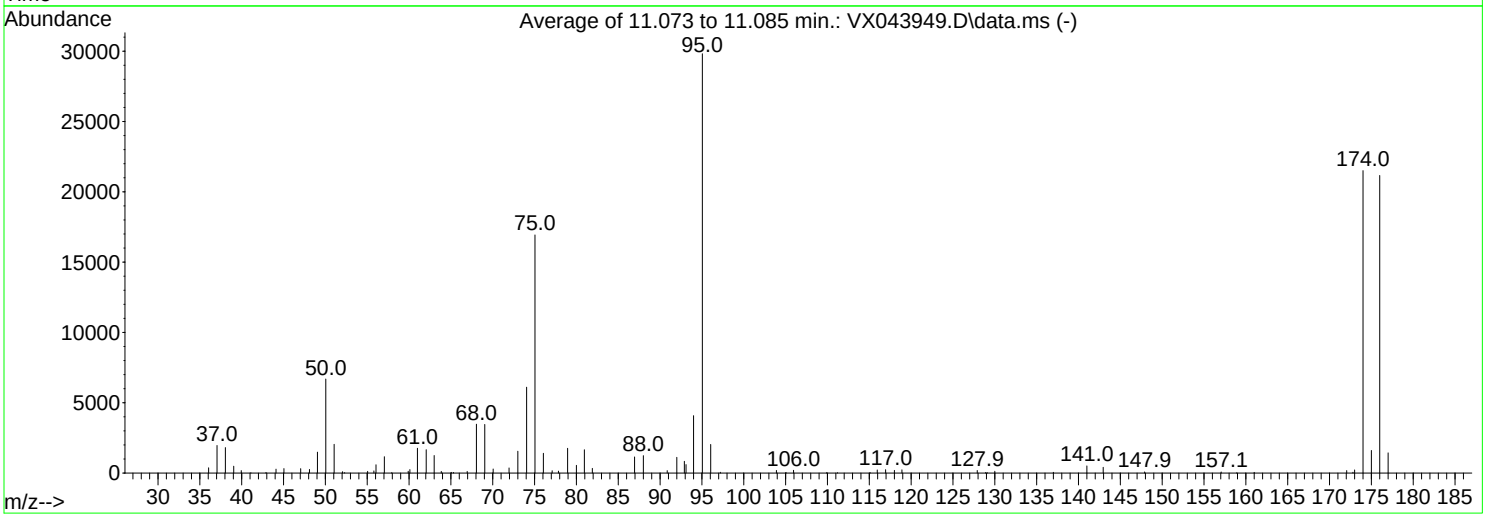
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043949.D
Acq On : 22 Nov 2024 10:54
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260
Last Update : Fri Nov 22 03:45:52 2024




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 22.4 | 6686 | PASS |
| 75 | 95 | 30 | 60 | 56.8 | 16932 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 29819 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 2035 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 222 | PASS |
| 174 | 95 | 50 | 100 | 72.1 | 21506 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 1609 | PASS |
| 176 | 174 | 95 | 101 | 98.4 | 21161 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 1436 | PASS |

Raw Data: **VX043934.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1121WBL01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1121WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043934.D | 1 | | 11/21/24 14:50 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043934.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1121WBL01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1121WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043934.D | 1 | | 11/21/24 14:50 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.5 | | 81 - 118 | | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.0 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.0 | | 85 - 114 | | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 131000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 248000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 217000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 92100 | 12.024 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Quant Time: Nov 22 03:58:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 130697 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 247747 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 216577 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 92124 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 110985 | 49.510 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 99.020% | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 81362 | 45.960 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 91.920% | | |
| 50) Toluene-d8 | 8.647 | 98 | 301761 | 49.450 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 98.900% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 101842 | 49.038 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 98.080% | | |

Target Compounds Qvalue

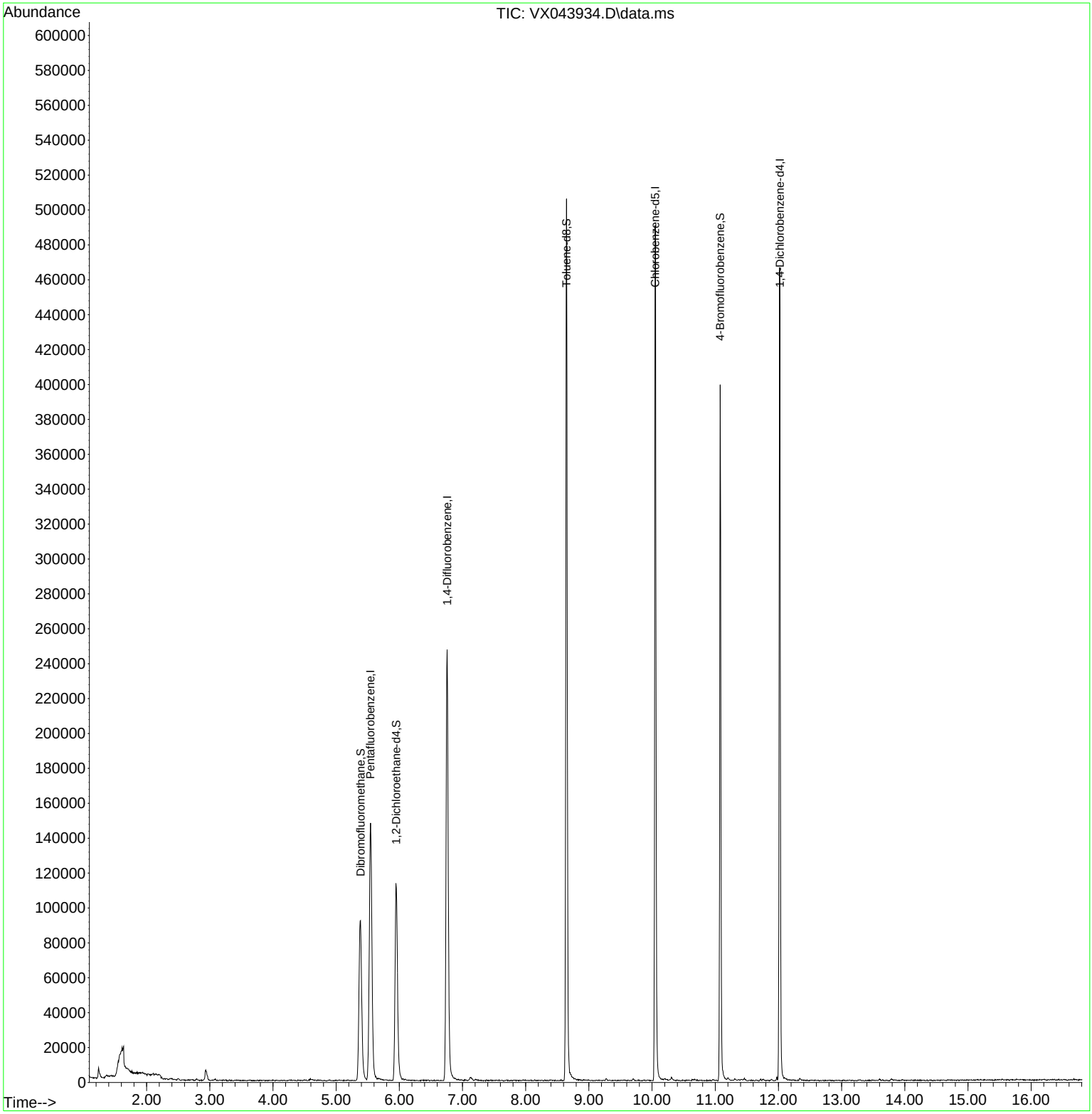
(#) = qualifier out of range (m) = manual integration (+) = signals summed

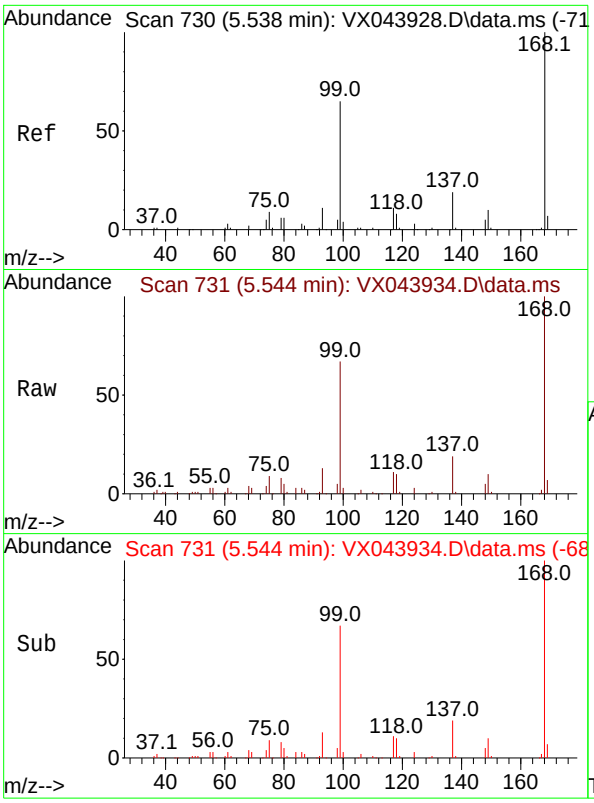
Sample Results: **VX043934.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Quant Time: Nov 22 03:58:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



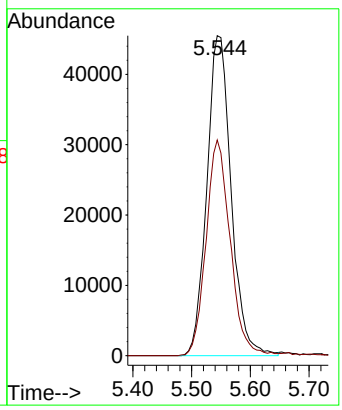


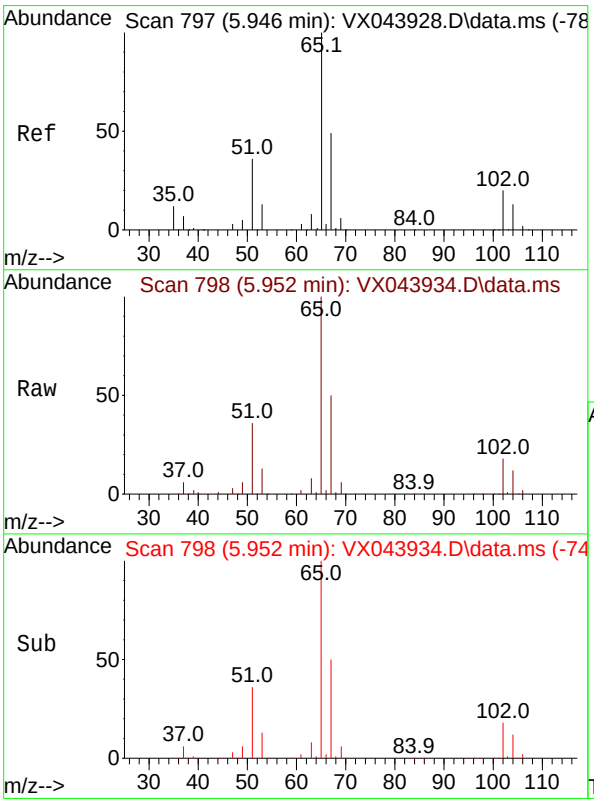

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Tgt Ion:168 Resp: 130697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.4 | 51.8 | 77.8 |

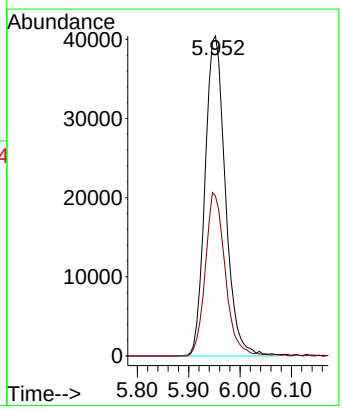


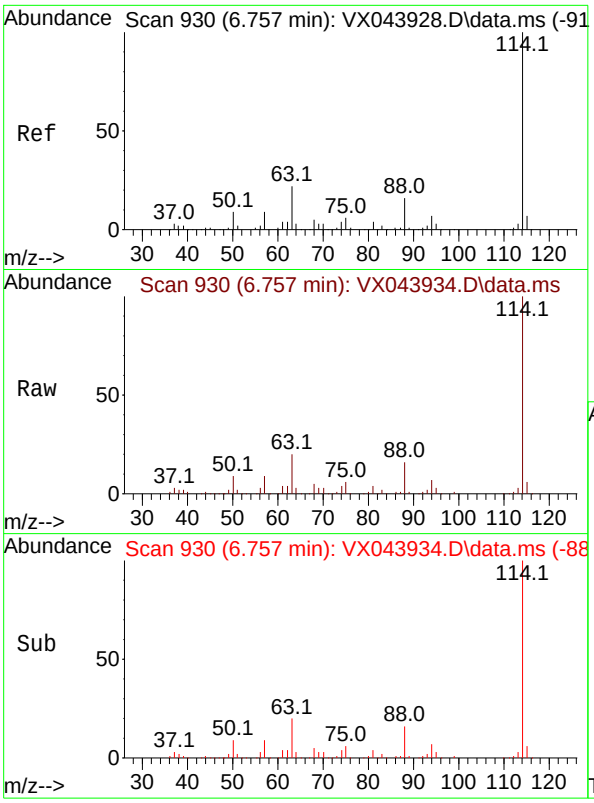




#33
1,2-Dichloroethane-d4
Concen: 49.510 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

Tgt Ion: 65 Resp: 110985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.2 | 0.0 | 100.8 |



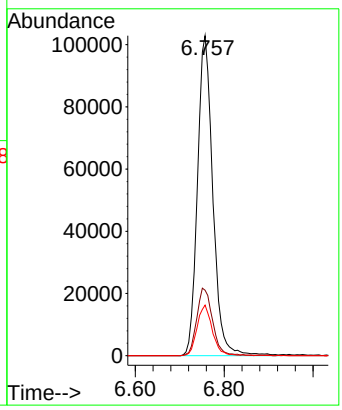


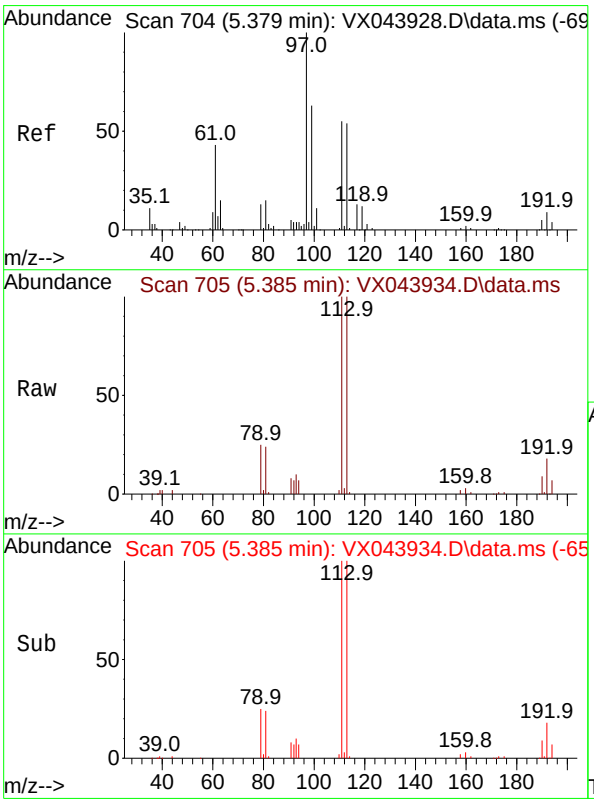

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Tgt Ion:114 Resp: 247747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.5 | 0.0 | 44.0 |
| 88 | 15.8 | 0.0 | 32.4 |

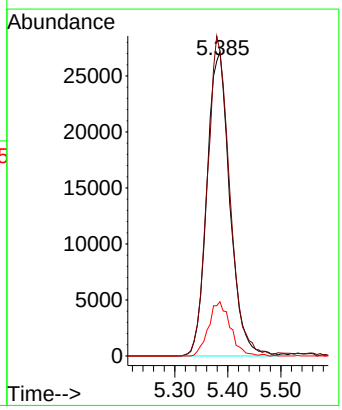


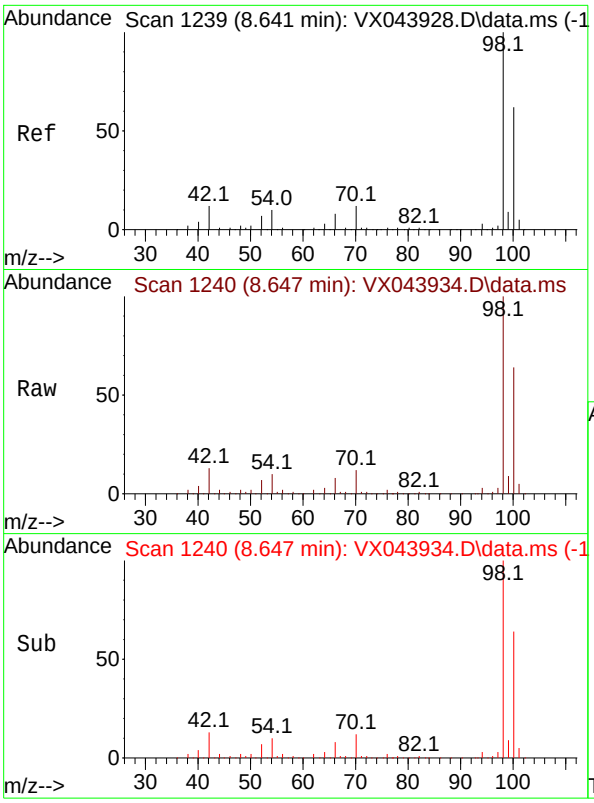




#35
Dibromofluoromethane
Concen: 45.960 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

Tgt Ion:113 Resp: 81362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 81.0 | 121.4 |
| 192 | 16.9 | 13.0 | 19.6 |



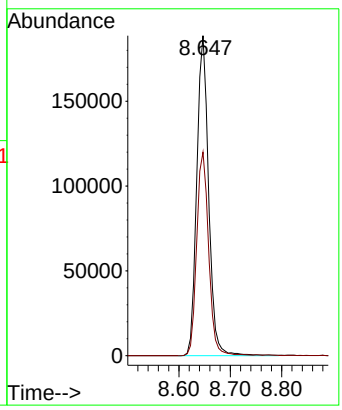


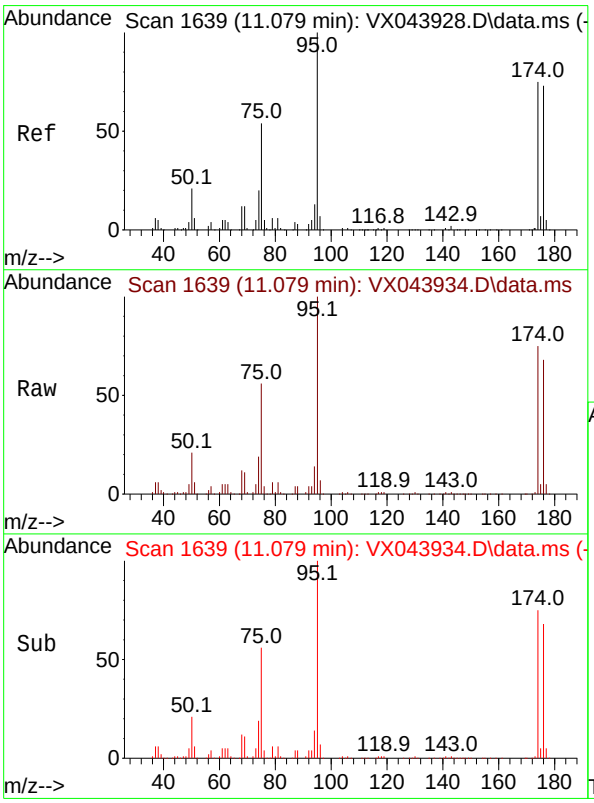

#50
Toluene-d8
Concen: 49.450 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Tgt Ion: 98 Resp: 301761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 52.6 | 79.0 |

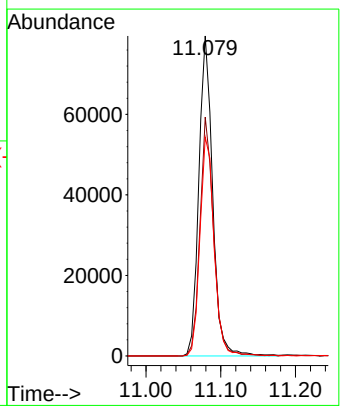


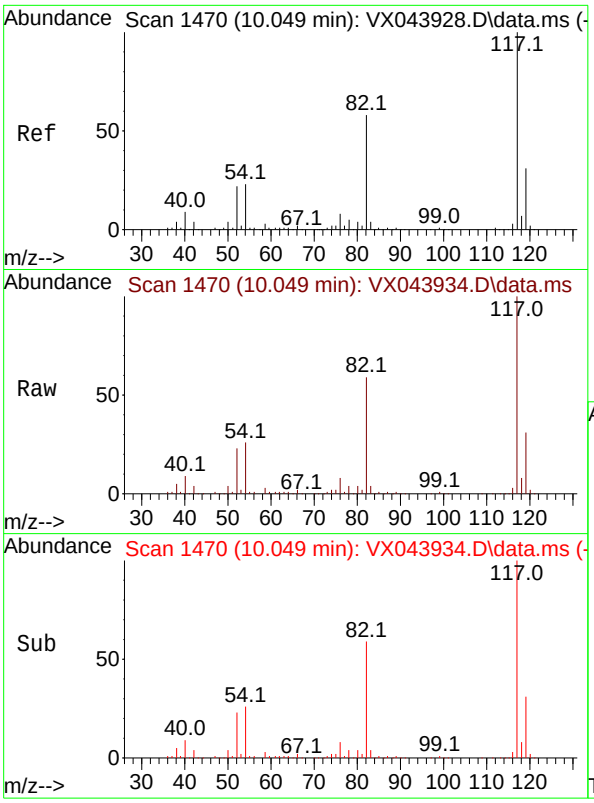




#62
4-Bromofluorobenzene
Concen: 49.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

Tgt Ion: 95 Resp: 101842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.7 | 0.0 | 150.4 |
| 176 | 70.2 | 0.0 | 146.0 |



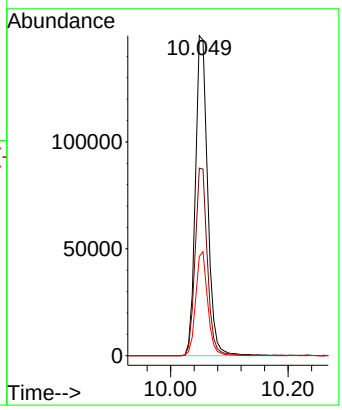


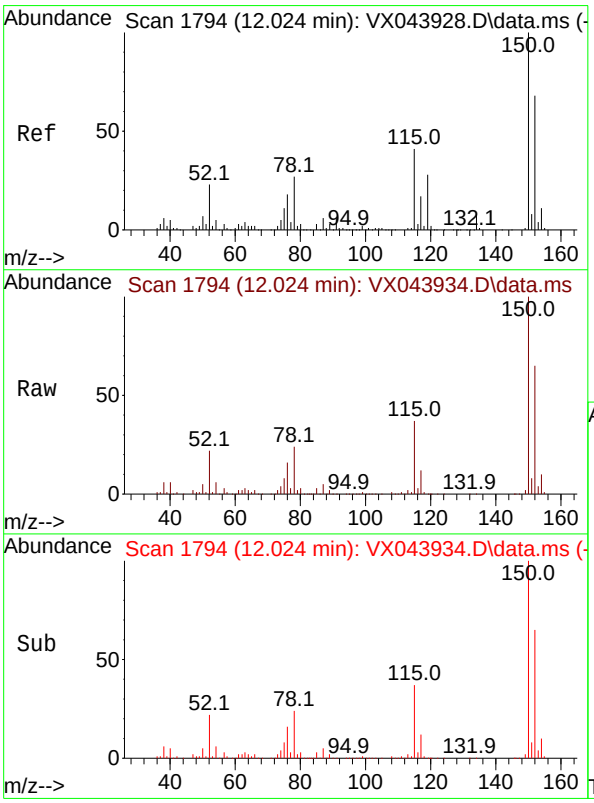

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Tgt Ion:117 Resp: 216577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.6 | 46.4 | 69.6 |
| 119 | 31.0 | 24.6 | 37.0 |

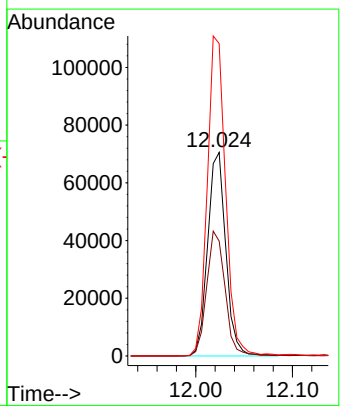



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043934.D
Acq: 21 Nov 2024 14:50

Tgt Ion:152 Resp: 92124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.8 | 45.4 | 136.2 |
| 150 | 157.8 | 0.0 | 353.0 |



Sample Results: **VX043934.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043934.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 20 | 25 | 32 | rBV2 | 6217 | 11108 | 1.36% | 0.259% |
| 2 | 2.934 | 296 | 303 | 315 | rVB3 | 6119 | 14268 | 1.75% | 0.333% |
| 3 | 5.385 | 691 | 705 | 721 | rBV | 91742 | 279268 | 34.20% | 6.515% |
| 4 | 5.544 | 721 | 731 | 744 | rBV | 147166 | 422305 | 51.72% | 9.852% |
| 5 | 5.946 | 789 | 797 | 813 | rBV | 113008 | 305698 | 37.44% | 7.132% |
| 6 | 6.757 | 921 | 930 | 948 | rBV | 246987 | 600181 | 73.51% | 14.002% |
| 7 | 8.647 | 1233 | 1240 | 1251 | rBV | 505387 | 816471 | 100.00% | 19.048% |
| 8 | 10.049 | 1465 | 1470 | 1485 | rBV | 490063 | 711526 | 87.15% | 16.600% |
| 9 | 11.079 | 1633 | 1639 | 1653 | rBV | 398979 | 517110 | 63.33% | 12.064% |
| 10 | 12.018 | 1788 | 1793 | 1804 | rBV | 465515 | 608421 | 74.52% | 14.194% |

Sum of corrected areas: 4286356

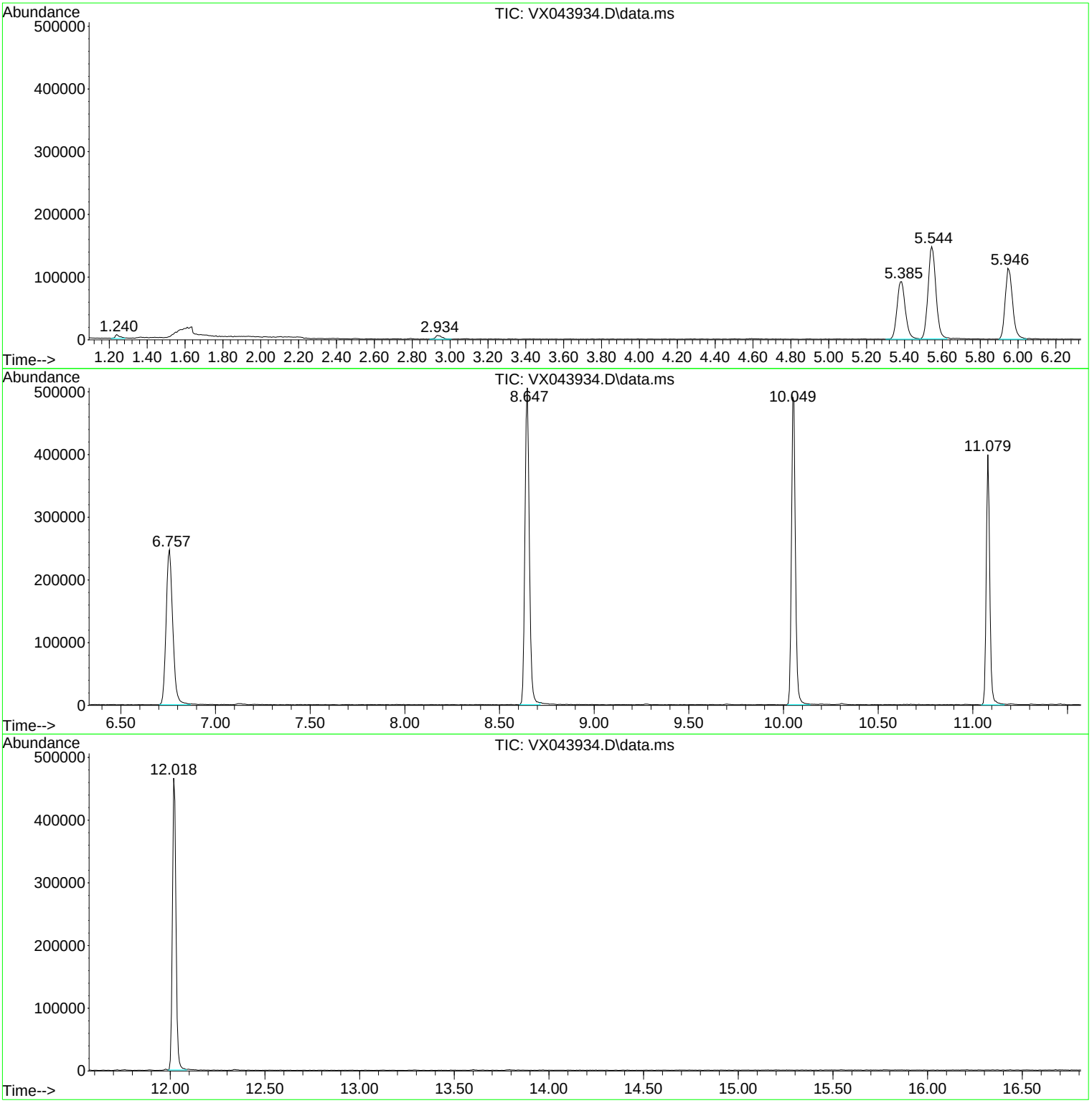
Sample Results: **VX043934.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VX043934.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043934.D
Acq On : 21 Nov 2024 14:50
Operator : JC/MD
Sample : VX1121WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043952.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1122WBL01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1122WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043952.D | 1 | | 11/22/24 12:13 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 0.50 | U | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.75 | U | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.75 | U | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.75 | U | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 2.50 | U | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043952.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1122WBL01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1122WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043952.D | 1 | | 11/22/24 12:13 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.7 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.6 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.7 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.9 | | 85 - 114 | | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 114000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 224000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 193000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 79800 | 12.018 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

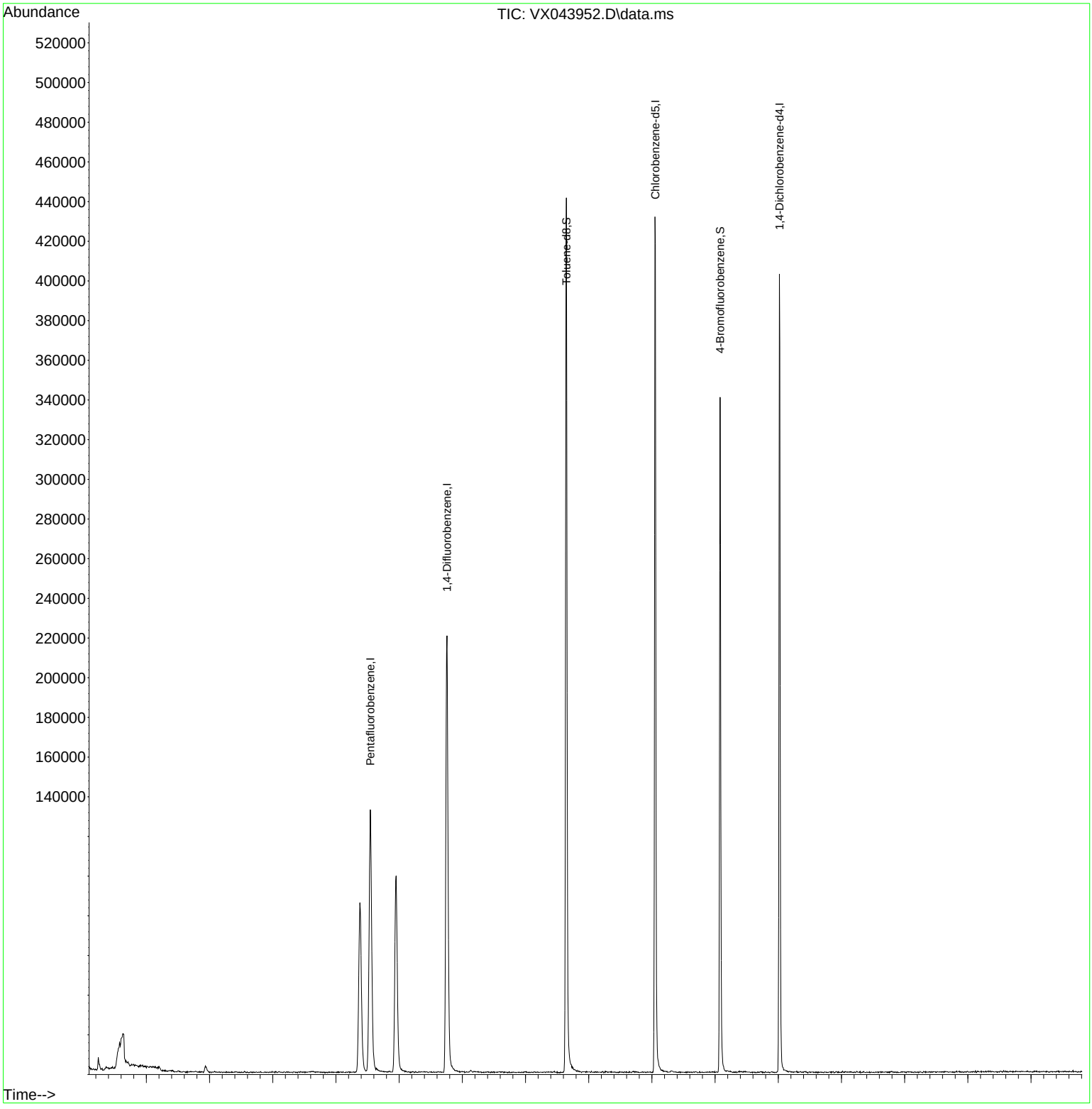
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 114313 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 223688 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 192949 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 79805 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 99473 | 50.734 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.460% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 74511 | 46.617 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.240% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 268134 | 48.666 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 97.340% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 89774 | 47.877 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.760% | | | |
| Target Compounds | | | | | | Qvalue |

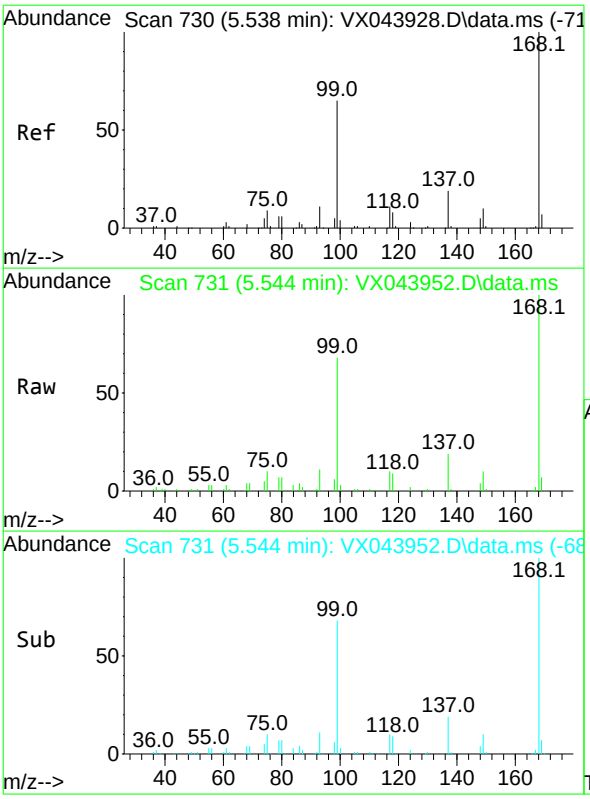
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



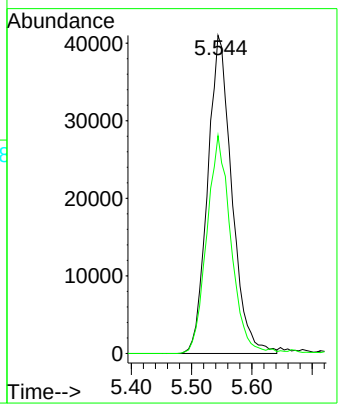


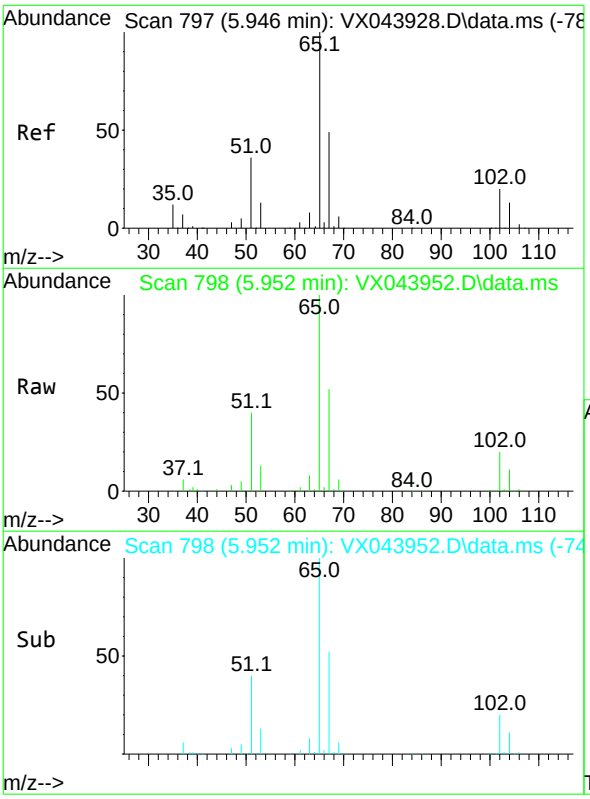

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Tgt Ion:168 Resp: 114313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.5 | 51.8 | 77.8 |

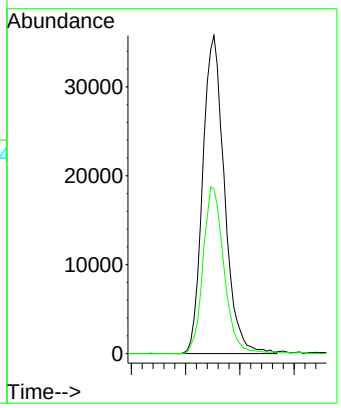


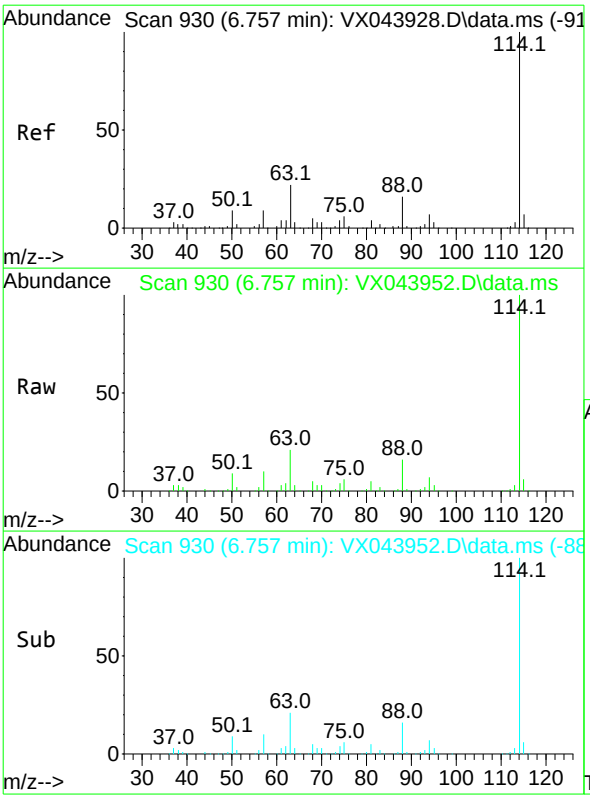




#33
1,2-Dichloroethane-d4
Concen: 50.734 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 65 Resp: 99473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 100.8 |



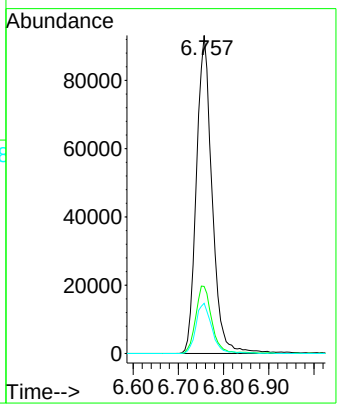


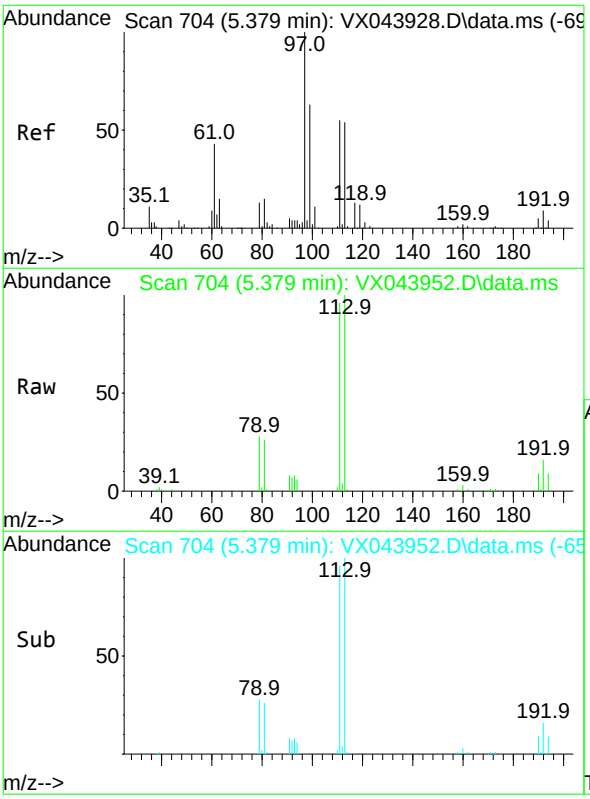

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 93
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Tgt Ion:114 Resp: 223688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.0 |
| 88 | 15.8 | 0.0 | 32.4 |

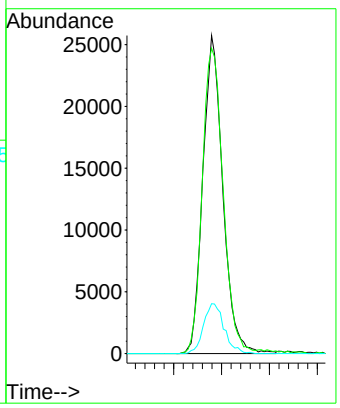


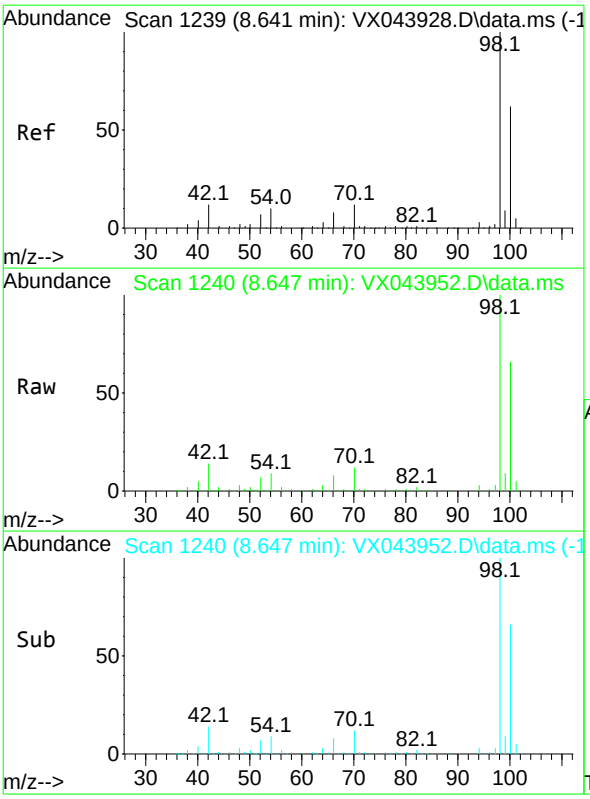




#35
Dibromofluoromethane
Concen: 46.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:113 Resp: 74511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.3 | 81.0 | 121.4 |
| 192 | 16.2 | 13.0 | 19.6 |



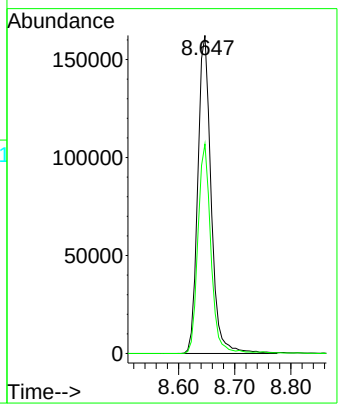


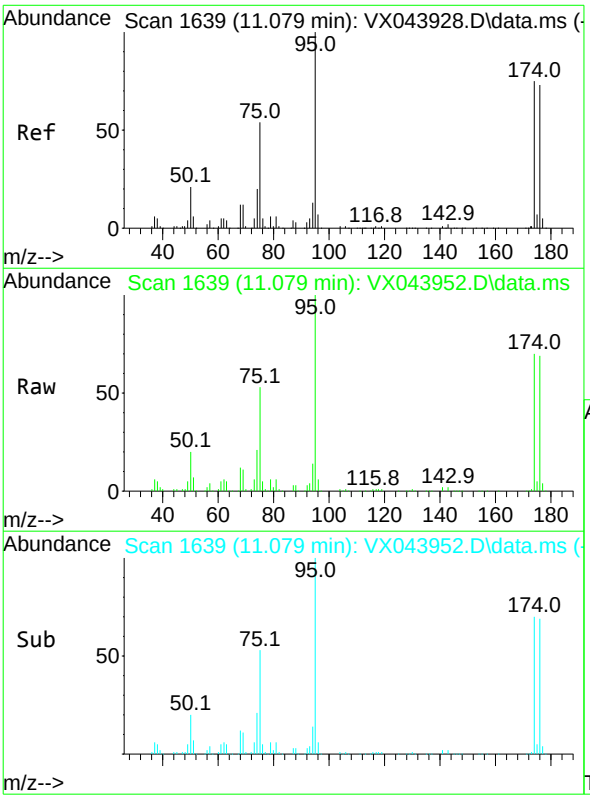

#50
Toluene-d8
Concen: 48.666 ug/l
RT: 8.647 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Tgt Ion: 98 Resp: 268134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.9 | 52.6 | 79.0 |

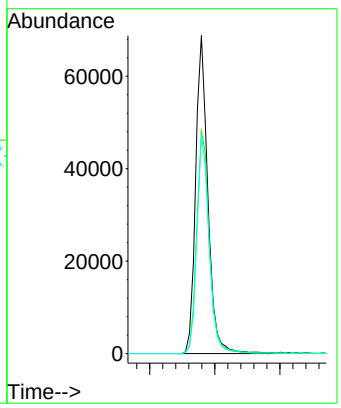


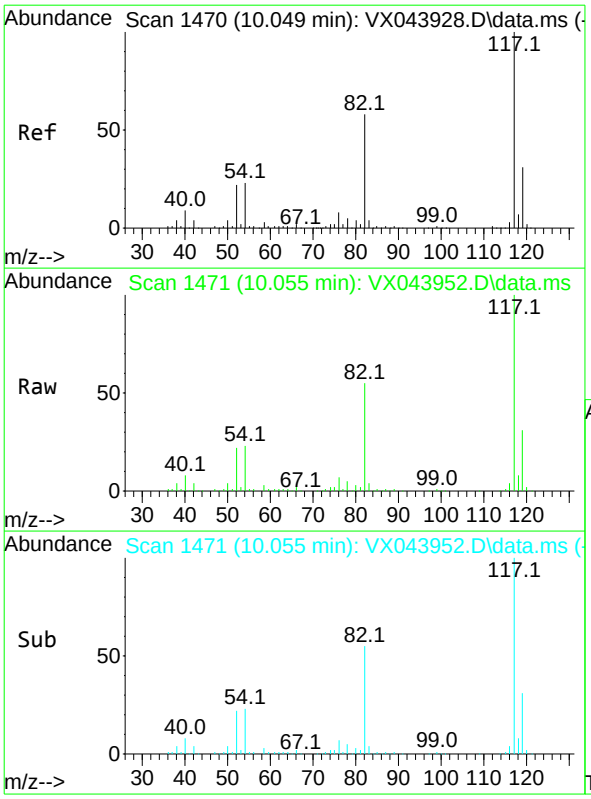




#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion: 95 Resp: 89774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.3 | 0.0 | 150.4 |
| 176 | 68.7 | 0.0 | 146.0 |



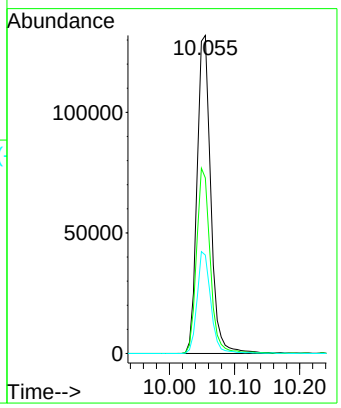


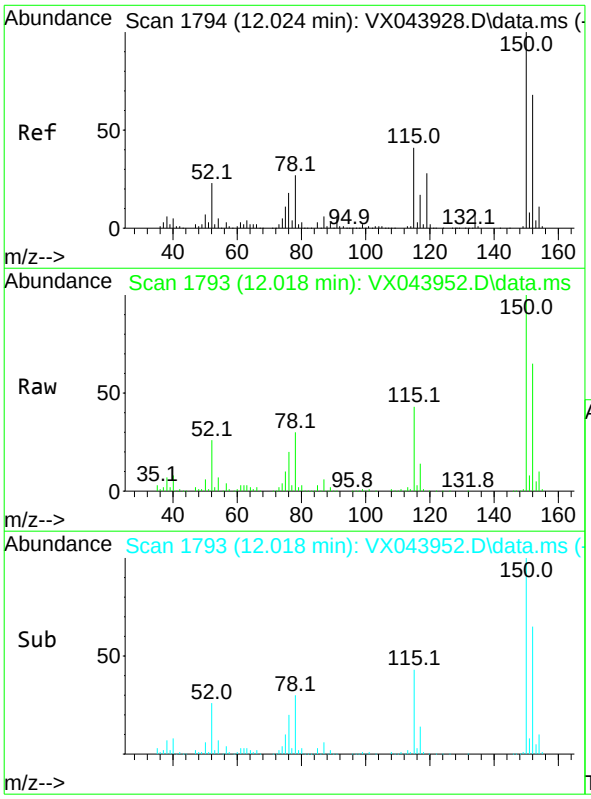

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Tgt Ion:117 Resp: 192949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 46.4 | 69.6 |
| 119 | 30.9 | 24.6 | 37.0 |

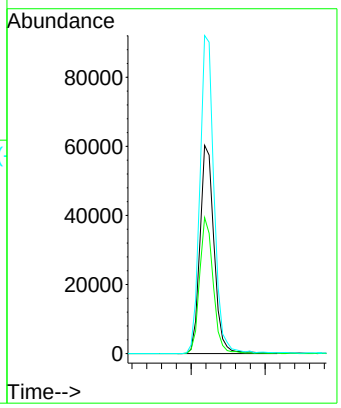



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043952.D
Acq: 22 Nov 2024 12:13

Tgt Ion:152 Resp: 79805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.1 | 45.4 | 136.2 |
| 150 | 153.0 | 0.0 | 353.0 |



Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Title : SW846 8260

Signal : TIC: VX043952.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.240 | 21 | 25 | 32 | rBV2 | 6426 | 9591 | 1.30% | 0.249% |
| 2 | 1.575 | 68 | 80 | 82 | rBV5 | 12994 | 37633 | 5.12% | 0.978% |
| 3 | 1.630 | 82 | 89 | 90 | rVV7 | 6335 | 13526 | 1.84% | 0.351% |
| 4 | 2.934 | 298 | 303 | 312 | rBV5 | 3365 | 7995 | 1.09% | 0.208% |
| 5 | 5.379 | 693 | 704 | 720 | rBV | 85484 | 251825 | 34.24% | 6.541% |
| 6 | 5.544 | 720 | 731 | 745 | rBV | 131765 | 372015 | 50.59% | 9.663% |
| 7 | 5.952 | 788 | 798 | 814 | rBV | 98932 | 272636 | 37.07% | 7.082% |
| 8 | 6.757 | 921 | 930 | 947 | rBV | 220196 | 542645 | 73.79% | 14.095% |
| 9 | 8.647 | 1232 | 1240 | 1256 | rBV | 440874 | 735413 | 100.00% | 19.102% |
| 10 | 10.049 | 1465 | 1470 | 1486 | rBV | 431158 | 631770 | 85.91% | 16.410% |
| 11 | 11.079 | 1633 | 1639 | 1653 | rBV | 340236 | 450230 | 61.22% | 11.695% |
| 12 | 12.018 | 1788 | 1793 | 1804 | rBV | 402125 | 524551 | 71.33% | 13.625% |

Sum of corrected areas: 3849830

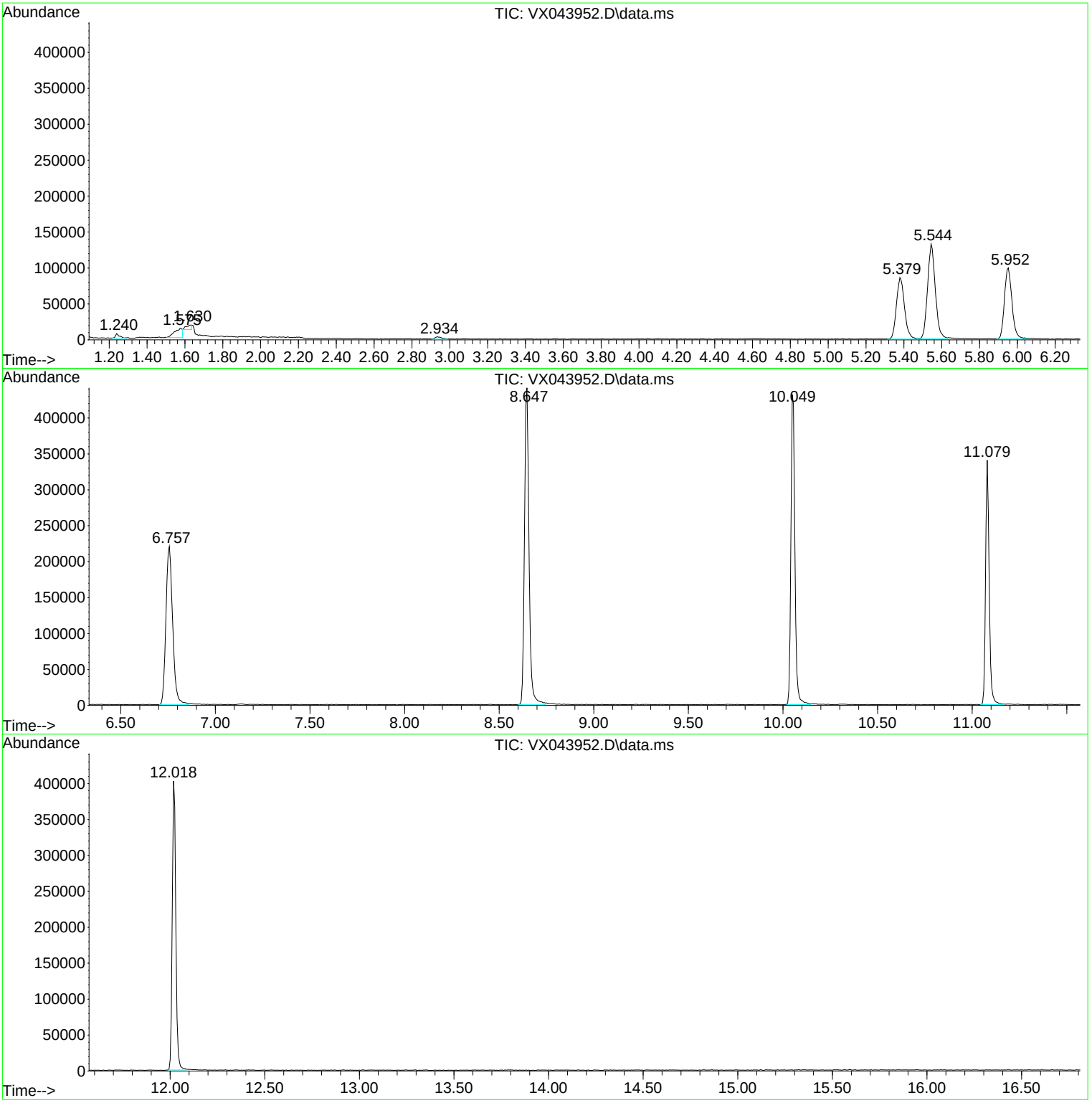
Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VX043952.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043952.D
Acq On : 22 Nov 2024 12:13
Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |

Raw Data: **VX043935.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1121WBS01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1121WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043935.D | 1 | | 11/21/24 15:13 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 19.4 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.5 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.7 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 20.7 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 17.3 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 17.9 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 90.6 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.2 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 19.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.6 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 19.7 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 95.6 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 17.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 18.9 | | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.1 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 16.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 18.4 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 15.5 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.1 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 93.9 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 18.9 | | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 18.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 18.2 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 93.9 | | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043935.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1121WBS01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1121WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043935.D | 1 | | 11/21/24 15:13 | VX112124 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 17.5 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 17.7 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 17.6 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 37.3 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 18.8 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 18.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 16.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 18.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.9 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 17.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.7 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 18.0 | | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.8 | | 81 - 118 | | 102% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.8 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.3 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.5 | | 85 - 114 | | 97% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 143000 | 5.543 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 267000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 228000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 104000 | 12.024 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 142766 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 267012 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 228045 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 103776 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 124276 | 50.752 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.500% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 91160 | 47.779 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.560% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 317933 | 48.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.680% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 108557 | 48.500 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.000% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 31644 | 17.496 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 36847 | 19.360 | ug/l | 99 |
| 4) Vinyl Chloride | 1.373 | 62 | 37415 | 18.482 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 23252 | 18.671 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 25511 | 20.682 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 62526 | 17.276 | ug/l | 96 |
| 8) Diethyl Ether | 2.135 | 74 | 24824 | 18.818 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 30361 | 17.586 | ug/l | 97 |
| 10) Methyl Iodide | 2.440 | 142 | 40203 | 18.646 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.989 | 59 | 38906 | 98.988 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29503 | 17.934 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 42291 | 102.084 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 51021 | 18.981 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 92560 | 96.638 | ug/l | 100 |
| 16) Acetone | 2.385 | 43 | 101855 | 90.565 | ug/l | 97 |
| 17) Carbon Disulfide | 2.501 | 76 | 58275 | 17.173 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 49216 | 18.791 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 115740 | 19.376 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35446 | 18.572 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 31372 | 18.471 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 111101 | 19.329 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 476192 | 96.846 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 65402 | 19.724 | ug/l | 96 |
| 25) 2-Butanone | 4.568 | 43 | 138662 | 95.552 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 56366 | 18.822 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39708 | 18.914 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 31107 | 21.312 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 84978 | 95.518 | ug/l | 100 |
| 30) Chloroform | 5.092 | 83 | 68049 | 19.081 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 49603 | 18.175 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 58005 | 18.860 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 42738 | 17.976 | ug/l | 97 |
| 37) Ethyl Acetate | 4.714 | 43 | 53303 | 18.061 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 45524 | 17.041 | ug/l | 92 |
| 39) Methylcyclohexane | 7.372 | 83 | 52337 | 16.945 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 135924 | 18.354 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 27866 | 18.448 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 54631 | 18.367 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 86117 | 18.335 | ug/l | | 100 |
| 44) Trichloroethene | 7.122 | 130 | 32553 | 15.527 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33732 | 18.597 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26570 | 18.518 | ug/l | | 96 |
| 47) Bromodichloromethane | 7.817 | 83 | 46576 | 18.099 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.695 | 41 | 41342 | 18.344 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 12789 | 318.568 | ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 269146 | 93.903 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 83929 | 18.934 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 47377 | 18.054 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 52751 | 18.337 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.146 | 97 | 33370 | 18.237 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 54635 | 19.170 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 58840 | 19.090 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 123798 | 78.637 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 202359 | 93.932 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 32200 | 17.540 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 35312 | 19.086 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.274 | 164 | 26574 | 17.672 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 88135 | 17.597 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 29197 | 17.975 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.195 | 91 | 156237 | 18.409 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 118047 | 37.298 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 58089 | 18.798 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 96289 | 18.840 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 18754 | 16.601 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 150482 | 18.864 | ug/l | | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 68384 | 18.505 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 51655 | 18.911 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 42416m | 18.638 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 35017 | 18.401 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 164560 | 18.470 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 104587 | 18.564 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 123757 | 18.857 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12998 | 15.585 | ug/l | | 88 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 117669 | 18.500 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 120497 | 18.524 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 123662 | 18.926 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 146684 | 18.404 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 123130 | 19.019 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 62139 | 17.929 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 62631 | 17.725 | ug/l | | 96 |
| 89) n-Butylbenzene | 12.329 | 91 | 103605 | 18.151 | ug/l | | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 18185 | 16.519 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 62963 | 18.001 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75 | 9349 | 17.082 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 34254 | 16.611 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14374 | 17.637 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 133553 | 17.992 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 36794 | 17.629 | ug/l | | 99 |

Sample Results: **VX043935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

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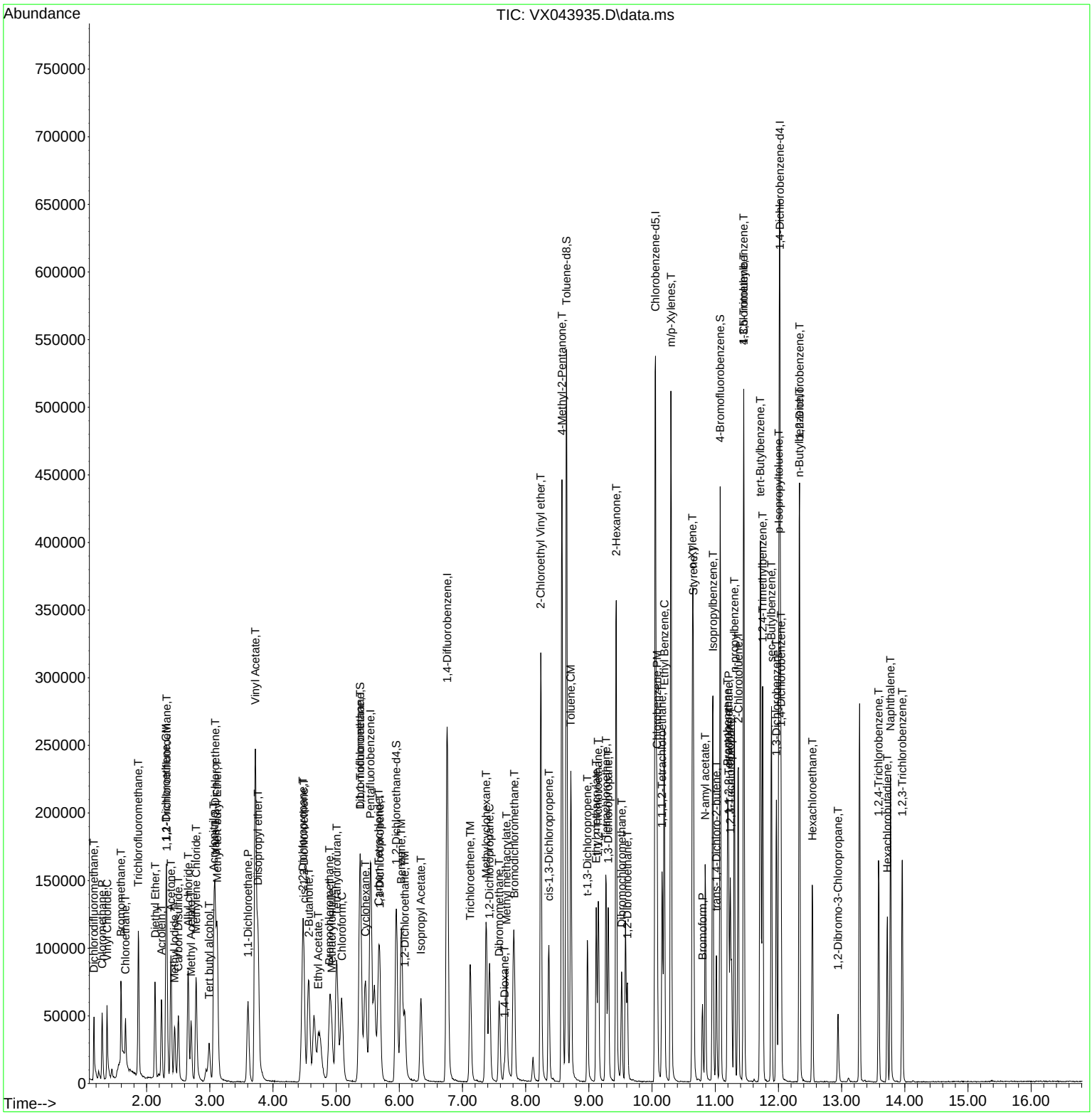
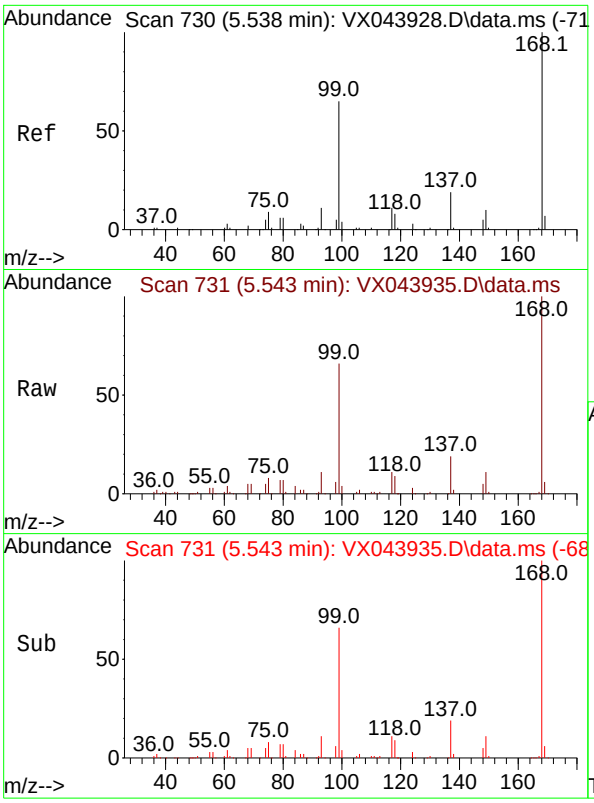
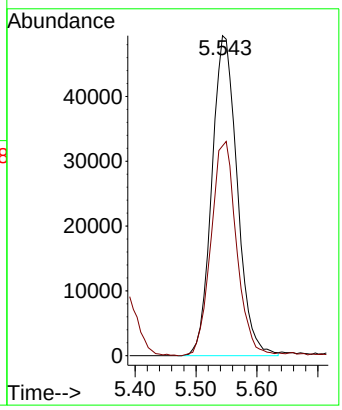





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:168 Resp: 14276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.5 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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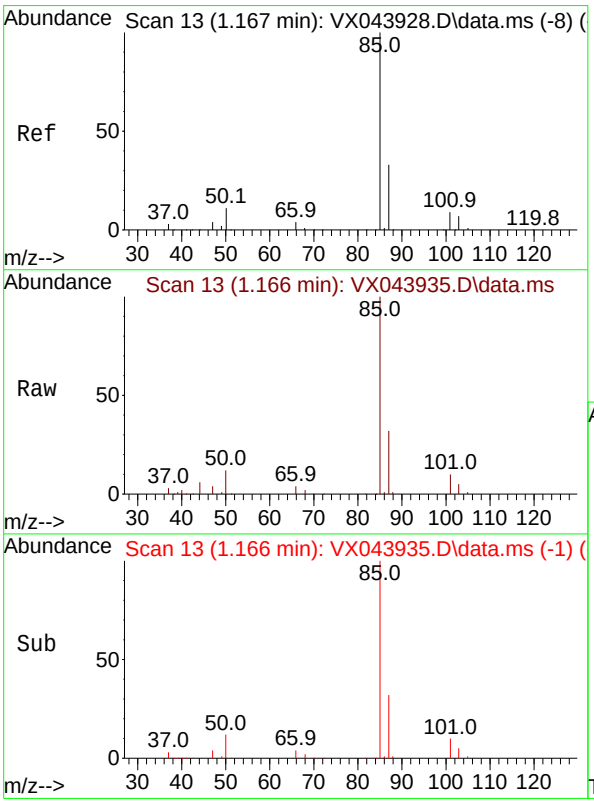
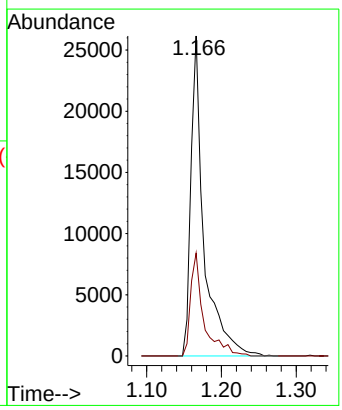
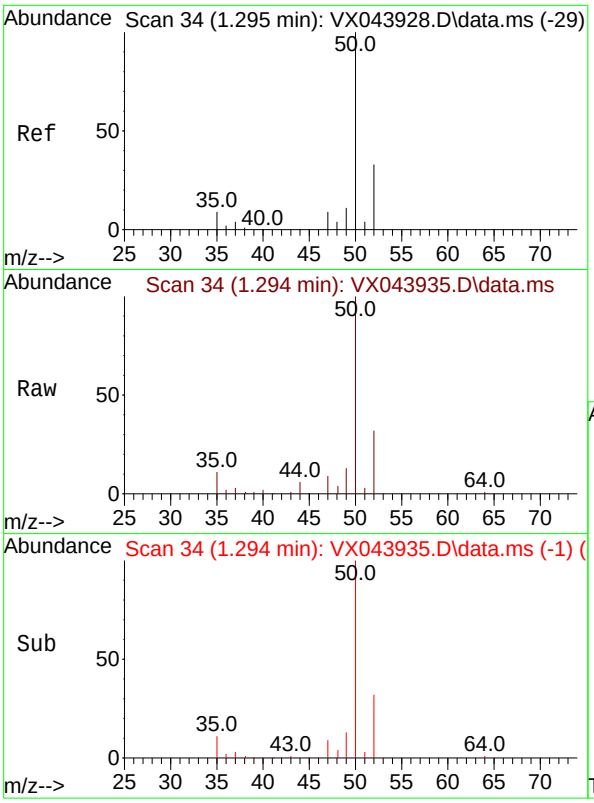



#2
Dichlorodifluoromethane
Concen: 17.496 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 85 Resp: 31644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.6 | 49.8 |

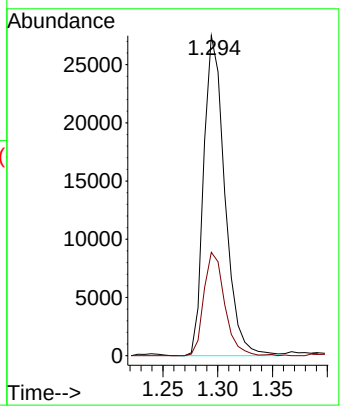





#3
Chloromethane
Concen: 19.360 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 50 Resp: 3684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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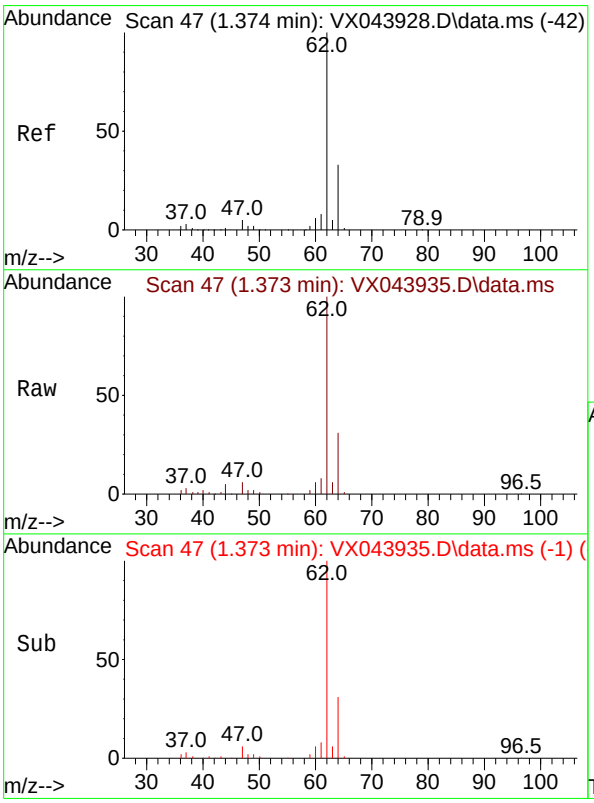
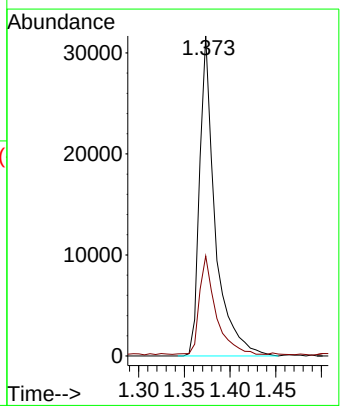
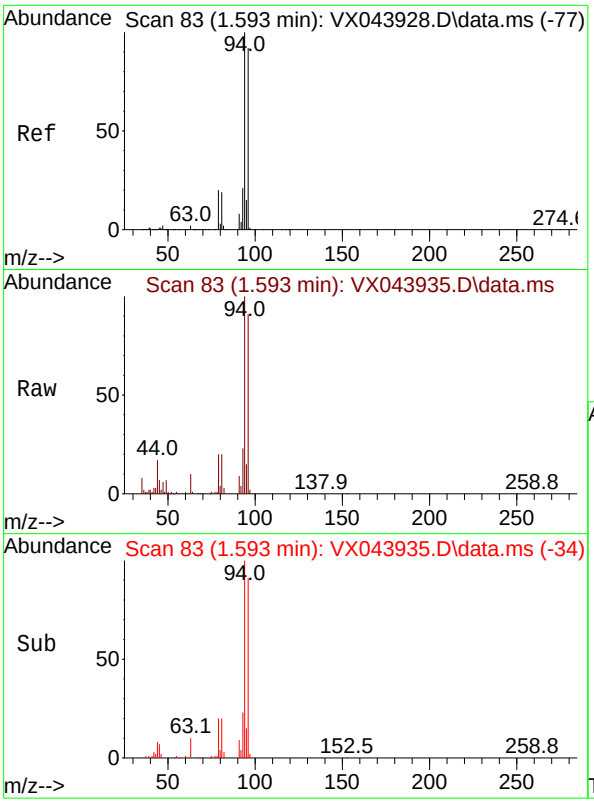



#4
Vinyl Chloride
Concen: 18.482 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 62 Resp: 37415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.7 | 26.2 | 39.4 |

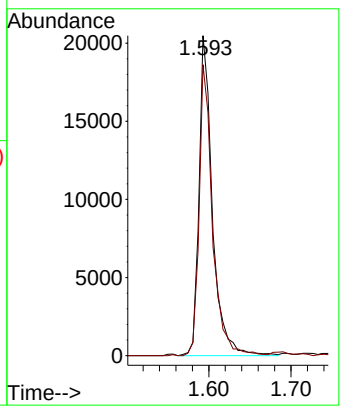





#5
Bromomethane
Concen: 18.671 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 94 Resp: 2325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.9 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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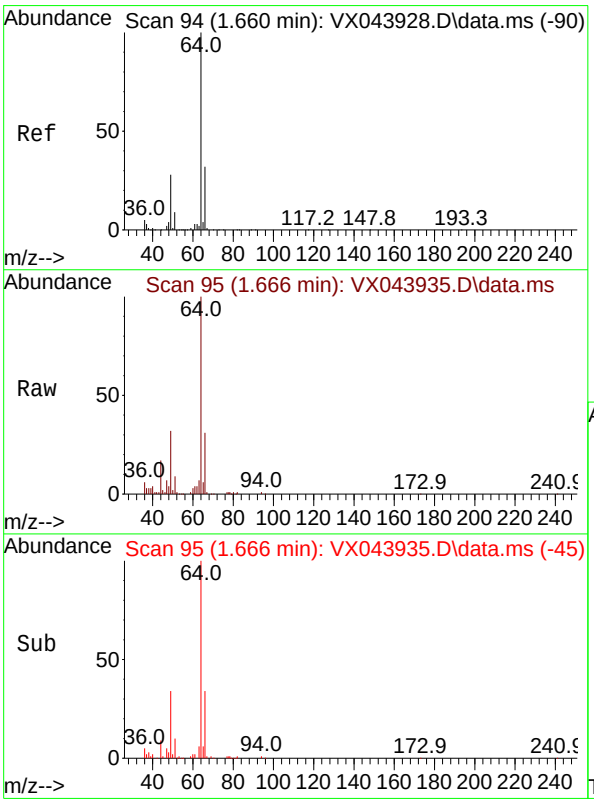
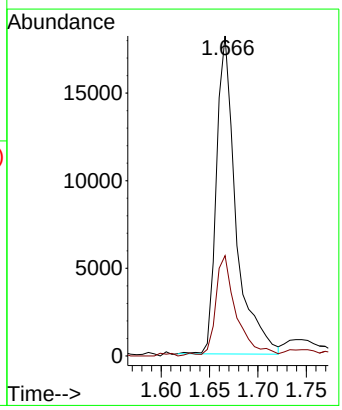
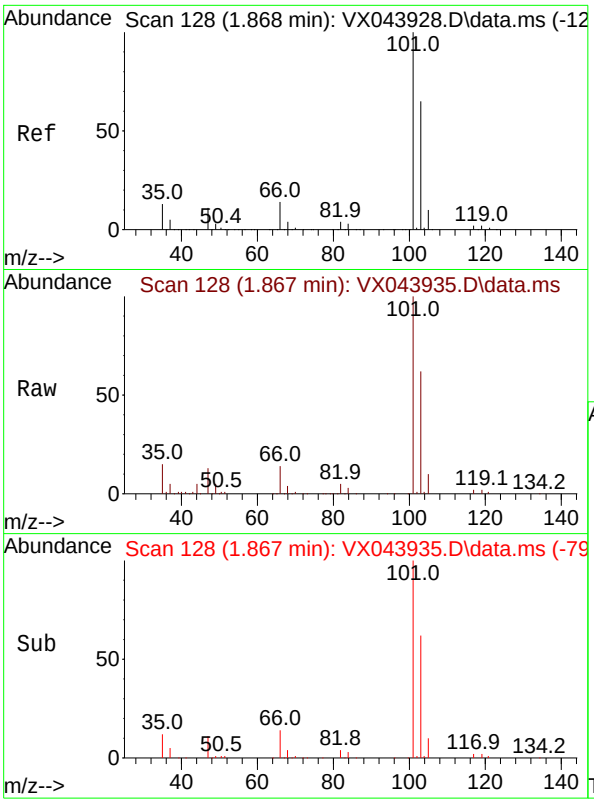



#6
Chloroethane
Concen: 20.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 64 Resp: 25511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 25.9 | 38.9 |

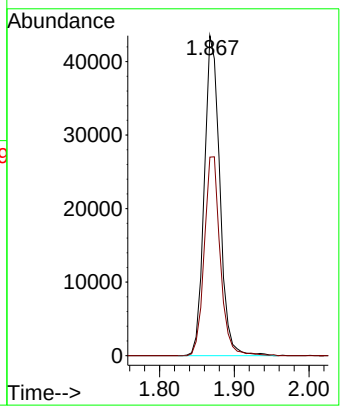





#7
Trichlorofluoromethane
Concen: 17.276 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:101 Resp: 6252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.0 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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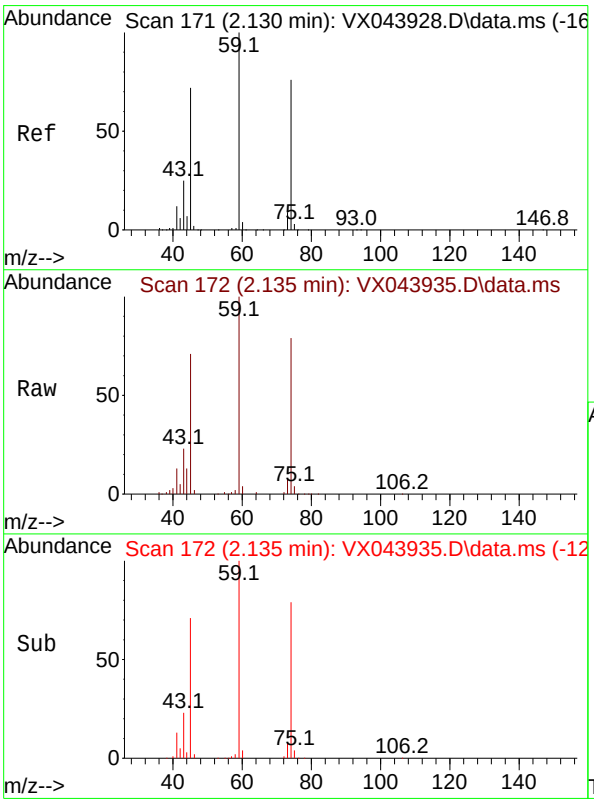
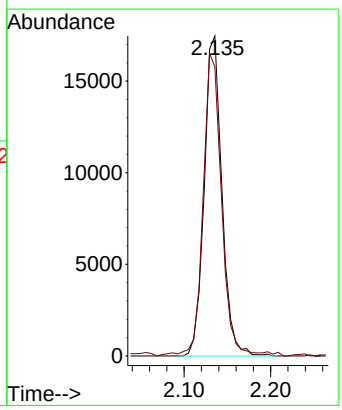
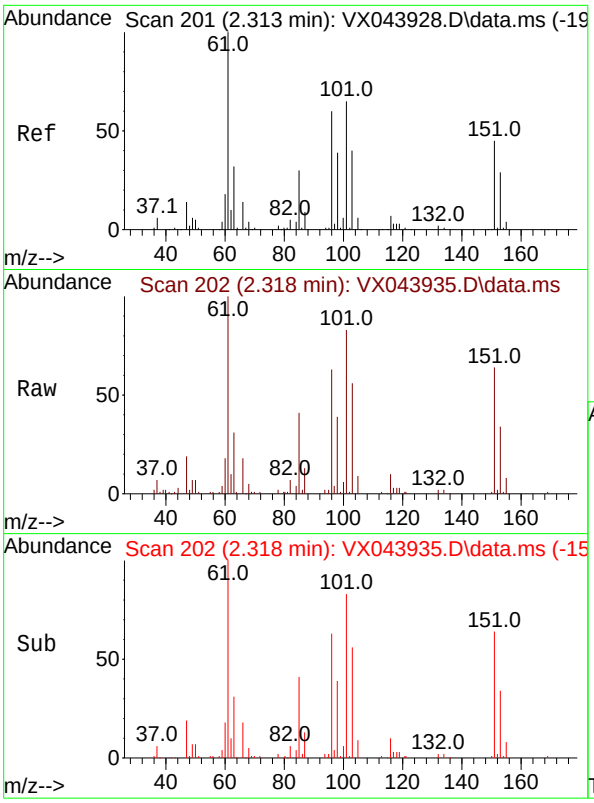



#8
Diethyl Ether
Concen: 18.818 ug/l
RT: 2.135 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 74 Resp: 24824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.586 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:101 Resp: 3036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.0 | 37.9 | 56.9 |
| 151 | 74.1 | 57.5 | 86.3 |

**Manual Integrations**
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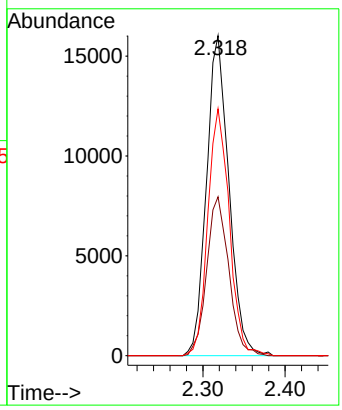
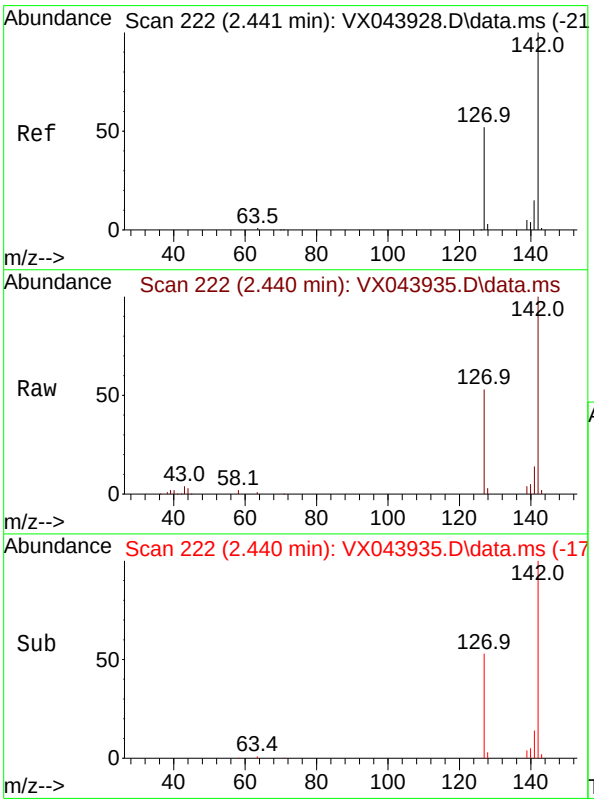
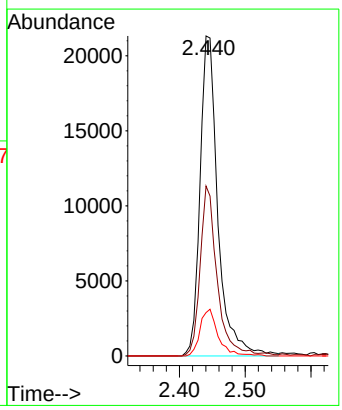


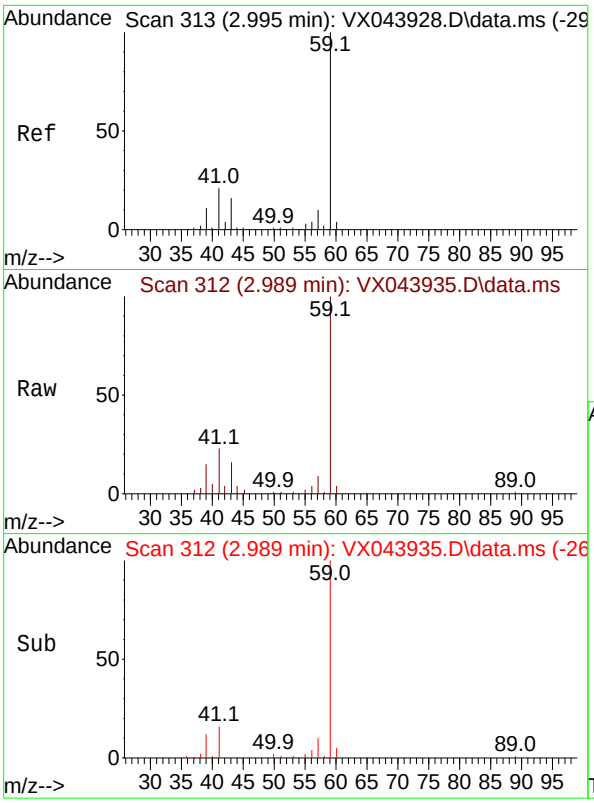




#10
Methyl Iodide
Concen: 18.646 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:142 Resp: 40203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.3 | 40.7 | 61.1 |
| 141 | 14.9 | 12.0 | 18.0 |






#11
Tert butyl alcohol
Concen: 98.988 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 59 Resp: 3890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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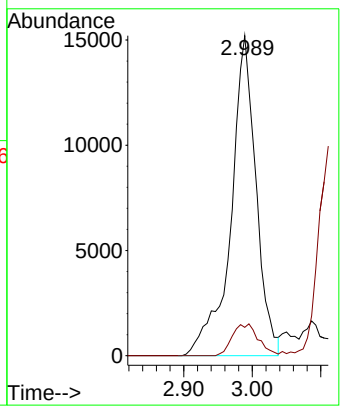
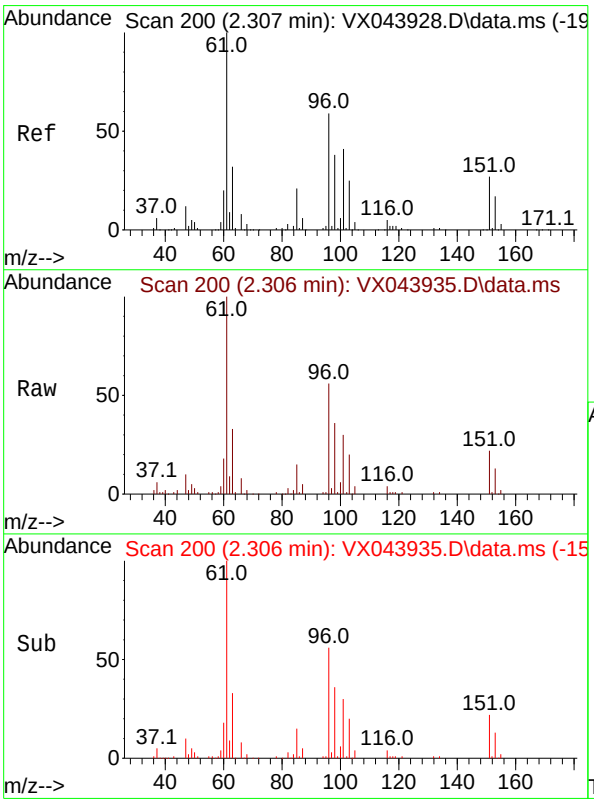
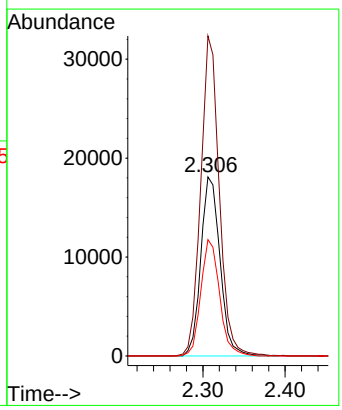


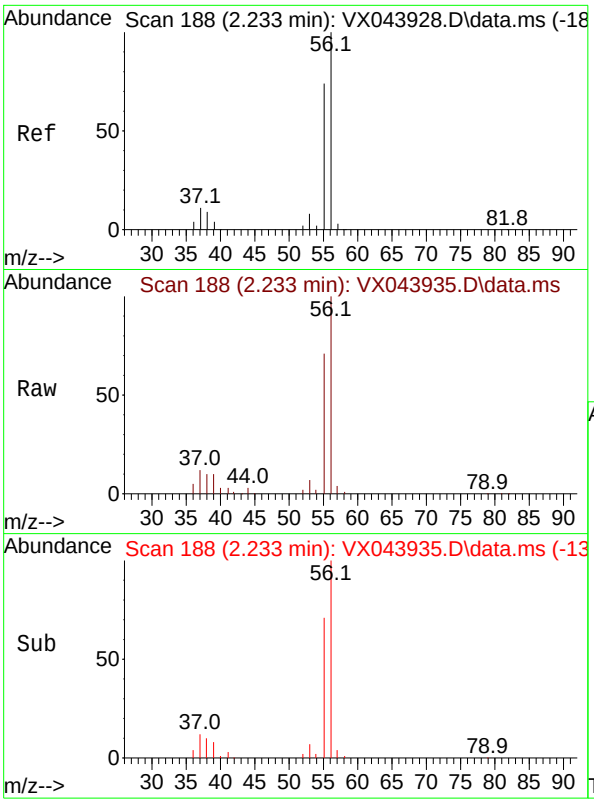




#12
1,1-Dichloroethene
Concen: 17.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 96 Resp: 29503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.5 | 135.5 | 203.3 |
| 98 | 64.9 | 50.8 | 76.2 |






#13
Acrolein
Concen: 102.084 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 56 Resp: 4229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.6 | 58.2 | 87.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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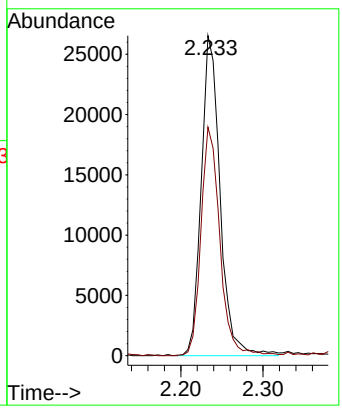
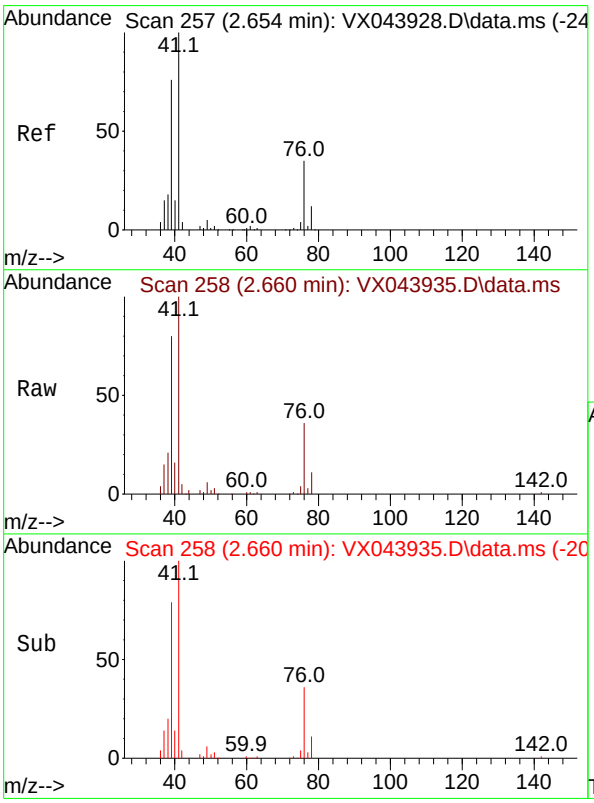
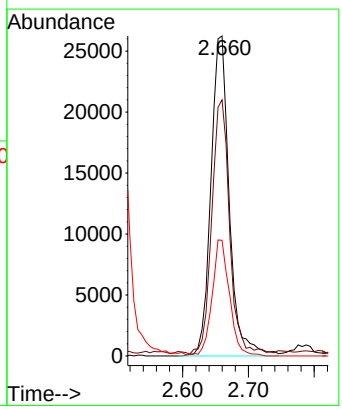


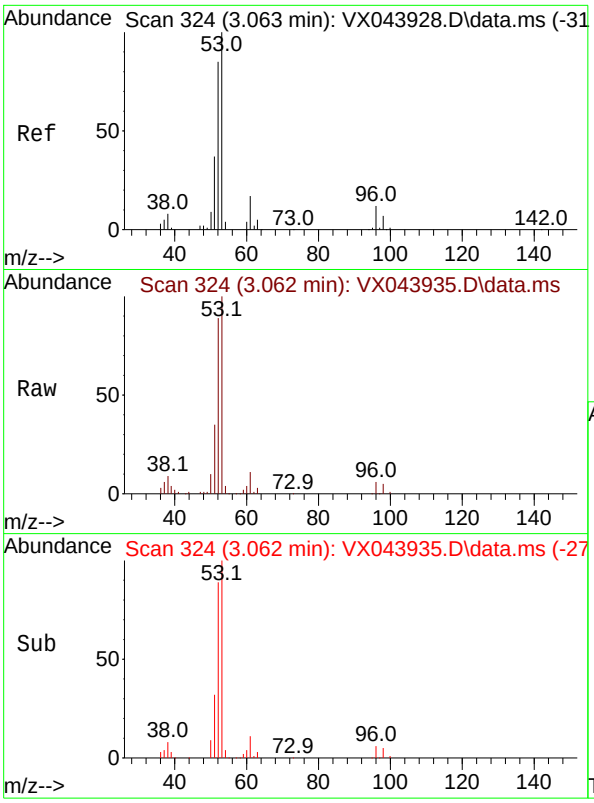




#14
Allyl chloride
Concen: 18.981 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 41 Resp: 51021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.3 | 27.4 | 41.2 |






#15
Acrylonitrile
Concen: 96.638 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 53 Resp: 9256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 66.5 | 99.7 |
| 51 | 37.0 | 30.2 | 45.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

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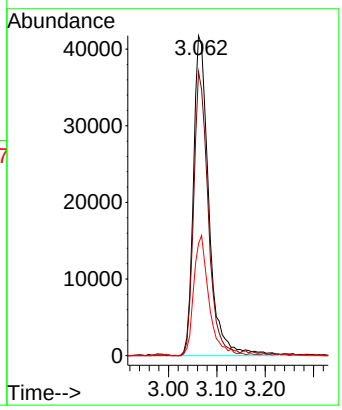
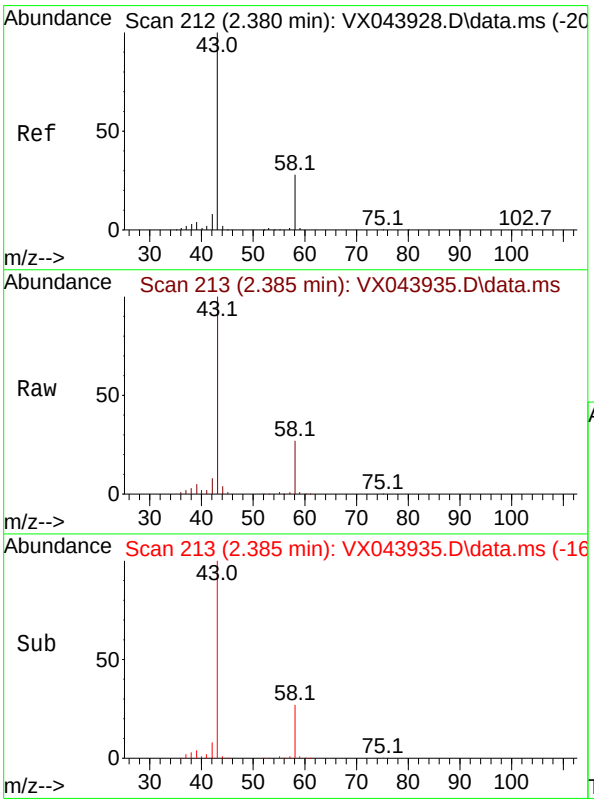
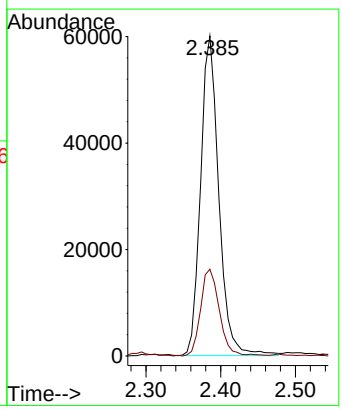


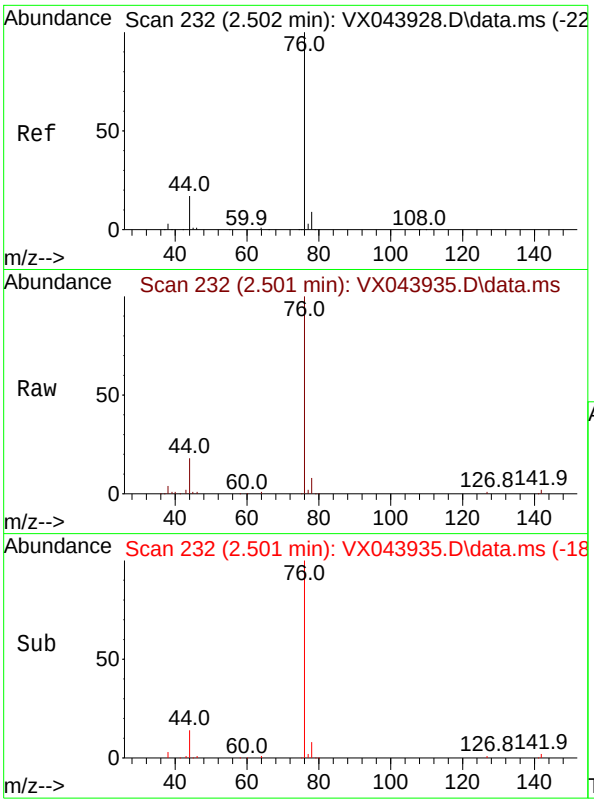




#16
Acetone
Concen: 90.565 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 101855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.9 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 17.173 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 76 Resp: 5827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.0 | 10.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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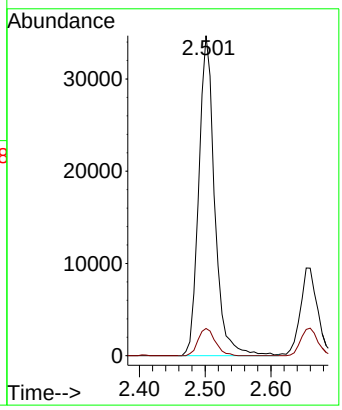
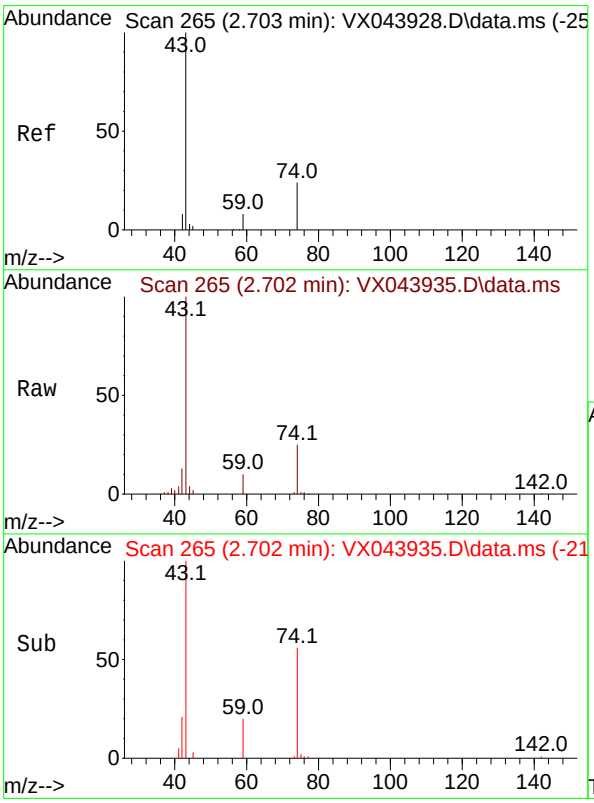
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

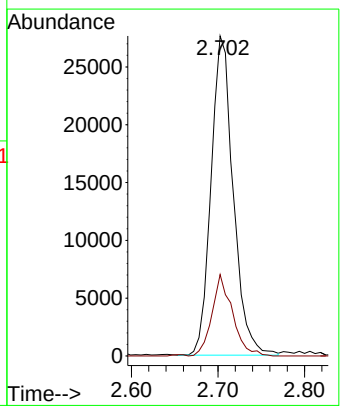


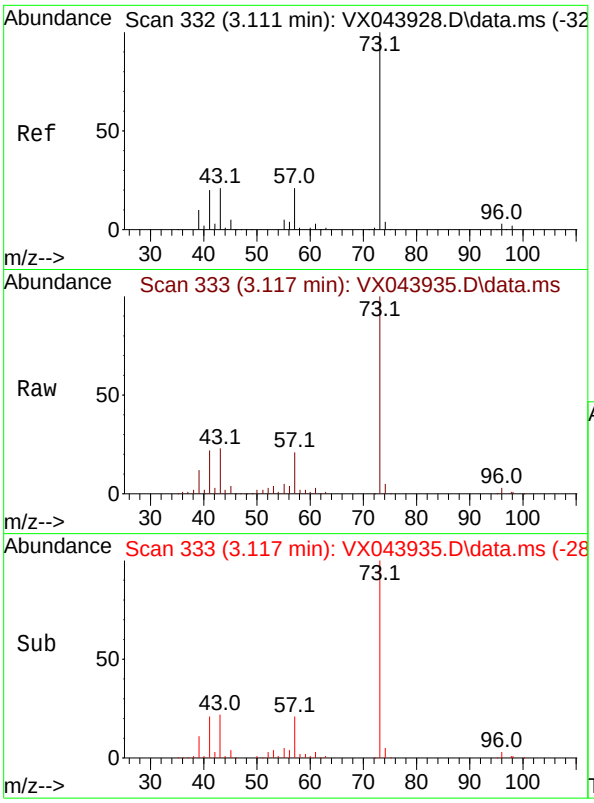




#18
Methyl Acetate
Concen: 18.791 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 49216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 18.9 | 28.3 |






#19
Methyl tert-butyl Ether
Concen: 19.376 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 73 Resp: 11574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.4 | 17.0 | 25.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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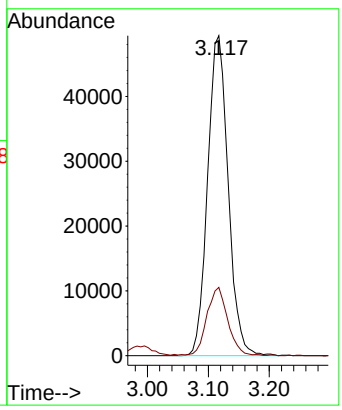
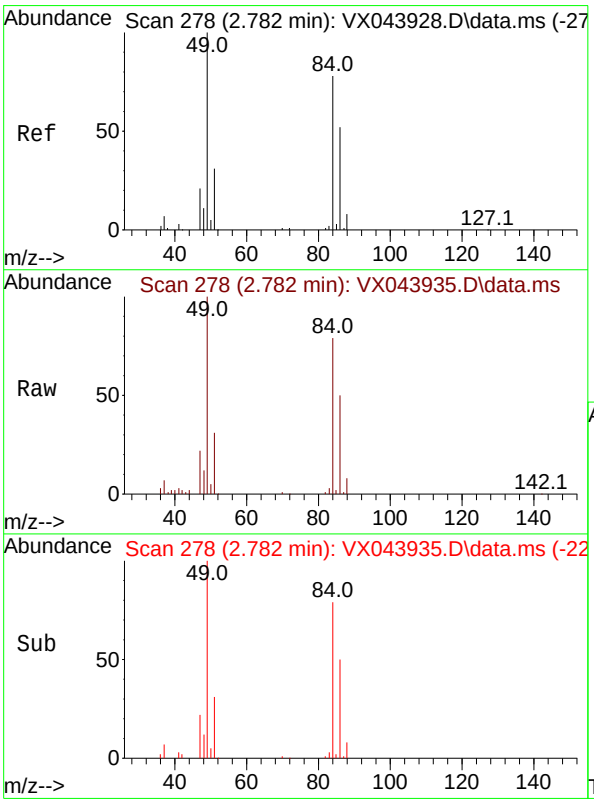
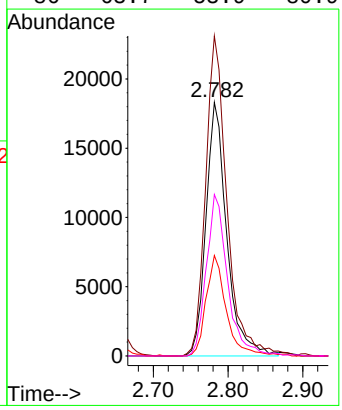


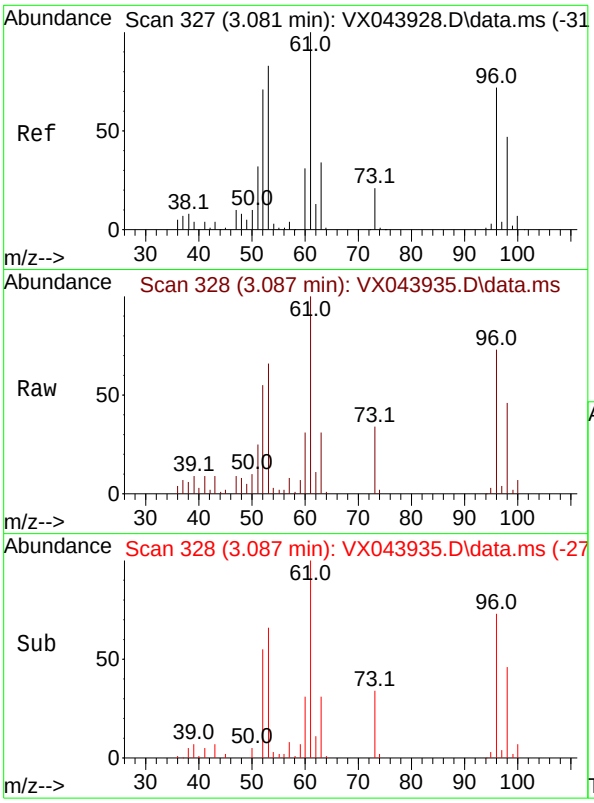




#20
Methylene Chloride
Concen: 18.572 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 84 Resp: 35446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.2 | 102.7 | 154.1 |
| 51 | 39.6 | 31.7 | 47.5 |
| 86 | 63.7 | 53.9 | 80.9 |

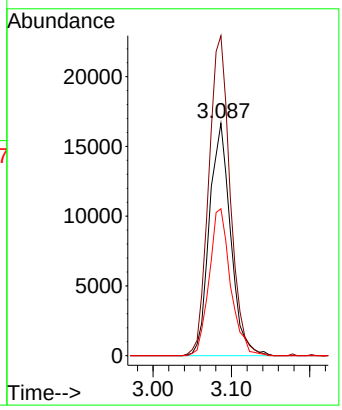





#21
trans-1,2-Dichloroethene
Concen: 18.471 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 96 Resp: 3137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.7 | 111.8 | 167.6 |
| 98 | 63.2 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

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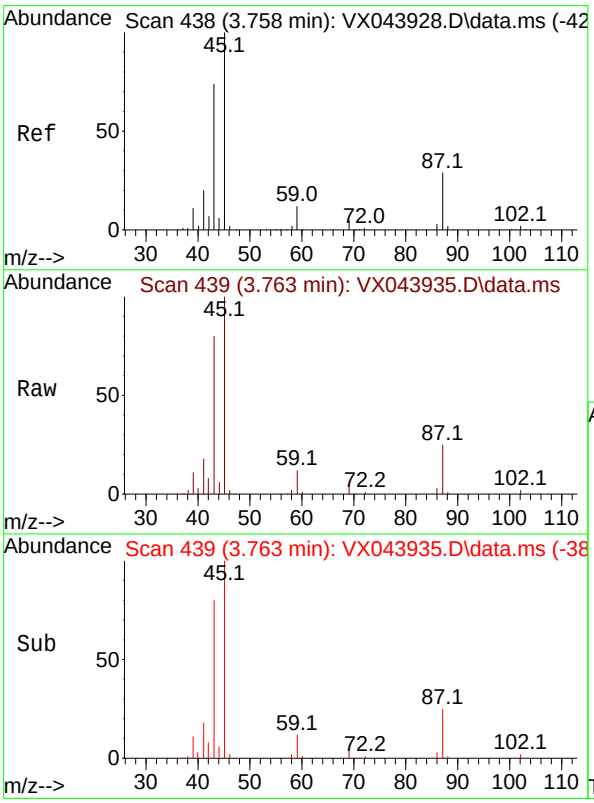
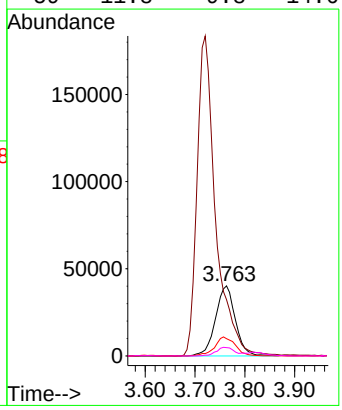
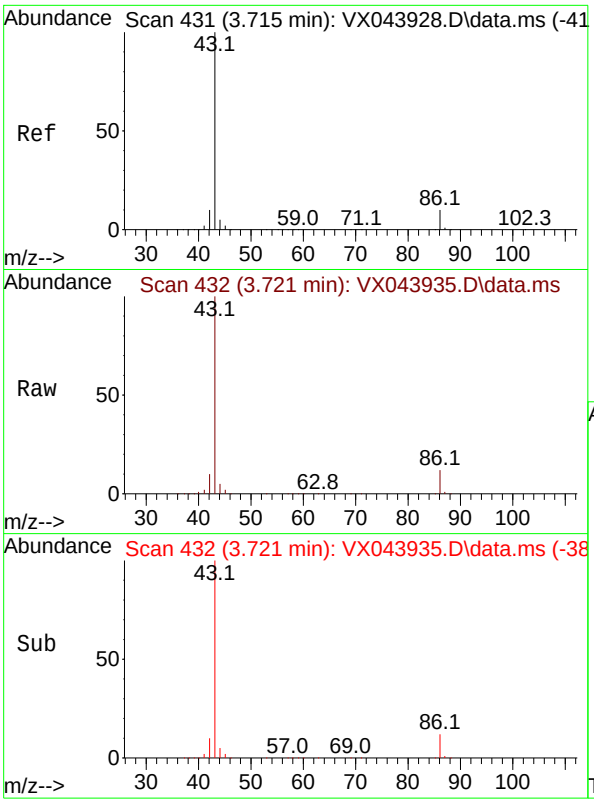



#22
Diisopropyl ether
Concen: 19.329 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 45 Resp: 111101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 80.4 | 59.6 | 89.4 |
| 87 | 24.5 | 22.9 | 34.3 |
| 59 | 11.8 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 96.846 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 47619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.5 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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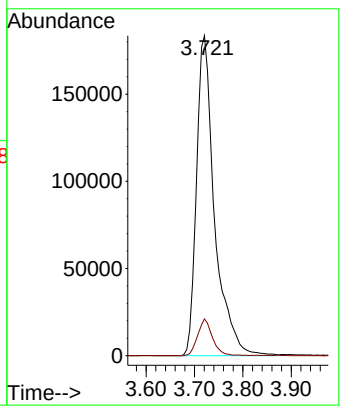
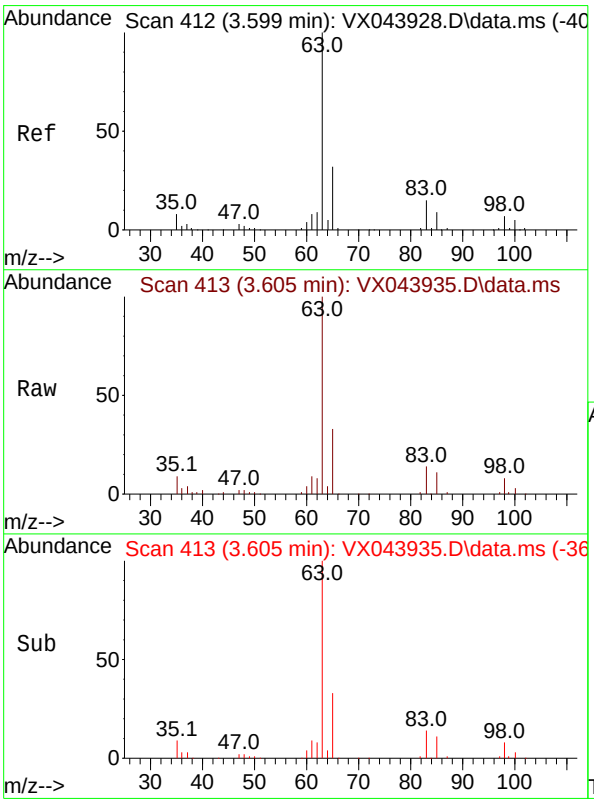
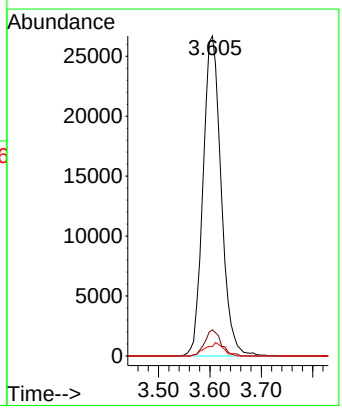


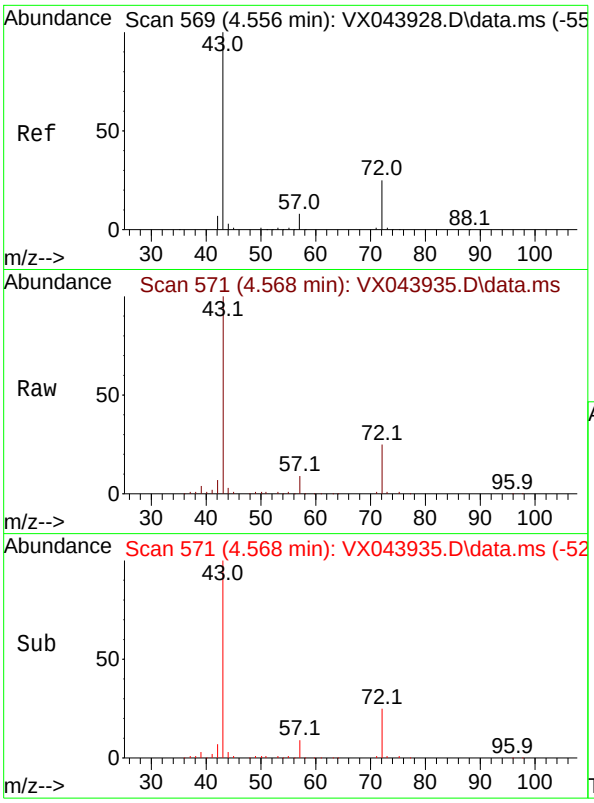




#24
1,1-Dichloroethane
Concen: 19.724 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 63 Resp: 65402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.5 | 10.6 |
| 100 | 3.0 | 2.4 | 7.1 |






#25
2-Butanone
Concen: 95.552 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 13866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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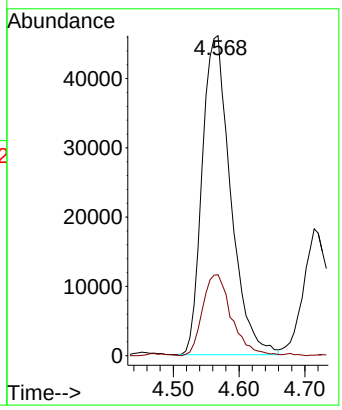
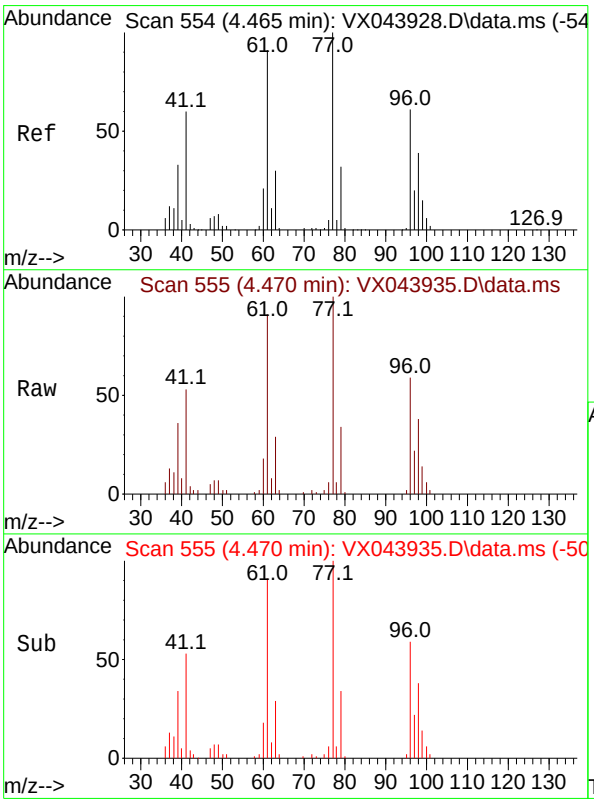
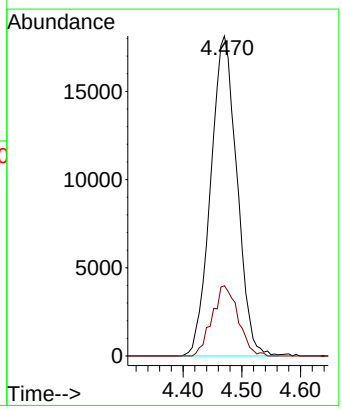


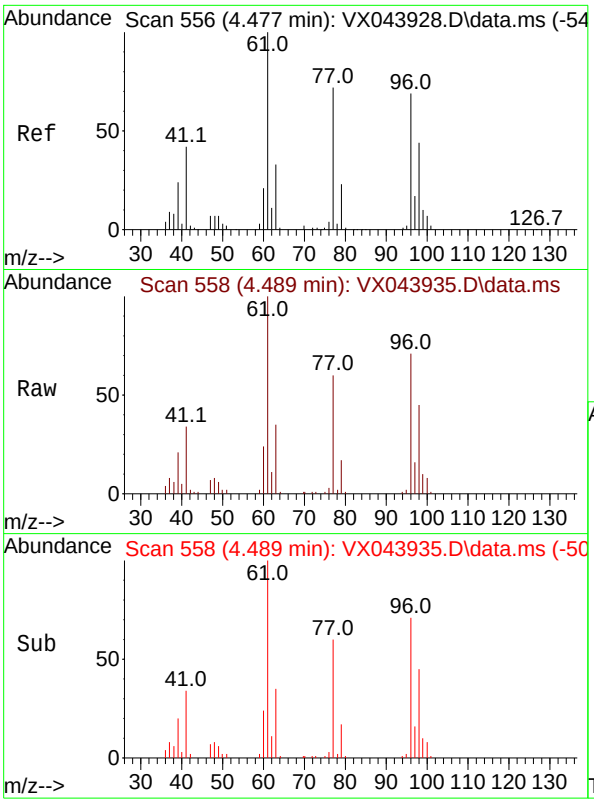




#26
2,2-Dichloropropane
Concen: 18.822 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 77 Resp: 56366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.8 | 32.3 |






#27
cis-1,2-Dichloroethene
Concen: 18.914 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 96 Resp: 3970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 297.4 |
| 98 | 65.2 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

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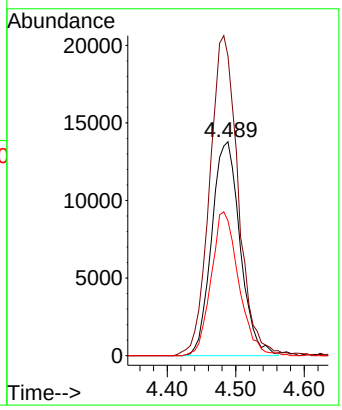
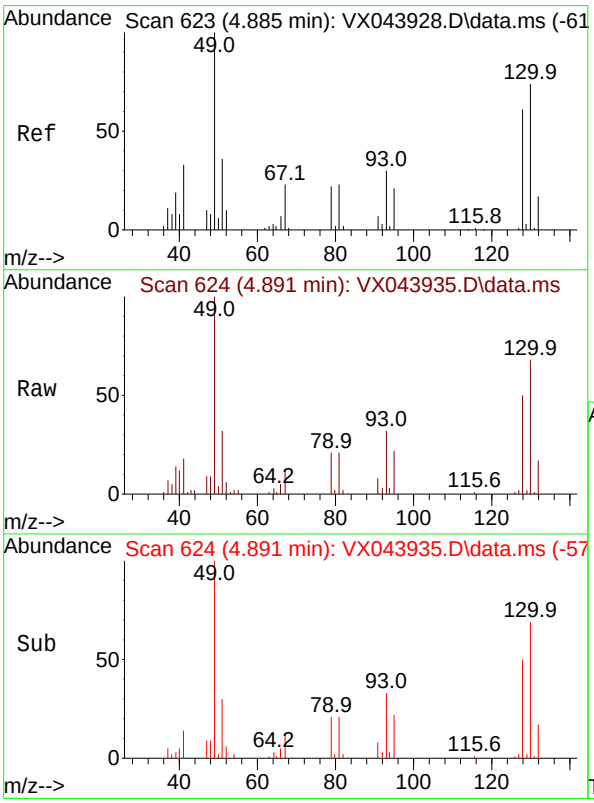
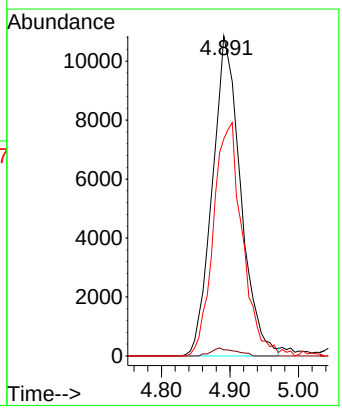


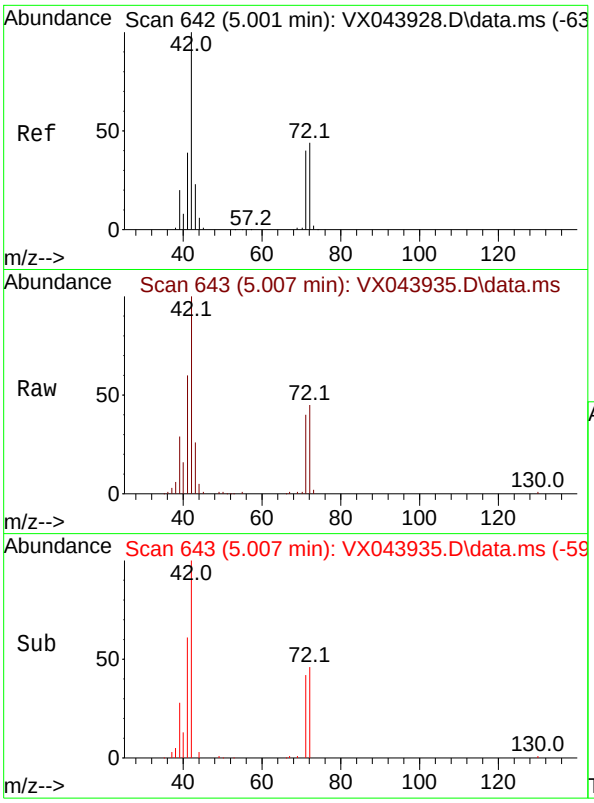




#28
Bromochloromethane
Concen: 21.312 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 49 Resp: 31107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 75.0 | 59.0 | 88.6 |

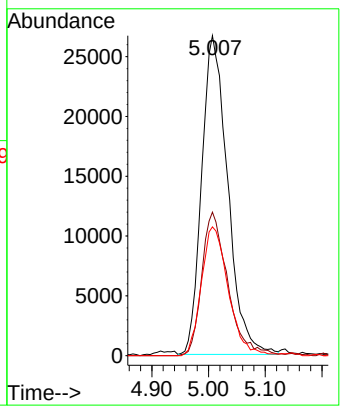





#29
Tetrahydrofuran
Concen: 95.518 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 42 Resp: 8497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.0 | 36.4 | 54.6 |
| 71 | 41.8 | 33.4 | 50.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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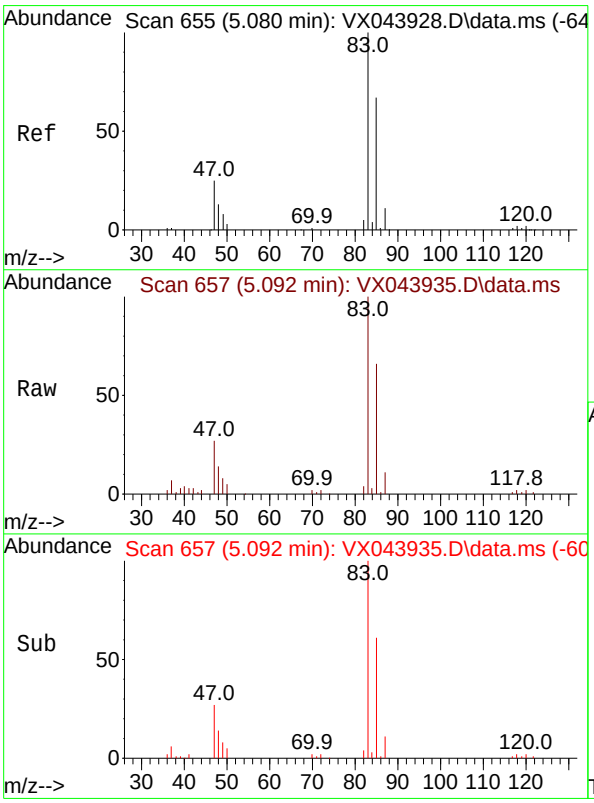
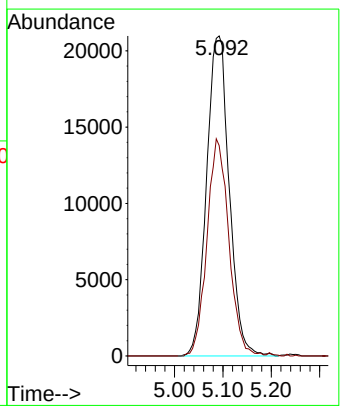
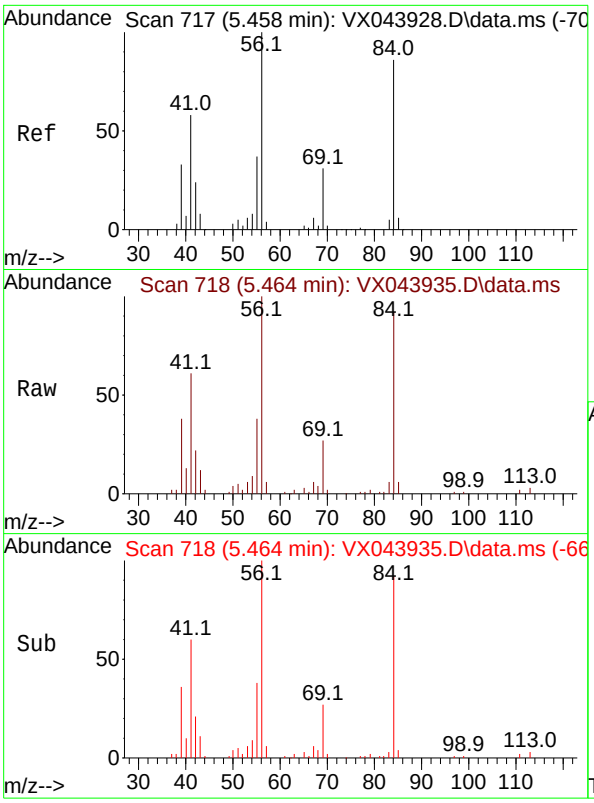



#30
Chloroform
Concen: 19.081 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 83 Resp: 68049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 53.5 | 80.3 |

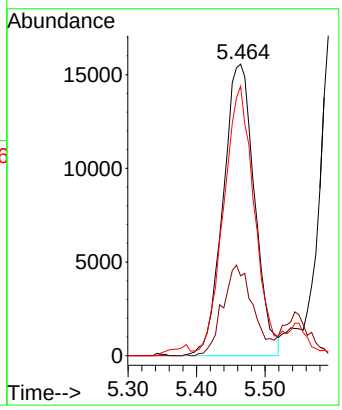





#31
Cyclohexane
Concen: 18.175 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 56 Resp: 4960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.4 | 24.7 | 37.1 |
| 84 | 90.2 | 68.7 | 103.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

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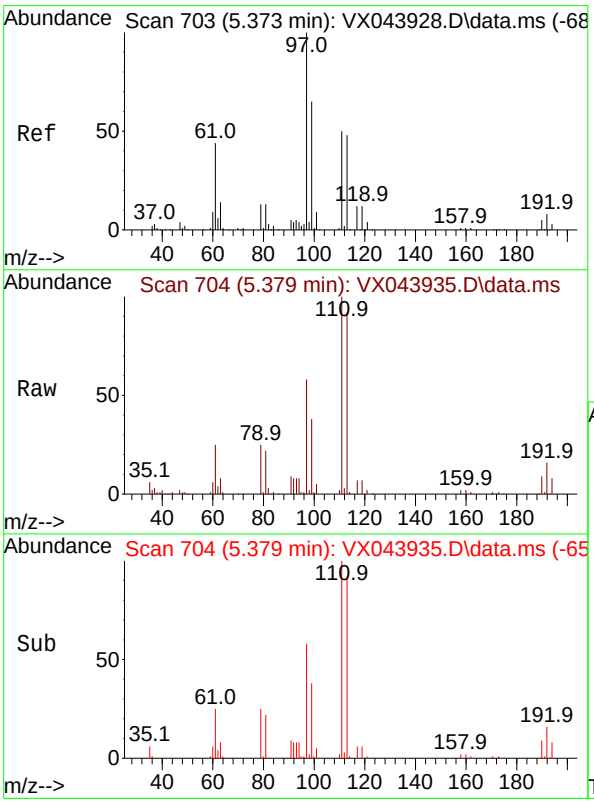
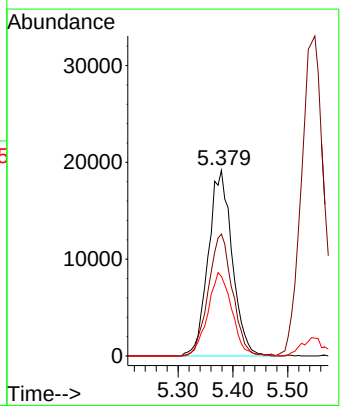
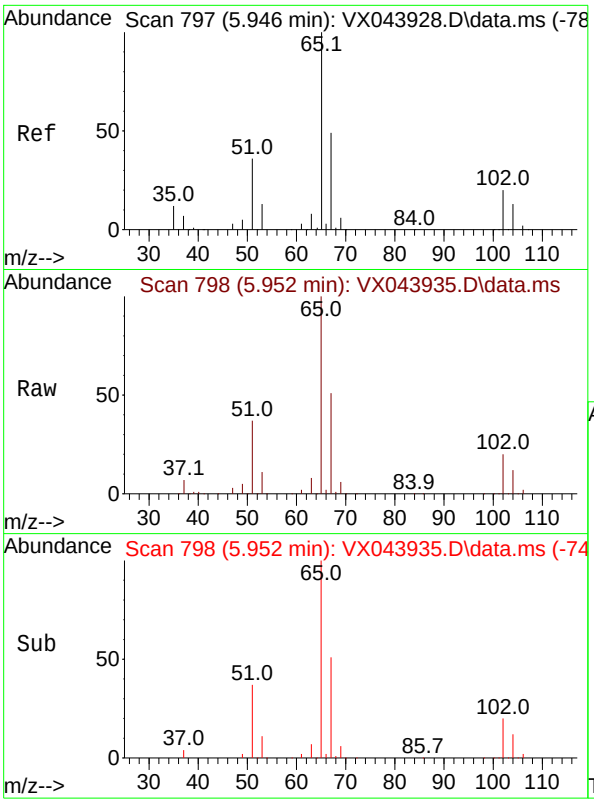



#32
1,1,1-Trichloroethane
Concen: 18.860 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 97 Resp: 58005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.0 | 50.8 | 76.2 |
| 61 | 45.2 | 35.4 | 53.2 |






#33
1,2-Dichloroethane-d4
Concen: 50.752 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 65 Resp: 12427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 100.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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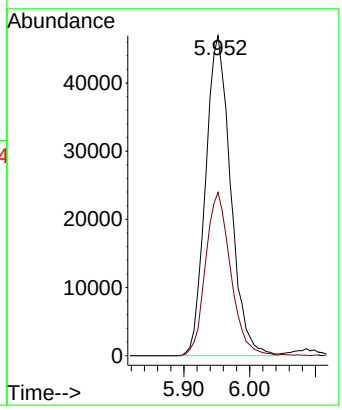
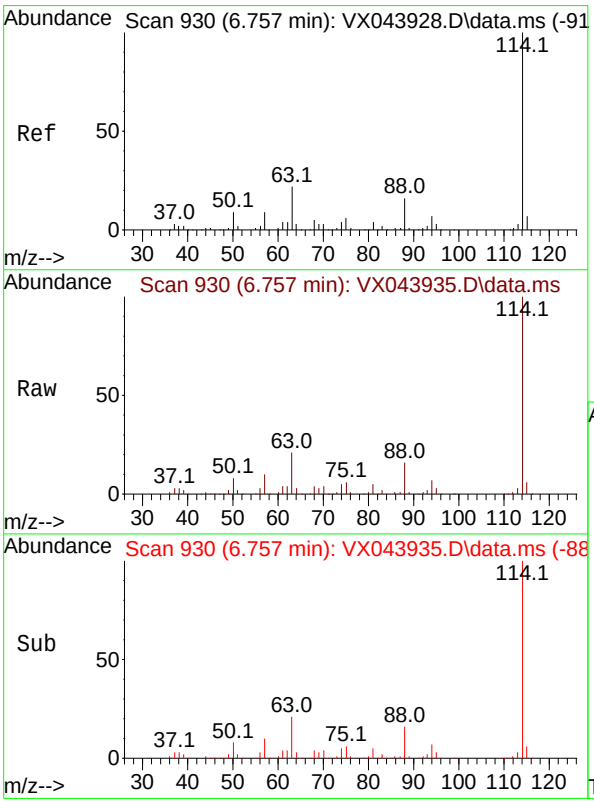
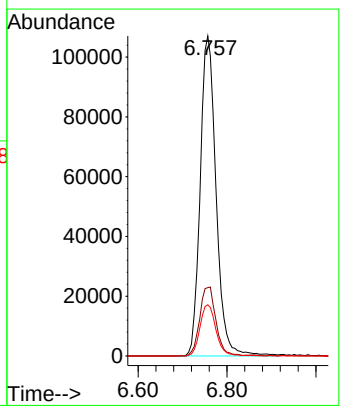


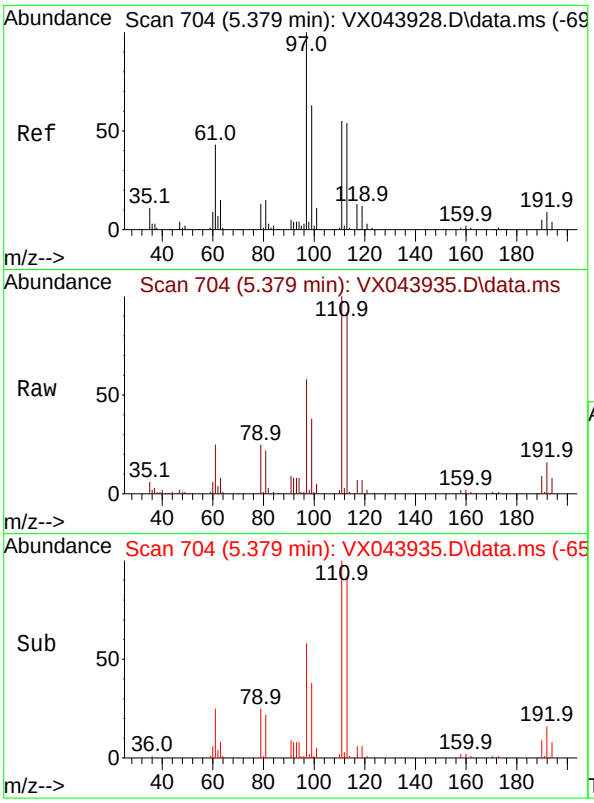




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:114 Resp: 267012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 16.0 | 0.0 | 32.4 |






#35
Dibromofluoromethane
Concen: 47.779 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

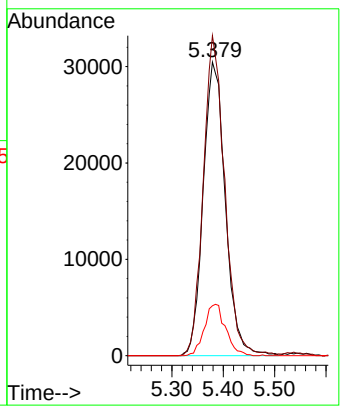
Tgt Ion:113 Resp: 9116(

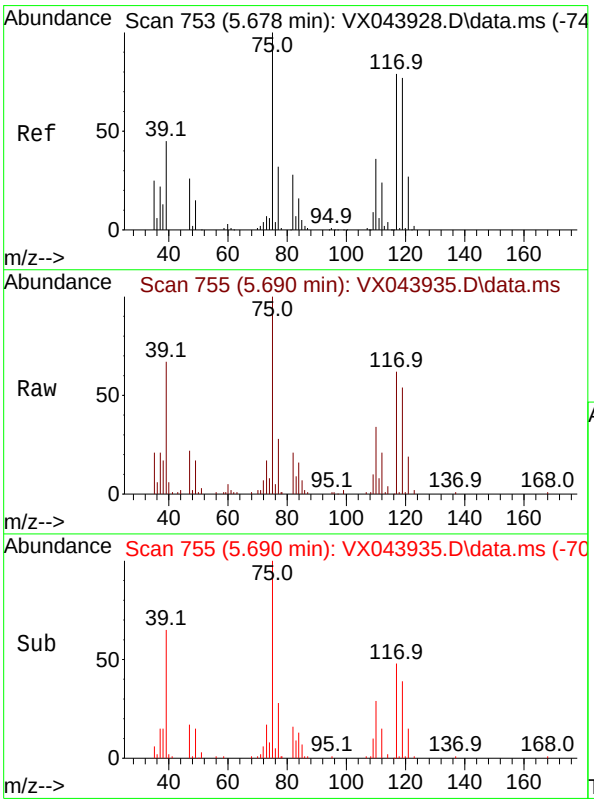
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.3 | 81.0 | 121.4 |
| 192 | 16.8 | 13.0 | 19.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

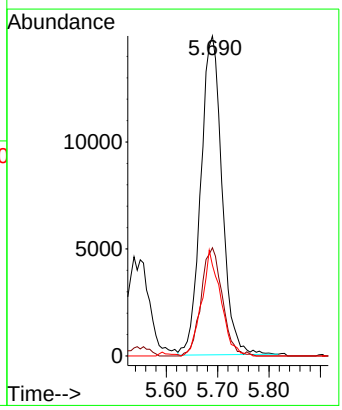


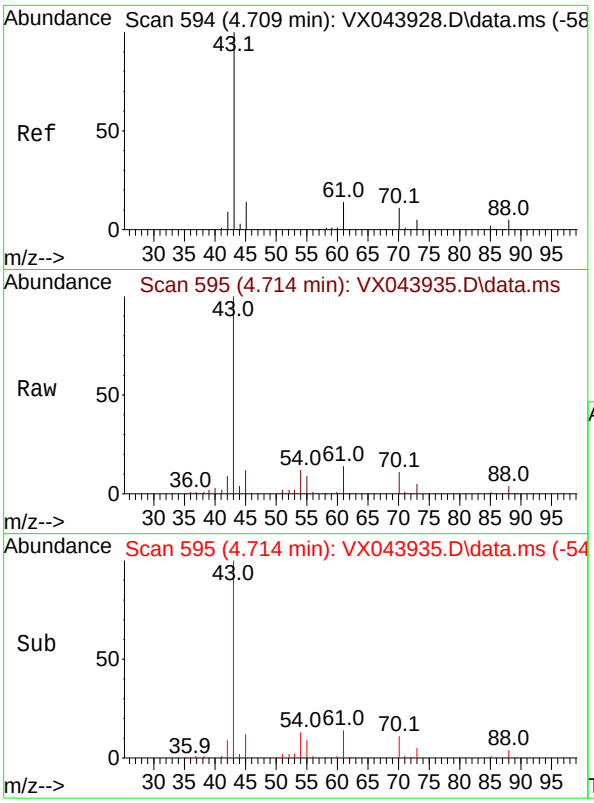




#36
1,1-Dichloropropene
Concen: 17.976 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 42738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.4 | 52.2 |
| 77 | 29.9 | 25.8 | 38.8 |

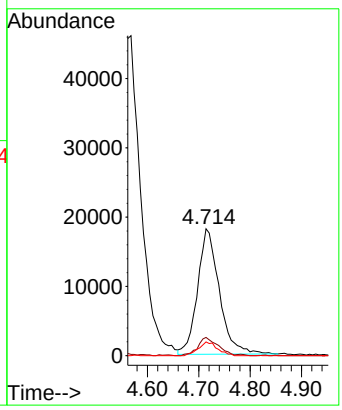





#37
Ethyl Acetate
Concen: 18.061 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 5330

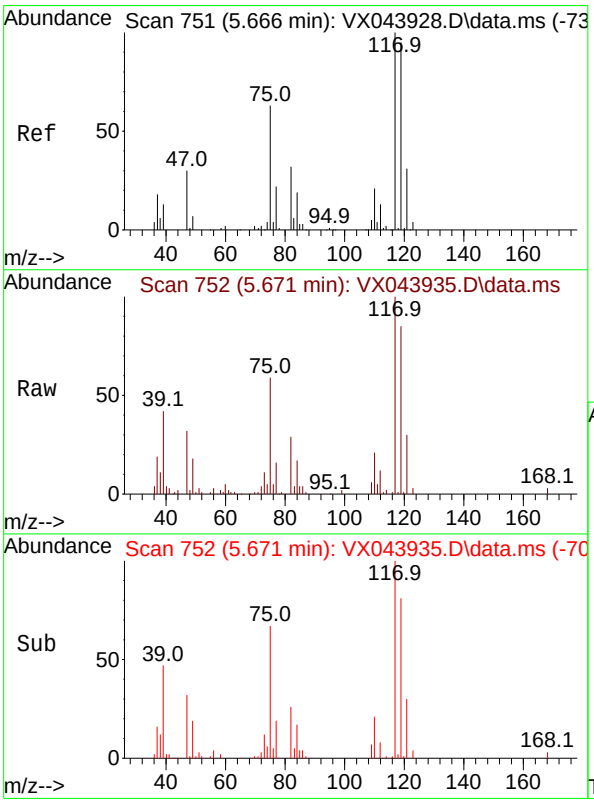
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 10.7 | 16.1 |
| 70 | 9.6 | 8.0 | 12.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

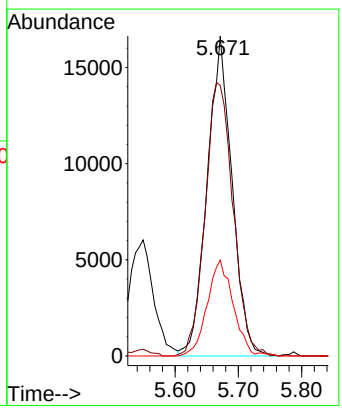
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

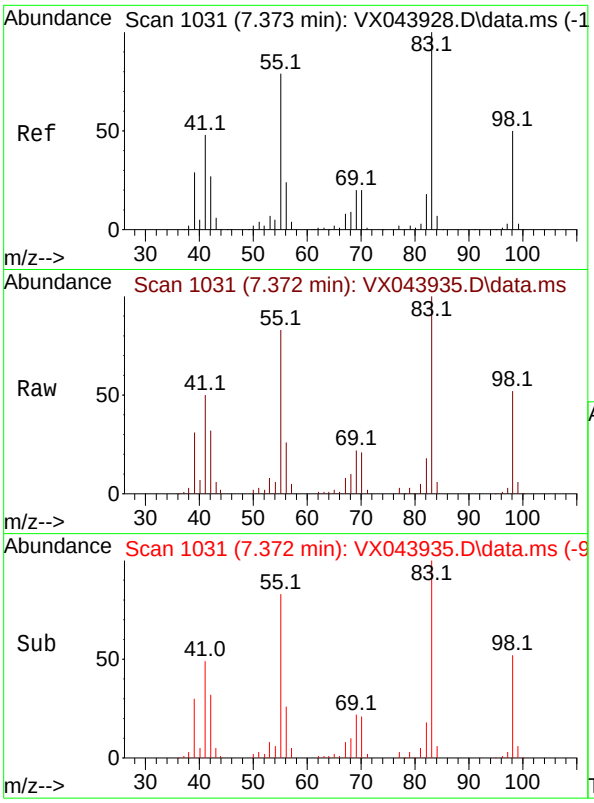



#38
Carbon Tetrachloride
Concen: 17.041 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:117 Resp: 45524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 84.5 | 75.2 | 112.8 |
| 121 | 29.9 | 24.5 | 36.7 |






#39
Methylcyclohexane
Concen: 16.945 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 83 Resp: 5233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.9 | 63.1 | 94.7 |
| 98 | 52.0 | 40.0 | 60.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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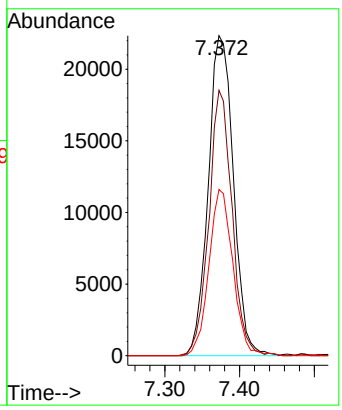
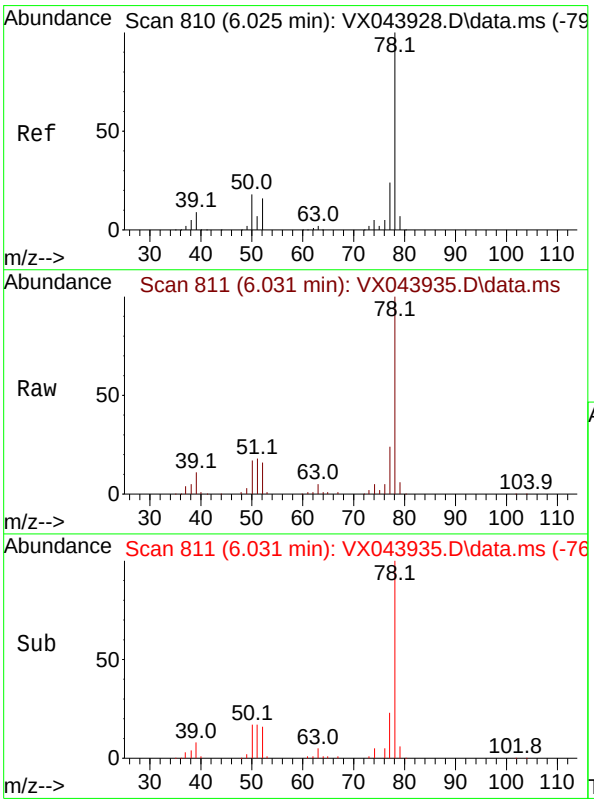
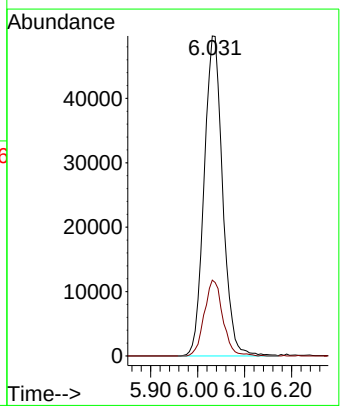


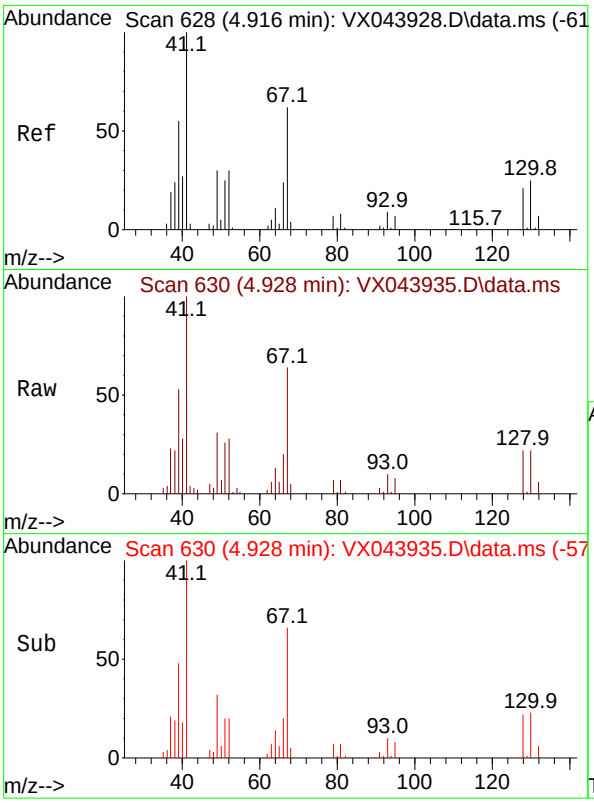




#40
Benzene
Concen: 18.354 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 78 Resp: 135924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |

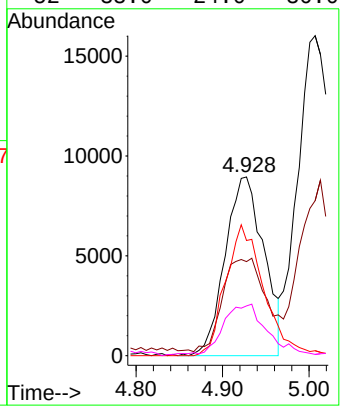





#41
Methacrylonitrile
Concen: 18.448 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 41 Resp: 2786

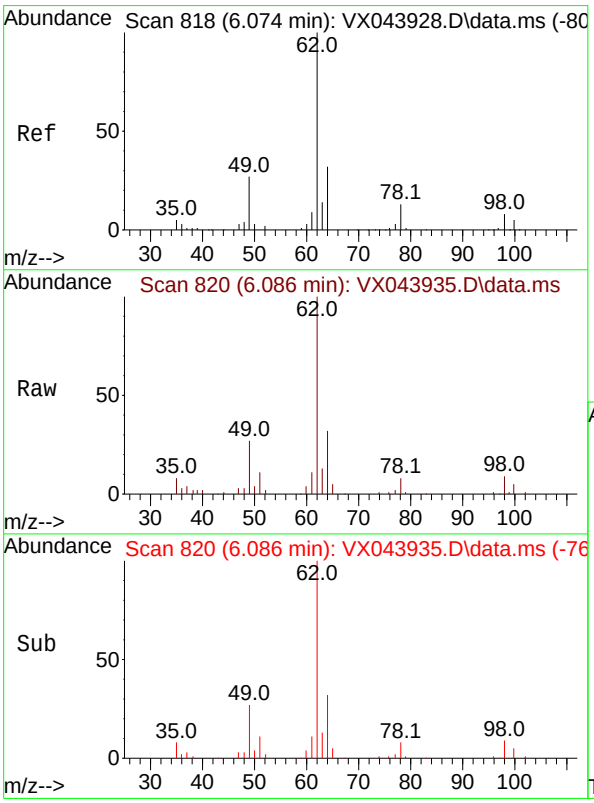
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.0 | 41.7 | 62.5 |
| 67 | 72.8 | 55.8 | 83.8 |
| 52 | 33.0 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

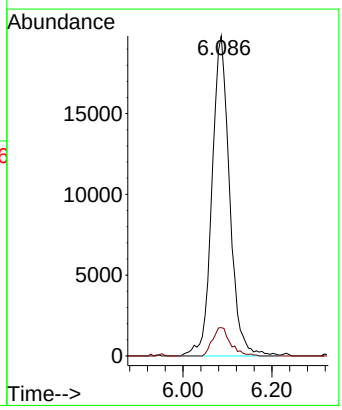
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

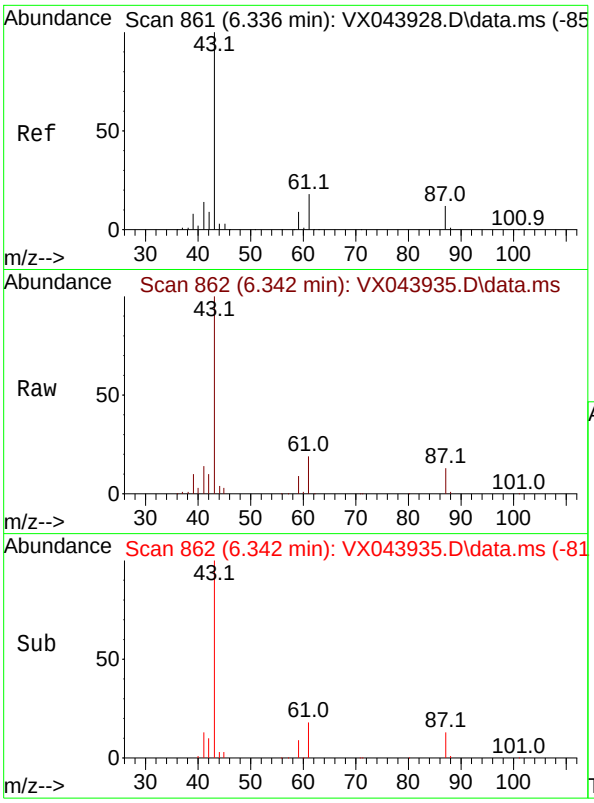



#42
1,2-Dichloroethane
Concen: 18.367 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 62 Resp: 54631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 16.4 |






#43
Isopropyl Acetate
Concen: 18.335 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 8611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 12.8 | 10.2 | 15.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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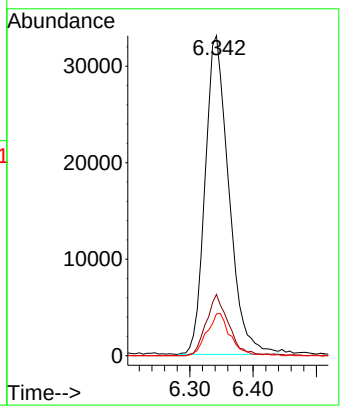
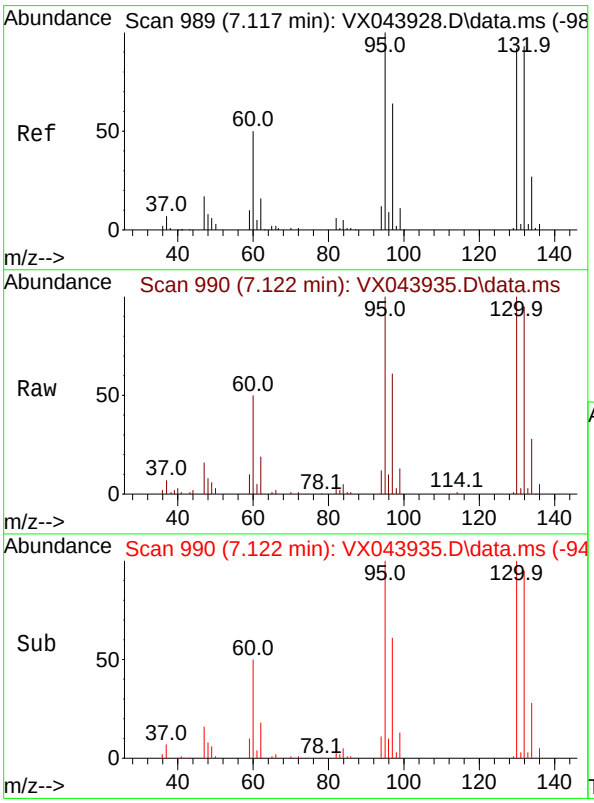
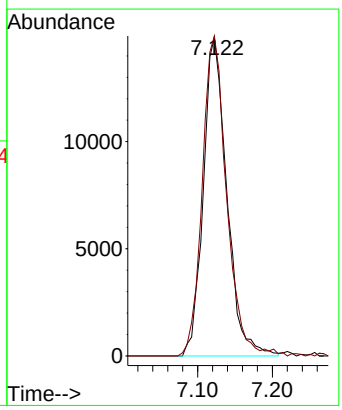


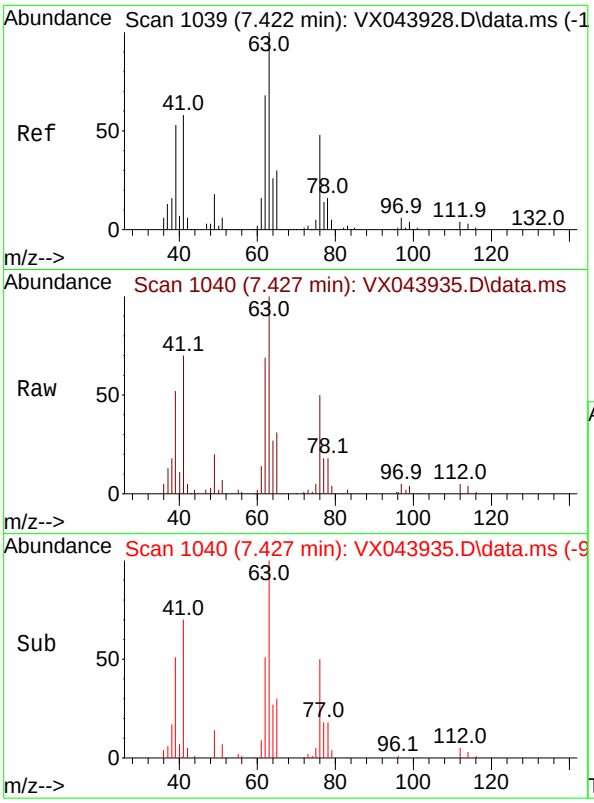




#44
Trichloroethene
Concen: 15.527 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:130 Resp: 32553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 217.8 |






#45
1,2-Dichloropropane
Concen: 18.597 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 63 Resp: 3373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 23.8 | 35.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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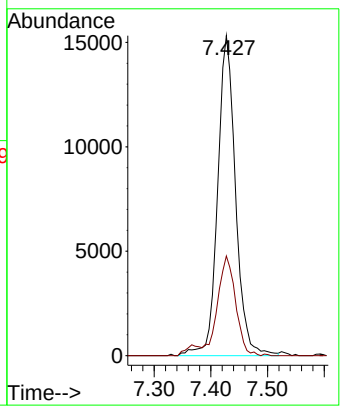
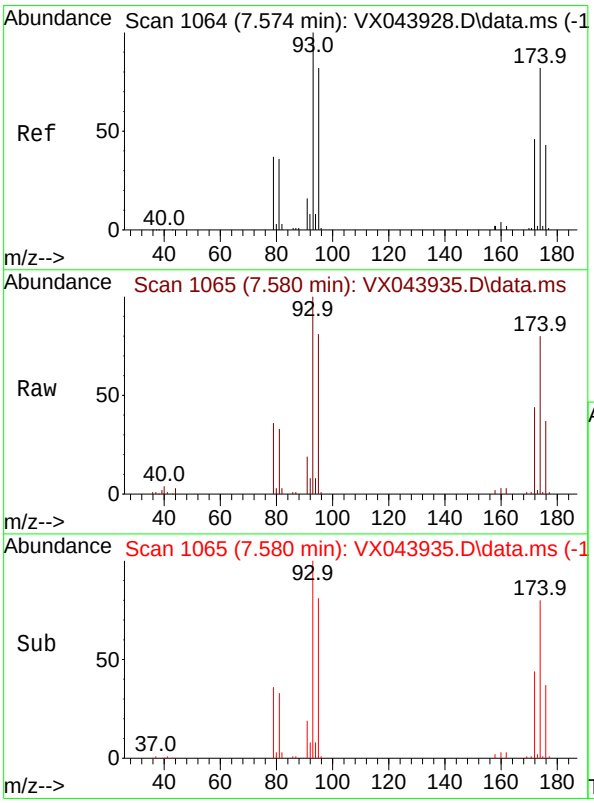
Supervised By :Semsettin Yesilyurt 11/22/2024

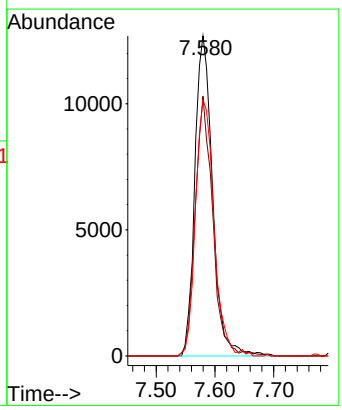


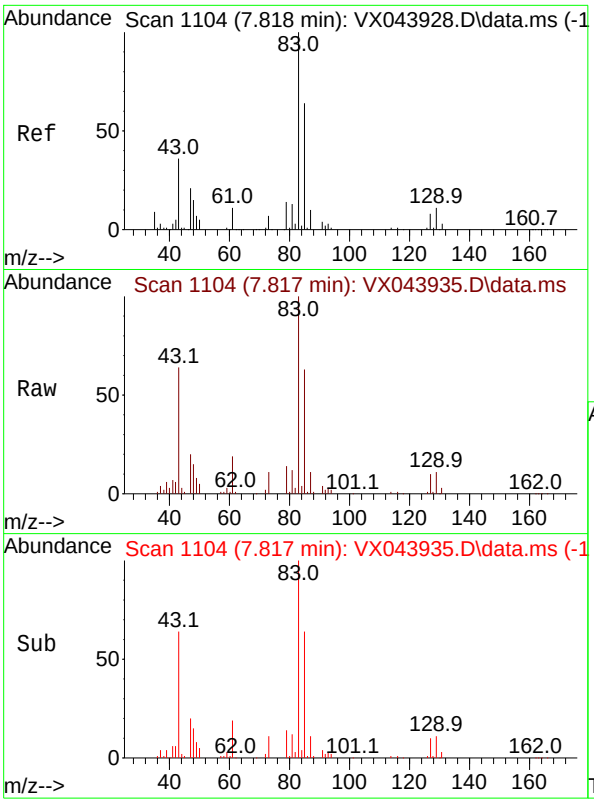




#46
Dibromomethane
Concen: 18.518 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 93 Resp: 26570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.1 | 66.2 | 99.4 |
| 174 | 82.6 | 69.6 | 104.4 |

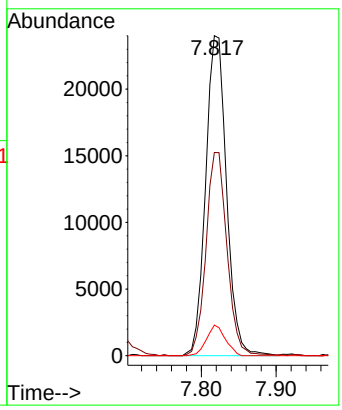





#47
Bromodichloromethane
Concen: 18.099 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 83 Resp: 4657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 51.4 | 77.0 |
| 127 | 9.6 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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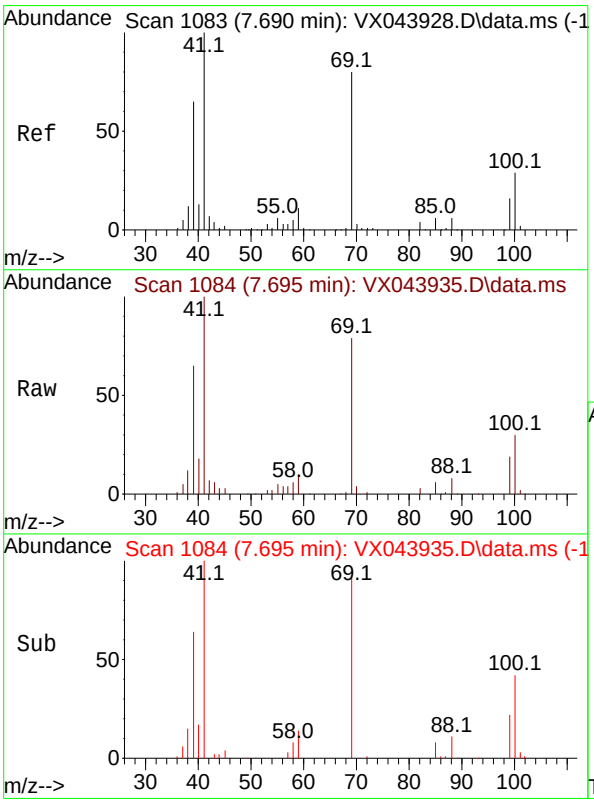
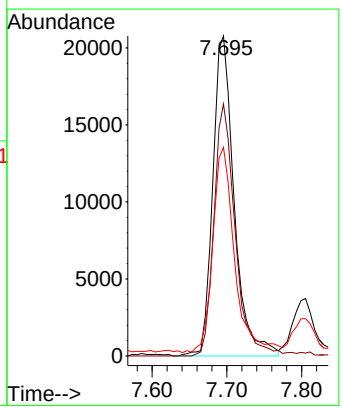
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

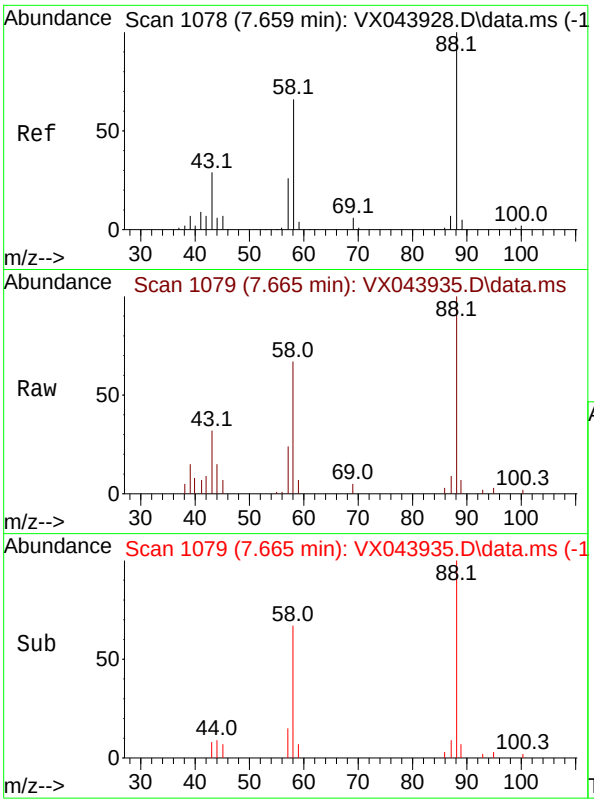



#48
Methyl methacrylate
Concen: 18.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 41 Resp: 41342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.2 | 64.6 | 97.0 |
| 39 | 65.4 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 318.568 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 88 Resp: 1278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.4 | 26.8 | 40.2# |
| 58 | 66.5 | 45.4 | 68.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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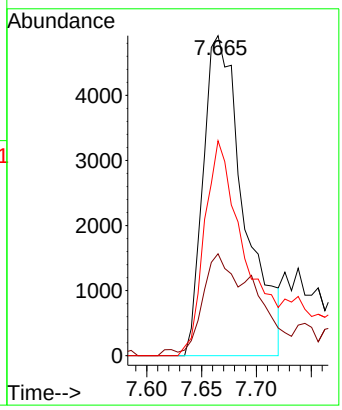
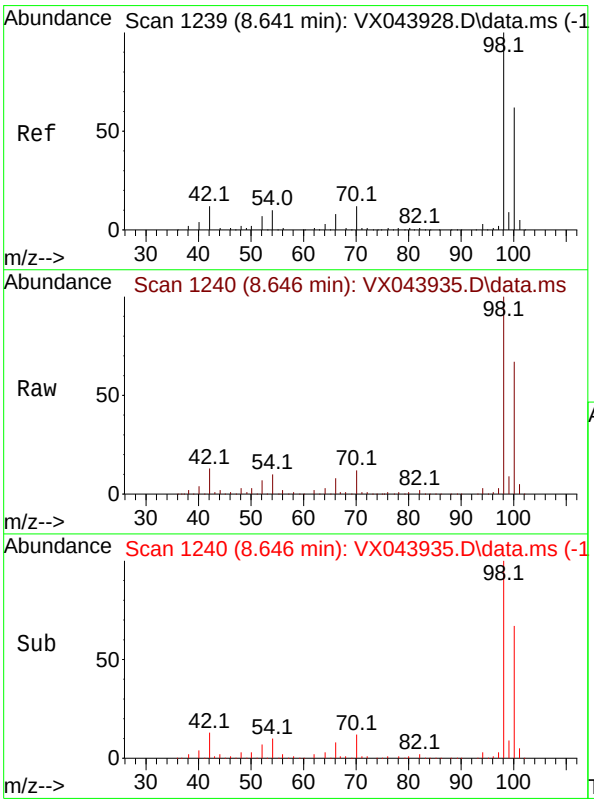
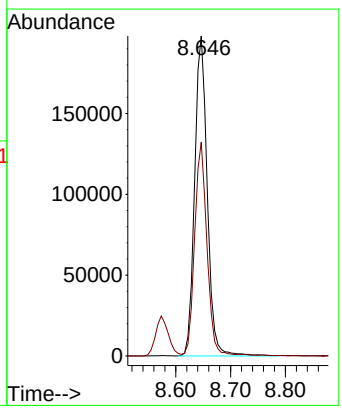


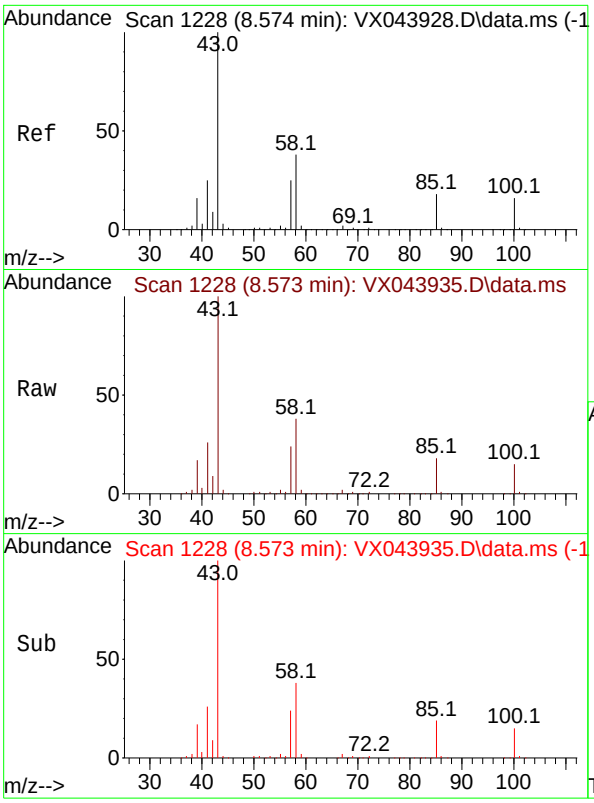




#50
Toluene-d8
Concen: 48.341 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 98 Resp: 317933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.6 | 79.0 |

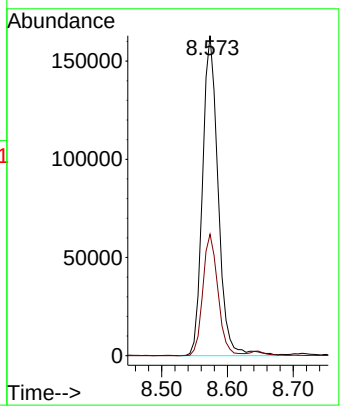





#51
4-Methyl-2-Pentanone
Concen: 93.903 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 26914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
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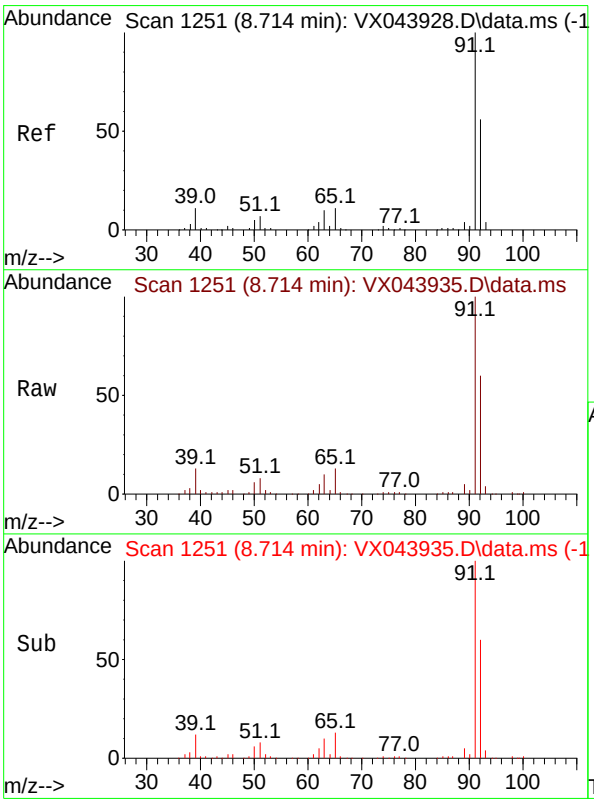
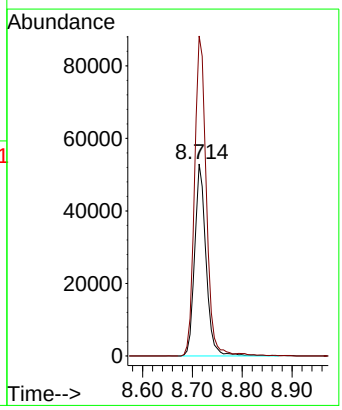
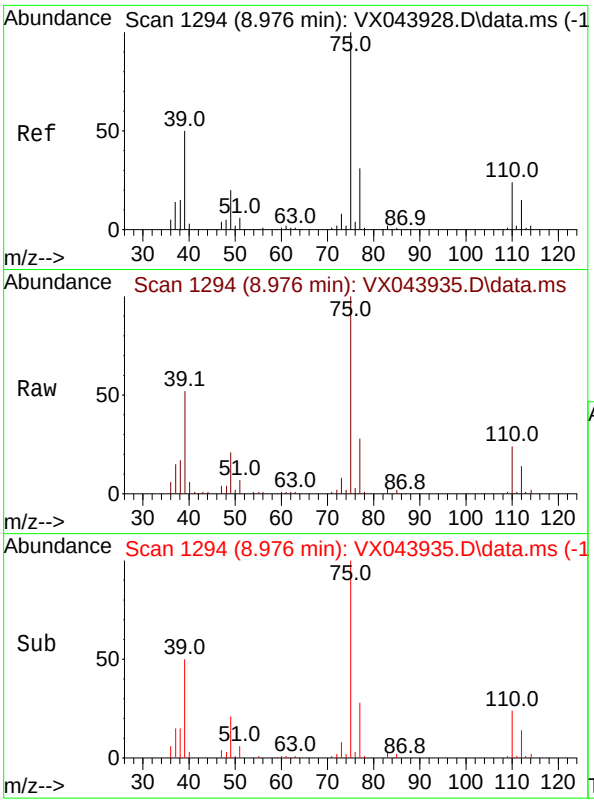



#52
Toluene
Concen: 18.934 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 92 Resp: 83929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 139.7 | 209.5 |

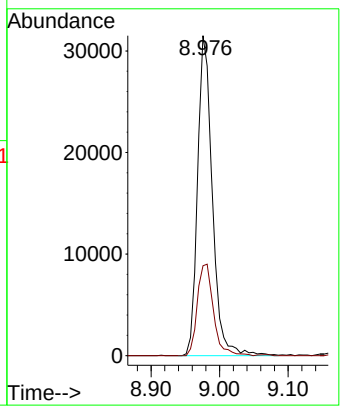





#53
t-1,3-Dichloropropene
Concen: 18.054 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 4737

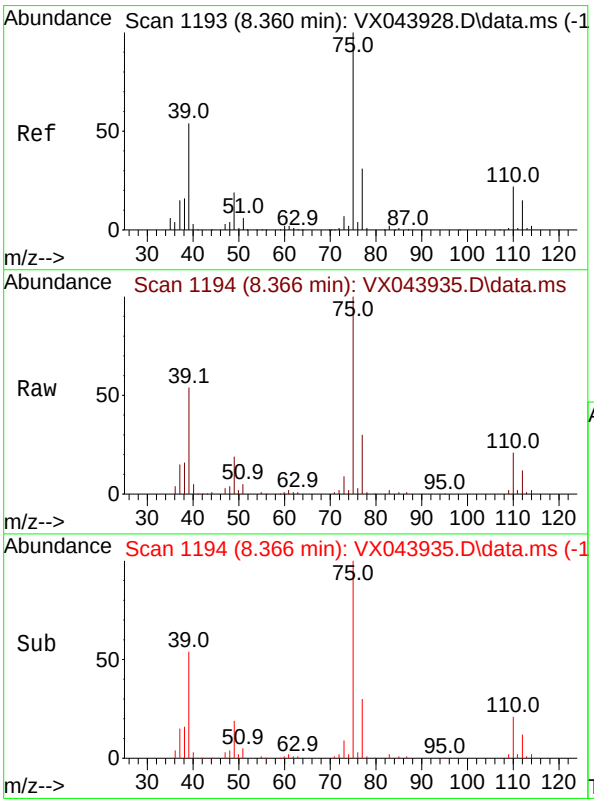
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.1 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

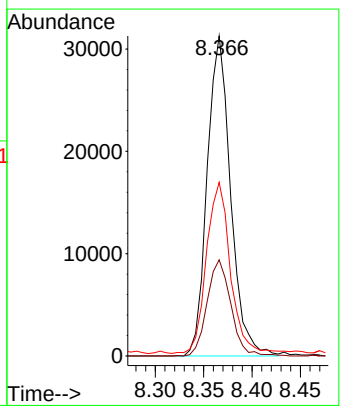
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

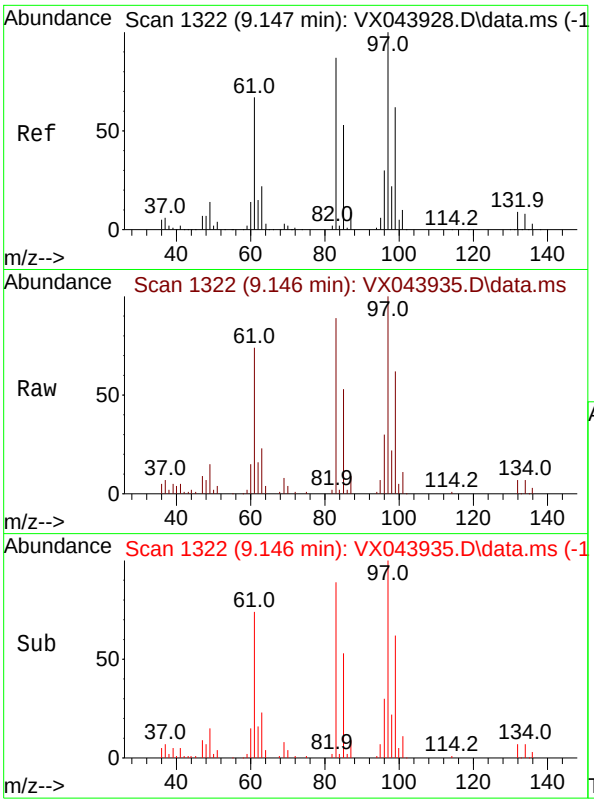



#54
cis-1,3-Dichloropropene
Concen: 18.337 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 52751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.9 | 25.2 | 37.8 |
| 39 | 53.2 | 43.1 | 64.7 |

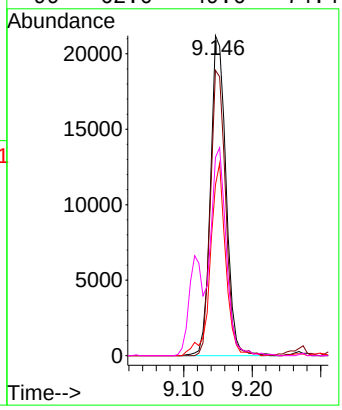





#55
1,1,2-Trichloroethane
Concen: 18.237 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 97 Resp: 3337

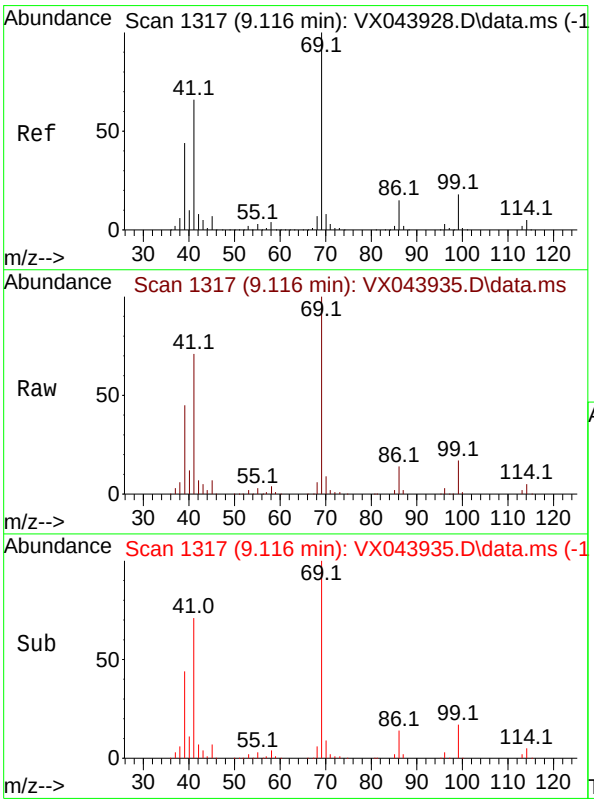
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.1 | 69.4 | 104.0 |
| 85 | 53.5 | 42.3 | 63.5 |
| 99 | 62.0 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

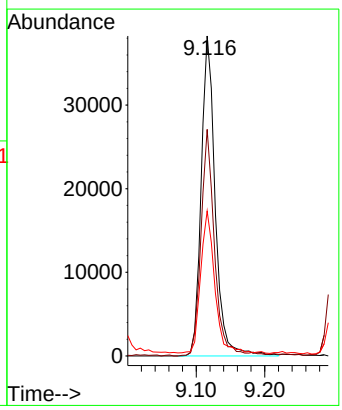
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

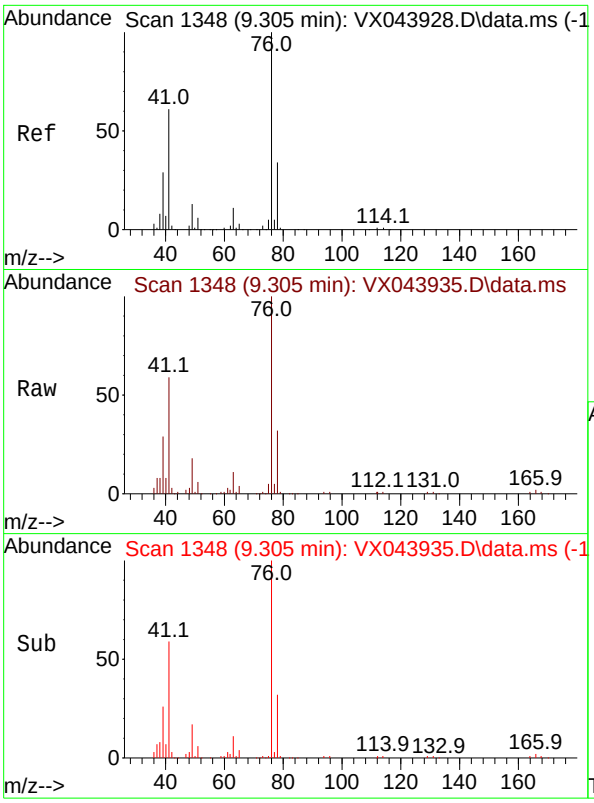



#56
Ethyl methacrylate
Concen: 19.170 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 69 Resp: 54635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.7 | 55.8 | 83.8 |
| 39 | 44.3 | 36.7 | 55.1 |






#57
1,3-Dichloropropane
Concen: 19.090 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 76 Resp: 5884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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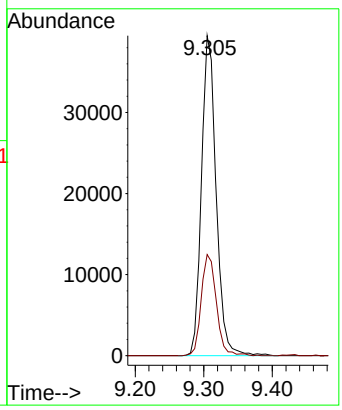
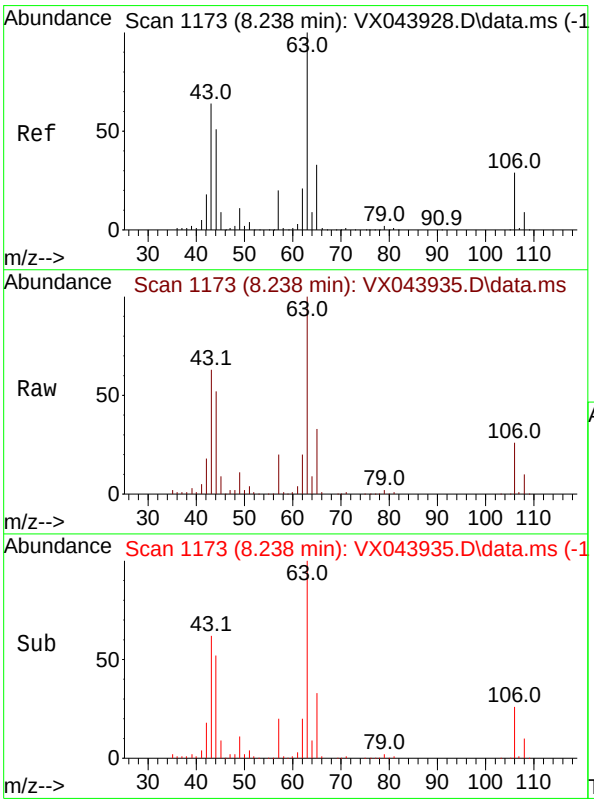
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

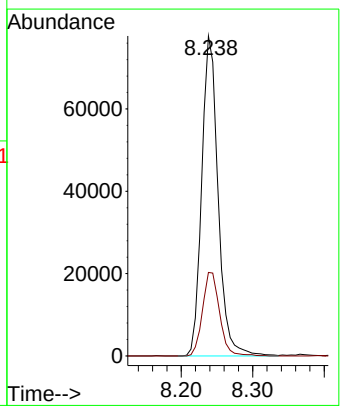


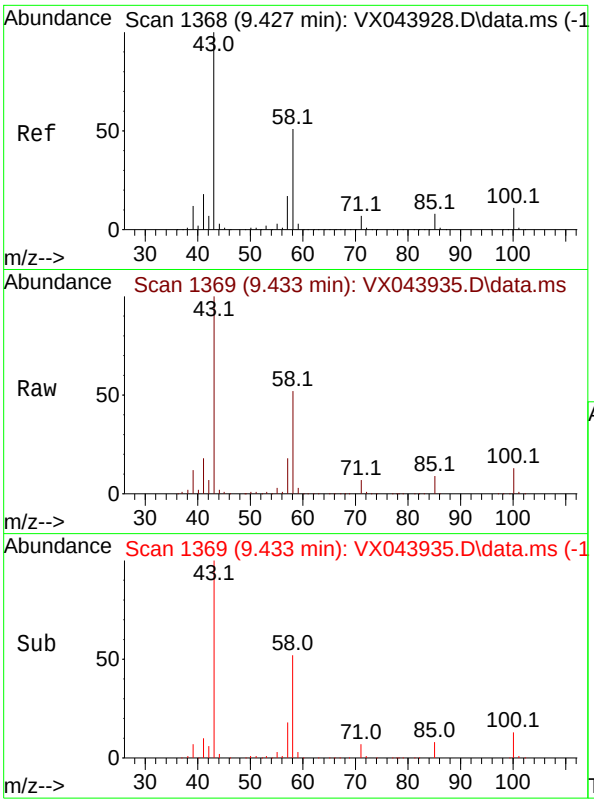




#58
2-Chloroethyl Vinyl ether
Concen: 78.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 63 Resp: 123798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 23.0 | 34.6 |






#59
2-Hexanone
Concen: 93.932 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 20235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.9 | 77.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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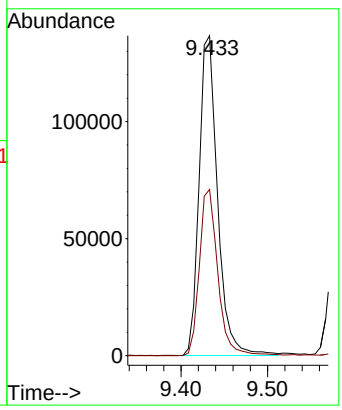
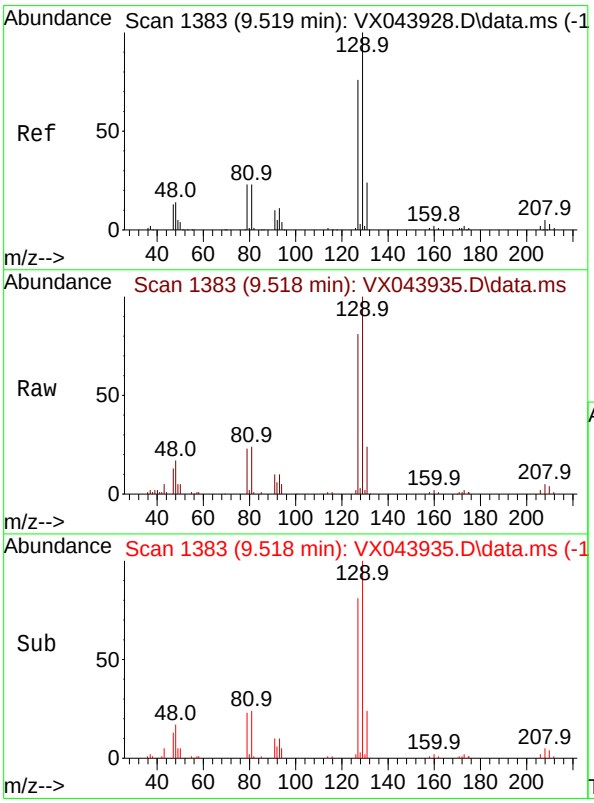
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

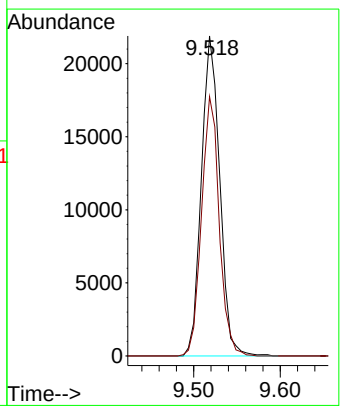


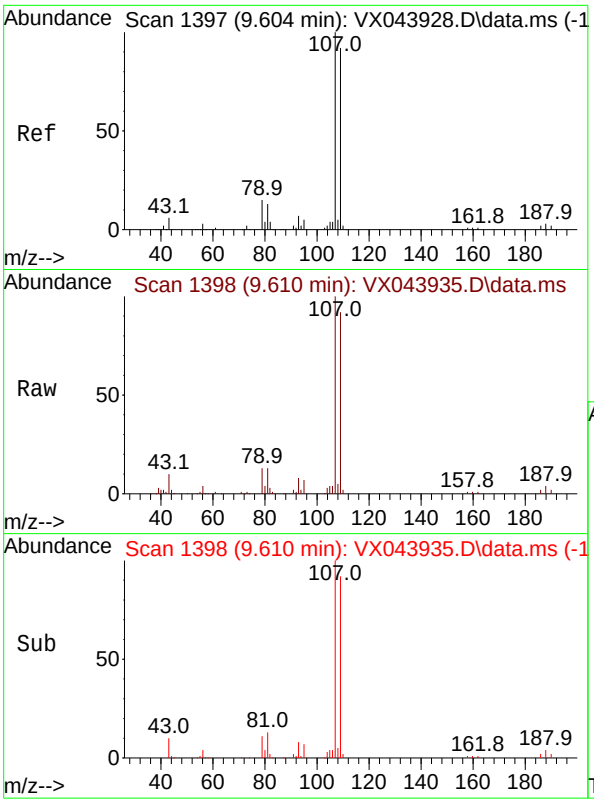




#60
Dibromochloromethane
Concen: 17.540 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:129 Resp: 32200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.2 | 38.2 | 114.6 |






#61
1,2-Dibromoethane
Concen: 19.086 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:107 Resp: 3531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 75.2 | 112.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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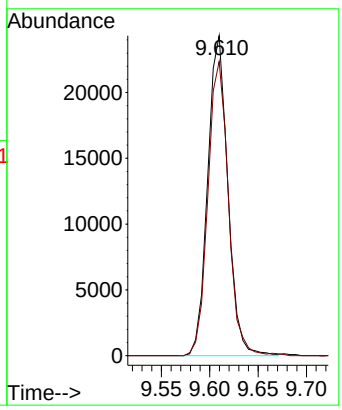
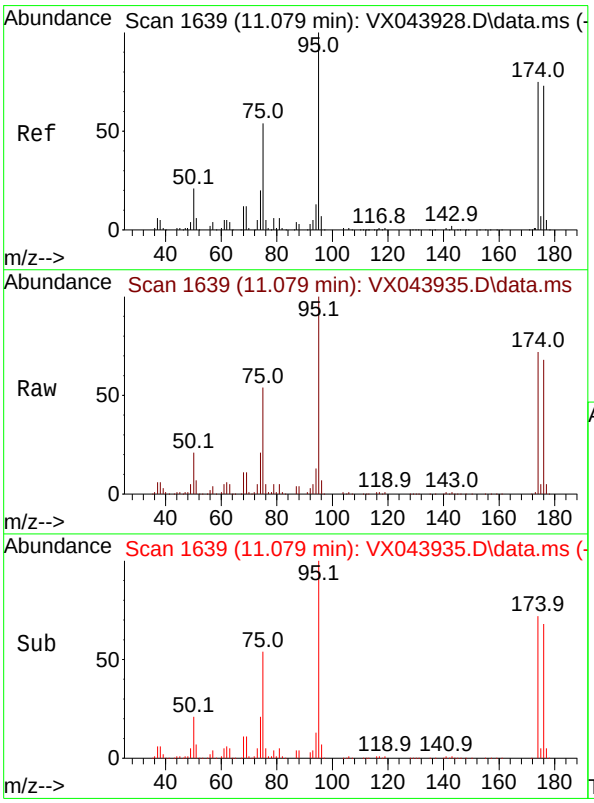
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

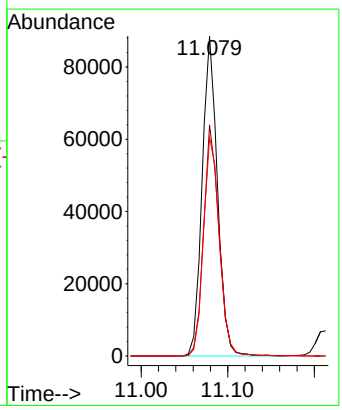


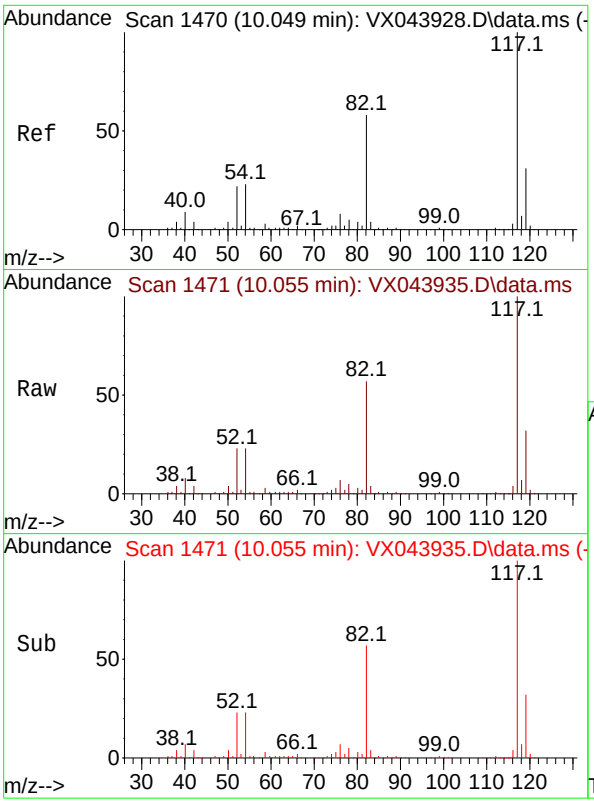




#62
4-Bromofluorobenzene
Concen: 48.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 95 Resp: 108557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.9 | 0.0 | 150.4 |
| 176 | 70.9 | 0.0 | 146.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:117 Resp: 22804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 46.4 | 69.6 |
| 119 | 32.2 | 24.6 | 37.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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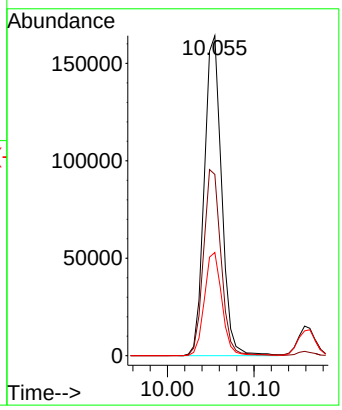
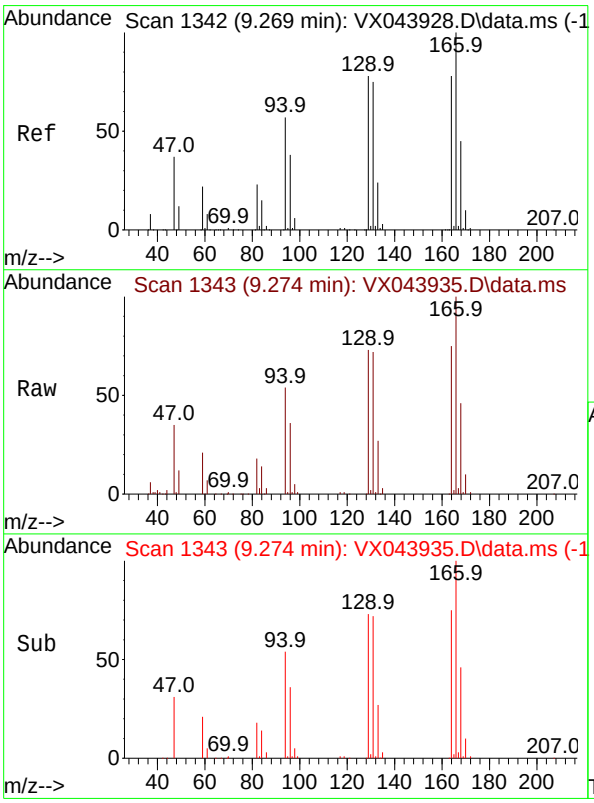
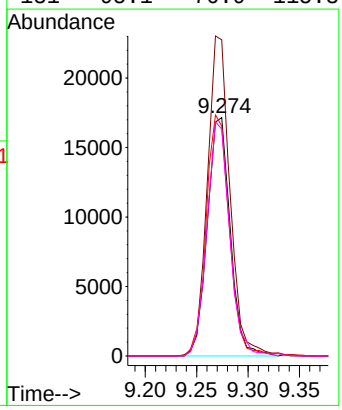


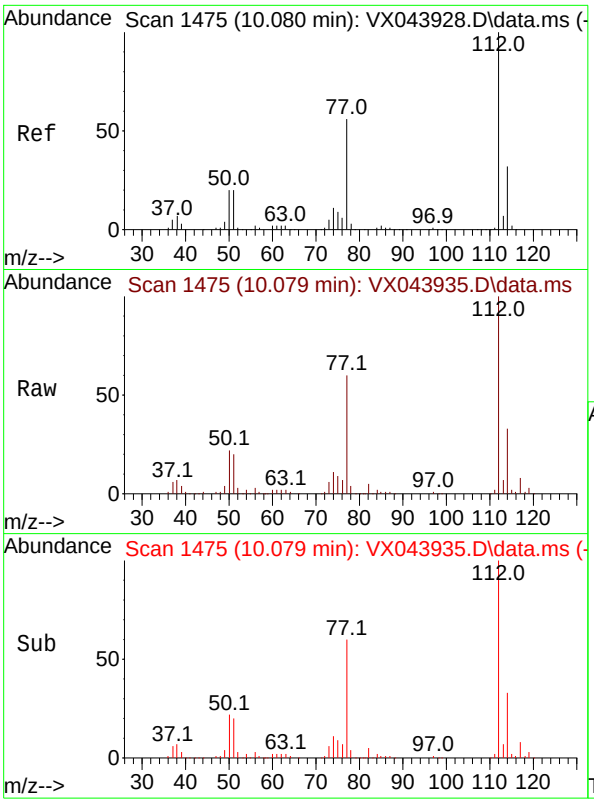




#64
Tetrachloroethene
Concen: 17.672 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:164 Resp: 26574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.6 | 102.1 | 153.1 |
| 129 | 96.4 | 79.6 | 119.4 |
| 131 | 95.1 | 76.9 | 115.3 |

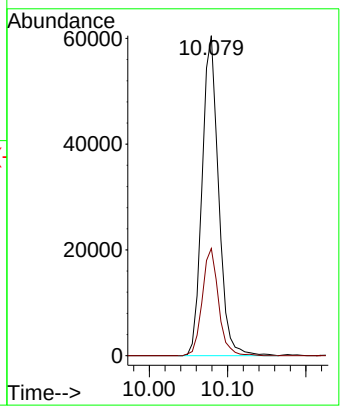





#65
Chlorobenzene
Concen: 17.597 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:112 Resp: 8813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.5 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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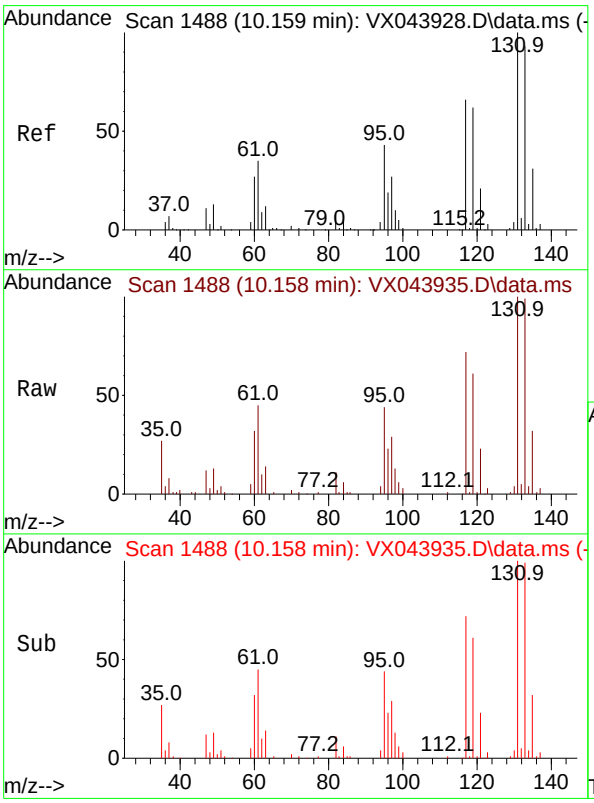
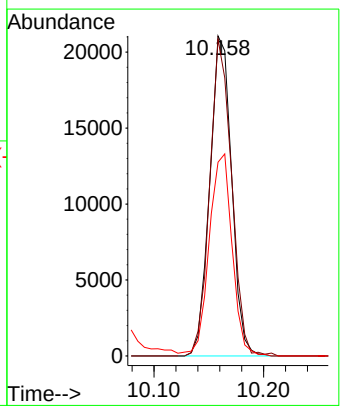
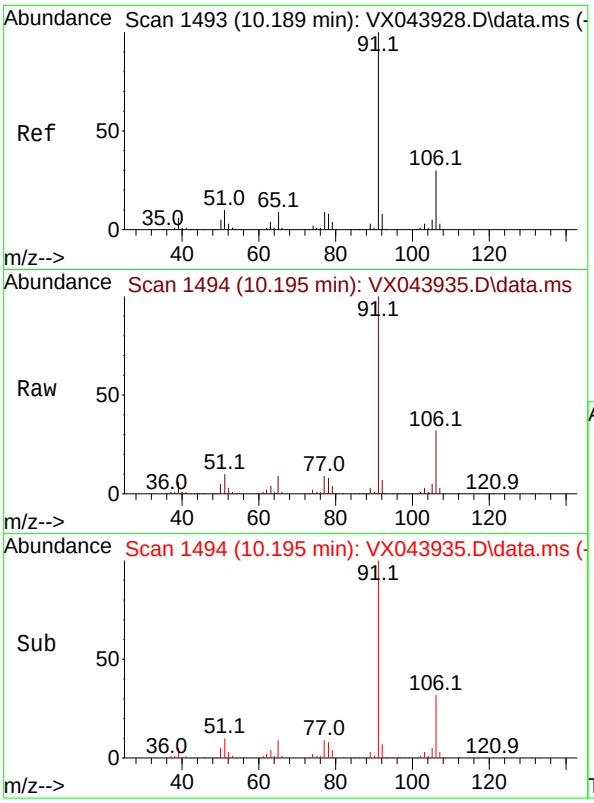



#66
1,1,1,2-Tetrachloroethane
Concen: 17.975 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:131 Resp: 29197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 99.1 | 48.2 | 144.6 |
| 119 | 66.3 | 31.5 | 94.5 |






#67
Ethyl Benzene
Concen: 18.409 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 15623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 23.6 | 35.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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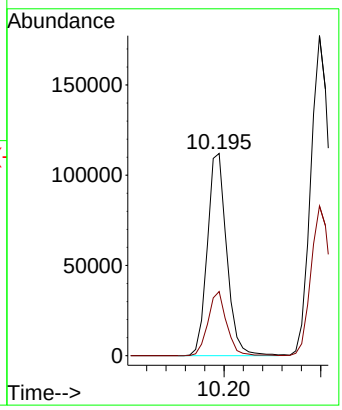
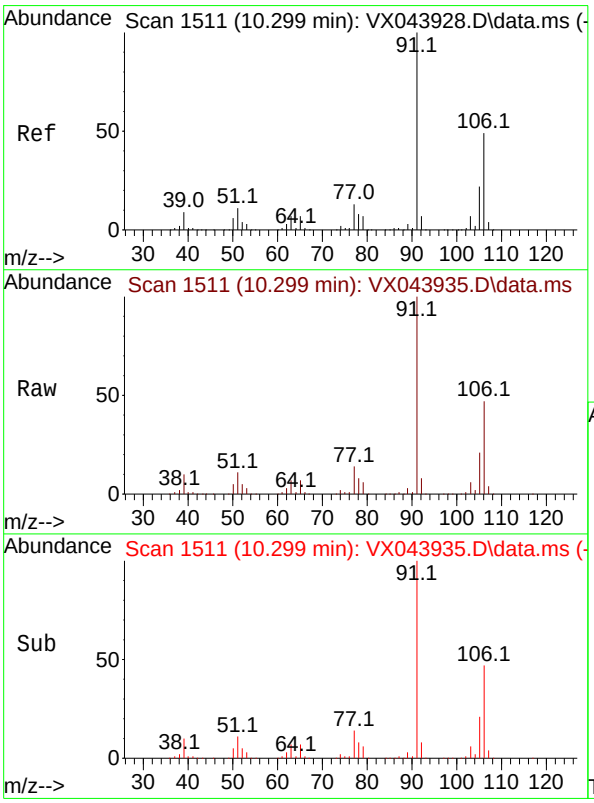
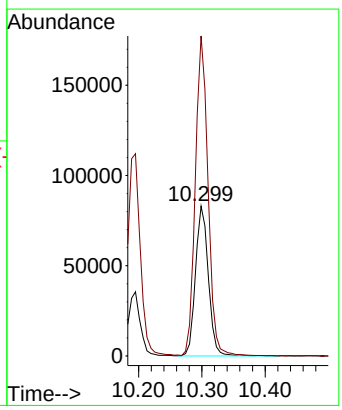


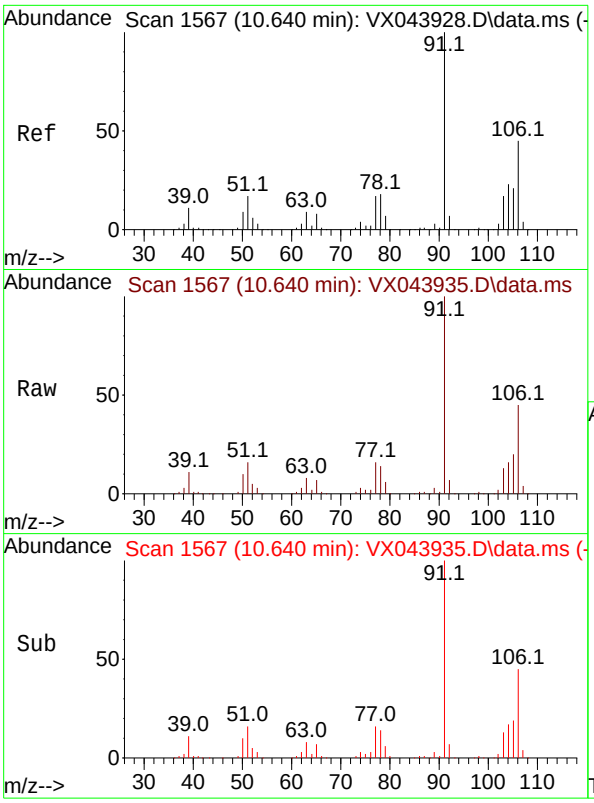




#68
m/p-Xylenes
Concen: 37.298 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:106 Resp: 118047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.3 | 168.1 | 252.1 |






#69
o-Xylene
Concen: 18.798 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:106 Resp: 5808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.8 | 110.2 | 330.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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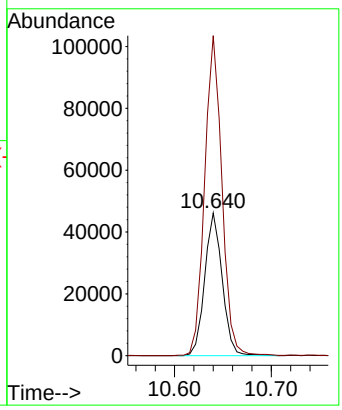
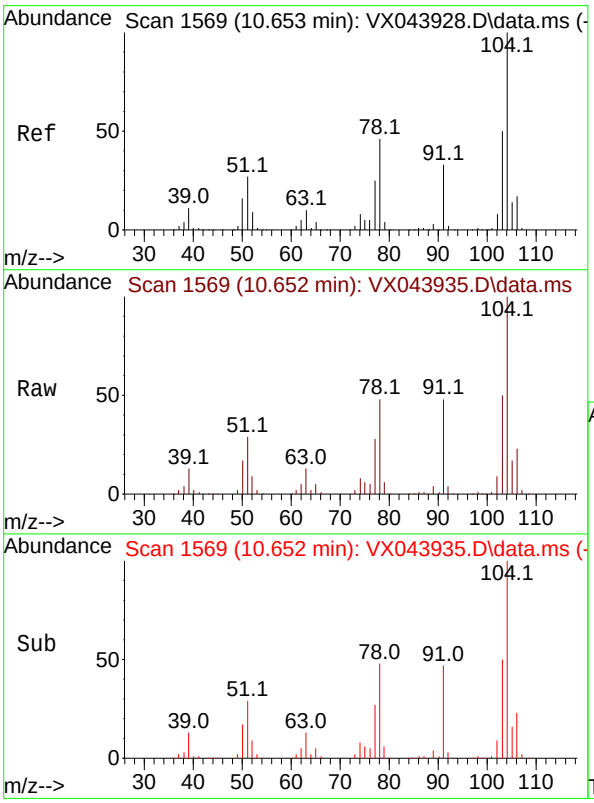
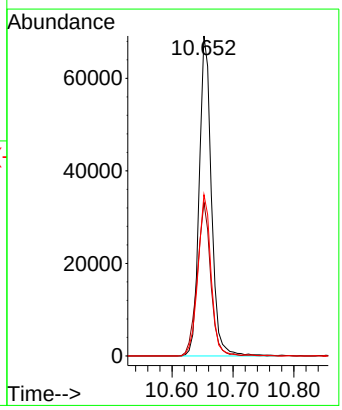


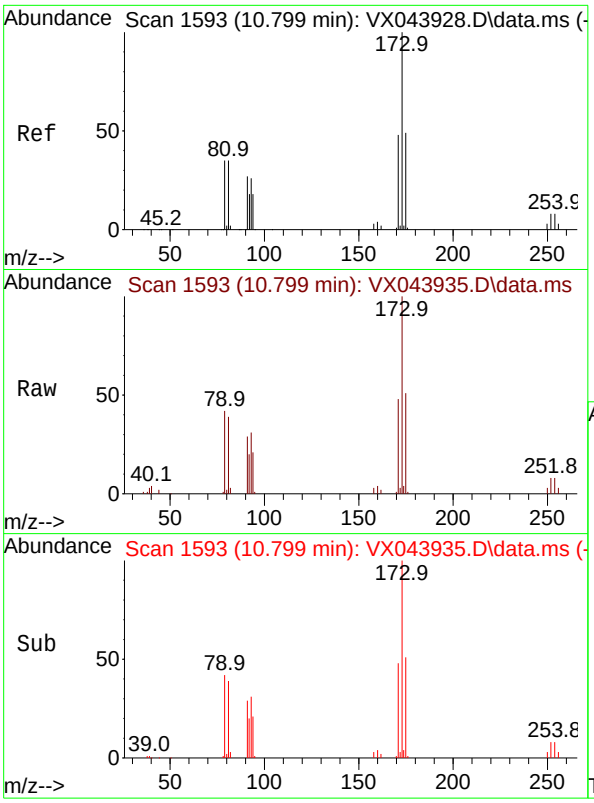




#70
Styrene
Concen: 18.840 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:104 Resp: 96289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 42.2 | 63.2 |
| 103 | 53.8 | 44.7 | 67.1 |

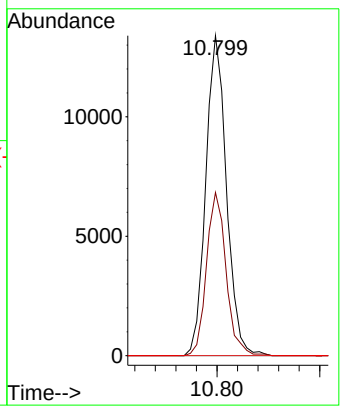





#71
Bromoform
Concen: 16.601 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:173 Resp: 1875

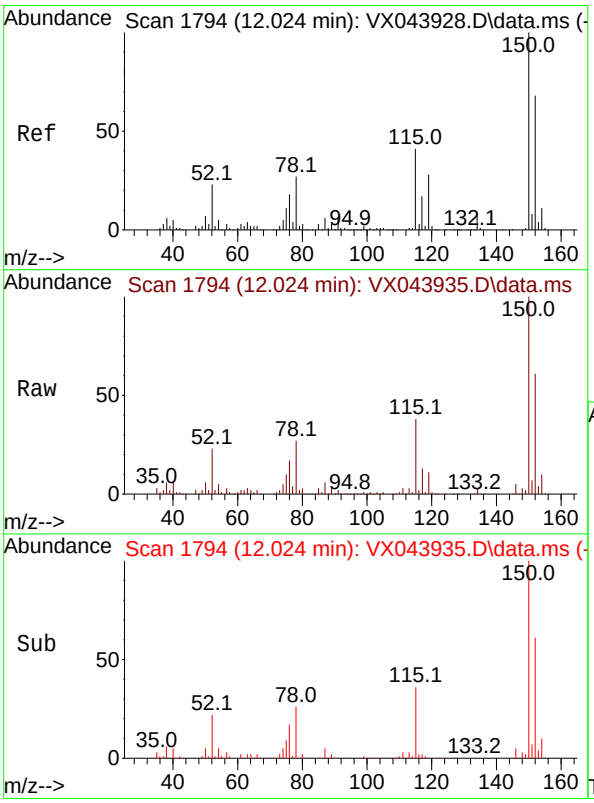
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

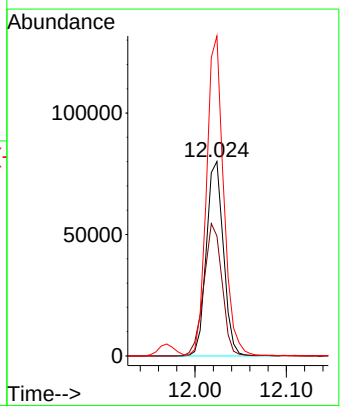
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

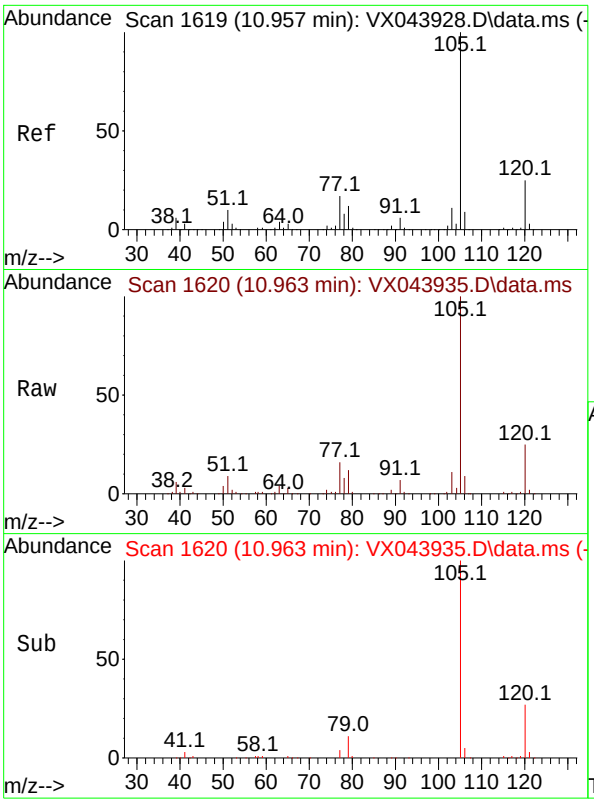



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:152 Resp: 103776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 72.3 | 45.4 | 136.2 |
| 150 | 164.9 | 0.0 | 353.0 |






#73
Isopropylbenzene
Concen: 18.864 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 15048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.7 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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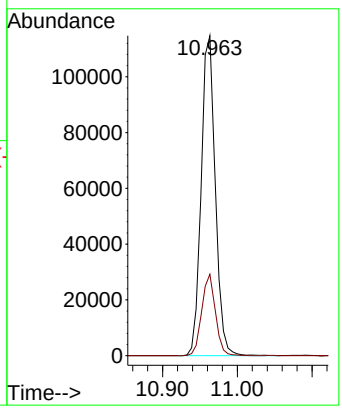
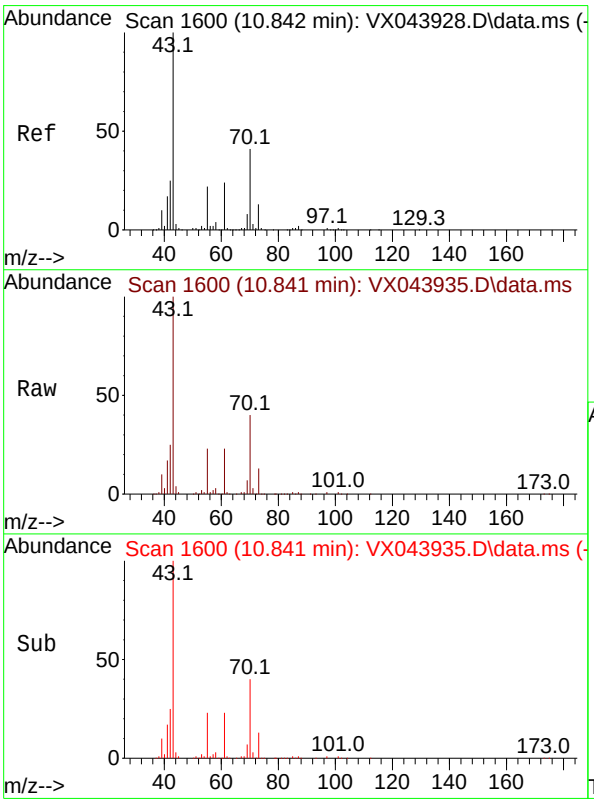
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

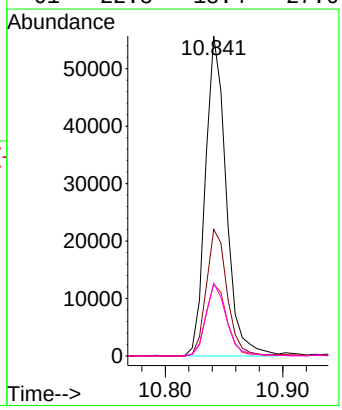


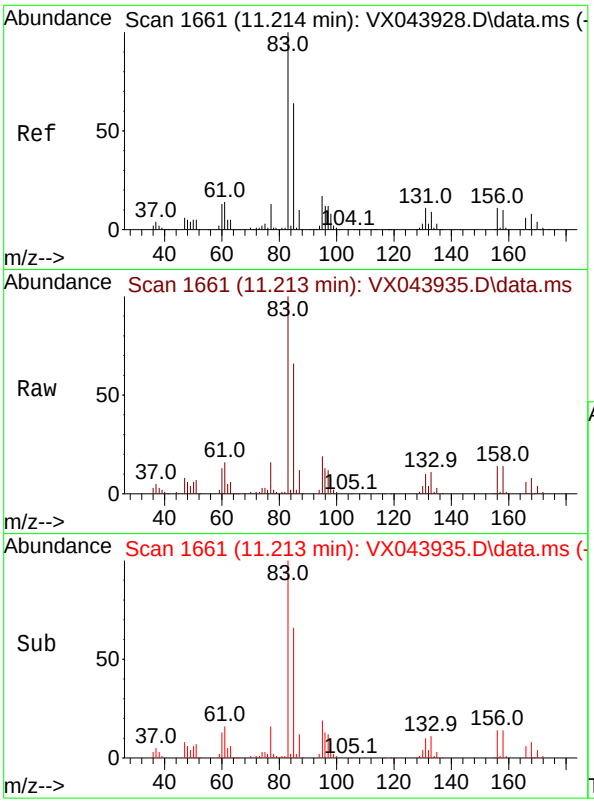




#74
N-amyl acetate
Concen: 18.505 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 68384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 32.2 | 48.2 |
| 55 | 23.0 | 18.1 | 27.1 |
| 61 | 22.8 | 18.4 | 27.6 |






#75
1,1,2,2-Tetrachloroethane
Concen: 18.911 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 83 Resp: 5165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.1 | 15.2 |
| 85 | 63.0 | 32.2 | 96.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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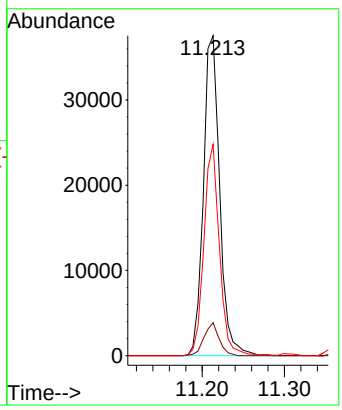
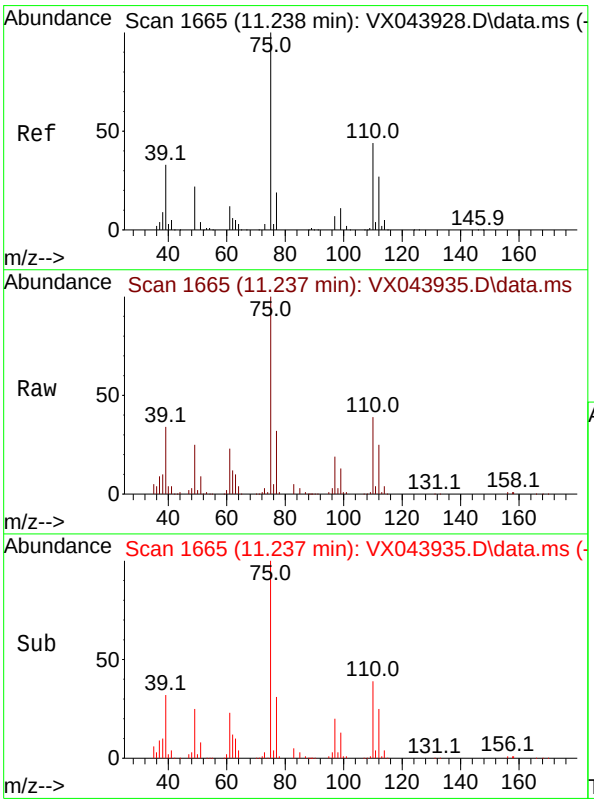
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

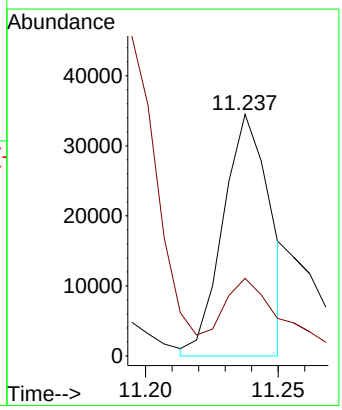


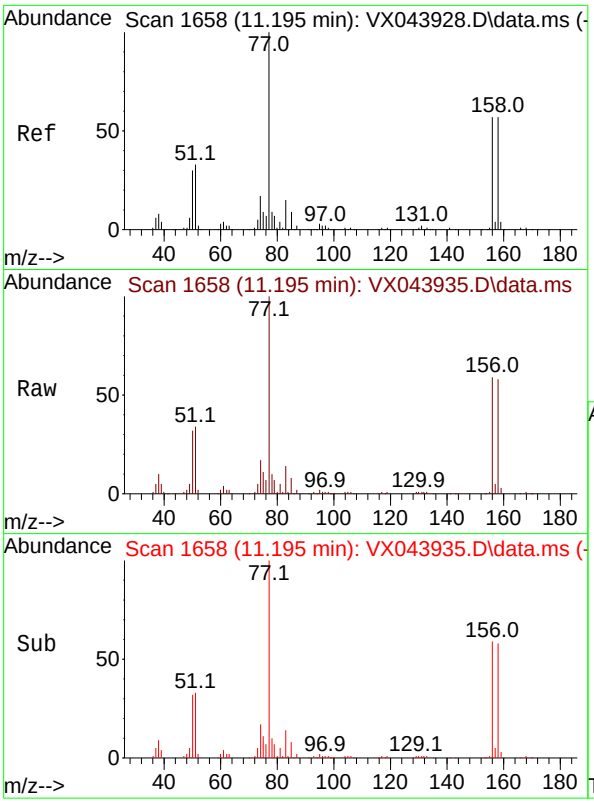




#76
1,2,3-Trichloropropane
Concen: 18.638 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 42416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.8 | 21.8 | 65.3 |






#77
Bromobenzene
Concen: 18.401 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:156 Resp: 3501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.7 | 83.4 | 250.1 |
| 158 | 95.6 | 47.6 | 142.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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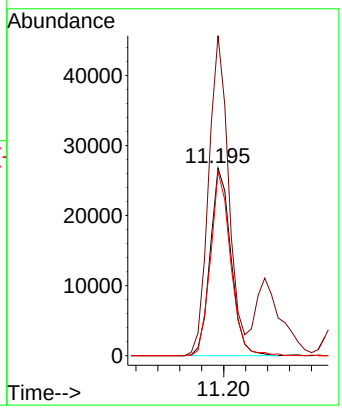
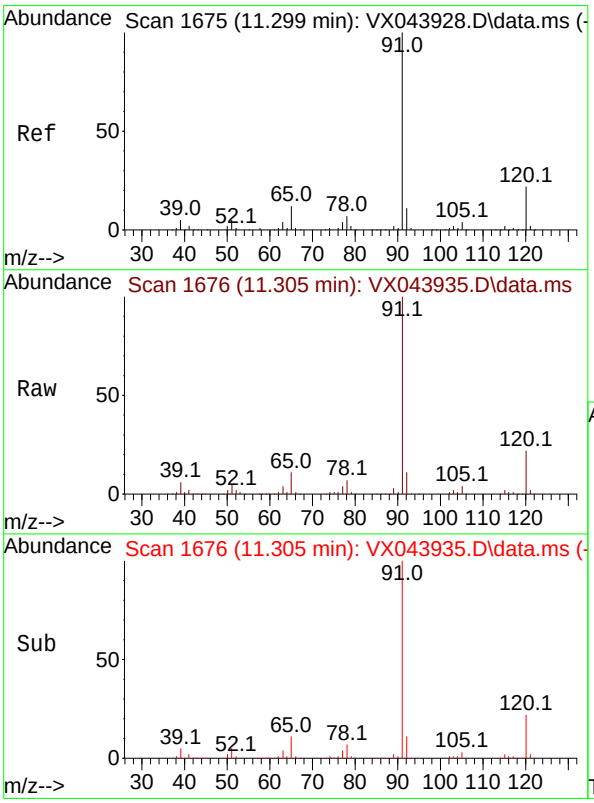
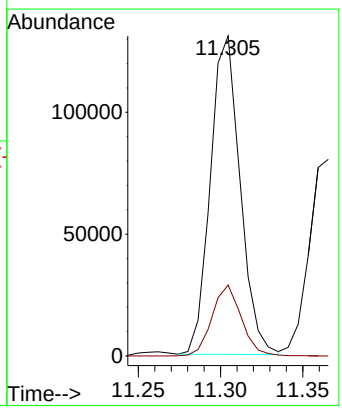


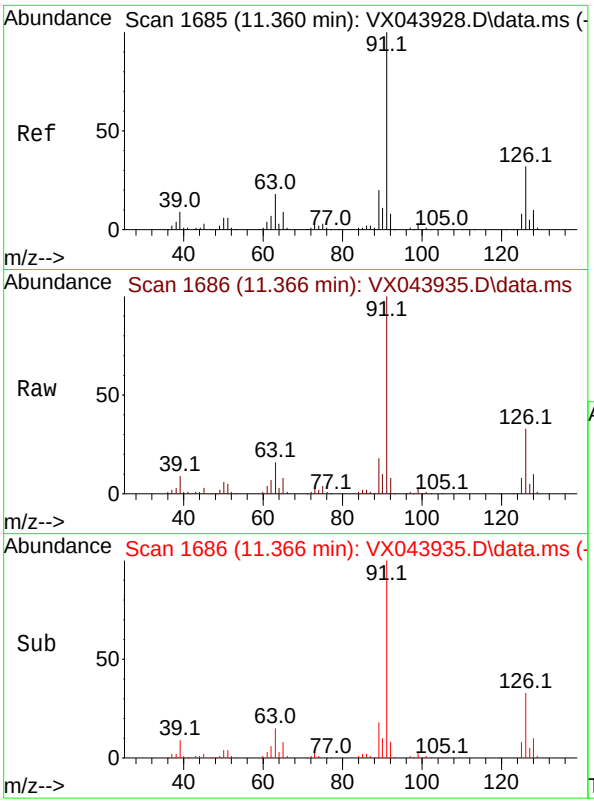




#78
n-propylbenzene
Concen: 18.470 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 164560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.5 | 34.4 |






#79
2-Chlorotoluene
Concen: 18.564 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 10458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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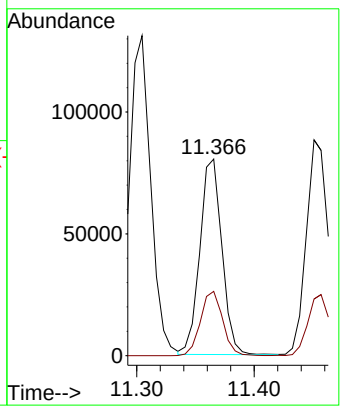
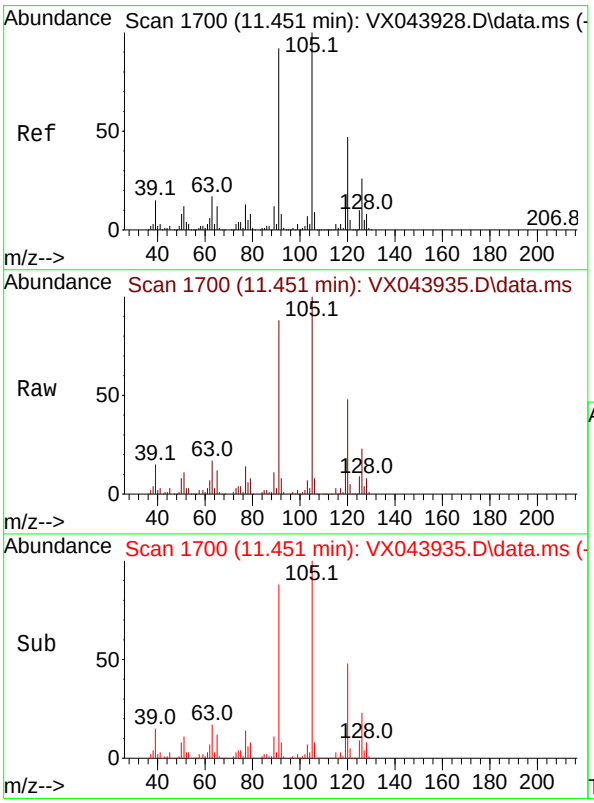
Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

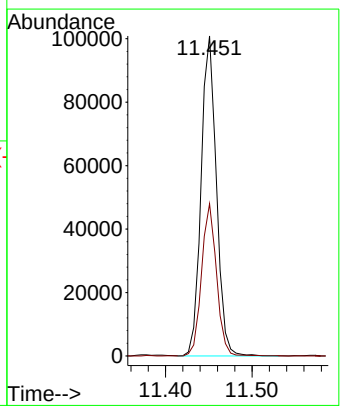


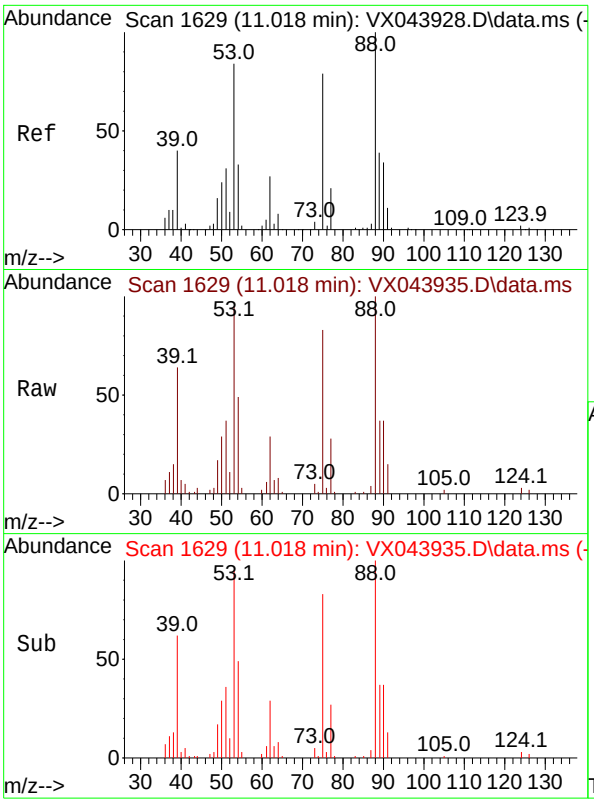




#80
1,3,5-Trimethylbenzene
Concen: 18.857 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 123757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.5 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 15.585 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 1299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 124.9 | 86.7 | 130.1 |
| 89 | 50.0 | 38.2 | 57.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/22/2024
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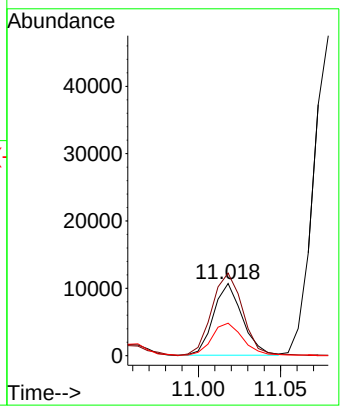
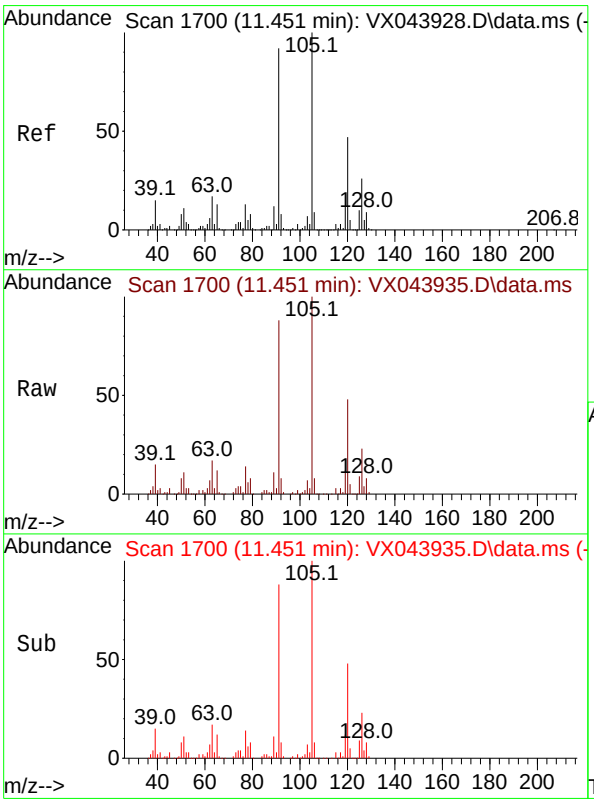
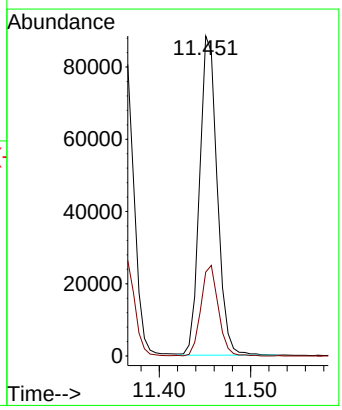


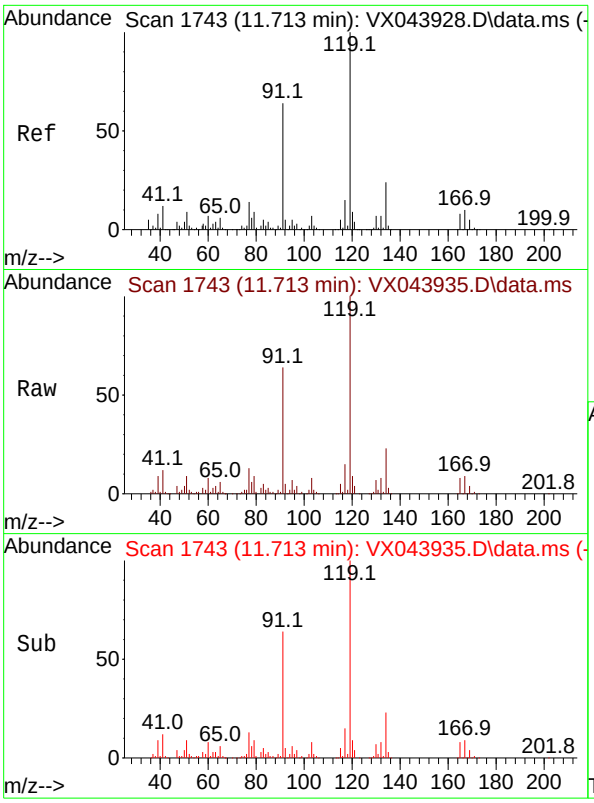




#82
4-Chlorotoluene
Concen: 18.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 117669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.2 | 14.3 | 42.9 |

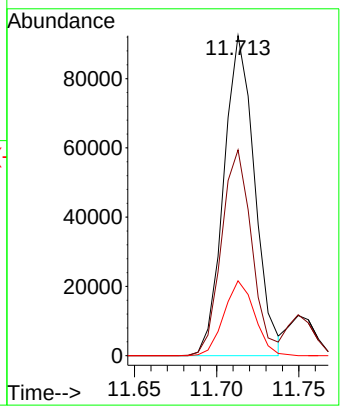





#83
tert-Butylbenzene
Concen: 18.524 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:119 Resp: 12049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.6 | 31.0 | 93.0 |
| 134 | 23.2 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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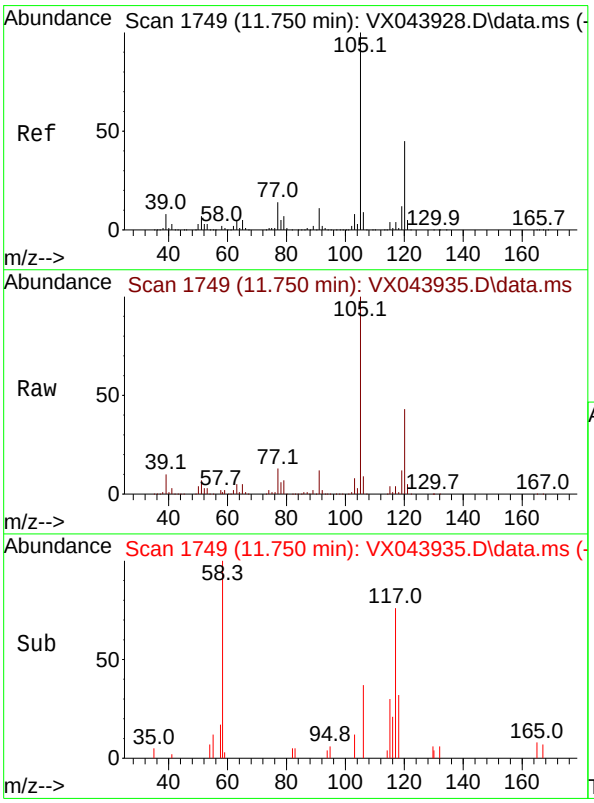
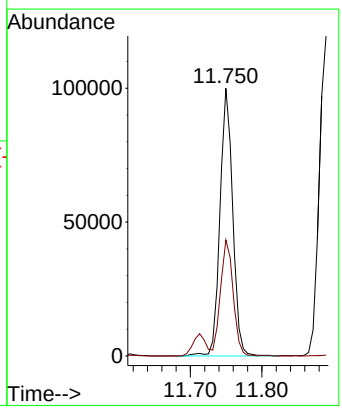
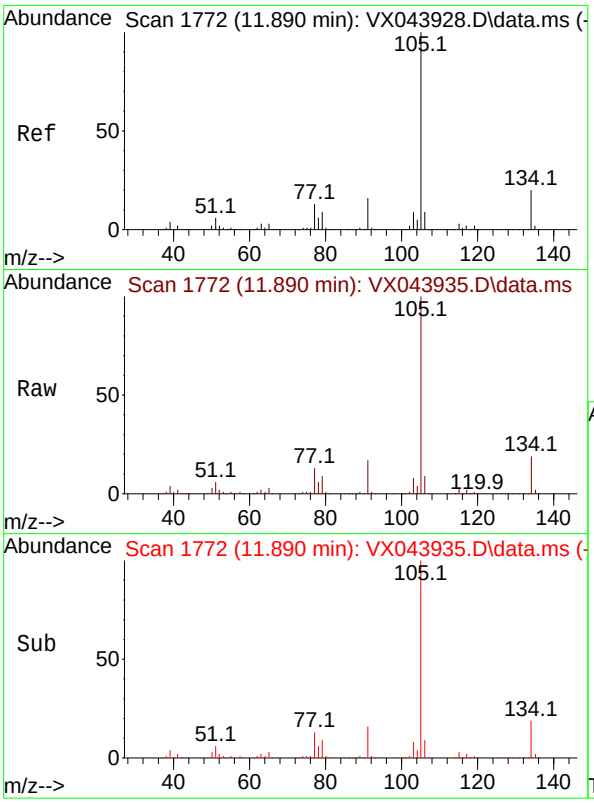



#84
1,2,4-Trimethylbenzene
Concen: 18.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 123662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 21.9 | 65.7 |






#85
sec-Butylbenzene
Concen: 18.404 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 14668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.5 | 9.7 | 29.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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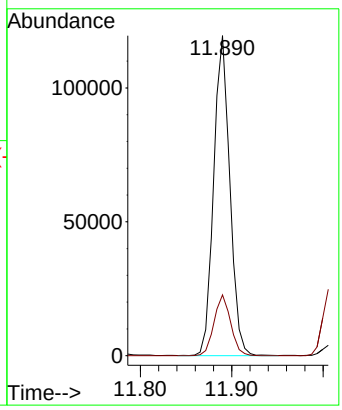
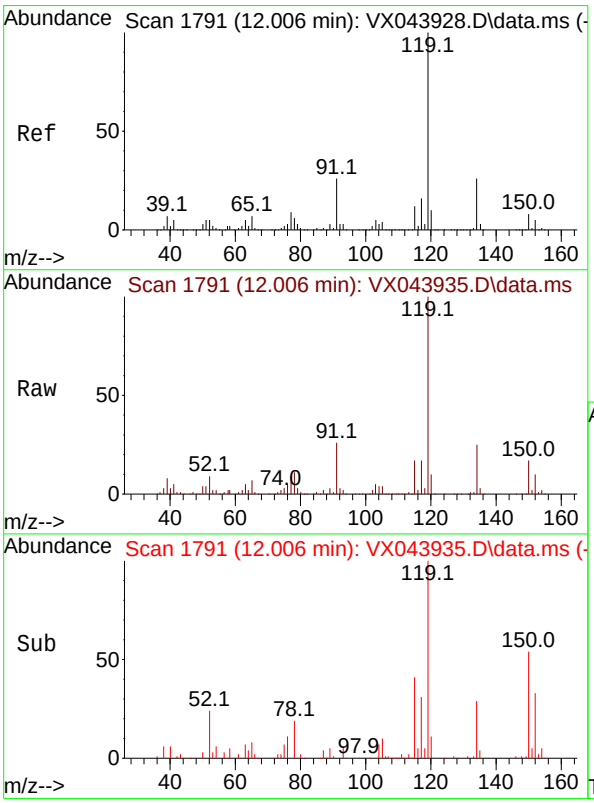
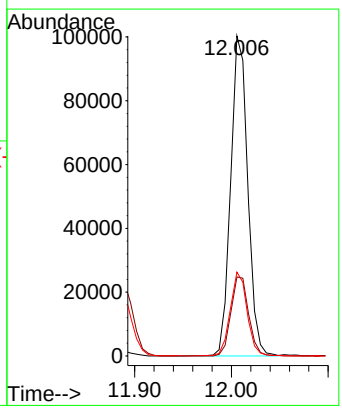


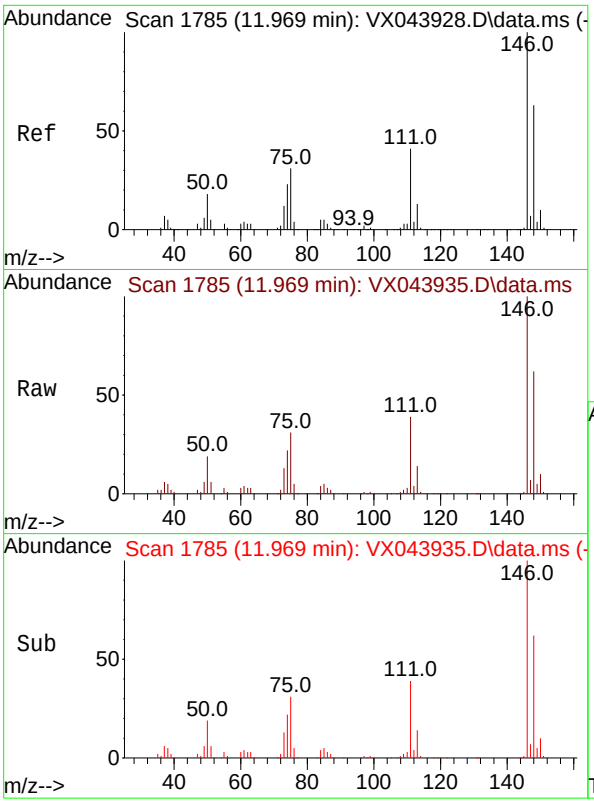




#86
p-Isopropyltoluene
Concen: 19.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:119 Resp: 123130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 26.0 | 13.0 | 38.9 |

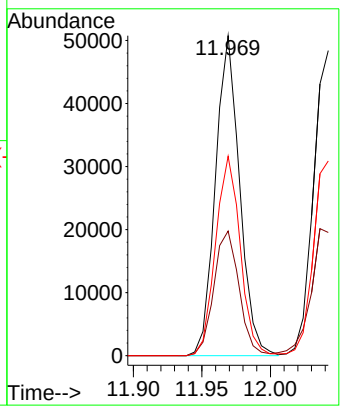





#87
1,3-Dichlorobenzene
Concen: 17.929 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:146 Resp: 6213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.1 | 63.3 |
| 148 | 63.8 | 31.7 | 95.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
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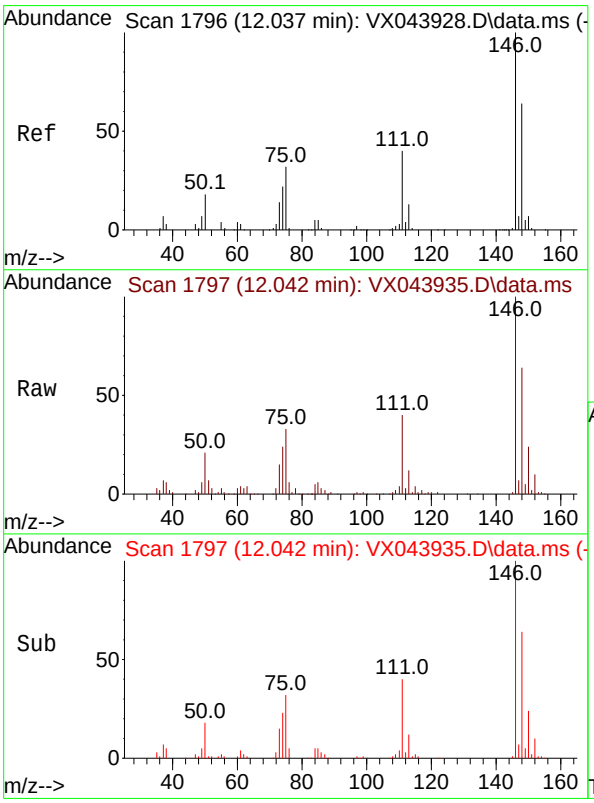
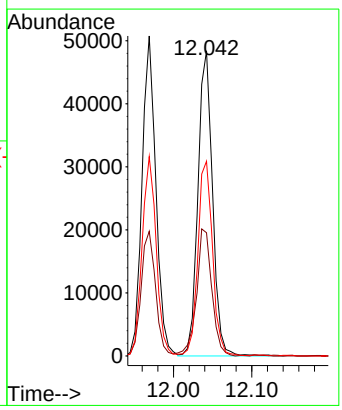
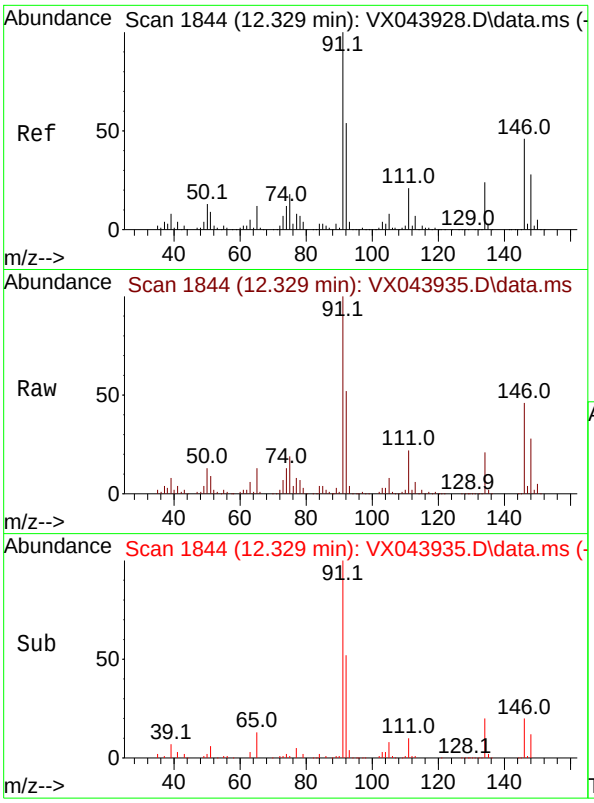



#88
1,4-Dichlorobenzene
Concen: 17.725 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:146 Resp: 62631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 20.1 | 60.3 |
| 148 | 63.9 | 30.9 | 92.8 |






#89
n-Butylbenzene
Concen: 18.151 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

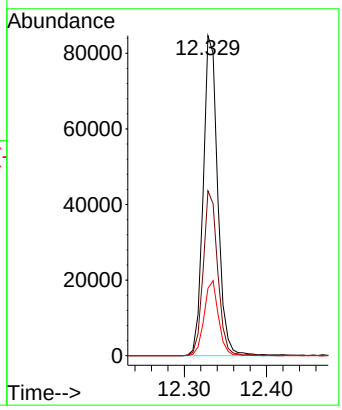
Tgt Ion: 91 Resp: 10360

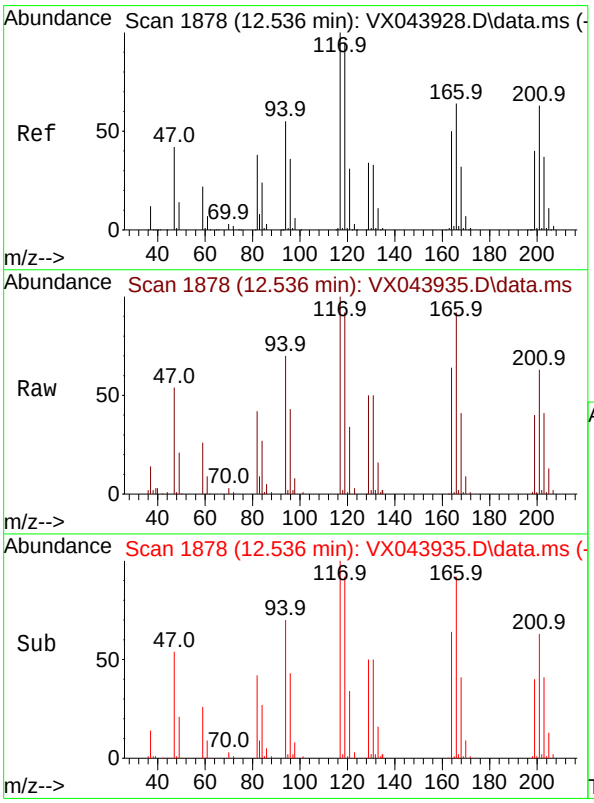
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.5 | 26.6 | 79.8 |
| 134 | 23.3 | 12.4 | 37.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

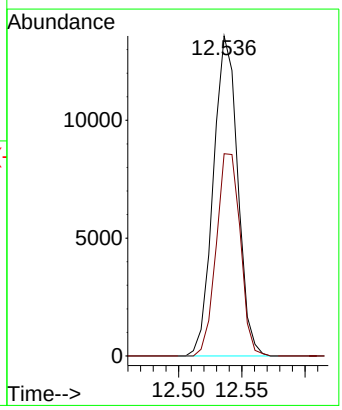


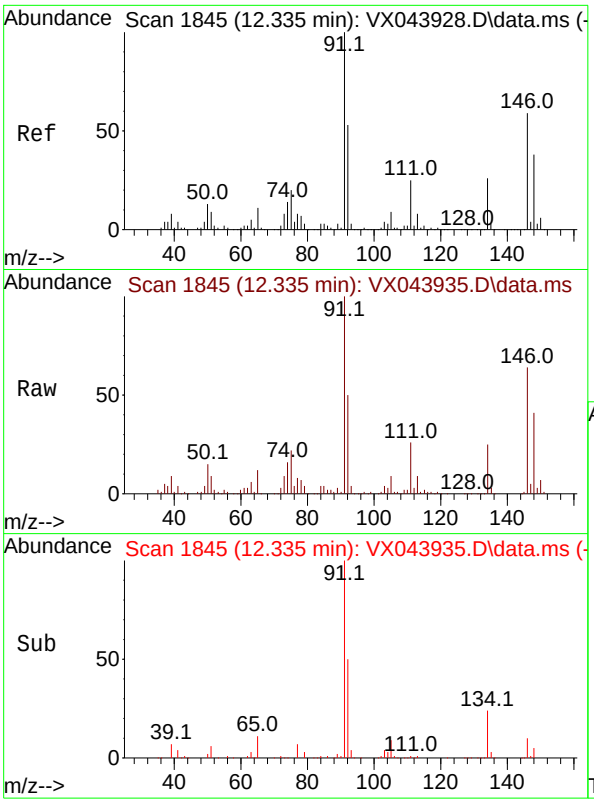




#90
Hexachloroethane
Concen: 16.519 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:117 Resp: 18185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.2 | 32.4 | 97.0 |






#91
1,2-Dichlorobenzene
Concen: 18.001 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

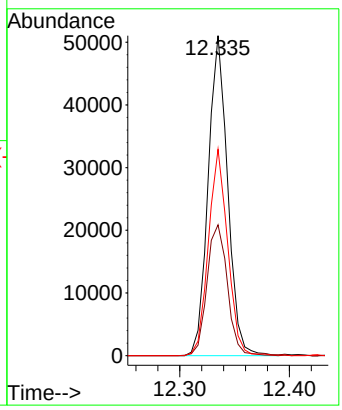
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

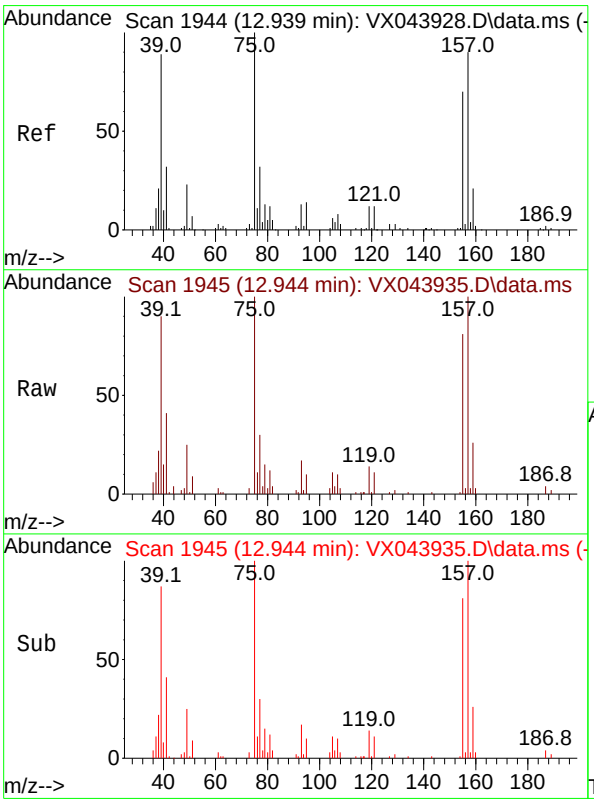
Tgt Ion:146 Resp: 6296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.5 | 64.5 |
| 148 | 63.9 | 31.9 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

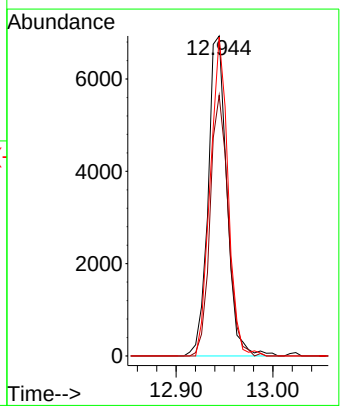


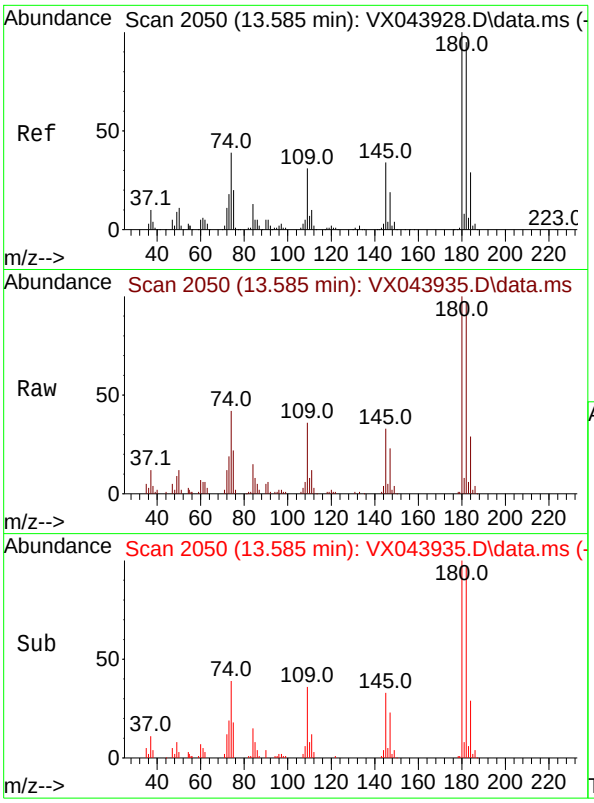




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.082 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 9349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.6 | 40.1 | 120.2 |
| 157 | 94.4 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 16.611 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

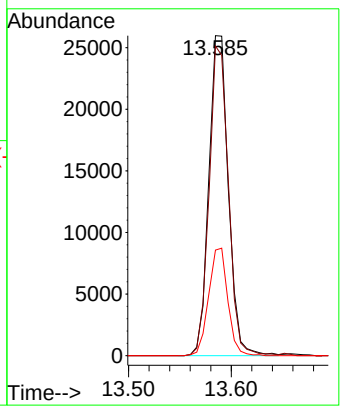
Tgt Ion:180 Resp: 3425

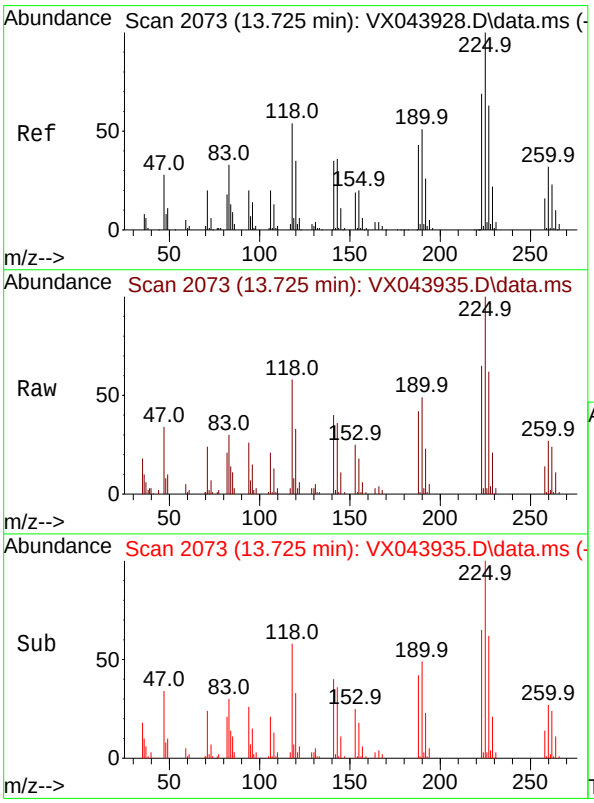
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.2 |
| 145 | 33.0 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

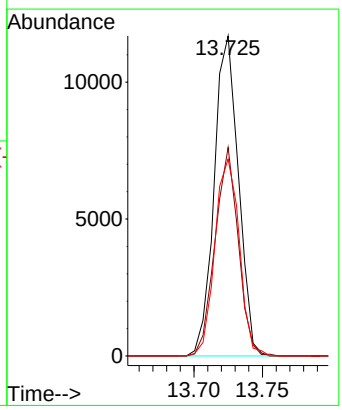


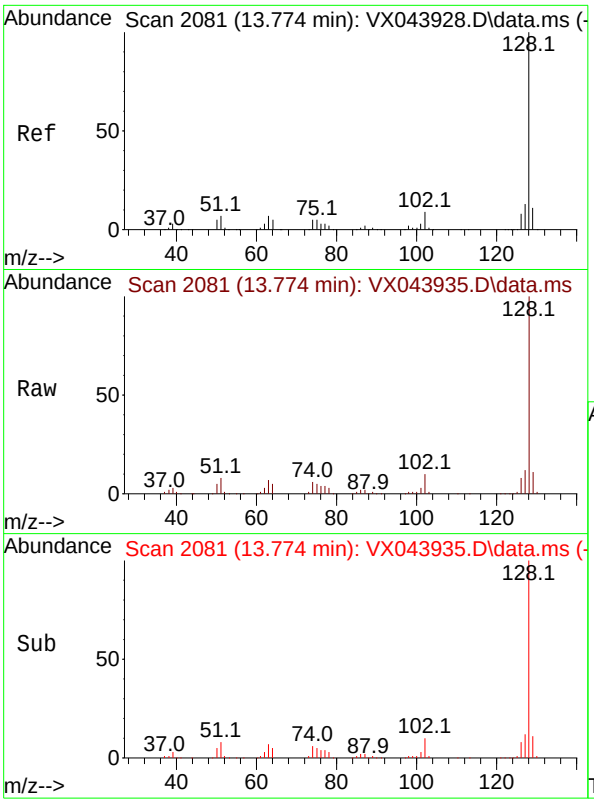




#94
Hexachlorobutadiene
Concen: 17.637 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:225 Resp: 14374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 32.9 | 98.6 |
| 227 | 61.9 | 31.6 | 94.8 |






#95
Naphthalene
Concen: 17.992 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

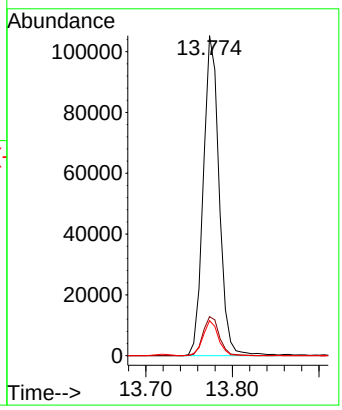
Tgt Ion:128 Resp: 13355

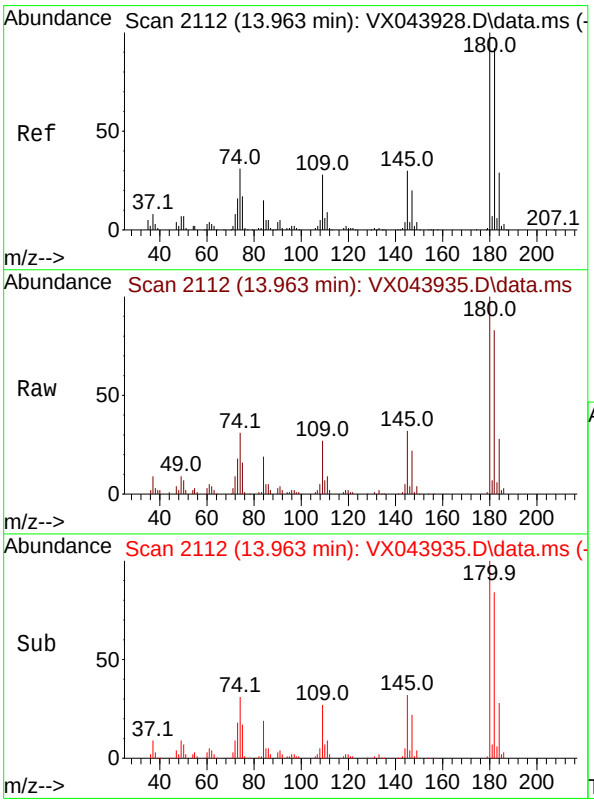
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.7 | 8.6 | 12.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/22/2024
Supervised By :Semsettin Yesilyurt 11/22/2024

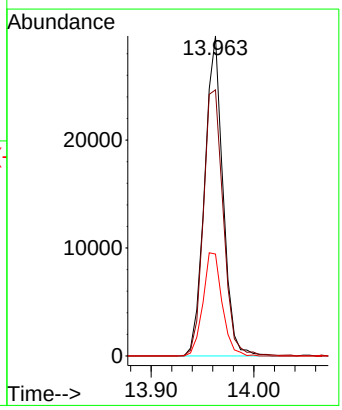



#96
1,2,3-Trichlorobenzene
Concen: 17.629 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:180 Resp: 36794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.4 | 45.6 | 136.8 |
| 145 | 33.8 | 16.4 | 49.4 |



Raw Data: **VX043953.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1122WBS01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1122WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043953.D | 1 | | 11/22/24 12:36 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 20.8 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 20.8 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 21.5 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 23.4 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.5 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.4 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 20.4 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 99.9 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.0 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 21.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.7 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 20.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 21.2 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 100 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.8 | | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 21.6 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 21.4 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.7 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 17.0 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 21.0 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 19.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 20.4 | | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 20.0 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.6 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043953.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | |
| Project: | CTO WE13 | Date Received: | |
| Client Sample ID: | VX1122WBS01 | SDG No.: | P4934 |
| Lab Sample ID: | VX1122WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043953.D | 1 | | 11/22/24 12:36 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 18.7 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.9 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.3 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 20.7 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 16.9 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 21.1 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21.6 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.6 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.0 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.7 | | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.0 | | 81 - 118 | | 108% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.5 | | 80 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.9 | | 89 - 112 | | 102% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.4 | | 85 - 114 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 123000 | 5.543 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 229000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 196000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86700 | 12.018 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 122957 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 229417 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195535 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 86659 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 113852 | 53.986 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.980% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 82706 | 50.452 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.900% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 287688 | 50.911 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96910 | 50.392 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.780% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 31130 | 19.985 | ug/l | 94 |
| 3) Chloromethane | 1.294 | 50 | 34079 | 20.791 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 36280 | 20.809 | ug/l | 100 |
| 5) Bromomethane | 1.599 | 94 | 23111 | 21.548 | ug/l | 97 |
| 6) Chloroethane | 1.666 | 64 | 24828 | 23.371 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 60641 | 19.455 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 23915 | 21.050 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 30353 | 20.414 | ug/l | 97 |
| 10) Methyl Iodide | 2.446 | 142 | 39789 | 21.427 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.989 | 59 | 34049 | 100.588 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 28927 | 20.417 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 37938 | 106.330 | ug/l | 95 |
| 14) Allyl chloride | 2.660 | 41 | 48638 | 21.009 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 85765 | 103.970 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 96805 | 99.942 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 49804 | 17.041 | ug/l # | 95 |
| 18) Methyl Acetate | 2.703 | 43 | 46269 | 20.512 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 110640 | 21.507 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 34071 | 20.728 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30530 | 20.871 | ug/l | 95 |
| 22) Diisopropyl ether | 3.757 | 45 | 109520 | 22.124 | ug/l # | 87 |
| 23) Vinyl Acetate | 3.721 | 43 | 453316 | 107.047 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 60662 | 21.241 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 130824 | 104.675 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 52043 | 20.178 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 37579 | 20.783 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 24947 | 19.846 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 79046 | 103.164 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 66350 | 21.602 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 46697 | 19.867 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 56657 | 21.390 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 41234 | 20.185 | ug/l | 97 |
| 37) Ethyl Acetate | 4.714 | 43 | 49752 | 19.620 | ug/l # | 92 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 43324 | 18.875 | ug/l | 95 |
| 39) Methylcyclohexane | 7.372 | 83 | 49229 | 18.550 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 129291 | 20.319 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 26340 | 20.295 ug/l # | 93 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 52905 | 20.702 ug/l | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 81776 | 20.264 ug/l | 100 |
| 44) Trichloroethene | 7.122 | 130 | 30582 | 16.978 ug/l | 89 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 32777 | 21.032 ug/l | 97 |
| 46) Dibromomethane | 7.574 | 93 | 25316 | 20.535 ug/l | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 43925 | 19.866 ug/l | 96 |
| 48) Methyl methacrylate | 7.689 | 41 | 38226 | 19.741 ug/l | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 11659 | 338.011 ug/l # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 248440 | 100.883 ug/l | 100 |
| 52) Toluene | 8.714 | 92 | 77505 | 20.351 ug/l | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 45015 | 19.965 ug/l | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 48377 | 19.572 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31640 | 20.126 ug/l | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 49905 | 20.380 ug/l | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 55597 | 20.993 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 122520 | 90.630 ug/l | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 186272 | 100.633 ug/l | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 29549 | 18.733 ug/l | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 32532 | 20.465 ug/l | 98 |
| 64) Tetrachloroethene | 9.274 | 164 | 26135 | 20.270 ug/l | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 85495 | 19.908 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28882 | 20.737 ug/l | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 148481 | 20.404 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 109390 | 40.309 ug/l | 98 |
| 69) o-Xylene | 10.640 | 106 | 54754 | 20.665 ug/l | 99 |
| 70) Styrene | 10.652 | 104 | 90186 | 20.579 ug/l | 98 |
| 71) Bromoform | 10.799 | 173 | 16436 | 16.936 ug/l # | 94 |
| 73) Isopropylbenzene | 10.963 | 105 | 140447 | 21.084 ug/l | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 63571 | 20.600 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 49179 | 21.561 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 39969m | 21.032 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 32930 | 20.723 ug/l | 96 |
| 78) n-propylbenzene | 11.305 | 91 | 155584 | 20.912 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 100875 | 21.442 ug/l | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 119899 | 21.878 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11627 | 16.695 ug/l # | 84 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 112420 | 21.166 ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 114224 | 21.028 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 116894 | 21.424 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 136947 | 20.577 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 114908 | 21.255 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 59626 | 20.602 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 58980 | 19.988 ug/l | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 99700 | 20.917 ug/l | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 17220 | 18.732 ug/l | 91 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 60326 | 20.654 ug/l | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 7938 | 17.368 ug/l | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 33614 | 19.521 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 13463 | 19.782 ug/l | 98 |
| 95) Naphthalene | 13.774 | 128 | 124279 | 20.050 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 35212 | 20.203 ug/l | 97 |

Sample Results: **VX043953.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

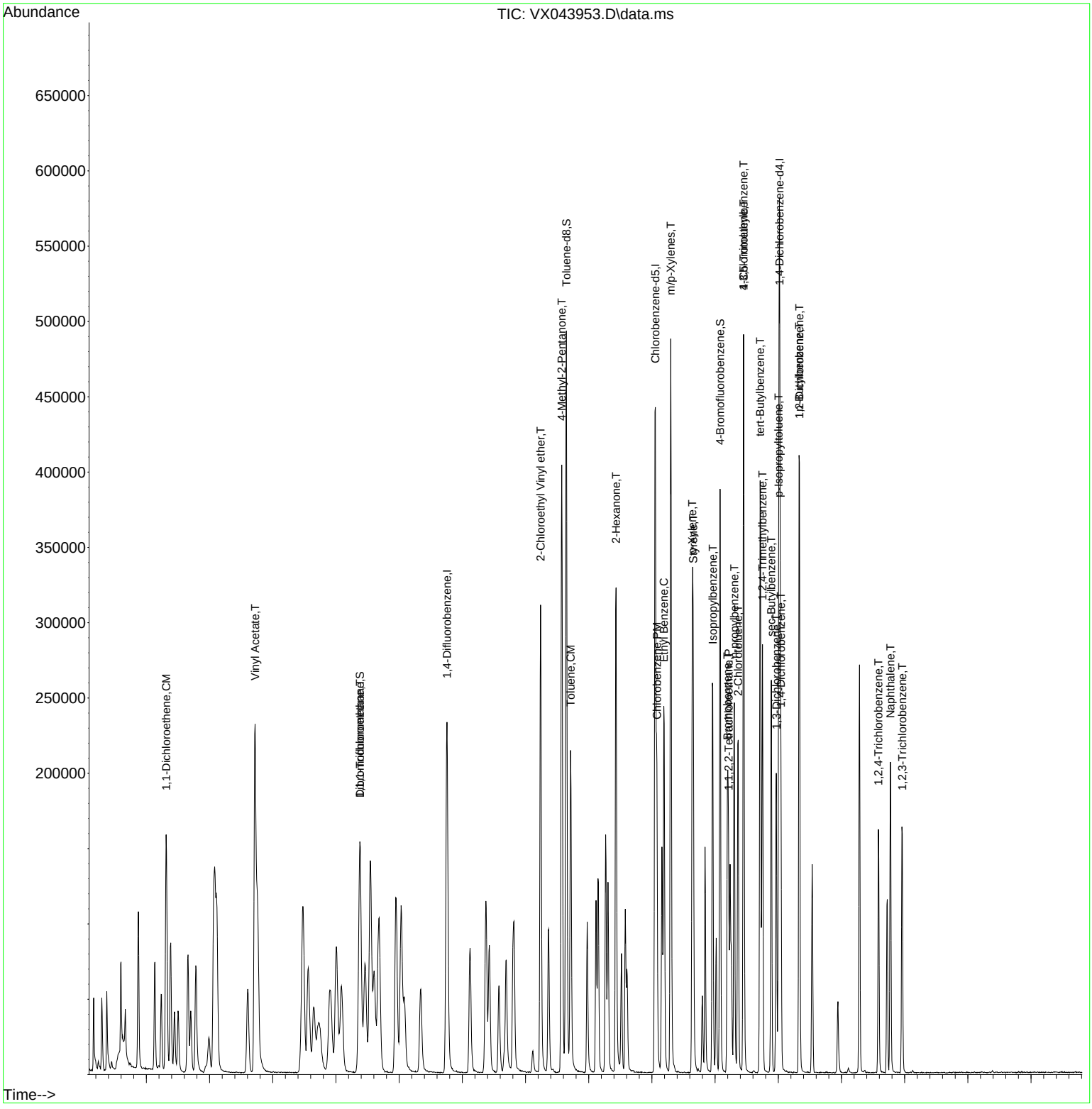
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

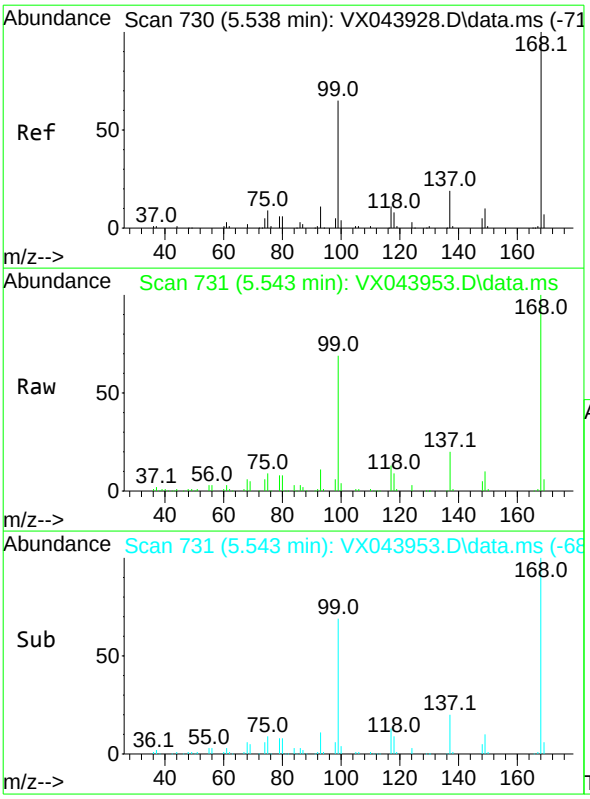
Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

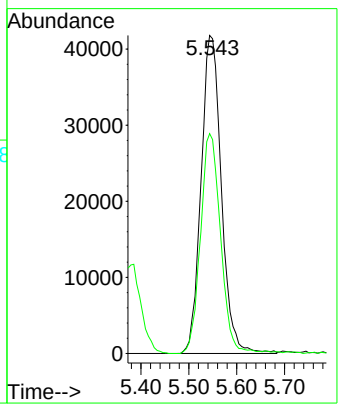





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 73
Delta R.T. 0.005 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:168 Resp: 122957

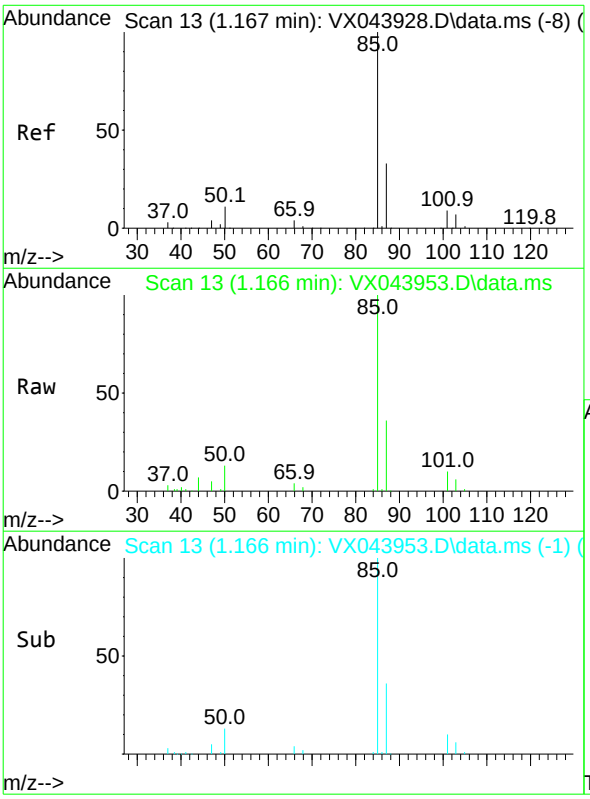
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.1 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

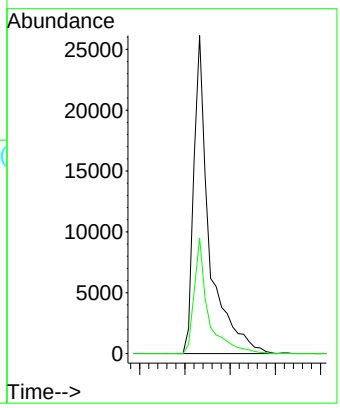
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

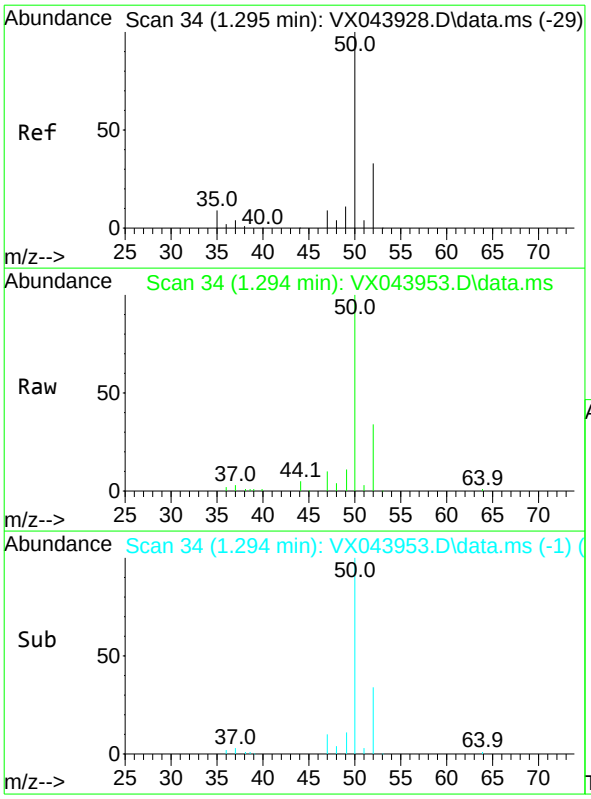



#2
Dichlorodifluoromethane
Concen: 19.985 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.3 | 16.6 | 49.8 |

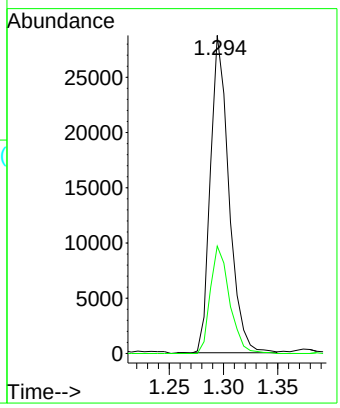





#3
Chloromethane
Concen: 20.791 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 50 Resp: 34079

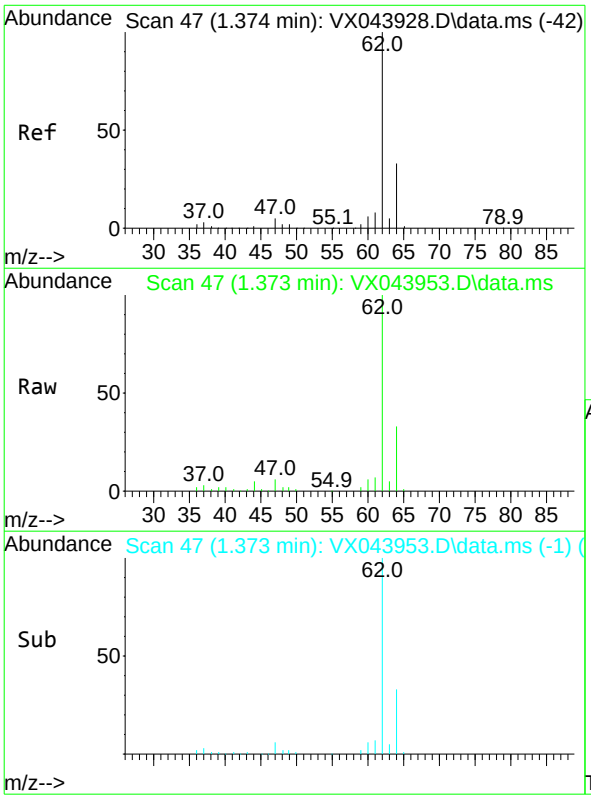
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

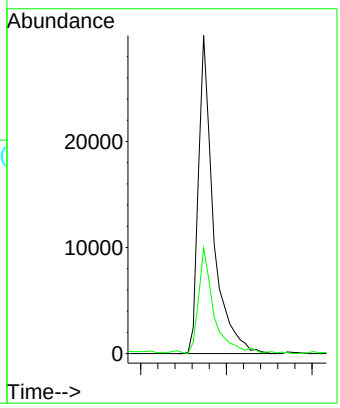
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

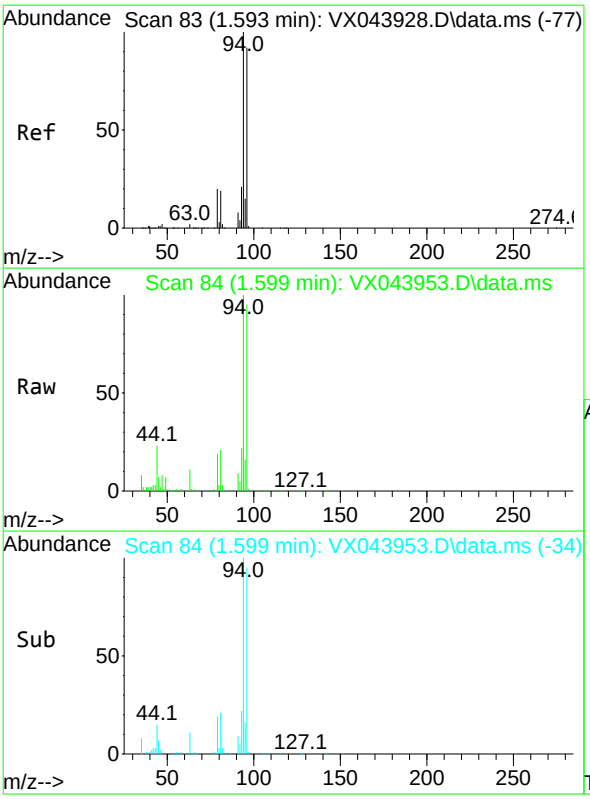



#4
Vinyl Chloride
Concen: 20.809 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 36280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.0 | 26.2 | 39.4 |

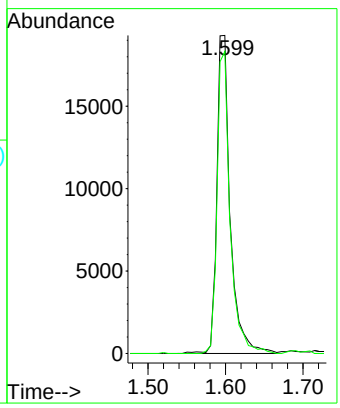





#5
Bromomethane
Concen: 21.548 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 94 Resp: 23111

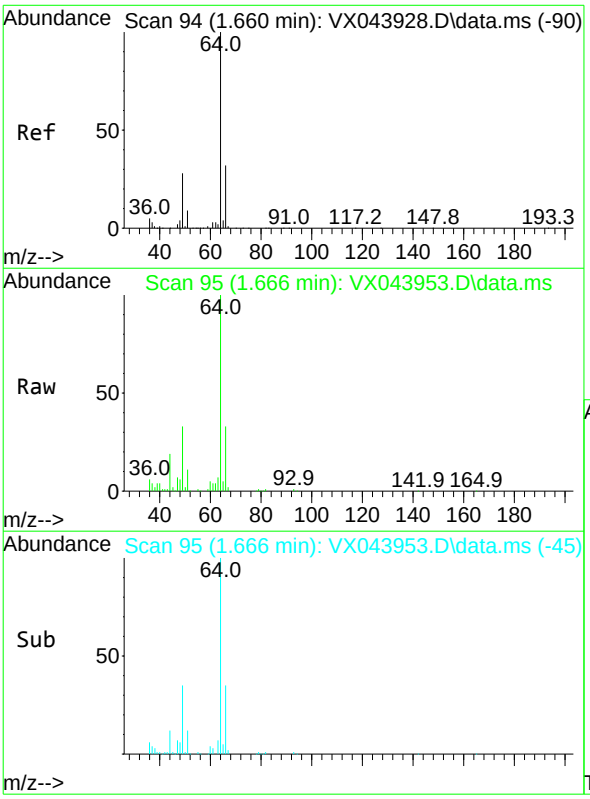
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.9 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

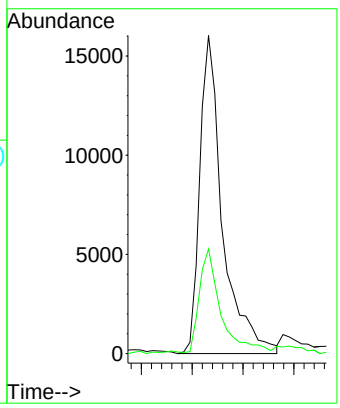
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

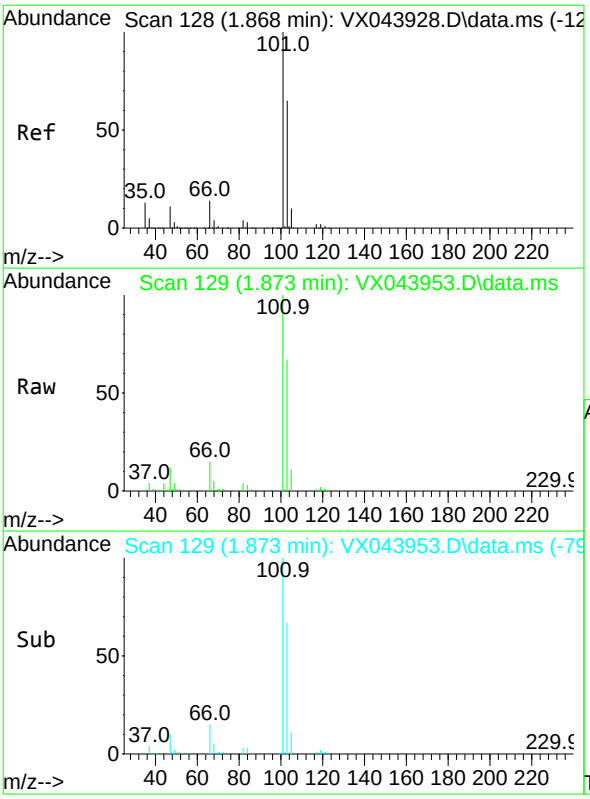



#6
Chloroethane
Concen: 23.371 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.9 | 38.9 |

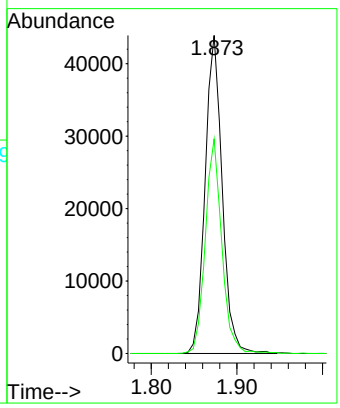





#7
Trichlorofluoromethane
Concen: 19.455 ug/l
RT: 1.873 min Scan# 12
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:101 Resp: 60641

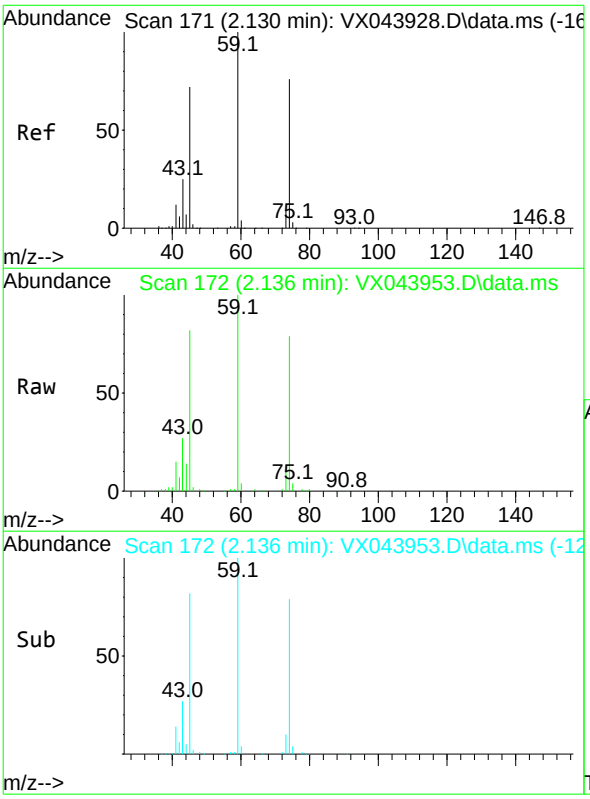
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.5 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

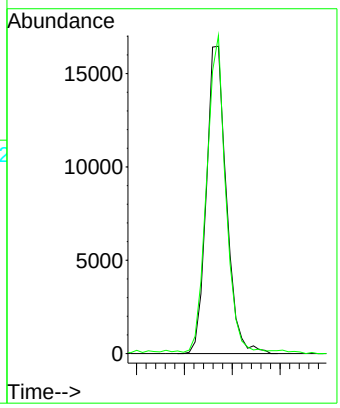
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

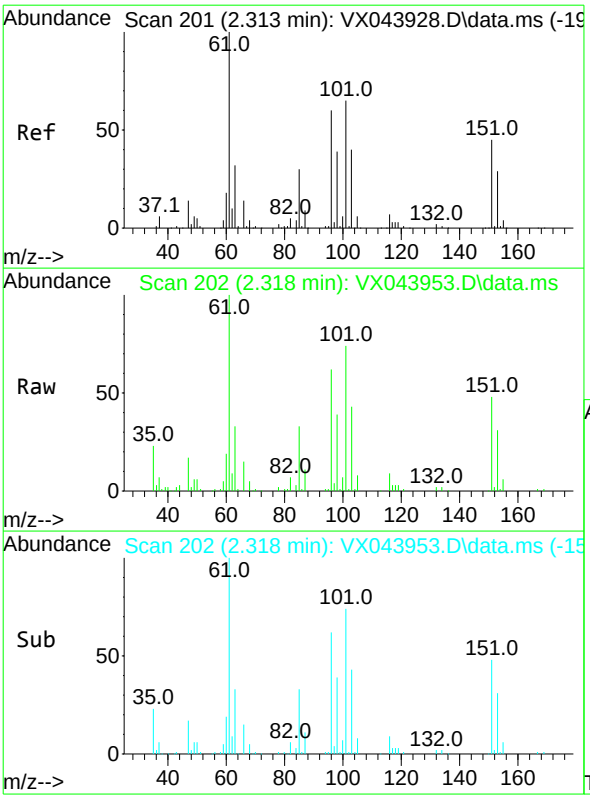



#8
Diethyl Ether
Concen: 21.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.414 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

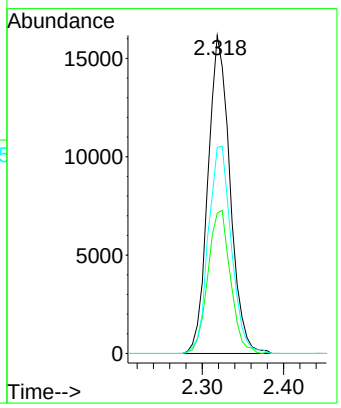
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

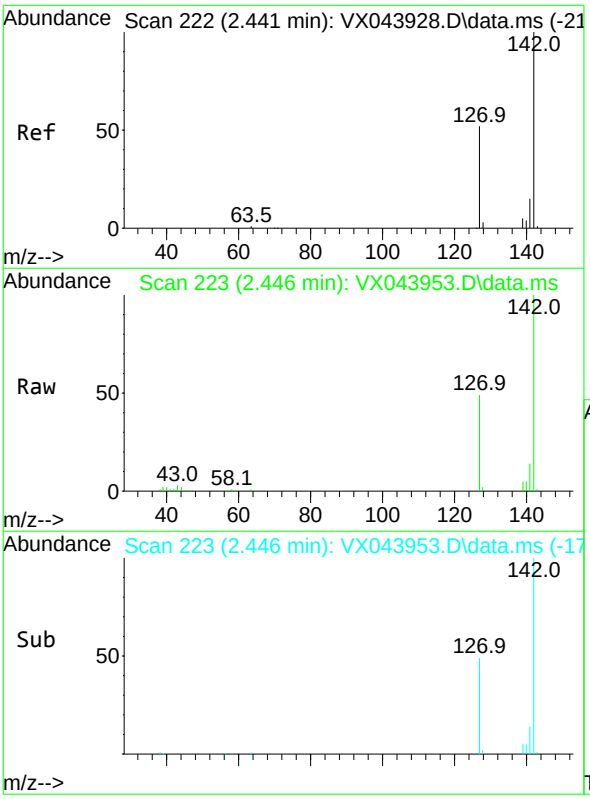
Tgt Ion:101 Resp: 30353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.1 | 37.9 | 56.9 |
| 151 | 68.2 | 57.5 | 86.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

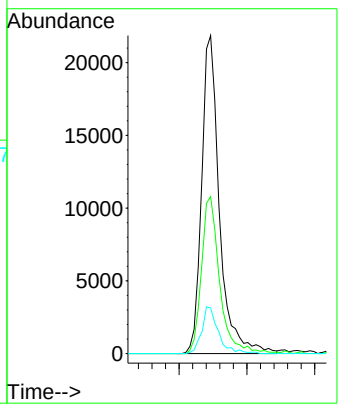


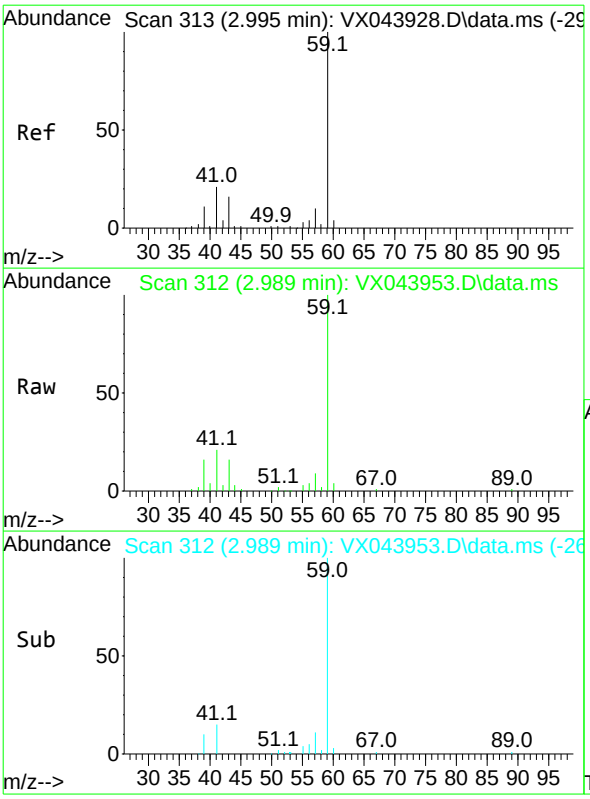




#10
Methyl Iodide
Concen: 21.427 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.4 | 40.7 | 61.1 |
| 141 | 13.8 | 12.0 | 18.0 |

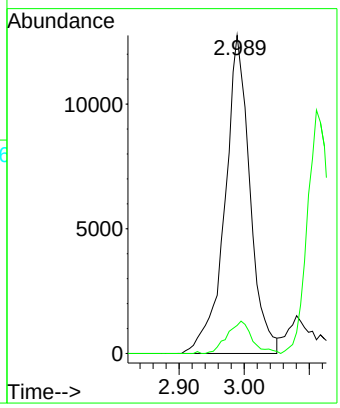





#11
Tert butyl alcohol
Concen: 100.588 ug/l
RT: 2.989 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 59 Resp: 34049

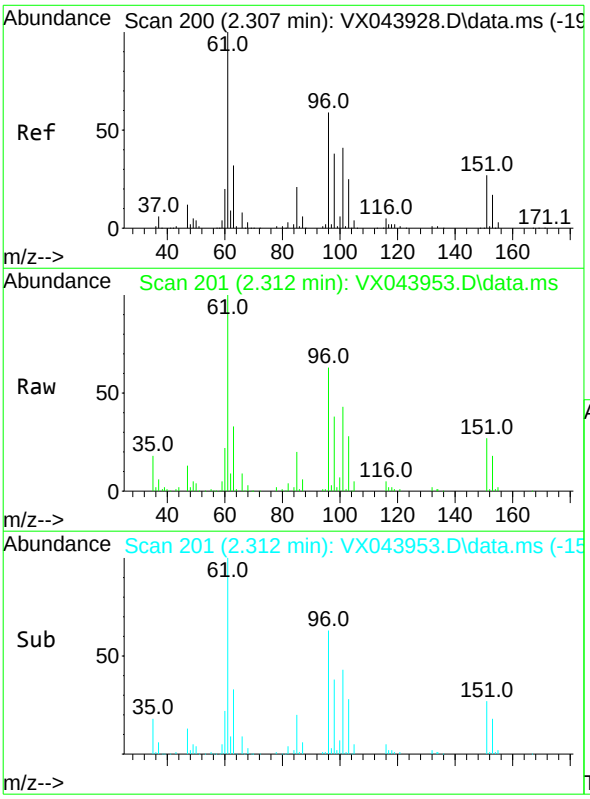
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

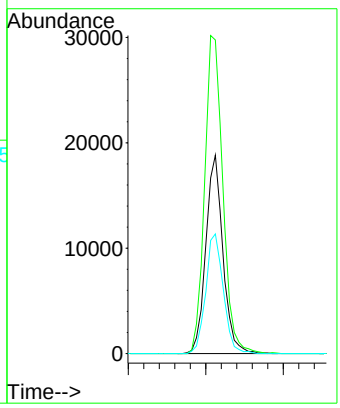
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

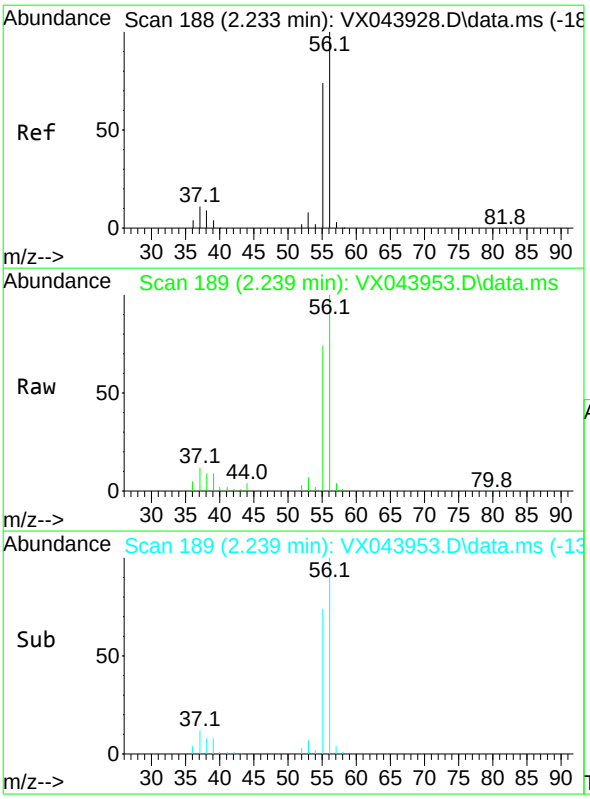



#12
1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.0 | 135.5 | 203.3 |
| 98 | 60.3 | 50.8 | 76.2 |

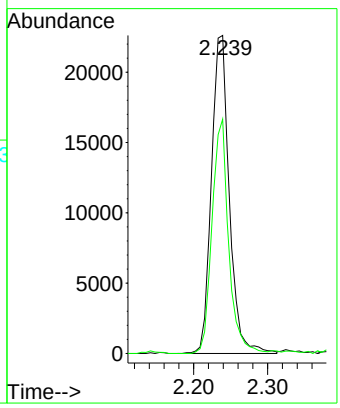





#13
Acrolein
Concen: 106.330 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 56 Resp: 37938

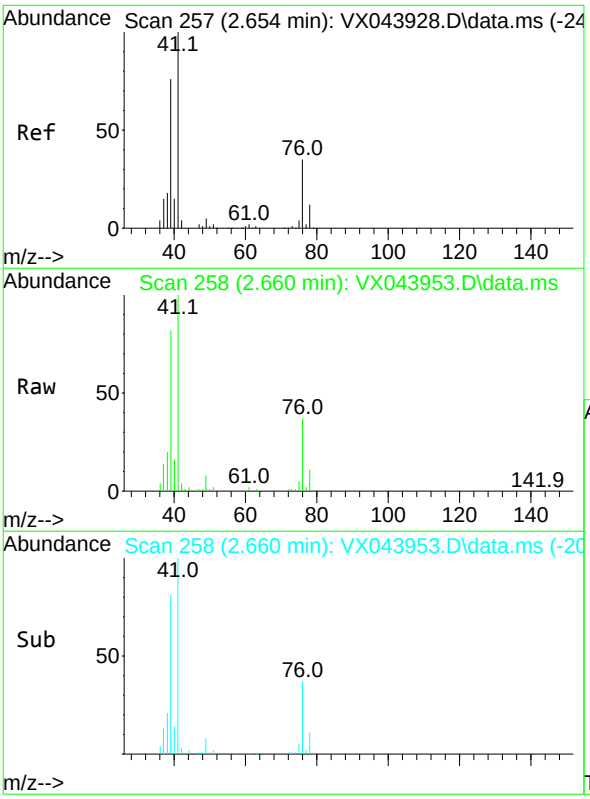
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.4 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

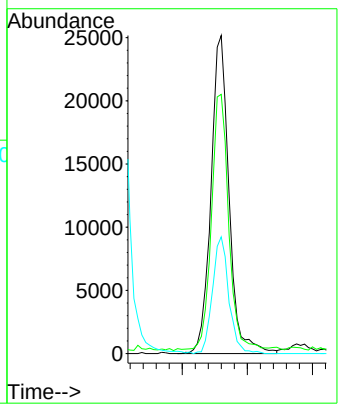
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

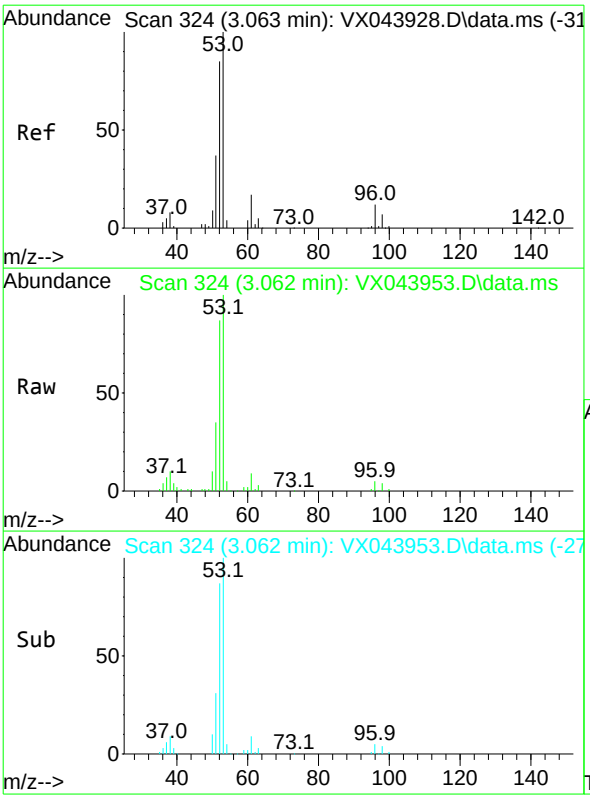



#14
Allyl chloride
Concen: 21.009 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.4 | 59.5 | 89.3 |
| 76 | 33.1 | 27.4 | 41.2 |

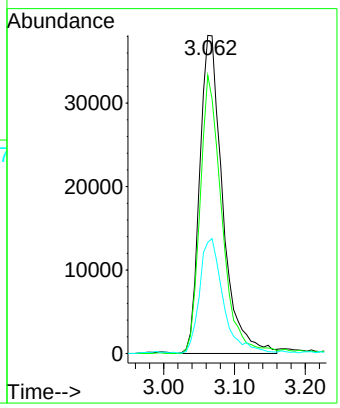





#15
Acrylonitrile
Concen: 103.970 ug/l
RT: 3.062 min Scan# 32
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 53 Resp: 85765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.4 | 66.5 | 99.7 |
| 51 | 36.9 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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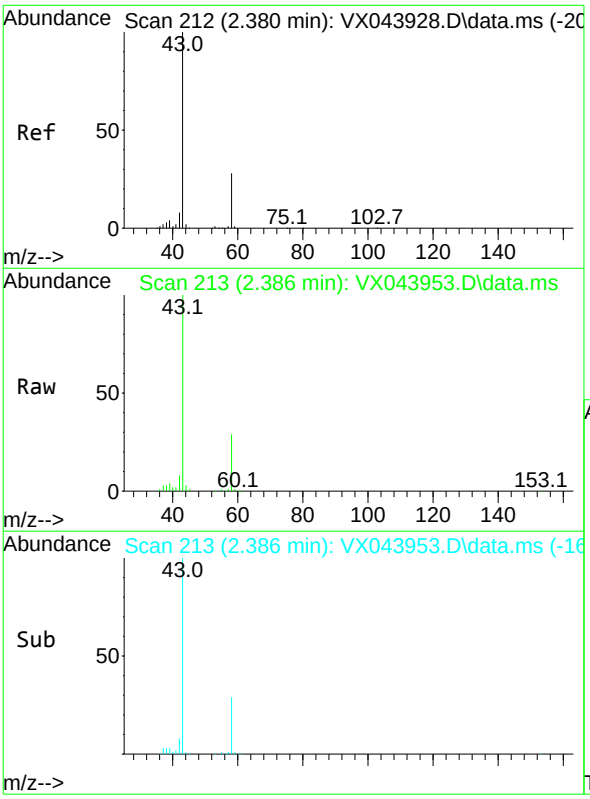
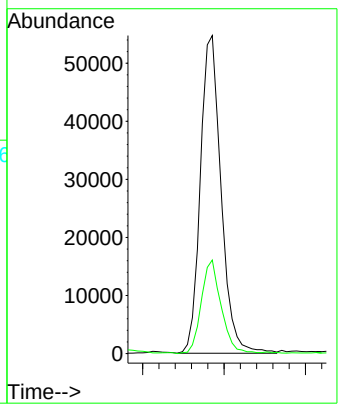
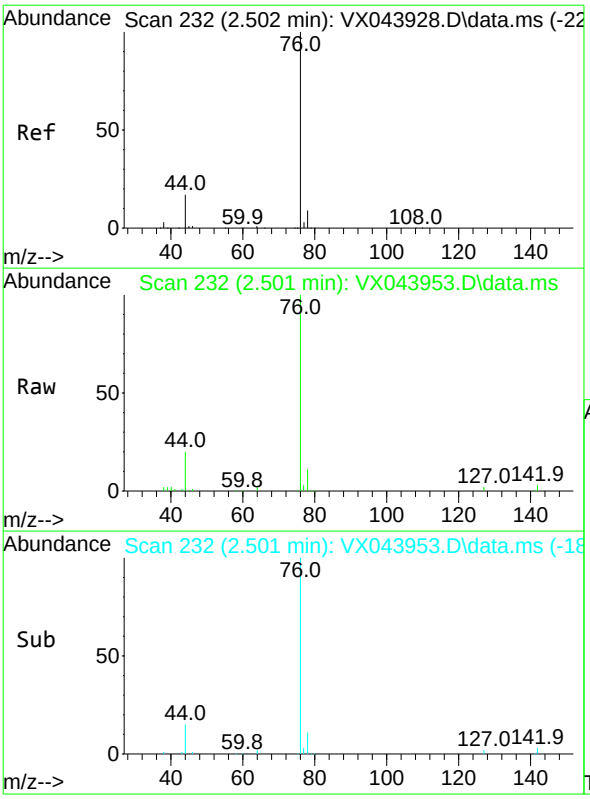



#16
Acetone
Concen: 99.942 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 96805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 76 Resp: 49804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.6 | 7.0 | 10.6# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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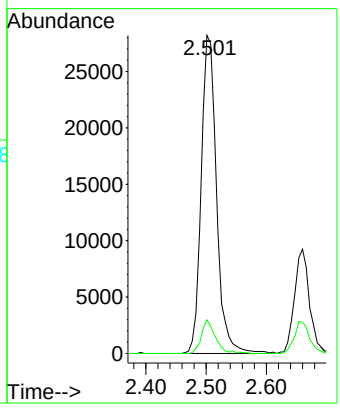
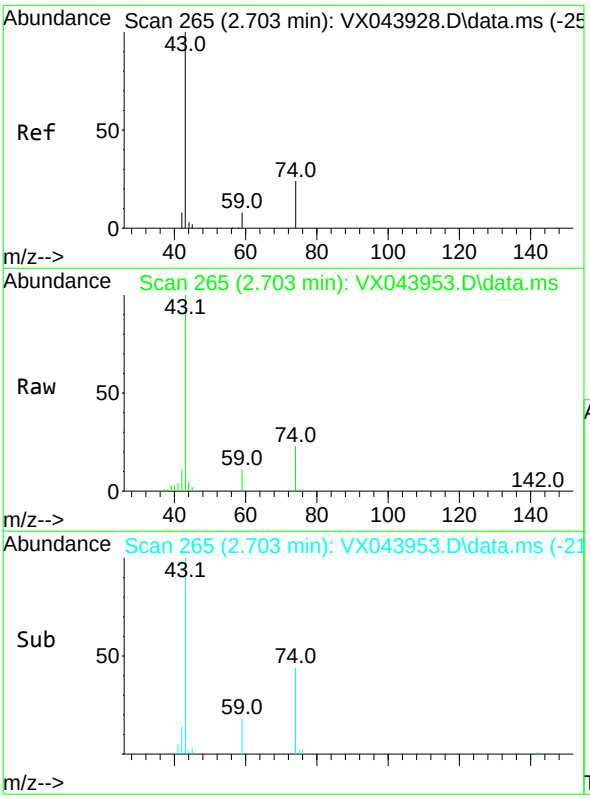
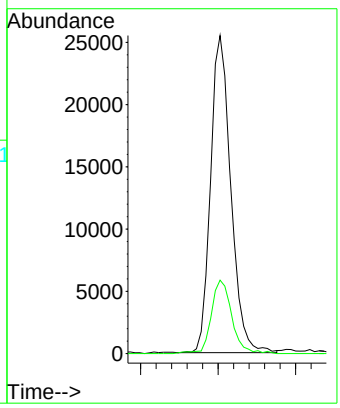


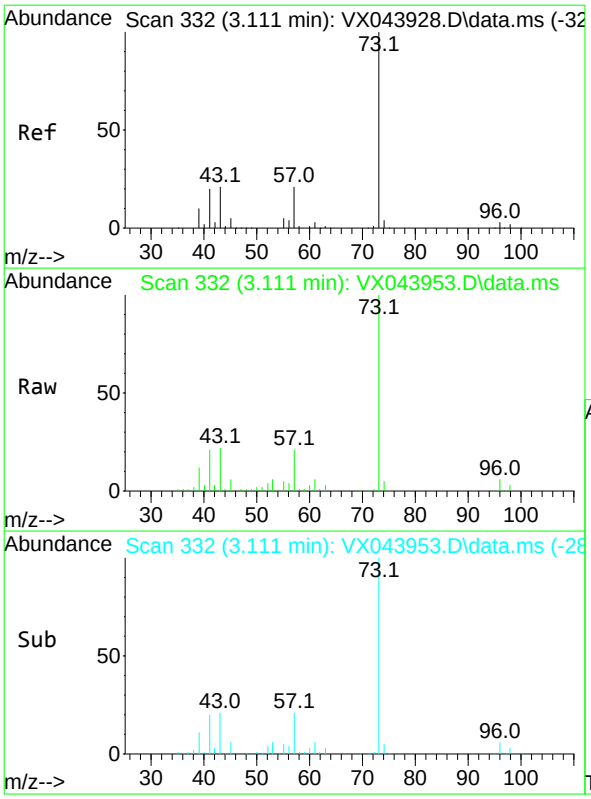




#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.9 | 28.3 |






#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 3.111 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 73 Resp: 110640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.0 | 25.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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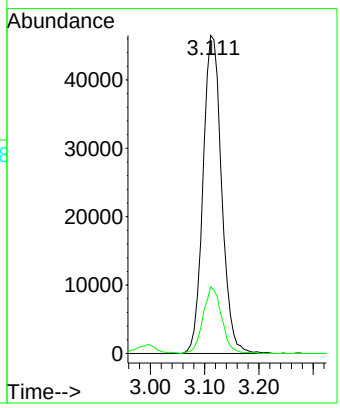
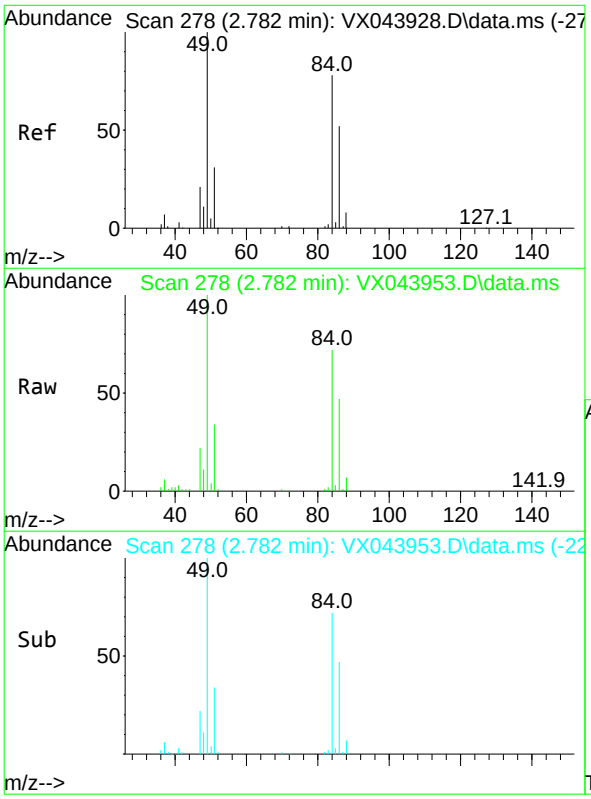
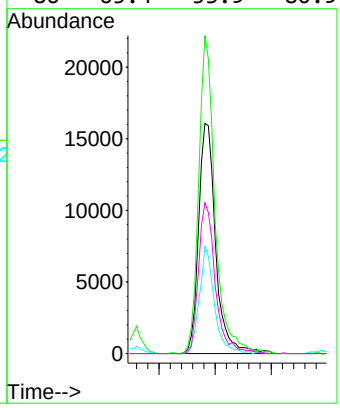


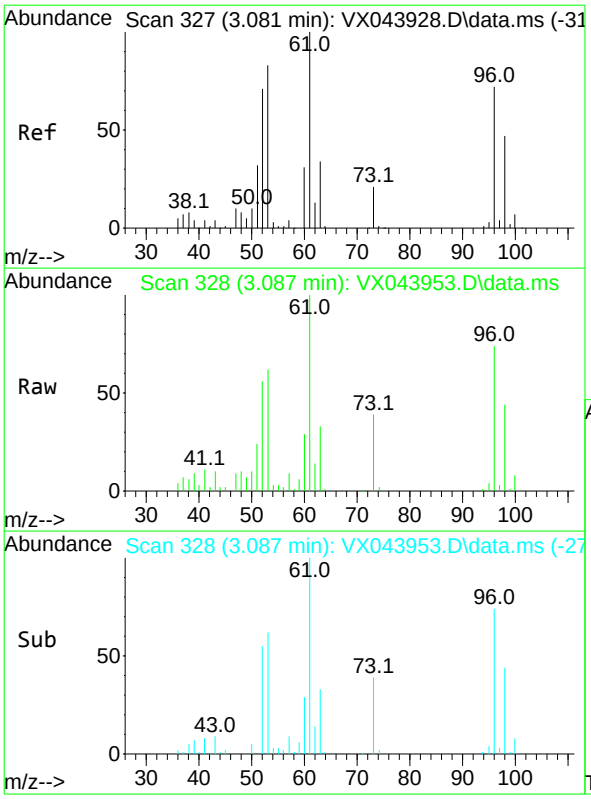




#20
Methylene Chloride
Concen: 20.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.2 | 102.7 | 154.1 |
| 51 | 46.5 | 31.7 | 47.5 |
| 86 | 65.4 | 53.9 | 80.9 |

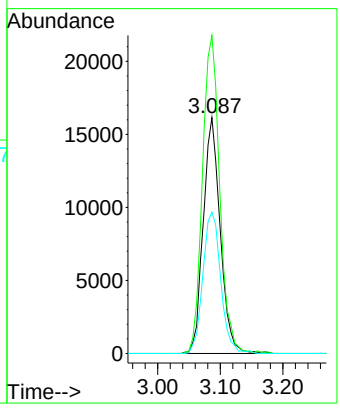





#21
trans-1,2-Dichloroethene
Concen: 20.871 ug/l
RT: 3.087 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 30530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.8 | 111.8 | 167.6 |
| 98 | 59.9 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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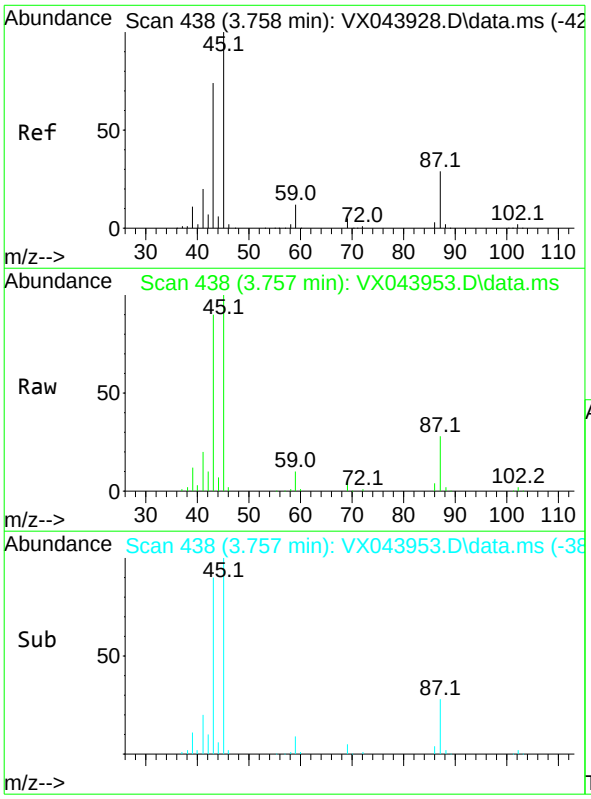
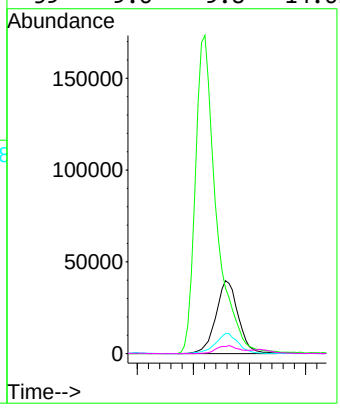
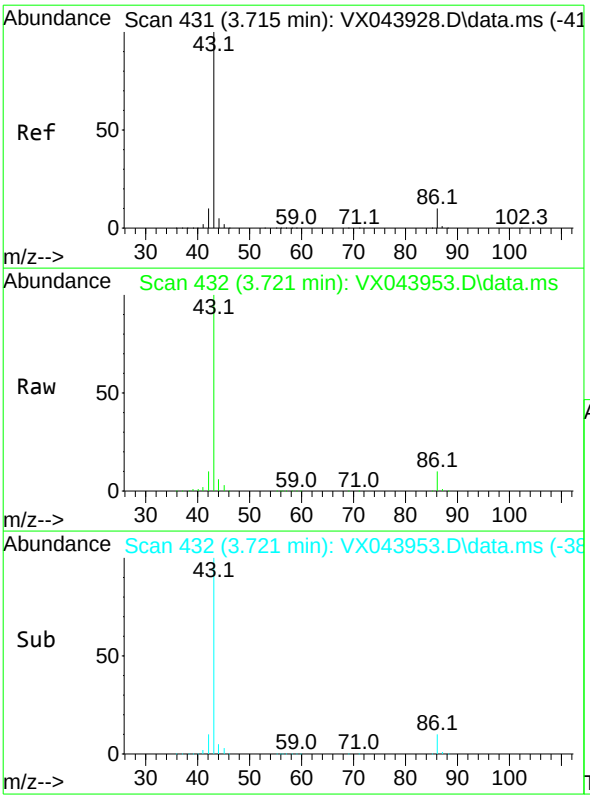



#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 89.8 | 59.6 | 89.4# |
| 87 | 27.5 | 22.9 | 34.3 |
| 59 | 9.6 | 9.8 | 14.6# |

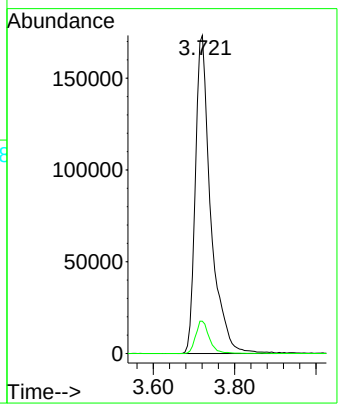





#23
Vinyl Acetate
Concen: 107.047 ug/l
RT: 3.721 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 453316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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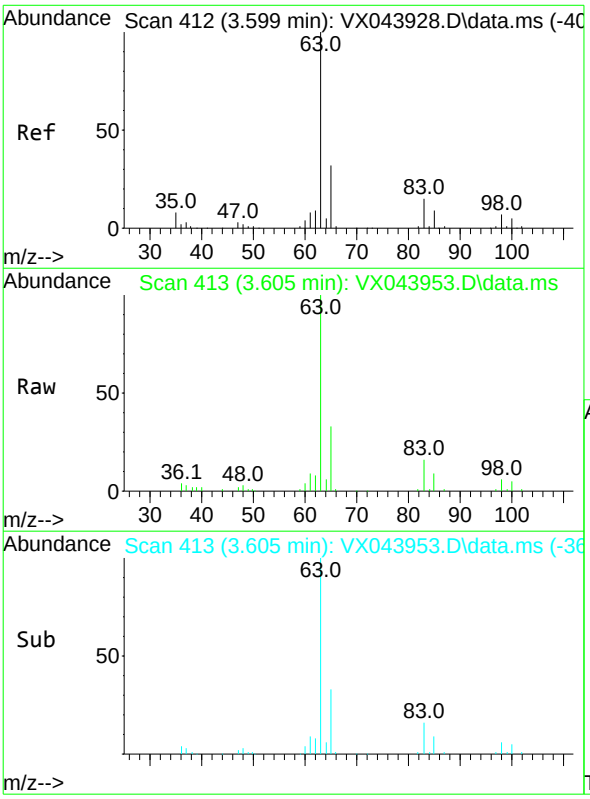
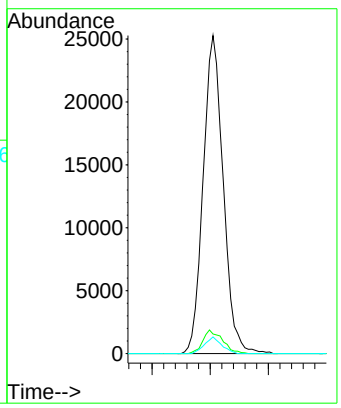
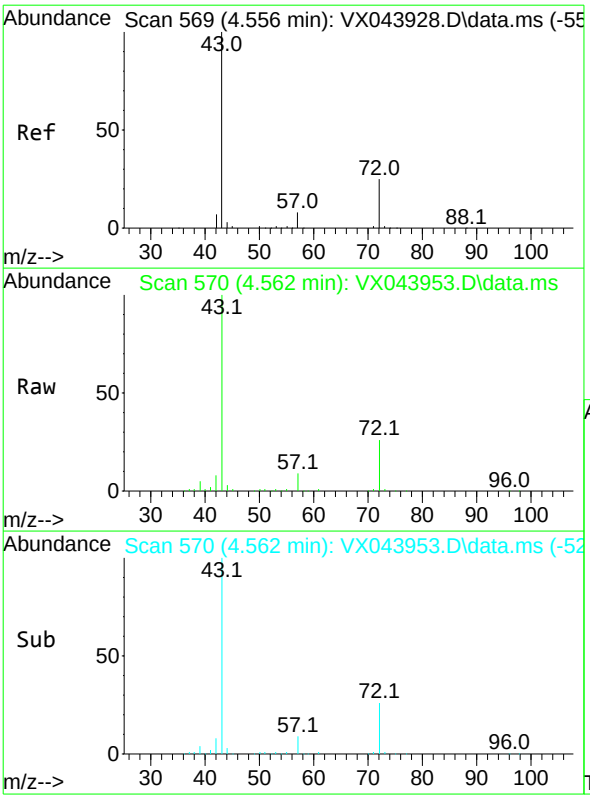



#24
1,1-Dichloroethane
Concen: 21.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.5 | 10.6 |
| 100 | 5.2 | 2.4 | 7.1 |

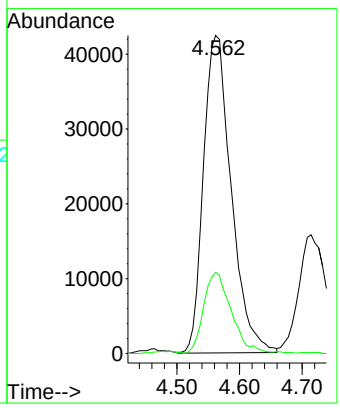





#25
2-Butanone
Concen: 104.675 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 130824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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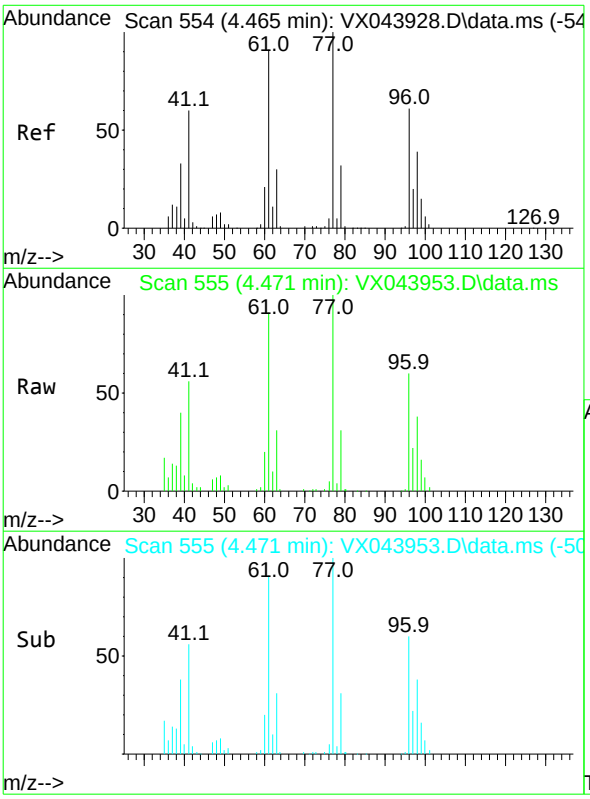
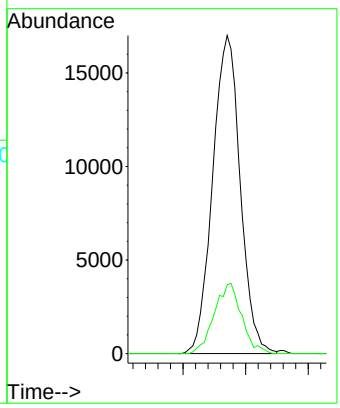
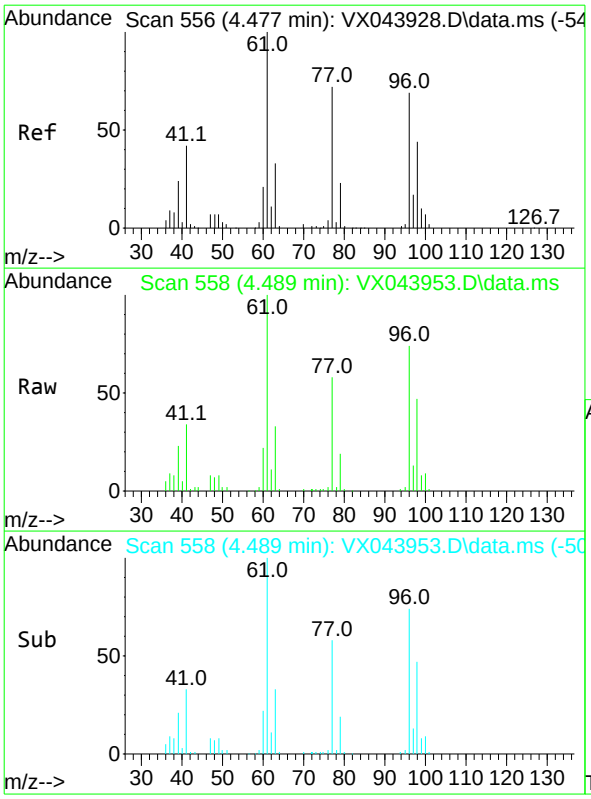



#26
2,2-Dichloropropane
Concen: 20.178 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.8 | 32.3 |

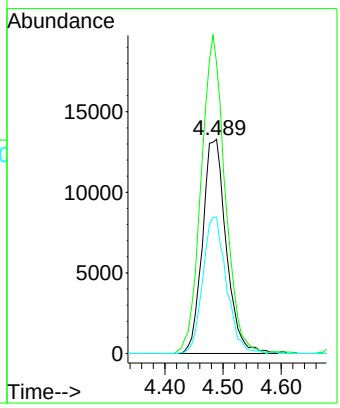





#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 4.489 min Scan# 55
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 37579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 297.4 |
| 98 | 63.7 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

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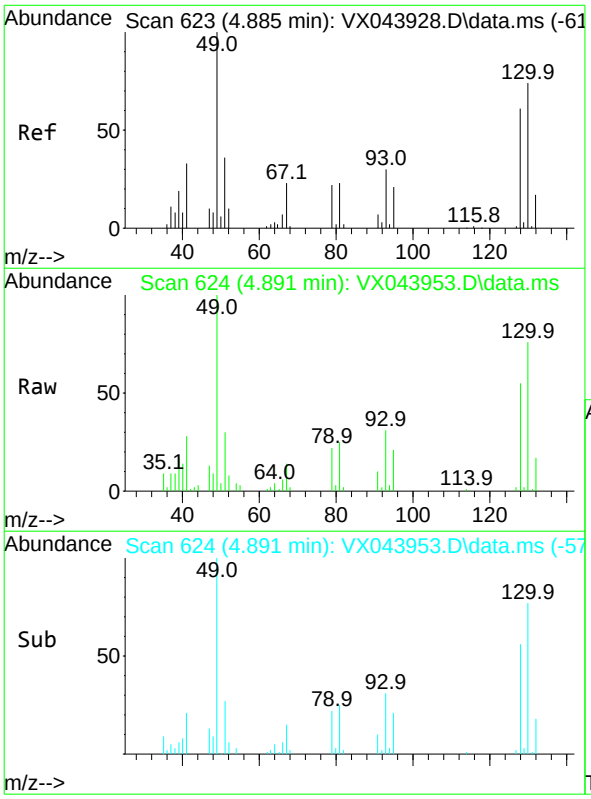
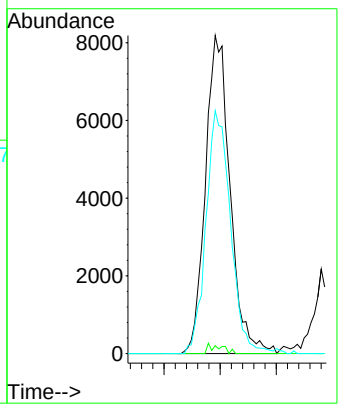
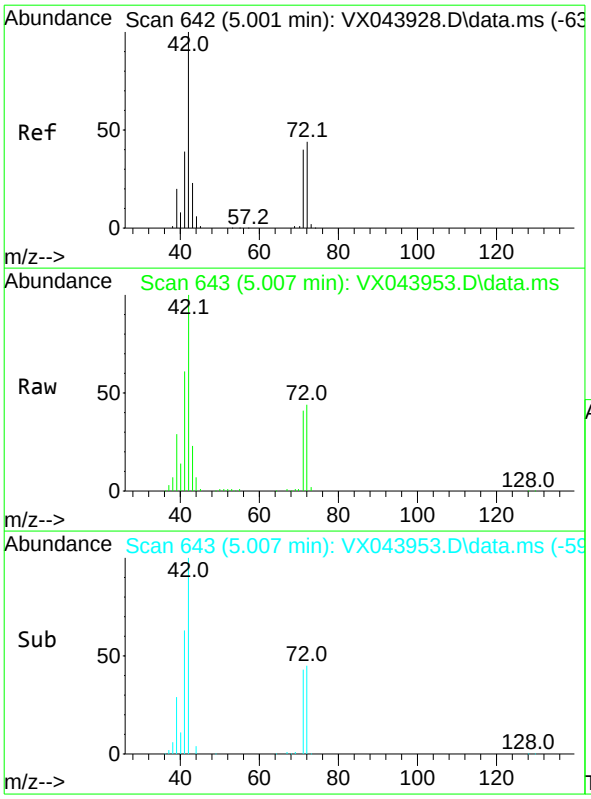



#28
Bromochloromethane
Concen: 19.846 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.5 | 0.0 | 4.0 |
| 130 | 76.0 | 59.0 | 88.6 |

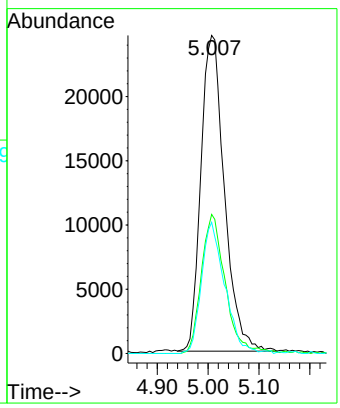





#29
Tetrahydrofuran
Concen: 103.164 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 42 Resp: 79046

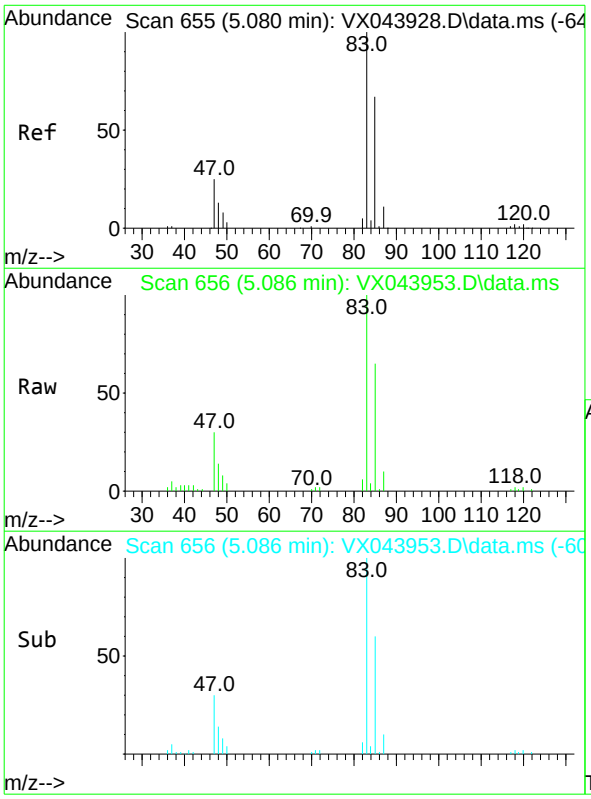
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 36.4 | 54.6 |
| 71 | 40.9 | 33.4 | 50.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

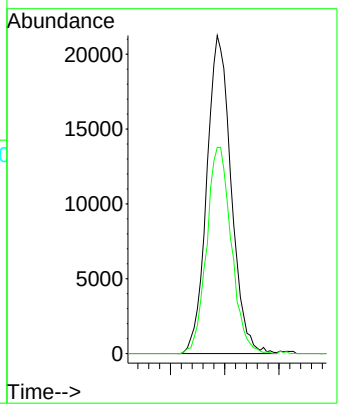
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

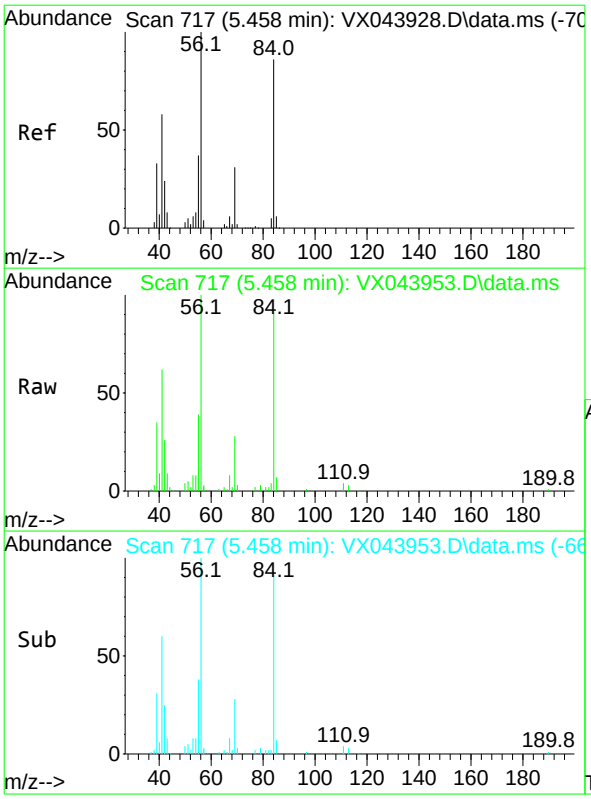



#30
Chloroform
Concen: 21.602 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 19.867 ug/l
RT: 5.458 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 56 Resp: 46697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.5 | 24.7 | 37.1 |
| 84 | 88.5 | 68.7 | 103.1 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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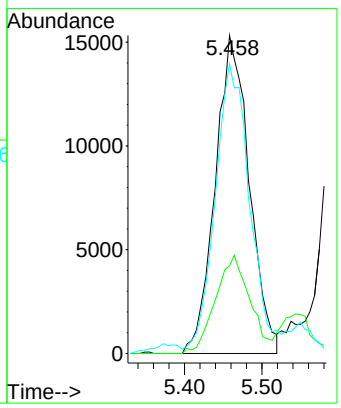
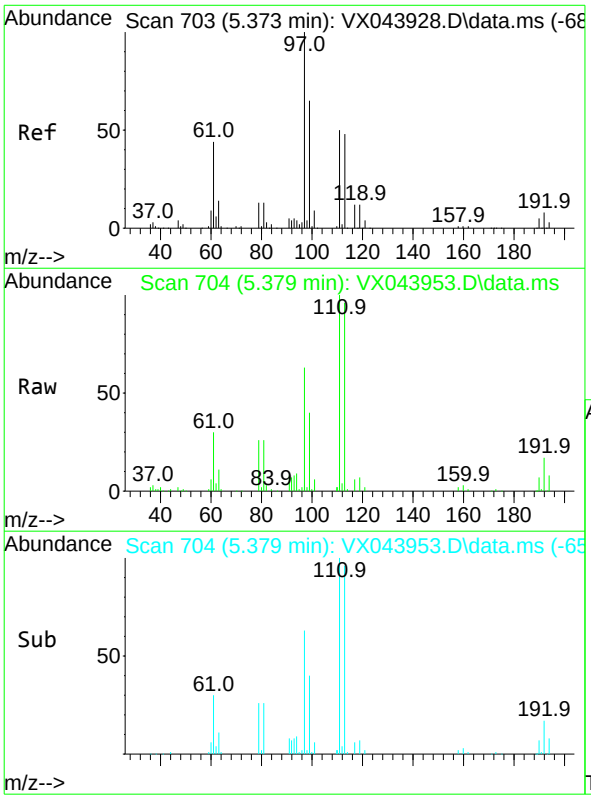
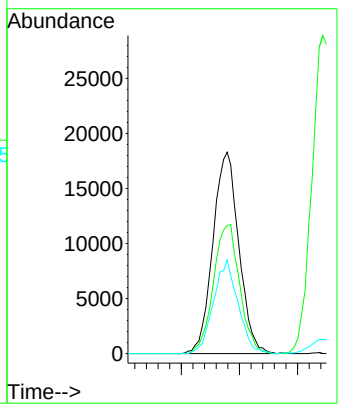


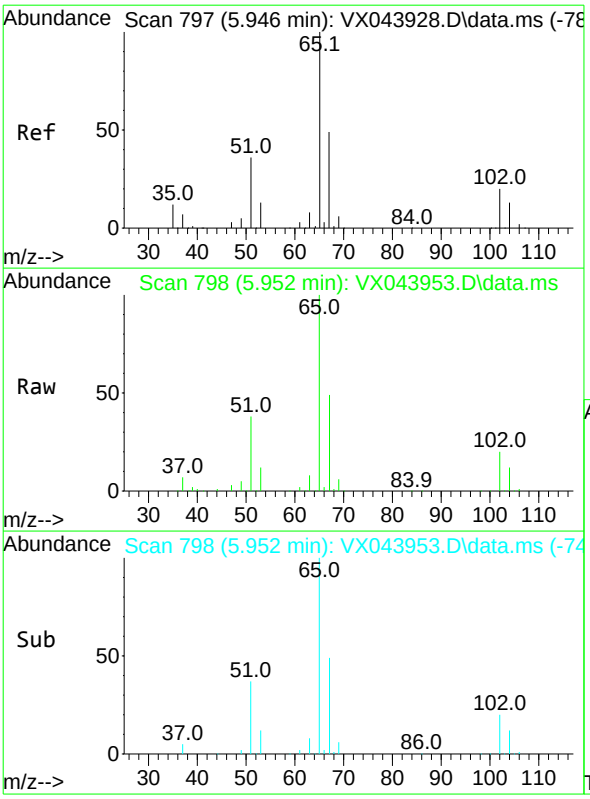




#32
1,1,1-Trichloroethane
Concen: 21.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 43.9 | 35.4 | 53.2 |

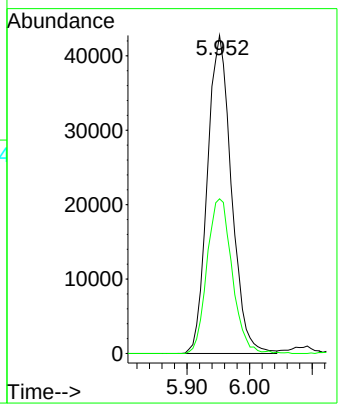





#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 65 Resp: 113852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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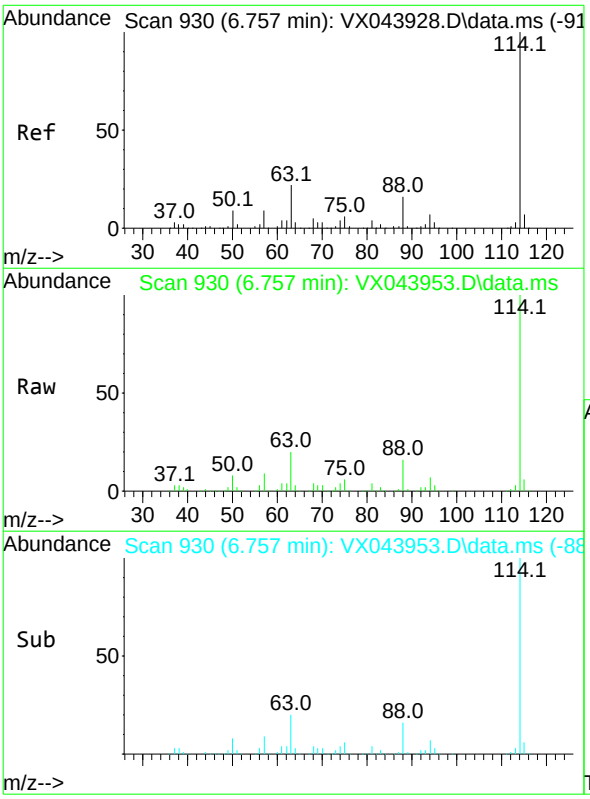
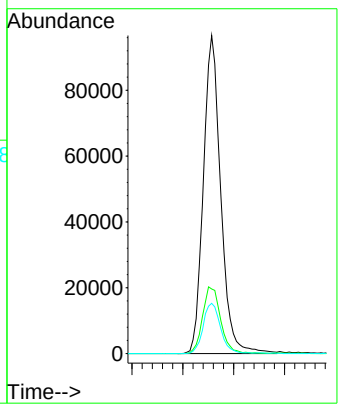
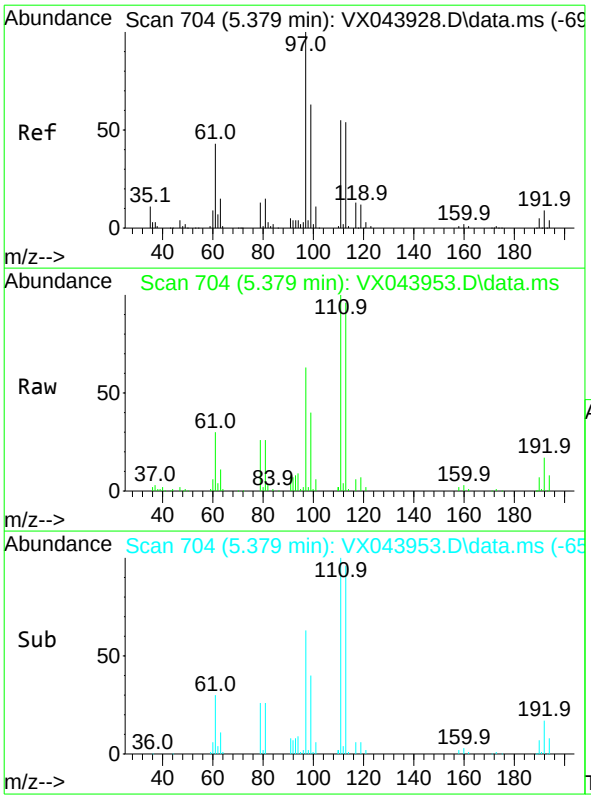



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:114 Resp: 229417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 44.0 |
| 88 | 15.8 | 0.0 | 32.4 |






#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.379 min Scan# 70
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:113 Resp: 82706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |

**Manual Integrations**
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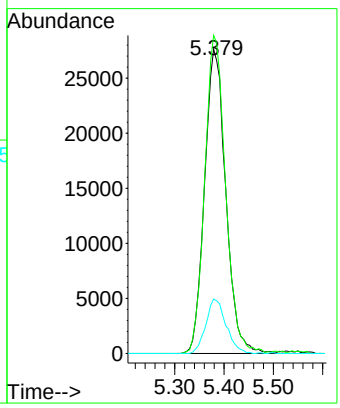
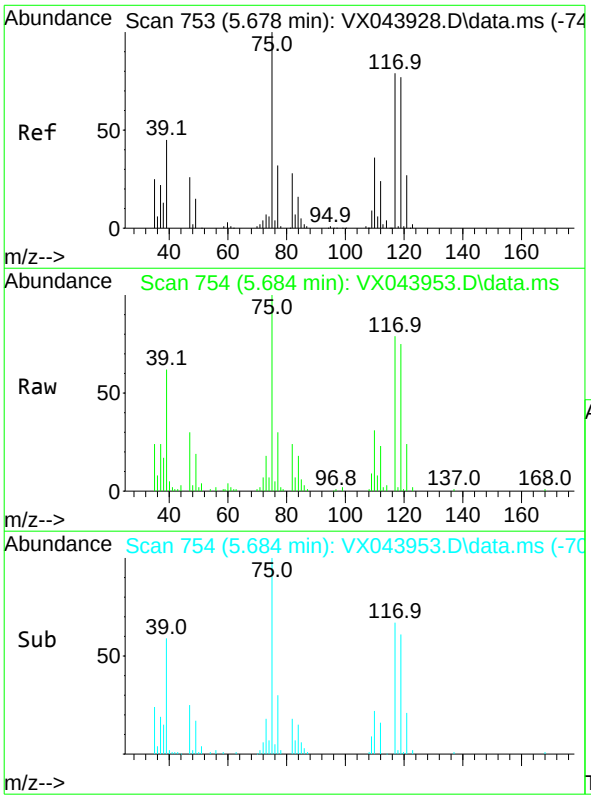
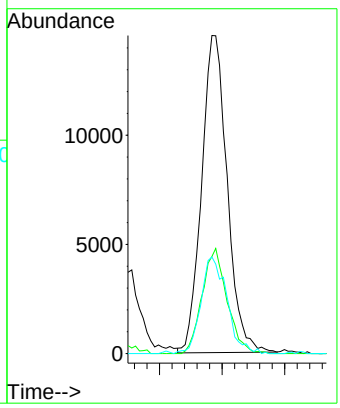


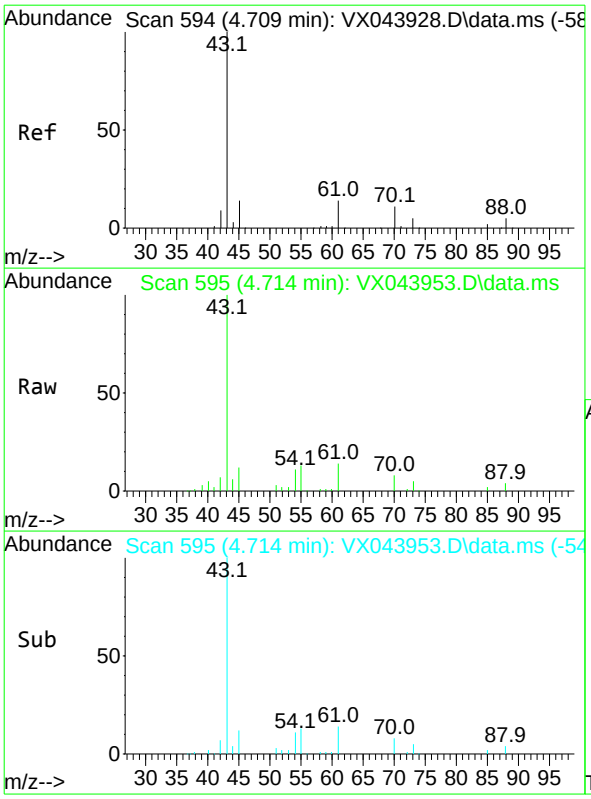




#36
1,1-Dichloropropene
Concen: 20.185 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.4 | 17.4 | 52.2 |
| 77 | 31.0 | 25.8 | 38.8 |






#37
Ethyl Acetate
Concen: 19.620 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 49752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.7 | 16.1 |
| 70 | 4.4 | 8.0 | 12.0# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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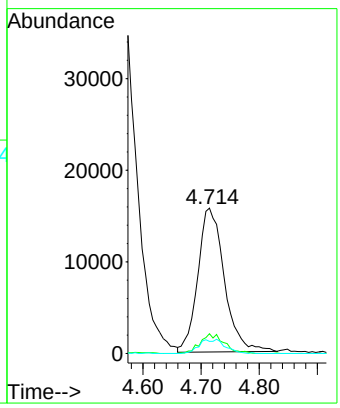
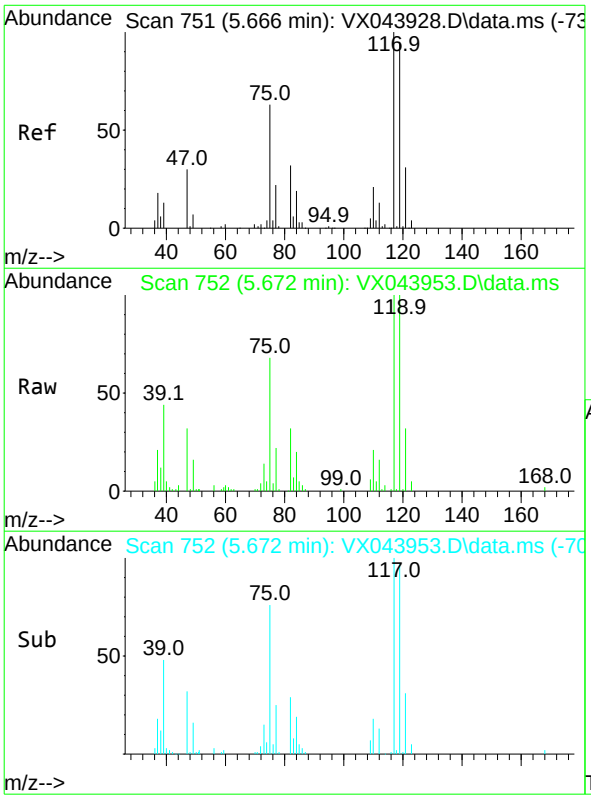
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

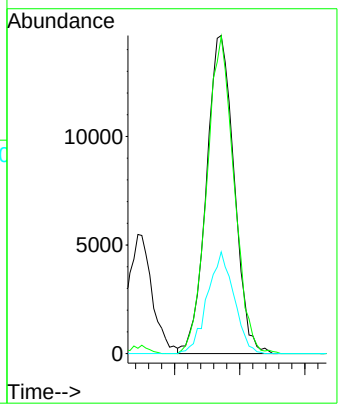


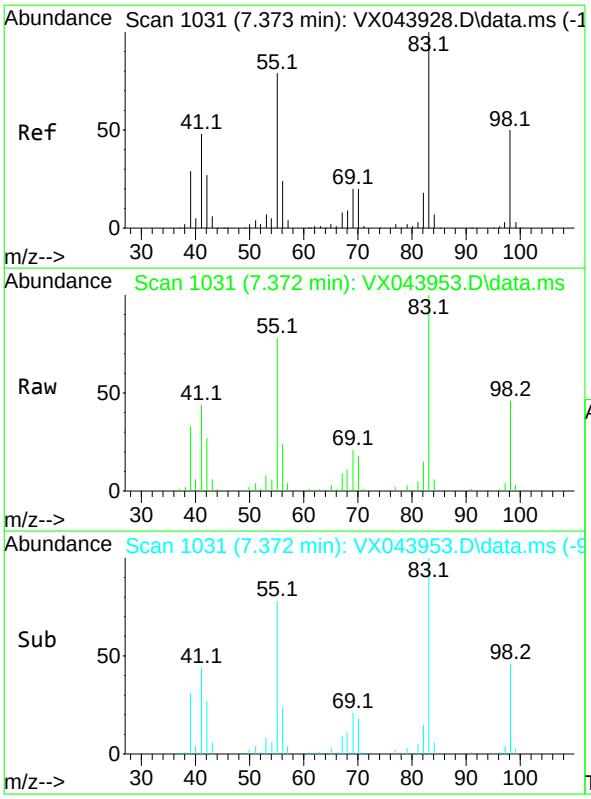




#38
Carbon Tetrachloride
Concen: 18.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 43324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.7 | 75.2 | 112.8 |
| 121 | 32.0 | 24.5 | 36.7 |

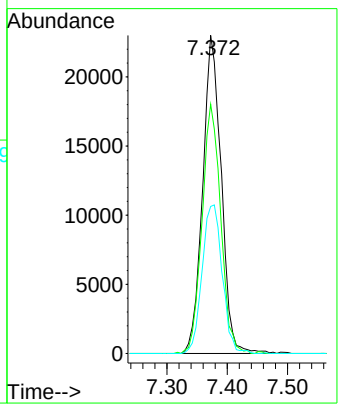





#39
Methylcyclohexane
Concen: 18.550 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 49229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.4 | 63.1 | 94.7 |
| 98 | 46.2 | 40.0 | 60.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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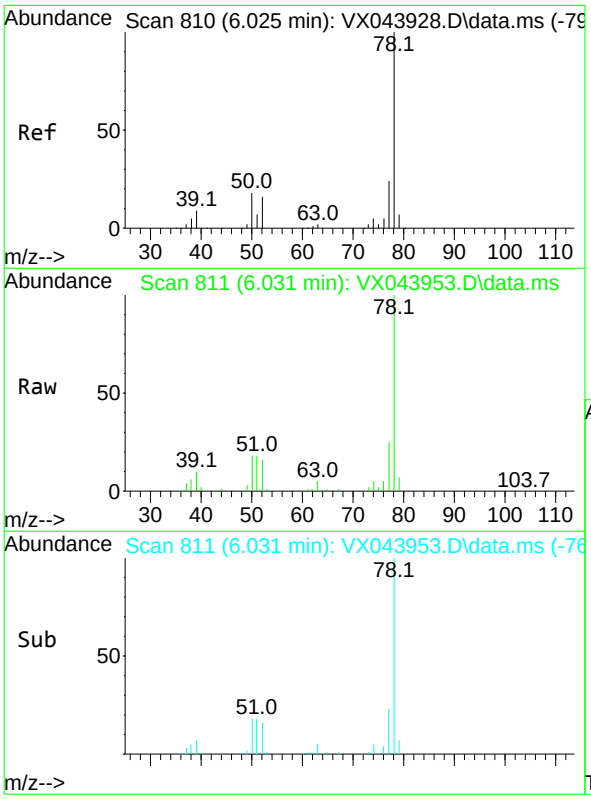
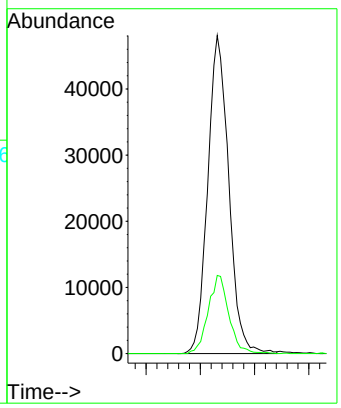
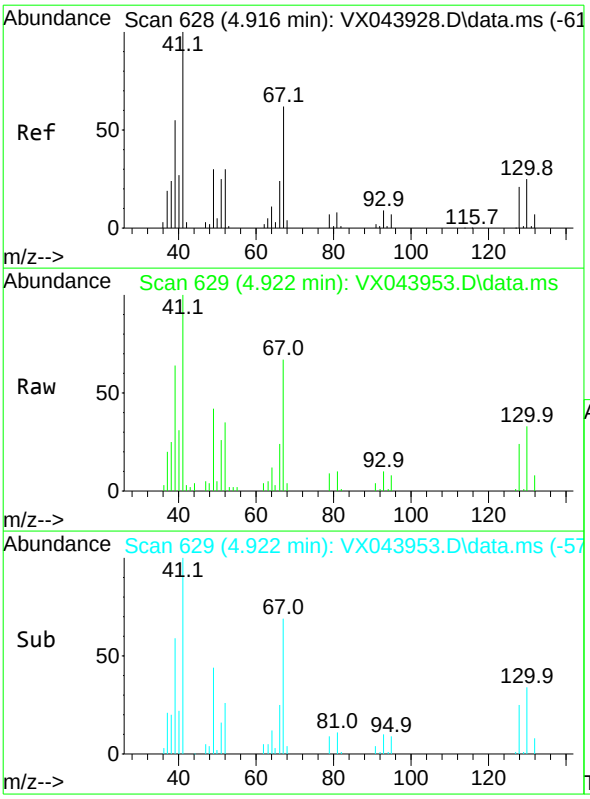



#40
Benzene
Concen: 20.319 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.6 | 19.2 | 28.8 |

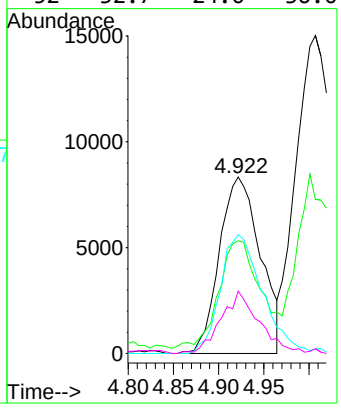





#41
Methacrylonitrile
Concen: 20.295 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 26340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.4 | 41.7 | 62.5# |
| 67 | 69.9 | 55.8 | 83.8 |
| 52 | 32.7 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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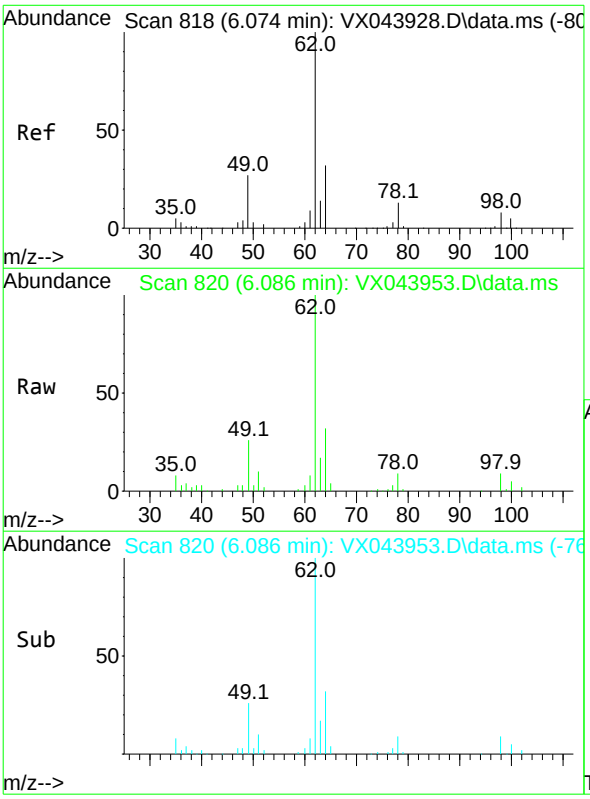
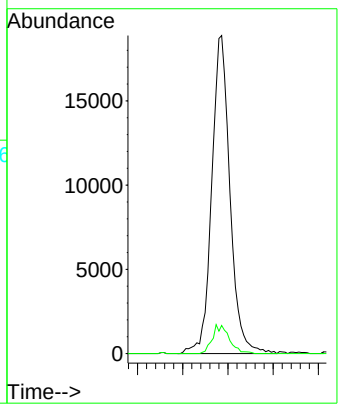
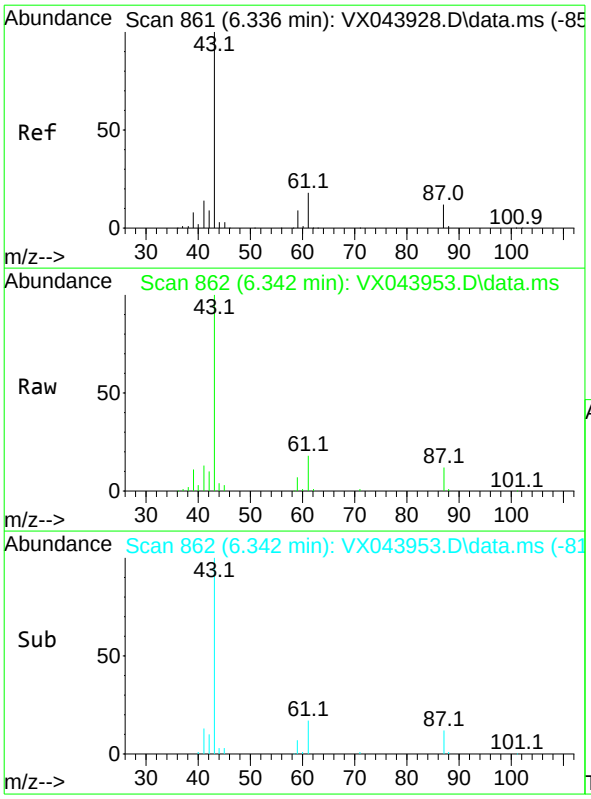



#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 52905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 16.4 |

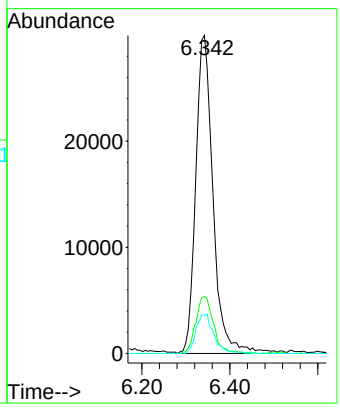





#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 81776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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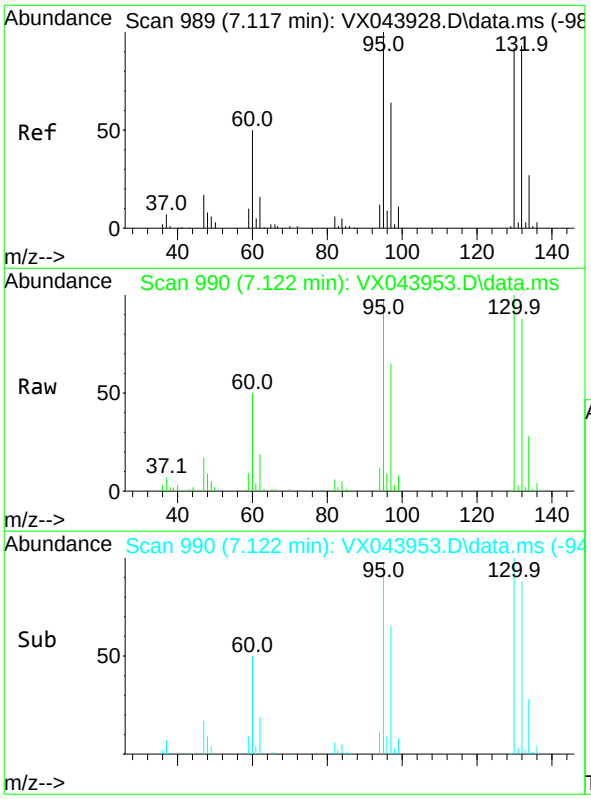
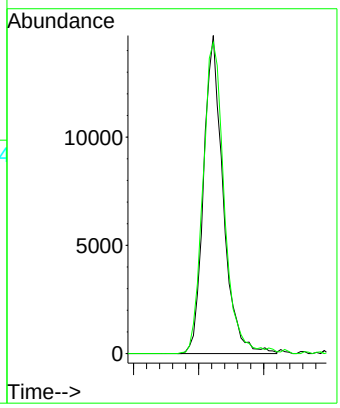
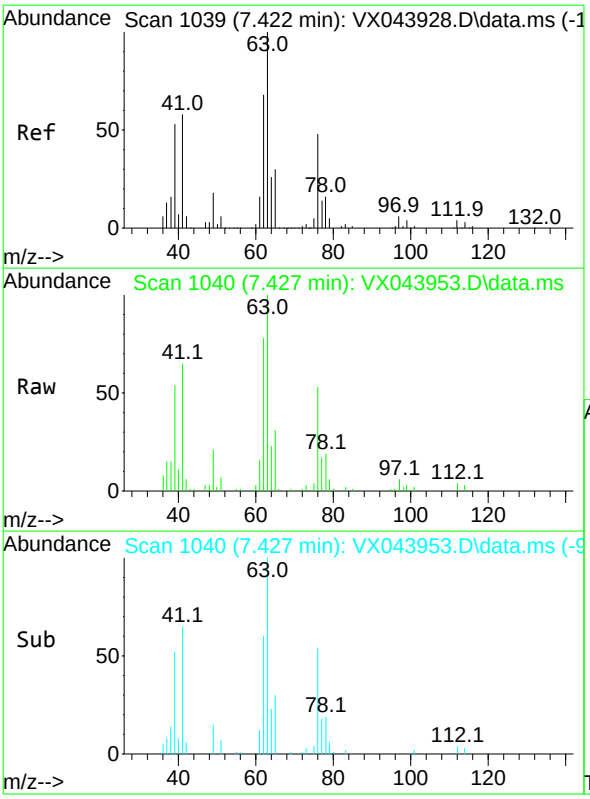



#44
Trichloroethene
Concen: 16.978 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:130 Resp: 30582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.8 | 0.0 | 217.8 |

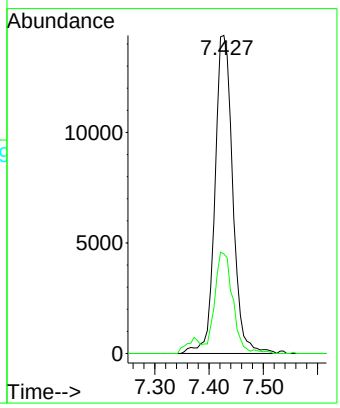





#45
1,2-Dichloropropane
Concen: 21.032 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 32777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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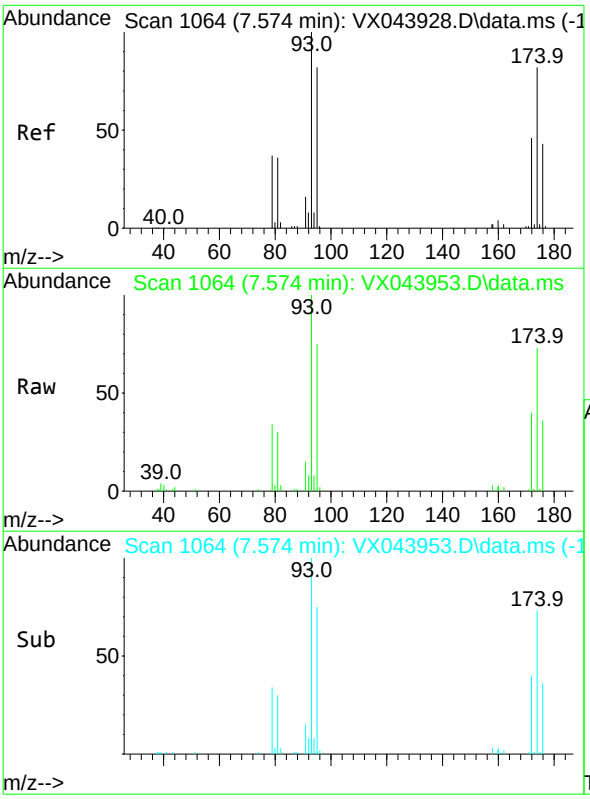
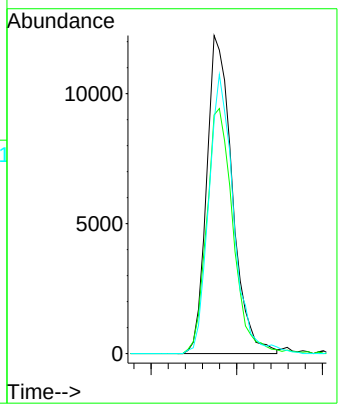
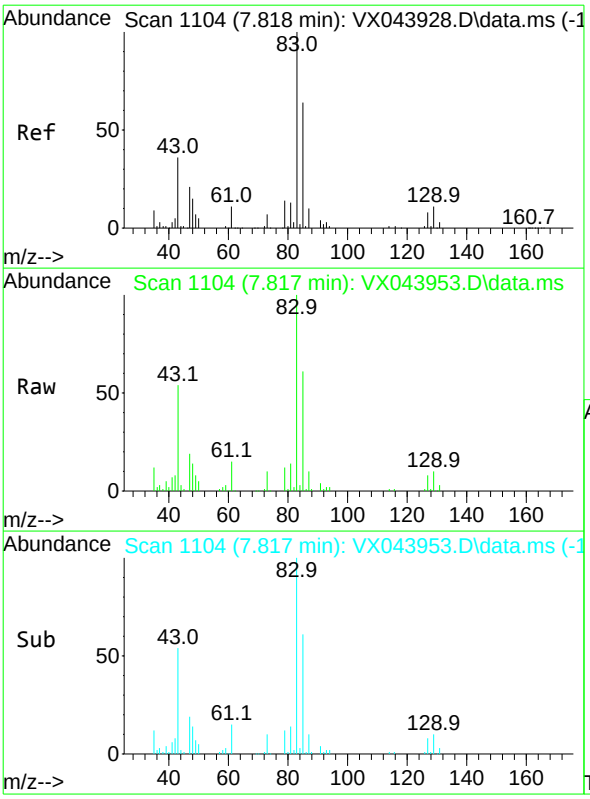



#46
Dibromomethane
Concen: 20.535 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 93 Resp: 25316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 79.9 | 66.2 | 99.4 |
| 174 | 85.6 | 69.6 | 104.4 |

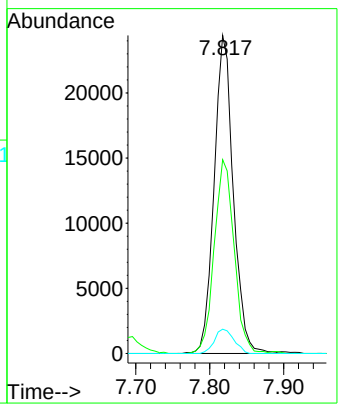





#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 43925

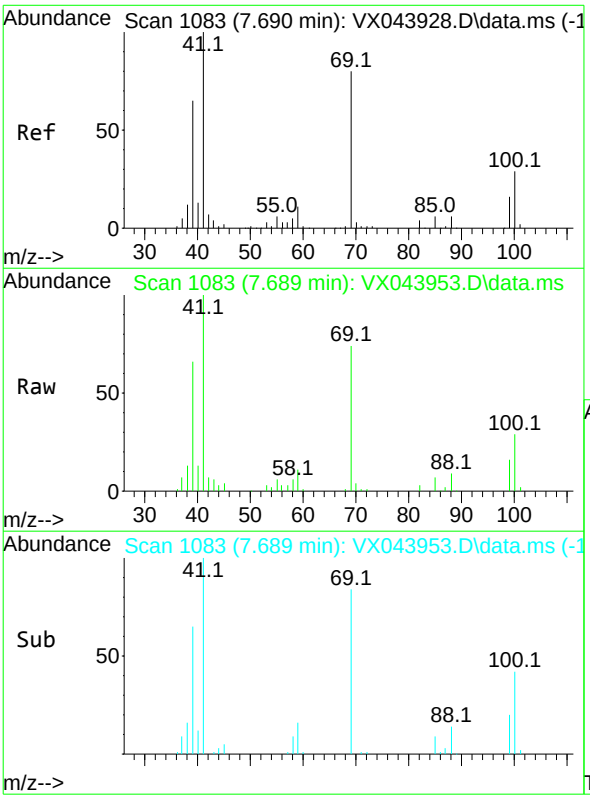
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 51.4 | 77.0 |
| 127 | 7.6 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

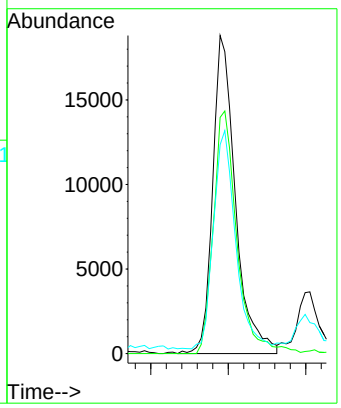
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

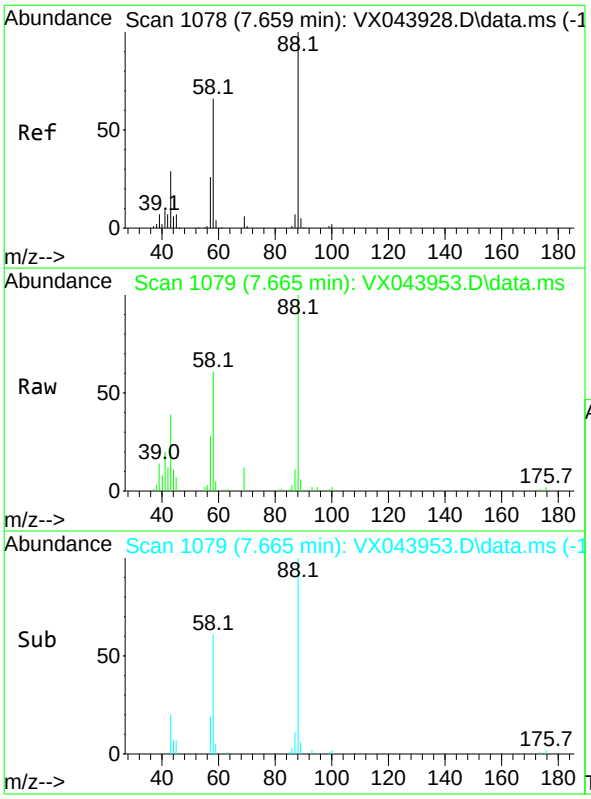



#48
Methyl methacrylate
Concen: 19.741 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.1 | 64.6 | 97.0 |
| 39 | 66.8 | 53.3 | 79.9 |

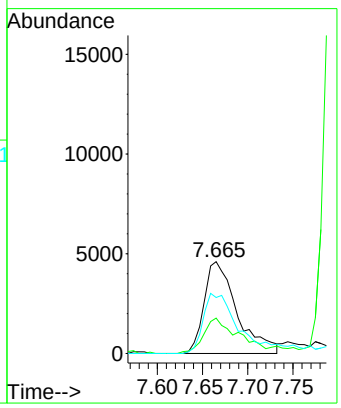





#49
1,4-Dioxane
Concen: 338.011 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 88 Resp: 11659

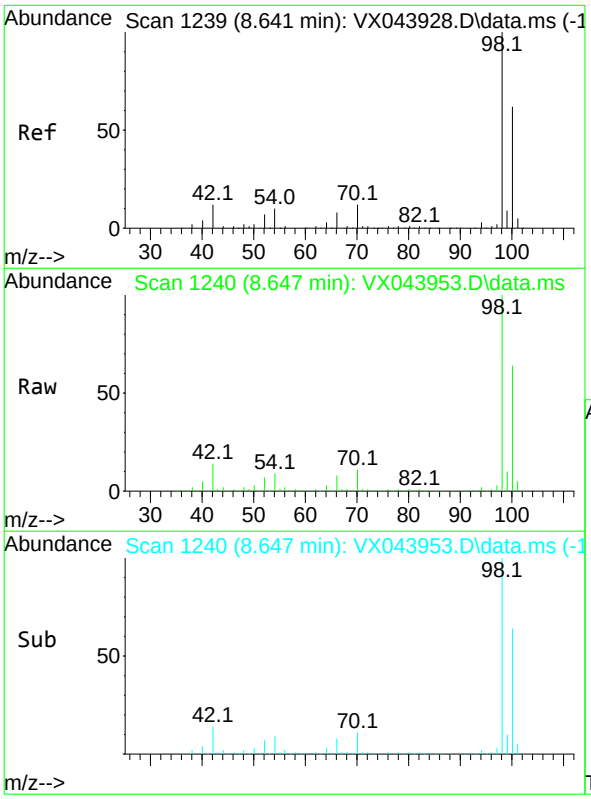
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 26.8 | 40.2# |
| 58 | 74.4 | 45.4 | 68.2# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

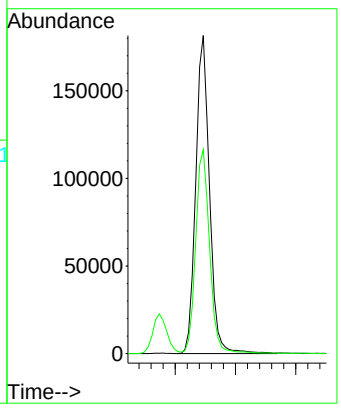
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

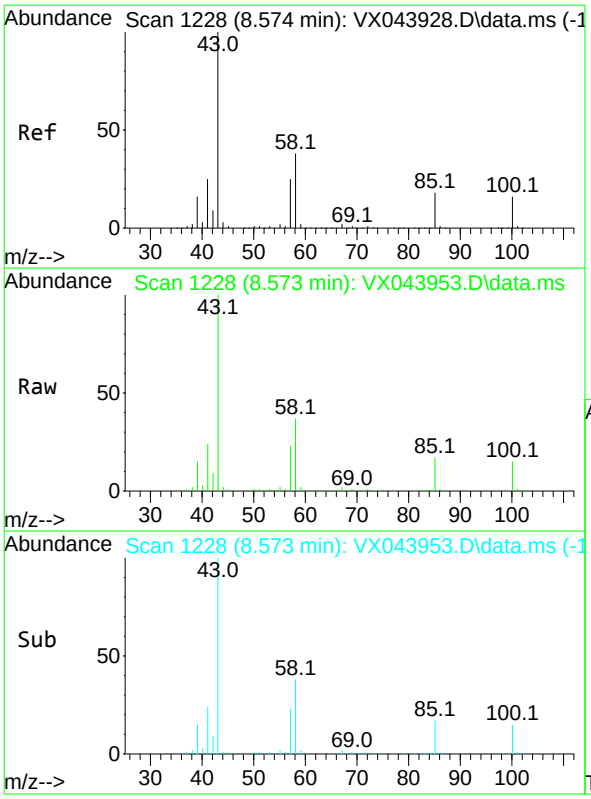



#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.6 | 79.0 |






#51
4-Methyl-2-Pentanone
Concen: 100.883 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

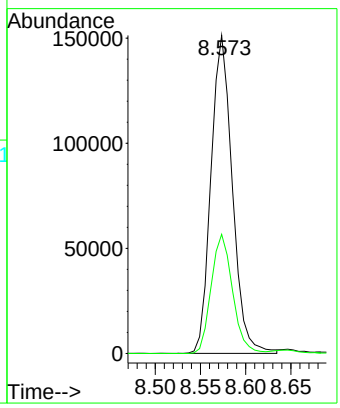
Tgt Ion: 43 Resp: 248440

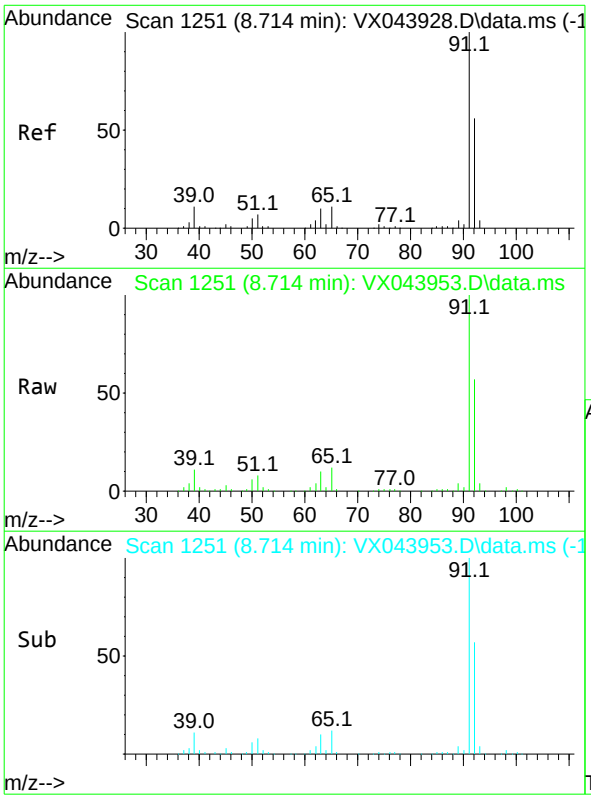
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 30.0 | 45.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

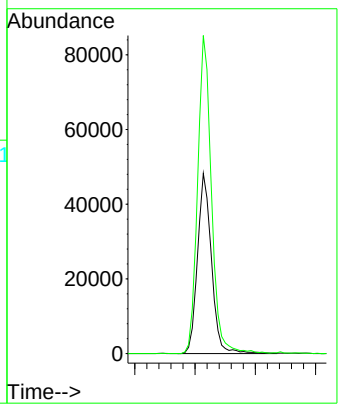


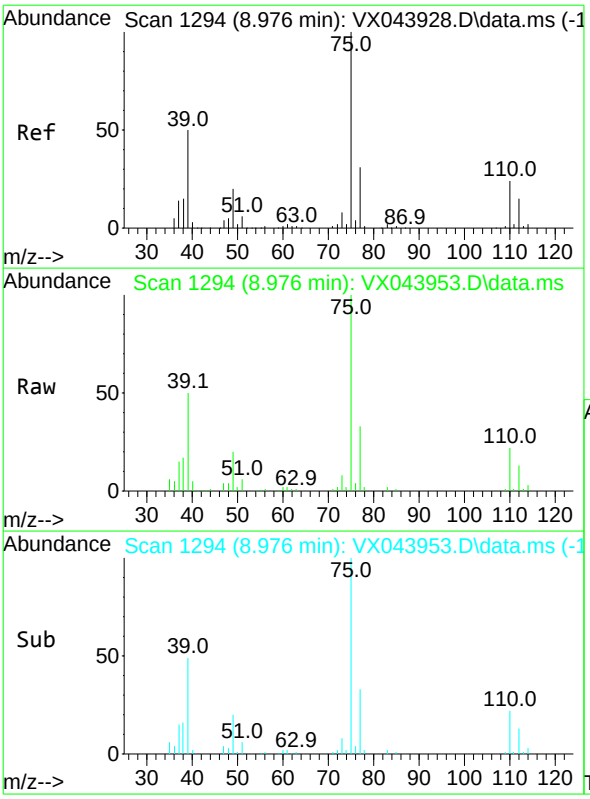




#52
Toluene
Concen: 20.351 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.1 | 139.7 | 209.5 |

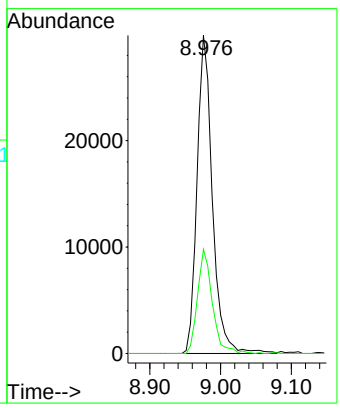





#53
t-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 45015

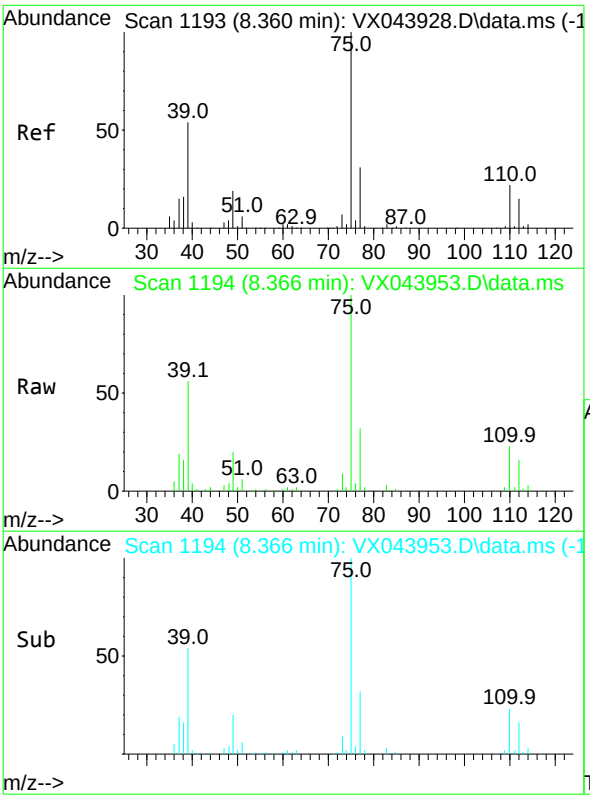
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

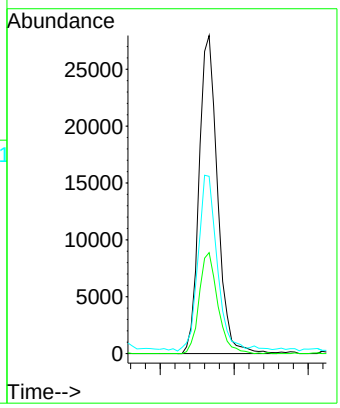
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

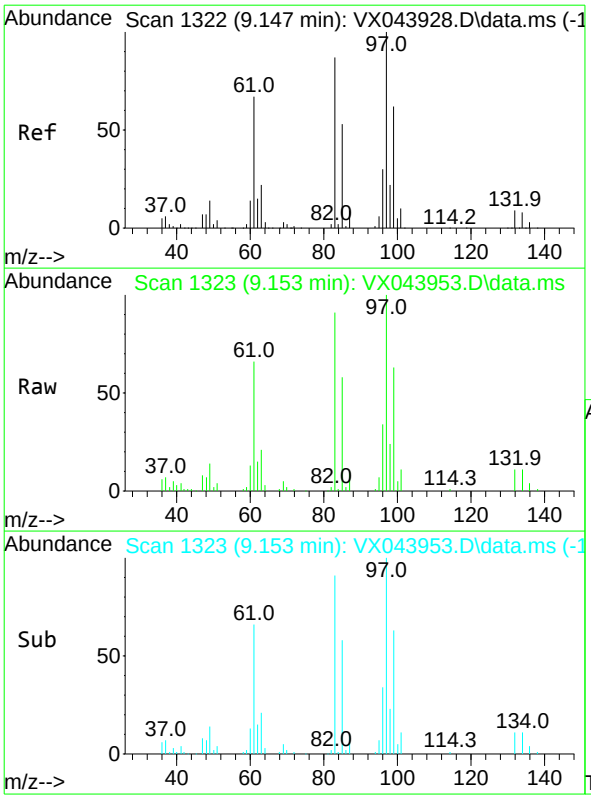



#54
cis-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.2 | 37.8 |
| 39 | 54.9 | 43.1 | 64.7 |

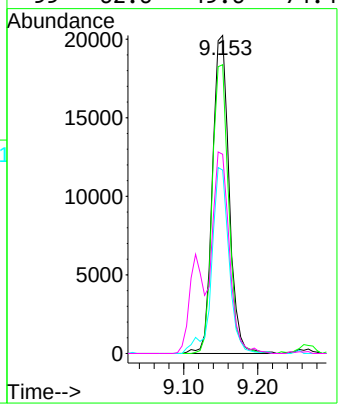





#55
1,1,2-Trichloroethane
Concen: 20.126 ug/l
RT: 9.153 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 31640

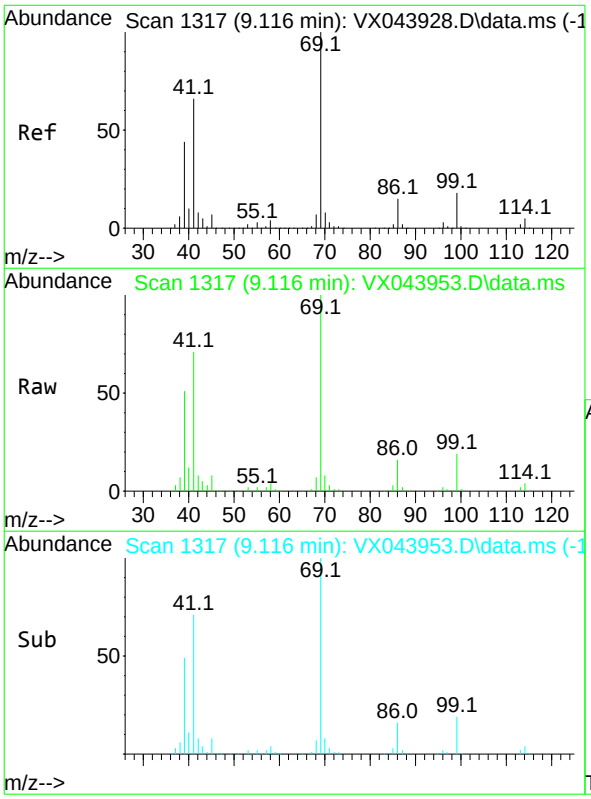
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.8 | 69.4 | 104.0 |
| 85 | 57.7 | 42.3 | 63.5 |
| 99 | 62.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

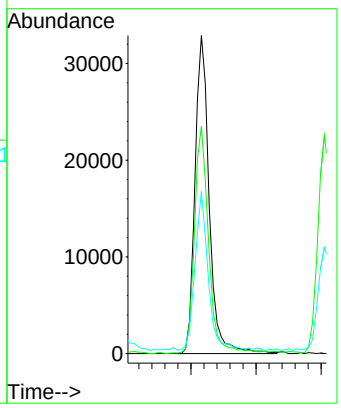
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

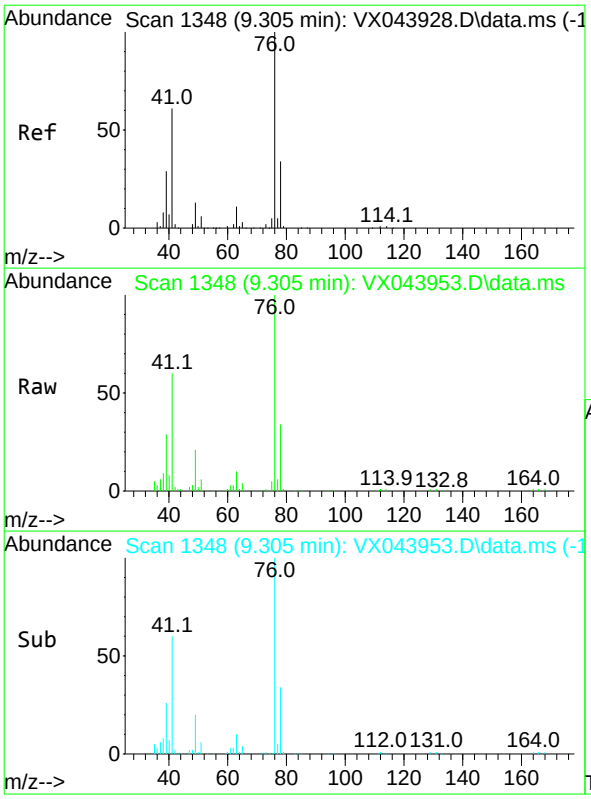



#56
Ethyl methacrylate
Concen: 20.380 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 69 Resp: 49905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.1 | 55.8 | 83.8 |
| 39 | 47.7 | 36.7 | 55.1 |






#57
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

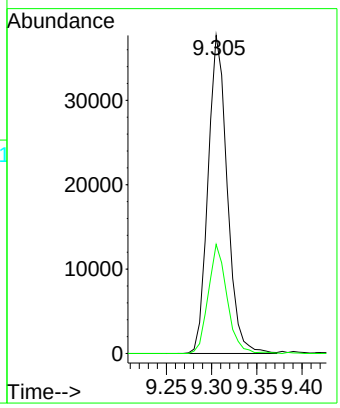
Tgt Ion: 76 Resp: 55597

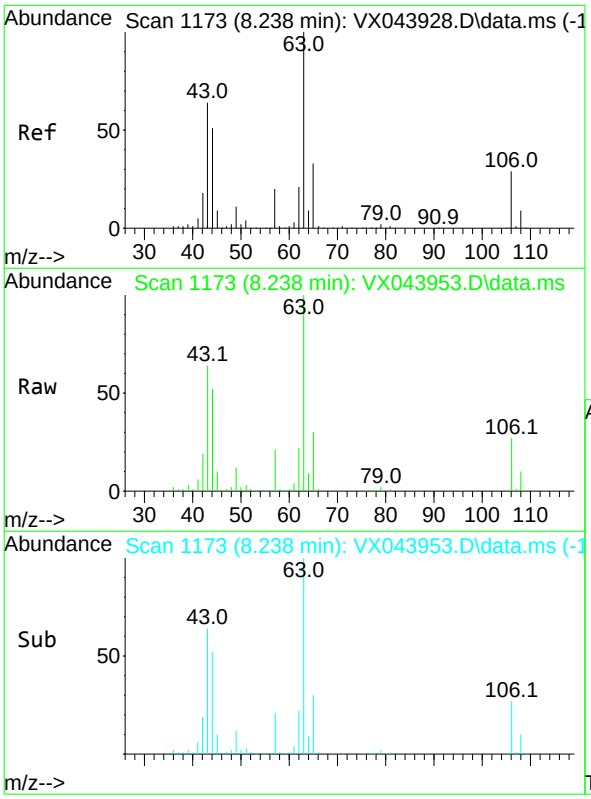
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.7 | 26.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

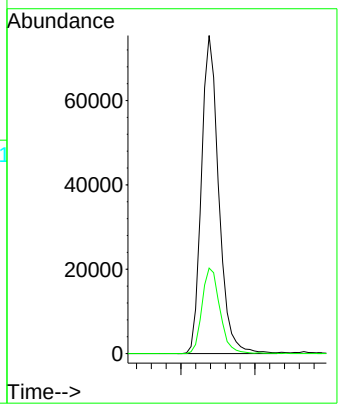


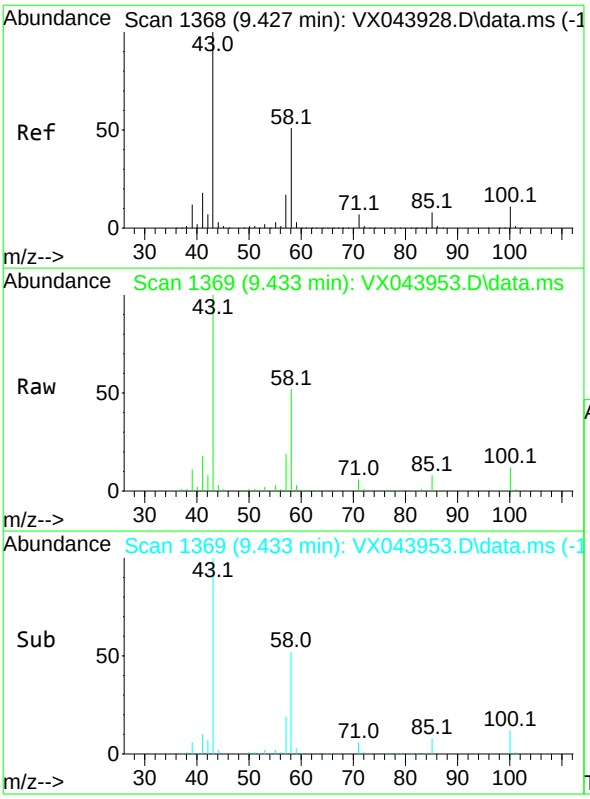




#58
2-Chloroethyl Vinyl ether
Concen: 90.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 23.0 | 34.6 |






#59
2-Hexanone
Concen: 100.633 ug/l
RT: 9.433 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

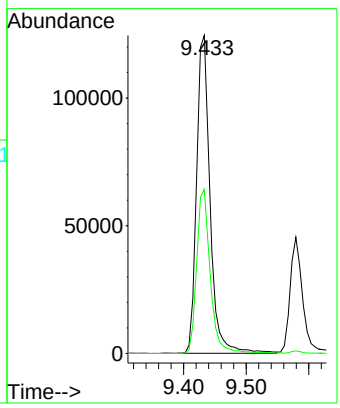
Tgt Ion: 43 Resp: 186272

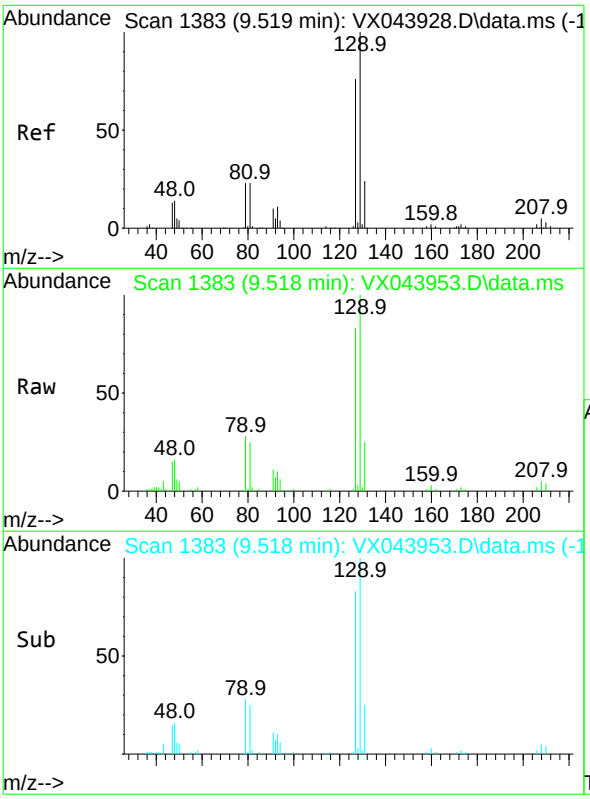
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.9 | 77.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

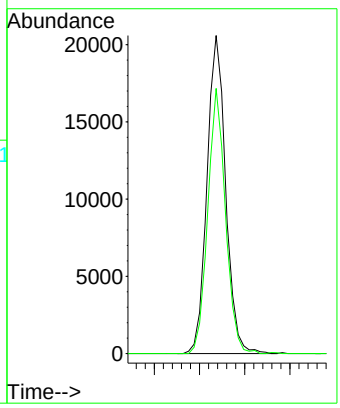


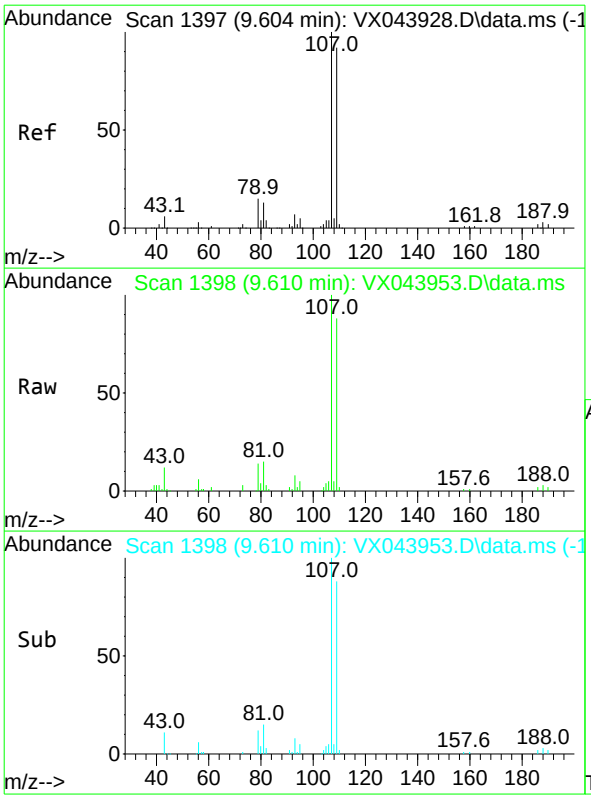




#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:129 Resp: 29549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.9 | 38.2 | 114.6 |

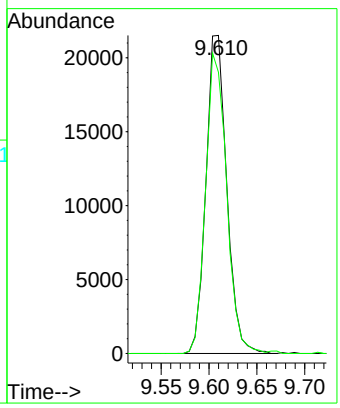





#61
1,2-Dibromoethane
Concen: 20.465 ug/l
RT: 9.610 min Scan# 13
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:107 Resp: 32532

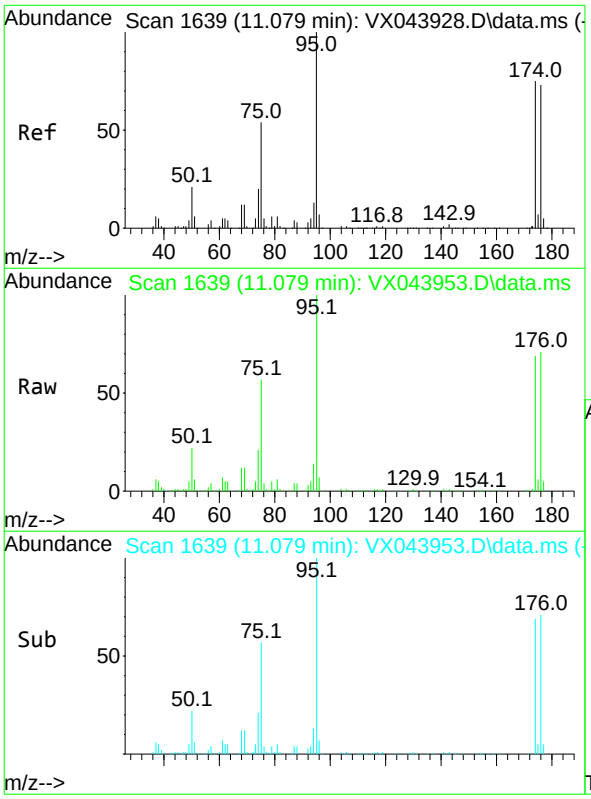
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.7 | 75.2 | 112.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

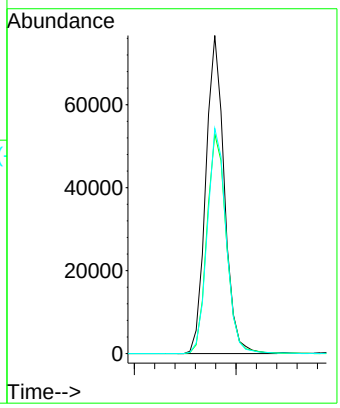
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

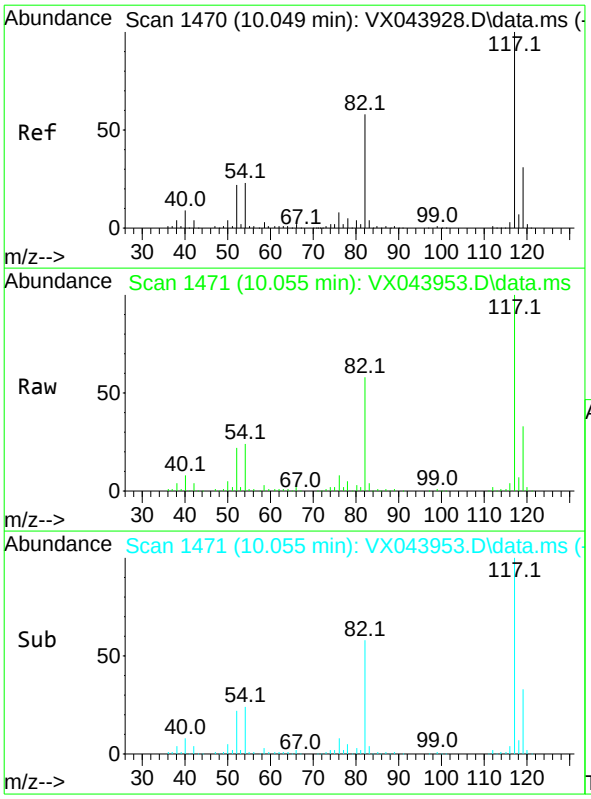



#62
4-Bromofluorobenzene
Concen: 50.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.1 | 0.0 | 150.4 |
| 176 | 72.2 | 0.0 | 146.0 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

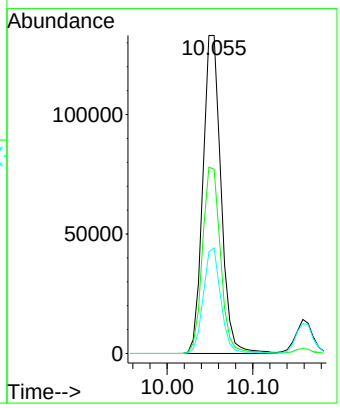
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

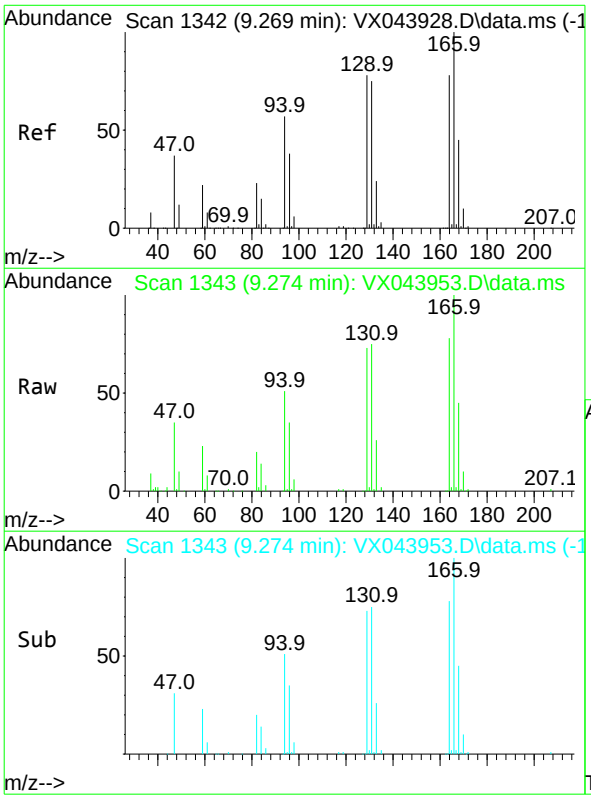
Tgt Ion:117 Resp: 195535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.9 | 46.4 | 69.6 |
| 119 | 33.2 | 24.6 | 37.0 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

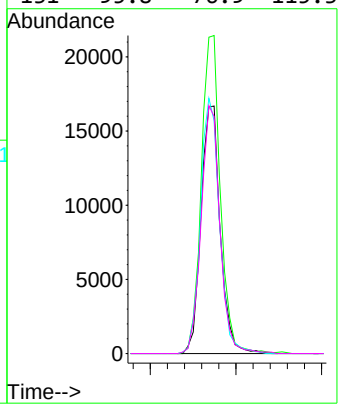


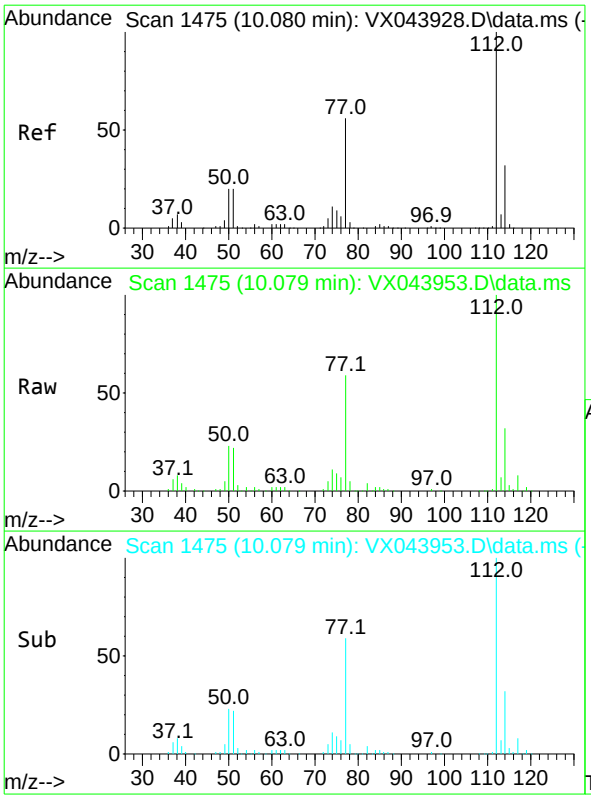




#64
Tetrachloroethene
Concen: 20.270 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.5 | 102.1 | 153.1 |
| 129 | 94.0 | 79.6 | 119.4 |
| 131 | 95.8 | 76.9 | 115.3 |

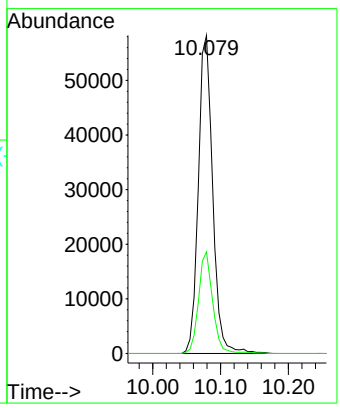





#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:112 Resp: 85495

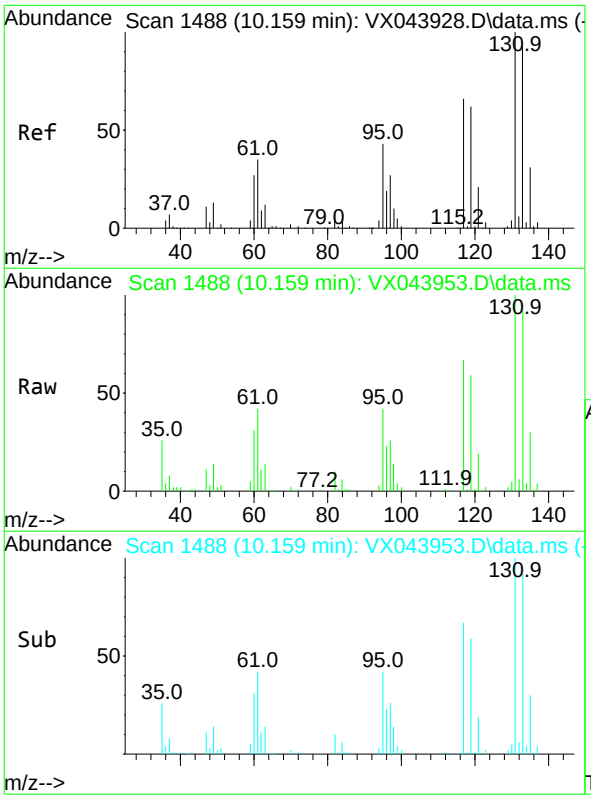
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.4 | 38.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

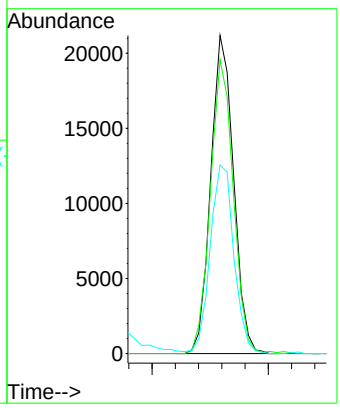
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

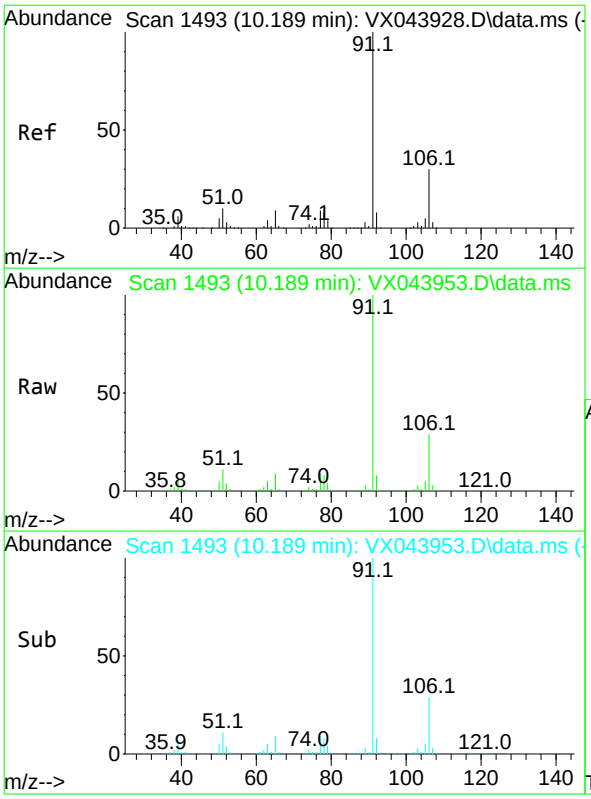



#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:131 Resp: 28882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.3 | 48.2 | 144.6 |
| 119 | 61.7 | 31.5 | 94.5 |






#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

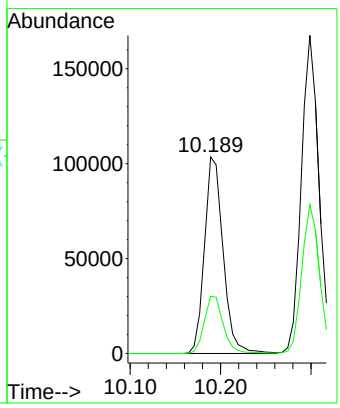
Tgt Ion: 91 Resp: 148481

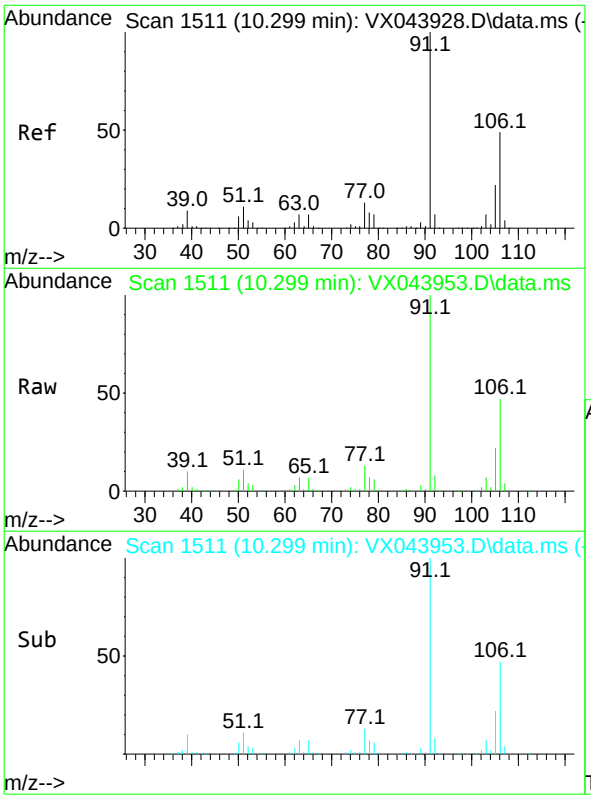
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 23.6 | 35.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

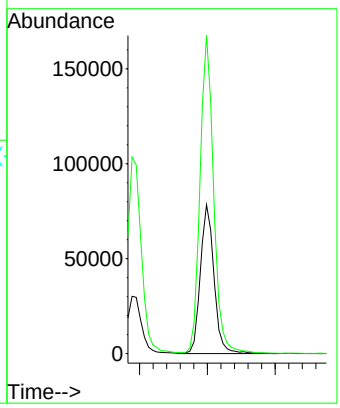


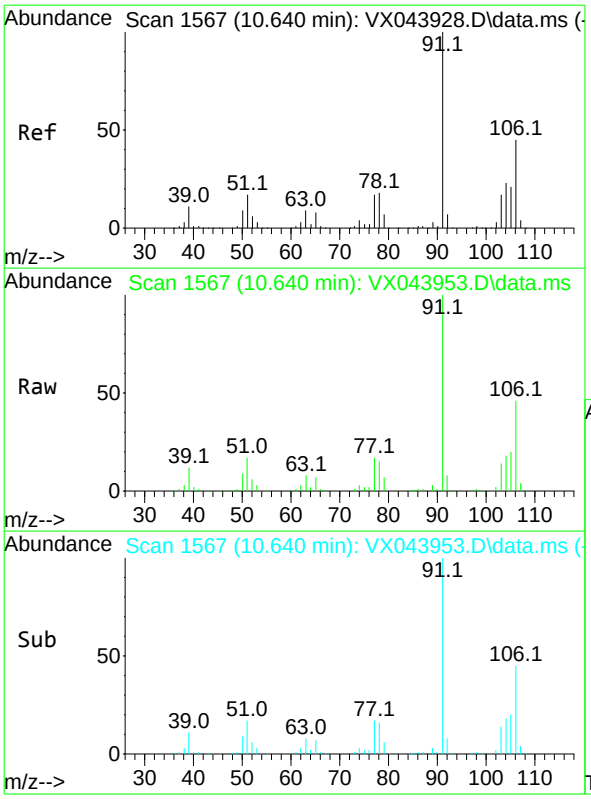




#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 109390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.7 | 168.1 | 252.1 |

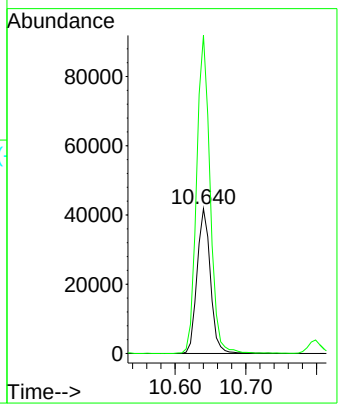





#69
o-Xylene
Concen: 20.665 ug/l
RT: 10.640 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 54754

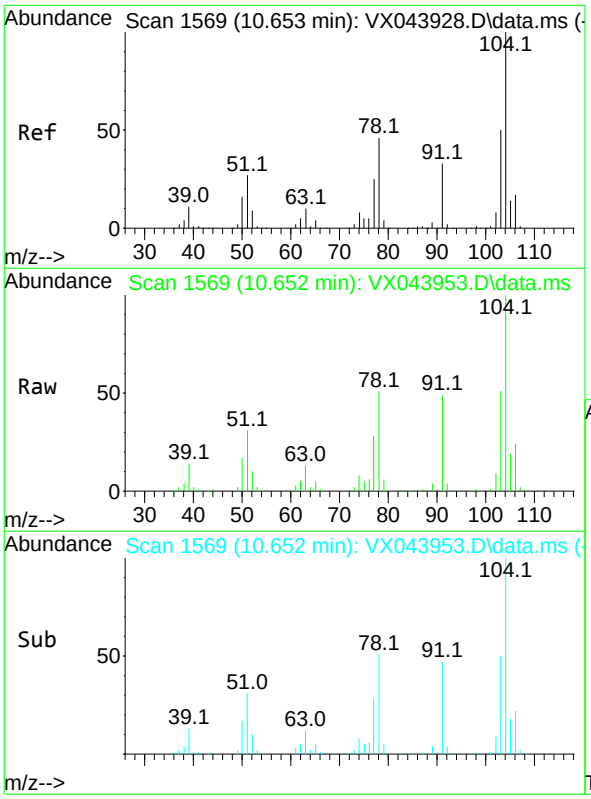
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.6 | 110.2 | 330.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

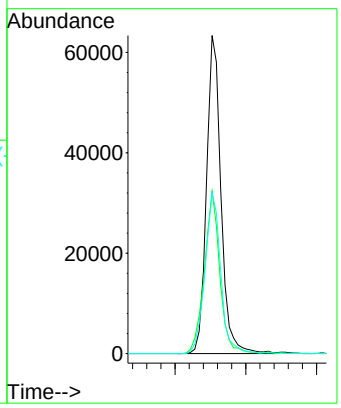
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

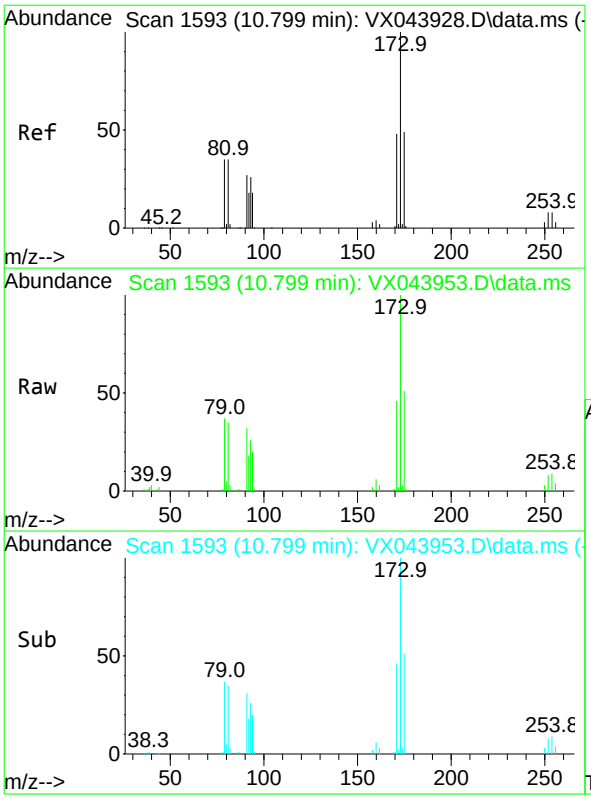



#70
Styrene
Concen: 20.579 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:104 Resp: 90186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 42.2 | 63.2 |
| 103 | 54.7 | 44.7 | 67.1 |

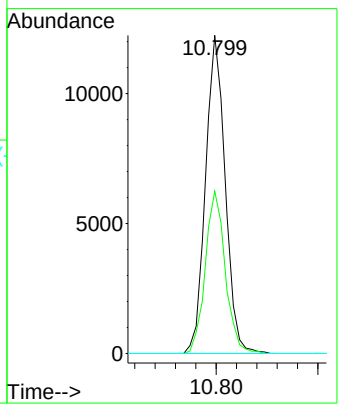





#71
Bromoform
Concen: 16.936 ug/l
RT: 10.799 min Scan# 15
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:173 Resp: 16436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.9 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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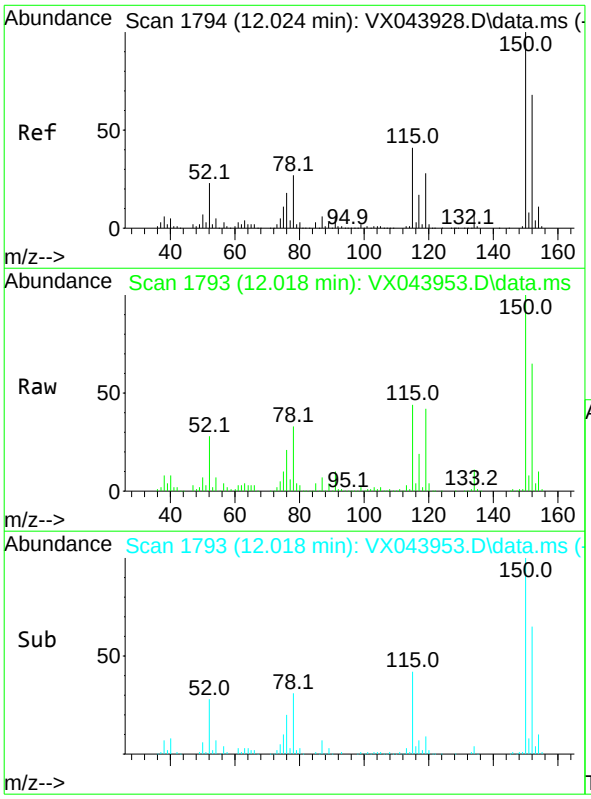
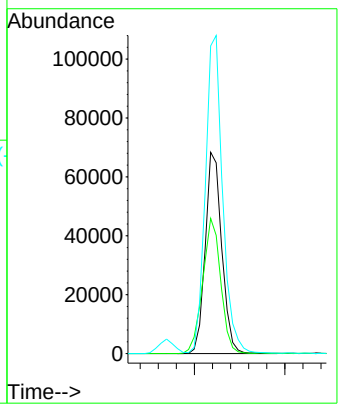
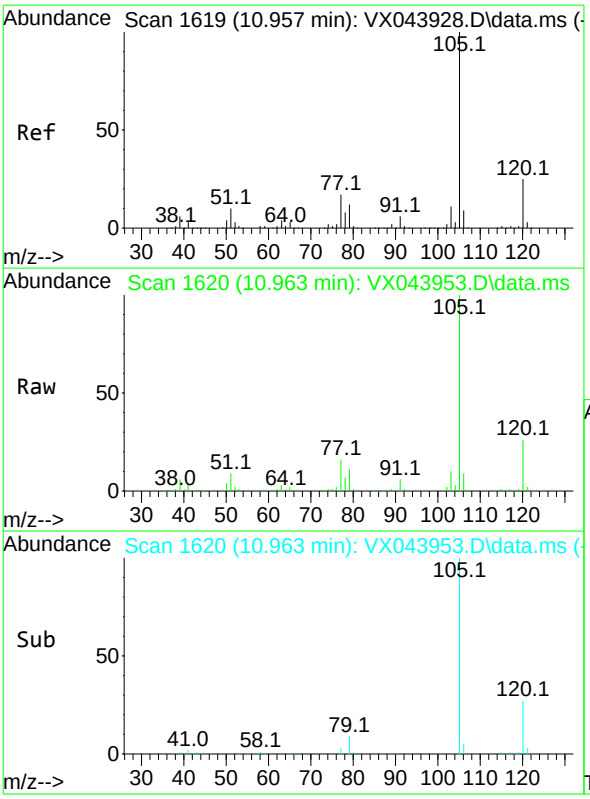



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:152 Resp: 86659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.0 | 45.4 | 136.2 |
| 150 | 164.6 | 0.0 | 353.0 |

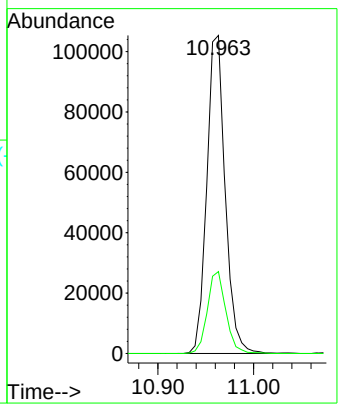





#73
Isopropylbenzene
Concen: 21.084 ug/l
RT: 10.963 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 140447

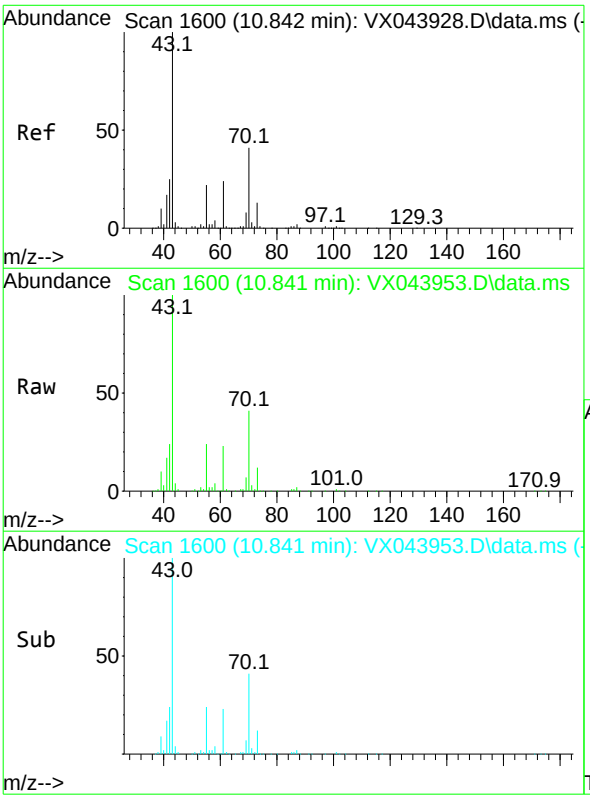
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 38.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

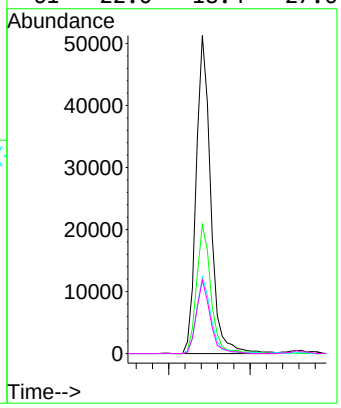
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

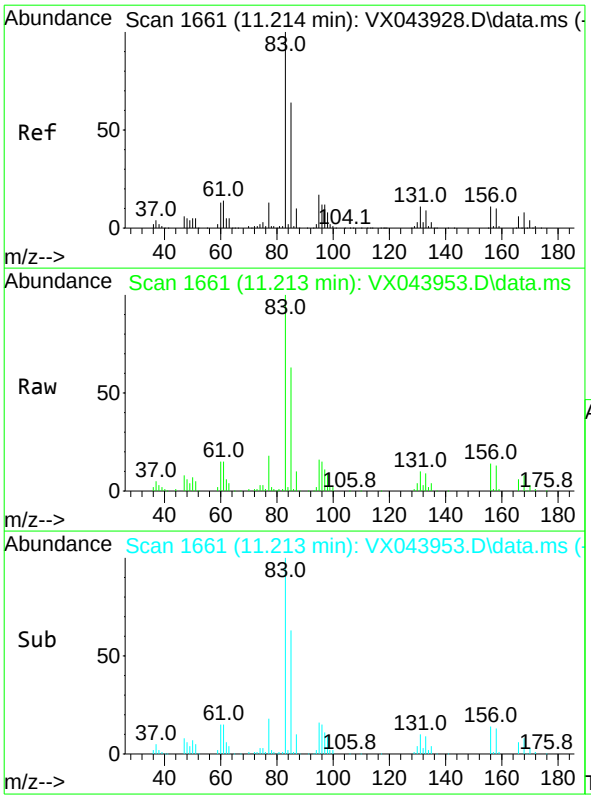



#74
N-amyl acetate
Concen: 20.600 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 32.2 | 48.2 |
| 55 | 23.8 | 18.1 | 27.1 |
| 61 | 22.0 | 18.4 | 27.6 |

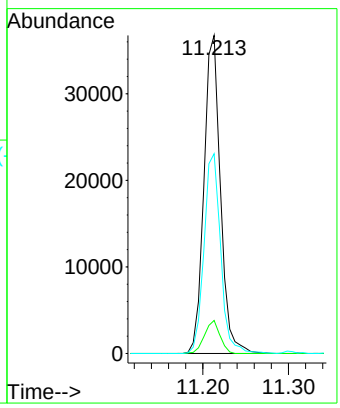





#75
1,1,2,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.213 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 49179

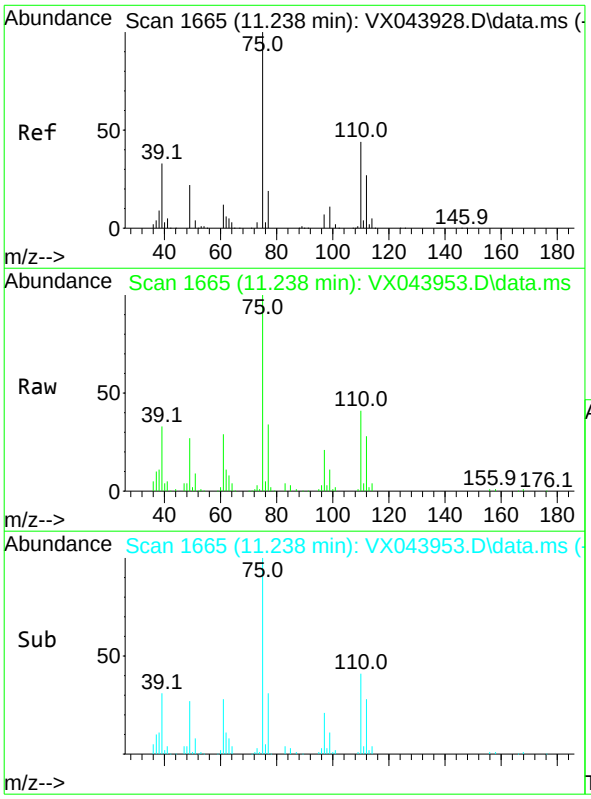
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.2 |
| 85 | 63.4 | 32.2 | 96.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

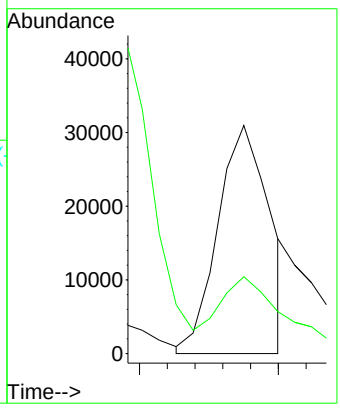
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

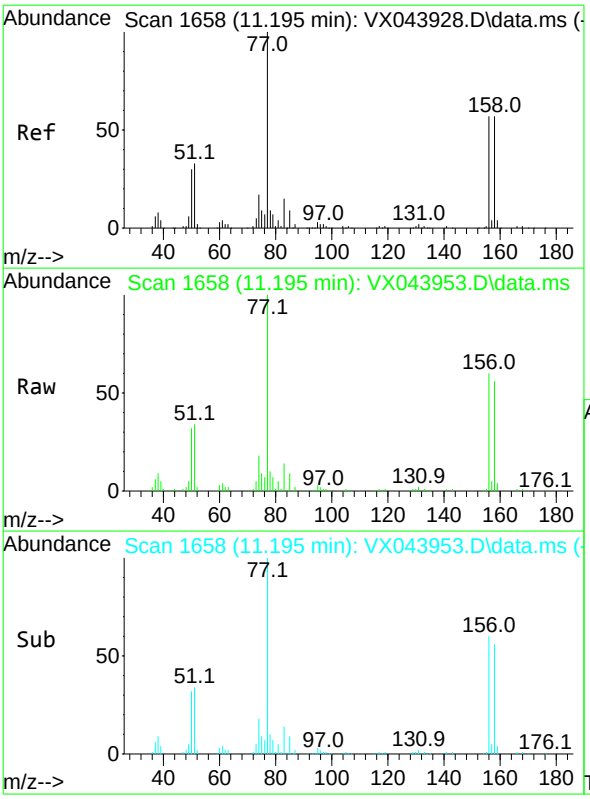



#76
1,2,3-Trichloropropane
Concen: 21.032 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 39969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.3 | 21.8 | 65.3 |






#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.195 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:156 Resp: 32930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.5 | 83.4 | 250.1 |
| 158 | 99.3 | 47.6 | 142.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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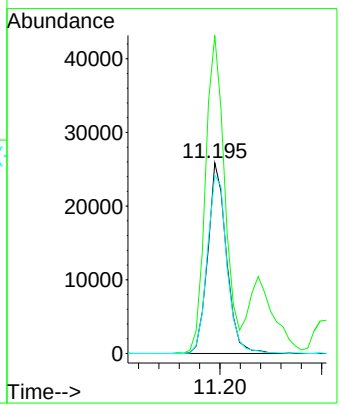
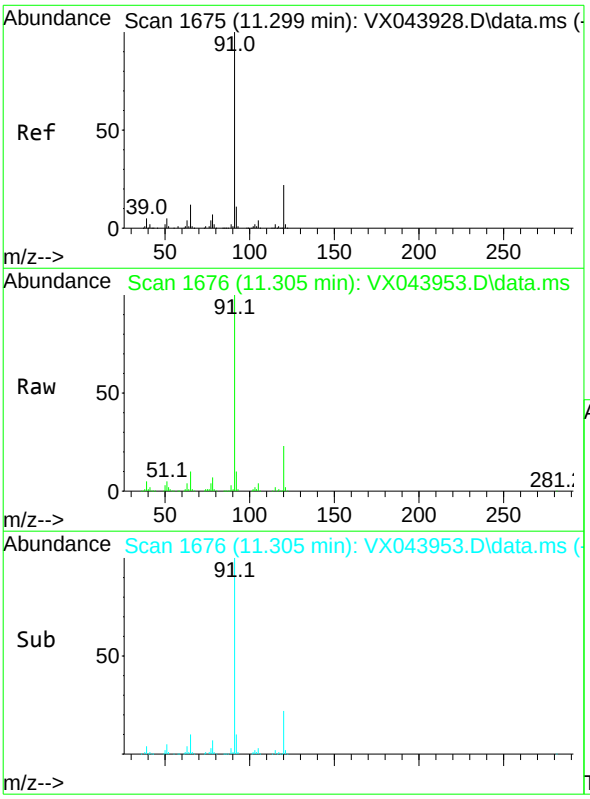
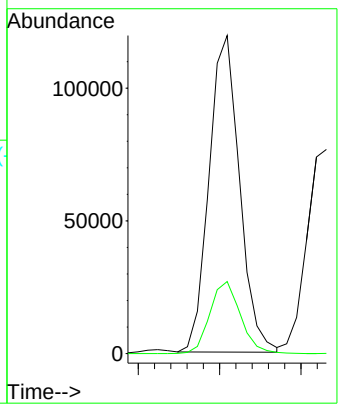


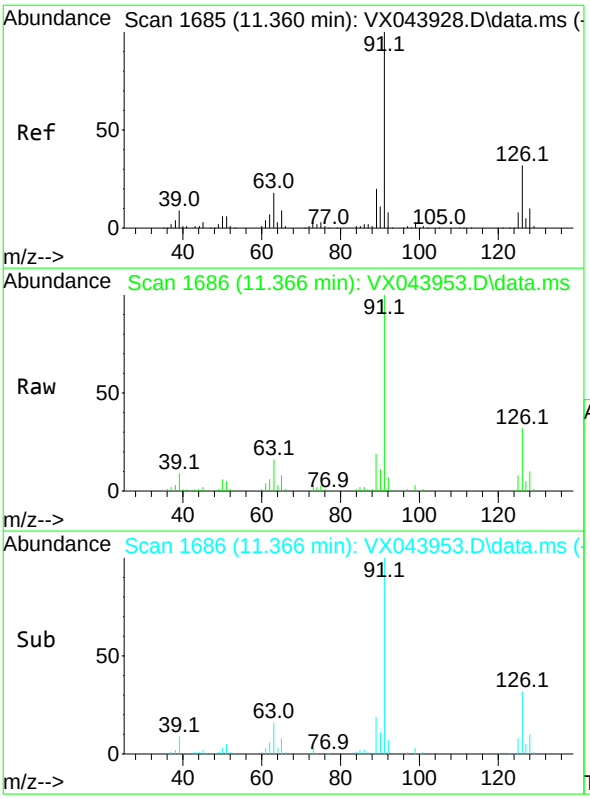




#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.5 | 34.4 |

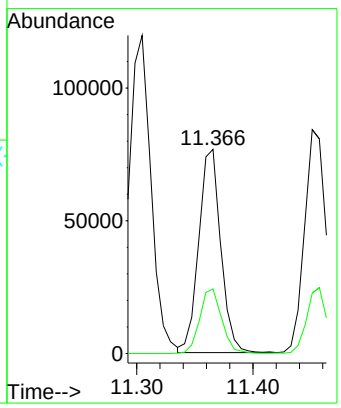





#79
2-Chlorotoluene
Concen: 21.442 ug/l
RT: 11.366 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 100875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.8 | 16.6 | 49.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

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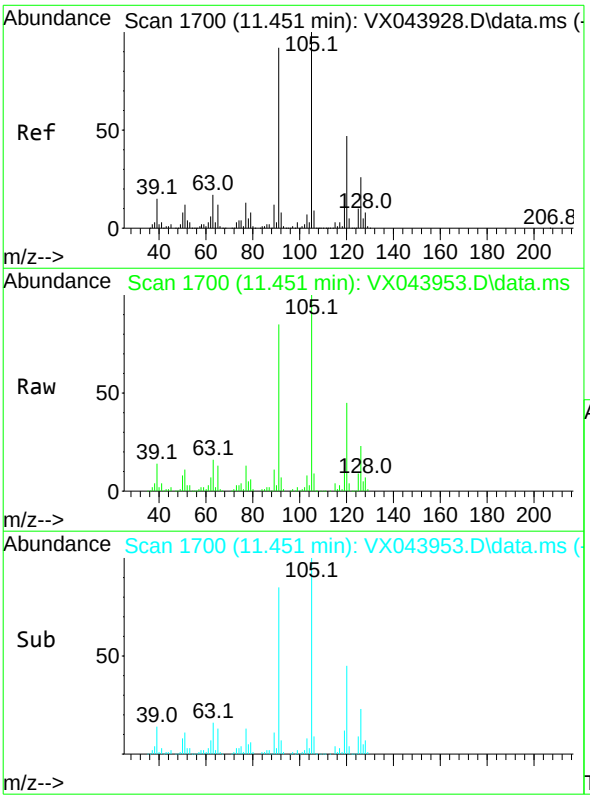
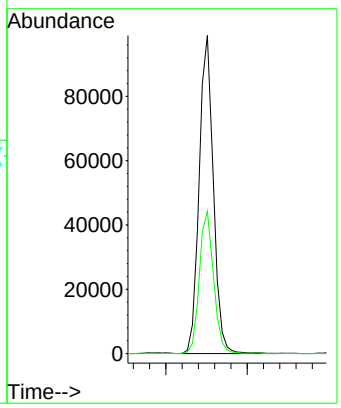
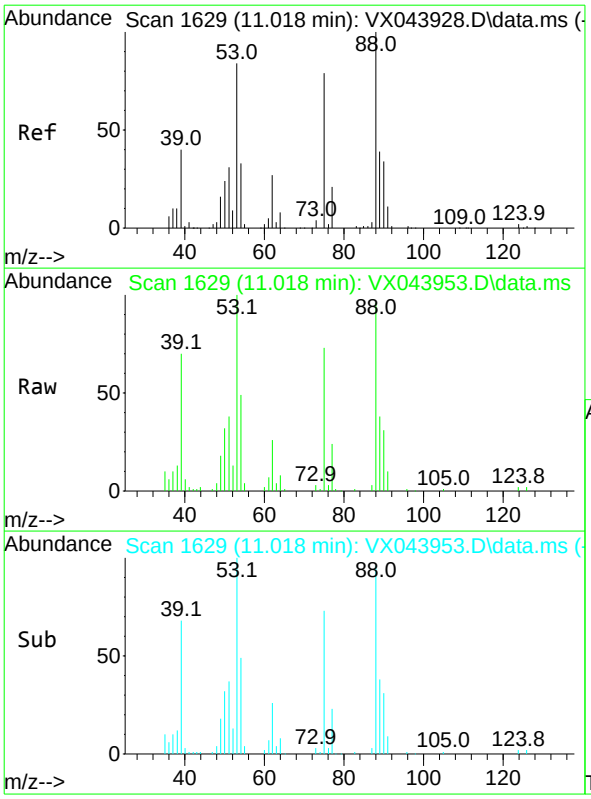



#80
1,3,5-Trimethylbenzene
Concen: 21.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 119899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 23.3 | 69.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 16.695 ug/l
RT: 11.018 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

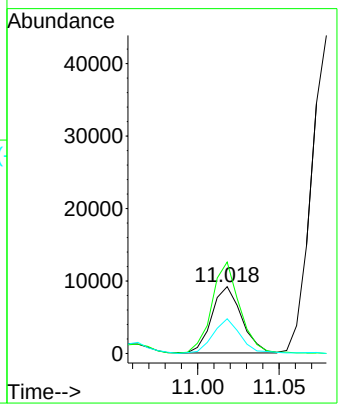
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

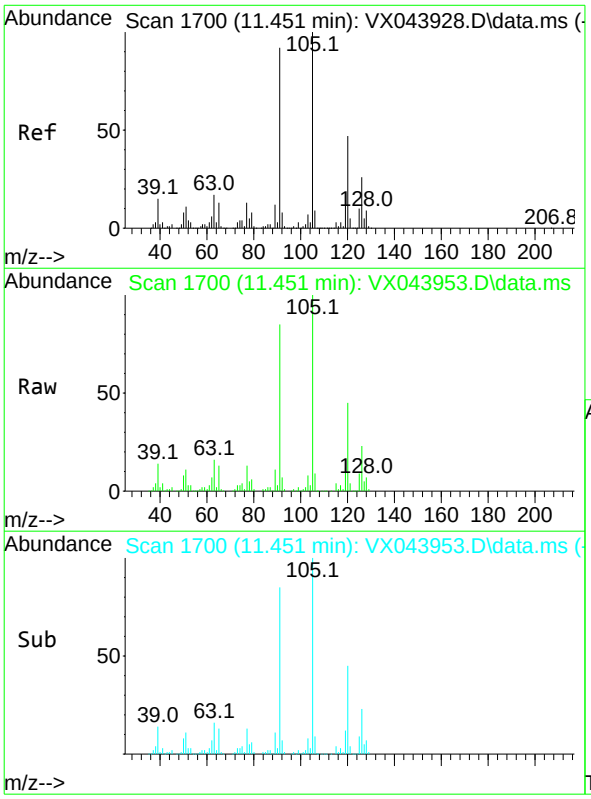
Tgt Ion: 75 Resp: 11627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 131.0 | 86.7 | 130.1# |
| 89 | 48.8 | 38.2 | 57.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

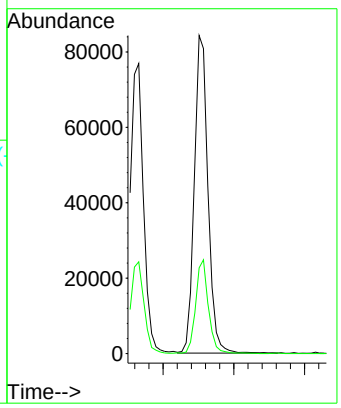


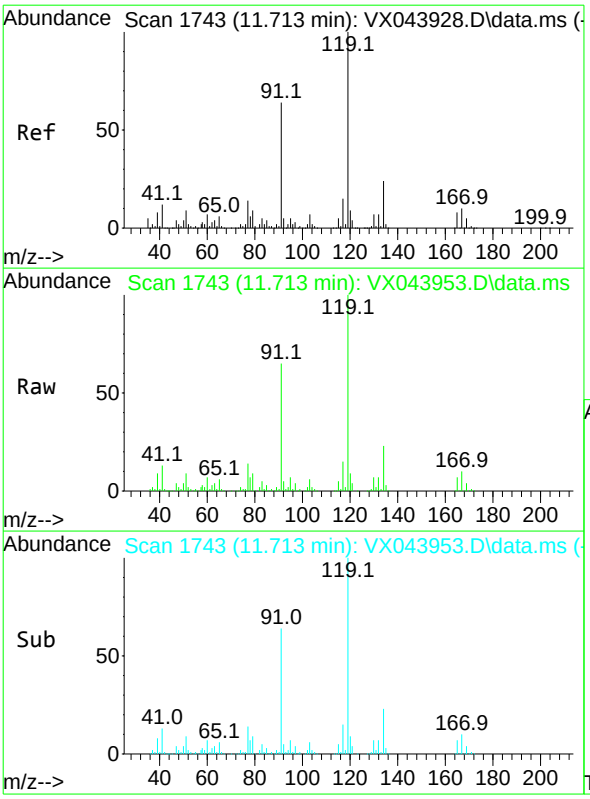




#82
4-Chlorotoluene
Concen: 21.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.9 | 14.3 | 42.9 |

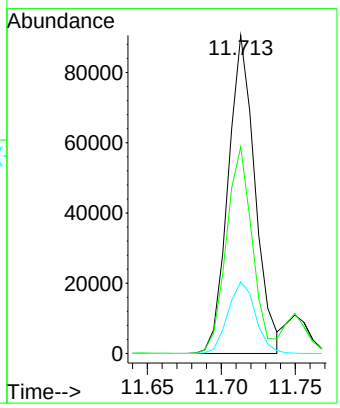





#83
tert-Butylbenzene
Concen: 21.028 ug/l
RT: 11.713 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114224

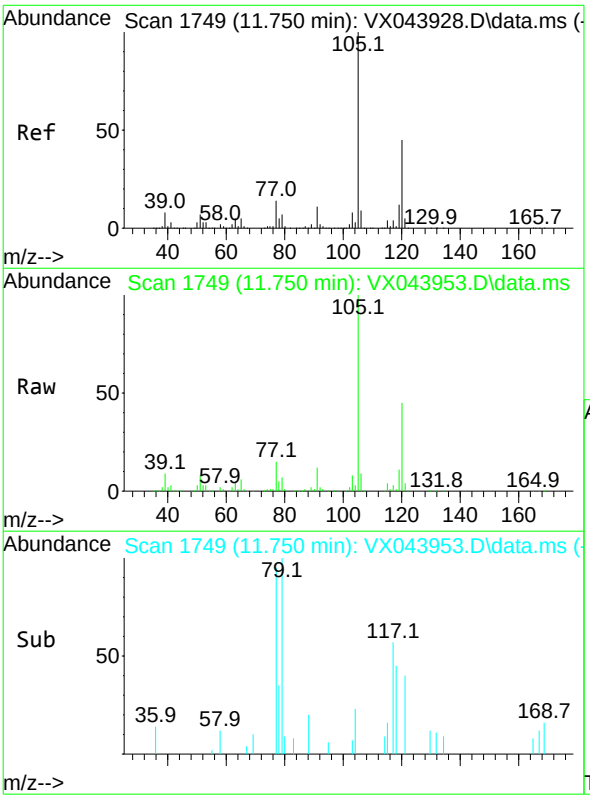
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.5 | 31.0 | 93.0 |
| 134 | 23.1 | 11.6 | 34.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

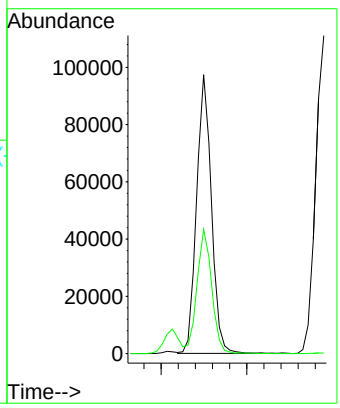
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

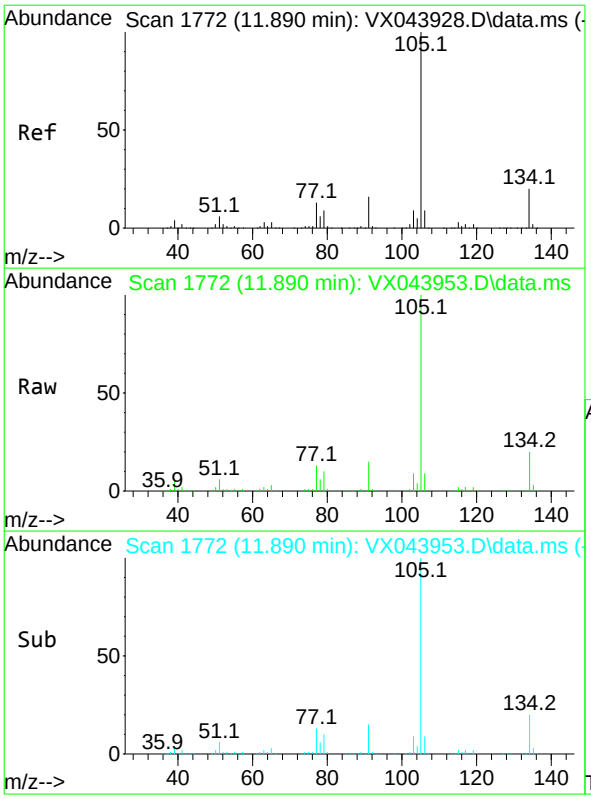



#84
1,2,4-Trimethylbenzene
Concen: 21.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 116894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 21.9 | 65.7 |

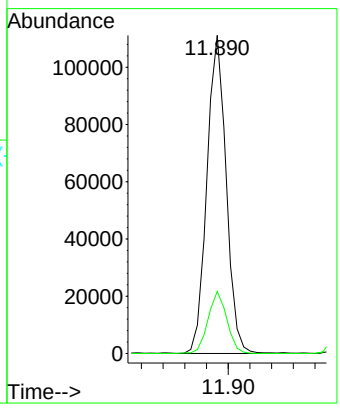





#85
sec-Butylbenzene
Concen: 20.577 ug/l
RT: 11.890 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 136947

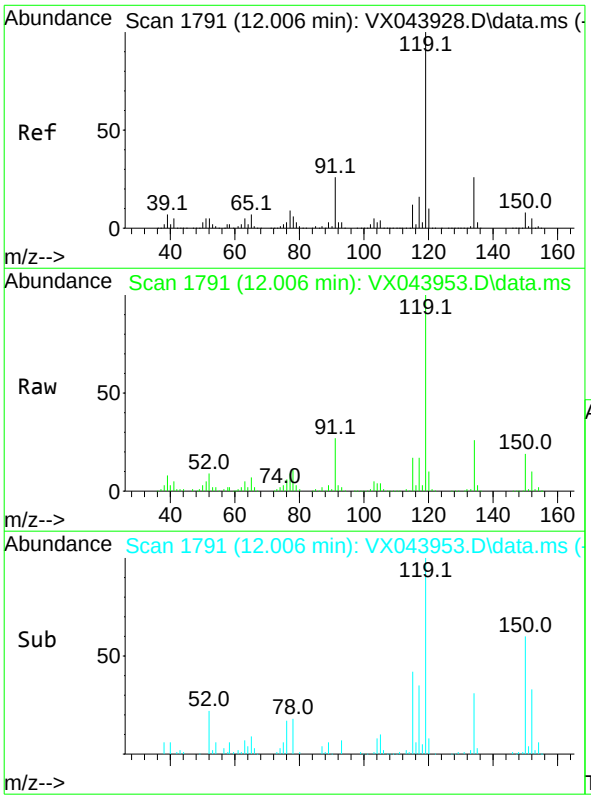
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.0 | 9.7 | 29.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

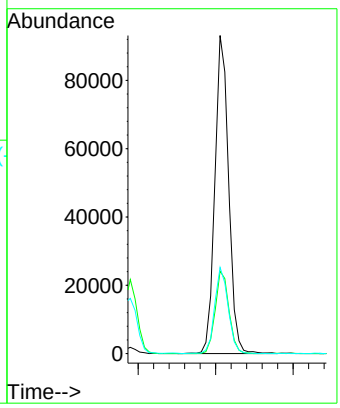
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

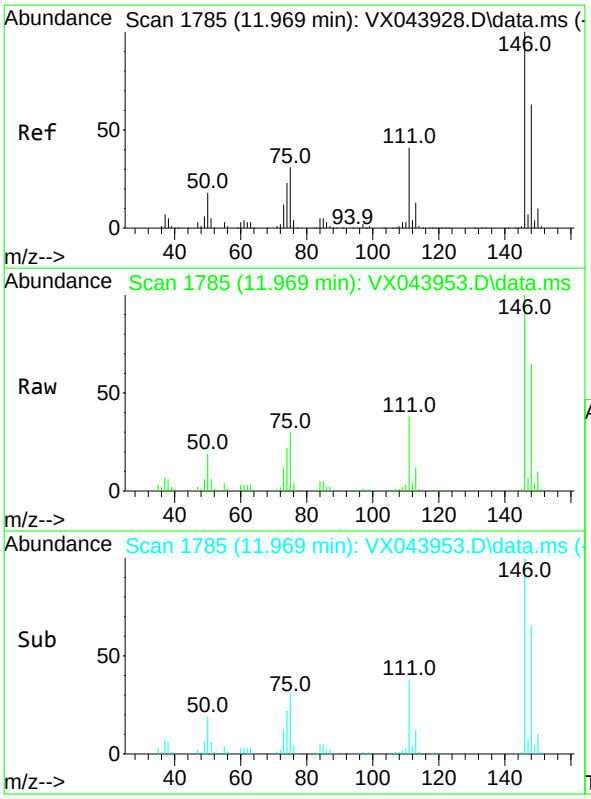



#86
p-Isopropyltoluene
Concen: 21.255 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 38.9 |
| 91 | 26.6 | 13.0 | 38.9 |






#87
1,3-Dichlorobenzene
Concen: 20.602 ug/l
RT: 11.969 min Scan# 17
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

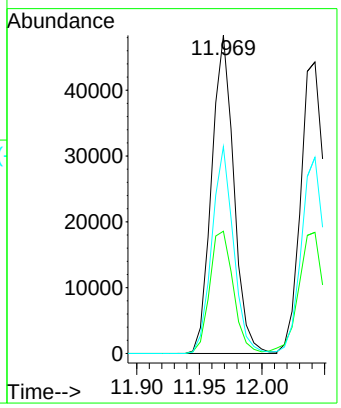
Tgt Ion:146 Resp: 59626

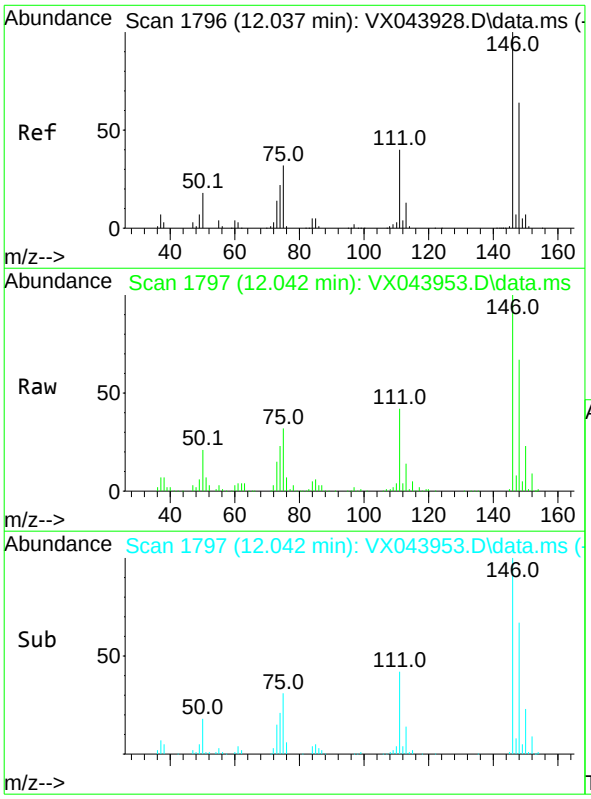
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.1 | 63.3 |
| 148 | 63.1 | 31.7 | 95.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

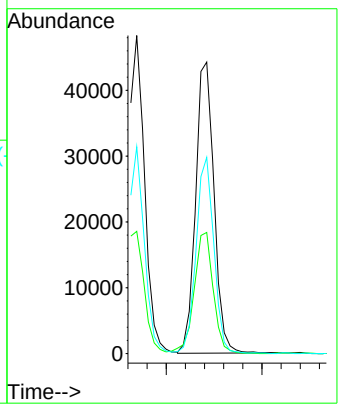


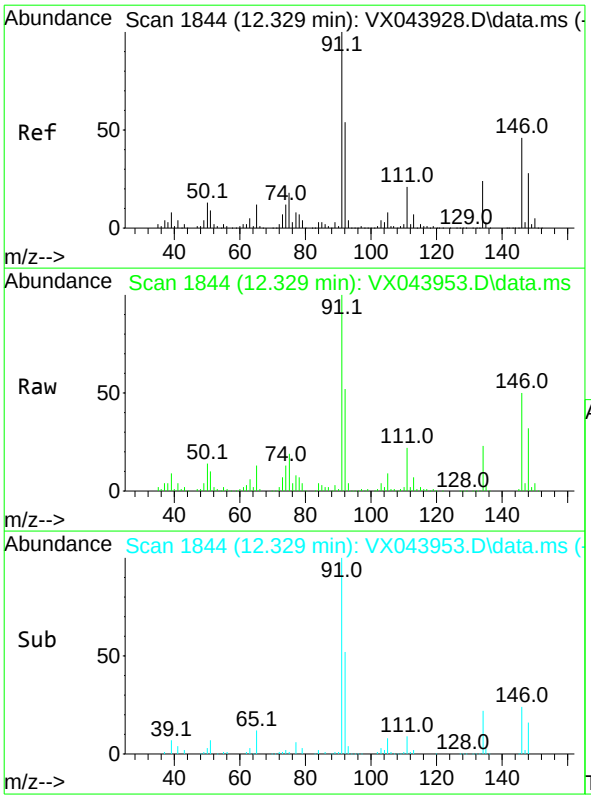




#88
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 20.1 | 60.3 |
| 148 | 65.5 | 30.9 | 92.8 |






#89
n-Butylbenzene
Concen: 20.917 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

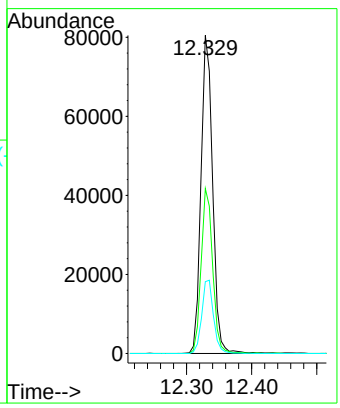
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

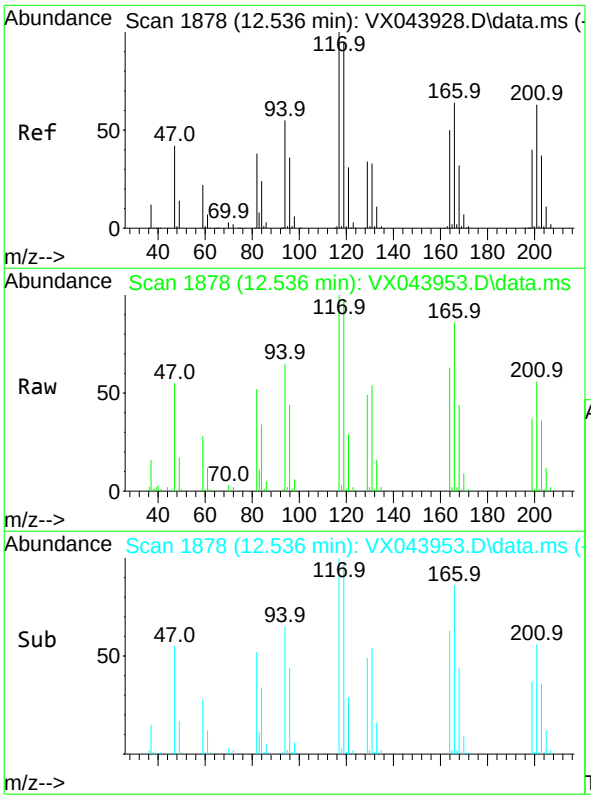
Tgt Ion: 91 Resp: 99700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.3 | 26.6 | 79.8 |
| 134 | 23.3 | 12.4 | 37.2 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

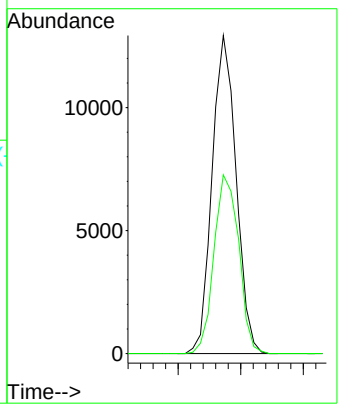


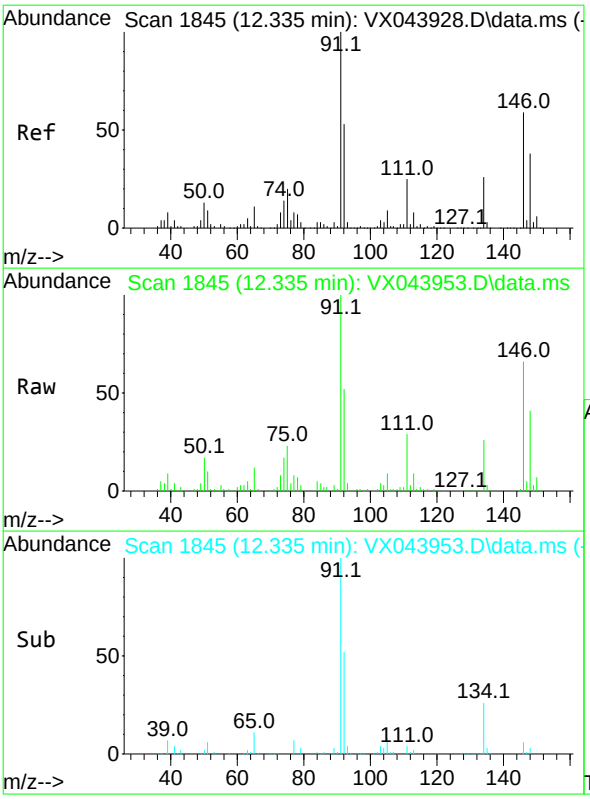




#90
Hexachloroethane
Concen: 18.732 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 17220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 57.9 | 32.4 | 97.0 |






#91
1,2-Dichlorobenzene
Concen: 20.654 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

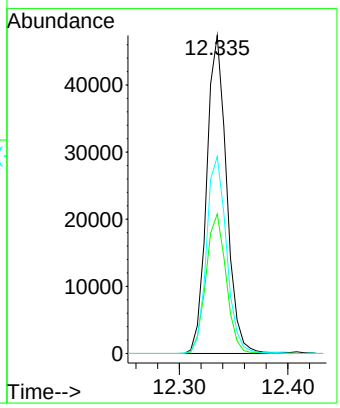
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

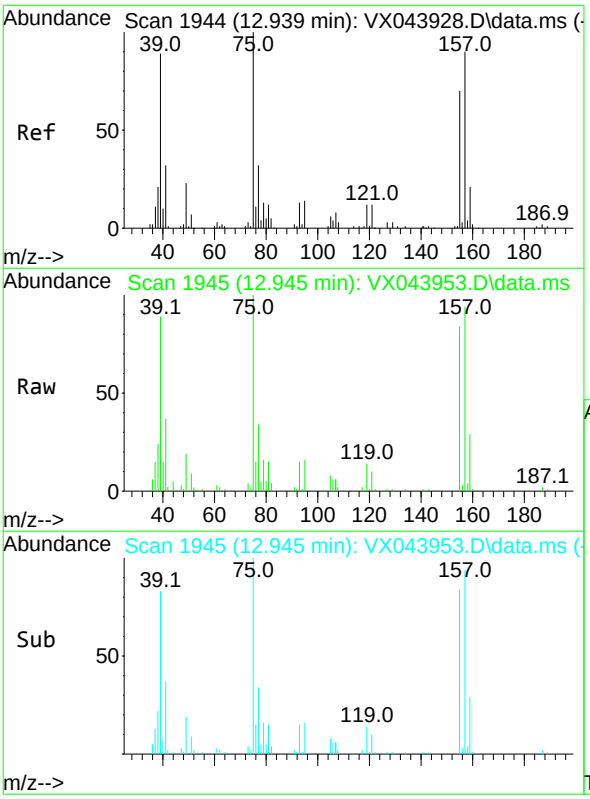
Tgt Ion:146 Resp: 60326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.6 | 21.5 | 64.5 |
| 148 | 62.5 | 31.9 | 95.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

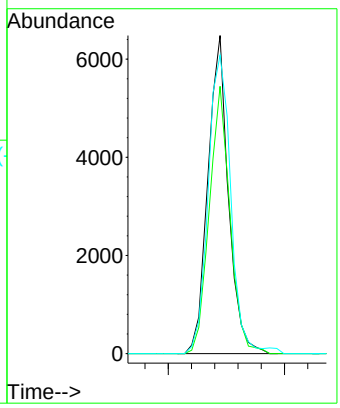


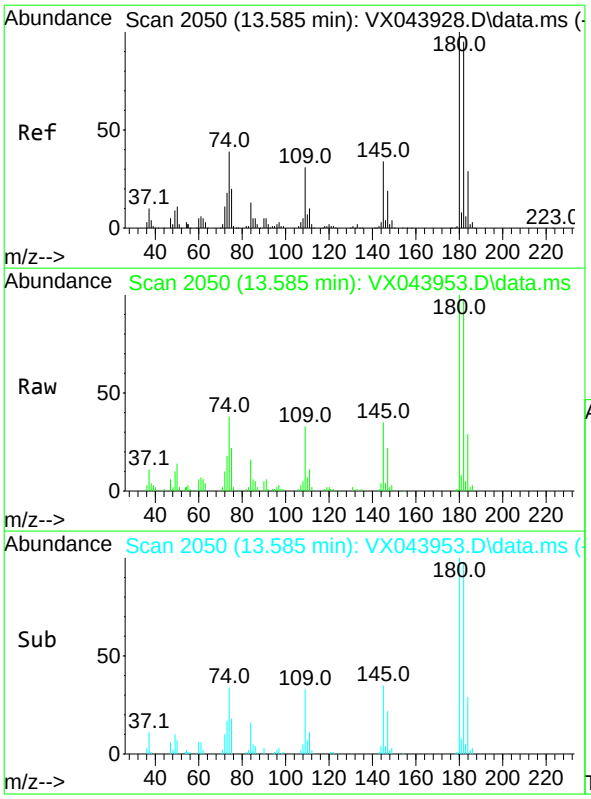




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.368 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 40.1 | 120.2 |
| 157 | 103.8 | 49.6 | 149.0 |






#93
1,2,4-Trichlorobenzene
Concen: 19.521 ug/l
RT: 13.585 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

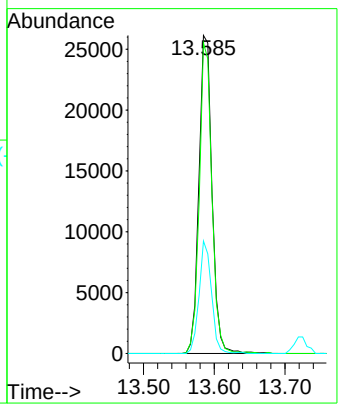
Tgt Ion:180 Resp: 33614

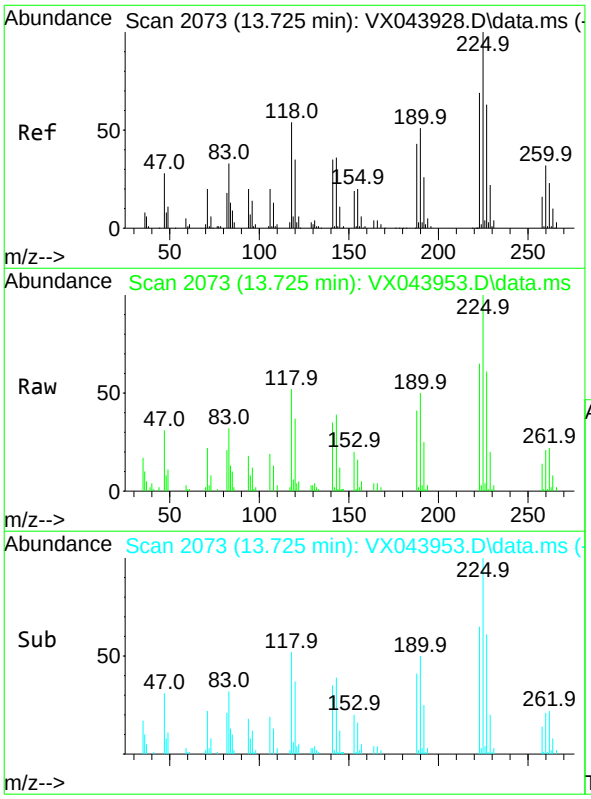
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 48.0 | 144.2 |
| 145 | 33.6 | 16.8 | 50.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

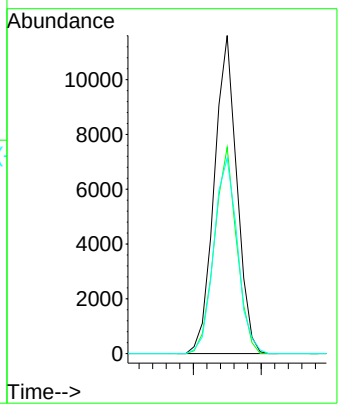


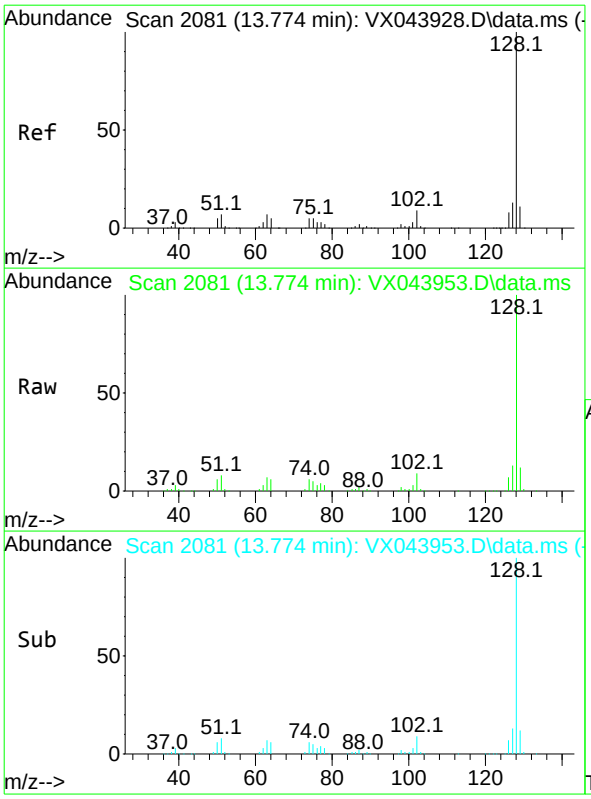




#94
Hexachlorobutadiene
Concen: 19.782 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:225 Resp: 13463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 32.9 | 98.6 |
| 227 | 64.2 | 31.6 | 94.8 |

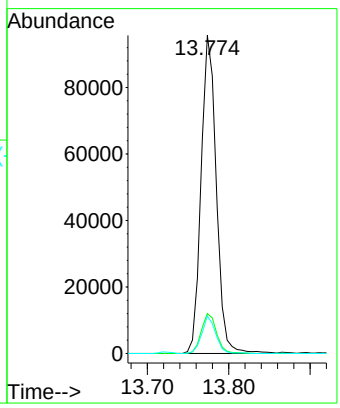





#95
Naphthalene
Concen: 20.050 ug/l
RT: 13.774 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:128 Resp: 124279

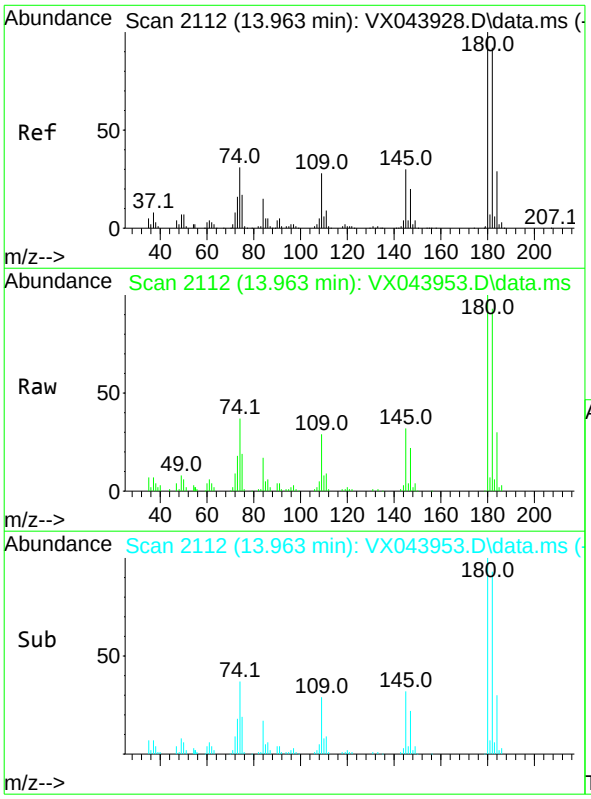
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

**Manual Integrations**
**APPROVED**

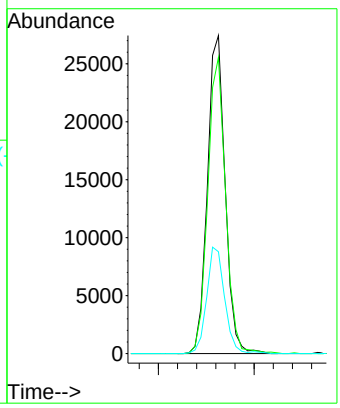
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024




#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 35212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 45.6 | 136.8 |
| 145 | 34.1 | 16.4 | 49.4 |



Raw Data: **VX043973.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119MS | SDG No.: | P4934 |
| Lab Sample ID: | P4934-06MS | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043973.D | 1 | | 11/22/24 20:19 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 51.8 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 50.0 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 55.4 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 51.5 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 48.1 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 49.2 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 49.0 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 200 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 42.7 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 52.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 49.5 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 51.2 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 53.2 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 240 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 47.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 52.1 | | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 52.3 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 53.3 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 45.2 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 49.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 50.1 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 41.9 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 51.0 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 50.2 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 250 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 49.6 | | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 48.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 48.3 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 48.6 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 250 | | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043973.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119MS | SDG No.: | P4934 |
| Lab Sample ID: | P4934-06MS | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043973.D | 1 | | 11/22/24 20:19 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 48.7 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 46.8 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 48.6 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 50.0 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 100 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 51.1 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 52.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 43.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 48.4 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 48.6 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 46.6 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 46.8 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 47.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.5 | | 81 - 118 | | 105% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.3 | | 80 - 119 | | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.2 | | 89 - 112 | | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.5 | | 85 - 114 | | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 112000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 213000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 181000 | 10.049 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 86100 | 12.018 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX043973.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 112356 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 212948 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 180718 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 86103 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 101111 | 52.468 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.940% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 74989 | 49.282 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.560% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257806 | 49.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.300% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90075 | 50.460 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.920% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 68527 | 48.144 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 77653 | 51.844 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 79667 | 50.006 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 54292 | 55.396 | ug/l | 94 |
| 6) Chloroethane | 1.666 | 64 | 49950 | 51.454 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 137053 | 48.117 | ug/l | 96 |
| 8) Diethyl Ether | 2.136 | 74 | 55213 | 53.184 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 66905 | 49.243 | ug/l | 97 |
| 10) Methyl Iodide | 2.441 | 142 | 83161 | 49.009 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 71192 | 230.159 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 63497 | 49.045 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 82680 | 253.595 | ug/l | 94 |
| 14) Allyl chloride | 2.654 | 41 | 106657 | 50.417 | ug/l | 96 |
| 15) Acrylonitrile | 3.063 | 53 | 189866 | 251.884 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 177415 | 200.446 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 114161 | 42.748 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 95680 | 46.420 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 246553 | 52.448 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 74313 | 49.476 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 68392 | 51.166 | ug/l | 95 |
| 22) Diisopropyl ether | 3.758 | 45 | 242328 | 53.570 | ug/l | 94 |
| 23) Vinyl Acetate | 3.715 | 43 | 987013 | 255.066 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 138943 | 53.243 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 275794 | 241.489 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 107844 | 45.759 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 86152 | 52.142 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 63098 | 54.931 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 179014 | 255.678 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 146838 | 52.317 | ug/l | 99 |
| 31) Cyclohexane | 5.465 | 56 | 104741 | 48.766 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 128936 | 53.270 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91242 | 48.120 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 105985 | 45.029 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 100188 | 47.024 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 111296 | 45.182 | ug/l | 97 |
| 40) Benzene | 6.032 | 78 | 289813 | 49.068 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 58512 | 48.571 ug/l | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 118959 | 50.149 ug/l | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 175457 | 46.841 ug/l | 100 |
| 44) Trichloroethene | 7.117 | 130 | 70053 | 41.898 ug/l | 92 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 73724 | 50.964 ug/l | 100 |
| 46) Dibromomethane | 7.580 | 93 | 56832 | 49.665 ug/l | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 103090 | 50.231 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 86756 | 48.268 ug/l | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 31685 | 989.637 ug/l | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 568625 | 248.756 ug/l | 99 |
| 52) Toluene | 8.714 | 92 | 175174 | 49.553 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 101789 | 48.637 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 110702 | 48.251 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 70895 | 48.582 ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 114105 | 50.201 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 122428 | 49.804 ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 422869 | 246.123 ug/l | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 71333 | 48.720 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 74152 | 50.254 ug/l | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 55723 | 46.762 ug/l | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 192945 | 48.612 ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 66035 | 51.300 ug/l | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 336300 | 50.003 ug/l | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 251786 | 100.388 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 125030 | 51.057 ug/l | 99 |
| 70) Styrene | 10.653 | 104 | 212135 | 52.376 ug/l | 99 |
| 71) Bromoform | 10.799 | 173 | 41719 | 43.146 ug/l # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 320568 | 48.434 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 143653 | 46.852 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 110147 | 48.602 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 92007m | 48.727 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 74543 | 47.213 ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 360526 | 48.772 ug/l | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 223225 | 47.756 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 265035 | 48.673 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29118 | 42.080 ug/l | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 253775 | 48.089 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 261550 | 48.461 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 267291 | 49.305 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 317529 | 48.018 ug/l | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 267370 | 49.776 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.970 | 146 | 133915 | 46.569 ug/l | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 137083 | 46.757 ug/l | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 225022 | 47.515 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 40654 | 44.510 ug/l | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 138255 | 47.641 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 20620 | 45.408 ug/l | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 77084 | 45.054 ug/l | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 27998 | 41.406 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 293168 | 47.601 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 79356 | 45.825 ug/l | 95 |

Sample Results: **VX043973.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

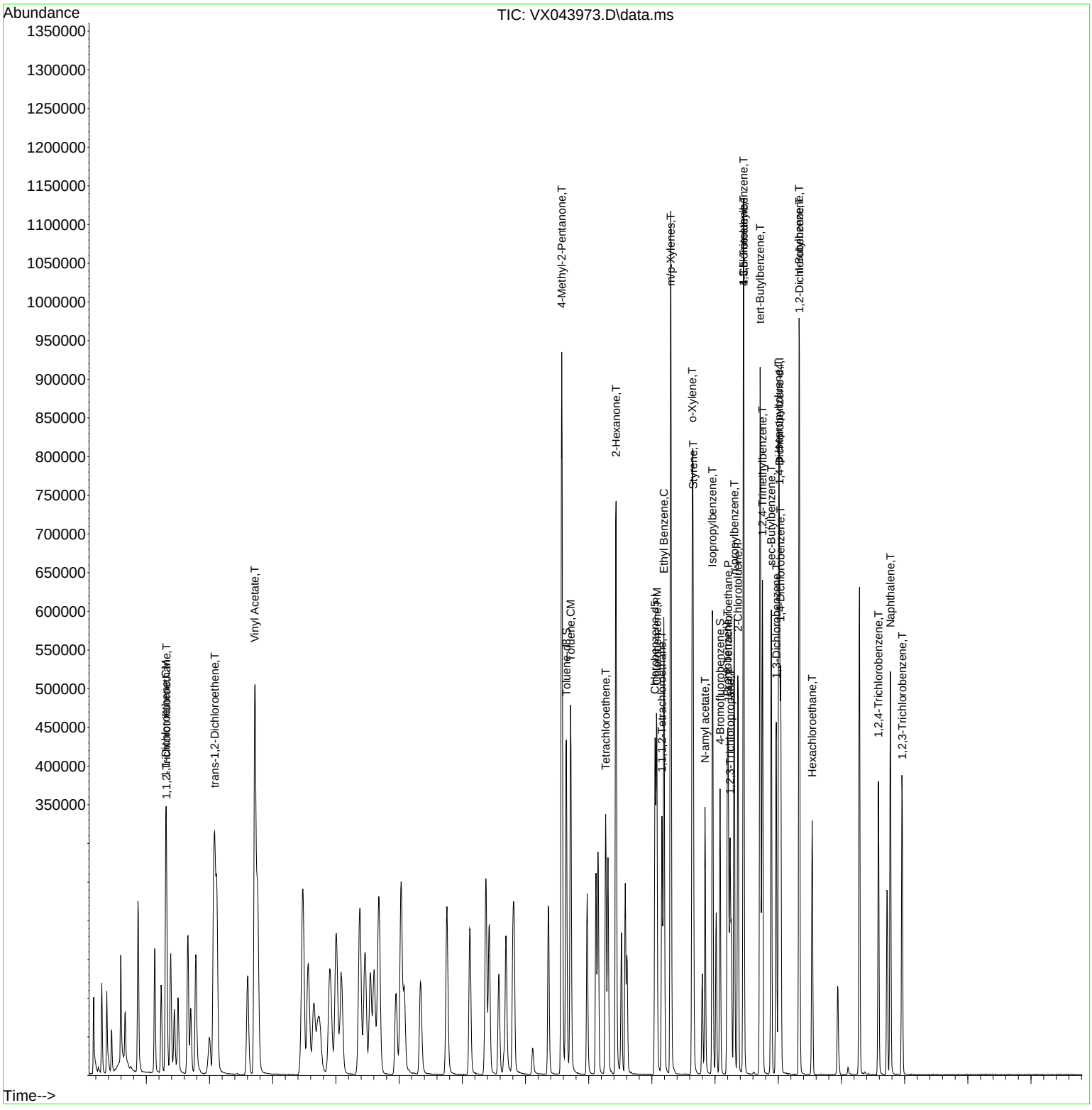
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

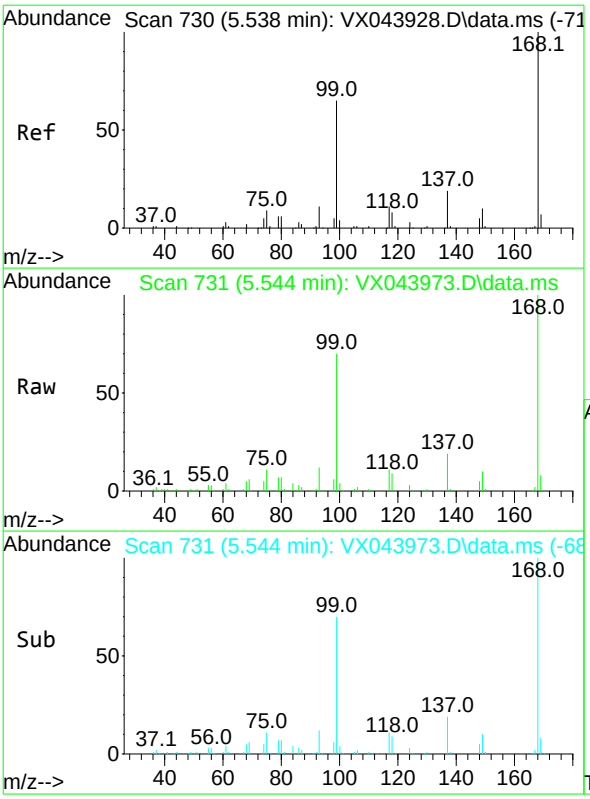
Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

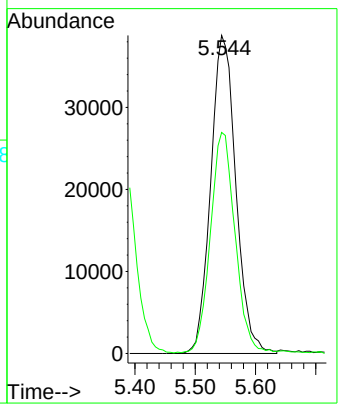





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 73
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:168 Resp: 112356

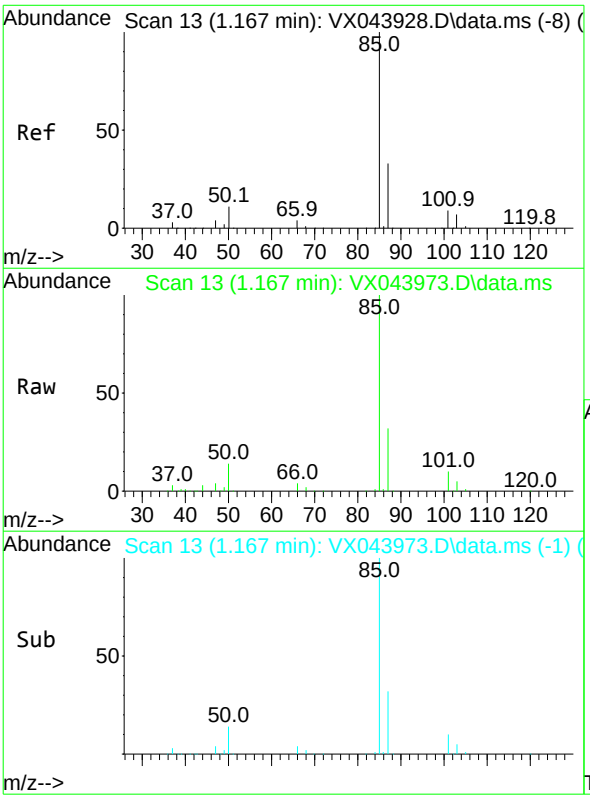
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.1 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

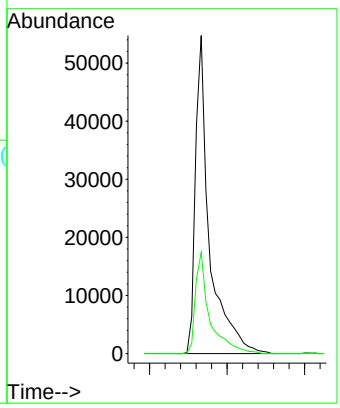
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

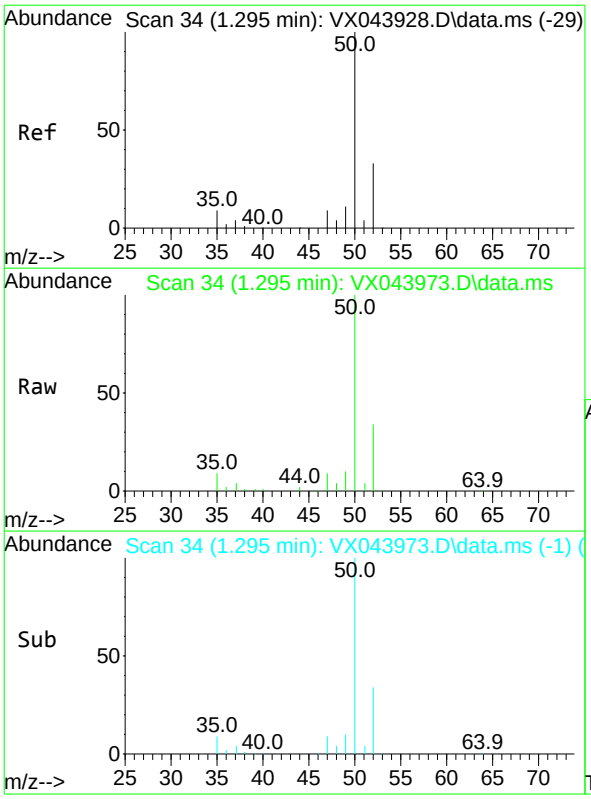



#2
Dichlorodifluoromethane
Concen: 48.144 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 85 Resp: 68527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 16.6 | 49.8 |

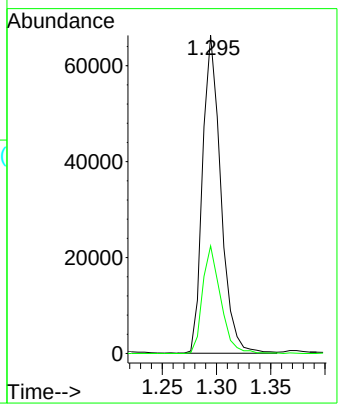





#3
Chloromethane
Concen: 51.844 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 50 Resp: 77653

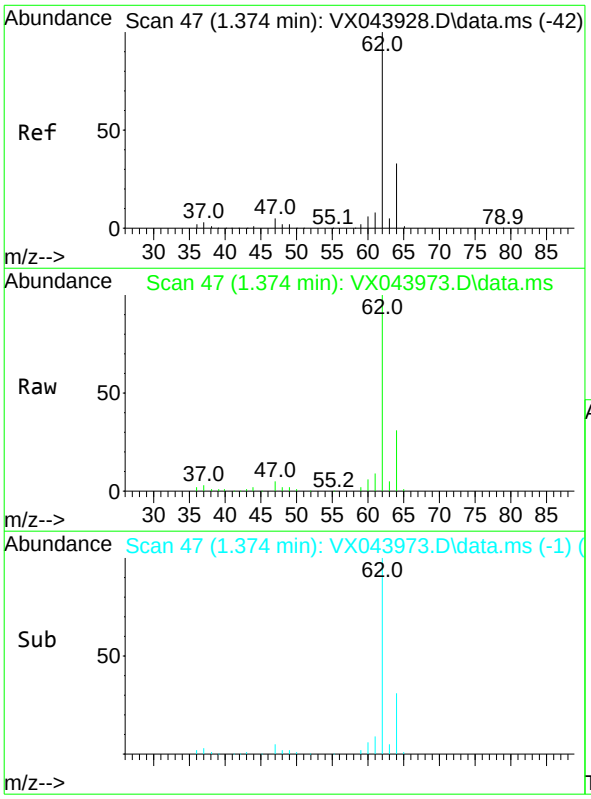
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

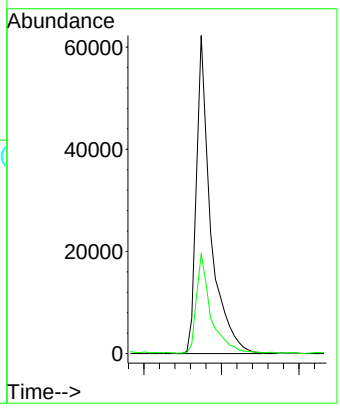
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

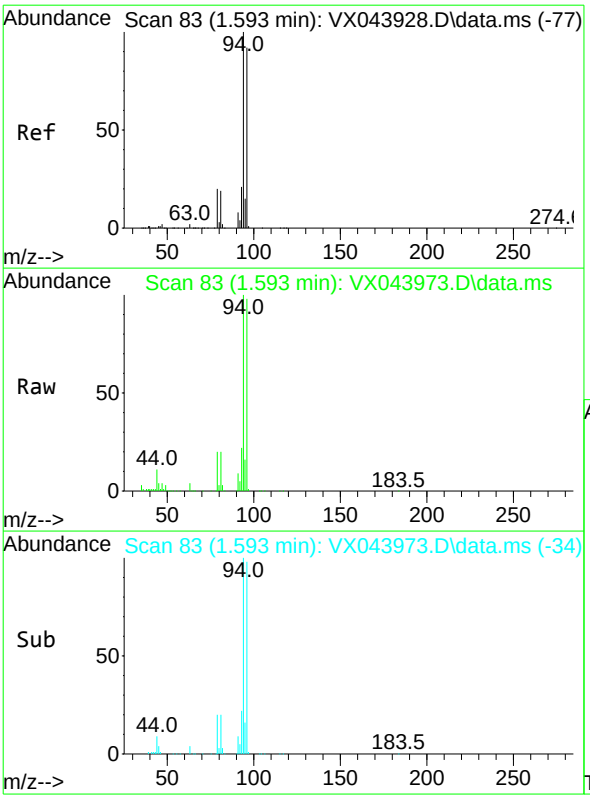



#4
Vinyl Chloride
Concen: 50.006 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 62 Resp: 79667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.2 | 39.4 |

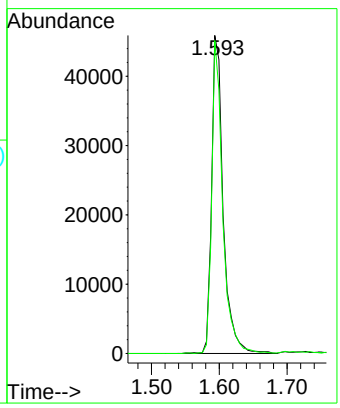





#5
Bromomethane
Concen: 55.396 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 94 Resp: 54292

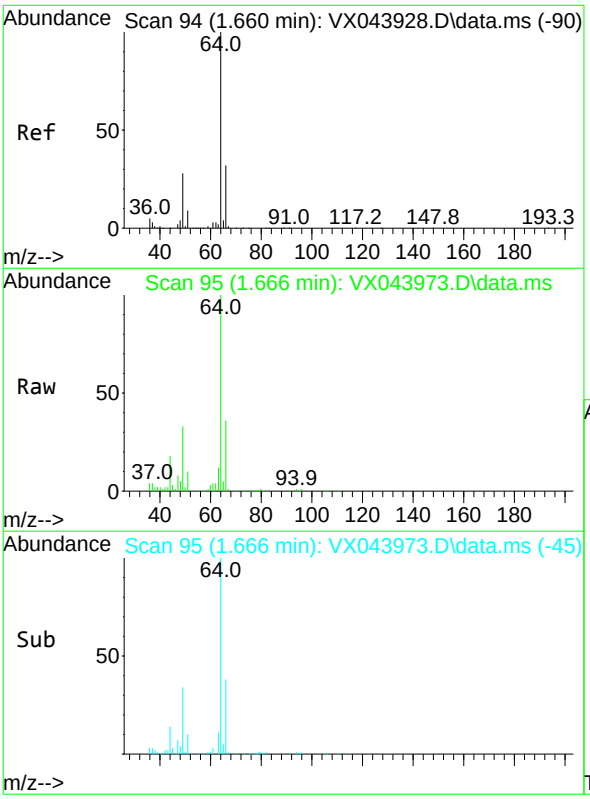
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.4 | 73.9 | 110.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

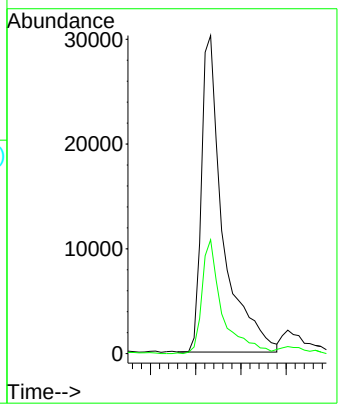
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

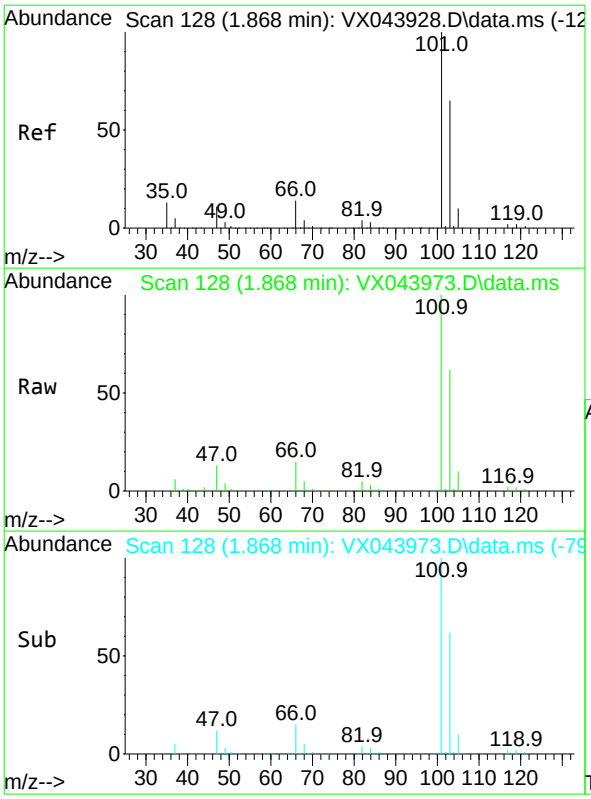



#6
Chloroethane
Concen: 51.454 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 64 Resp: 49950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.7 | 25.9 | 38.9 |

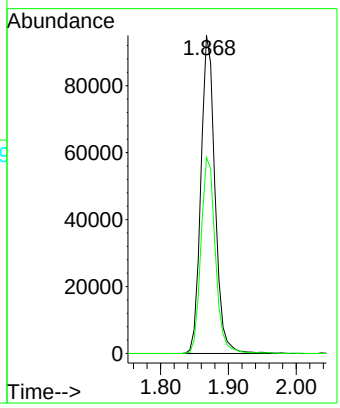





#7
Trichlorofluoromethane
Concen: 48.117 ug/l
RT: 1.868 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:101 Resp: 137053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.7 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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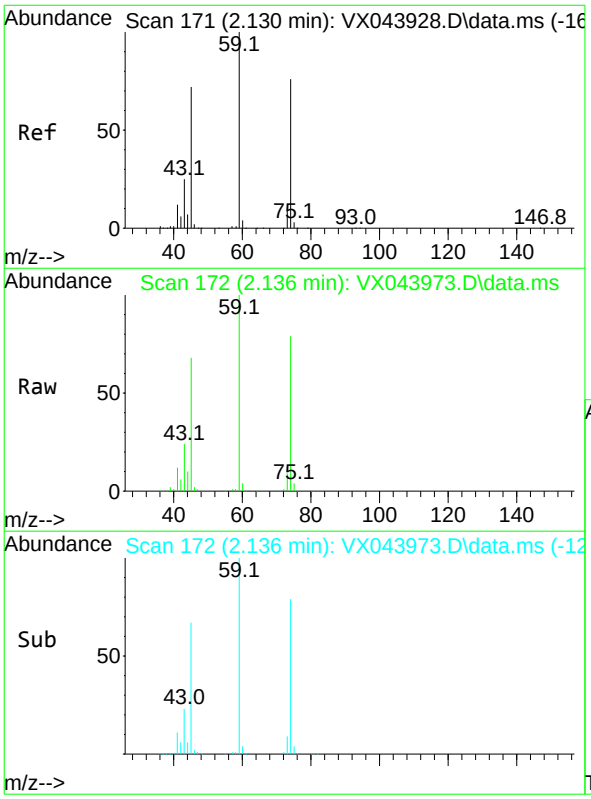
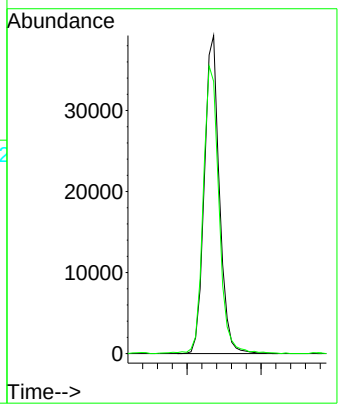
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

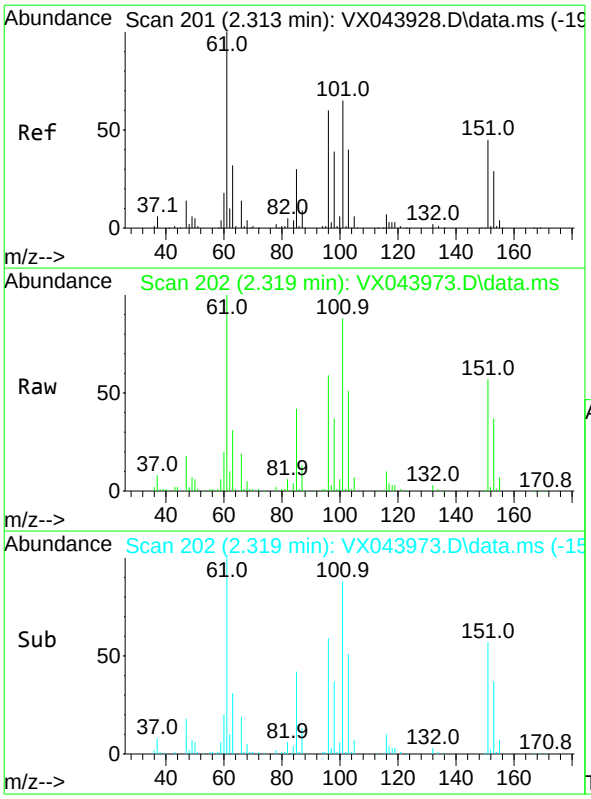



#8
Diethyl Ether
Concen: 53.184 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 74 Resp: 55213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.1 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.243 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

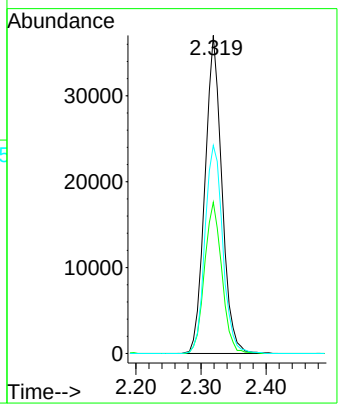
**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

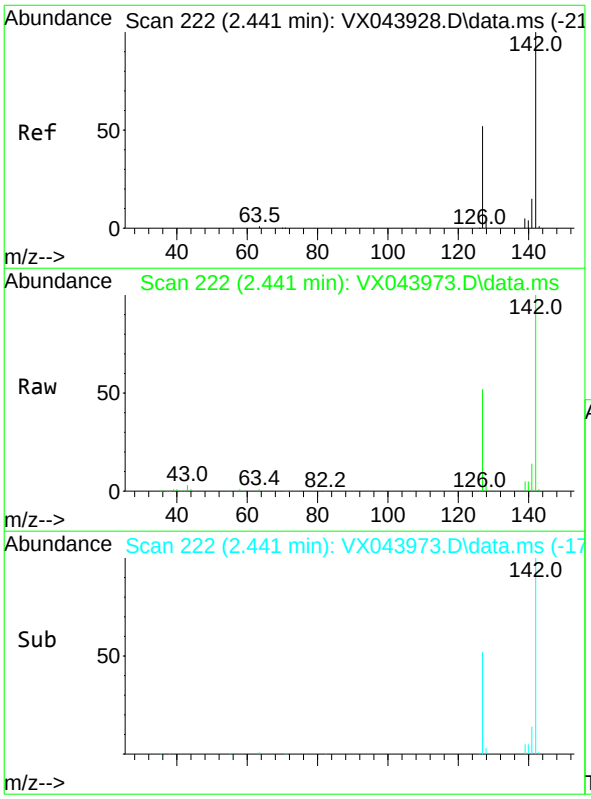
Tgt Ion:101 Resp: 66905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.5 | 37.9 | 56.9 |
| 151 | 68.7 | 57.5 | 86.3 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

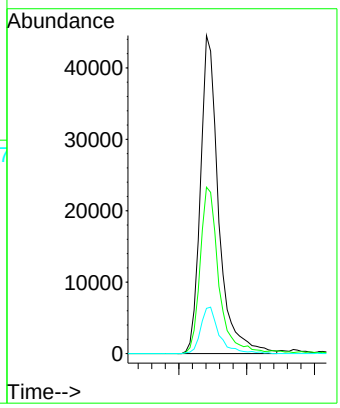


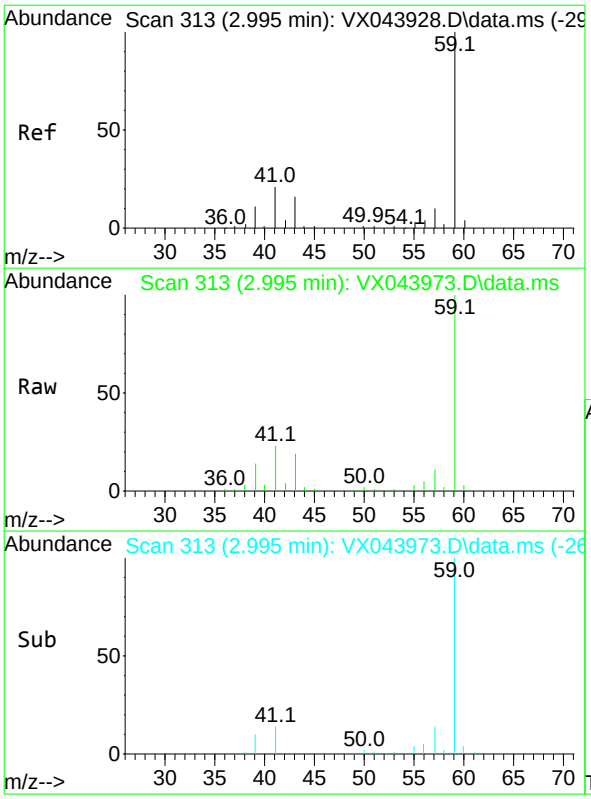




#10
Methyl Iodide
Concen: 49.009 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:142 Resp: 83161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.2 | 40.7 | 61.1 |
| 141 | 14.8 | 12.0 | 18.0 |

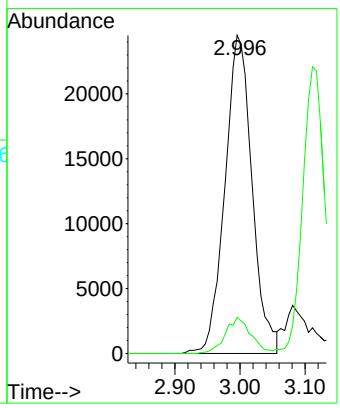





#11
Tert butyl alcohol
Concen: 230.159 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 59 Resp: 71192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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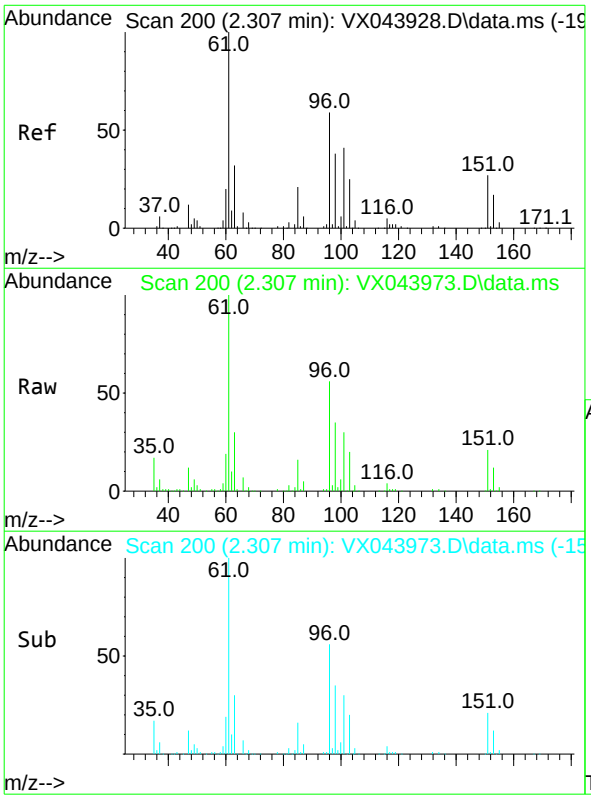
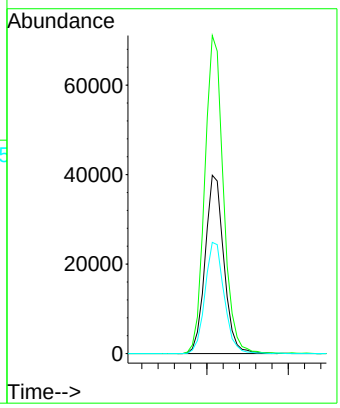
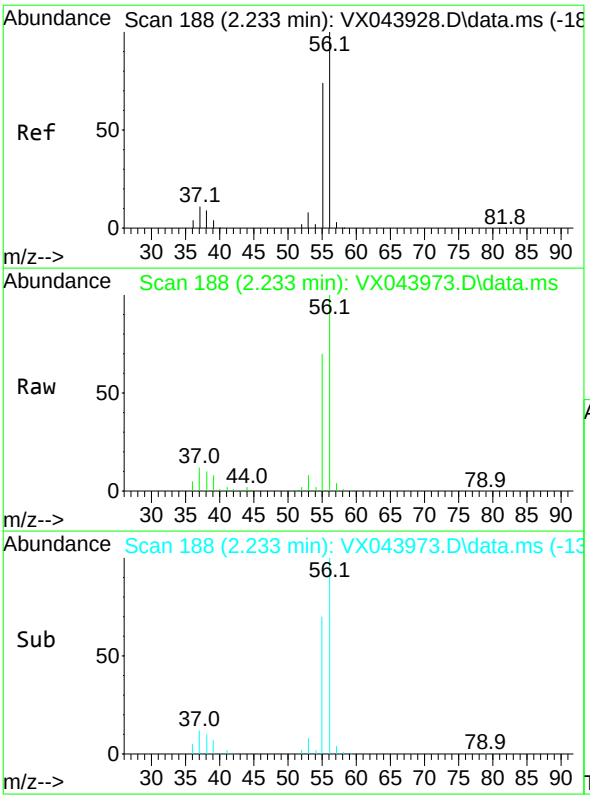



#12
1,1-Dichloroethene
Concen: 49.045 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 96 Resp: 63497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.3 | 135.5 | 203.3 |
| 98 | 62.4 | 50.8 | 76.2 |

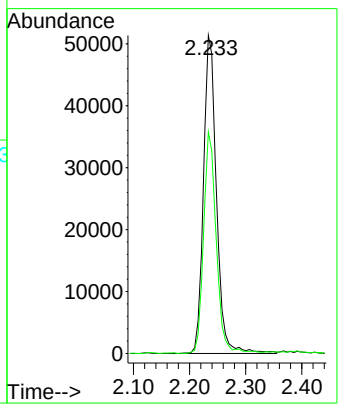





#13
Acrolein
Concen: 253.595 ug/l
RT: 2.233 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 56 Resp: 82680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.1 | 58.2 | 87.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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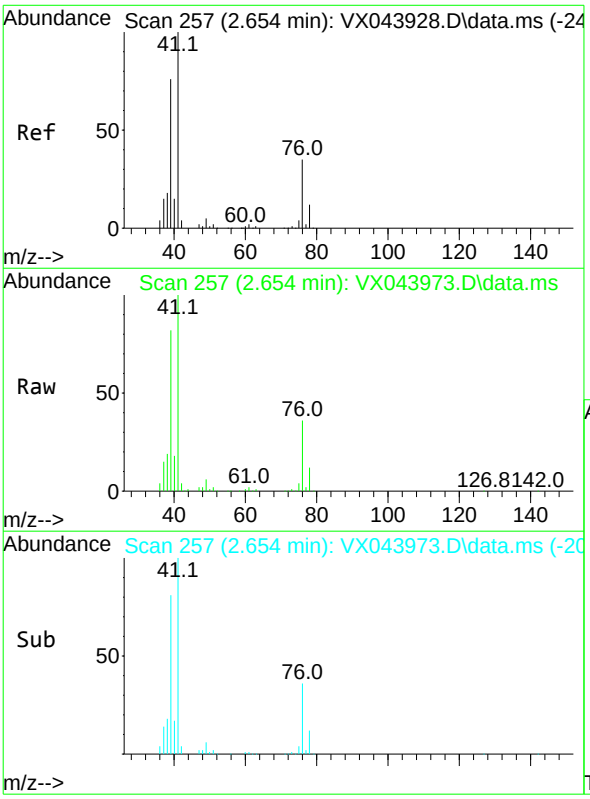
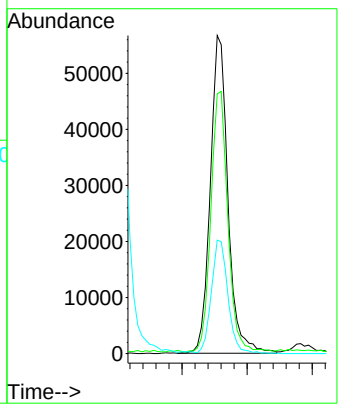
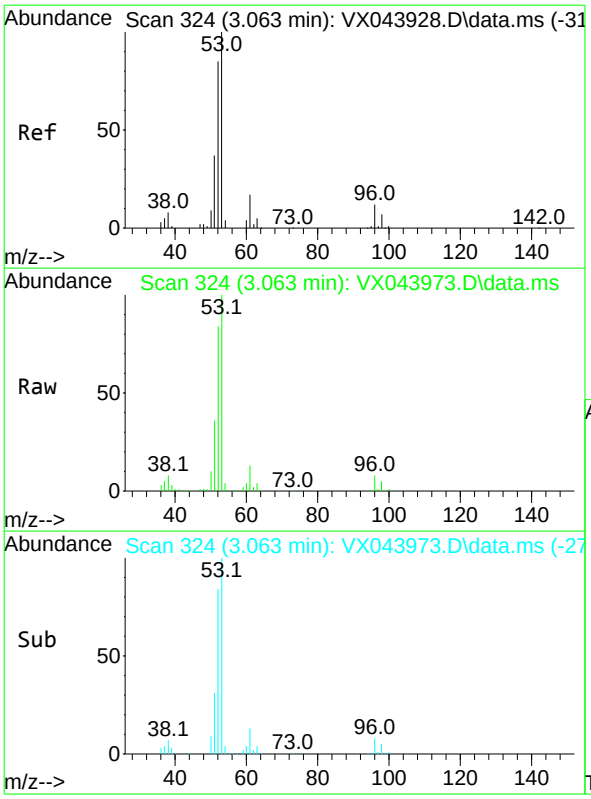



#14
Allyl chloride
Concen: 50.417 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 41 Resp: 106657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.9 | 59.5 | 89.3 |
| 76 | 33.7 | 27.4 | 41.2 |

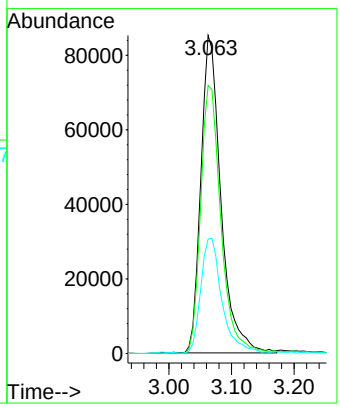





#15
Acrylonitrile
Concen: 251.884 ug/l
RT: 3.063 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 53 Resp: 189866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.6 | 66.5 | 99.7 |
| 51 | 38.1 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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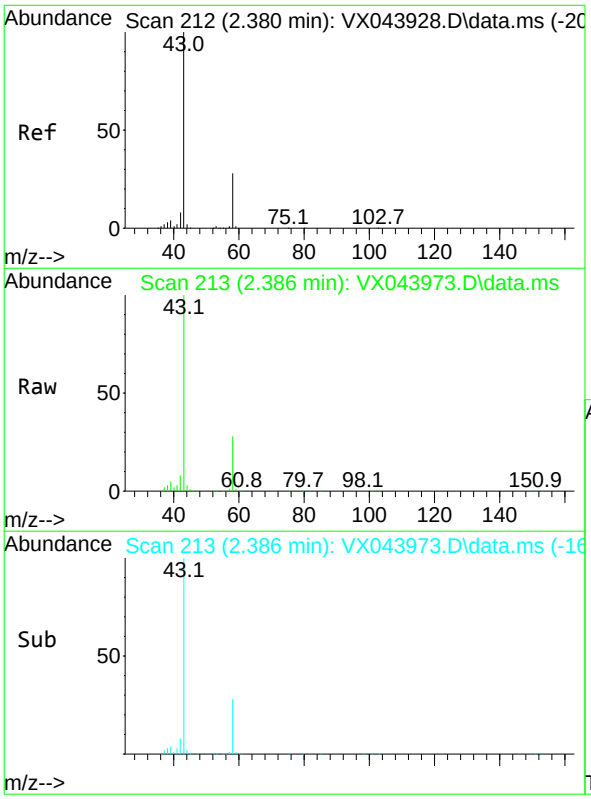
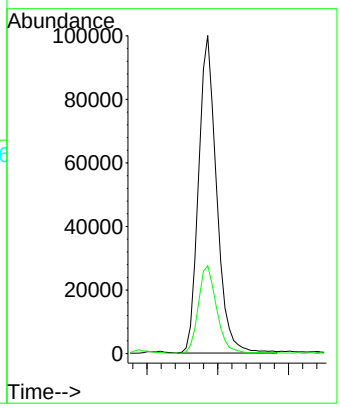
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

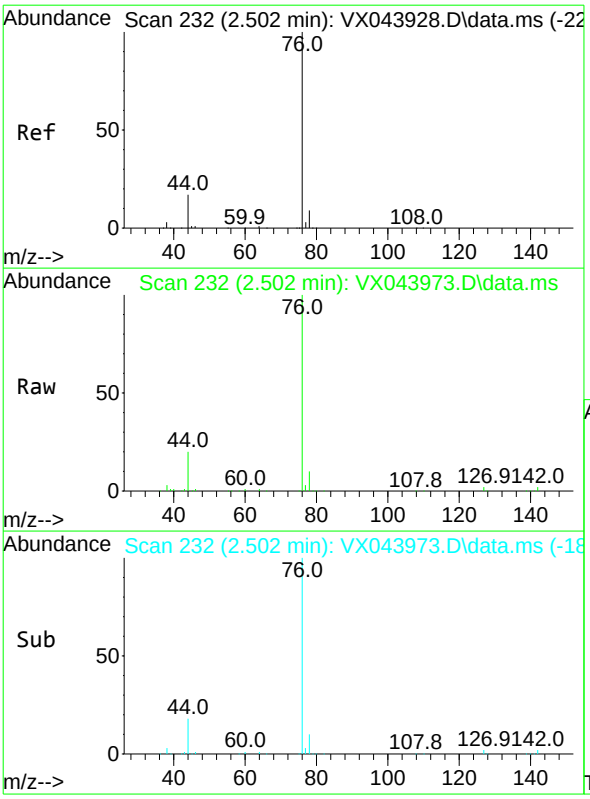



#16
Acetone
Concen: 200.446 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 177415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 22.7 | 34.1 |

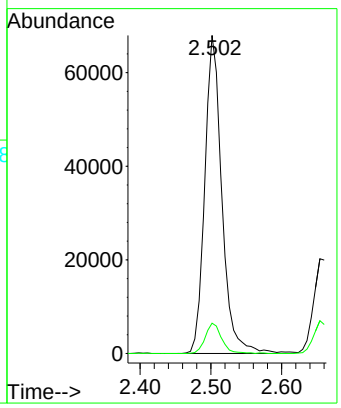





#17
Carbon Disulfide
Concen: 42.748 ug/l
RT: 2.502 min Scan# 23
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 76 Resp: 114161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.0 | 10.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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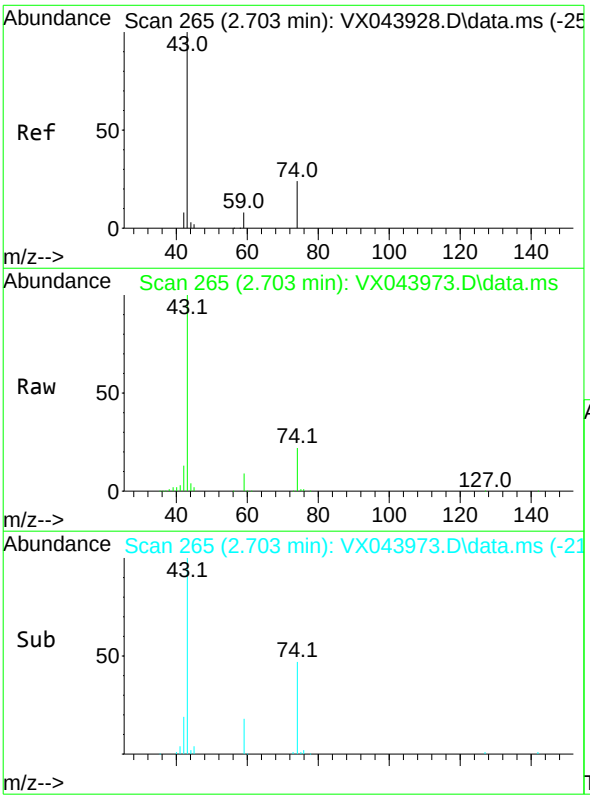
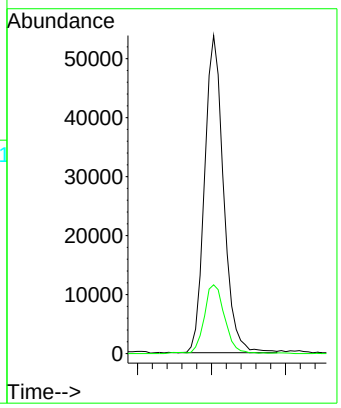
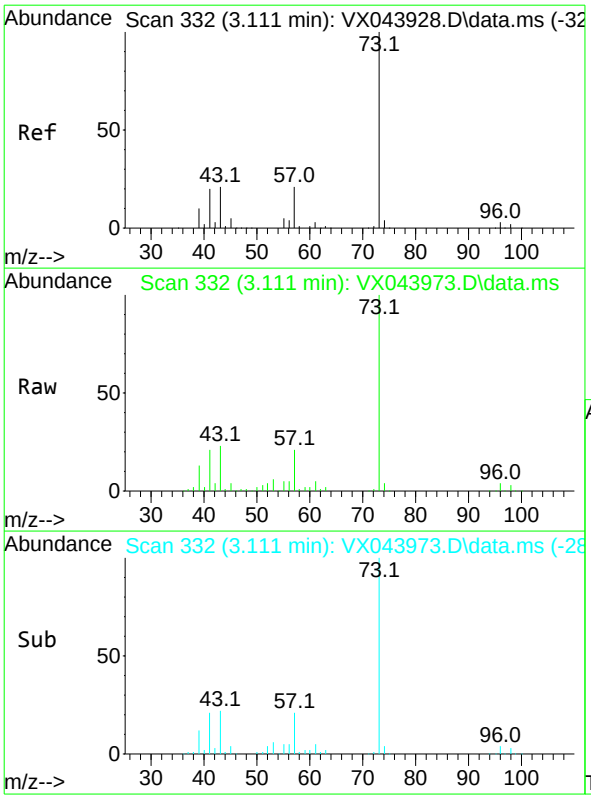



#18
Methyl Acetate
Concen: 46.420 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 95680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 18.9 | 28.3 |

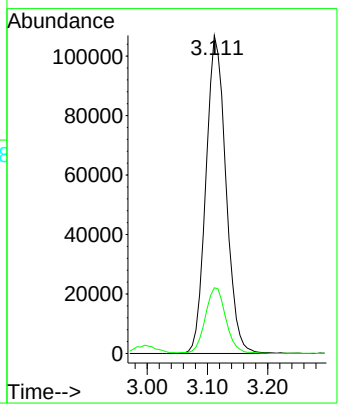





#19
Methyl tert-butyl Ether
Concen: 52.448 ug/l
RT: 3.111 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 73 Resp: 246553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.0 | 25.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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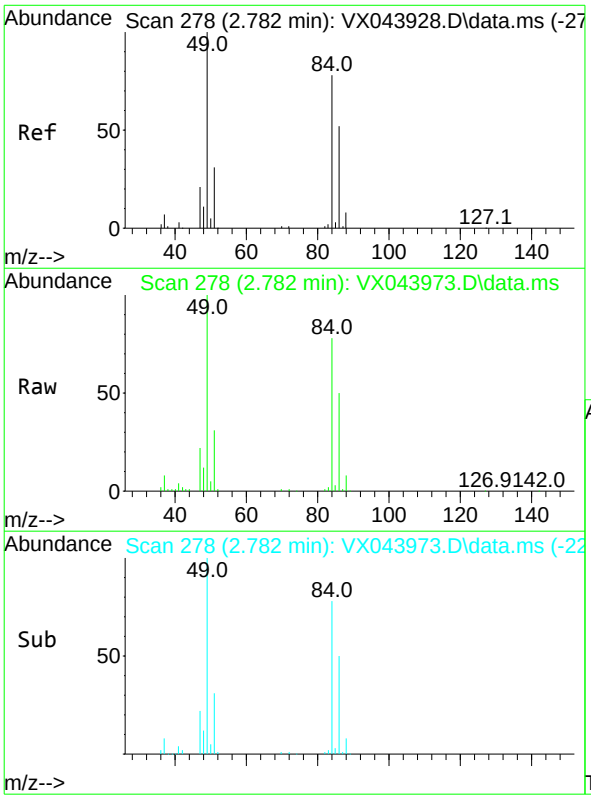
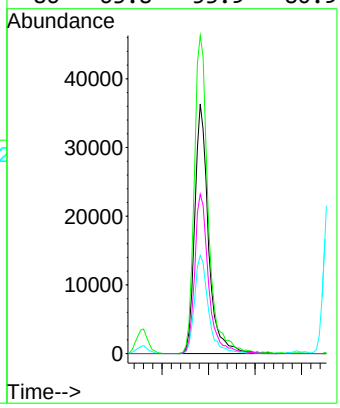
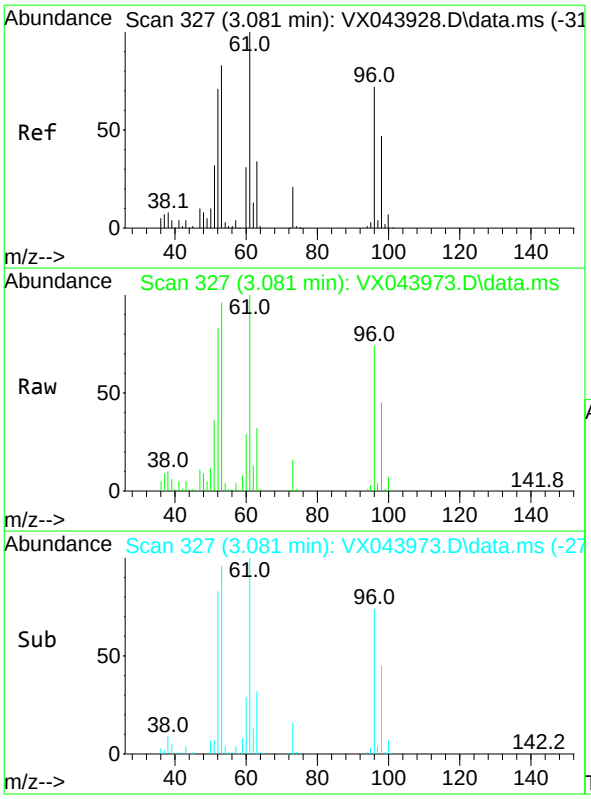



#20
Methylene Chloride
Concen: 49.476 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 84 Resp: 74313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.4 | 102.7 | 154.1 |
| 51 | 39.4 | 31.7 | 47.5 |
| 86 | 63.8 | 53.9 | 80.9 |

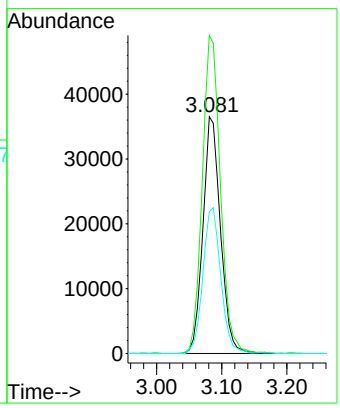





#21
trans-1,2-Dichloroethene
Concen: 51.166 ug/l
RT: 3.081 min Scan# 32
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 96 Resp: 68392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.3 | 111.8 | 167.6 |
| 98 | 59.9 | 52.7 | 79.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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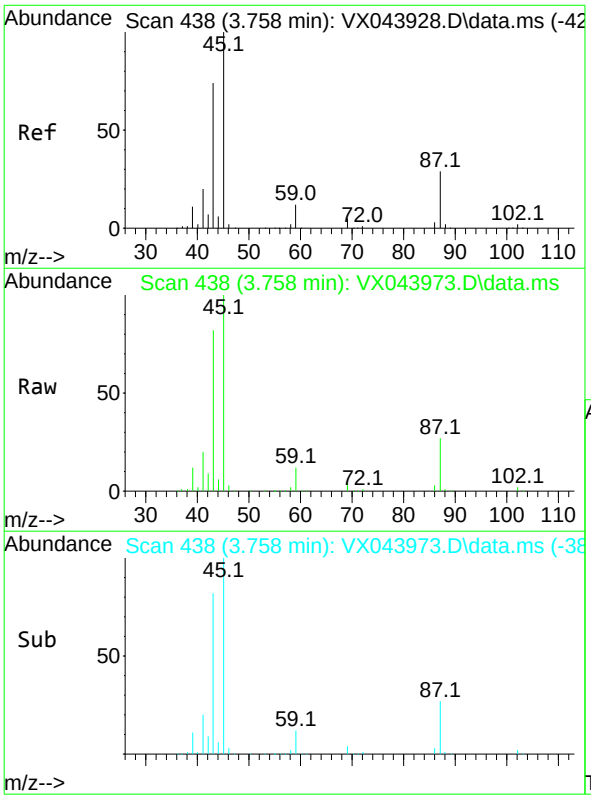
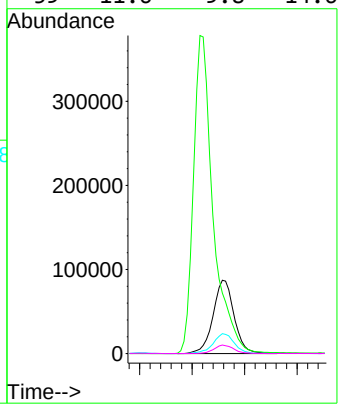
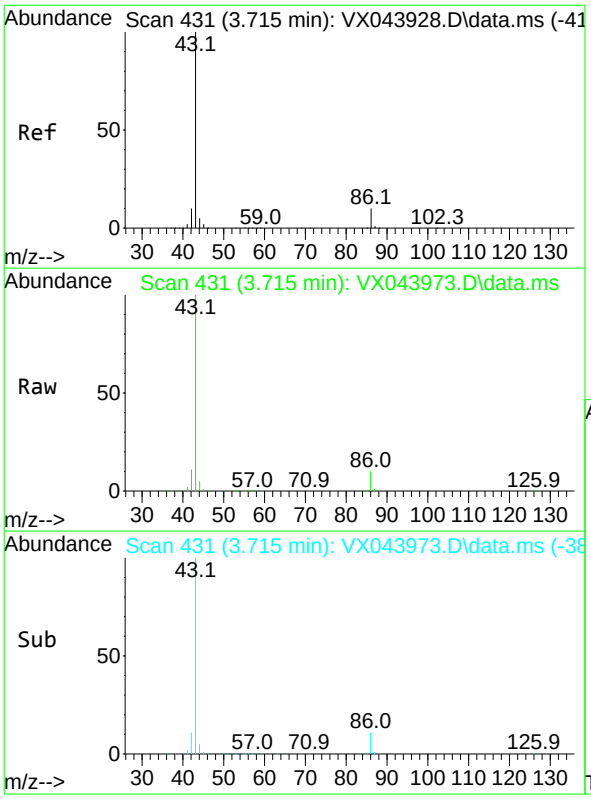



#22
Diisopropyl ether
Concen: 53.570 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 45 Resp: 242328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 81.9 | 59.6 | 89.4 |
| 87 | 27.2 | 22.9 | 34.3 |
| 59 | 11.6 | 9.8 | 14.6 |






#23
Vinyl Acetate
Concen: 255.066 ug/l
RT: 3.715 min Scan# 43
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

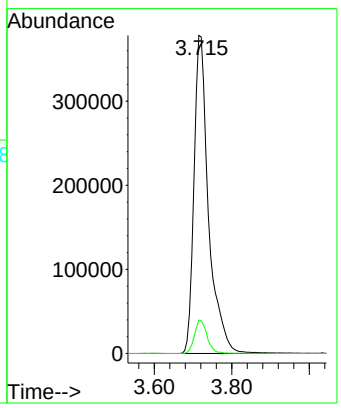
**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

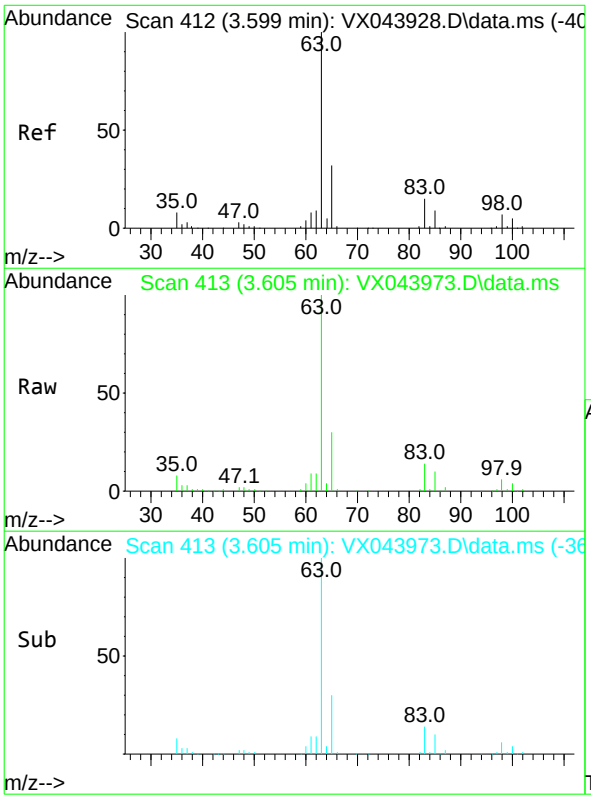
Tgt Ion: 43 Resp: 987013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

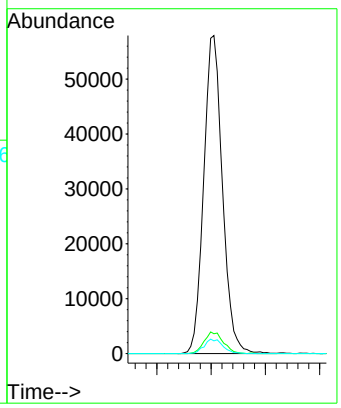


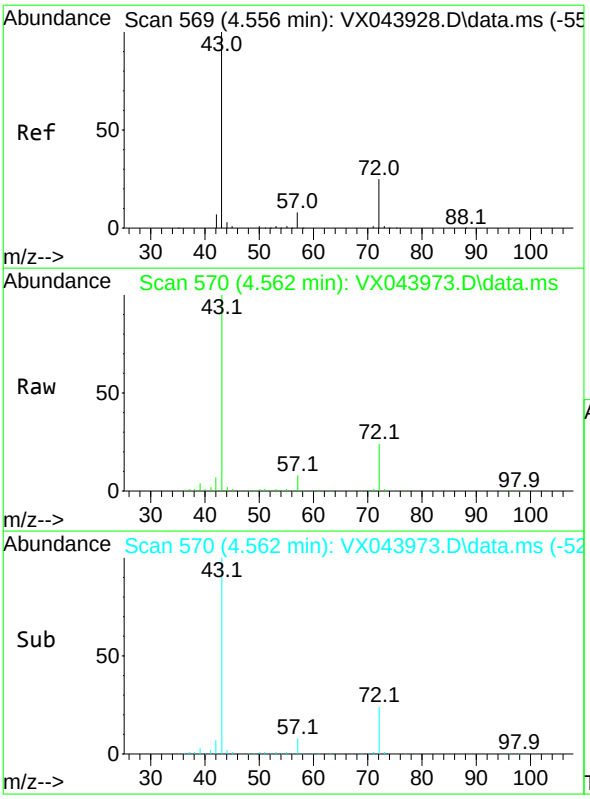




#24
1,1-Dichloroethane
Concen: 53.243 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 63 Resp: 138943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.5 | 10.6 |
| 100 | 4.0 | 2.4 | 7.1 |

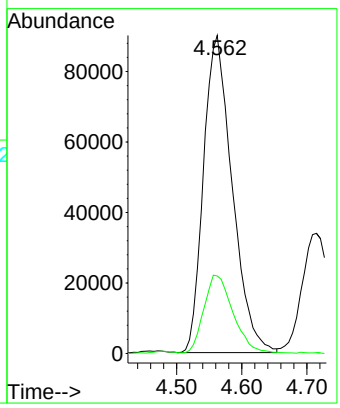





#25
2-Butanone
Concen: 241.489 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 275794

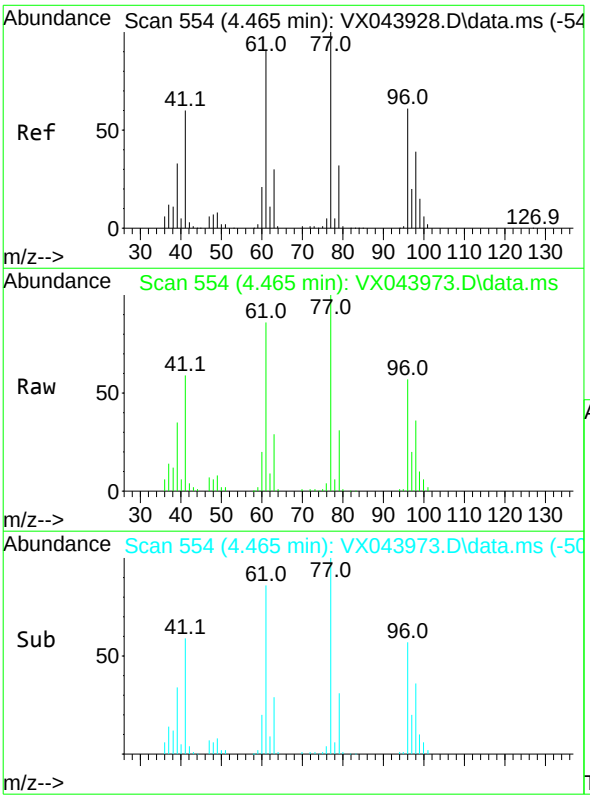
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 20.2 | 30.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

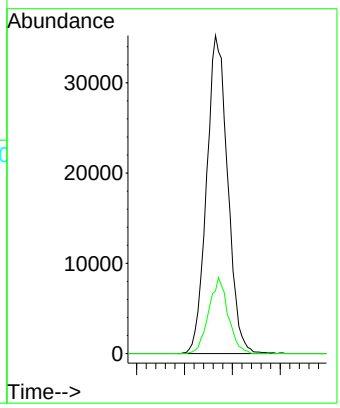
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

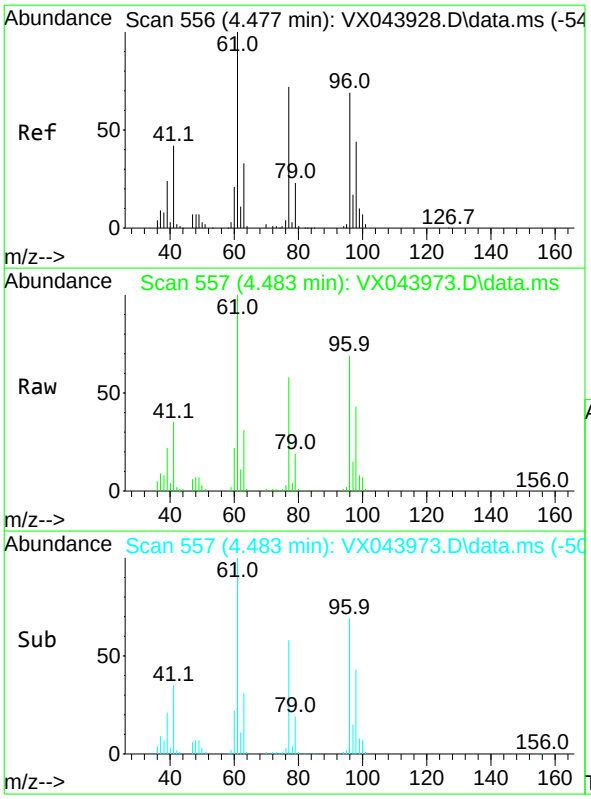



#26
2,2-Dichloropropane
Concen: 45.759 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 77 Resp: 107844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.8 | 32.3 |

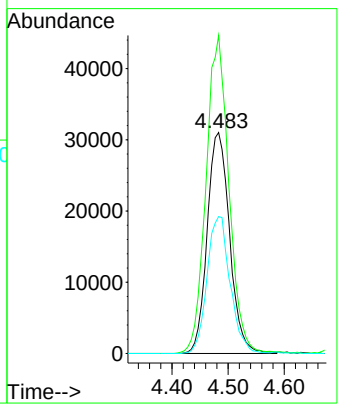





#27
cis-1,2-Dichloroethene
Concen: 52.142 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 96 Resp: 86152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 0.0 | 297.4 |
| 98 | 63.8 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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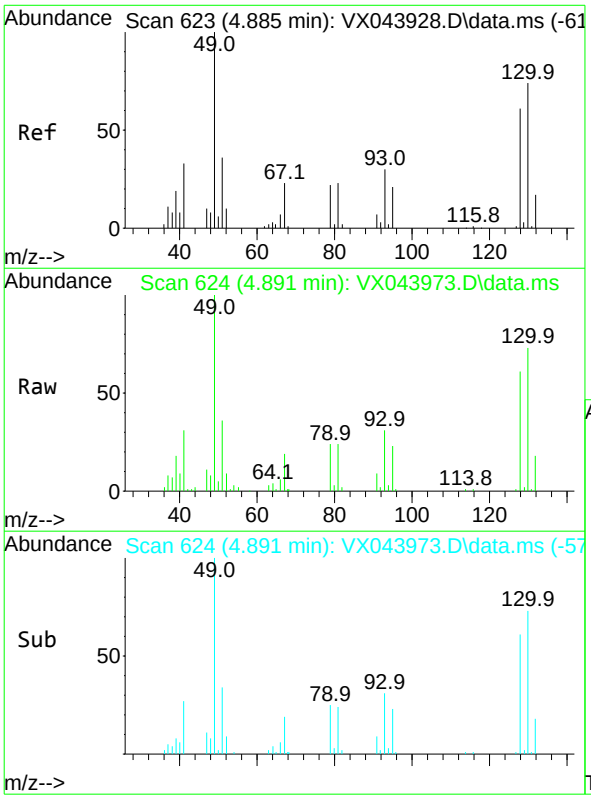
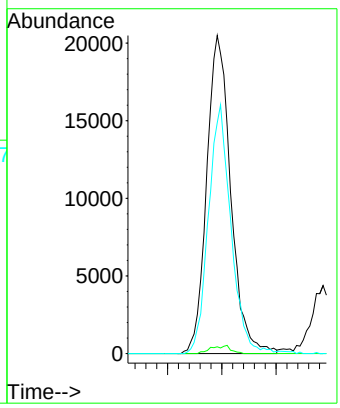
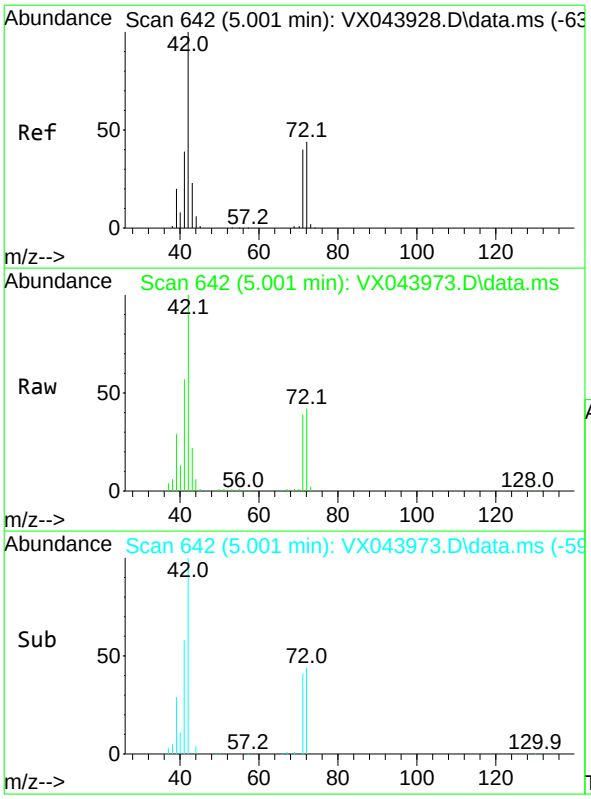



#28
Bromochloromethane
Concen: 54.931 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 49 Resp: 63098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.0 |
| 130 | 73.1 | 59.0 | 88.6 |






#29
Tetrahydrofuran
Concen: 255.678 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 42 Resp: 179014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.9 | 36.4 | 54.6 |
| 71 | 40.8 | 33.4 | 50.0 |

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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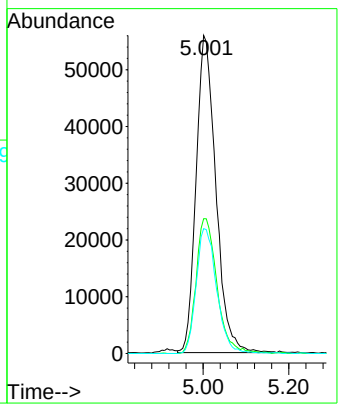
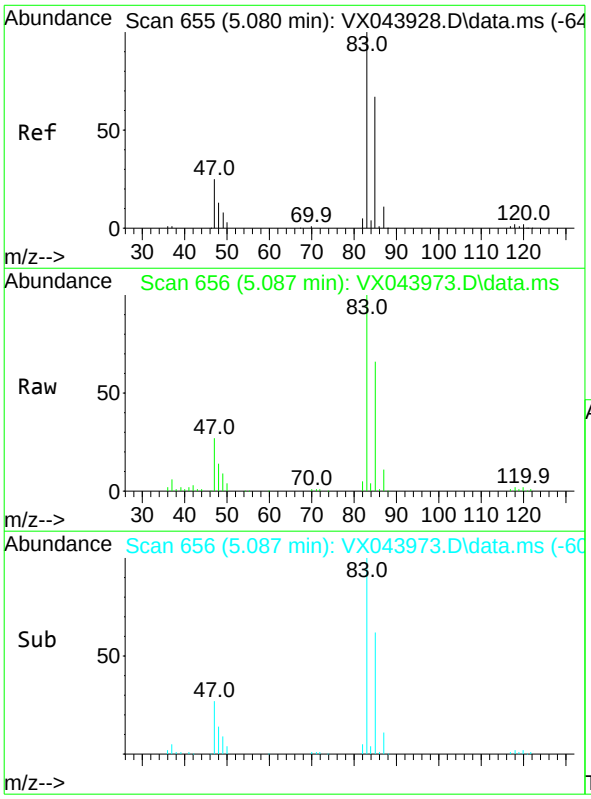
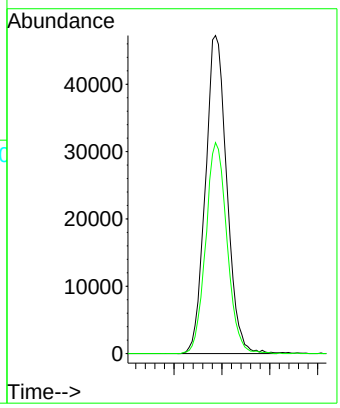


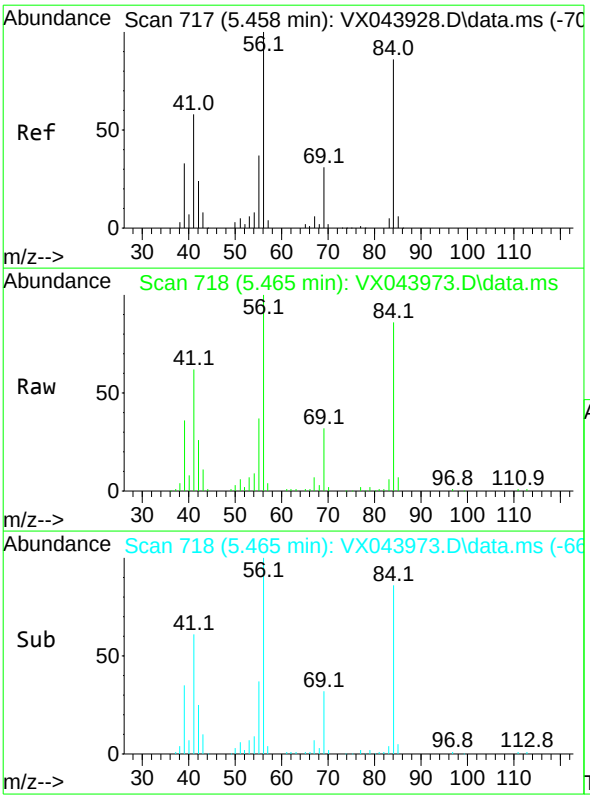




#30
Chloroform
Concen: 52.317 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 146838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 48.766 ug/l
RT: 5.465 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 56 Resp: 104741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.3 | 24.7 | 37.1 |
| 84 | 83.5 | 68.7 | 103.1 |

**Manual Integrations**
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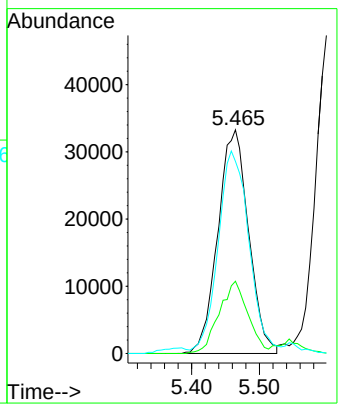
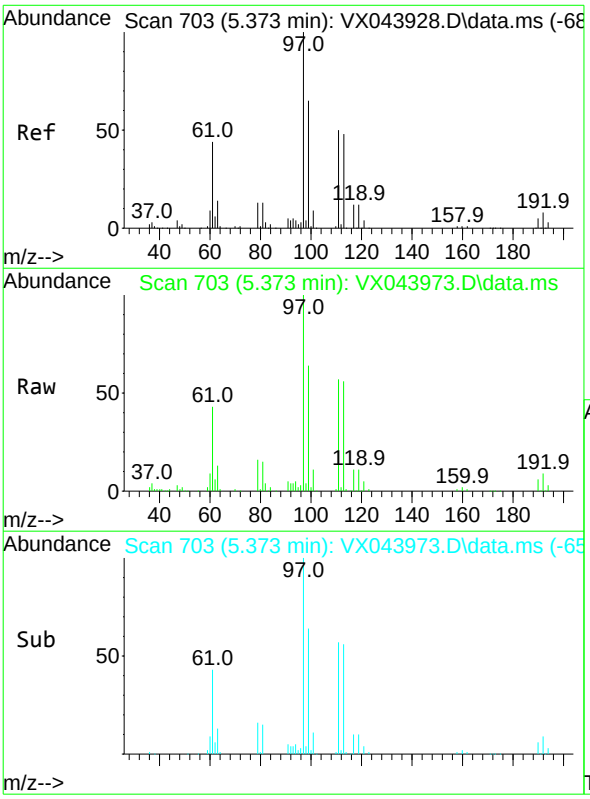
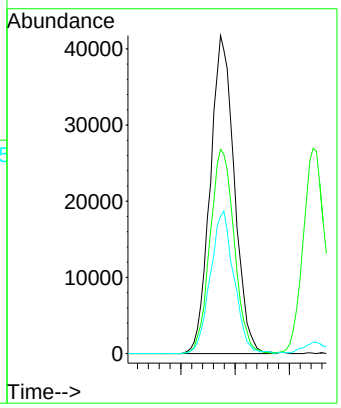


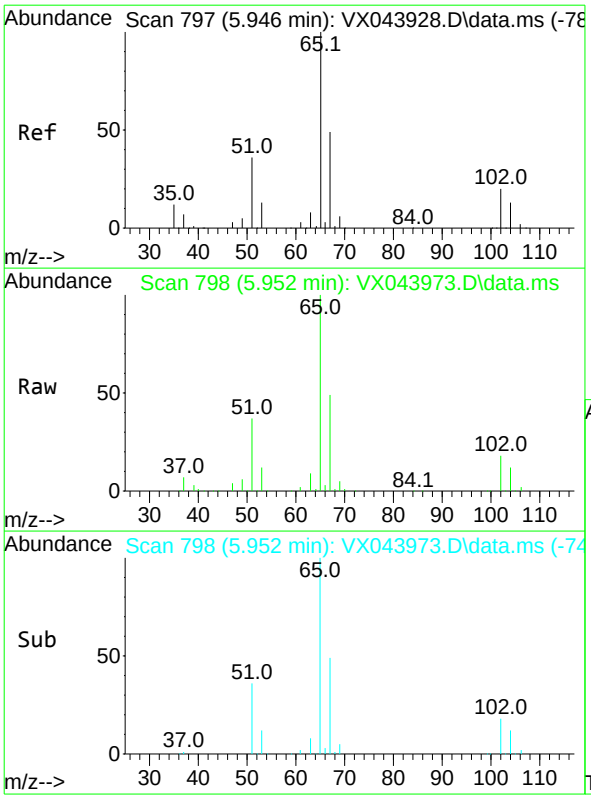




#32
1,1,1-Trichloroethane
Concen: 53.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 97 Resp: 128936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 50.8 | 76.2 |
| 61 | 44.0 | 35.4 | 53.2 |

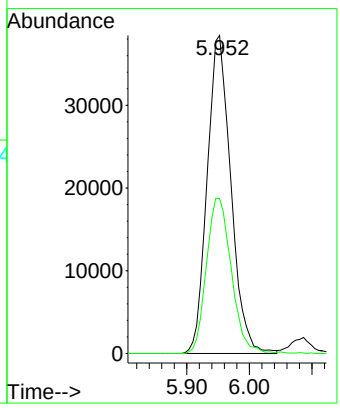





#33
1,2-Dichloroethane-d4
Concen: 52.468 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 65 Resp: 101111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 100.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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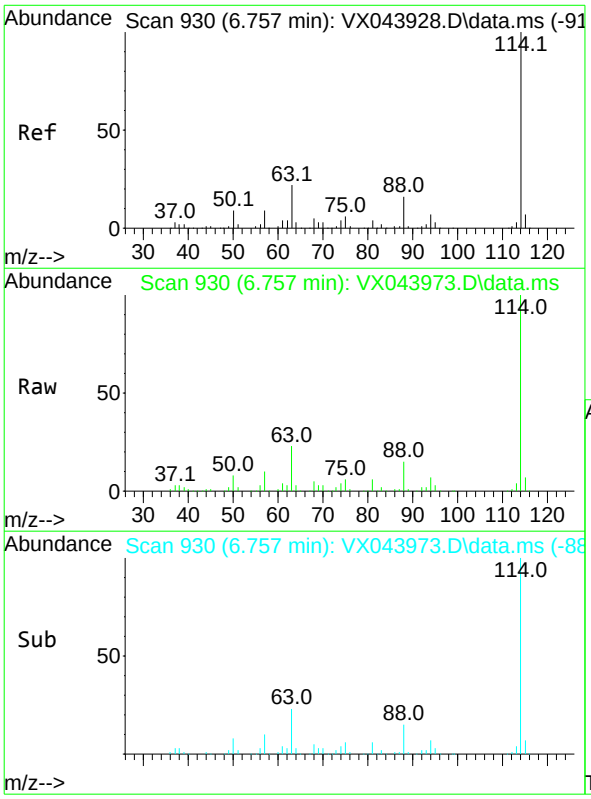
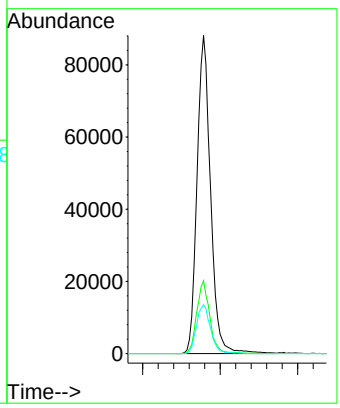
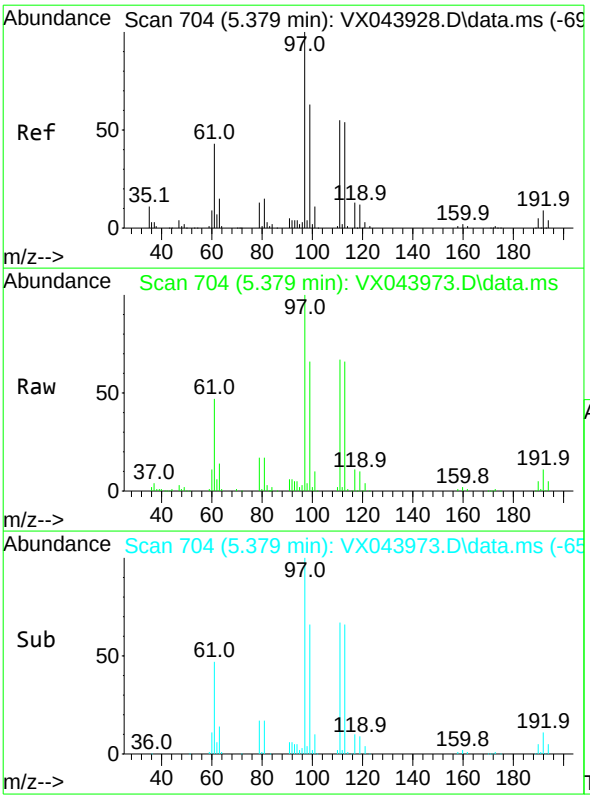



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:114 Resp: 212948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 44.0 |
| 88 | 15.4 | 0.0 | 32.4 |

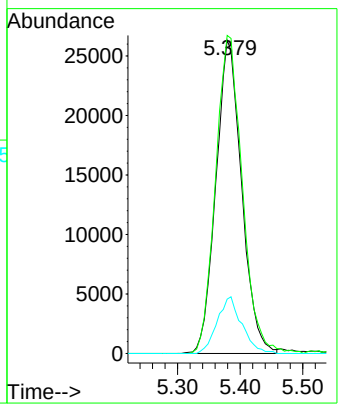





#35
Dibromofluoromethane
Concen: 49.282 ug/l
RT: 5.379 min Scan# 70
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:113 Resp: 74989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.5 | 81.0 | 121.4 |
| 192 | 17.4 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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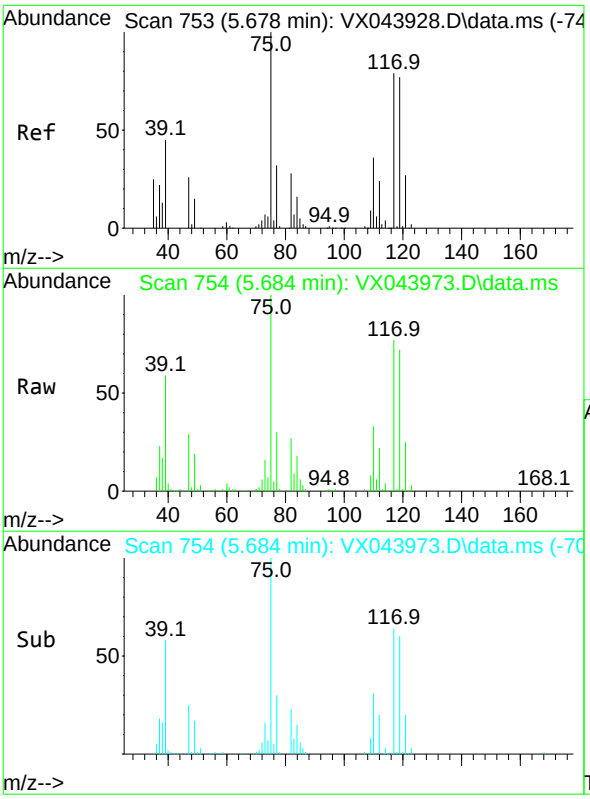
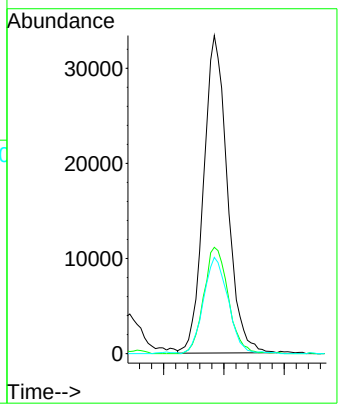
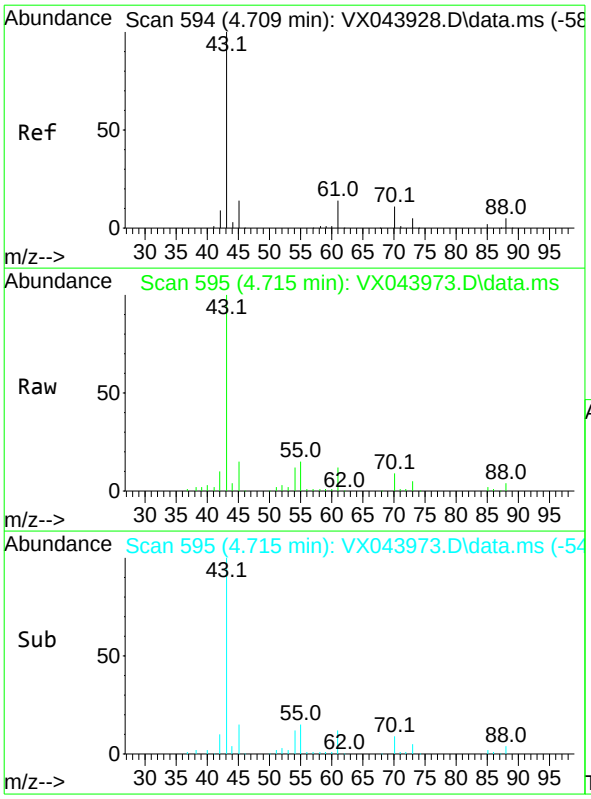



#36
1,1-Dichloropropene
Concen: 48.120 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 91242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.5 | 17.4 | 52.2 |
| 77 | 31.6 | 25.8 | 38.8 |






#37
Ethyl Acetate
Concen: 45.029 ug/l
RT: 4.715 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 105985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.7 | 16.1 |
| 70 | 9.2 | 8.0 | 12.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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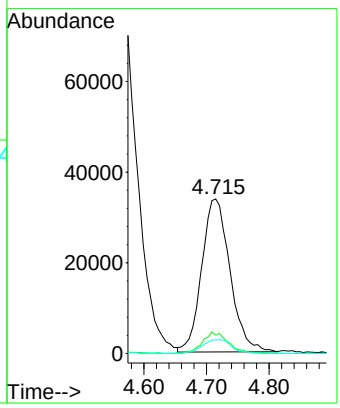
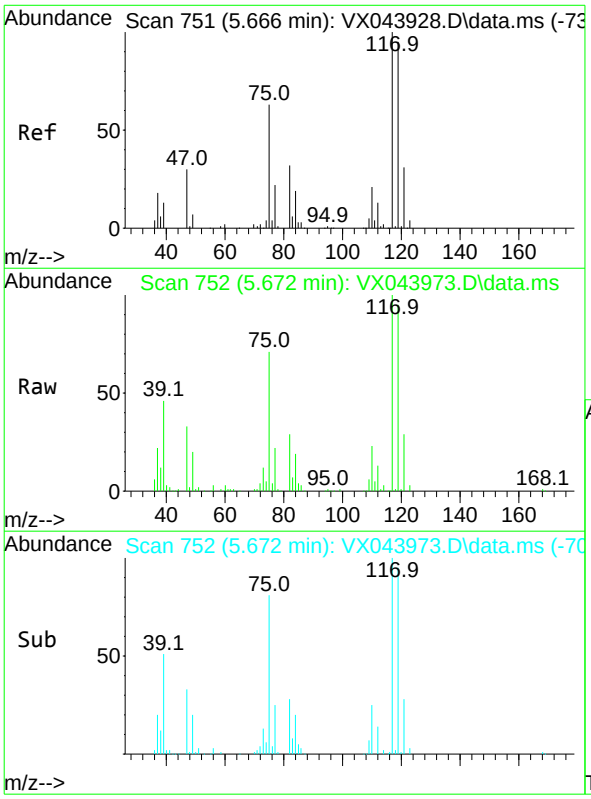
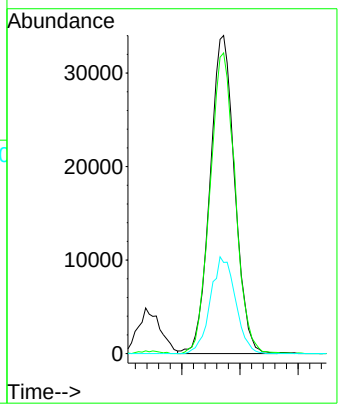


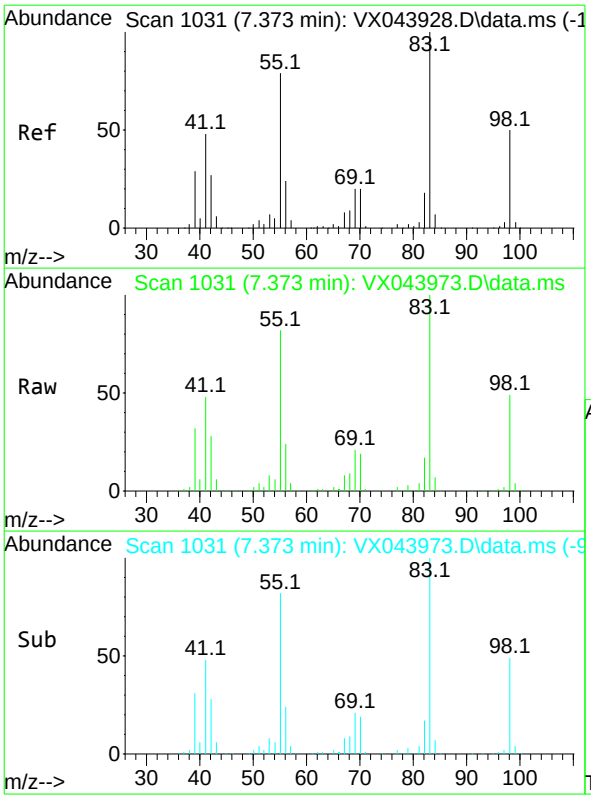




#38
Carbon Tetrachloride
Concen: 47.024 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:117 Resp: 100188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.2 | 112.8 |
| 121 | 28.7 | 24.5 | 36.7 |

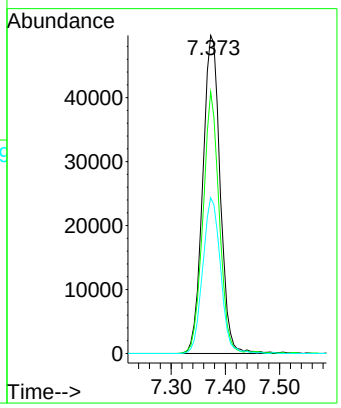





#39
Methylcyclohexane
Concen: 45.182 ug/l
RT: 7.373 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 111296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.3 | 63.1 | 94.7 |
| 98 | 49.0 | 40.0 | 60.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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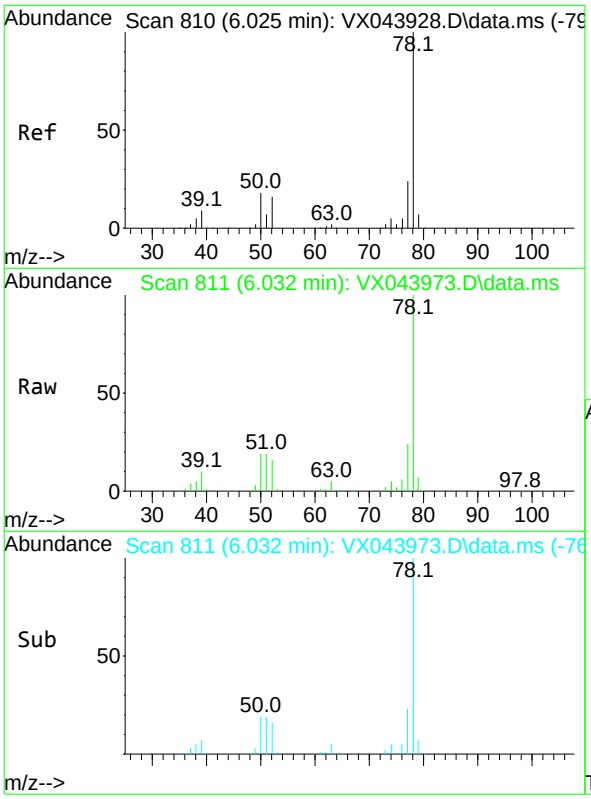
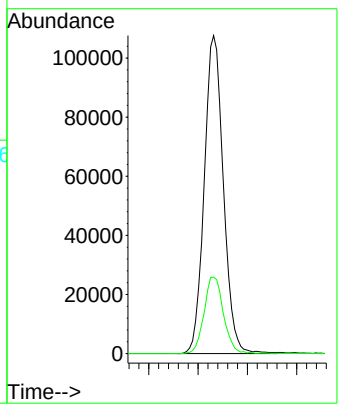
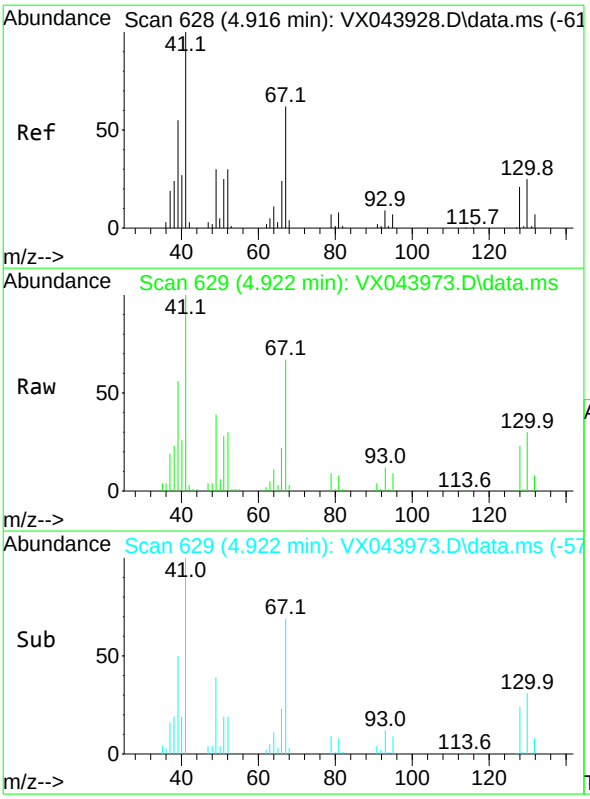



#40
Benzene
Concen: 49.068 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 78 Resp: 289813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.2 | 28.8 |

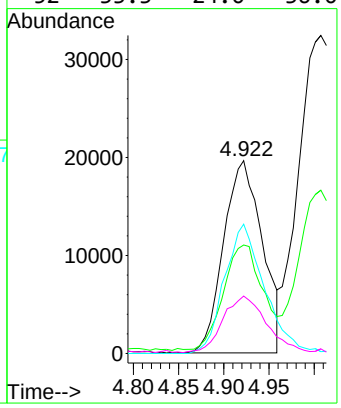





#41
Methacrylonitrile
Concen: 48.571 ug/l
RT: 4.922 min Scan# 62
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 41 Resp: 58512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 41.7 | 62.5 |
| 67 | 70.1 | 55.8 | 83.8 |
| 52 | 33.3 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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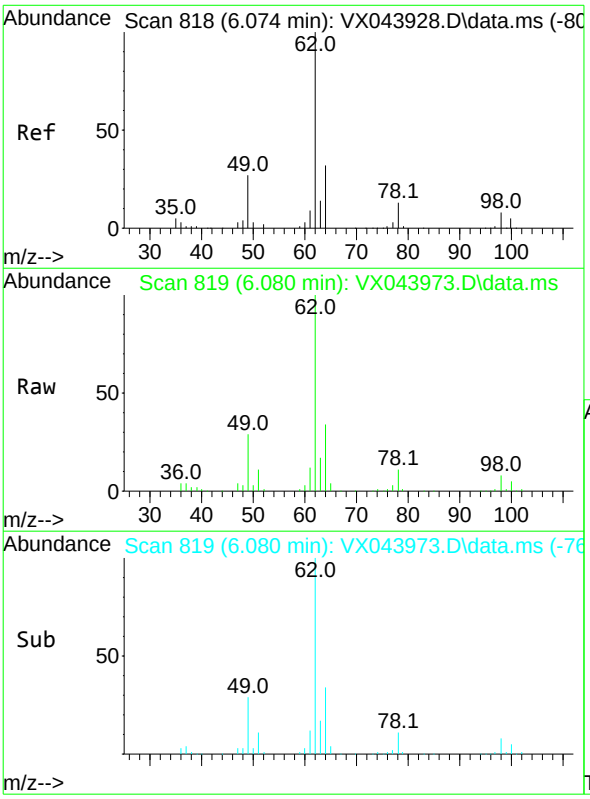
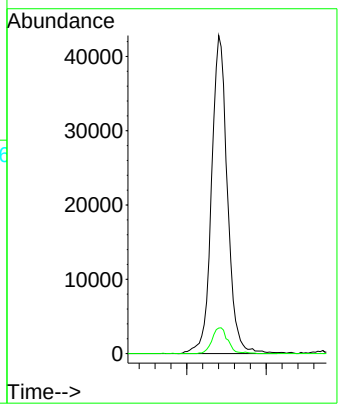
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

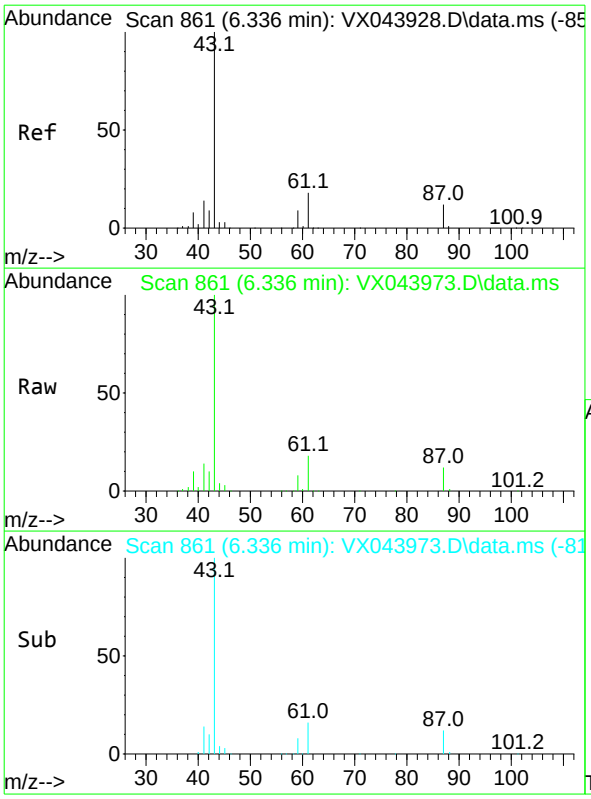



#42
1,2-Dichloroethane
Concen: 50.149 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 62 Resp: 118959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 16.4 |

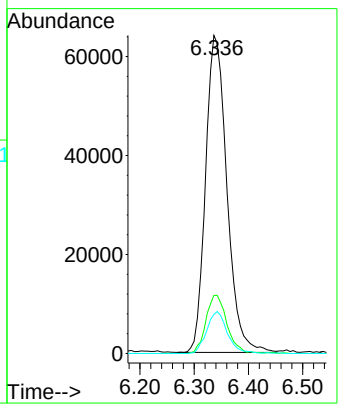





#43
Isopropyl Acetate
Concen: 46.841 ug/l
RT: 6.336 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 175457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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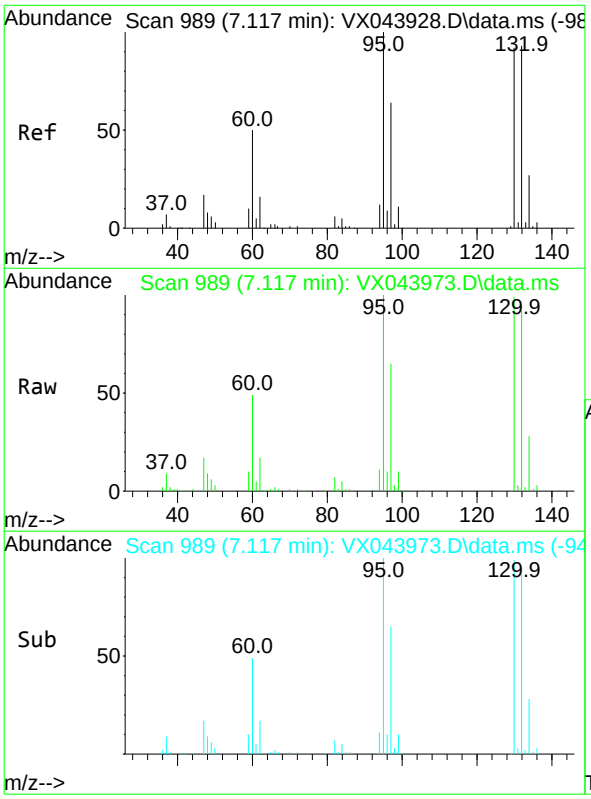
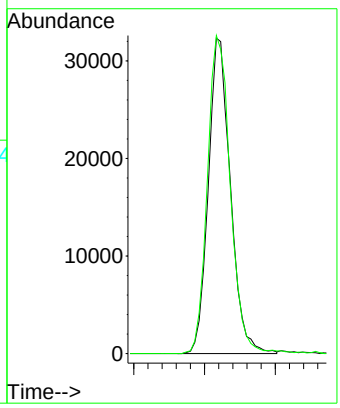
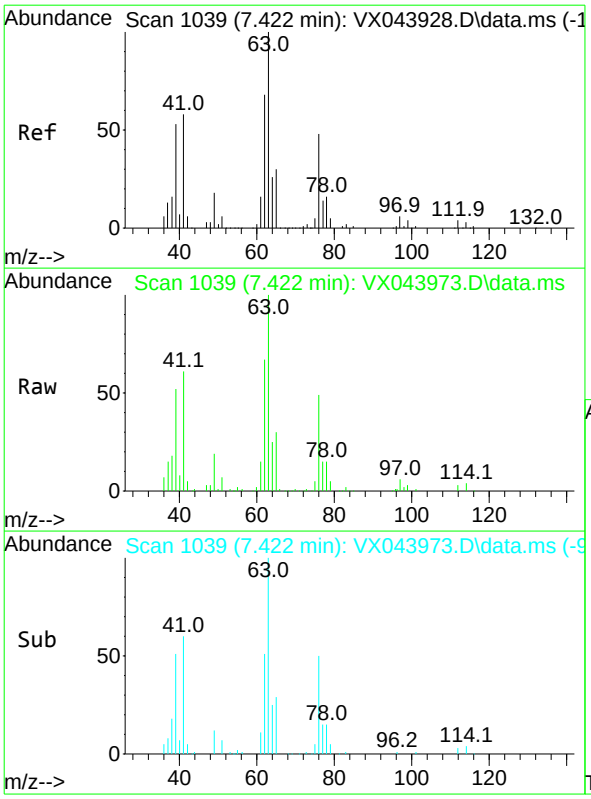



#44
Trichloroethene
Concen: 41.898 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:130 Resp: 70053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 217.8 |

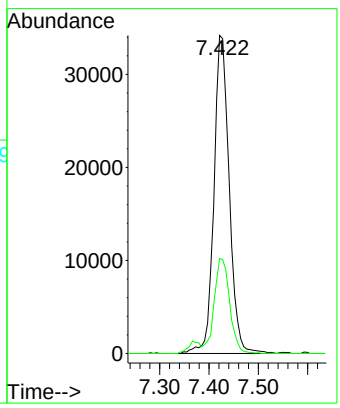





#45
1,2-Dichloropropane
Concen: 50.964 ug/l
RT: 7.422 min Scan# 10
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 63 Resp: 73724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 23.8 | 35.6 |




**Instrument :**
MSVOA_X
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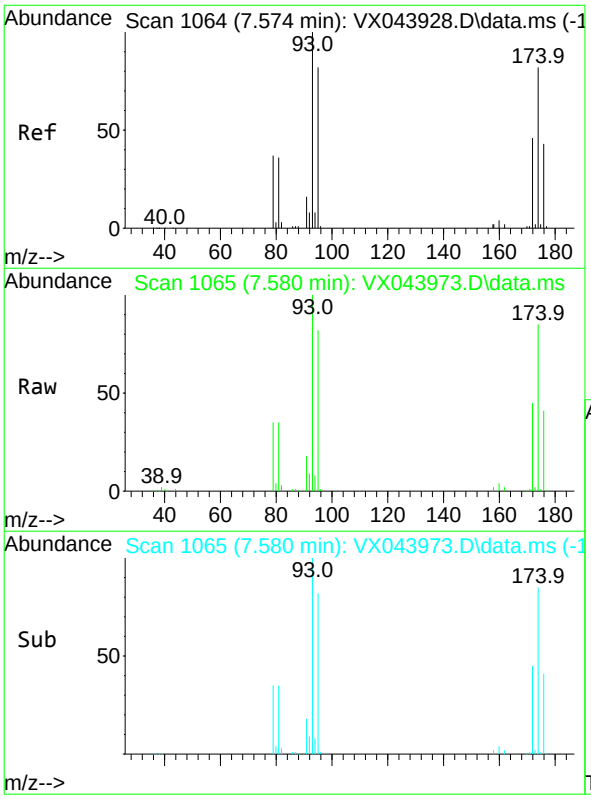
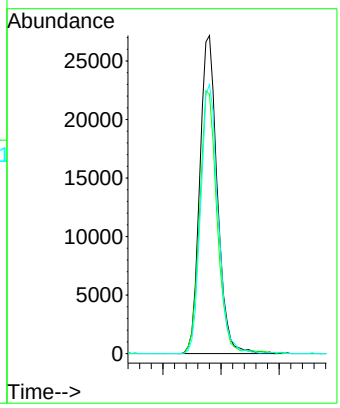
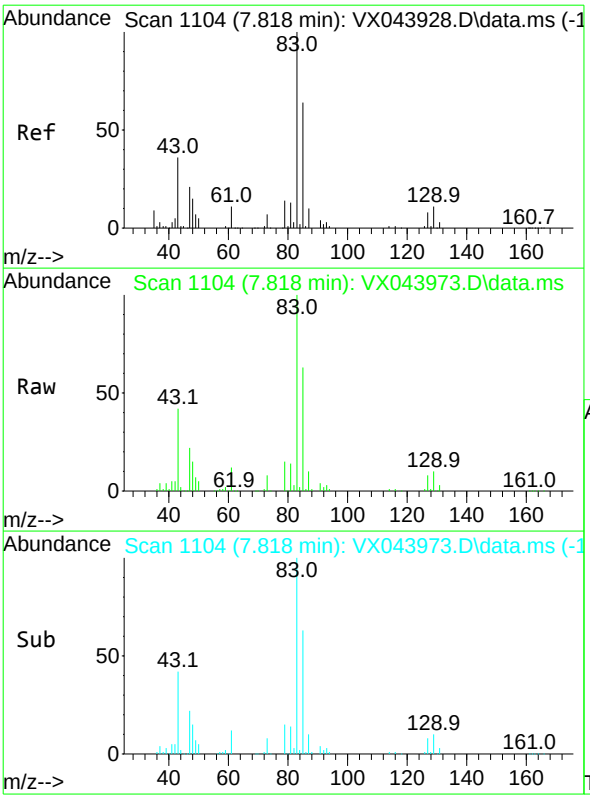



#46
Dibromomethane
Concen: 49.665 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 93 Resp: 56832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 66.2 | 99.4 |
| 174 | 83.9 | 69.6 | 104.4 |

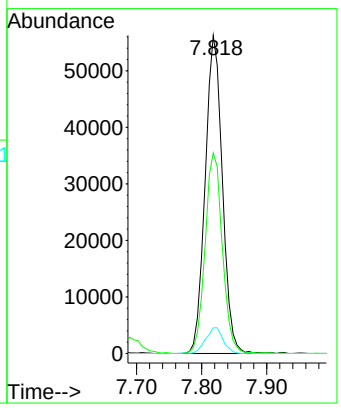





#47
Bromodichloromethane
Concen: 50.231 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 103090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 51.4 | 77.0 |
| 127 | 8.1 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

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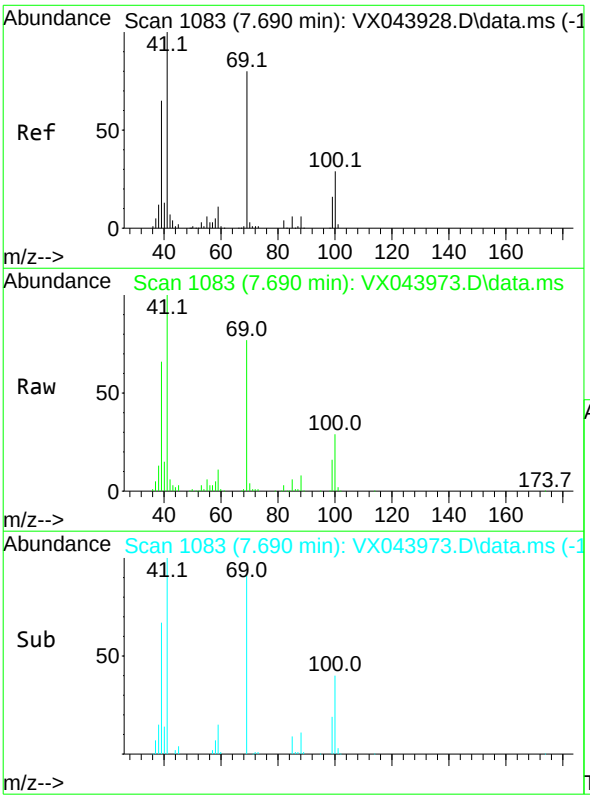
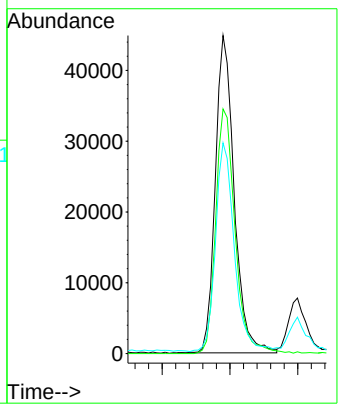
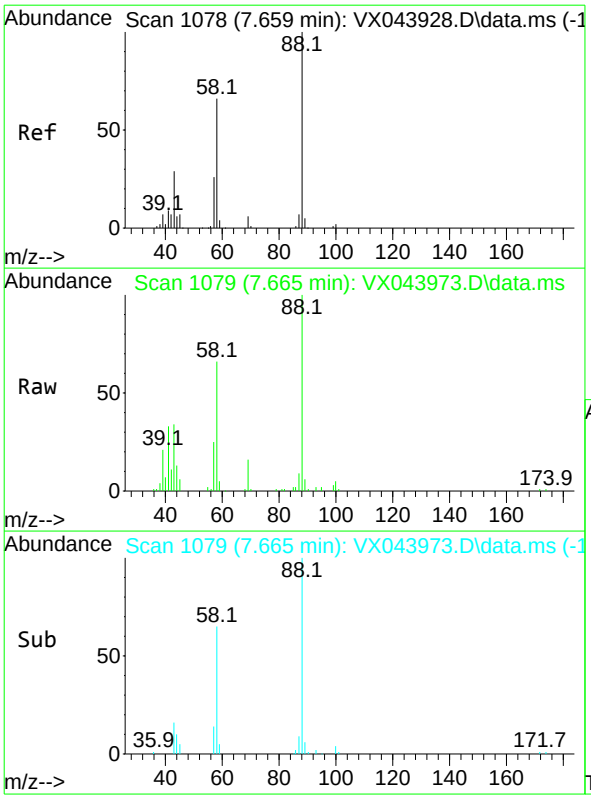



#48
Methyl methacrylate
Concen: 48.268 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 41 Resp: 86756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.3 | 64.6 | 97.0 |
| 39 | 65.2 | 53.3 | 79.9 |

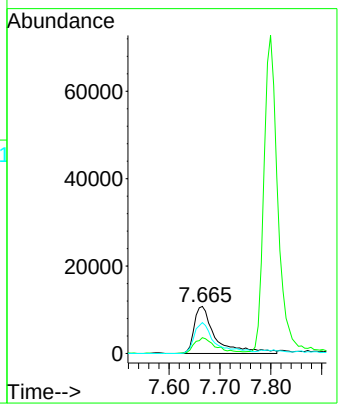





#49
1,4-Dioxane
Concen: 989.637 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 88 Resp: 31685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.1 | 26.8 | 40.2 |
| 58 | 63.0 | 45.4 | 68.2 |

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MSVOA_X
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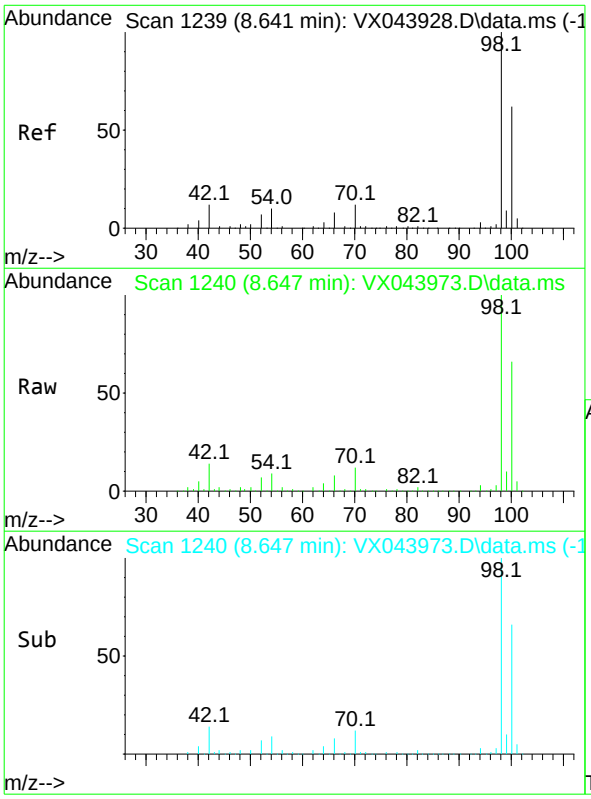
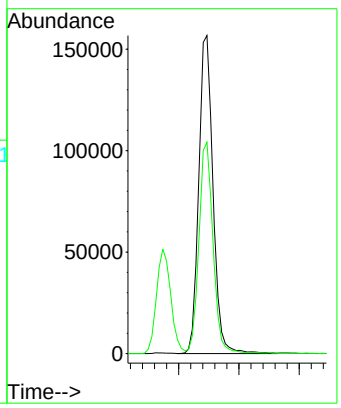
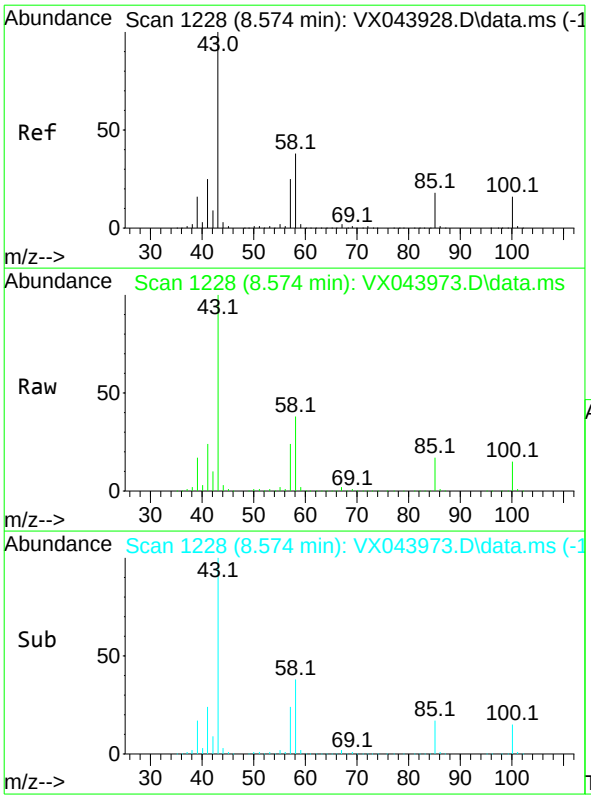



#50
Toluene-d8
Concen: 49.151 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 98 Resp: 257806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.6 | 79.0 |

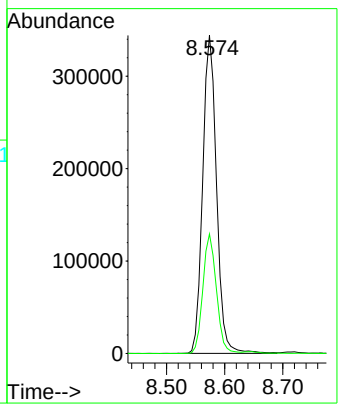





#51
4-Methyl-2-Pentanone
Concen: 248.756 ug/l
RT: 8.574 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 568625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
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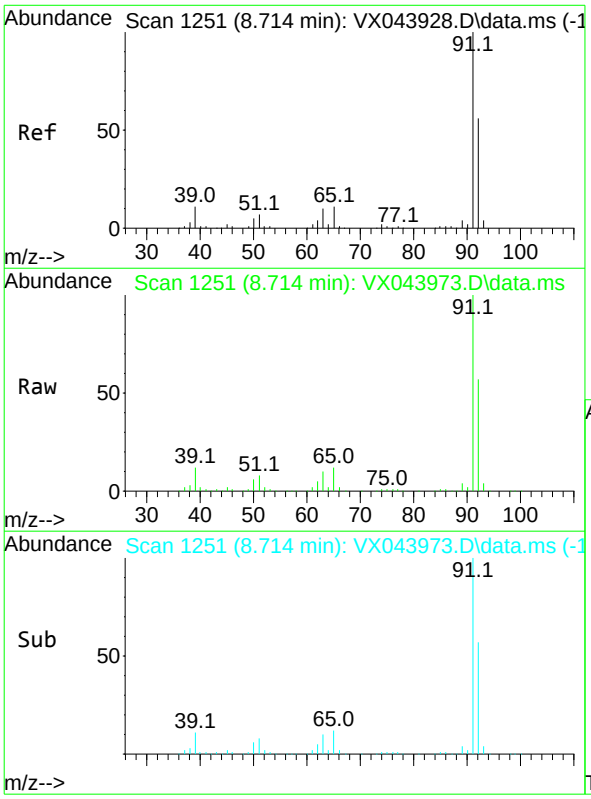
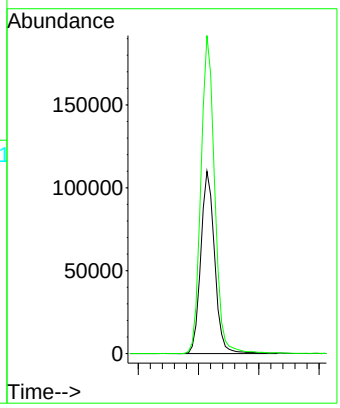
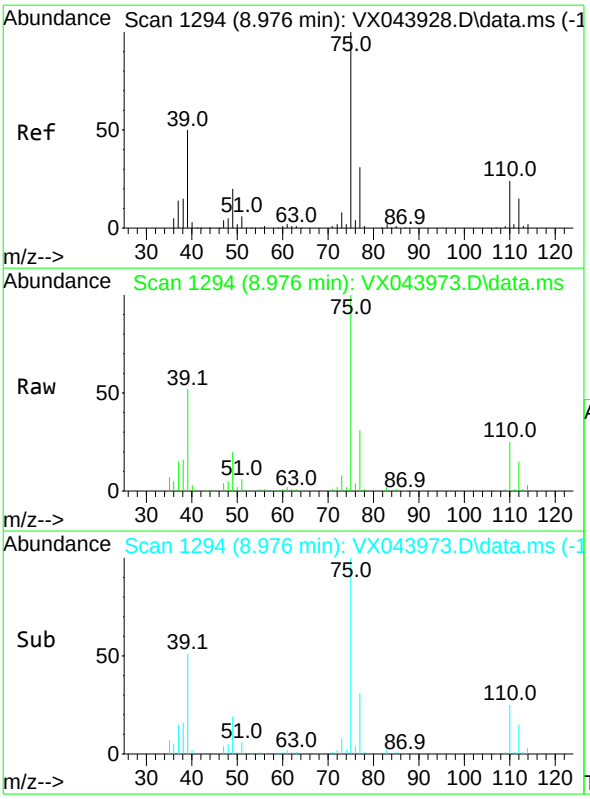



#52
Toluene
Concen: 49.553 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 92 Resp: 175174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 139.7 | 209.5 |

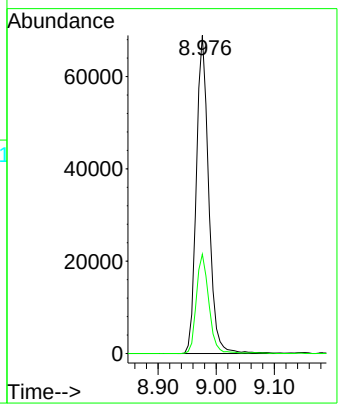





#53
t-1,3-Dichloropropene
Concen: 48.637 ug/l
RT: 8.976 min Scan# 12
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 101789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

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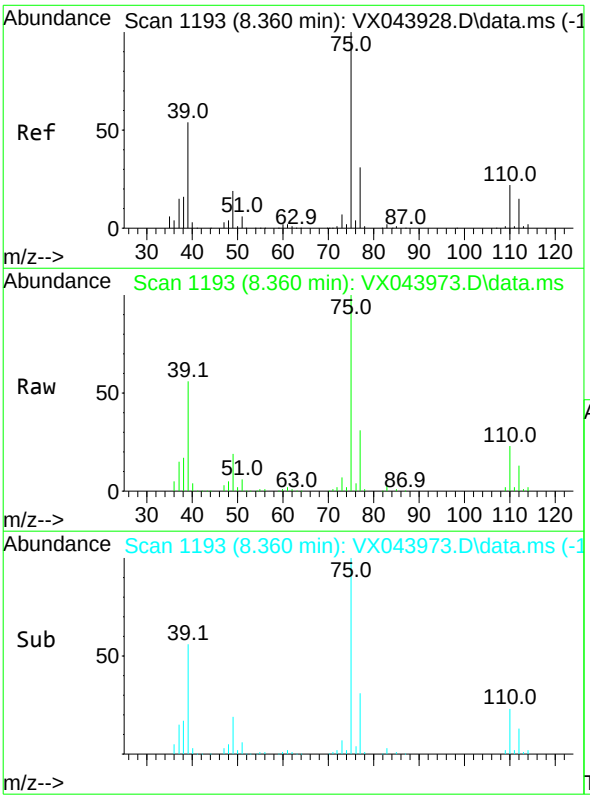
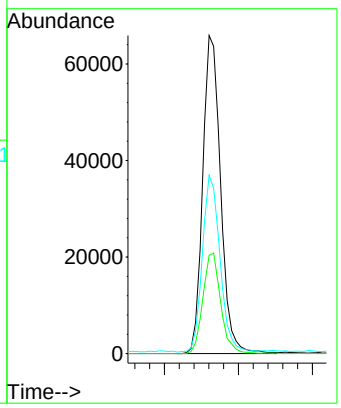
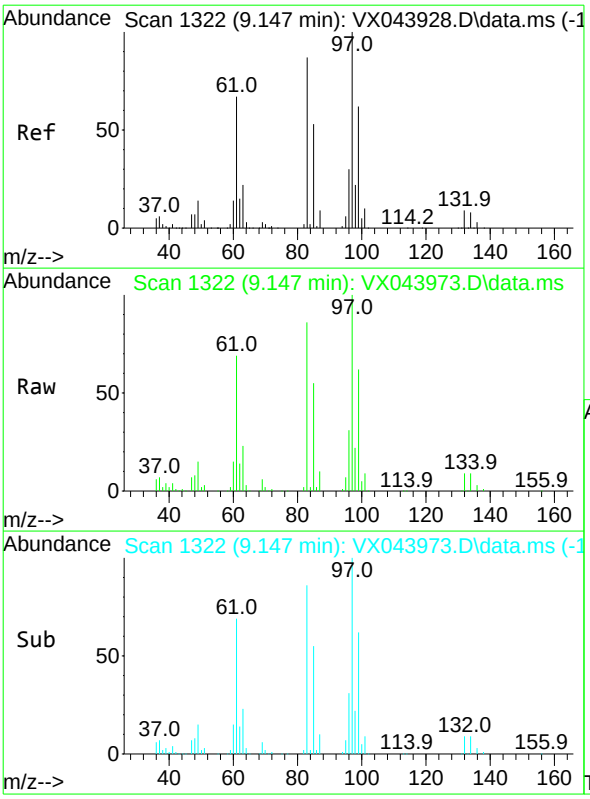



#54
cis-1,3-Dichloropropene
Concen: 48.251 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 110702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 55.6 | 43.1 | 64.7 |

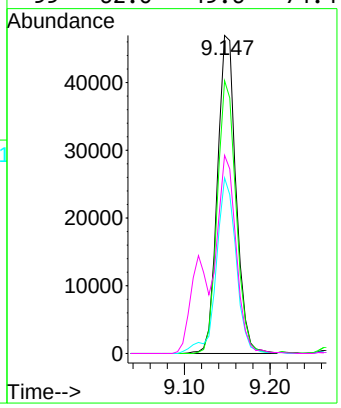





#55
1,1,2-Trichloroethane
Concen: 48.582 ug/l
RT: 9.147 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 97 Resp: 70895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 69.4 | 104.0 |
| 85 | 55.2 | 42.3 | 63.5 |
| 99 | 62.0 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

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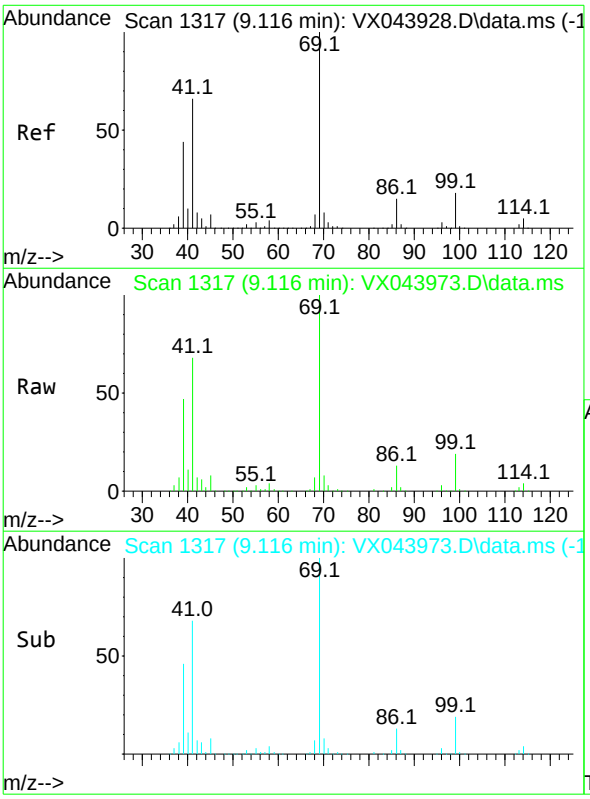
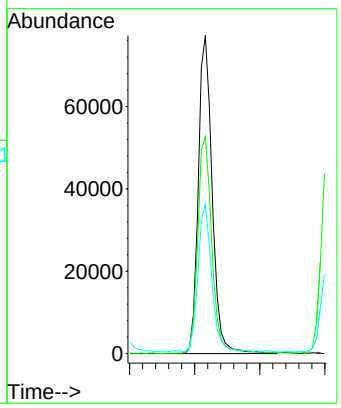
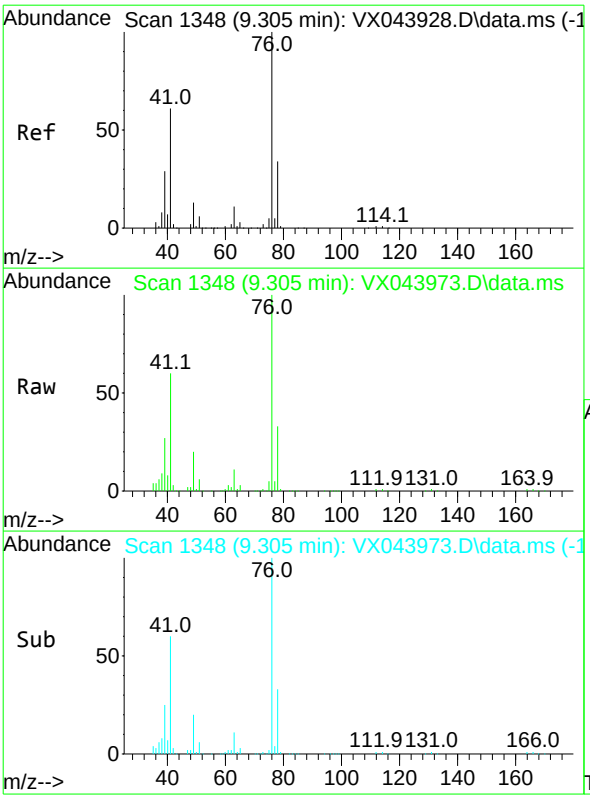



#56
Ethyl methacrylate
Concen: 50.201 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 69 Resp: 114105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.2 | 55.8 | 83.8 |
| 39 | 46.4 | 36.7 | 55.1 |

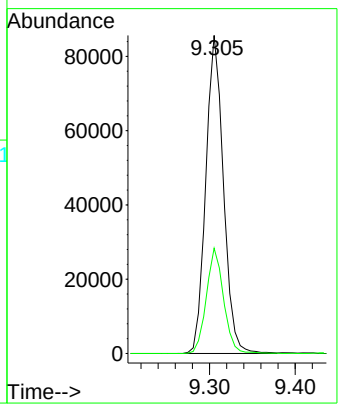





#57
1,3-Dichloropropane
Concen: 49.804 ug/l
RT: 9.305 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 76 Resp: 122428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

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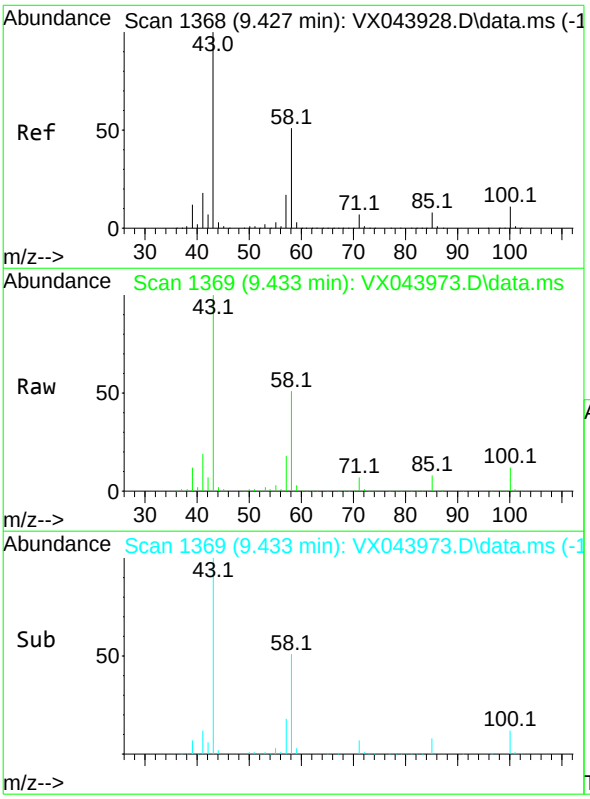
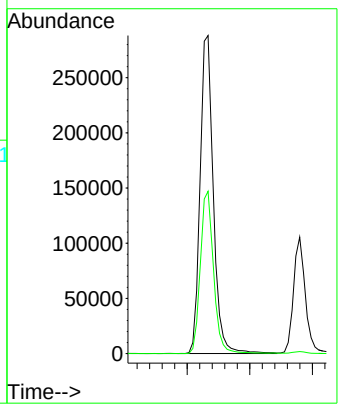
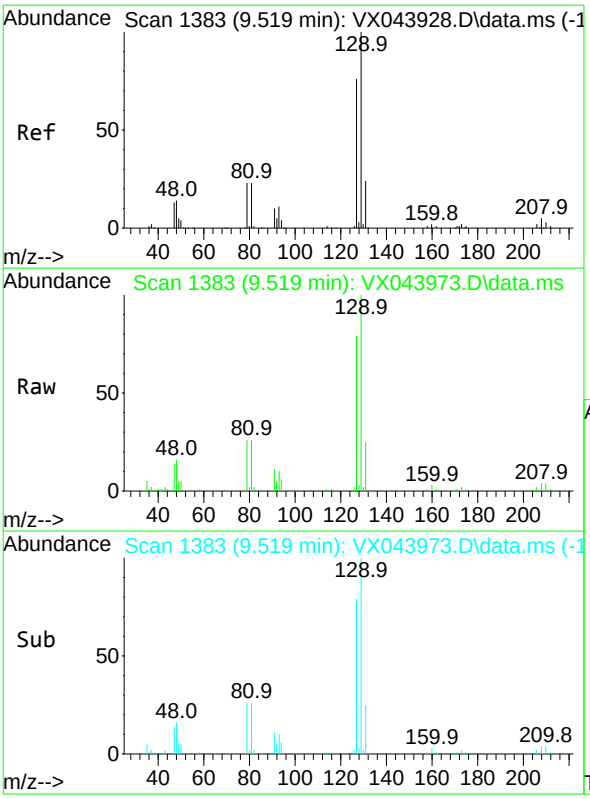



#59
2-Hexanone
Concen: 246.123 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 422869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.0 | 25.9 | 77.6 |

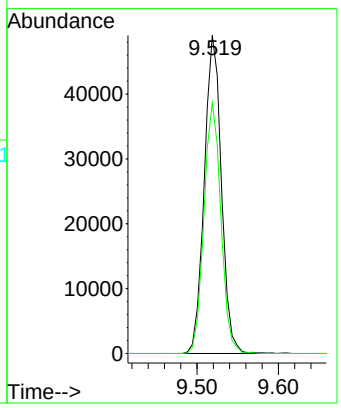





#60
Dibromochloromethane
Concen: 48.720 ug/l
RT: 9.519 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:129 Resp: 71333

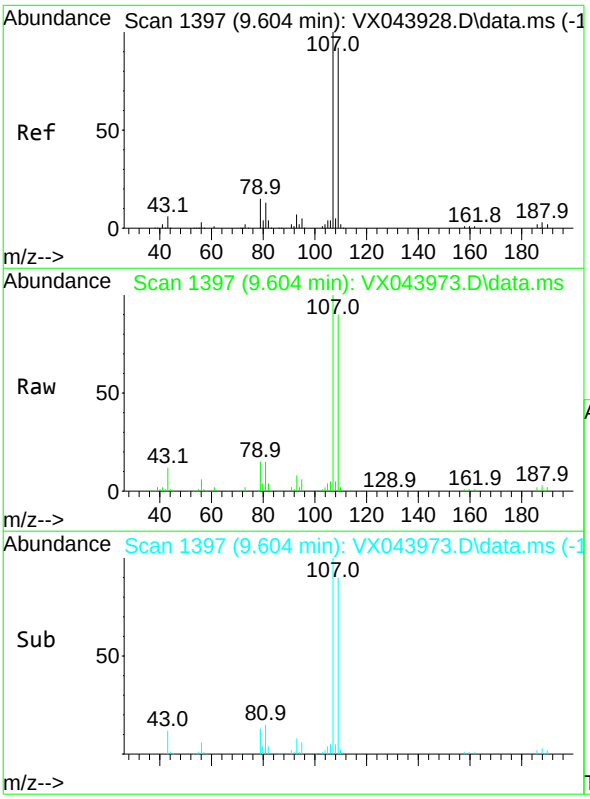
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 38.2 | 114.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

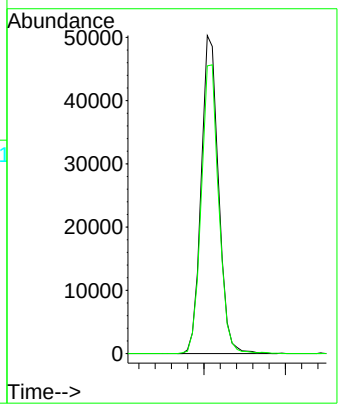
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

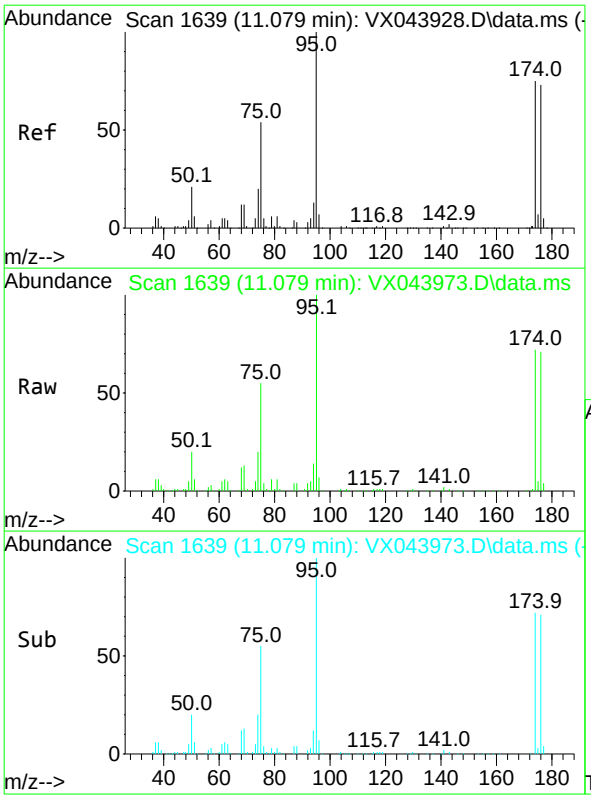



#61
1,2-Dibromoethane
Concen: 50.254 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:107 Resp: 74152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 75.2 | 112.8 |

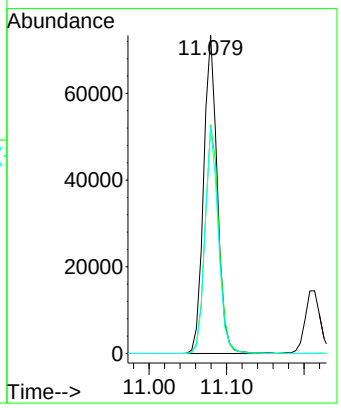





#62
4-Bromofluorobenzene
Concen: 50.460 ug/l
RT: 11.079 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 95 Resp: 90075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.6 | 0.0 | 150.4 |
| 176 | 69.1 | 0.0 | 146.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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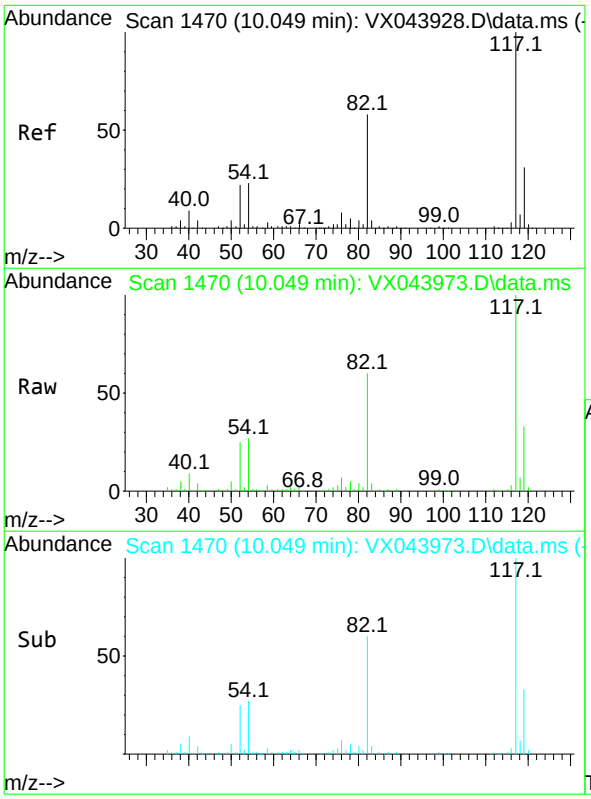
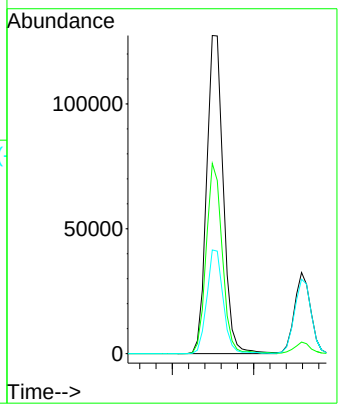
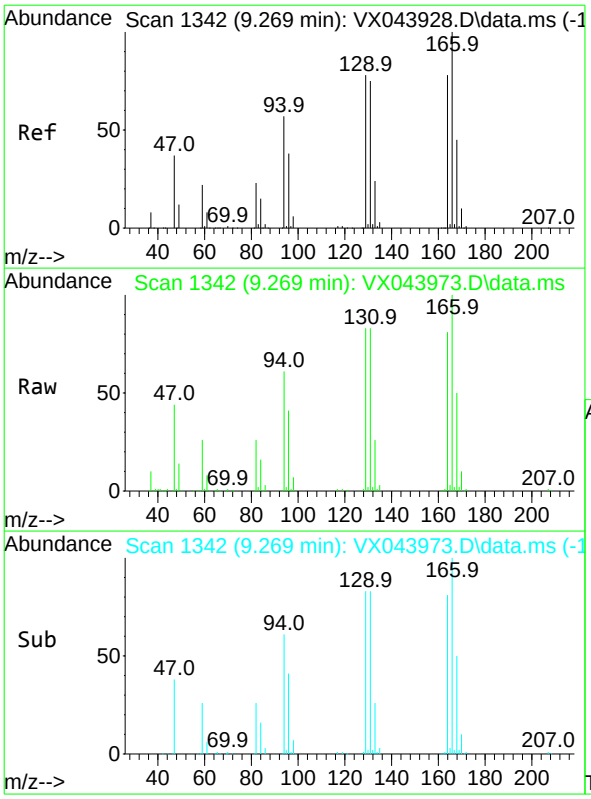



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:117 Resp: 180718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 46.4 | 69.6 |
| 119 | 32.6 | 24.6 | 37.0 |

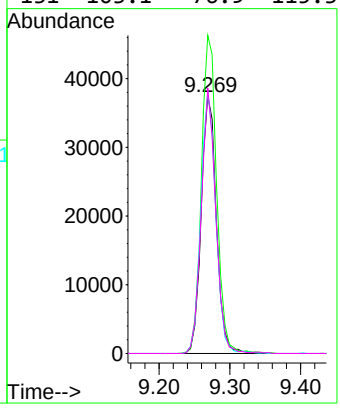





#64
Tetrachloroethene
Concen: 46.762 ug/l
RT: 9.269 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:164 Resp: 55723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.6 | 102.1 | 153.1 |
| 129 | 101.9 | 79.6 | 119.4 |
| 131 | 103.1 | 76.9 | 115.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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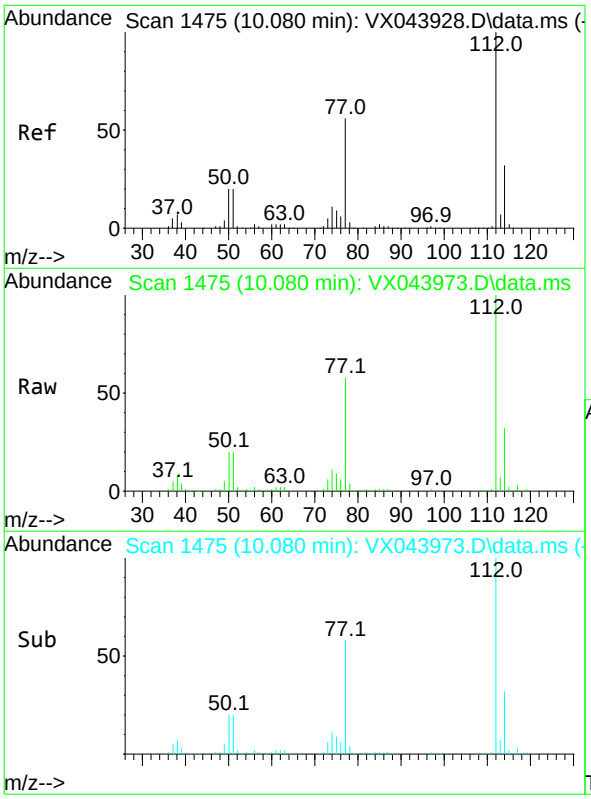
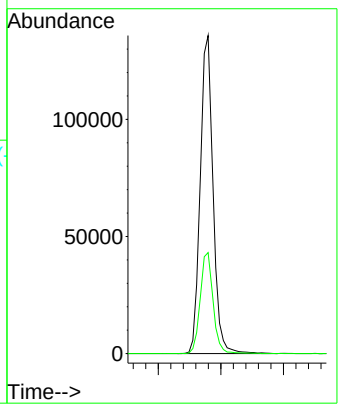
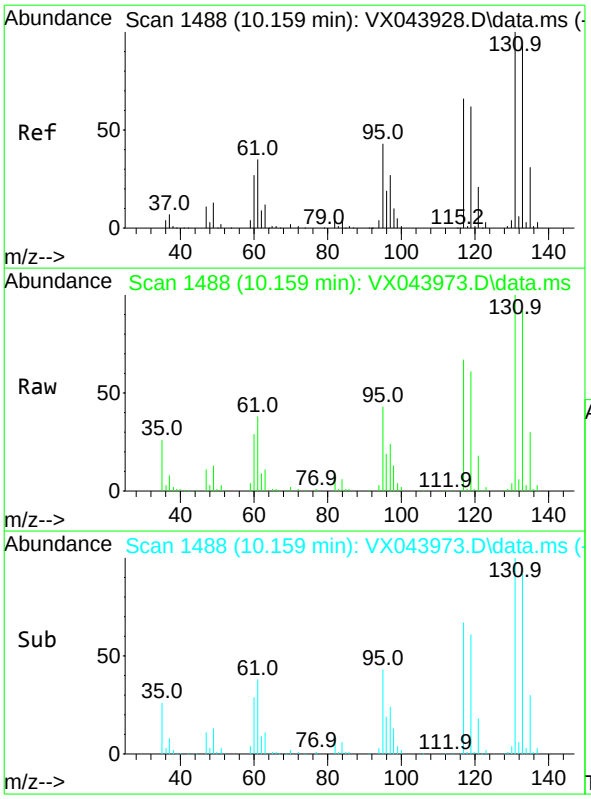



#65
Chlorobenzene
Concen: 48.612 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:112 Resp: 192945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.4 | 38.0 |






#66
1,1,1,2-Tetrachloroethane
Concen: 51.300 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:131 Resp: 66035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.9 | 48.2 | 144.6 |
| 119 | 64.3 | 31.5 | 94.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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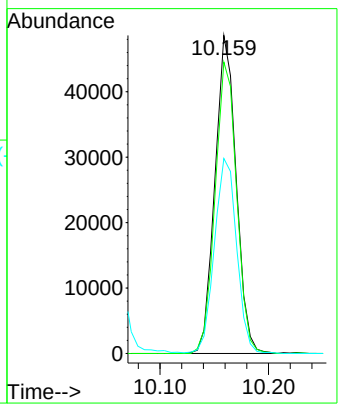
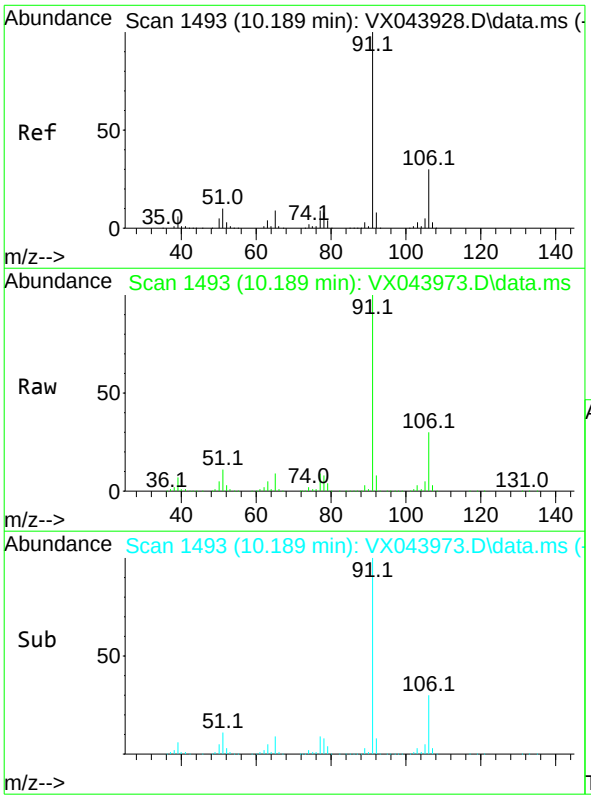
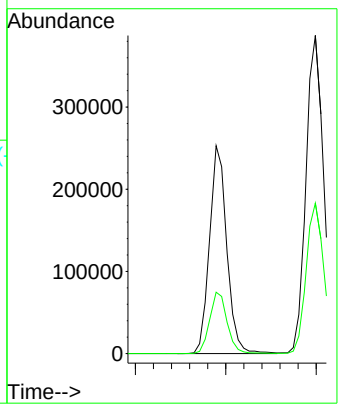


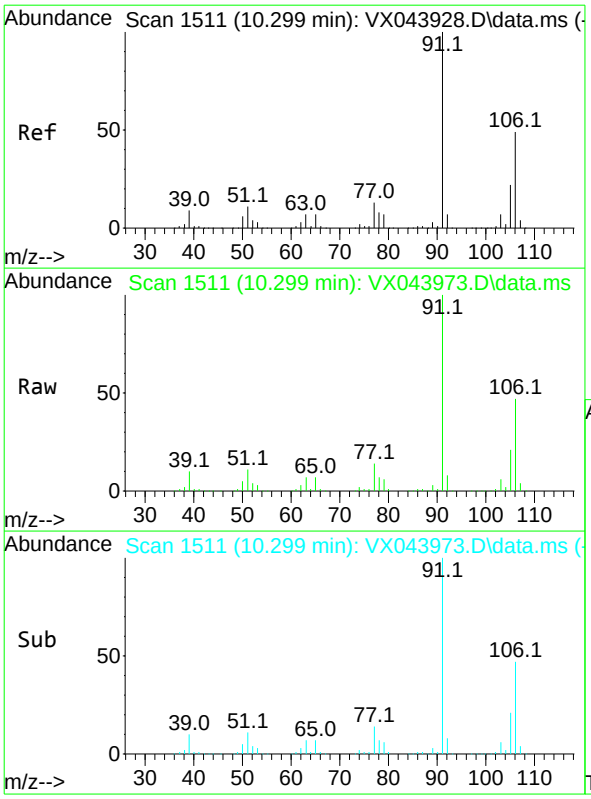




#67
Ethyl Benzene
Concen: 50.003 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 336300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 23.6 | 35.4 |

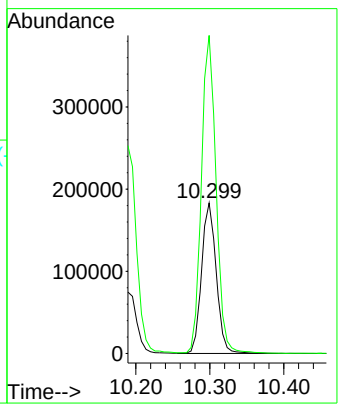





#68
m/p-Xylenes
Concen: 100.388 ug/l
RT: 10.299 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:106 Resp: 251786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.3 | 168.1 | 252.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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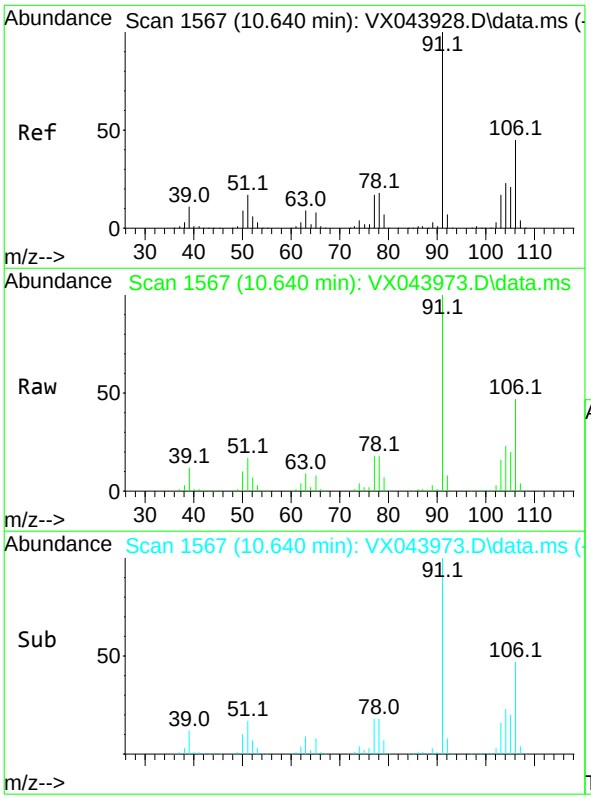
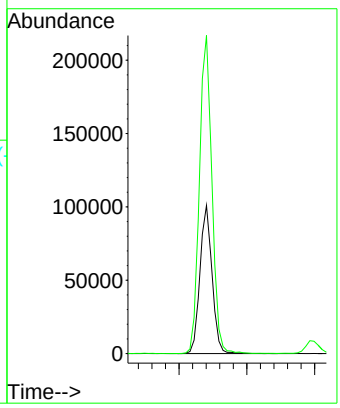
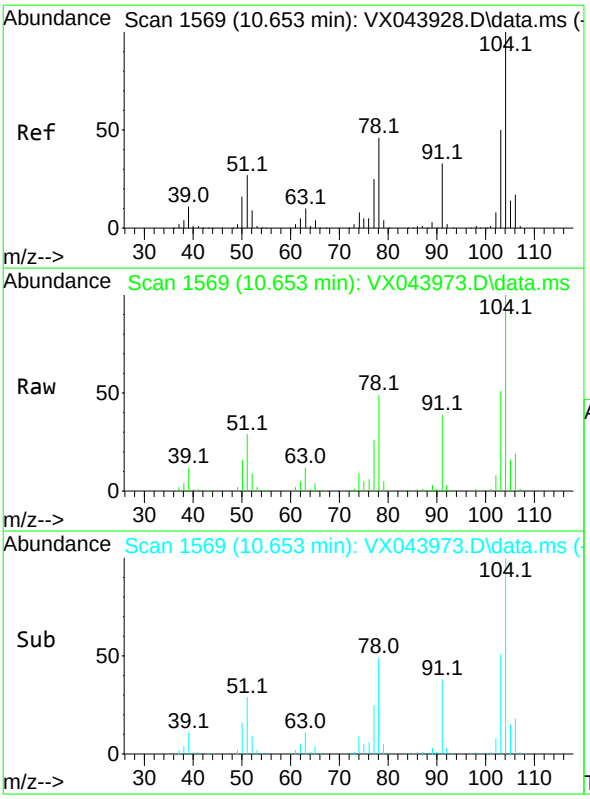



#69
o-Xylene
Concen: 51.057 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:106 Resp: 125030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.8 | 110.2 | 330.6 |

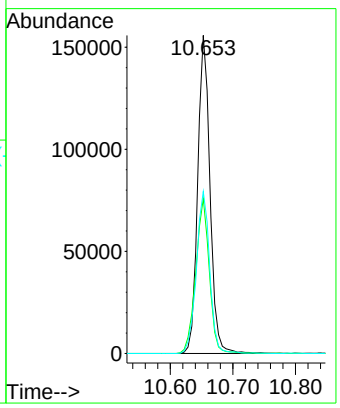





#70
Styrene
Concen: 52.376 ug/l
RT: 10.653 min Scan# 15
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:104 Resp: 212135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.3 | 44.7 | 67.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

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Reviewed By :John Carlone 11/25/2024
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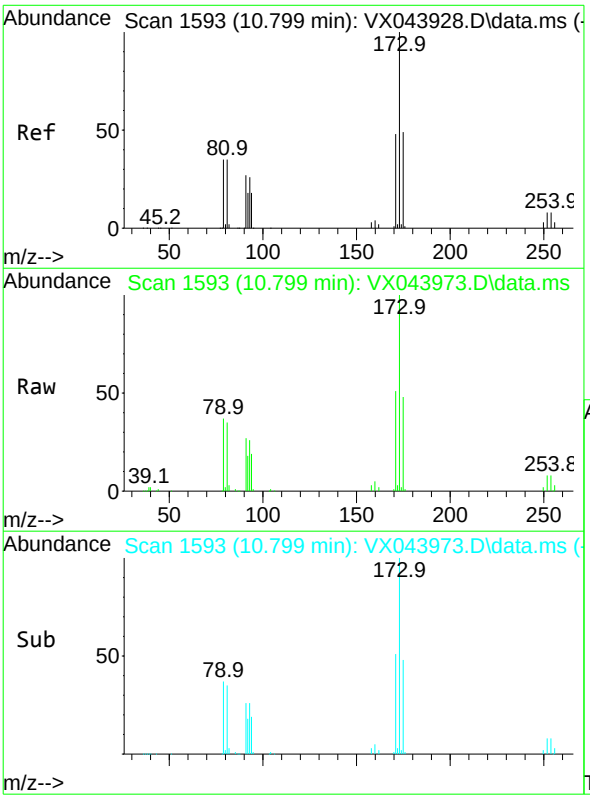
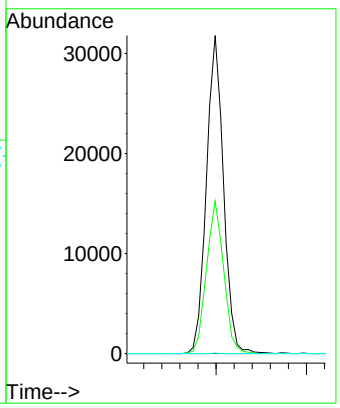
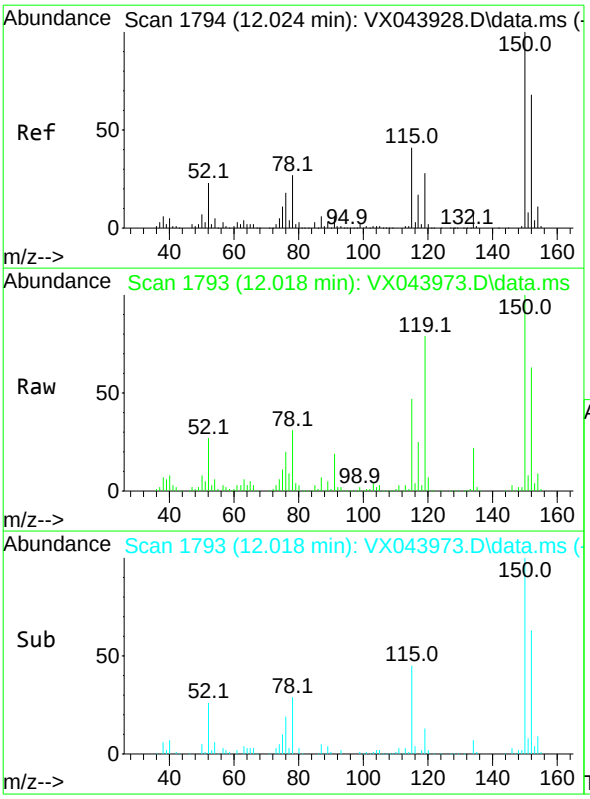



#71
Bromoform
Concen: 43.146 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:173 Resp: 41719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0# |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:152 Resp: 86103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.6 | 45.4 | 136.2 |
| 150 | 172.2 | 0.0 | 353.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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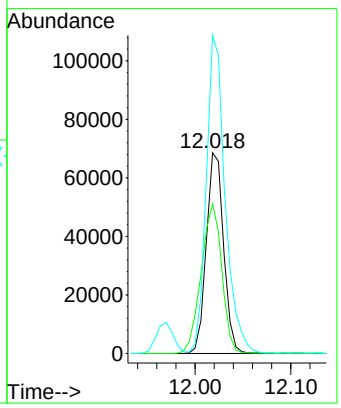
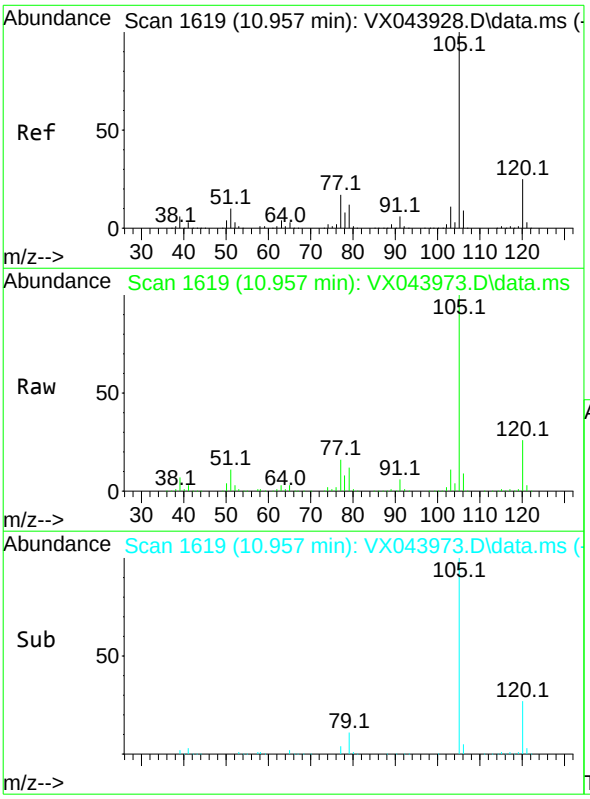
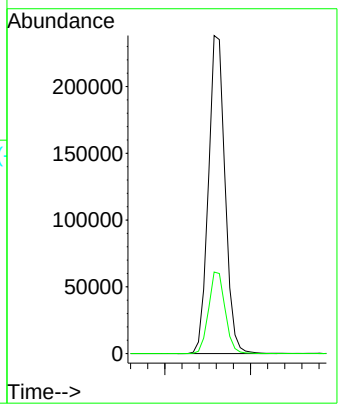


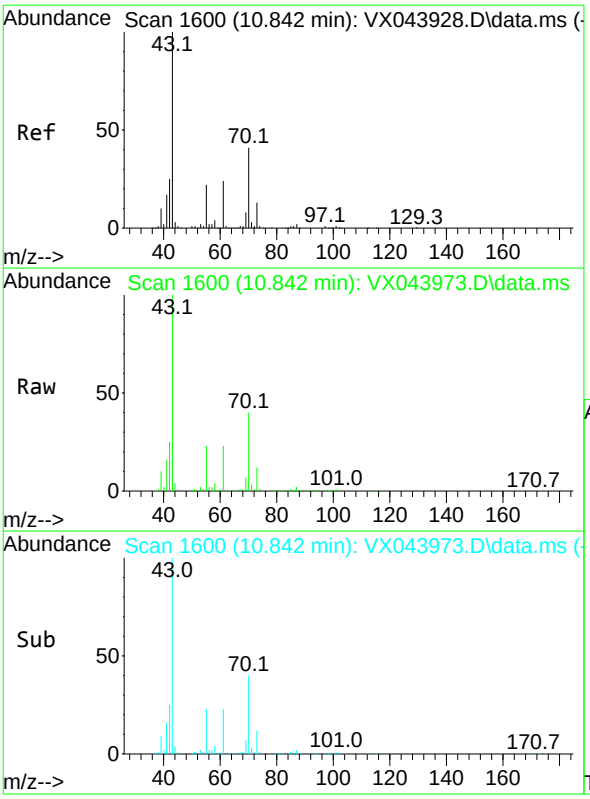




#73
Isopropylbenzene
Concen: 48.434 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 320568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 13.0 | 38.9 |

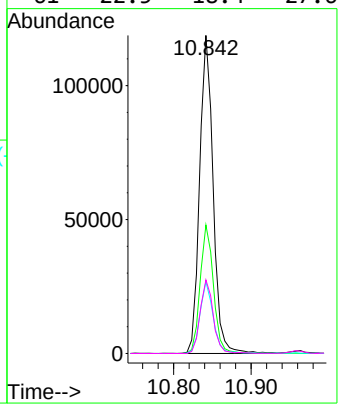





#74
N-amyl acetate
Concen: 46.852 ug/l
RT: 10.842 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 143653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.0 | 32.2 | 48.2 |
| 55 | 22.2 | 18.1 | 27.1 |
| 61 | 22.5 | 18.4 | 27.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

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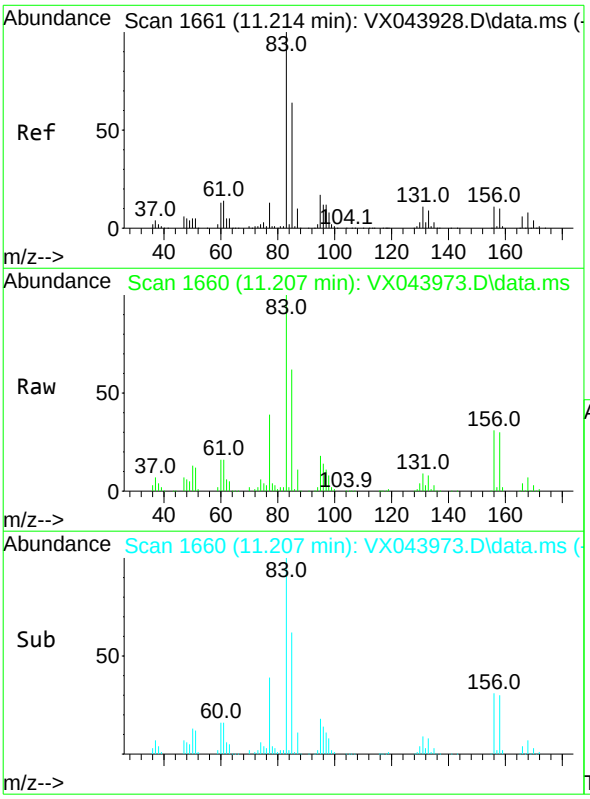
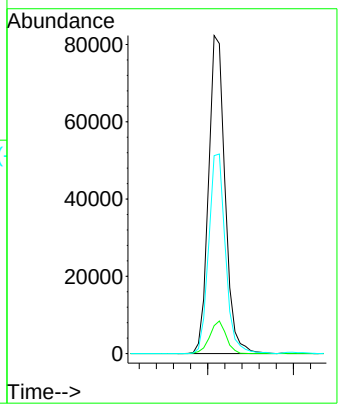
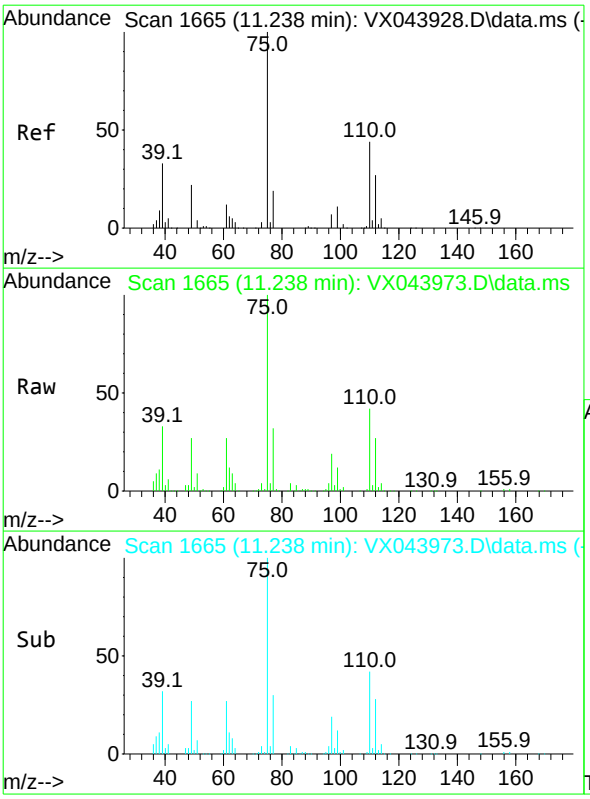



#75
1,1,2,2-Tetrachloroethane
Concen: 48.602 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 110147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.2 |
| 85 | 63.7 | 32.2 | 96.6 |






#76
1,2,3-Trichloropropane
Concen: 48.727 ug/l m
RT: 11.238 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 92007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.6 | 21.8 | 65.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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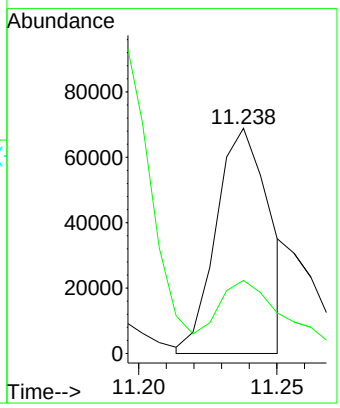
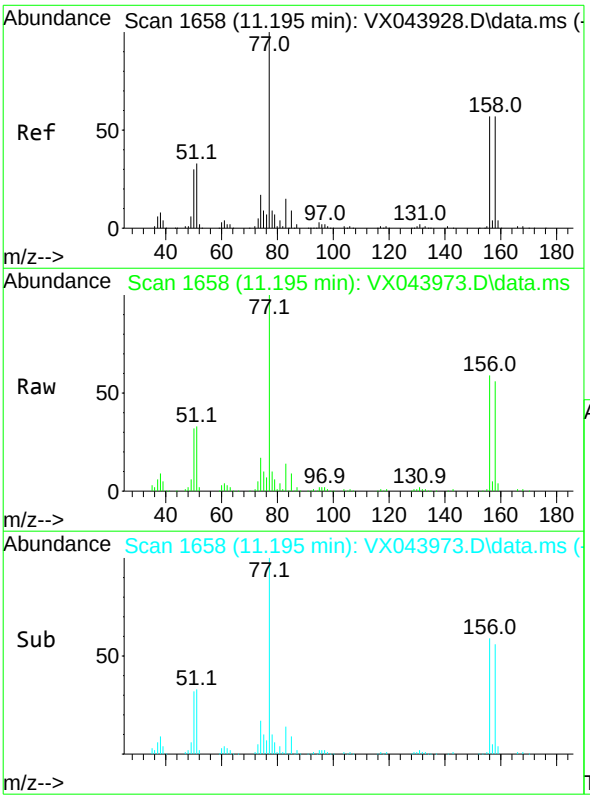
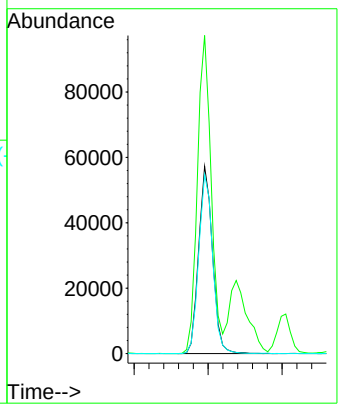


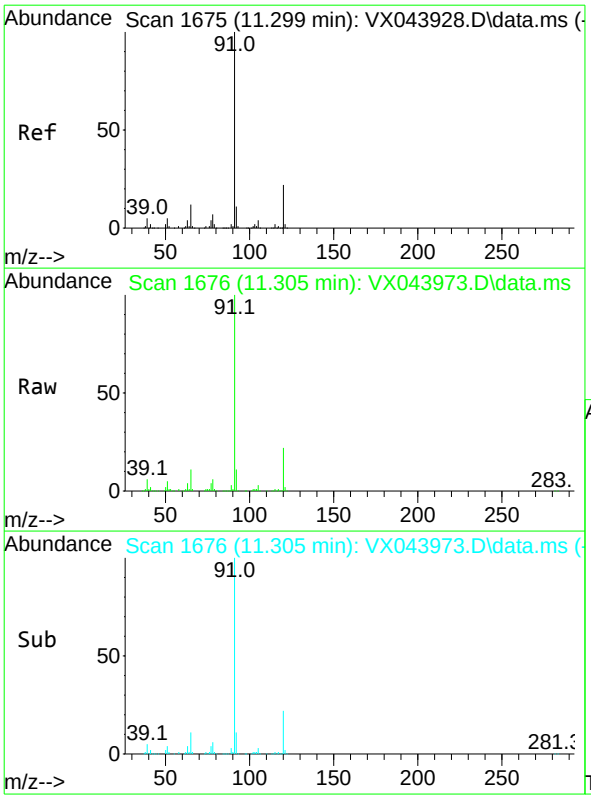




#77
Bromobenzene
Concen: 47.213 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:156 Resp: 74543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.4 | 83.4 | 250.1 |
| 158 | 96.3 | 47.6 | 142.8 |






#78
n-propylbenzene
Concen: 48.772 ug/l
RT: 11.305 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

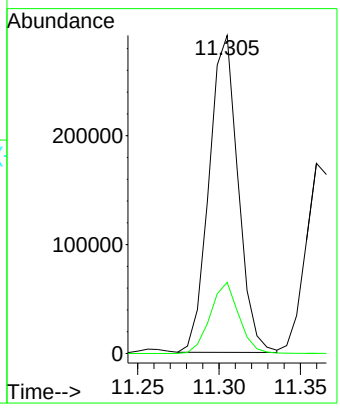
Tgt Ion: 91 Resp: 360526

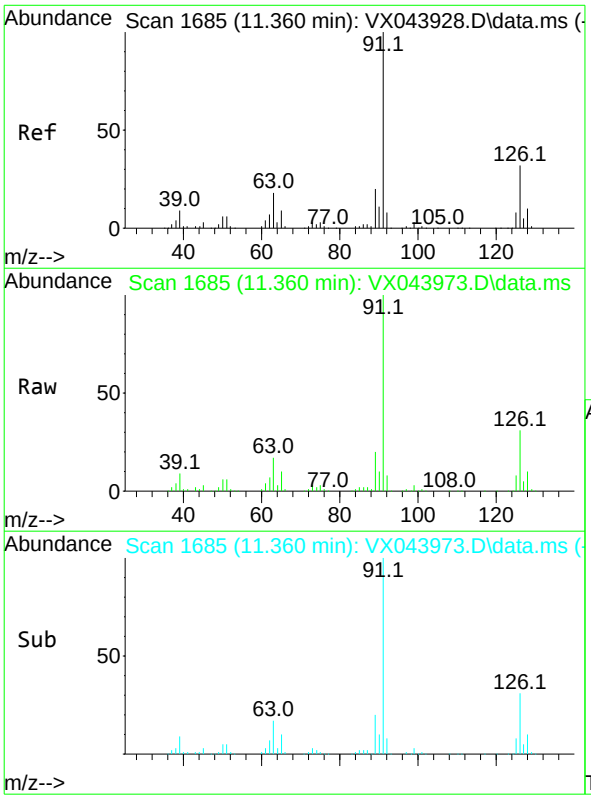
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

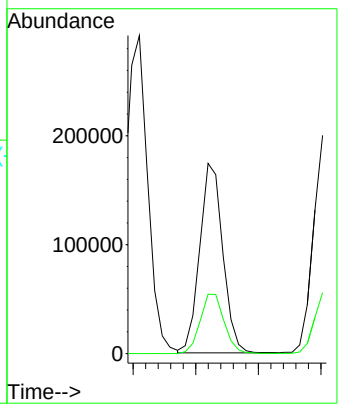


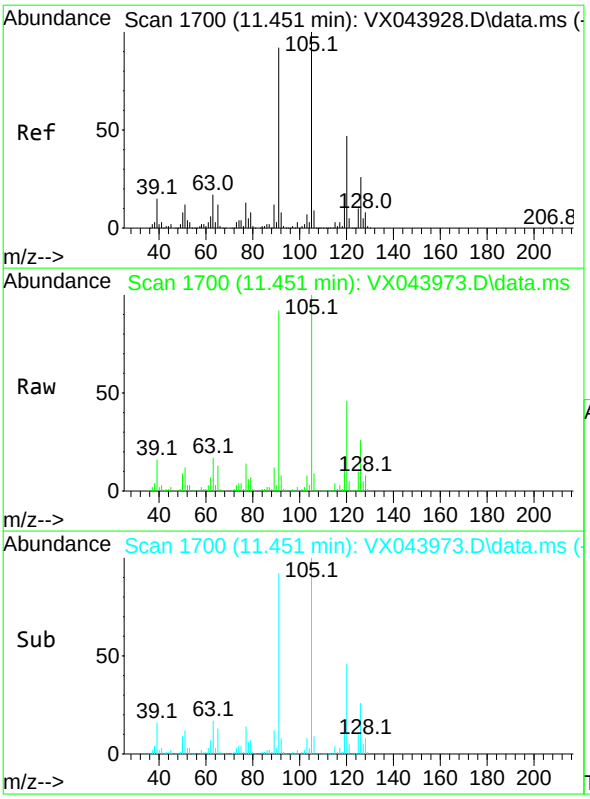




#79
2-Chlorotoluene
Concen: 47.756 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 223225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.6 | 49.8 |

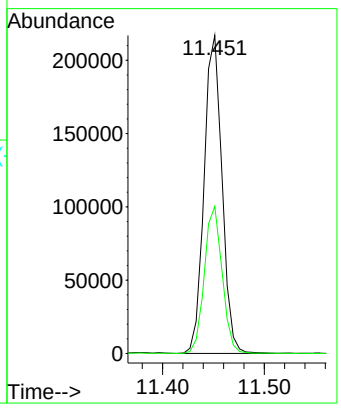





#80
1,3,5-Trimethylbenzene
Concen: 48.673 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 265035

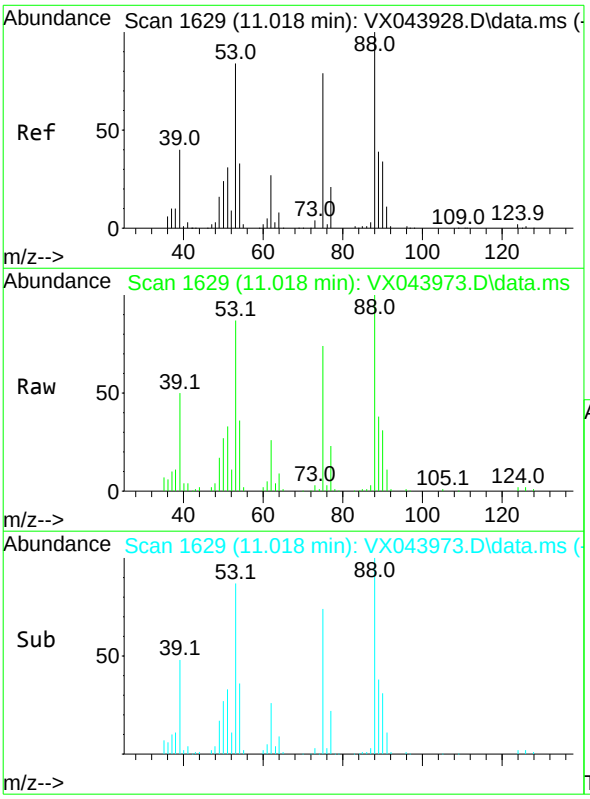
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 23.3 | 69.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

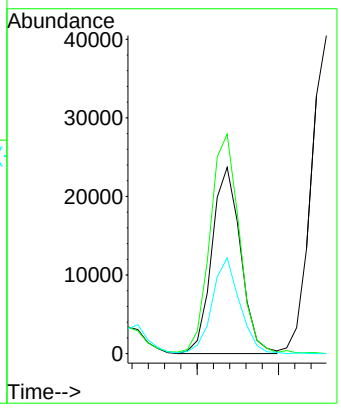
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

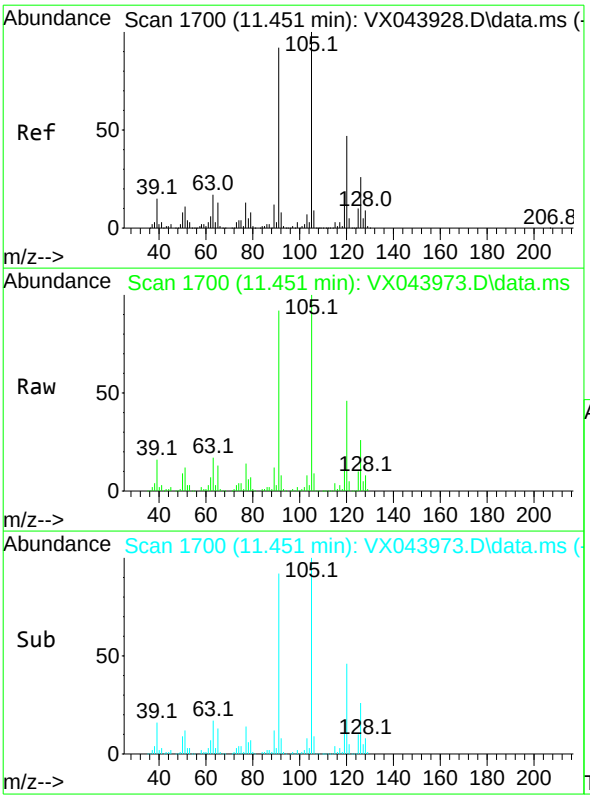



#81
trans-1,4-Dichloro-2-butene
Concen: 42.080 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 29118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 120.5 | 86.7 | 130.1 |
| 89 | 49.6 | 38.2 | 57.2 |






#82
4-Chlorotoluene
Concen: 48.089 ug/l
RT: 11.451 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 253775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.3 | 42.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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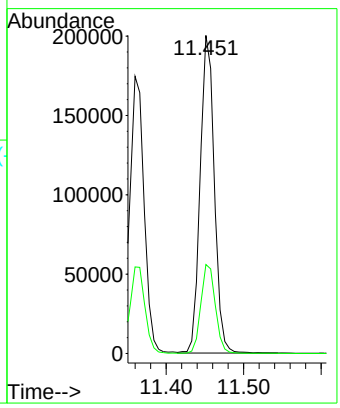
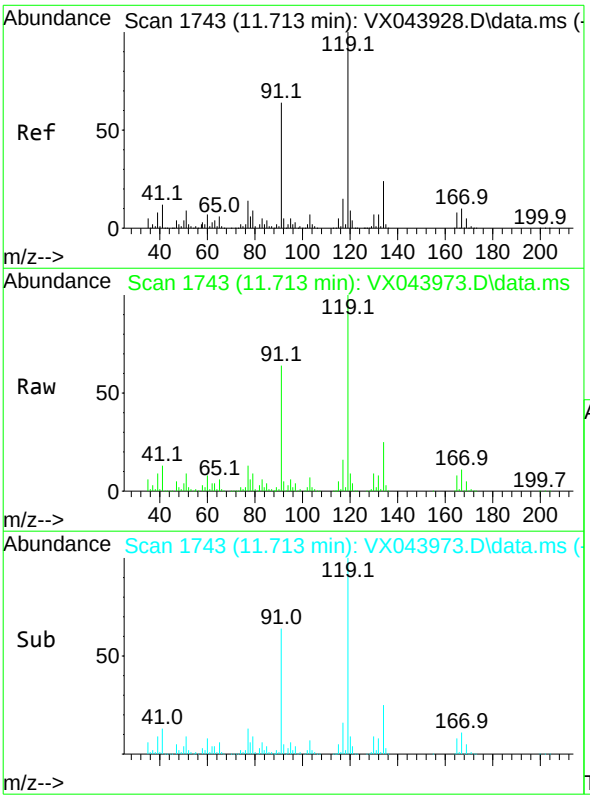
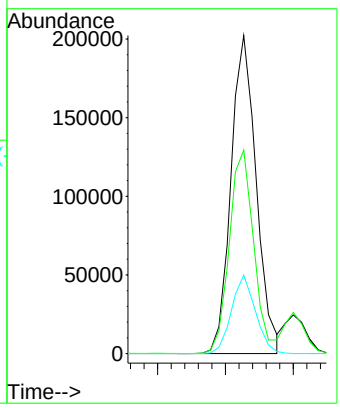


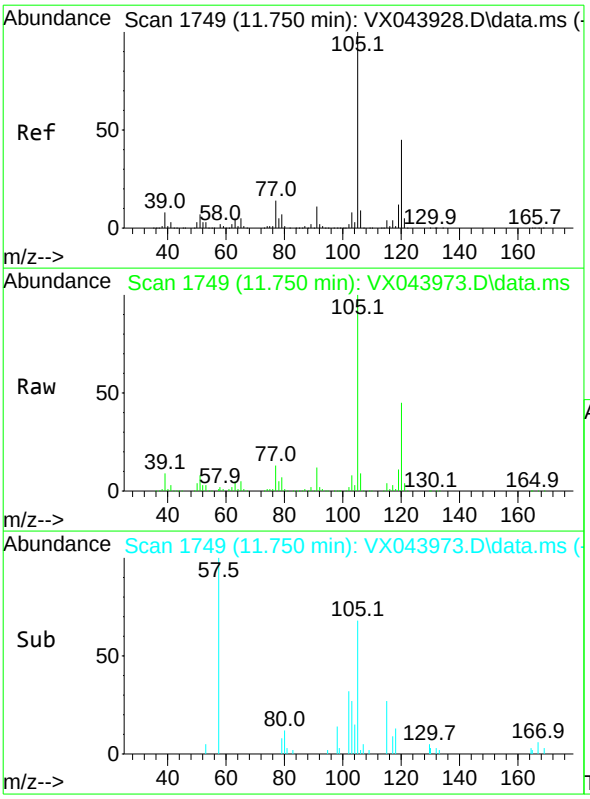




#83
tert-Butylbenzene
Concen: 48.461 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:119 Resp: 261550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.3 | 31.0 | 93.0 |
| 134 | 23.4 | 11.6 | 34.8 |






#84
1,2,4-Trimethylbenzene
Concen: 49.305 ug/l
RT: 11.750 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 267291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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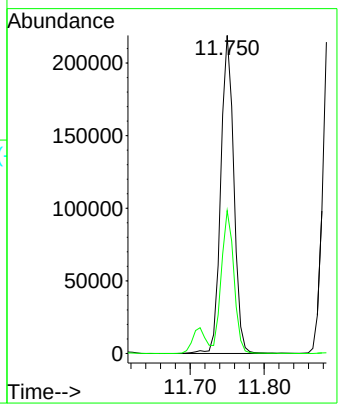
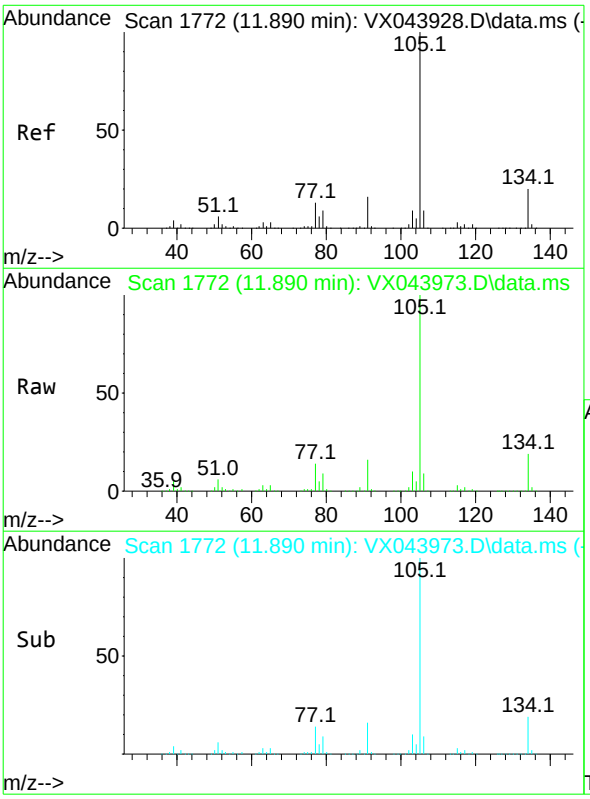
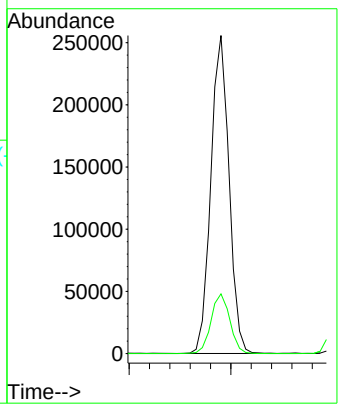


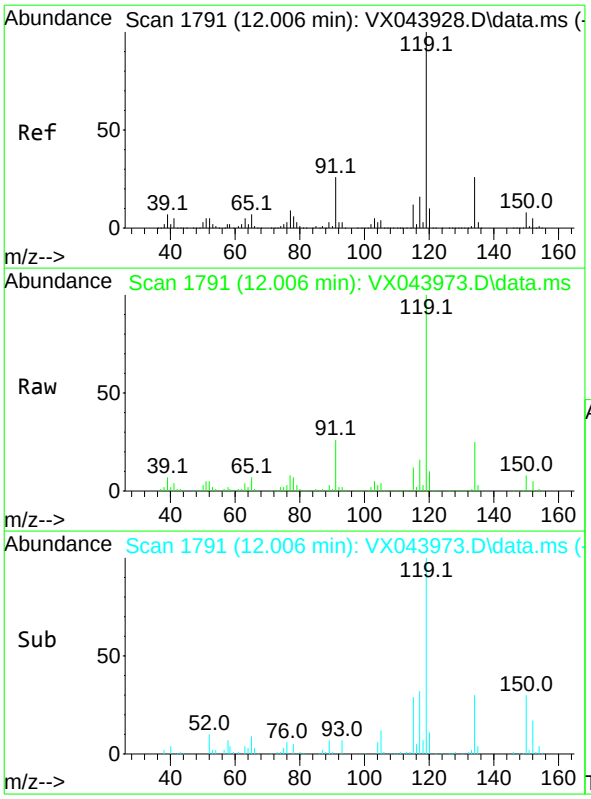




#85
sec-Butylbenzene
Concen: 48.018 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 317529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.5 | 9.7 | 29.1 |






#86
p-Isopropyltoluene
Concen: 49.776 ug/l
RT: 12.006 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:119 Resp: 267370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 38.9 |
| 91 | 26.1 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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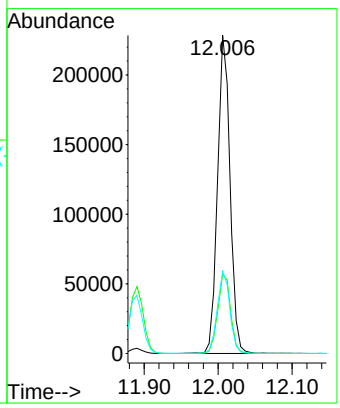
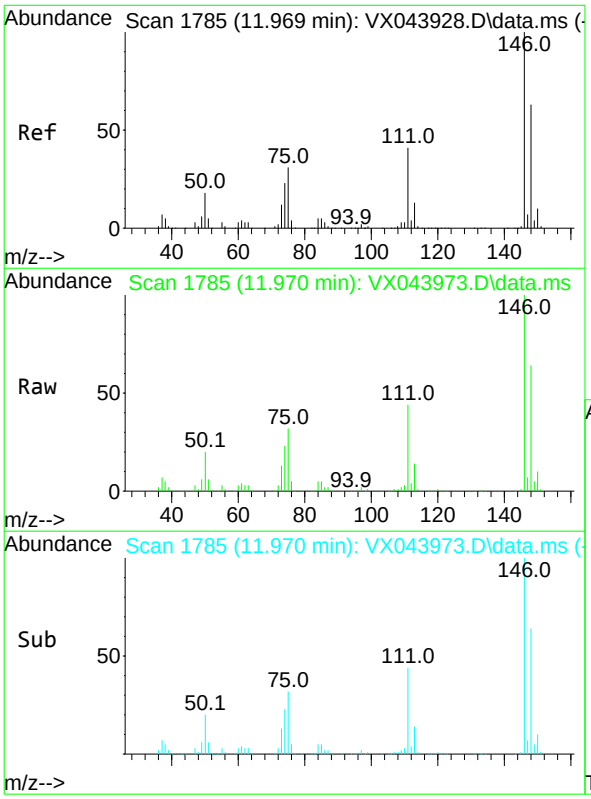
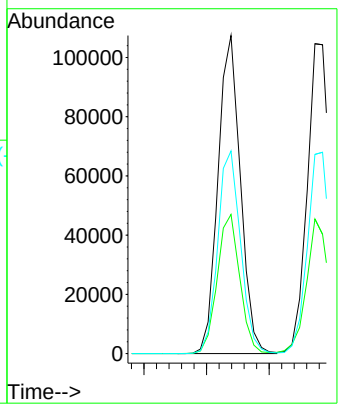


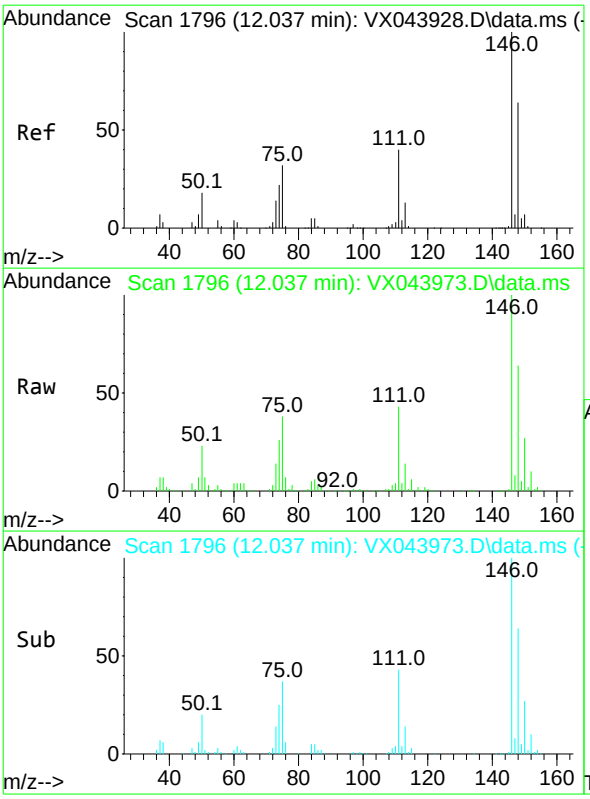




#87
1,3-Dichlorobenzene
Concen: 46.569 ug/l
RT: 11.970 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:146 Resp: 133915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.1 | 63.3 |
| 148 | 64.8 | 31.7 | 95.1 |

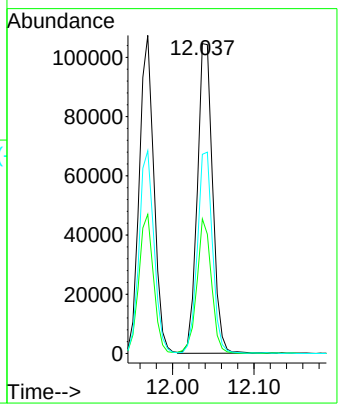





#88
1,4-Dichlorobenzene
Concen: 46.757 ug/l
RT: 12.037 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:146 Resp: 137083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.1 | 60.3 |
| 148 | 63.7 | 30.9 | 92.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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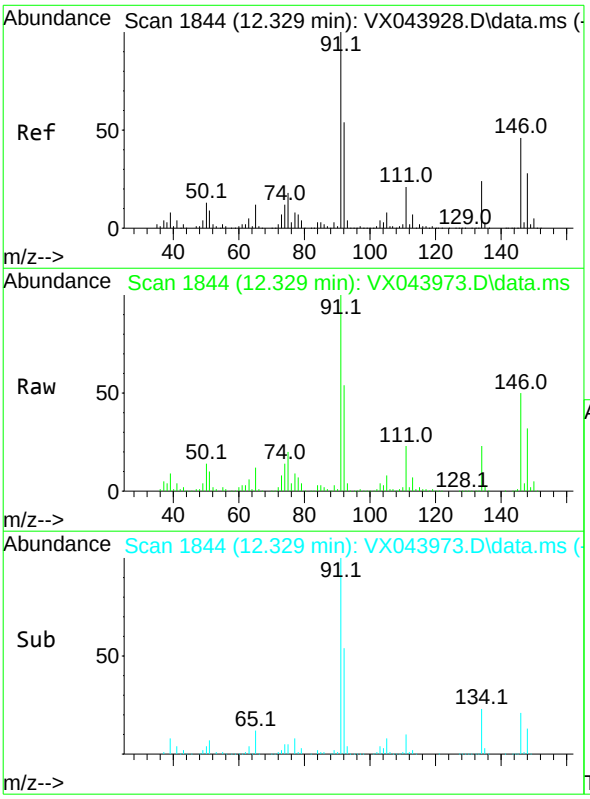
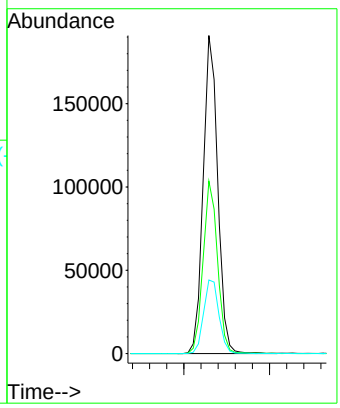
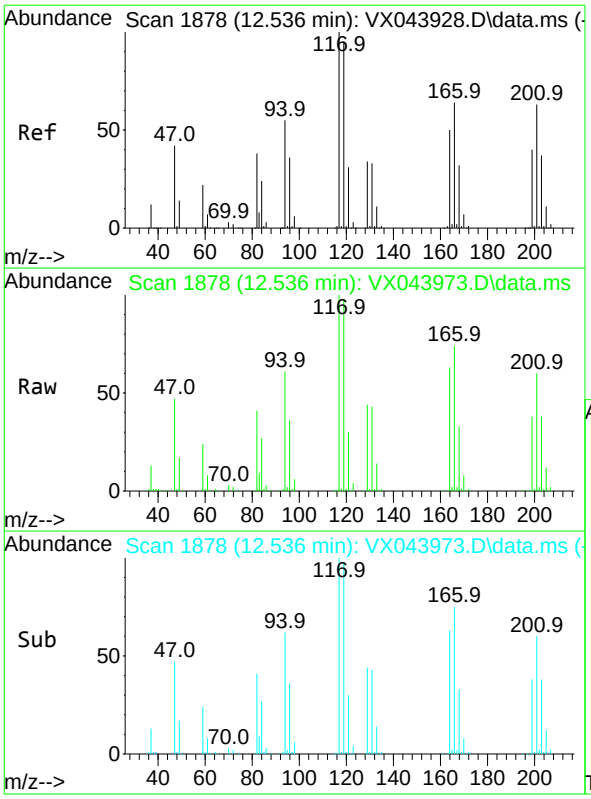



#89
n-Butylbenzene
Concen: 47.515 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 225022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 26.6 | 79.8 |
| 134 | 24.4 | 12.4 | 37.2 |






#90
Hexachloroethane
Concen: 44.510 ug/l
RT: 12.536 min Scan# 18
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:117 Resp: 40654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.2 | 32.4 | 97.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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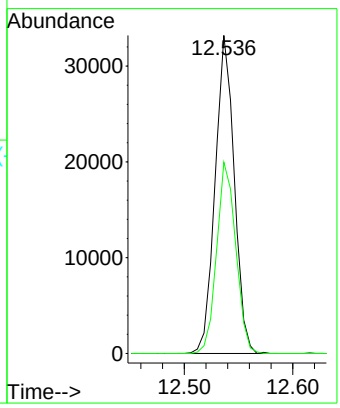
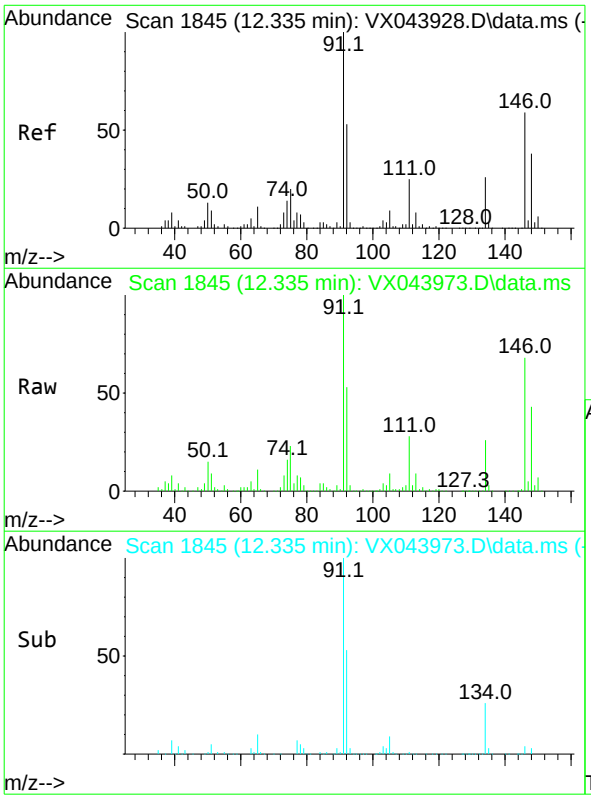
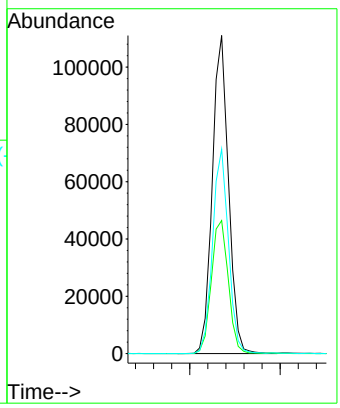


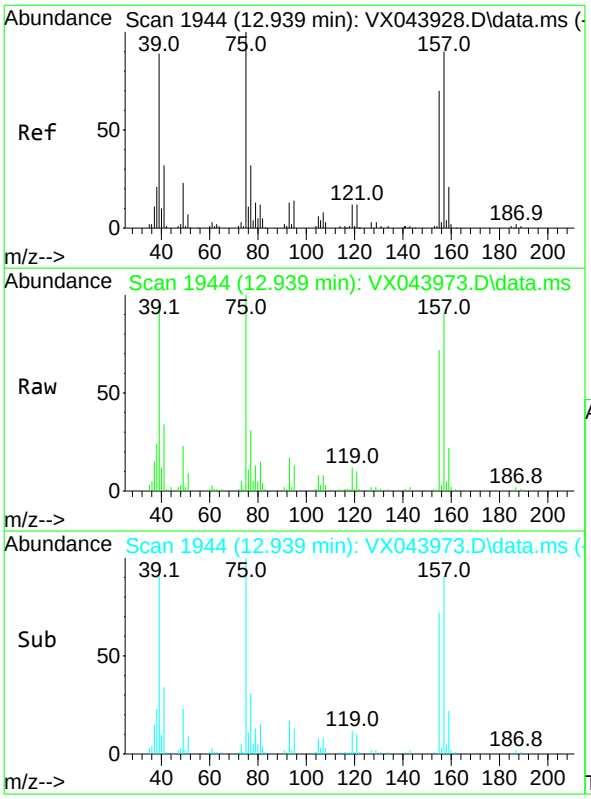




#91
1,2-Dichlorobenzene
Concen: 47.641 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:146 Resp: 138255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 21.5 | 64.5 |
| 148 | 63.0 | 31.9 | 95.5 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 45.408 ug/l
RT: 12.939 min Scan# 19
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 75 Resp: 20620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.8 | 40.1 | 120.2 |
| 157 | 95.7 | 49.6 | 149.0 |

**Manual Integrations**
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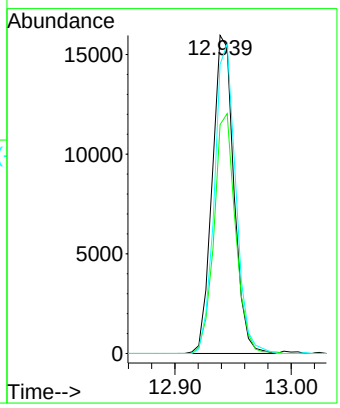
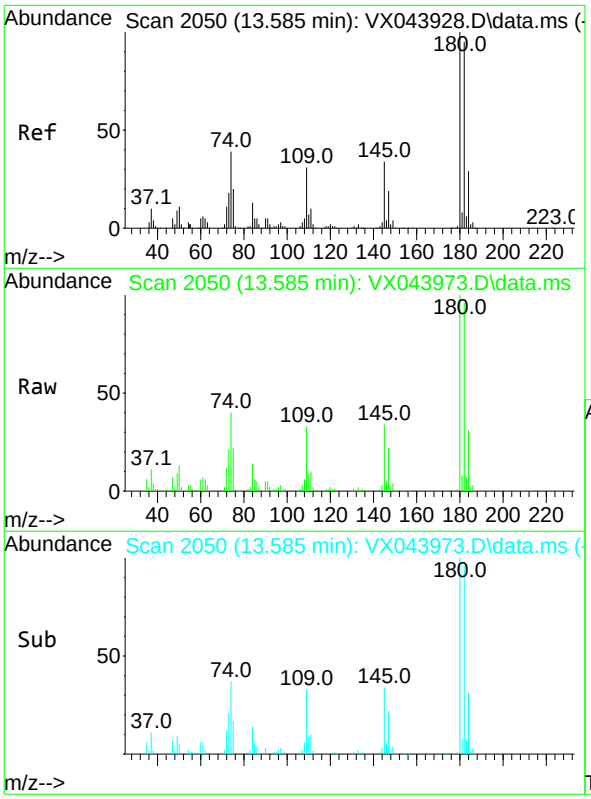
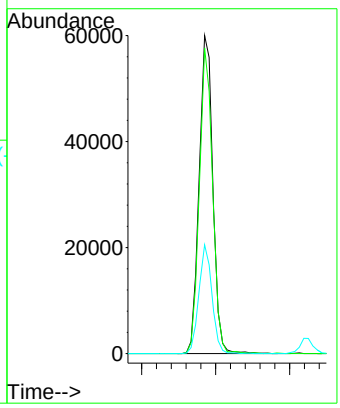


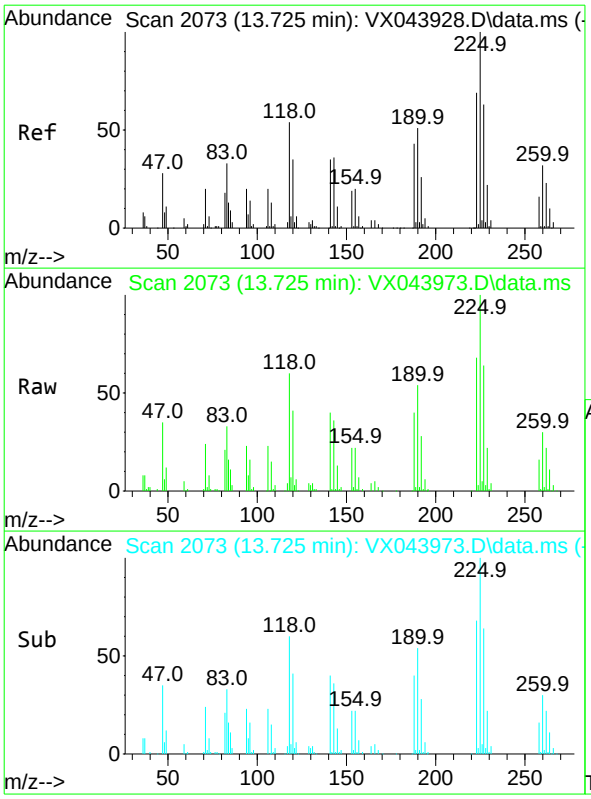




#93
1,2,4-Trichlorobenzene
Concen: 45.054 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:180 Resp: 77084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.0 | 144.2 |
| 145 | 32.7 | 16.8 | 50.4 |

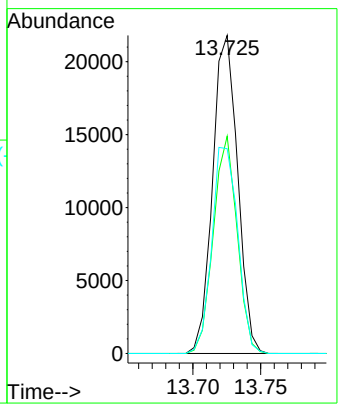





#94
Hexachlorobutadiene
Concen: 41.406 ug/l
RT: 13.725 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:225 Resp: 27998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.8 | 32.9 | 98.6 |
| 227 | 67.2 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
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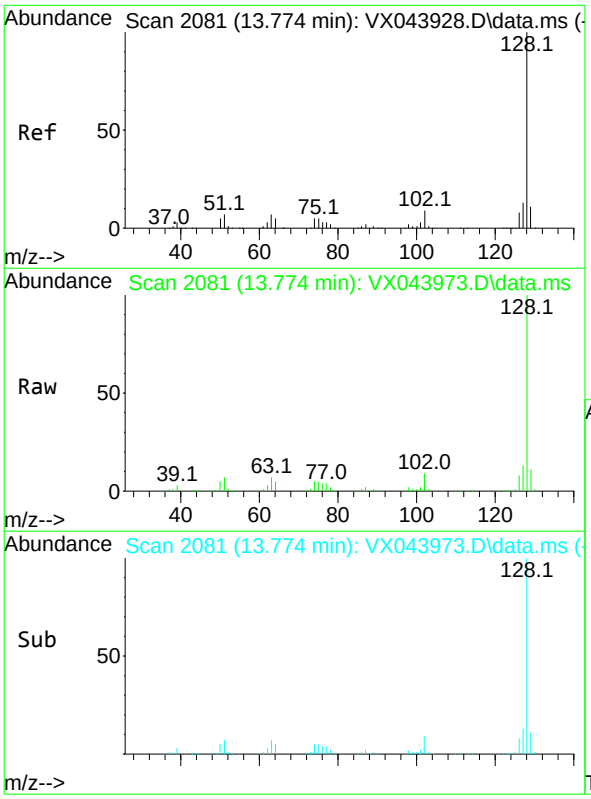
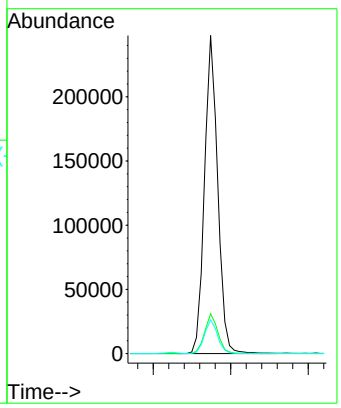
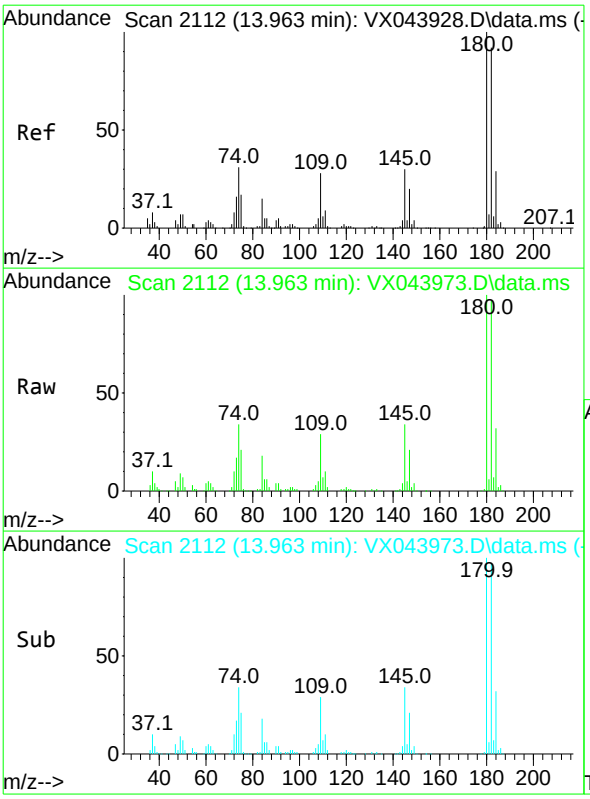



#95
Naphthalene
Concen: 47.601 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:128 Resp: 293168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.5 | 8.6 | 12.8 |

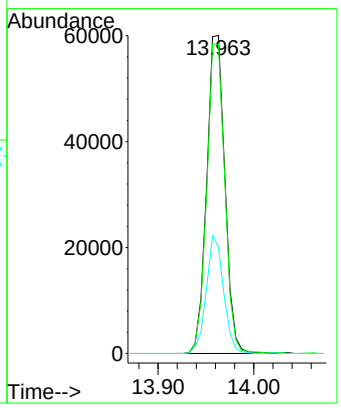





#96
1,2,3-Trichlorobenzene
Concen: 45.825 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:180 Resp: 79356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 45.6 | 136.8 |
| 145 | 35.2 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119MSD | SDG No.: | P4934 |
| Lab Sample ID: | P4934-07MSD | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043974.D | 1 | | 11/22/24 20:42 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 74-87-3 | Chloromethane | 51.8 | | 0.35 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 49.9 | | 0.34 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 60.3 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 54.2 | | 0.56 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 62.0 | | 0.34 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 50.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 51.6 | | 0.26 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 210 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 49.1 | | 0.32 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 56.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 52.9 | | 0.32 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 55.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 56.5 | | 0.23 | 0.50 | 1.00 | ug/L |
| 78-93-3 | 2-Butanone | 250 | | 1.30 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 54.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 55.7 | | 0.25 | 0.75 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 56.6 | | 0.26 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 58.0 | | 0.19 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 50.4 | | 0.19 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 54.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 55.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 47.3 | | 0.32 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 57.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 56.3 | | 0.24 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 270 | | 0.75 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 55.8 | | 0.18 | 0.50 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 56.4 | | 0.21 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 54.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 54.2 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 260 | | 1.10 | 2.50 | 5.00 | ug/L |

Raw Data: **VX043974.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 11/19/24 |
| Project: | CTO WE13 | Date Received: | 11/20/24 |
| Client Sample ID: | BPOW6-10-20241119MSD | SDG No.: | P4934 |
| Lab Sample ID: | P4934-07MSD | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX043974.D | 1 | | 11/22/24 20:42 | VX112224 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 124-48-1 | Dibromochloromethane | 56.0 | | 0.18 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 51.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 53.5 | | 0.13 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 55.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 110 | | 0.31 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 55.8 | | 0.14 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 56.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 48.1 | | 0.21 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 54.2 | | 0.13 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 54.8 | | 0.27 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 52.9 | | 0.24 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 52.6 | | 0.27 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 53.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 55.5 | | 81 - 118 | | 111% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 54.7 | | 80 - 119 | | 109% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 54.5 | | 89 - 112 | | 109% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.2 | | 85 - 114 | | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 109000 | 5.549 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 199000 | 6.757 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 171000 | 10.055 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 79900 | 12.018 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX043974.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.549 | 168 | 108873 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 198897 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 171140 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 79942 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 103662 | 55.513 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 111.020% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 77710 | 54.678 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 109.360% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 267026 | 54.505 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90415 | 54.229 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 108.460% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 67339 | 48.823 | ug/l | 100 |
| 3) Chloromethane | 1.294 | 50 | 75165 | 51.788 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 77105 | 49.946 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 57309 | 60.345 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 50965 | 54.179 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 171231 | 62.040 | ug/l | 98 |
| 8) Diethyl Ether | 2.135 | 74 | 53695 | 53.376 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 66563 | 50.559 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 85969 | 52.284 | ug/l | 97 |
| 11) Tert butyl alcohol | 3.007 | 59 | 71616 | 238.937 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 64688 | 51.563 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 78855 | 249.600 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 111160 | 54.227 | ug/l | 96 |
| 15) Acrylonitrile | 3.068 | 53 | 192119 | 263.027 | ug/l | 98 |
| 16) Acetone | 2.385 | 43 | 176125 | 205.355 | ug/l | 99 |
| 17) Carbon Disulfide | 2.501 | 76 | 127049 | 49.096 | ug/l | 100 |
| 18) Methyl Acetate | 2.702 | 43 | 96830 | 48.481 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 258587 | 56.768 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 77032 | 52.927 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.086 | 96 | 71315 | 55.060 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 249718 | 56.970 | ug/l | 99 |
| 23) Vinyl Acetate | 3.720 | 43 | 1026851 | 273.850 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 142837 | 56.486 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 279714 | 252.757 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 113954 | 49.899 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 89108 | 55.657 | ug/l | 99 |
| 28) Bromochloromethane | 4.897 | 49 | 60976 | 54.782 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.007 | 42 | 181063 | 266.878 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 154062 | 56.646 | ug/l | 97 |
| 31) Cyclohexane | 5.464 | 56 | 107961 | 51.874 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 135964 | 57.971 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 95946 | 54.176 | ug/l | 99 |
| 37) Ethyl Acetate | 4.714 | 43 | 107894 | 49.078 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 108000 | 54.272 | ug/l | 100 |
| 39) Methylcyclohexane | 7.372 | 83 | 115848 | 50.352 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 302182 | 54.777 | ug/l | 100 |

Sample Results: **VX043974.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 60170 | 53.476 ug/l | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 123960 | 55.949 ug/l | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 181947 | 52.005 ug/l | 100 |
| 44) Trichloroethene | 7.116 | 130 | 73903 | 47.323 ug/l | 93 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 77701 | 57.508 ug/l | 99 |
| 46) Dibromomethane | 7.580 | 93 | 59993 | 56.131 ug/l | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 107873 | 56.275 ug/l | 100 |
| 48) Methyl methacrylate | 7.689 | 41 | 89173 | 53.118 ug/l | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 25863 | 864.861 ug/l # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 580077 | 271.694 ug/l | 99 |
| 52) Toluene | 8.713 | 92 | 184227 | 55.795 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 110281 | 56.417 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 116090 | 54.174 ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 9.146 | 97 | 73871 | 54.198 ug/l | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118700 | 55.912 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 129321 | 56.324 ug/l | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 424211 | 264.347 ug/l | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 76638 | 56.041 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 77451 | 56.198 ug/l | 99 |
| 64) Tetrachloroethene | 9.268 | 164 | 58186 | 51.562 ug/l | 94 |
| 65) Chlorobenzene | 10.079 | 112 | 201017 | 53.480 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 69409 | 56.939 ug/l | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 353161 | 55.449 ug/l | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 263018 | 110.735 ug/l | 100 |
| 69) o-Xylene | 10.640 | 106 | 129366 | 55.784 ug/l | 100 |
| 70) Styrene | 10.652 | 104 | 216231 | 56.375 ug/l | 99 |
| 71) Bromoform | 10.798 | 173 | 44443 | 48.125 ug/l # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 332792 | 54.156 ug/l | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 149823 | 52.630 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 115231 | 54.764 ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 93043m | 53.073 ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 78016 | 53.221 ug/l | 97 |
| 78) n-propylbenzene | 11.304 | 91 | 374036 | 54.499 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.365 | 91 | 232083 | 53.477 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 275820 | 54.557 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29861 | 46.479 ug/l | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 267523 | 54.601 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 276544 | 55.188 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.749 | 105 | 282874 | 56.200 ug/l | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 330144 | 53.773 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 278422 | 55.829 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 141347 | 52.941 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 143136 | 52.585 ug/l | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 233456 | 53.095 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 43982 | 51.864 ug/l | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 144265 | 53.543 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75 | 23157 | 54.925 ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 82015 | 51.631 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29844 | 47.537 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 312161 | 54.591 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.956 | 180 | 86747 | 53.954 ug/l | 97 |

Sample Results: **VX043974.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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

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

Sample Results: **VX043974.D**

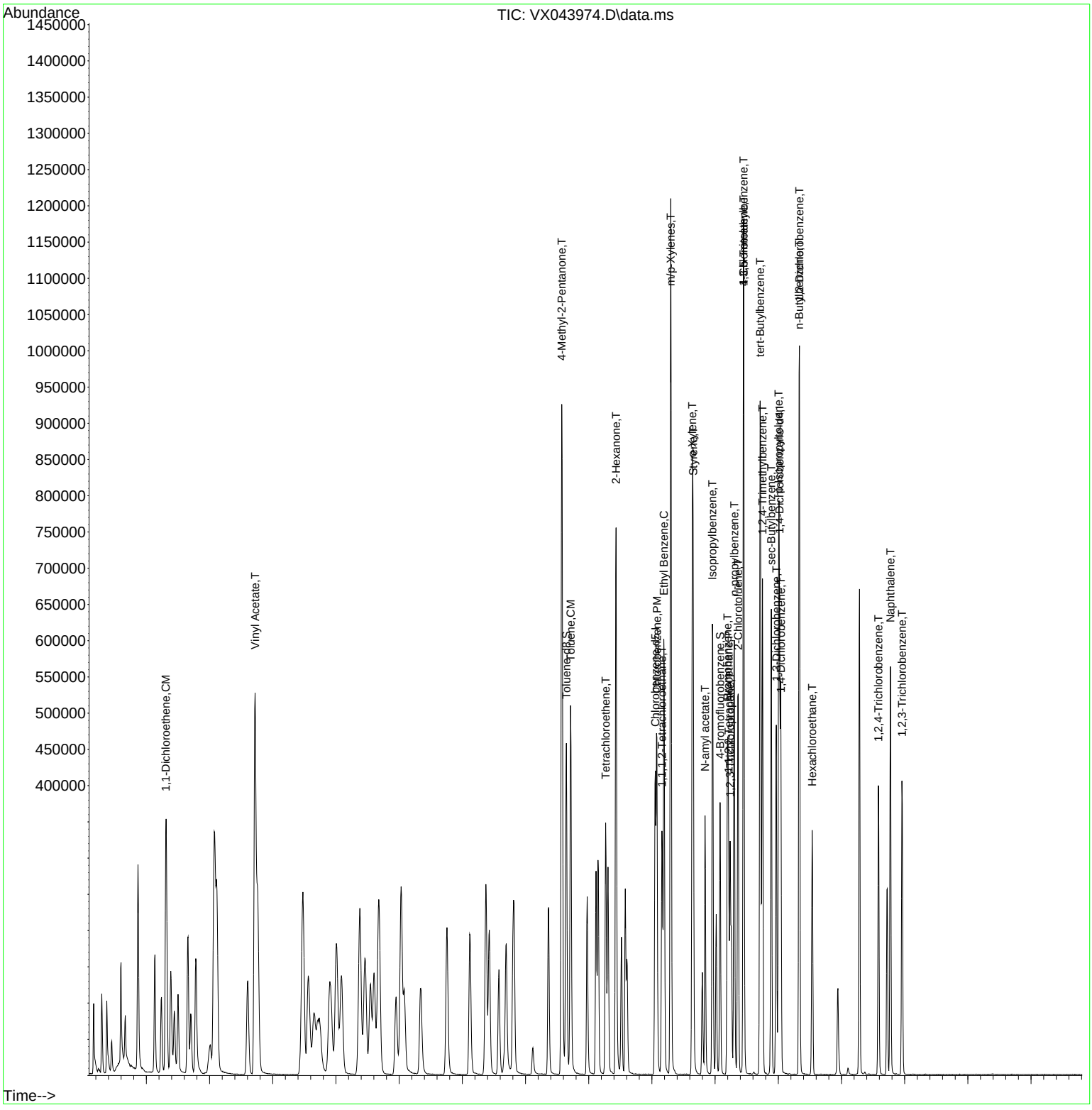
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

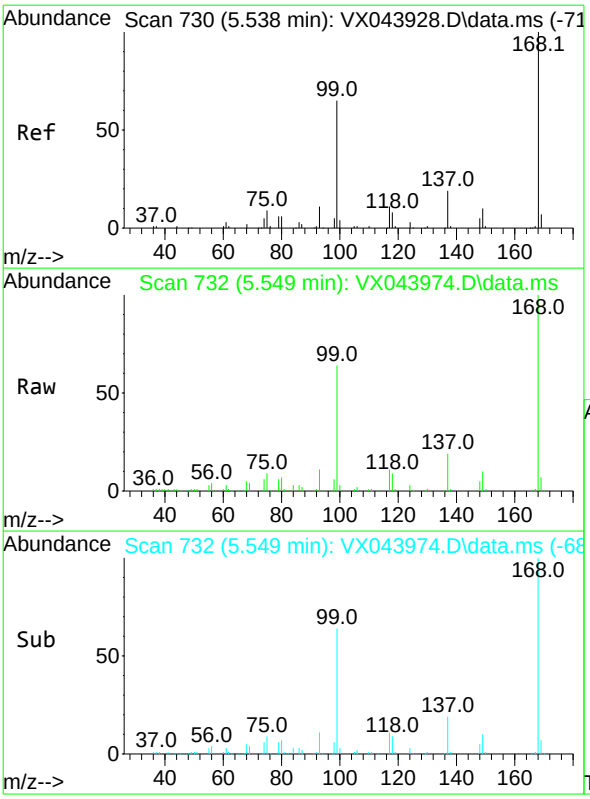
Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

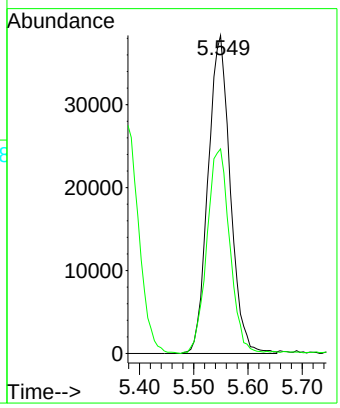





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 73
Delta R.T. 0.011 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:168 Resp: 108873

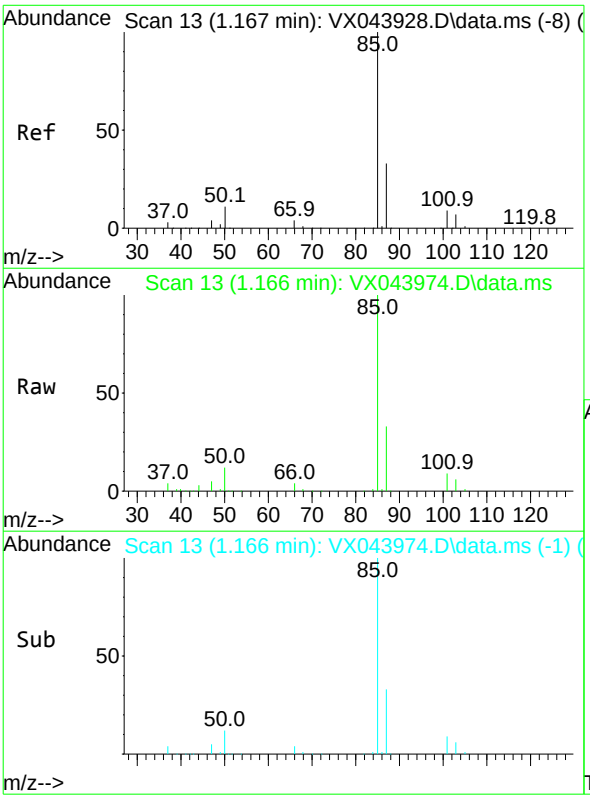
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.2 | 51.8 | 77.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

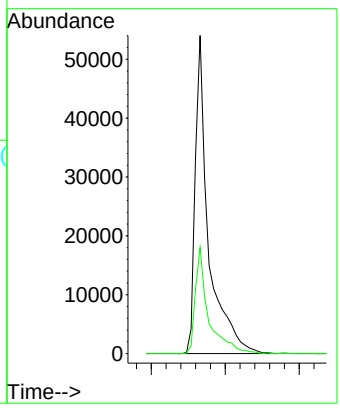
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

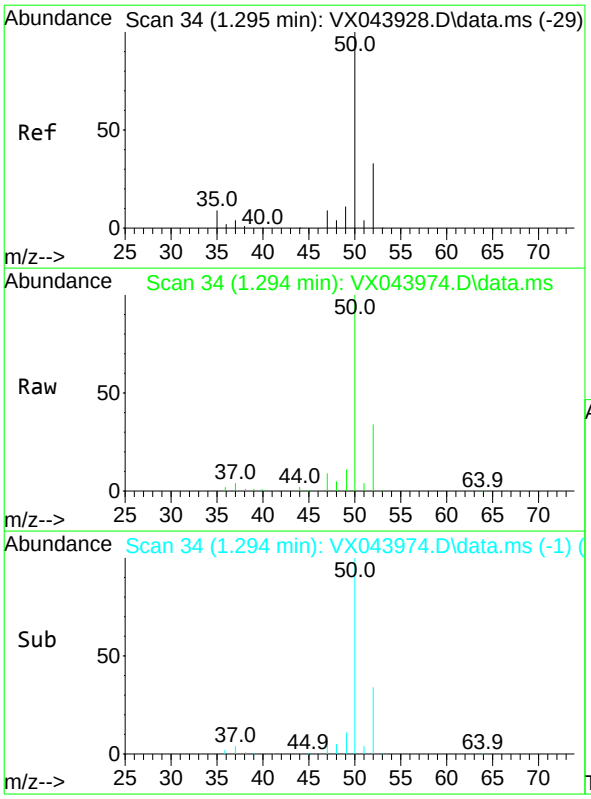



#2
Dichlorodifluoromethane
Concen: 48.823 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 85 Resp: 67339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |

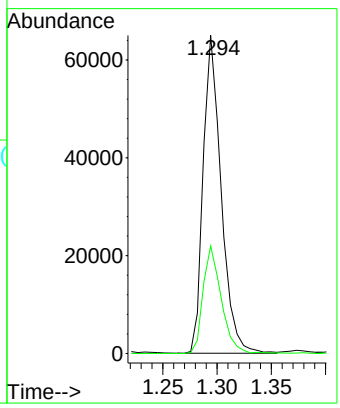





#3
Chloromethane
Concen: 51.788 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 50 Resp: 75165

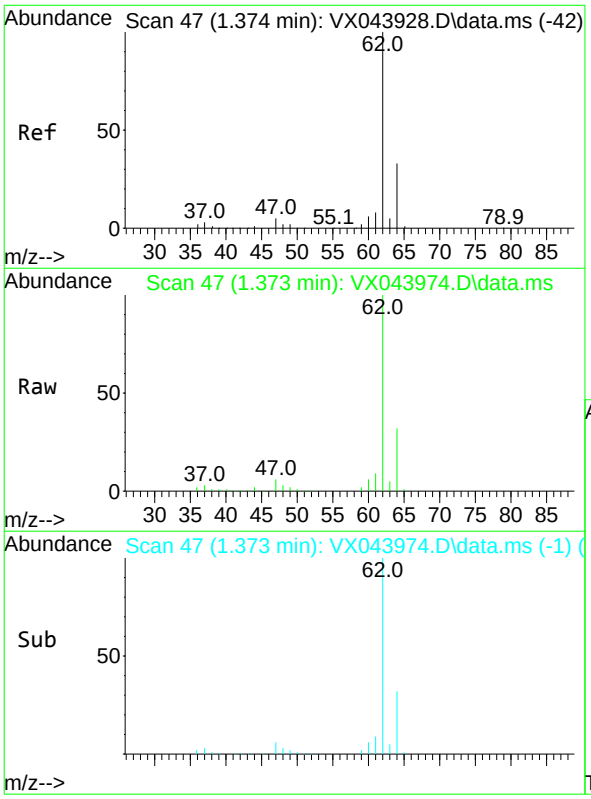
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

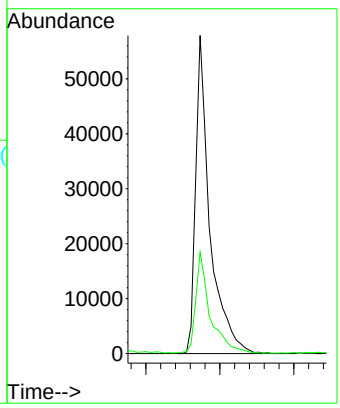
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

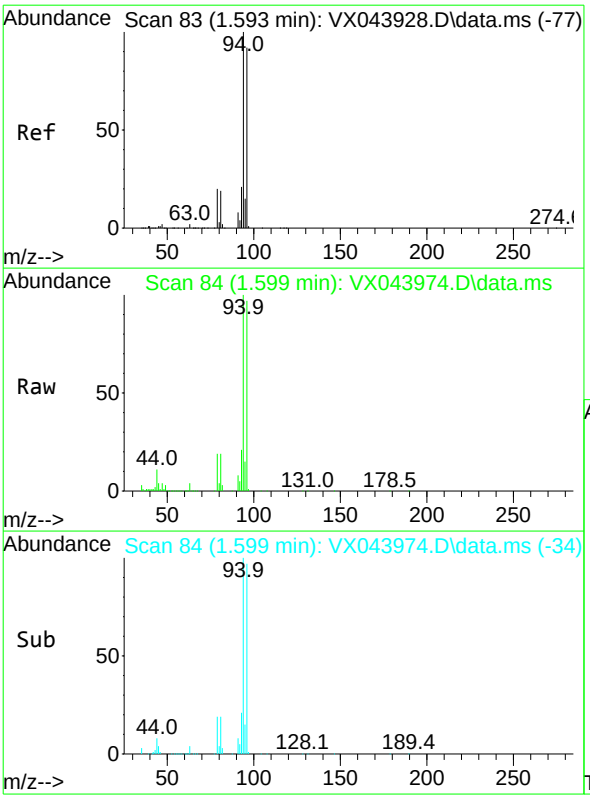



#4
Vinyl Chloride
Concen: 49.946 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 62 Resp: 77105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.2 | 39.4 |

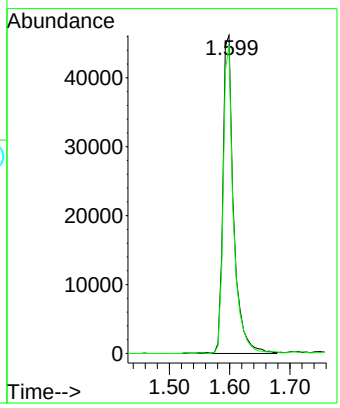





#5
Bromomethane
Concen: 60.345 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 94 Resp: 57309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.8 | 73.9 | 110.9 |




**Instrument :**
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BPOW6-10-20241119MSD

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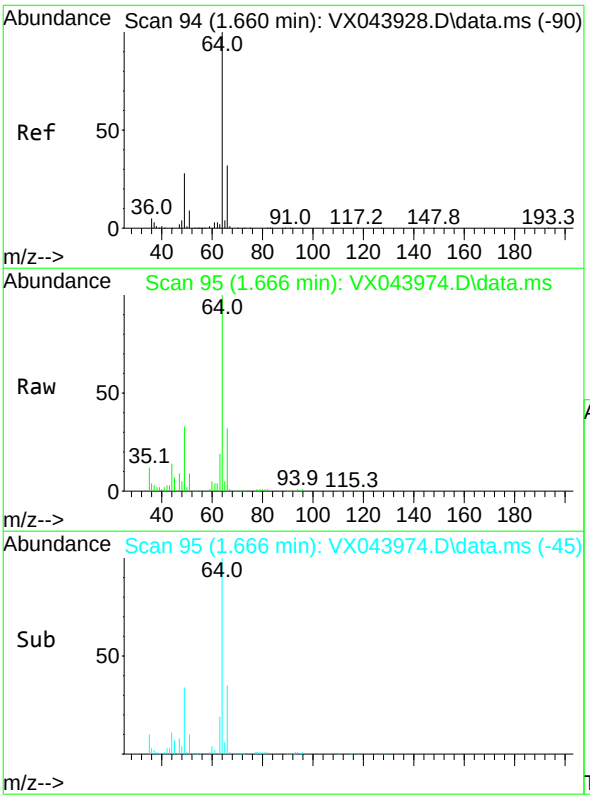
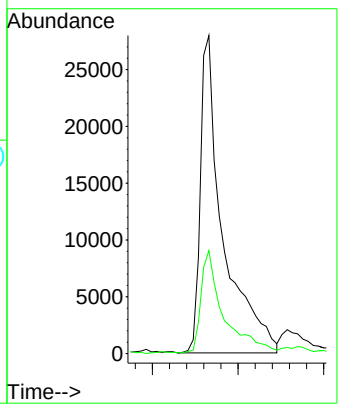
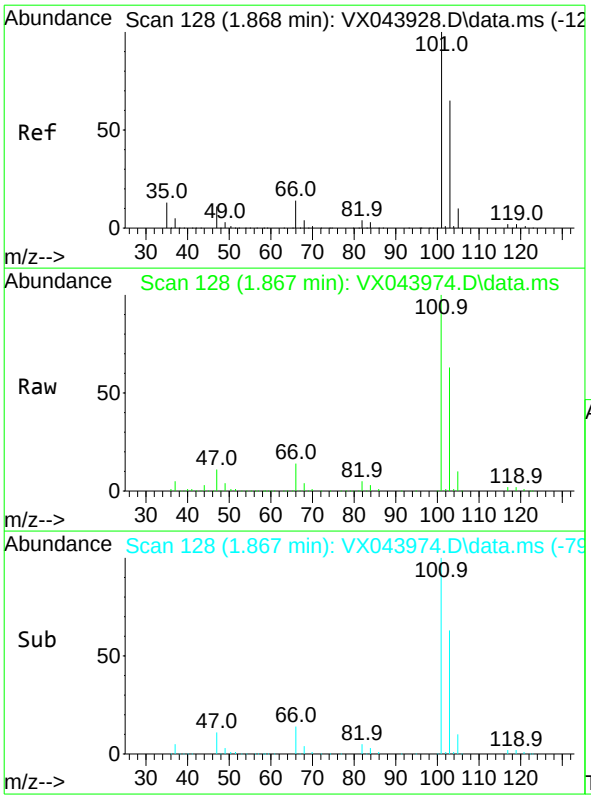



#6
Chloroethane
Concen: 54.179 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 64 Resp: 50965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.2 | 25.9 | 38.9 |

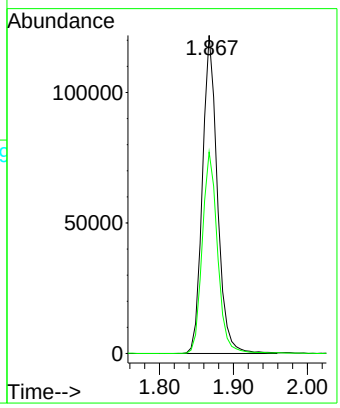





#7
Trichlorofluoromethane
Concen: 62.040 ug/l
RT: 1.867 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:101 Resp: 171231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.3 | 52.2 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

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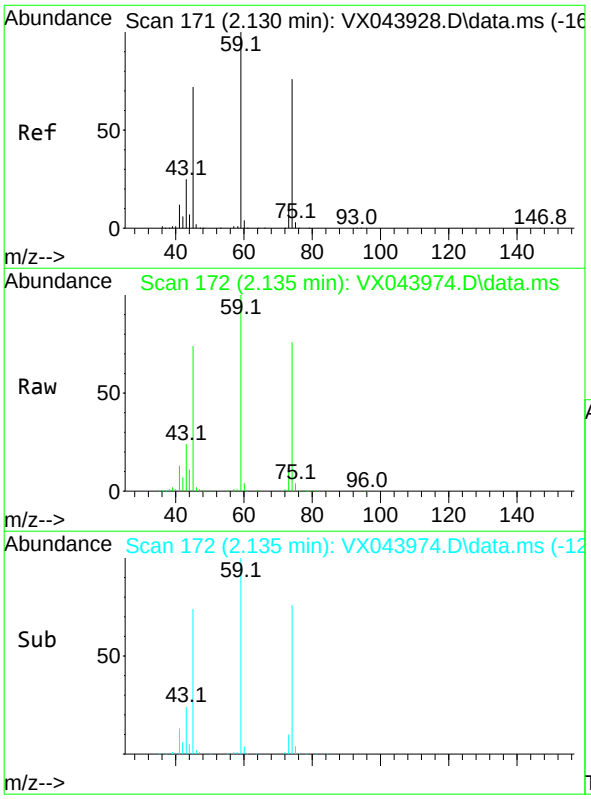
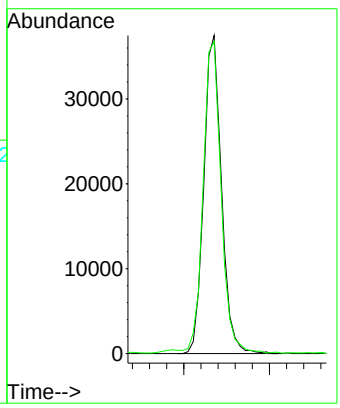
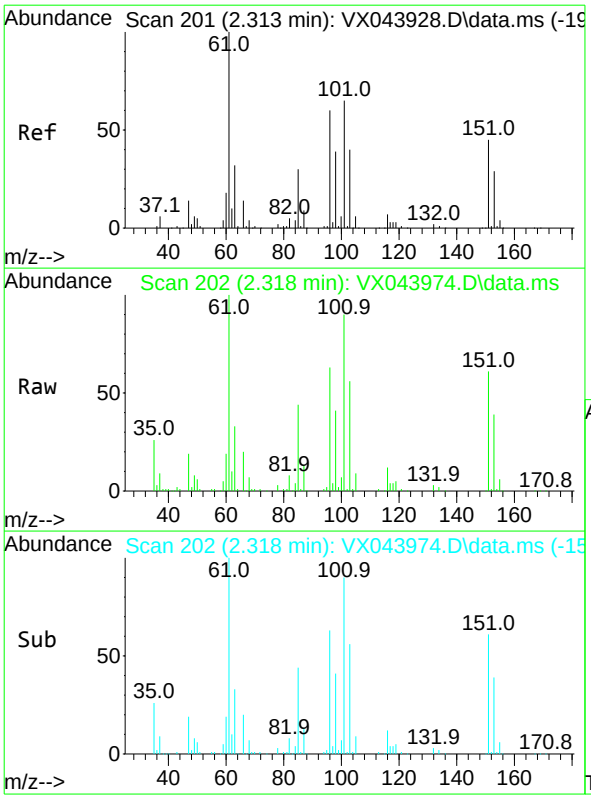



#8
Diethyl Ether
Concen: 53.376 ug/l
RT: 2.135 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 74 Resp: 53695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.2 | 47.9 | 143.6 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.559 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:101 Resp: 66563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.4 | 37.9 | 56.9 |
| 151 | 70.4 | 57.5 | 86.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

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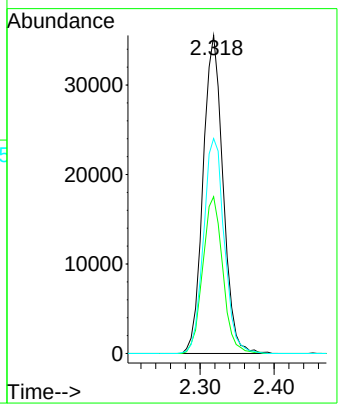
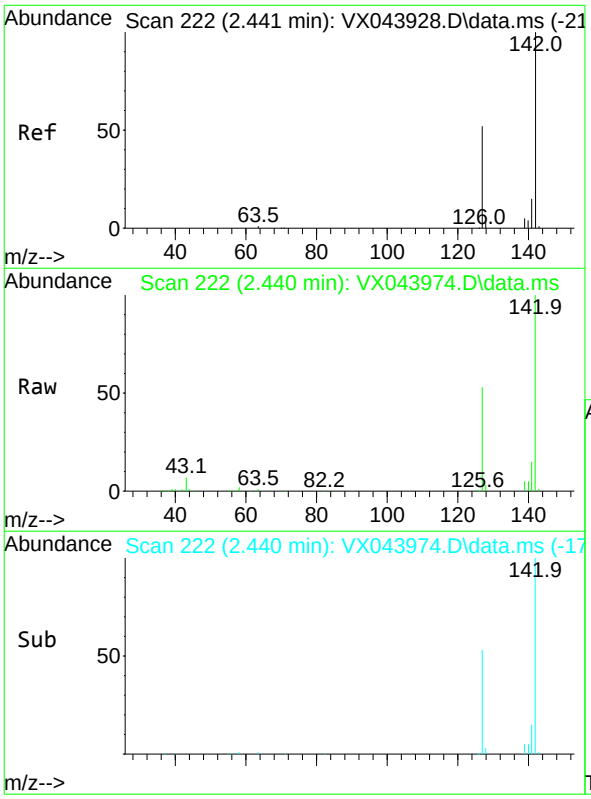
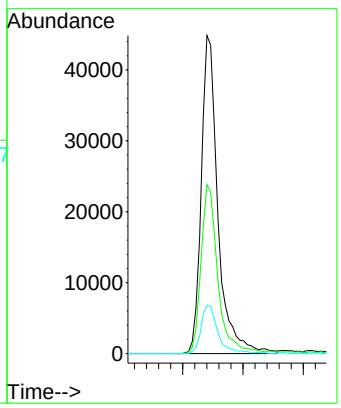


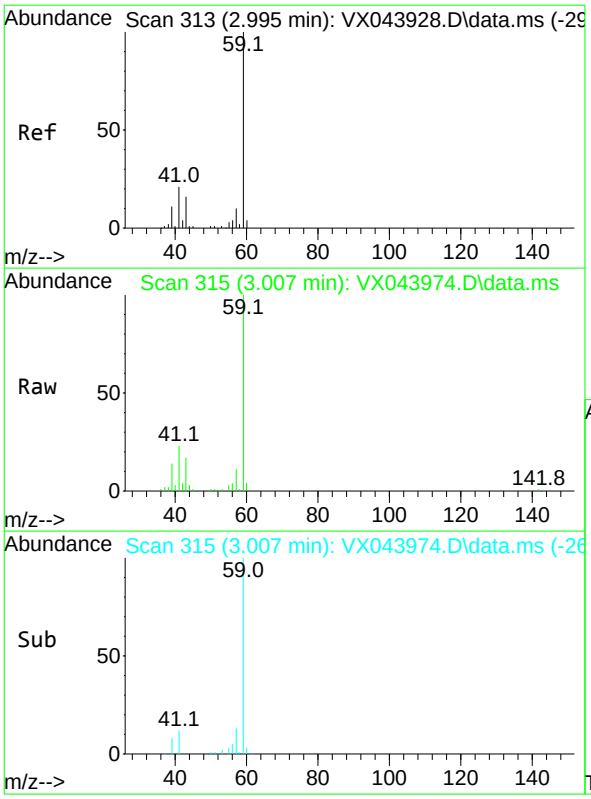




#10
Methyl Iodide
Concen: 52.284 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:142 Resp: 85969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.5 | 40.7 | 61.1 |
| 141 | 15.3 | 12.0 | 18.0 |






#11
Tert butyl alcohol
Concen: 238.937 ug/l
RT: 3.007 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 59 Resp: 71616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
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BPOW6-10-20241119MSD

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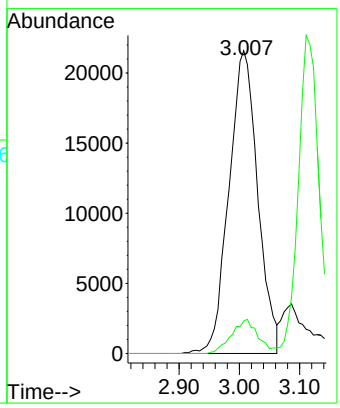
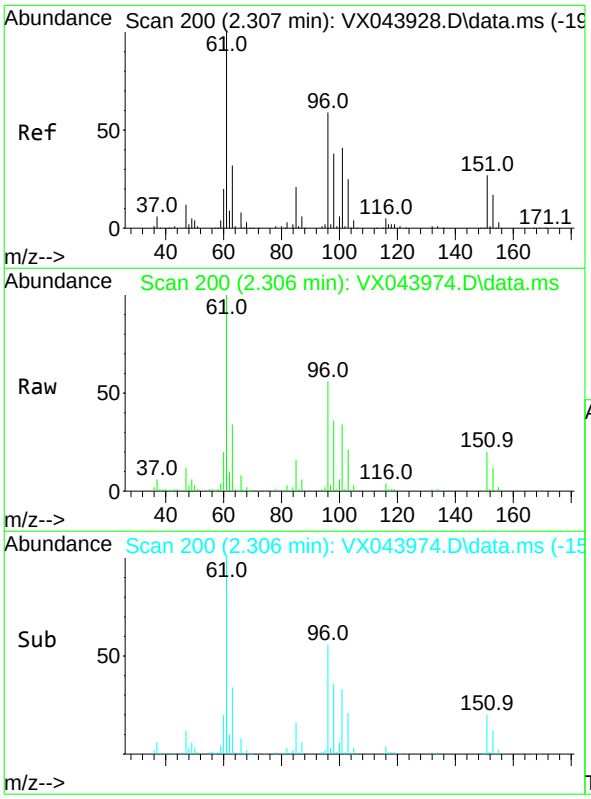
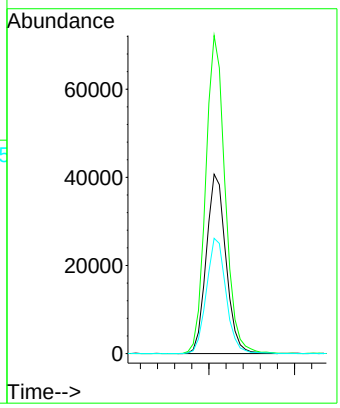


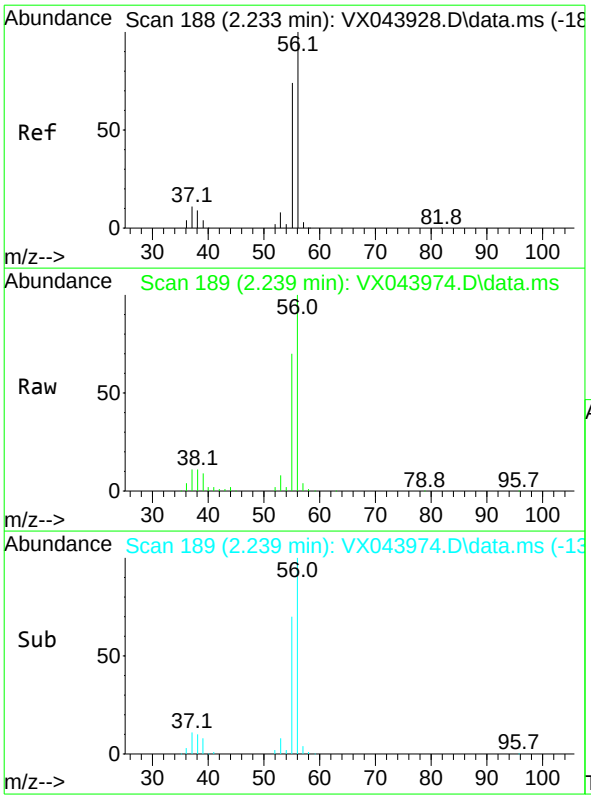




#12
1,1-Dichloroethene
Concen: 51.563 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 96 Resp: 64688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.3 | 135.5 | 203.3 |
| 98 | 64.3 | 50.8 | 76.2 |

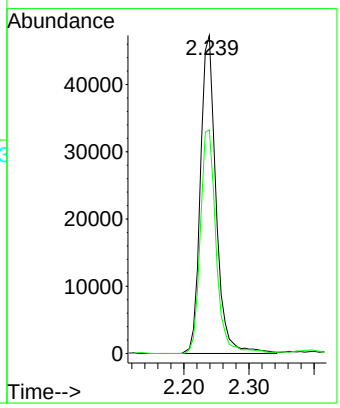





#13
Acrolein
Concen: 249.600 ug/l
RT: 2.239 min Scan# 18
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 56 Resp: 78855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 58.2 | 87.2 |

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MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

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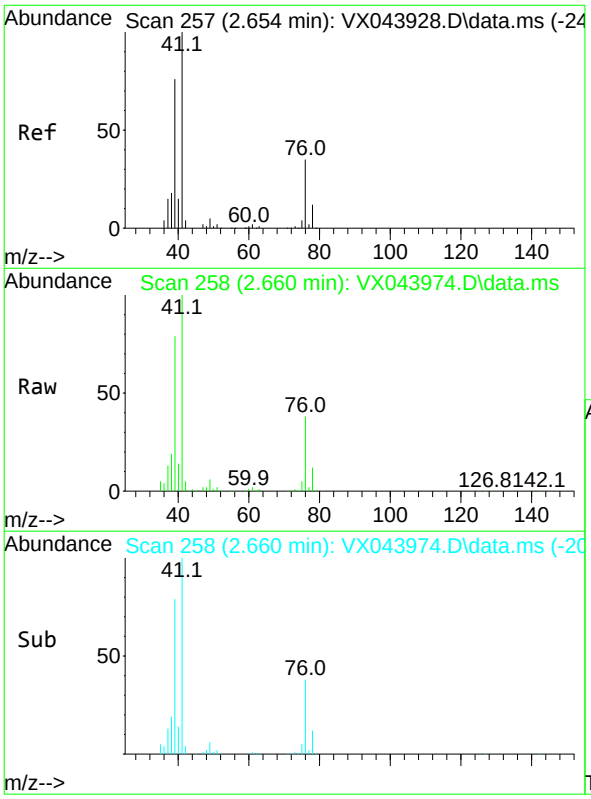
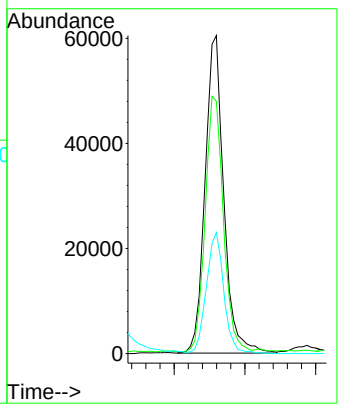
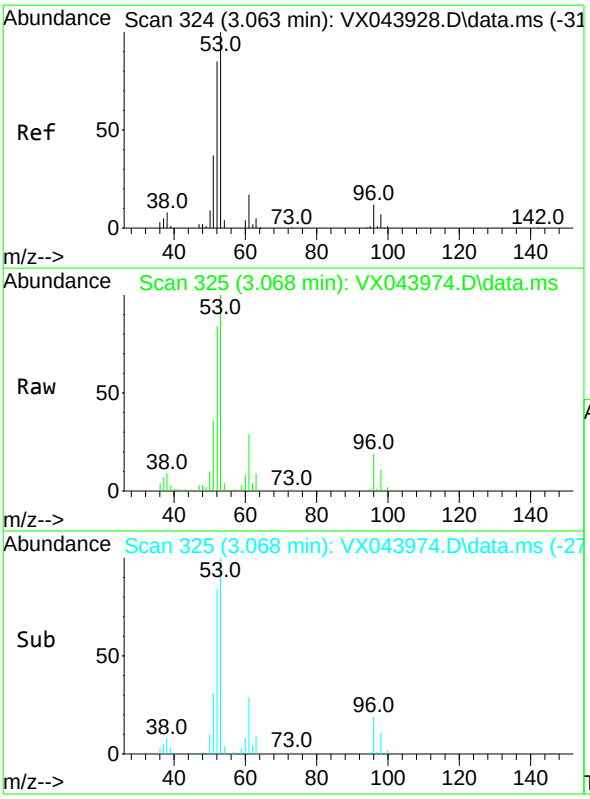



#14
Allyl chloride
Concen: 54.227 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 41 Resp: 111160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.3 | 59.5 | 89.3 |
| 76 | 35.8 | 27.4 | 41.2 |

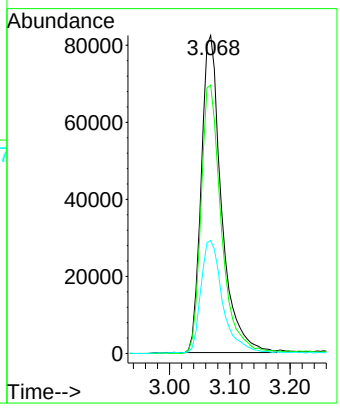





#15
Acrylonitrile
Concen: 263.027 ug/l
RT: 3.068 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 53 Resp: 192119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.4 | 66.5 | 99.7 |
| 51 | 39.1 | 30.2 | 45.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

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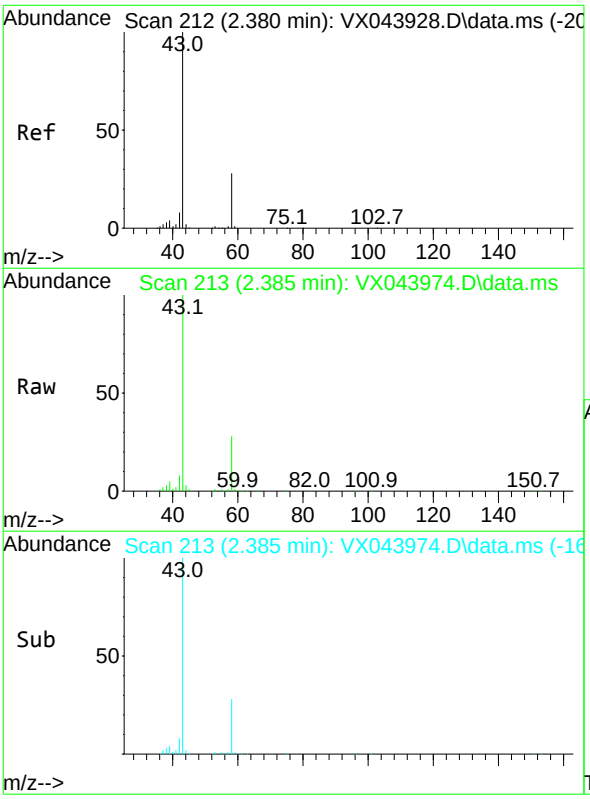
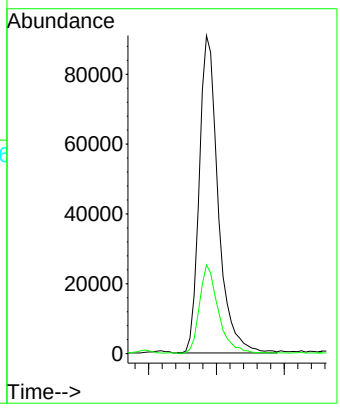
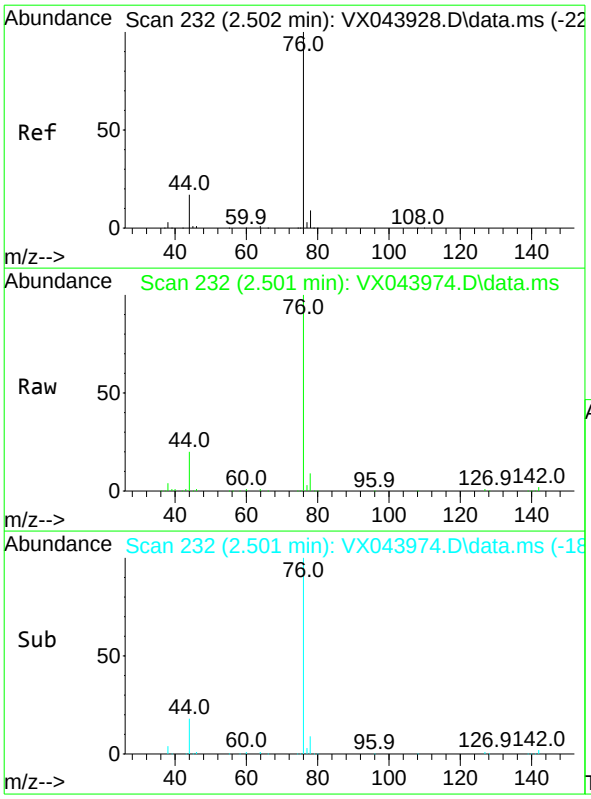



#16
Acetone
Concen: 205.355 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 176125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 22.7 | 34.1 |






#17
Carbon Disulfide
Concen: 49.096 ug/l
RT: 2.501 min Scan# 23
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 76 Resp: 127049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.6 |

**Instrument :**
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BPOW6-10-20241119MSD

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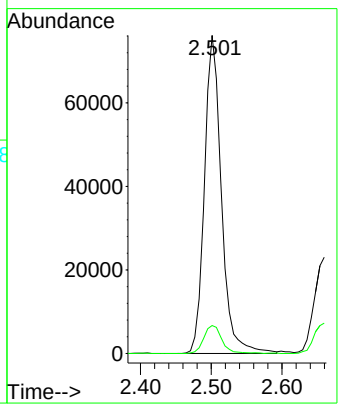
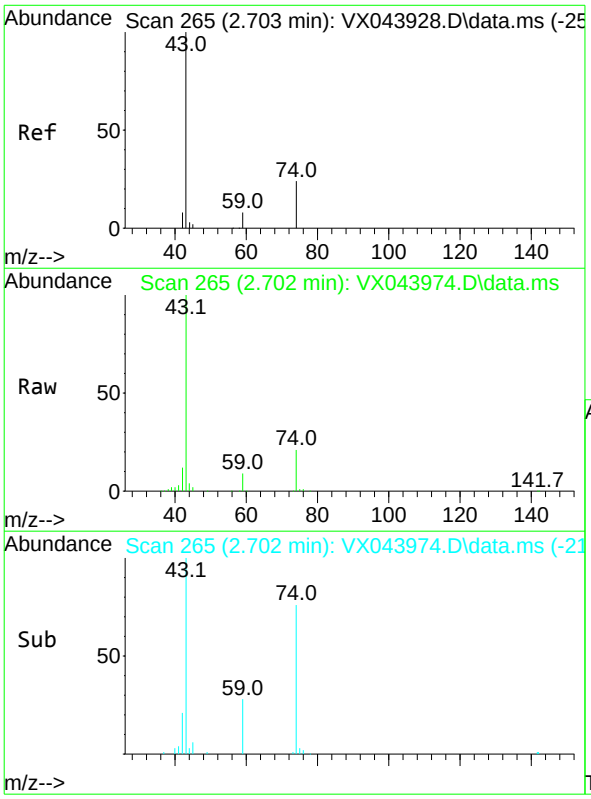
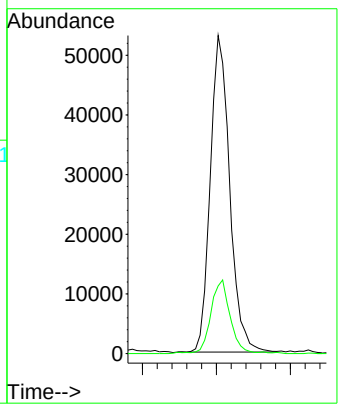


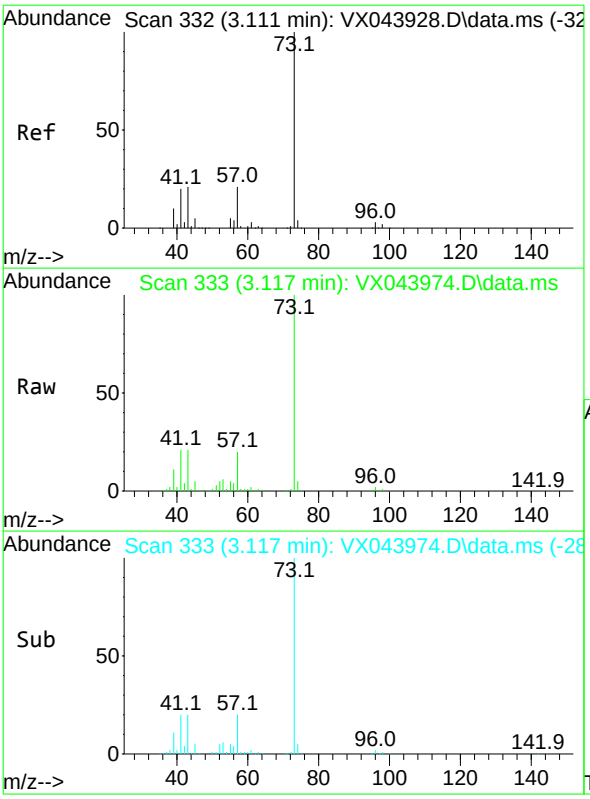




#18
Methyl Acetate
Concen: 48.481 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 96830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 18.9 | 28.3 |

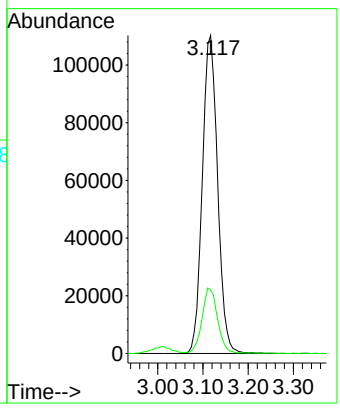





#19
Methyl tert-butyl Ether
Concen: 56.768 ug/l
RT: 3.117 min Scan# 33
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 73 Resp: 258587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.9 | 17.0 | 25.6 |

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**ClientSampleId :**
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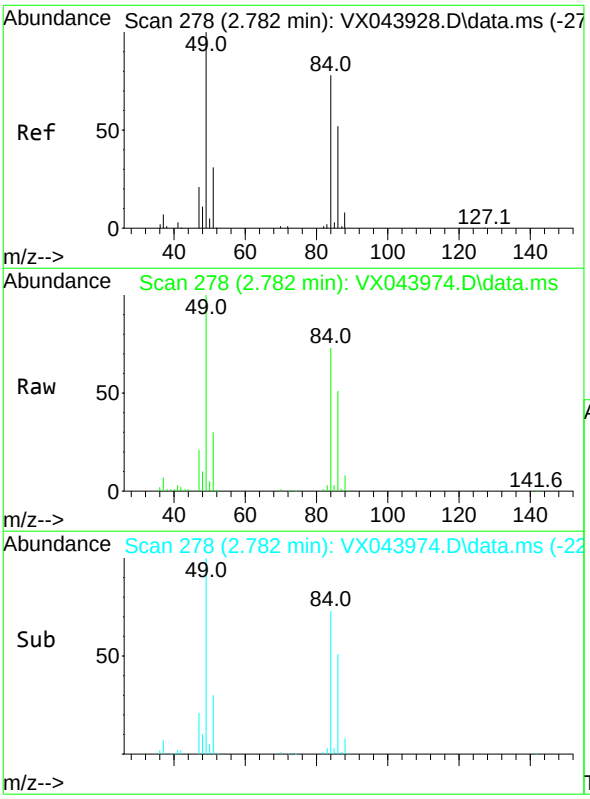
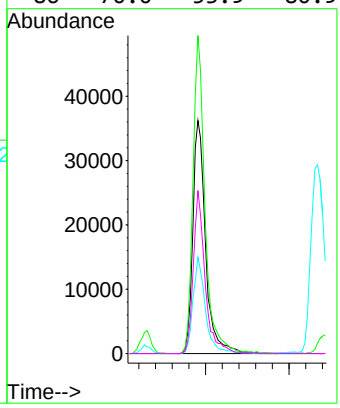
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

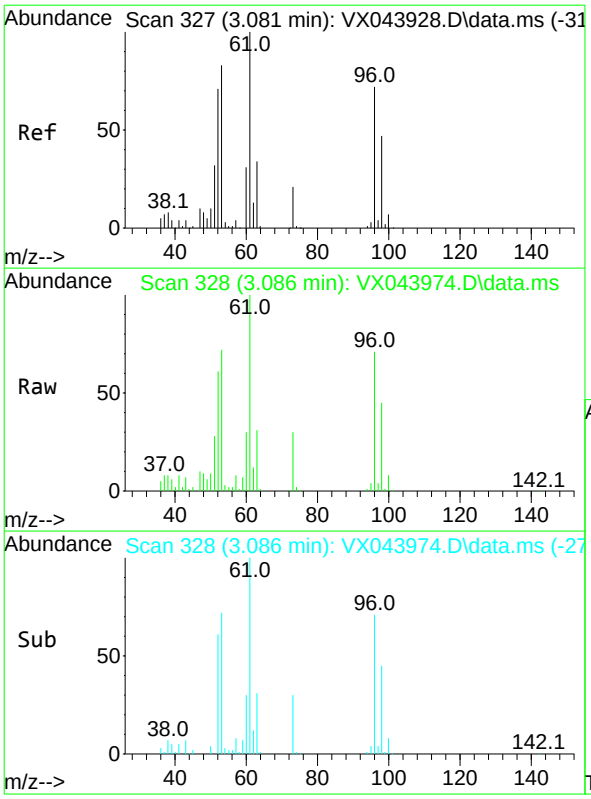



#20
Methylene Chloride
Concen: 52.927 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 84 Resp: 77032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.5 | 102.7 | 154.1 |
| 51 | 41.4 | 31.7 | 47.5 |
| 86 | 70.0 | 53.9 | 80.9 |






#21
trans-1,2-Dichloroethene
Concen: 55.060 ug/l
RT: 3.086 min Scan# 32
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

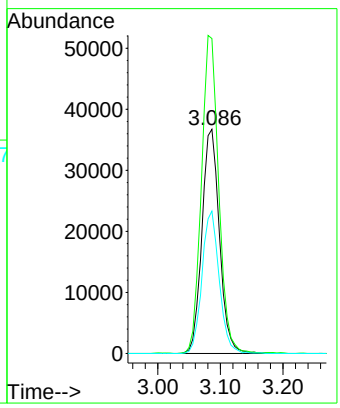
Tgt Ion: 96 Resp: 71315

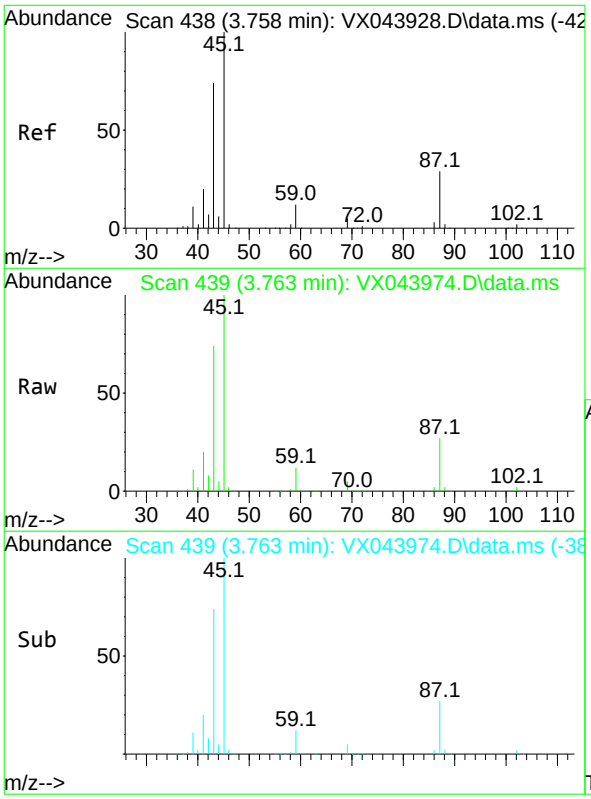
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 111.8 | 167.6 |
| 98 | 63.5 | 52.7 | 79.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

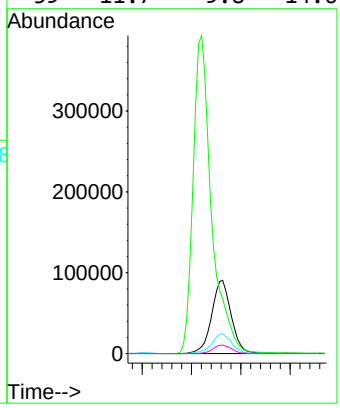


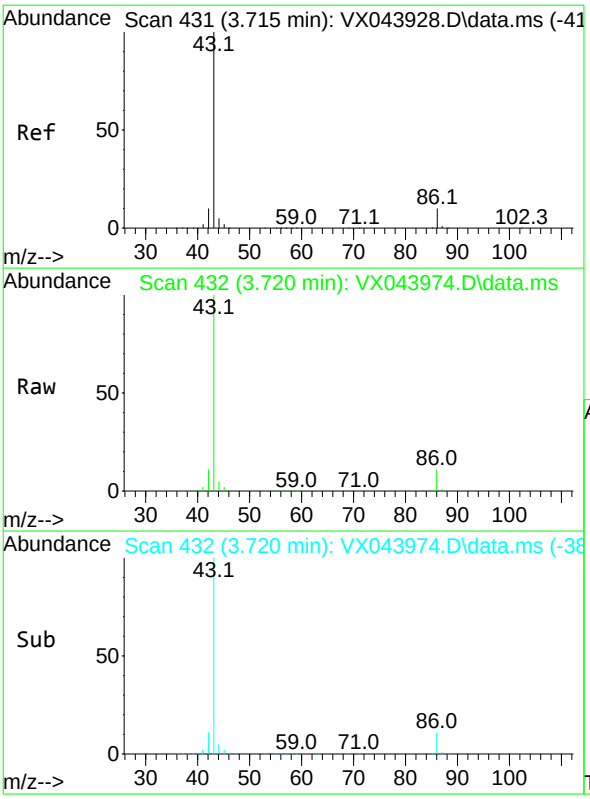




#22
Diisopropyl ether
Concen: 56.970 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 45 Resp: 249718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.9 | 59.6 | 89.4 |
| 87 | 27.3 | 22.9 | 34.3 |
| 59 | 11.7 | 9.8 | 14.6 |

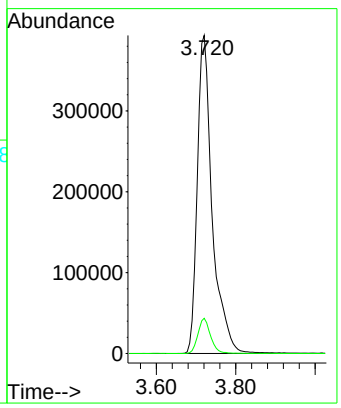





#23
Vinyl Acetate
Concen: 273.850 ug/l
RT: 3.720 min Scan# 43
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 1026851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.1 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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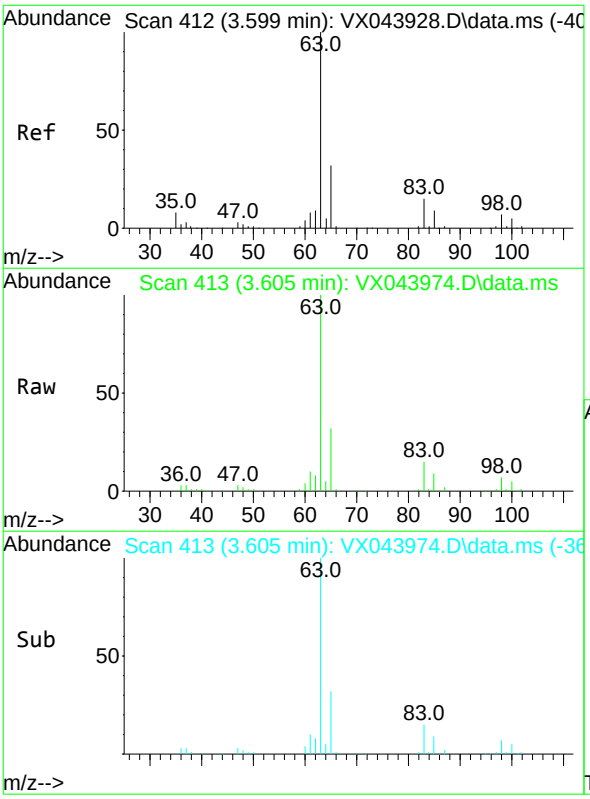
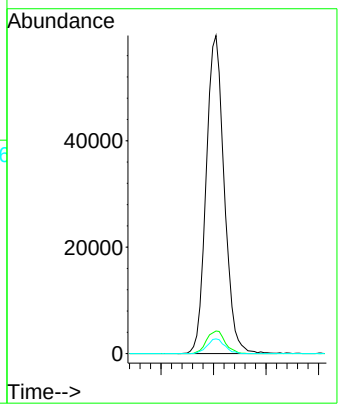
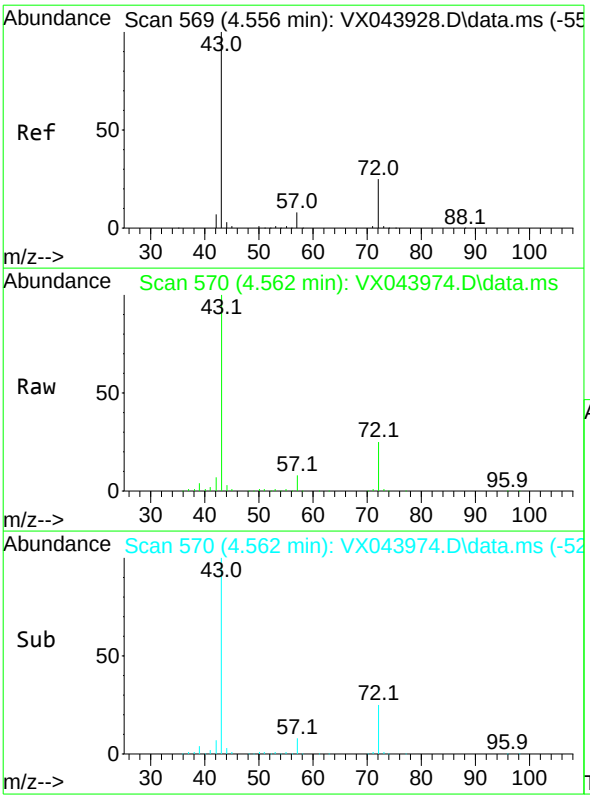



#24
1,1-Dichloroethane
Concen: 56.486 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 63 Resp: 142837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.5 | 10.6 |
| 100 | 4.6 | 2.4 | 7.1 |






#25
2-Butanone
Concen: 252.757 ug/l
RT: 4.562 min Scan# 57
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 279714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 20.2 | 30.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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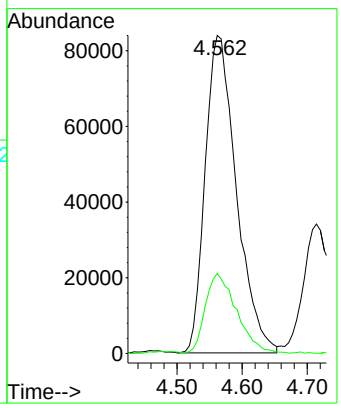
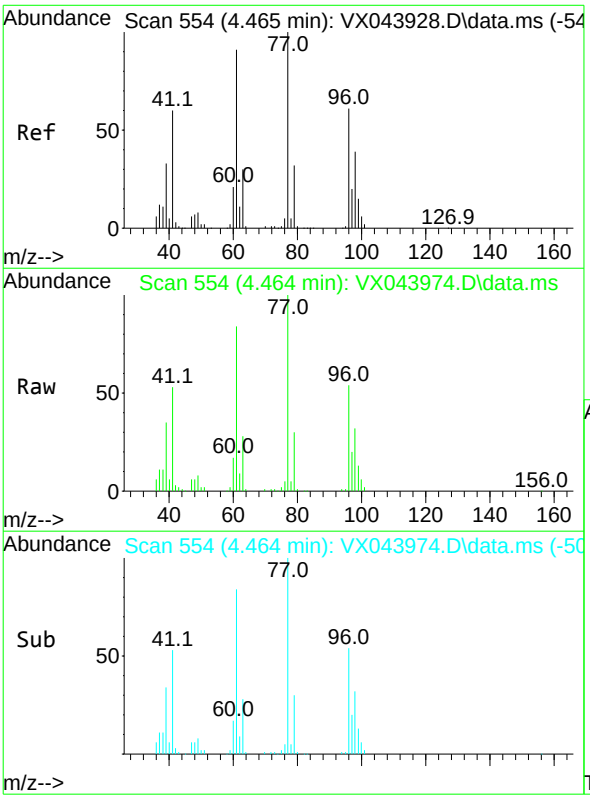
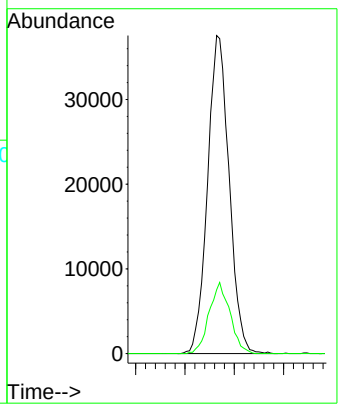


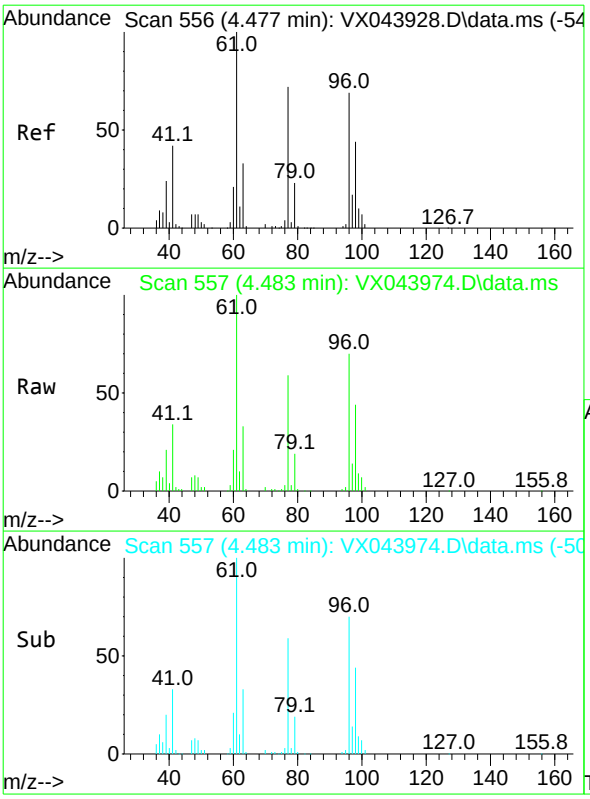




#26
2,2-Dichloropropane
Concen: 49.899 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 77 Resp: 113954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.8 | 32.3 |

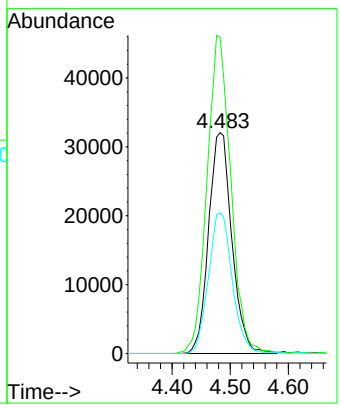





#27
cis-1,2-Dichloroethene
Concen: 55.657 ug/l
RT: 4.483 min Scan# 55
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 96 Resp: 89108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 297.4 |
| 98 | 65.2 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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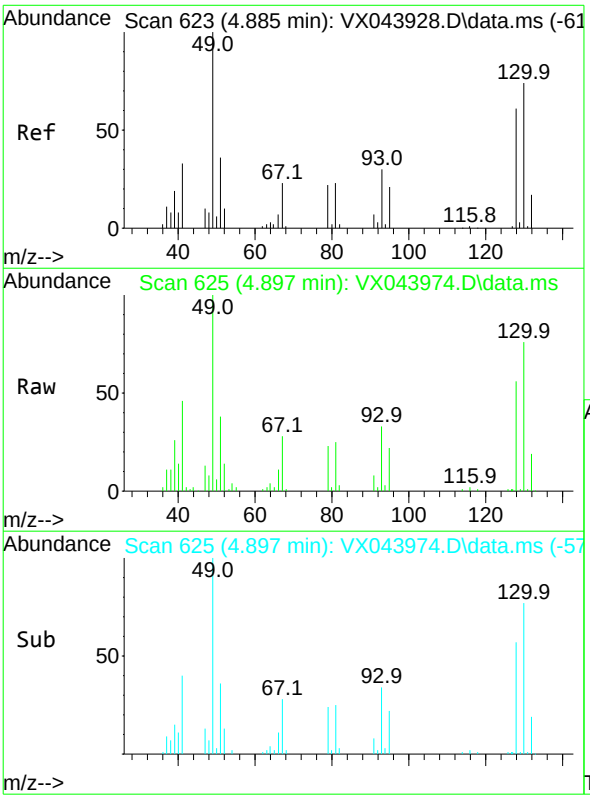
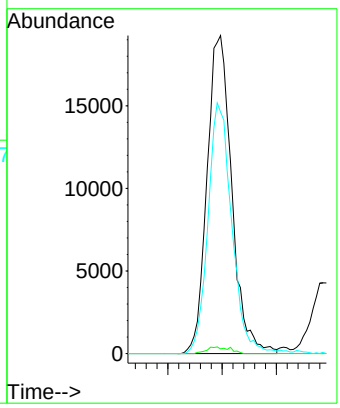
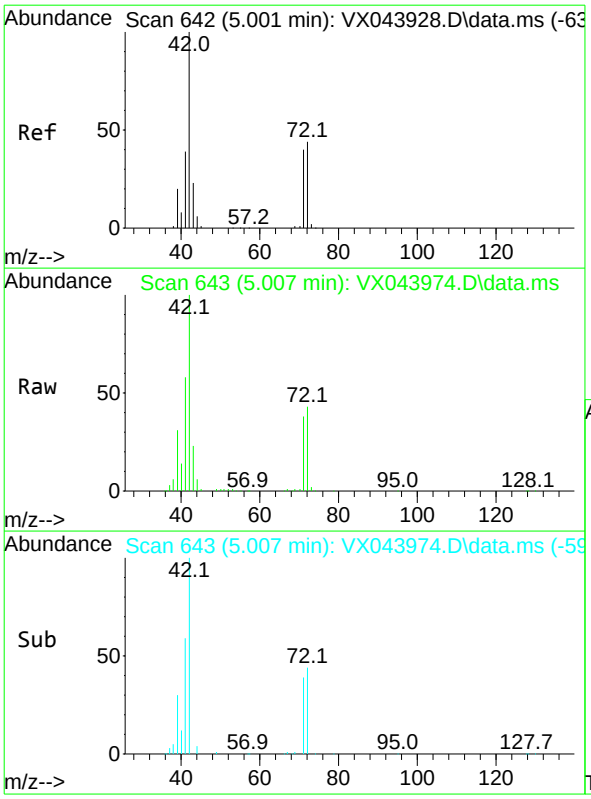



#28
Bromochloromethane
Concen: 54.782 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 49 Resp: 60976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 75.7 | 59.0 | 88.6 |

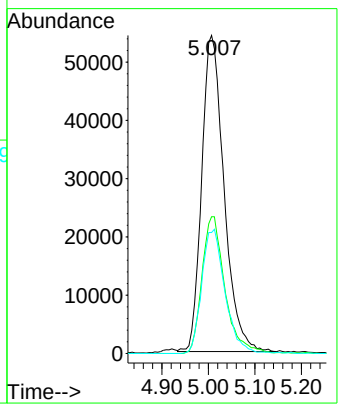





#29
Tetrahydrofuran
Concen: 266.878 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 42 Resp: 181063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.3 | 36.4 | 54.6 |
| 71 | 40.7 | 33.4 | 50.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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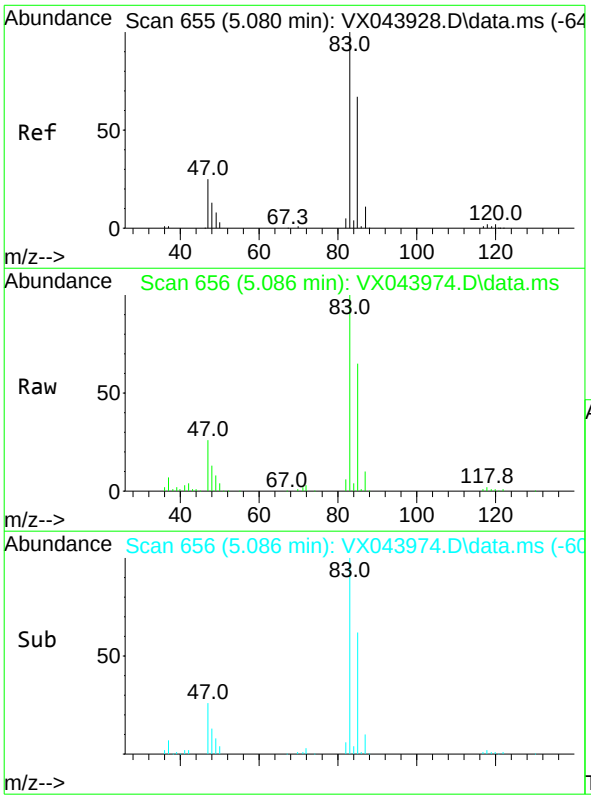
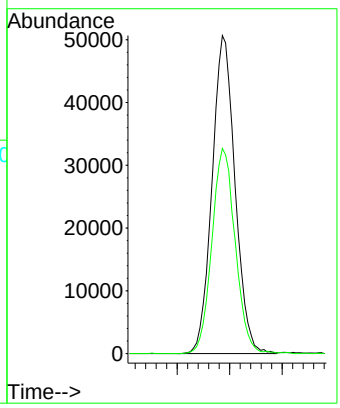
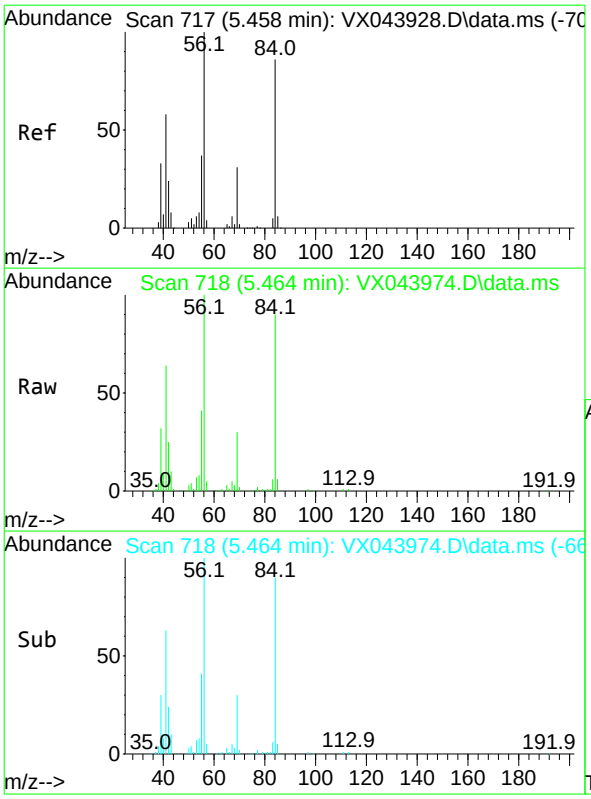



#30
Chloroform
Concen: 56.646 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 154062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 53.5 | 80.3 |






#31
Cyclohexane
Concen: 51.874 ug/l
RT: 5.464 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 56 Resp: 107961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.7 | 24.7 | 37.1 |
| 84 | 86.9 | 68.7 | 103.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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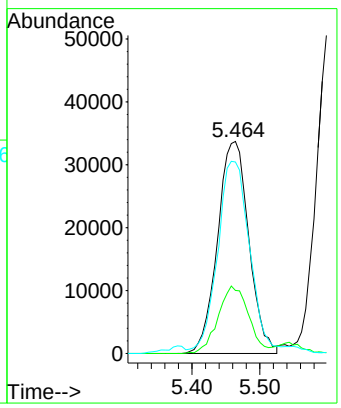
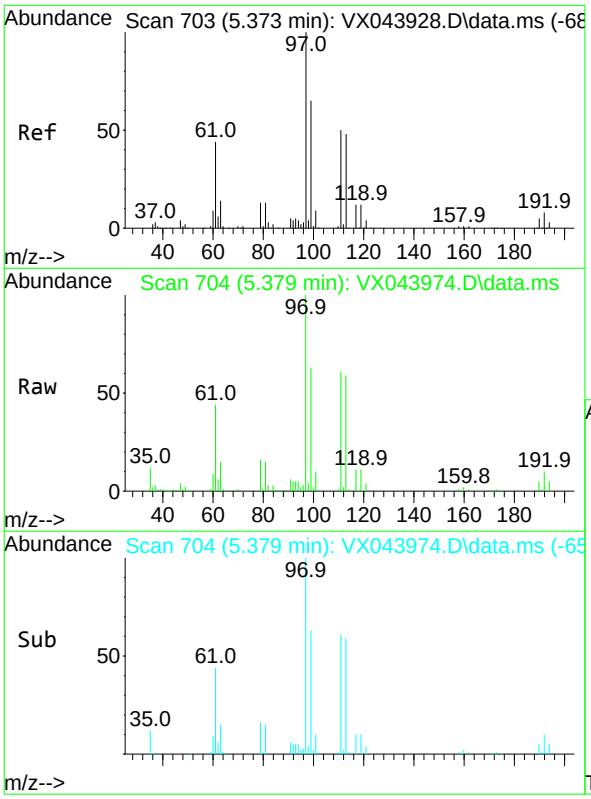
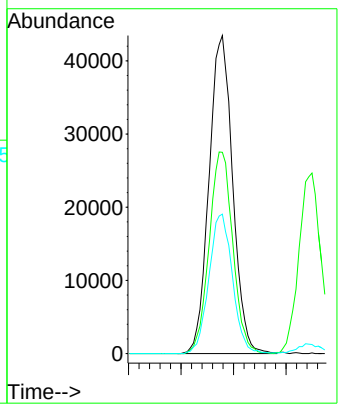


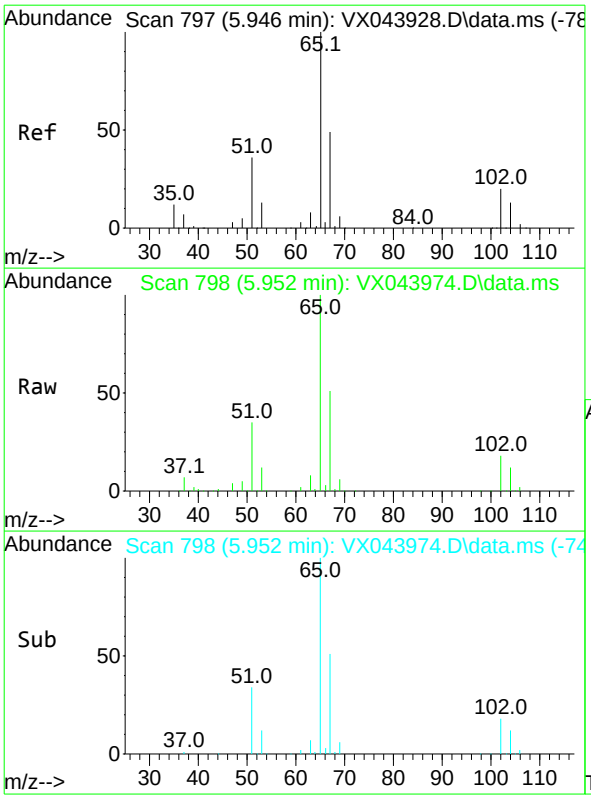




#32
1,1,1-Trichloroethane
Concen: 57.971 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 97 Resp: 135964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.8 | 76.2 |
| 61 | 43.7 | 35.4 | 53.2 |






#33
1,2-Dichloroethane-d4
Concen: 55.513 ug/l
RT: 5.952 min Scan# 79
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 65 Resp: 103662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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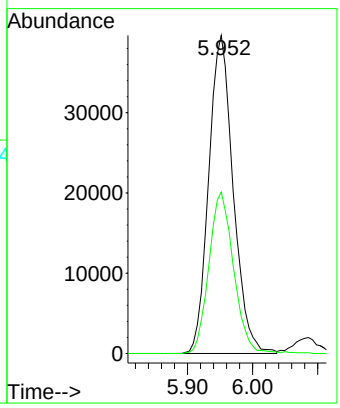
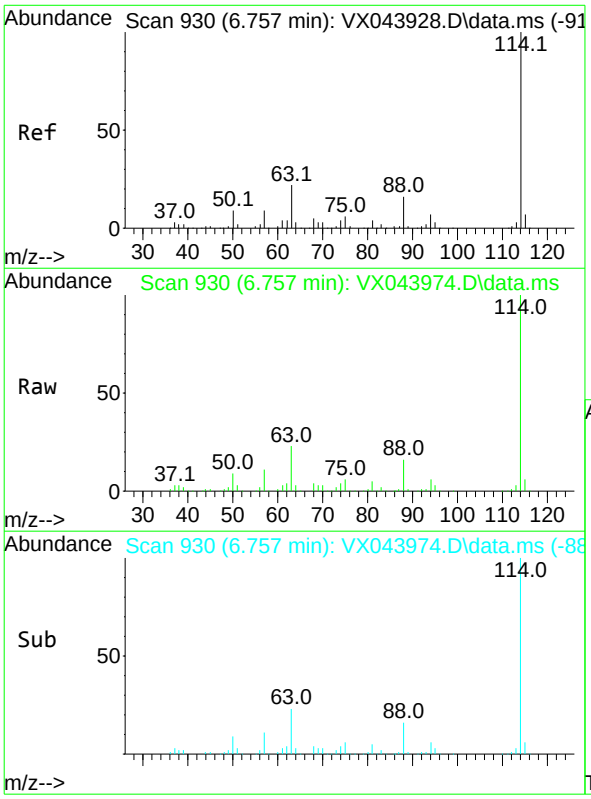
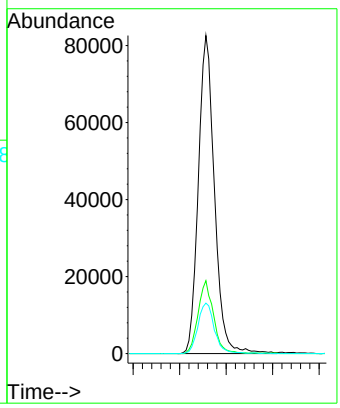


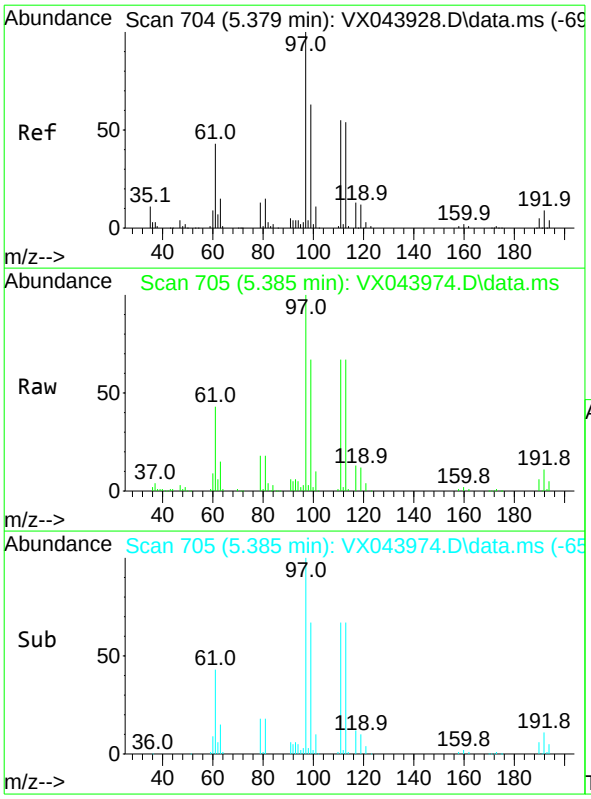




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:114 Resp: 198897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 32.4 |

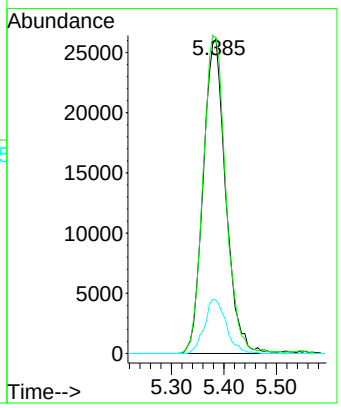





#35
Dibromofluoromethane
Concen: 54.678 ug/l
RT: 5.385 min Scan# 70
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:113 Resp: 77710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 81.0 | 121.4 |
| 192 | 16.7 | 13.0 | 19.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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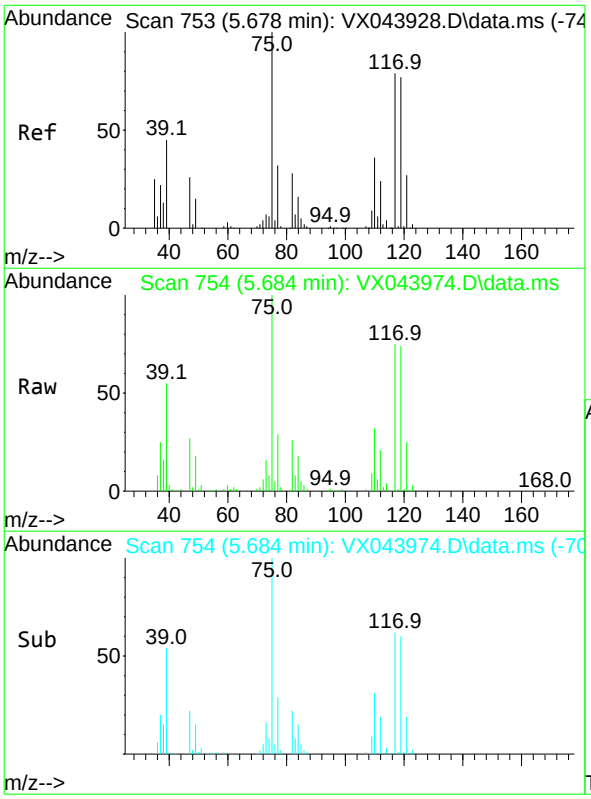
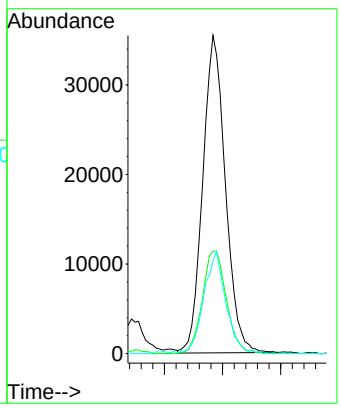
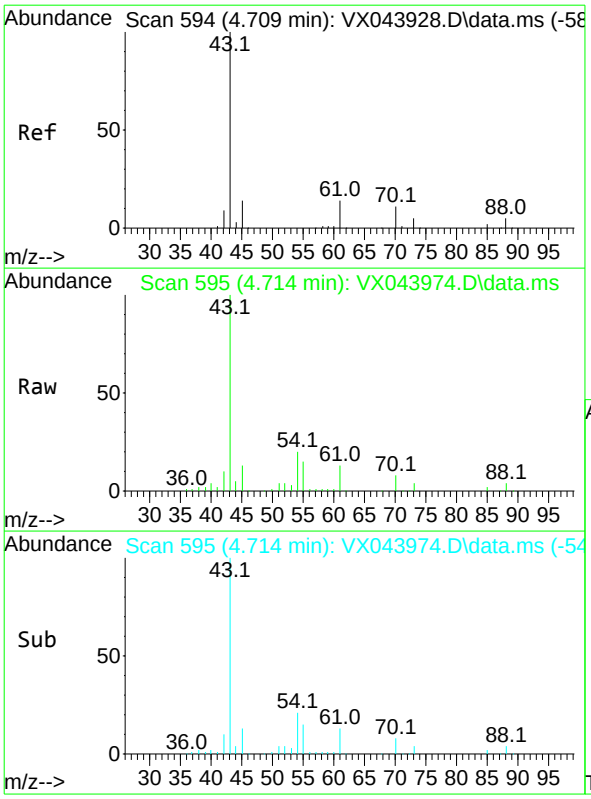



#36
1,1-Dichloropropene
Concen: 54.176 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 95946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.2 |
| 77 | 31.5 | 25.8 | 38.8 |

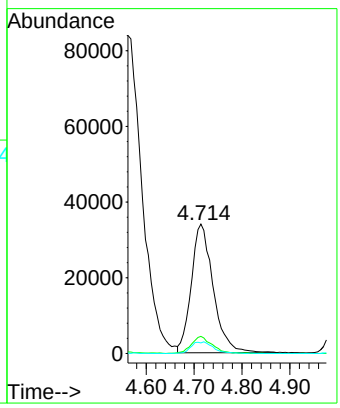





#37
Ethyl Acetate
Concen: 49.078 ug/l
RT: 4.714 min Scan# 59
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 107894

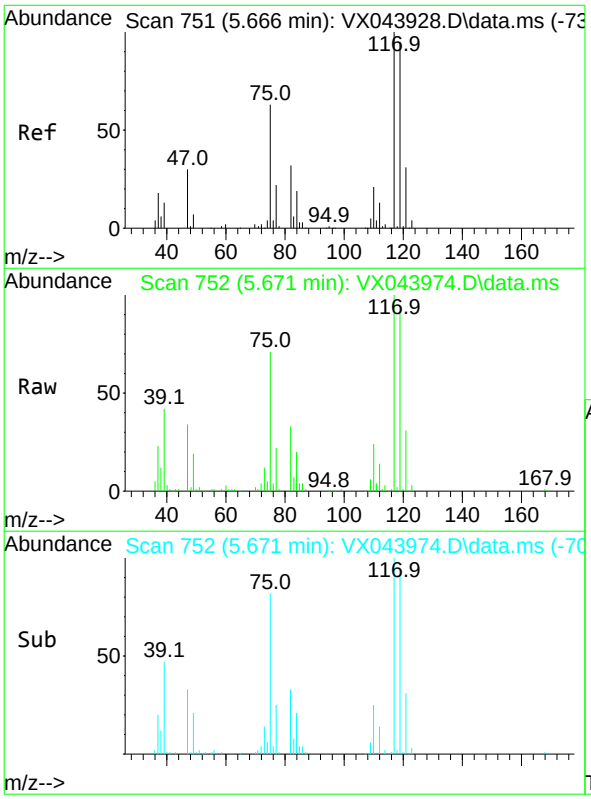
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.7 | 16.1 |
| 70 | 9.1 | 8.0 | 12.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

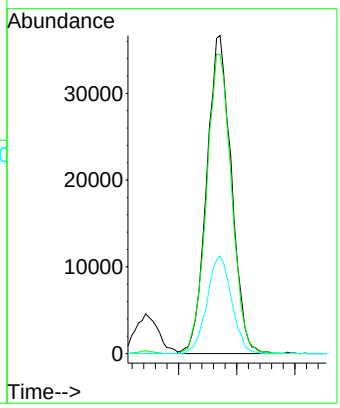
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

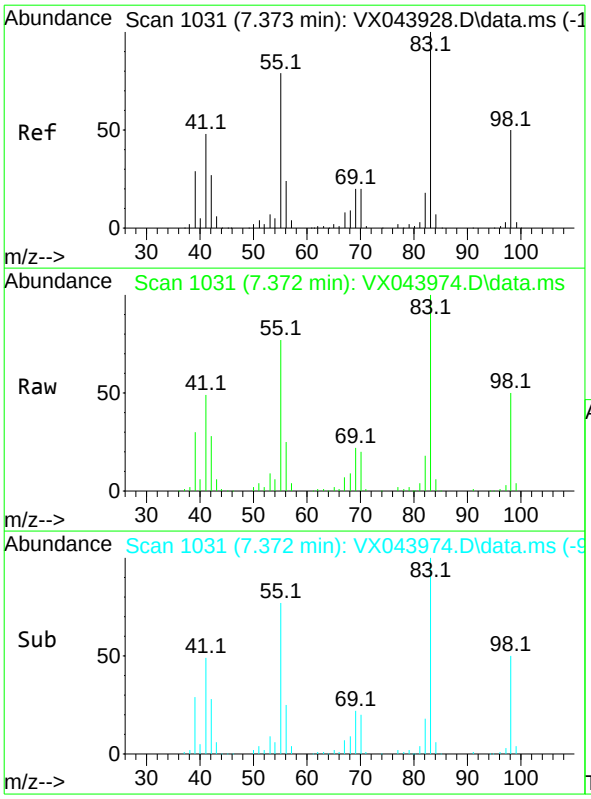



#38
Carbon Tetrachloride
Concen: 54.272 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:117 Resp: 108000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.7 | 24.5 | 36.7 |






#39
Methylcyclohexane
Concen: 50.352 ug/l
RT: 7.372 min Scan# 10
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 115848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 63.1 | 94.7 |
| 98 | 50.1 | 40.0 | 60.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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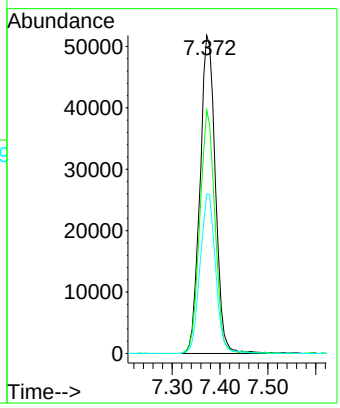
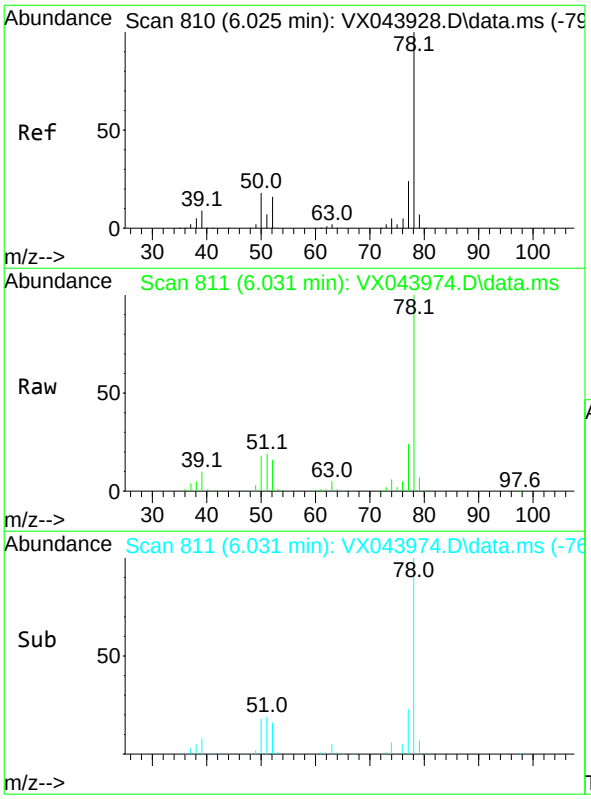
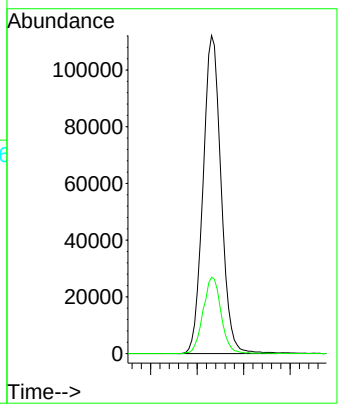


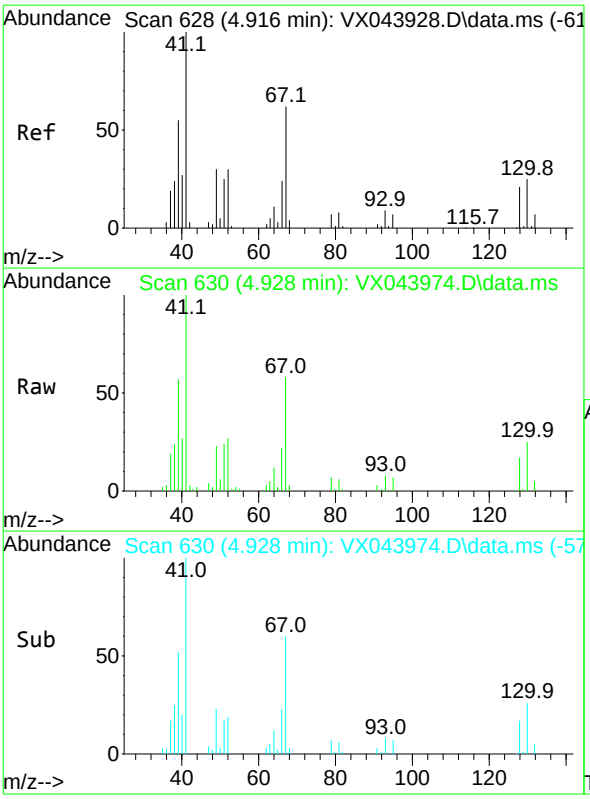




#40
Benzene
Concen: 54.777 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 78 Resp: 302182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |

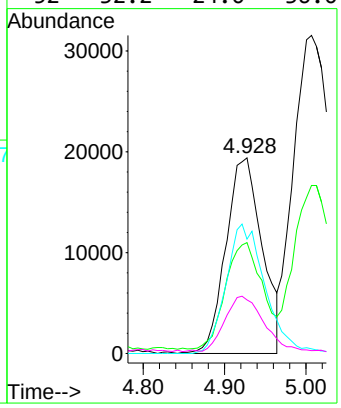





#41
Methacrylonitrile
Concen: 53.476 ug/l
RT: 4.928 min Scan# 63
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 41 Resp: 60170

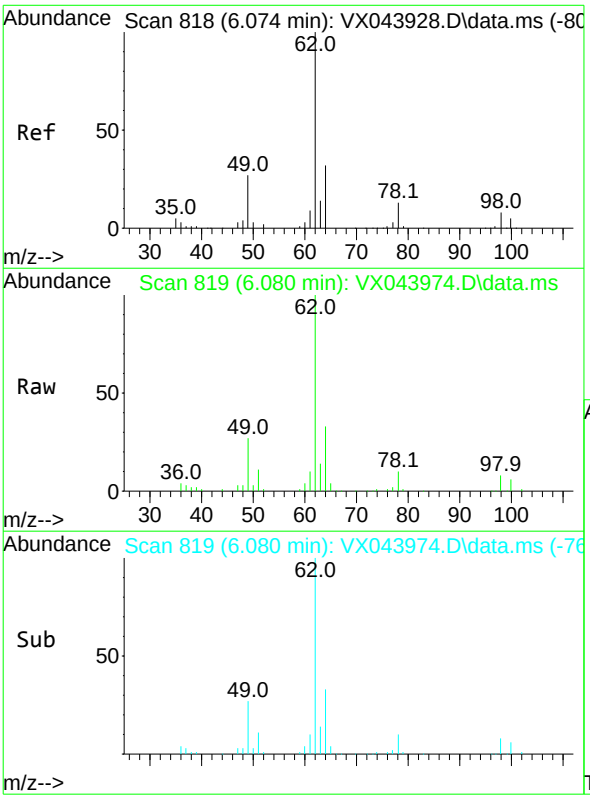
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.6 | 41.7 | 62.5 |
| 67 | 71.3 | 55.8 | 83.8 |
| 52 | 32.2 | 24.0 | 36.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

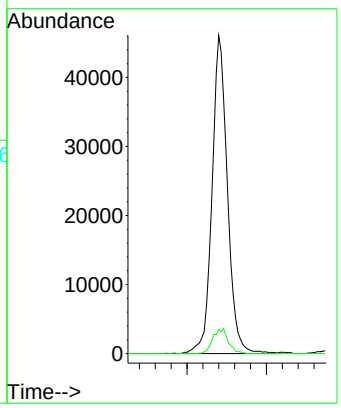
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

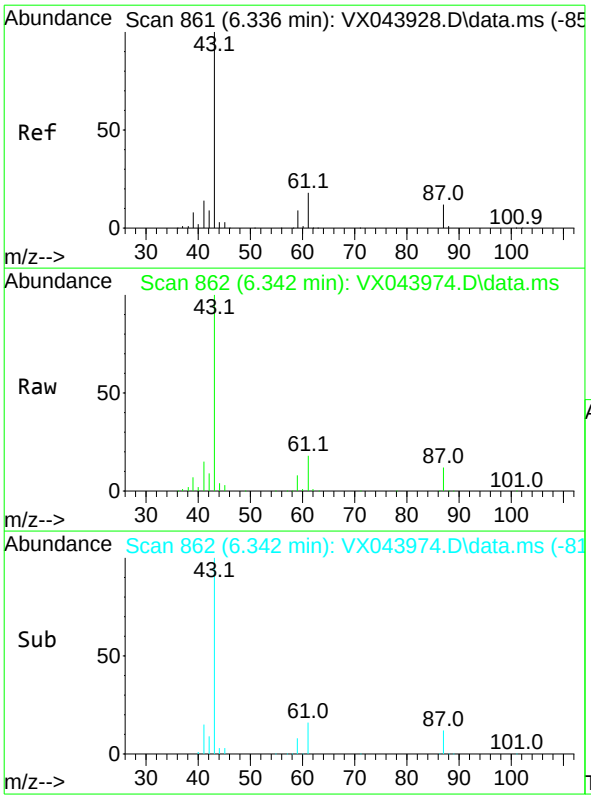



#42
1,2-Dichloroethane
Concen: 55.949 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 62 Resp: 123960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 16.4 |

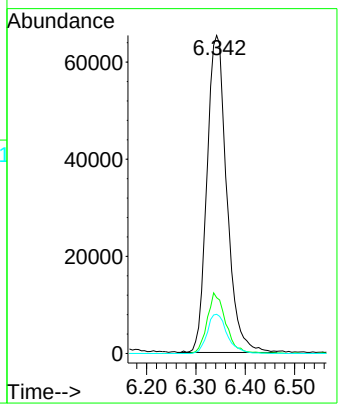





#43
Isopropyl Acetate
Concen: 52.005 ug/l
RT: 6.342 min Scan# 86
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 181947

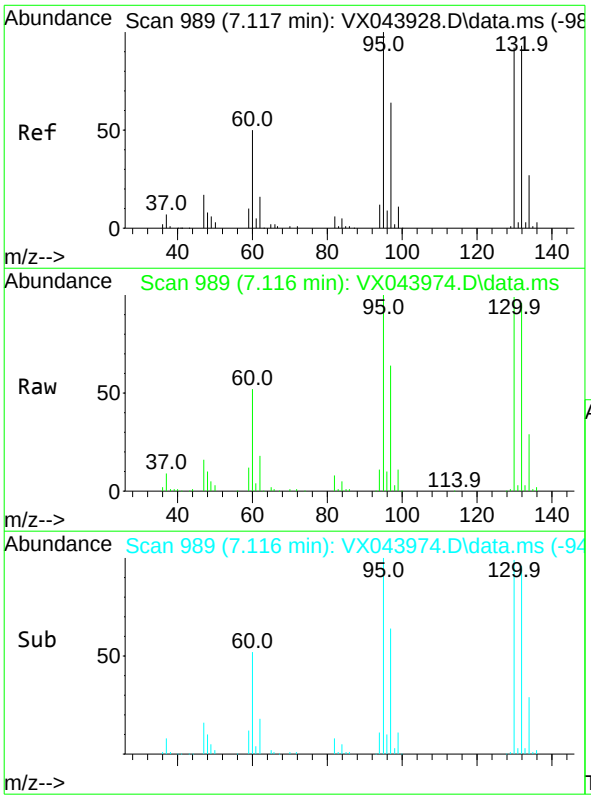
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 12.5 | 10.2 | 15.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

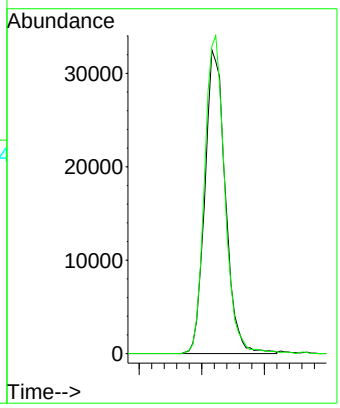
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

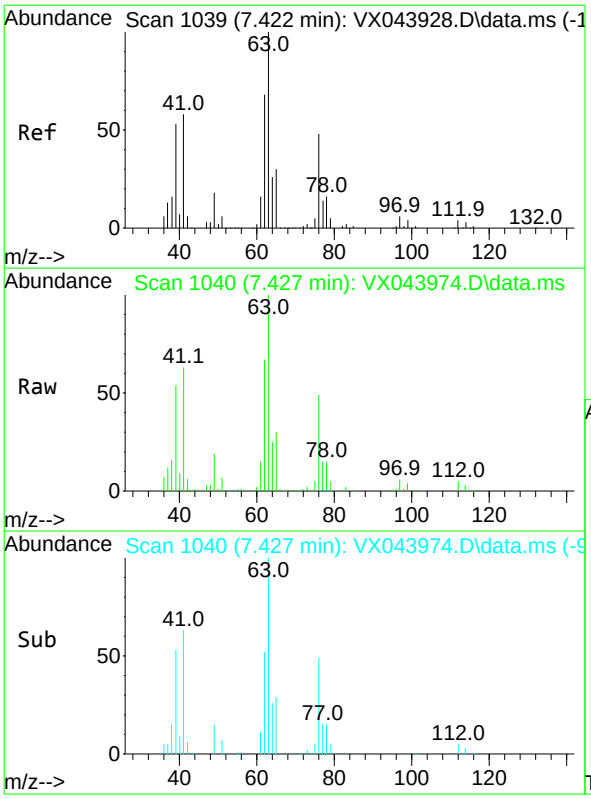



#44
Trichloroethene
Concen: 47.323 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:130 Resp: 73903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.3 | 0.0 | 217.8 |






#45
1,2-Dichloropropane
Concen: 57.508 ug/l
RT: 7.427 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 63 Resp: 77701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 23.8 | 35.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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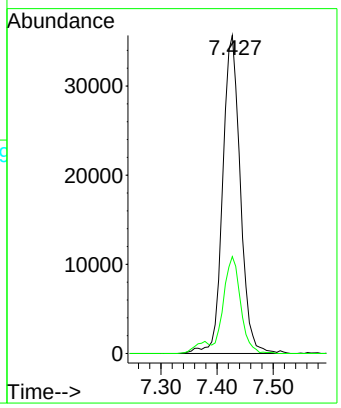
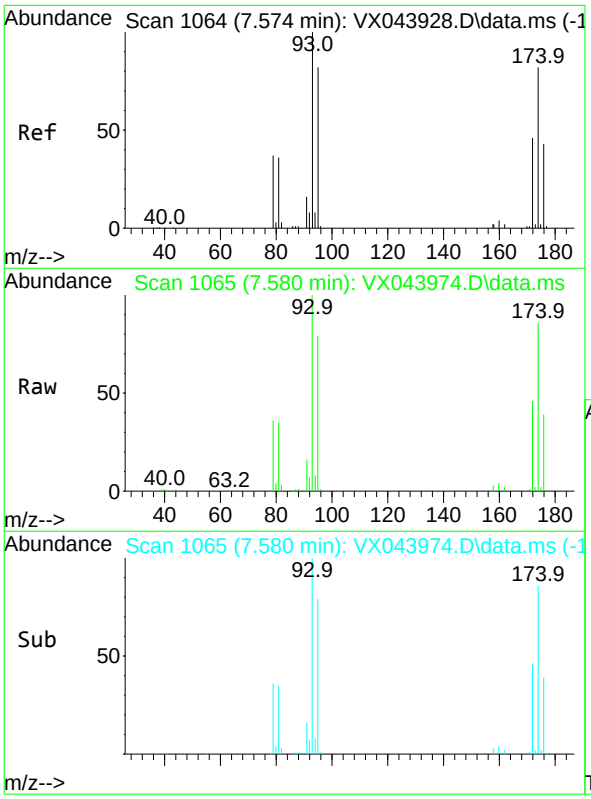
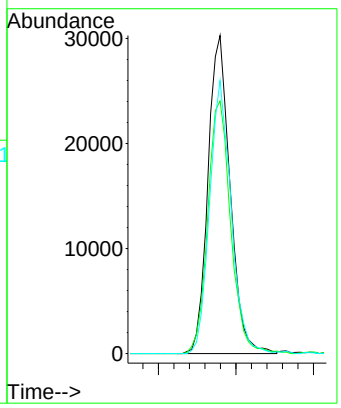


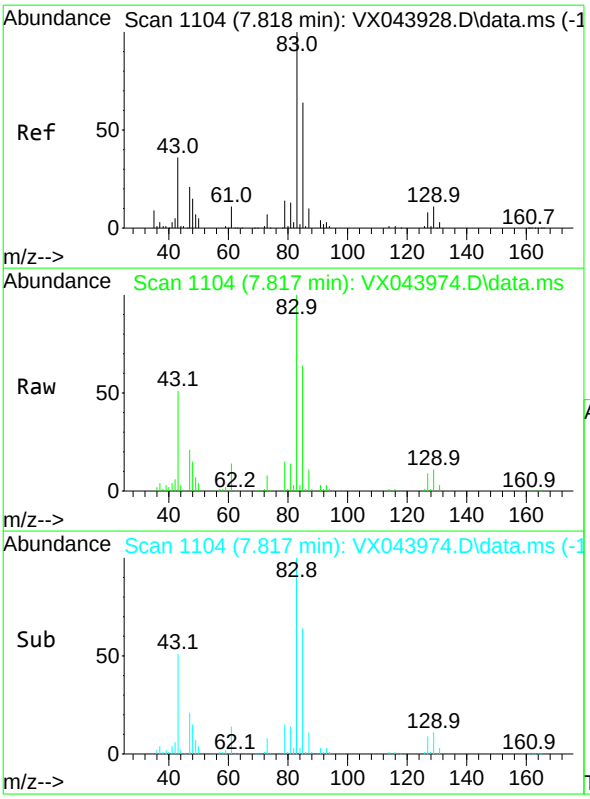




#46
Dibromomethane
Concen: 56.131 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 93 Resp: 59993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.2 | 99.4 |
| 174 | 83.5 | 69.6 | 104.4 |

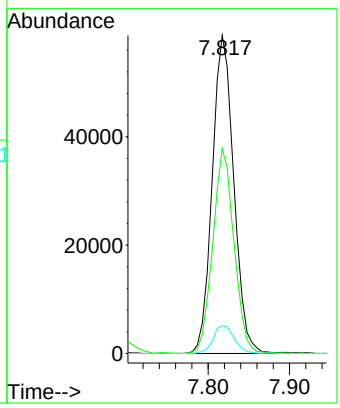





#47
Bromodichloromethane
Concen: 56.275 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 107873

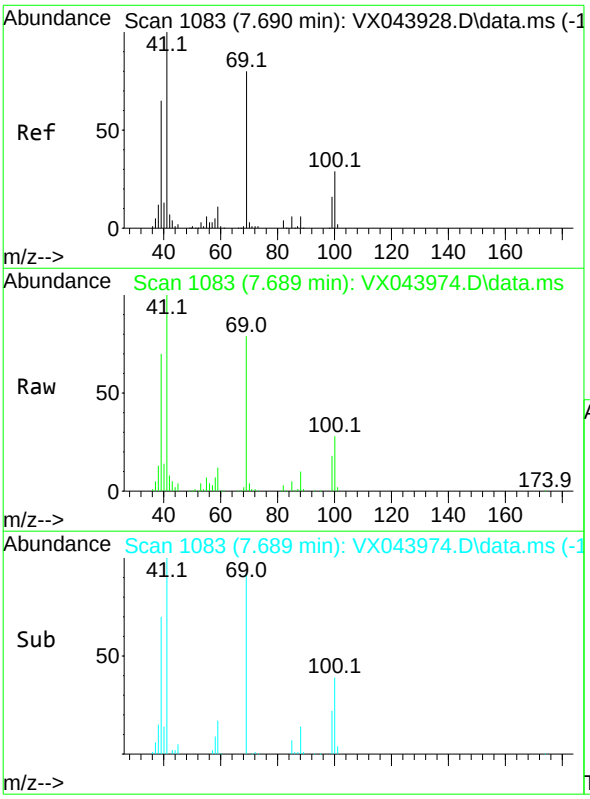
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.0 |
| 127 | 8.7 | 6.6 | 10.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

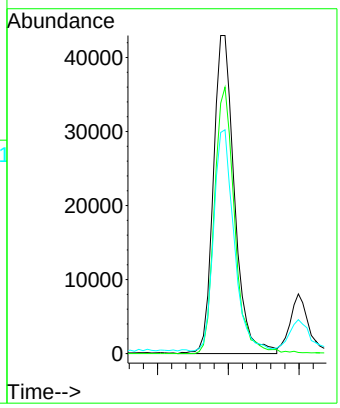
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

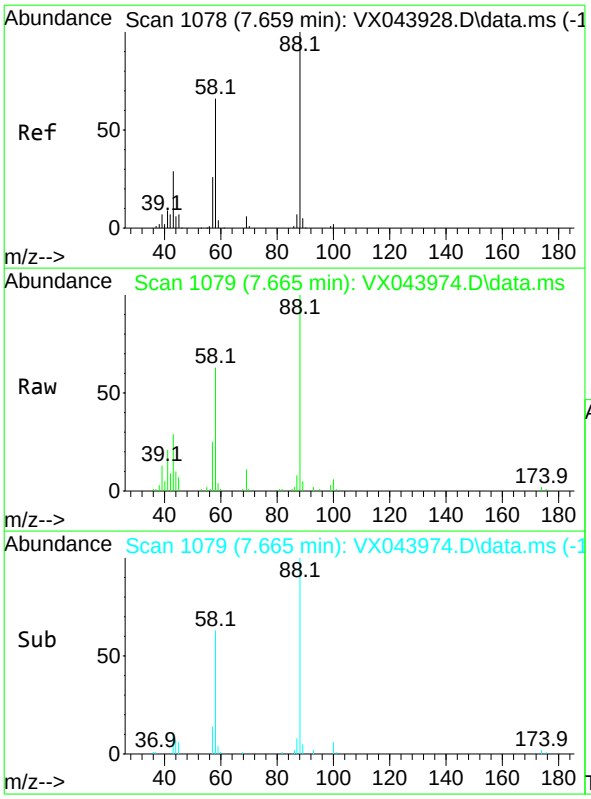



#48
Methyl methacrylate
Concen: 53.118 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 41 Resp: 89173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 64.6 | 97.0 |
| 39 | 66.9 | 53.3 | 79.9 |






#49
1,4-Dioxane
Concen: 864.861 ug/l
RT: 7.665 min Scan# 10
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 88 Resp: 25863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.4 | 26.8 | 40.2# |
| 58 | 73.9 | 45.4 | 68.2# |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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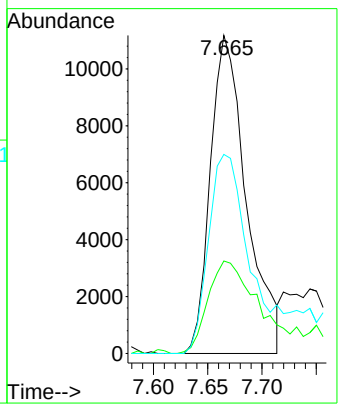
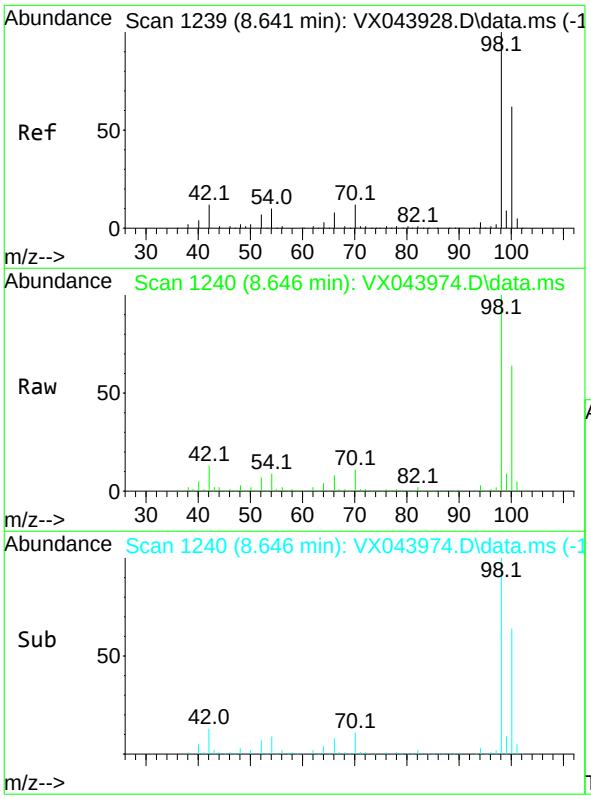
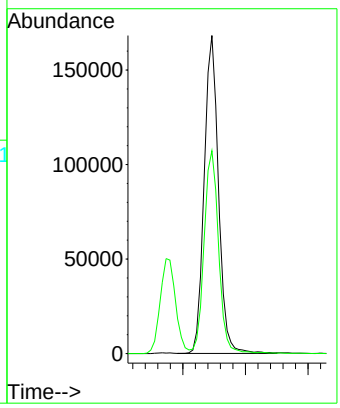


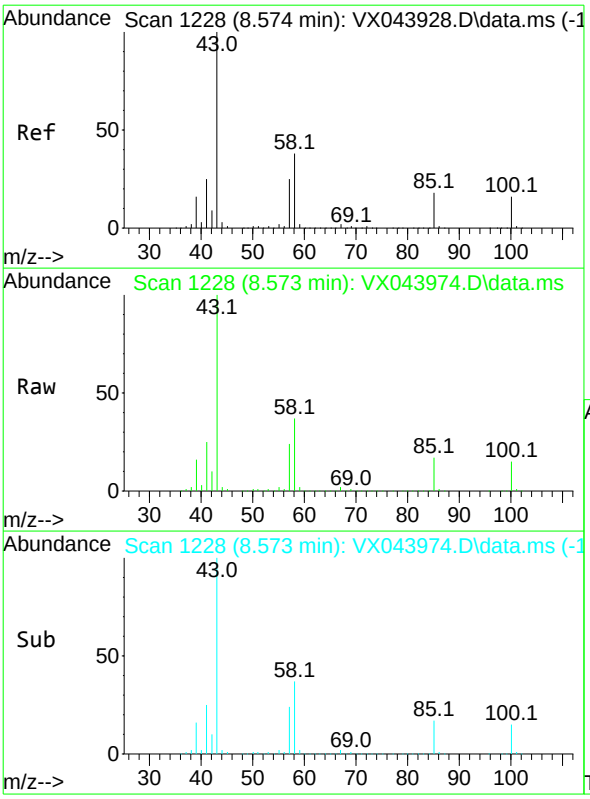




#50
Toluene-d8
Concen: 54.505 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 98 Resp: 267026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.7 | 52.6 | 79.0 |






#51
4-Methyl-2-Pentanone
Concen: 271.694 ug/l
RT: 8.573 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 580077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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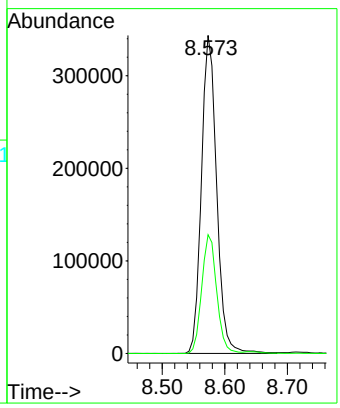
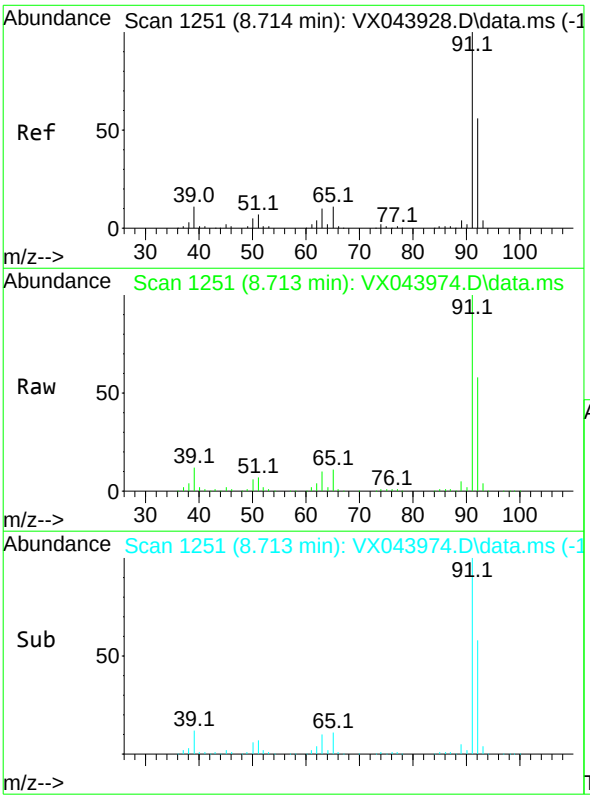
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

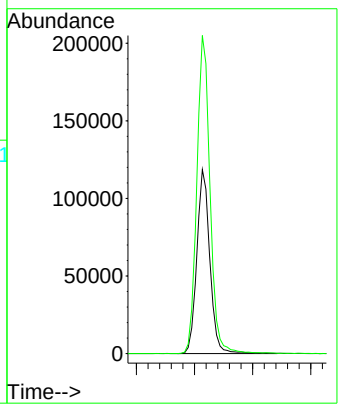


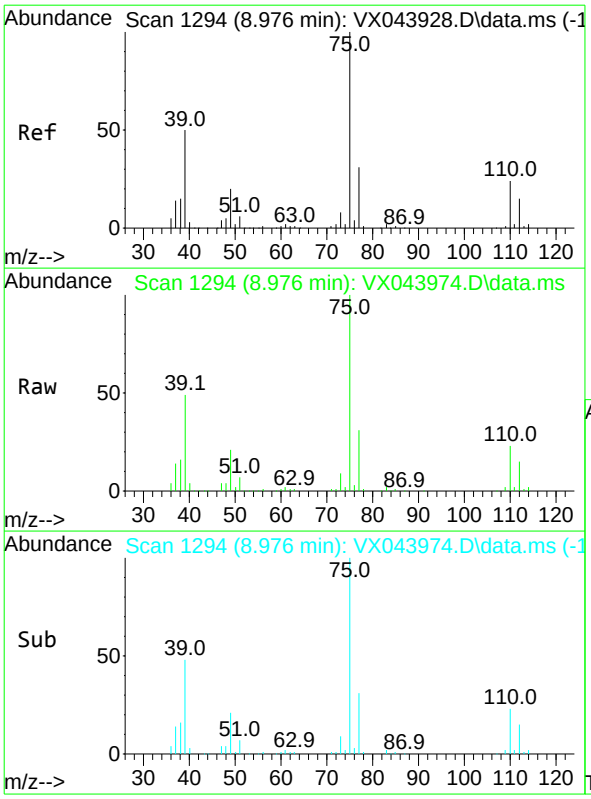




#52
Toluene
Concen: 55.795 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 92 Resp: 184227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.7 | 139.7 | 209.5 |

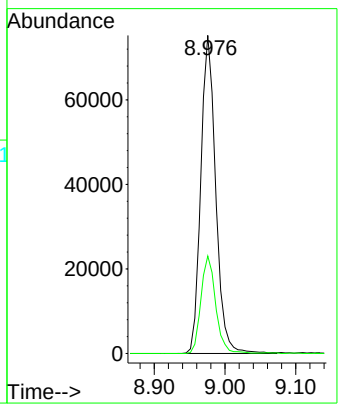





#53
t-1,3-Dichloropropene
Concen: 56.417 ug/l
RT: 8.976 min Scan# 12
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 110281

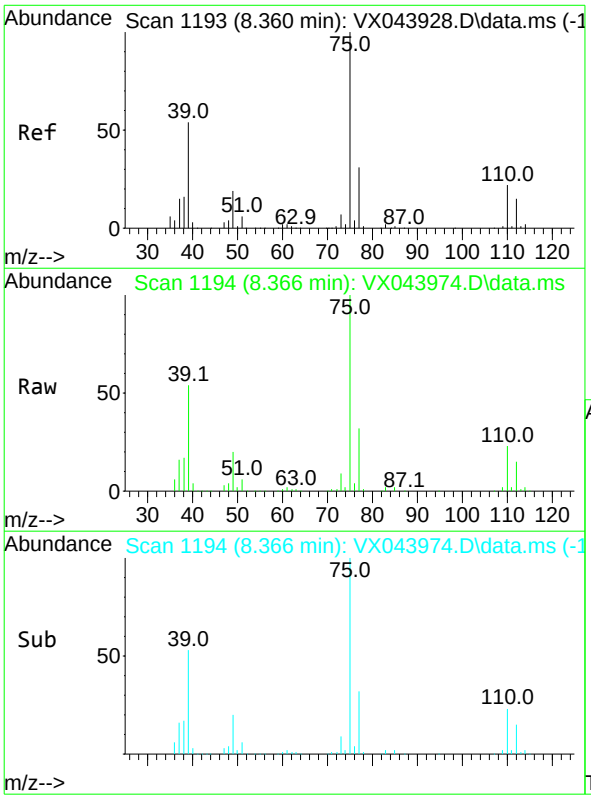
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

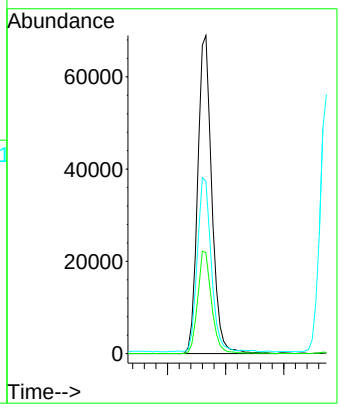
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

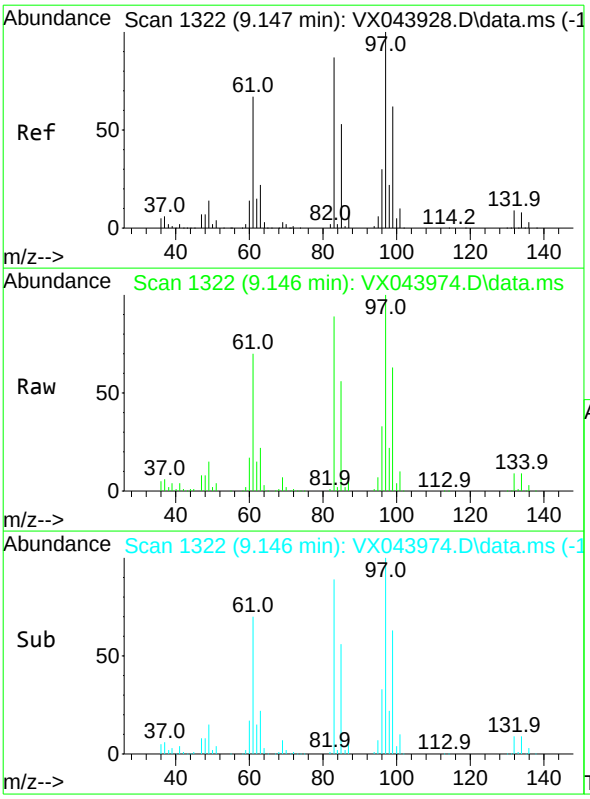



#54
cis-1,3-Dichloropropene
Concen: 54.174 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 116090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.2 | 37.8 |
| 39 | 53.5 | 43.1 | 64.7 |

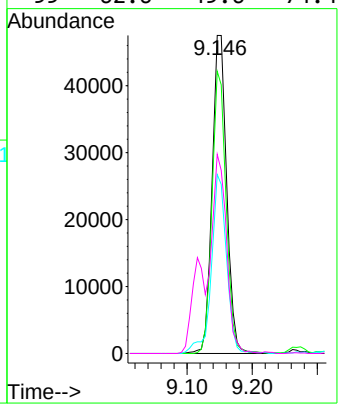





#55
1,1,2-Trichloroethane
Concen: 54.198 ug/l
RT: 9.146 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 97 Resp: 73871

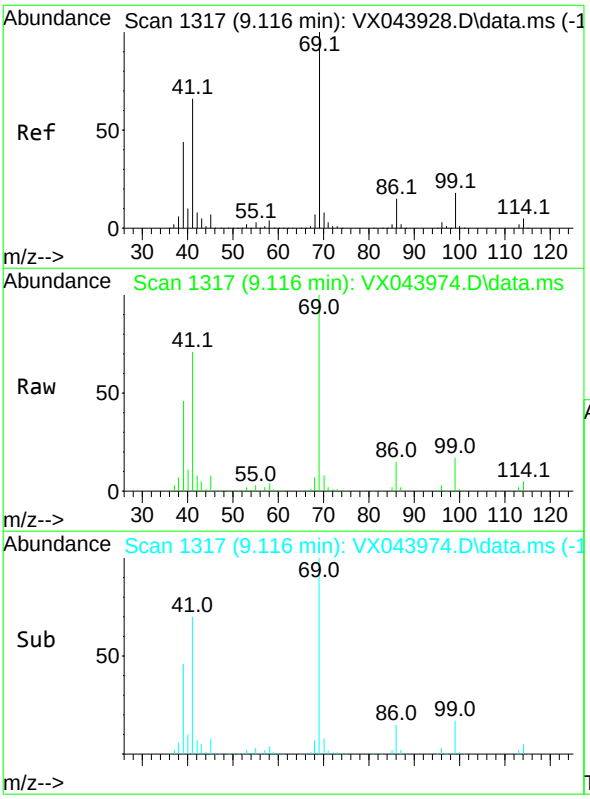
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.7 | 69.4 | 104.0 |
| 85 | 56.3 | 42.3 | 63.5 |
| 99 | 62.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

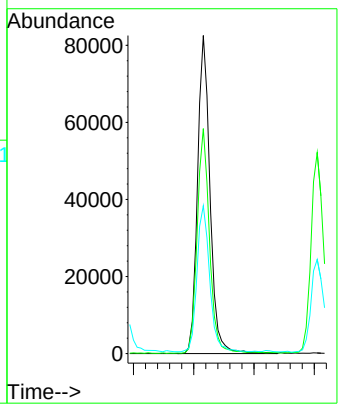
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

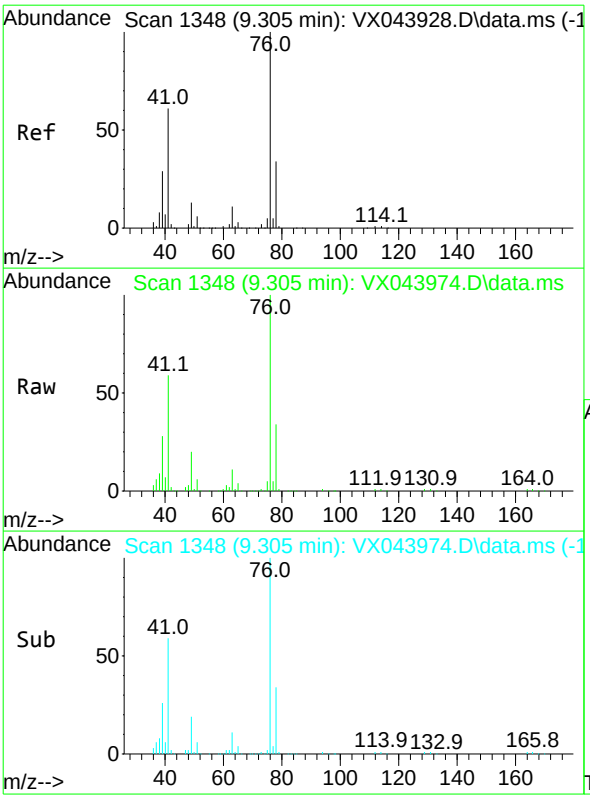



#56
Ethyl methacrylate
Concen: 55.912 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 69 Resp: 118700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 55.8 | 83.8 |
| 39 | 46.6 | 36.7 | 55.1 |






#57
1,3-Dichloropropane
Concen: 56.324 ug/l
RT: 9.305 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 76 Resp: 129321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 26.0 | 39.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
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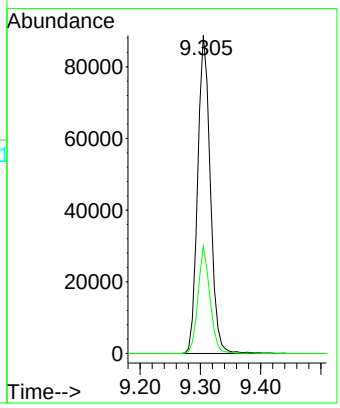
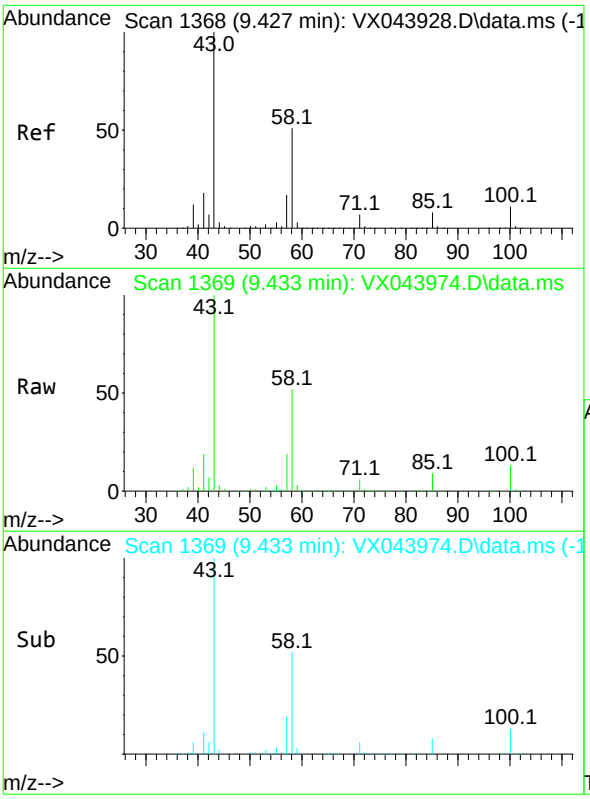
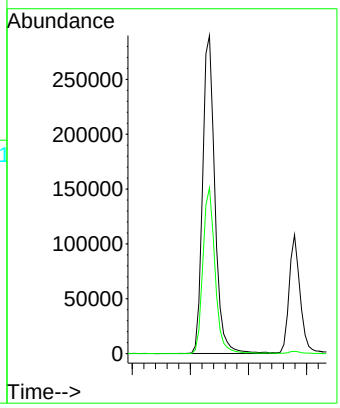


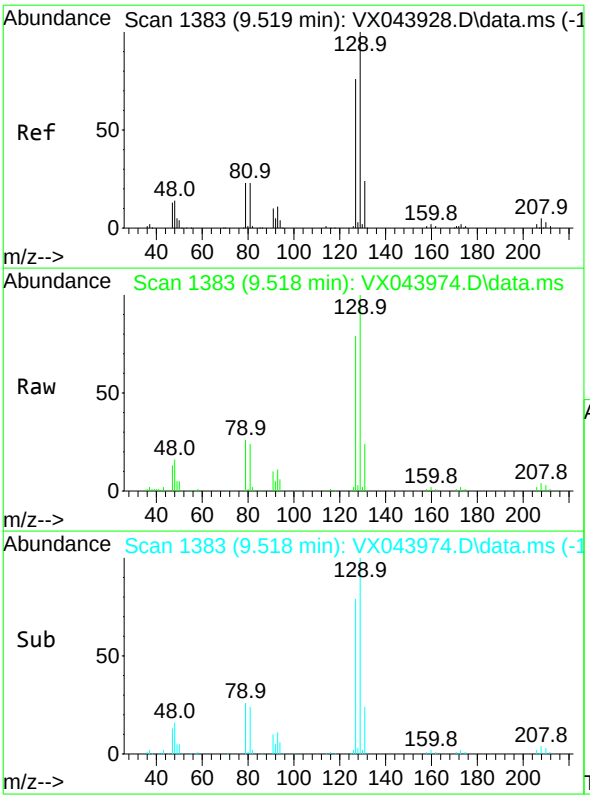




#59
2-Hexanone
Concen: 264.347 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 424211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.5 | 25.9 | 77.6 |

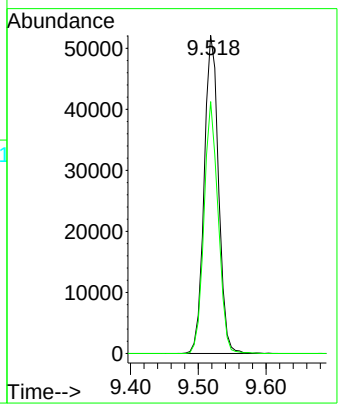





#60
Dibromochloromethane
Concen: 56.041 ug/l
RT: 9.518 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:129 Resp: 76638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.2 | 114.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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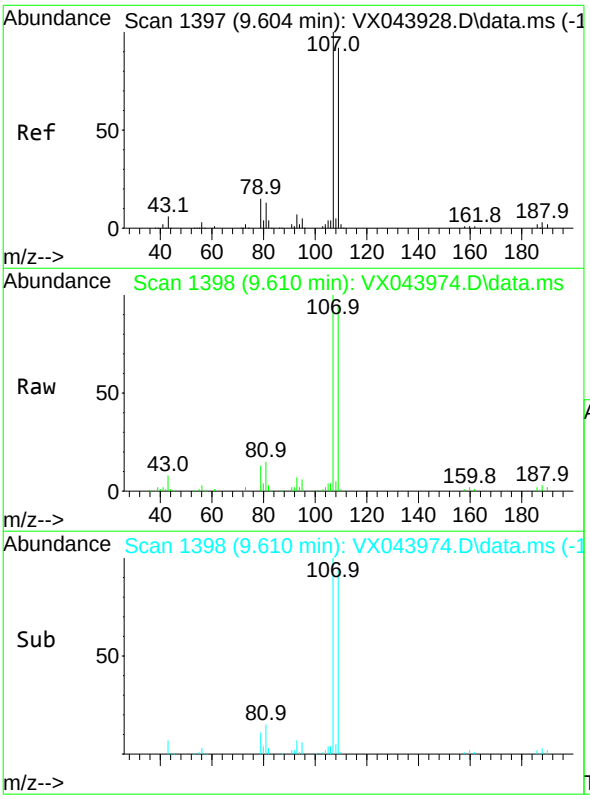
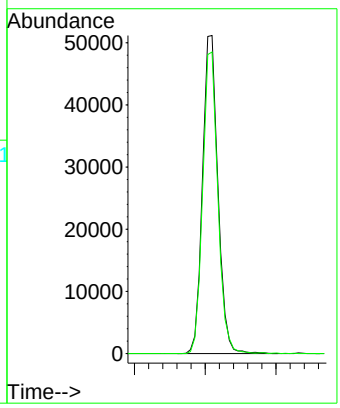
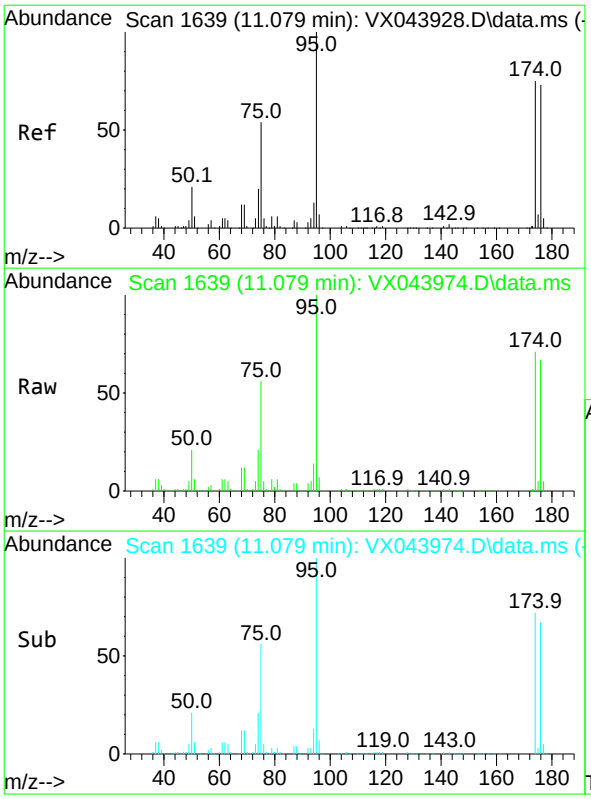



#61
1,2-Dibromoethane
Concen: 56.198 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:107 Resp: 77451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 75.2 | 112.8 |

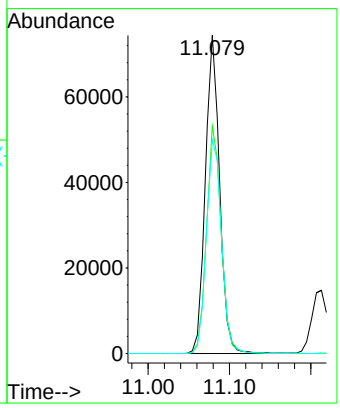





#62
4-Bromofluorobenzene
Concen: 54.229 ug/l
RT: 11.079 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 95 Resp: 90415

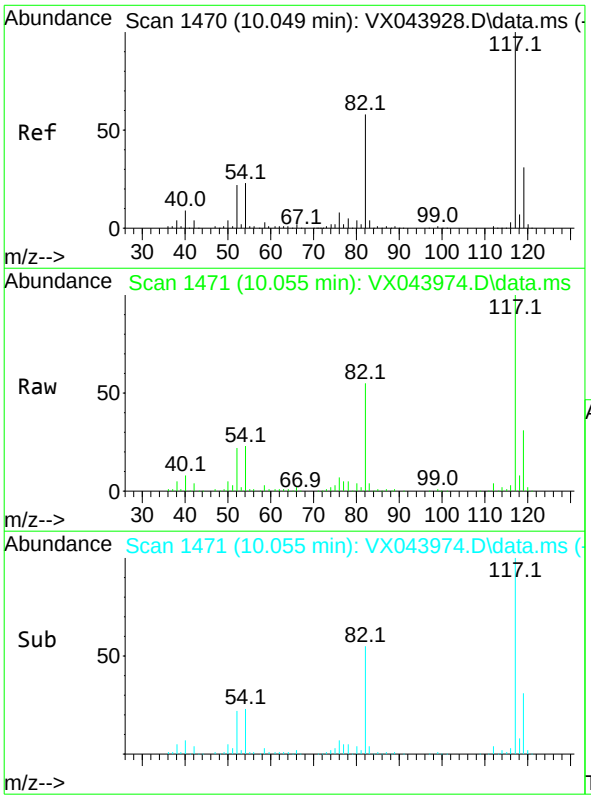
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.5 | 0.0 | 150.4 |
| 176 | 71.5 | 0.0 | 146.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

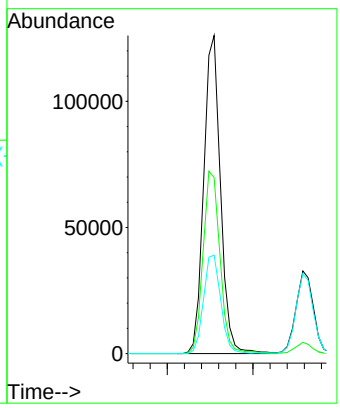
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

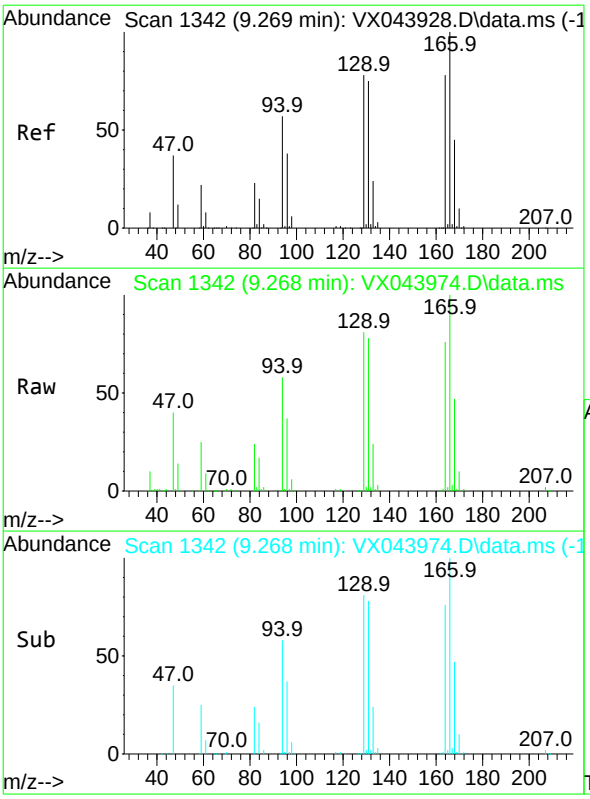



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:117 Resp: 171140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 46.4 | 69.6 |
| 119 | 31.0 | 24.6 | 37.0 |

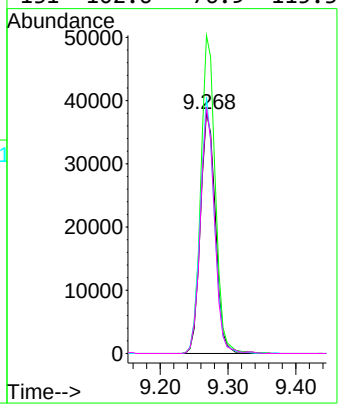





#64
Tetrachloroethene
Concen: 51.562 ug/l
RT: 9.268 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:164 Resp: 58186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.3 | 102.1 | 153.1 |
| 129 | 106.7 | 79.6 | 119.4 |
| 131 | 102.6 | 76.9 | 115.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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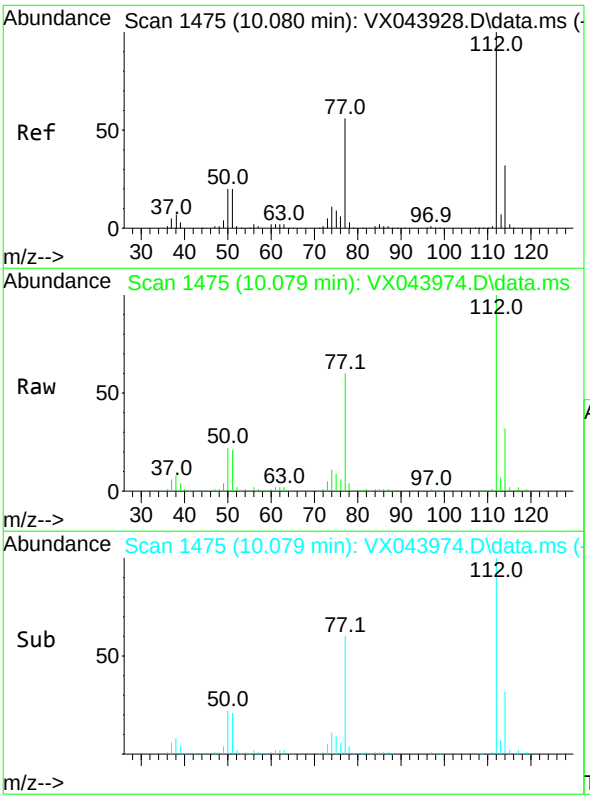
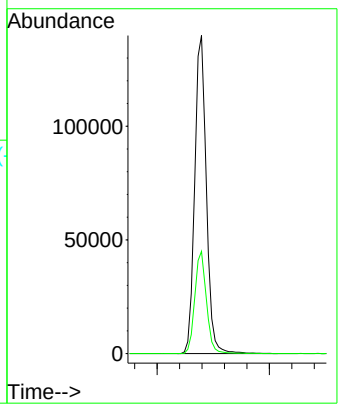
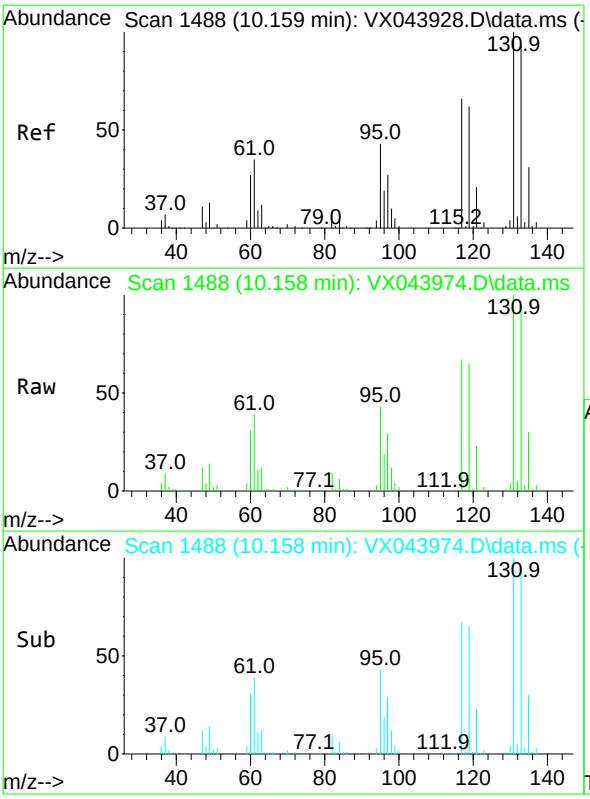



#65
Chlorobenzene
Concen: 53.480 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:112 Resp: 201017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.4 | 38.0 |






#66
1,1,1,2-Tetrachloroethane
Concen: 56.939 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:131 Resp: 69409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 48.2 | 144.6 |
| 119 | 64.1 | 31.5 | 94.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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Reviewed By :John Carlone 11/25/2024
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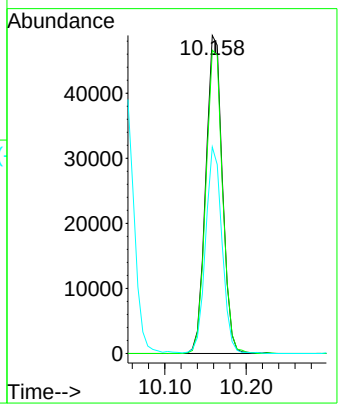
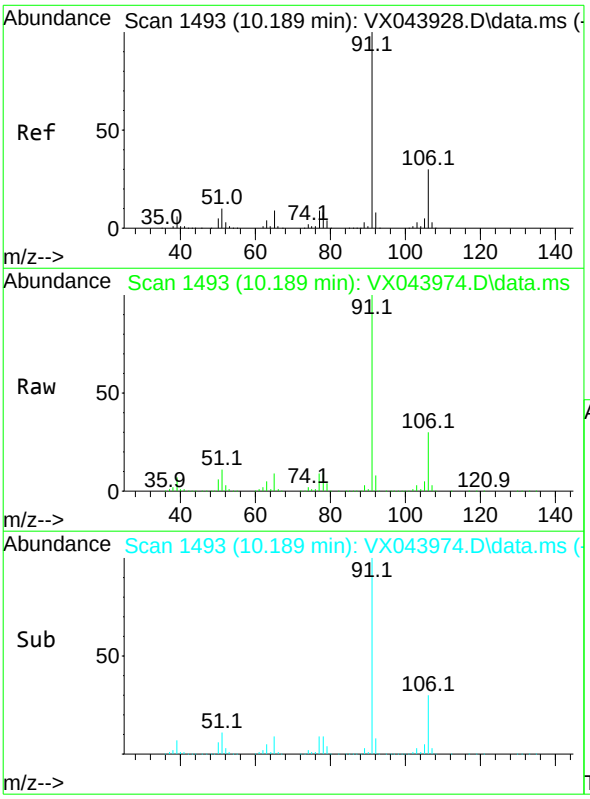
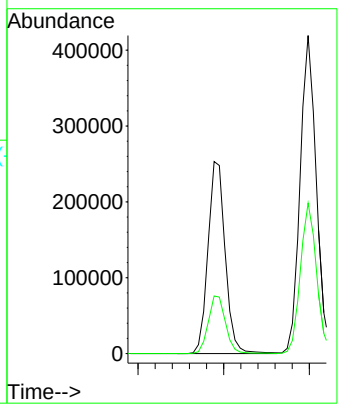


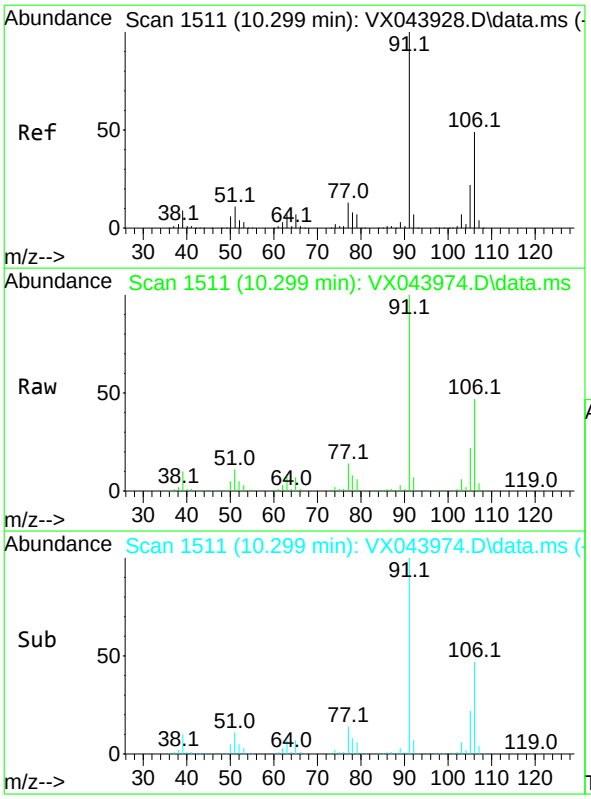




#67
Ethyl Benzene
Concen: 55.449 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 353161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 23.6 | 35.4 |

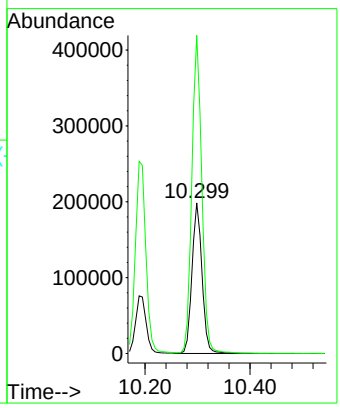





#68
m/p-Xylenes
Concen: 110.735 ug/l
RT: 10.299 min Scan# 15
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:106 Resp: 263018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.3 | 168.1 | 252.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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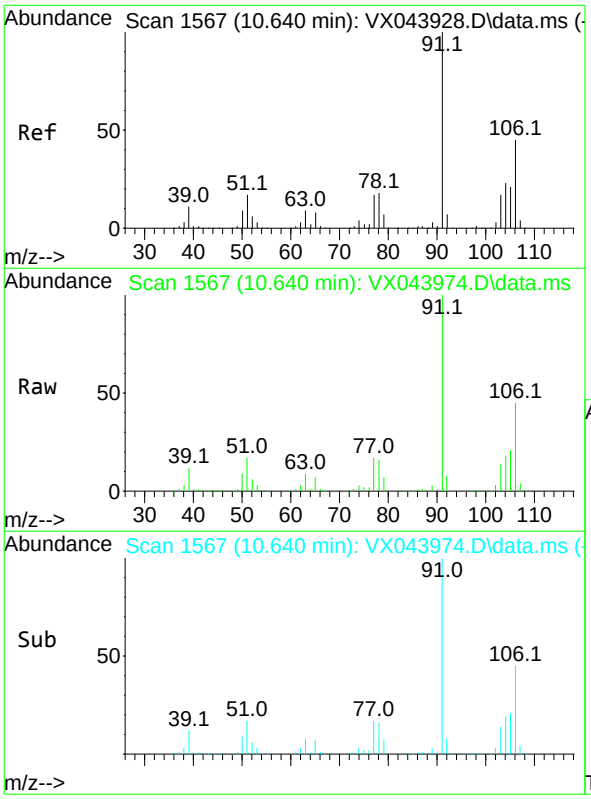
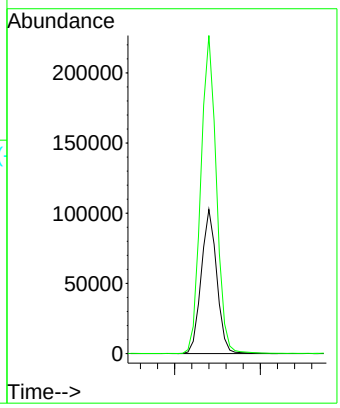
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

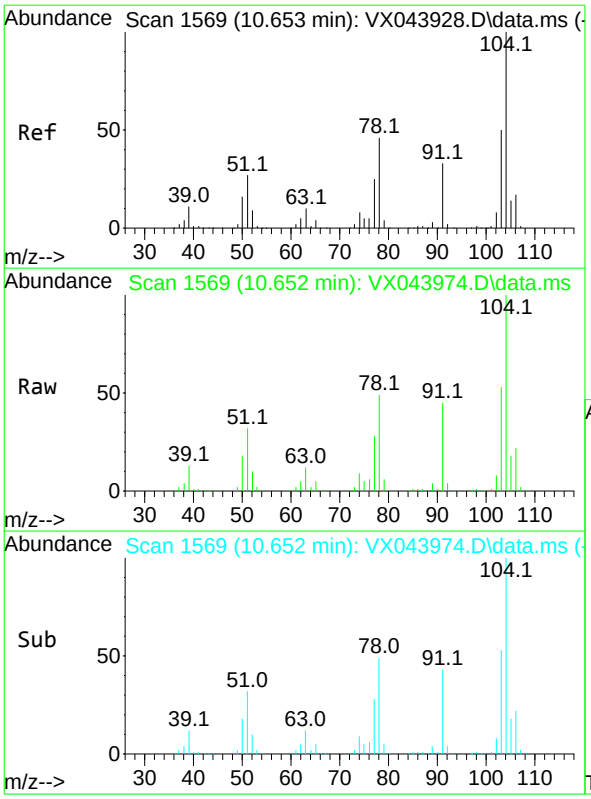



#69
o-Xylene
Concen: 55.784 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:106 Resp: 129366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.4 | 110.2 | 330.6 |

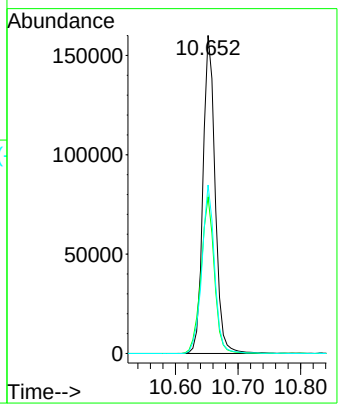





#70
Styrene
Concen: 56.375 ug/l
RT: 10.652 min Scan# 15
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:104 Resp: 216231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.5 | 44.7 | 67.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
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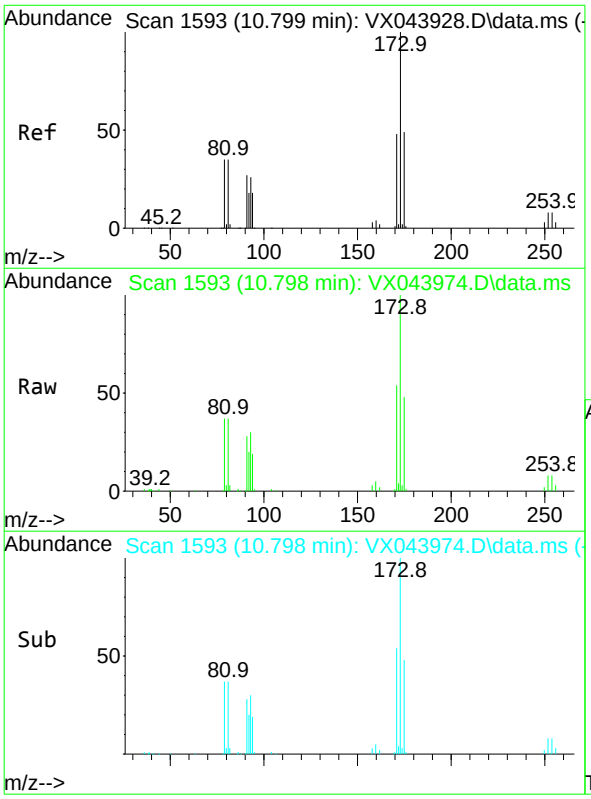
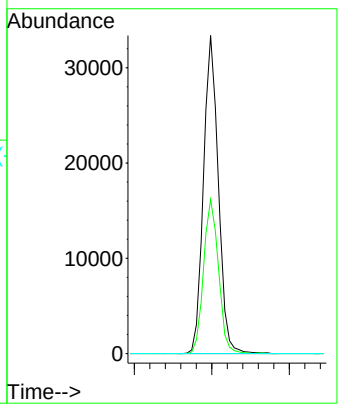
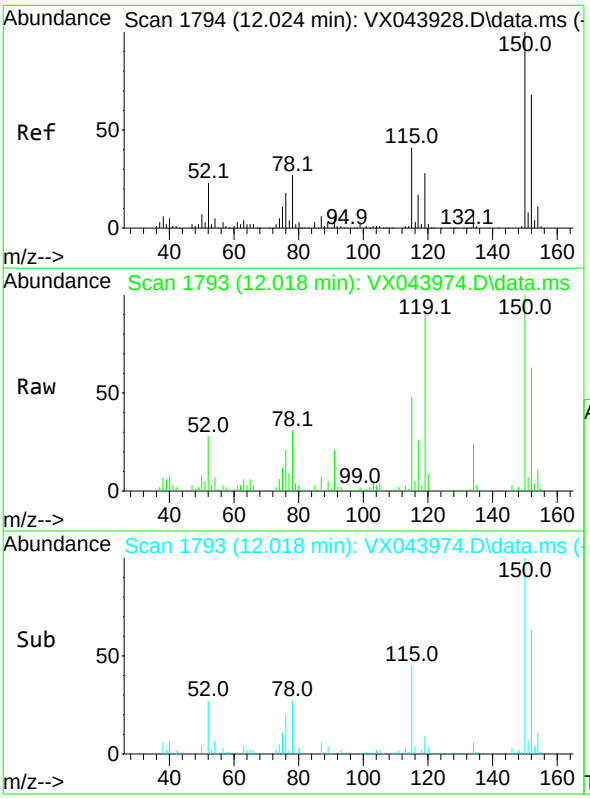



#71
Bromoform
Concen: 48.125 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:173 Resp: 44443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |






#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 17
Delta R.T. -0.007 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:152 Resp: 79942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.8 | 45.4 | 136.2 |
| 150 | 174.5 | 0.0 | 353.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

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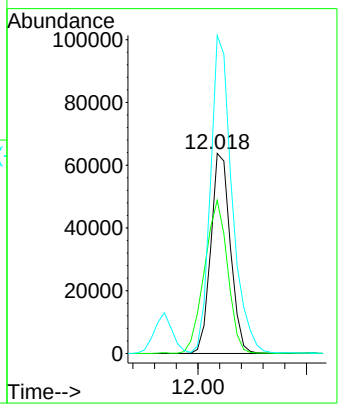
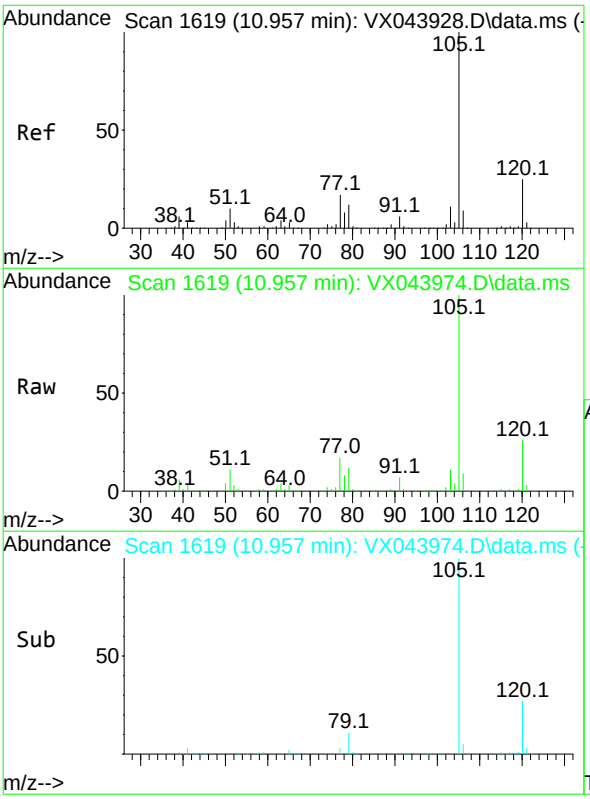
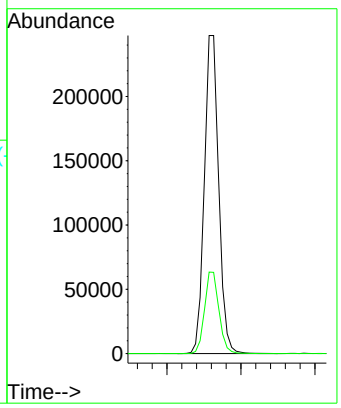


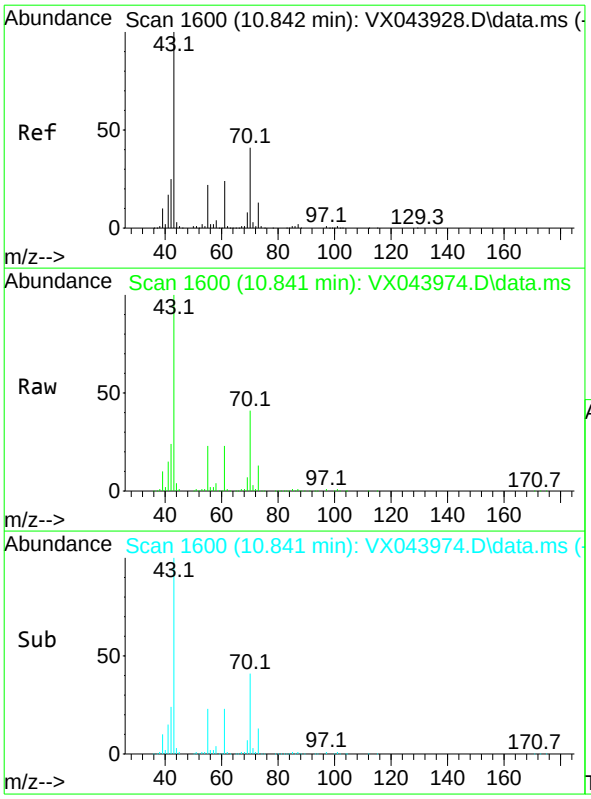




#73
Isopropylbenzene
Concen: 54.156 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:105 Resp: 332792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.0 | 38.9 |






#74
N-amyl acetate
Concen: 52.630 ug/l
RT: 10.841 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

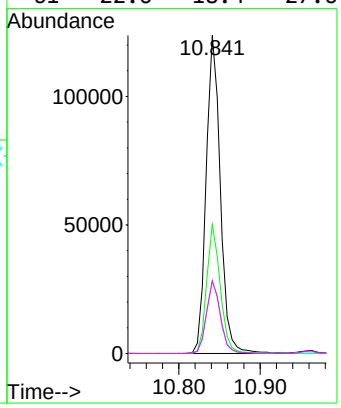
**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

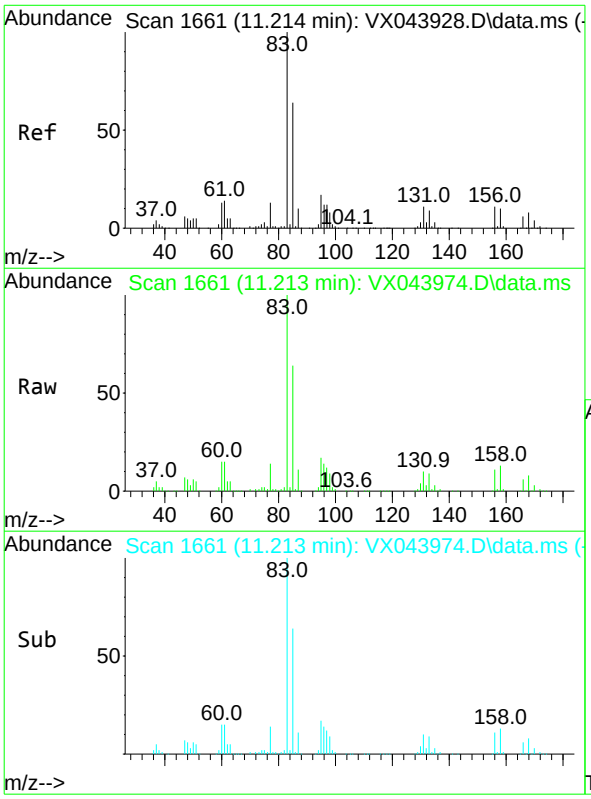
Tgt Ion: 43 Resp: 149823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.1 | 32.2 | 48.2 |
| 55 | 22.6 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

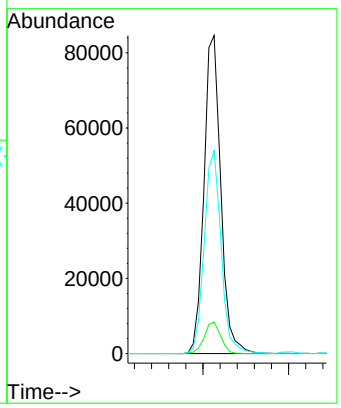


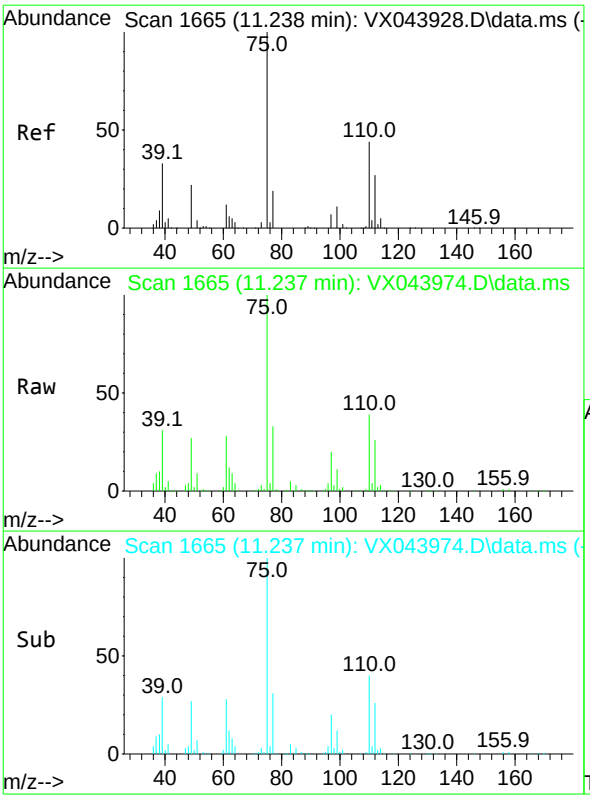




#75
1,1,2,2-Tetrachloroethane
Concen: 54.764 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 115231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.2 |
| 85 | 64.1 | 32.2 | 96.6 |

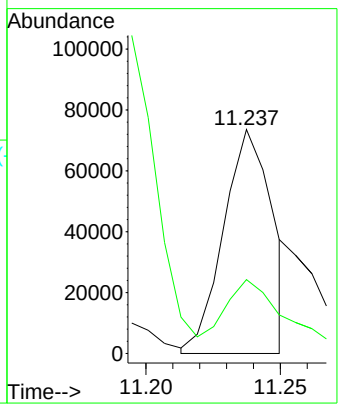





#76
1,2,3-Trichloropropane
Concen: 53.073 ug/l m
RT: 11.237 min Scan# 16
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 93043

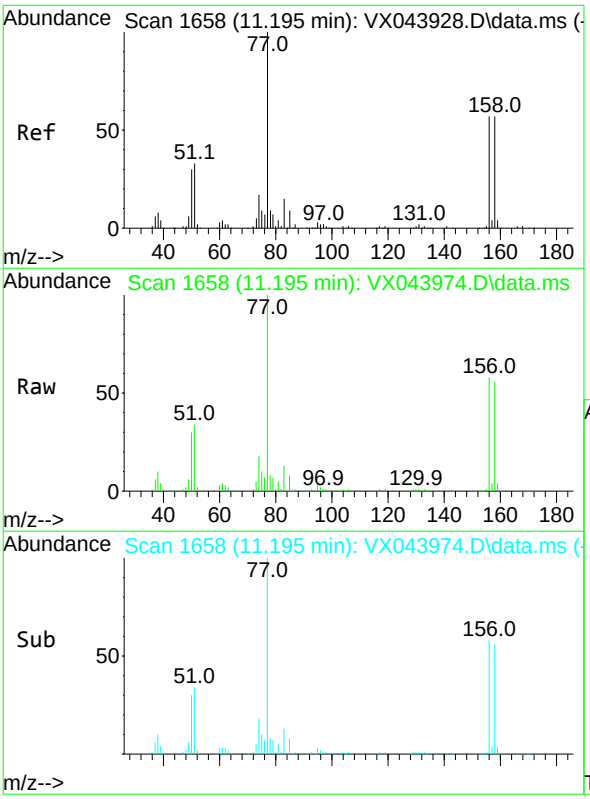
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 42.5 | 21.8 | 65.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

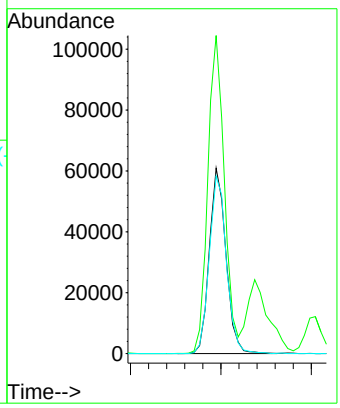
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

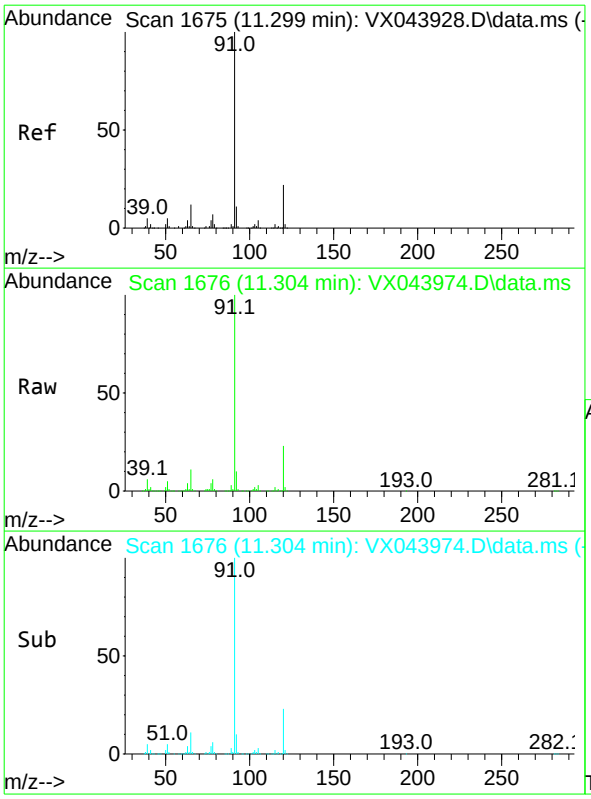



#77
Bromobenzene
Concen: 53.221 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:156 Resp: 78016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.0 | 83.4 | 250.1 |
| 158 | 98.6 | 47.6 | 142.8 |






#78
n-propylbenzene
Concen: 54.499 ug/l
RT: 11.304 min Scan# 16
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

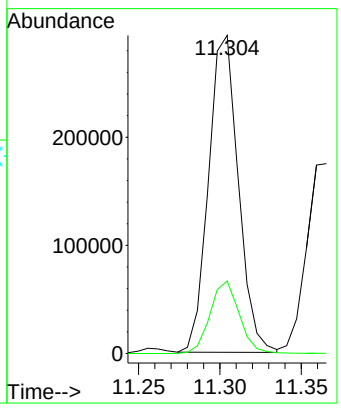
Tgt Ion: 91 Resp: 374036

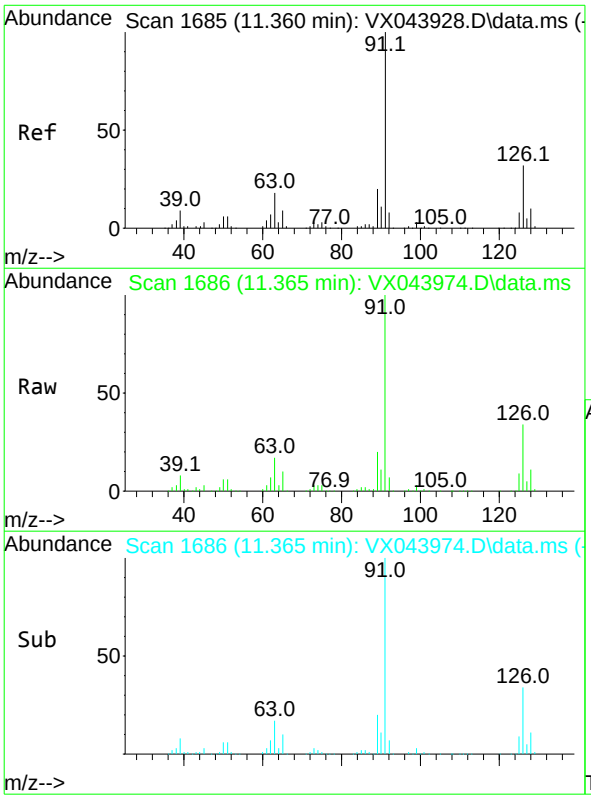
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

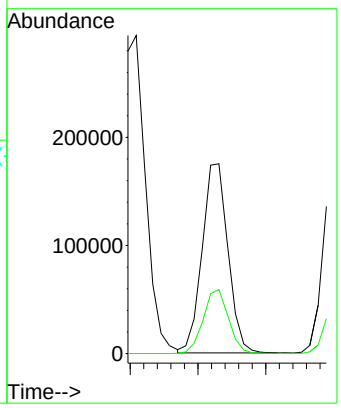


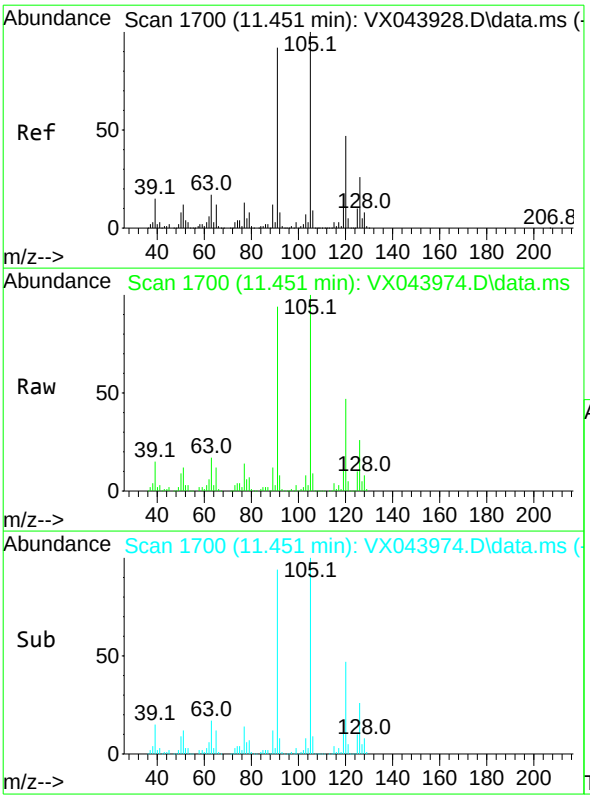




#79
2-Chlorotoluene
Concen: 53.477 ug/l
RT: 11.365 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 232083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |






#80
1,3,5-Trimethylbenzene
Concen: 54.557 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

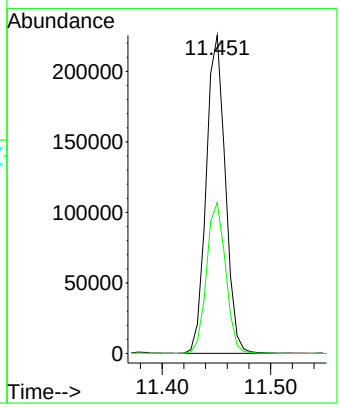
Tgt Ion:105 Resp: 275820

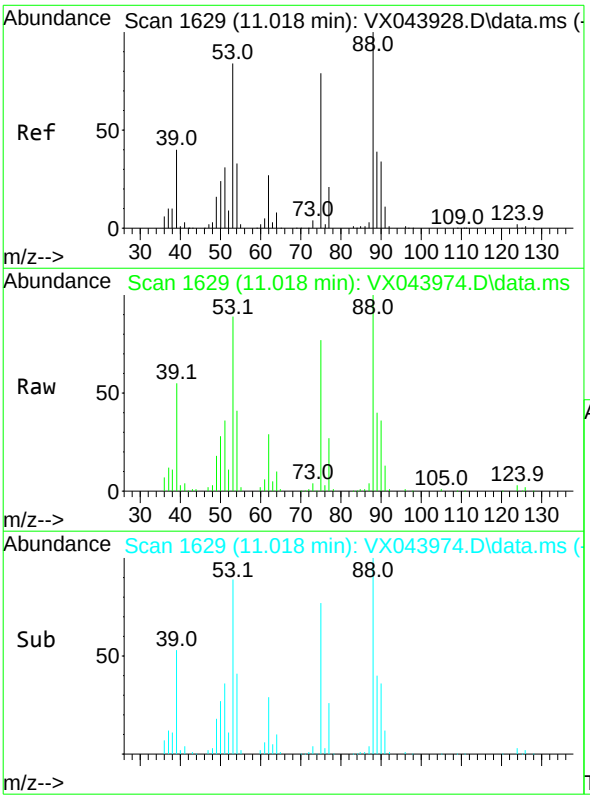
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 23.3 | 69.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

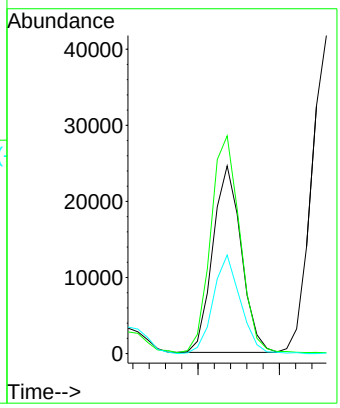


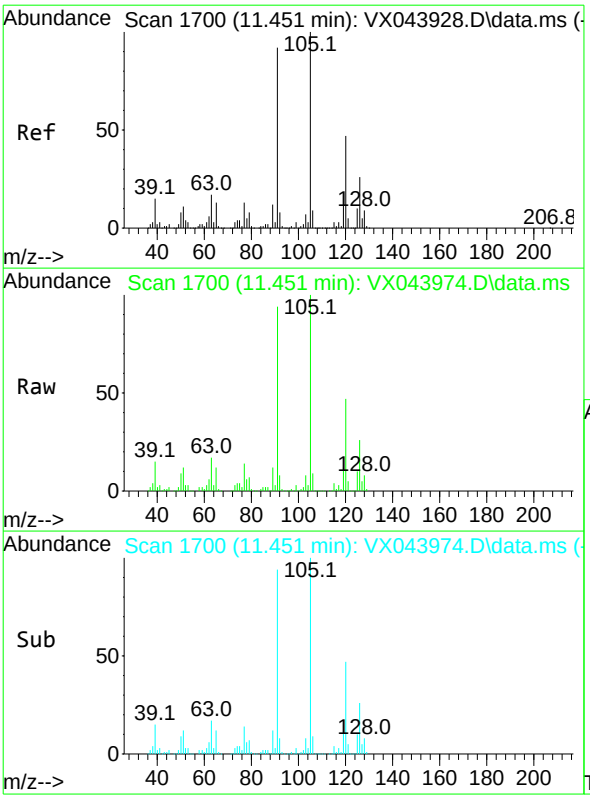




#81
trans-1,4-Dichloro-2-butene
Concen: 46.479 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 29861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 121.6 | 86.7 | 130.1 |
| 89 | 50.7 | 38.2 | 57.2 |






#82
4-Chlorotoluene
Concen: 54.601 ug/l
RT: 11.451 min Scan# 17
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

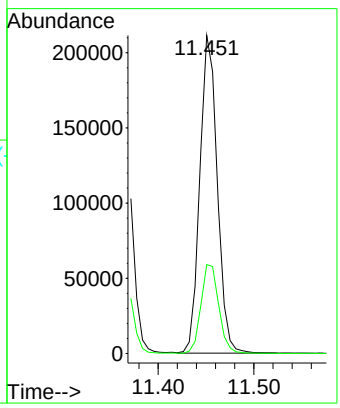
Tgt Ion: 91 Resp: 267523

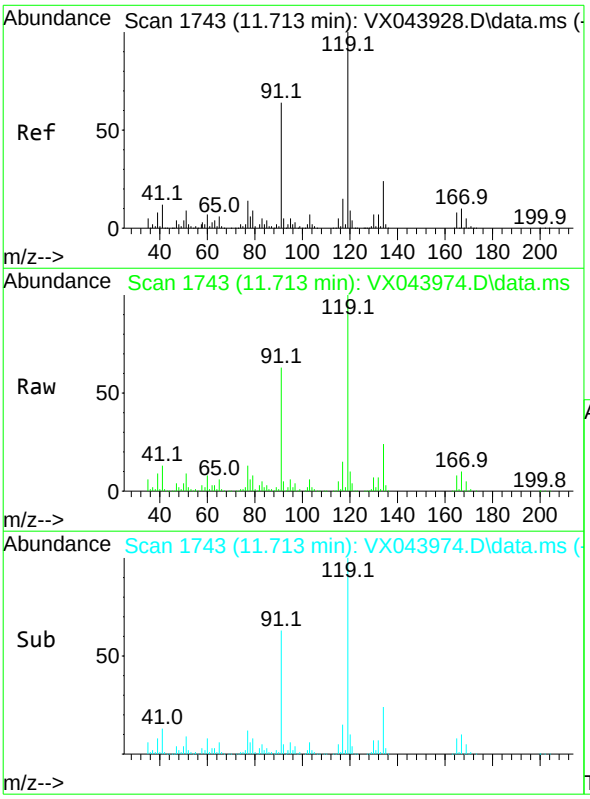
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.3 | 42.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

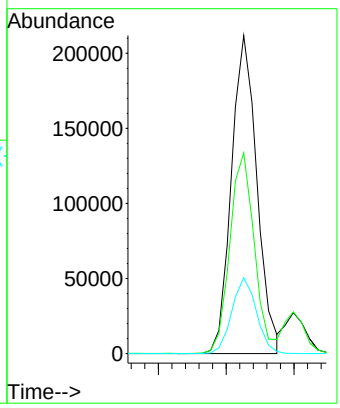


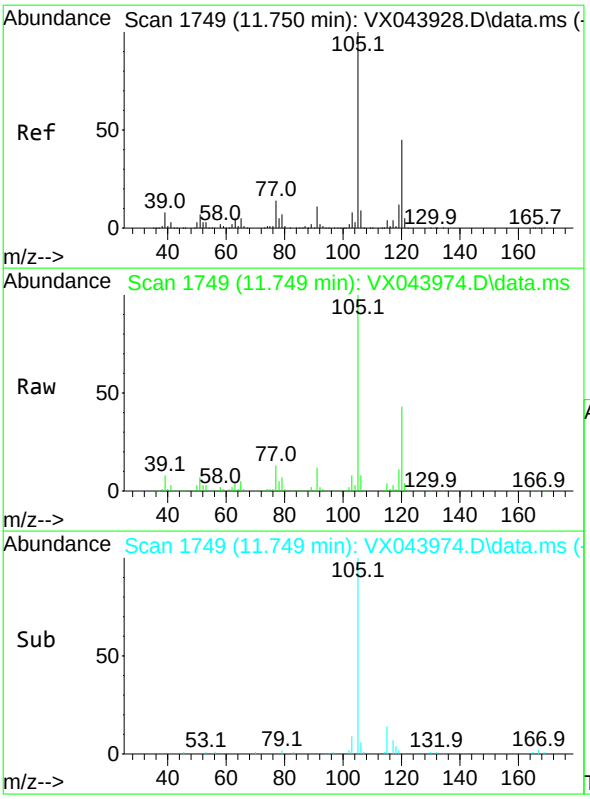




#83
tert-Butylbenzene
Concen: 55.188 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:119 Resp: 276544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.8 | 31.0 | 93.0 |
| 134 | 23.0 | 11.6 | 34.8 |






#84
1,2,4-Trimethylbenzene
Concen: 56.200 ug/l
RT: 11.749 min Scan# 17
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

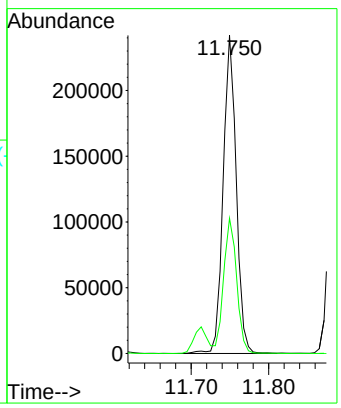
Tgt Ion:105 Resp: 282874

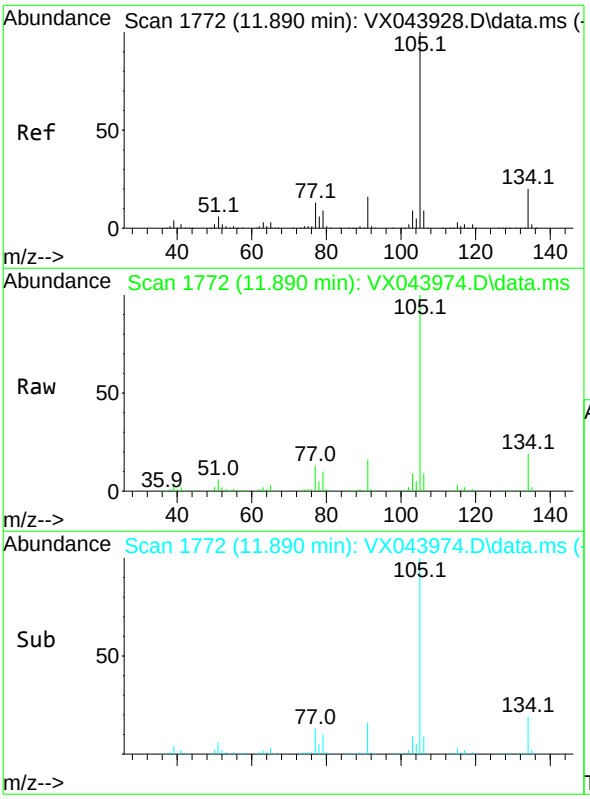
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

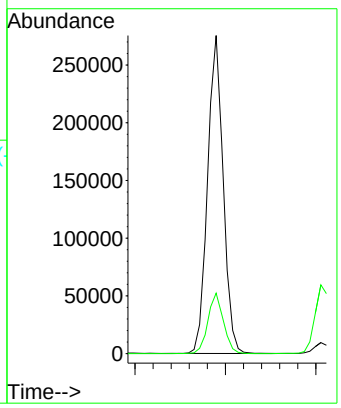


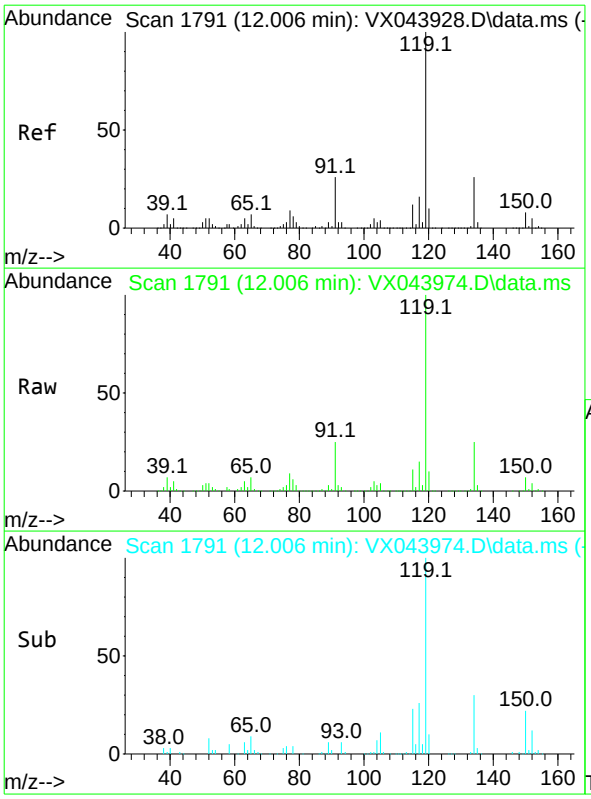




#85
sec-Butylbenzene
Concen: 53.773 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:105 Resp: 330144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.9 | 9.7 | 29.1 |






#86
p-Isopropyltoluene
Concen: 55.829 ug/l
RT: 12.006 min Scan# 17
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

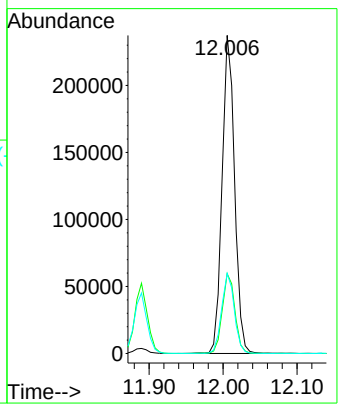
Tgt Ion:119 Resp: 278422

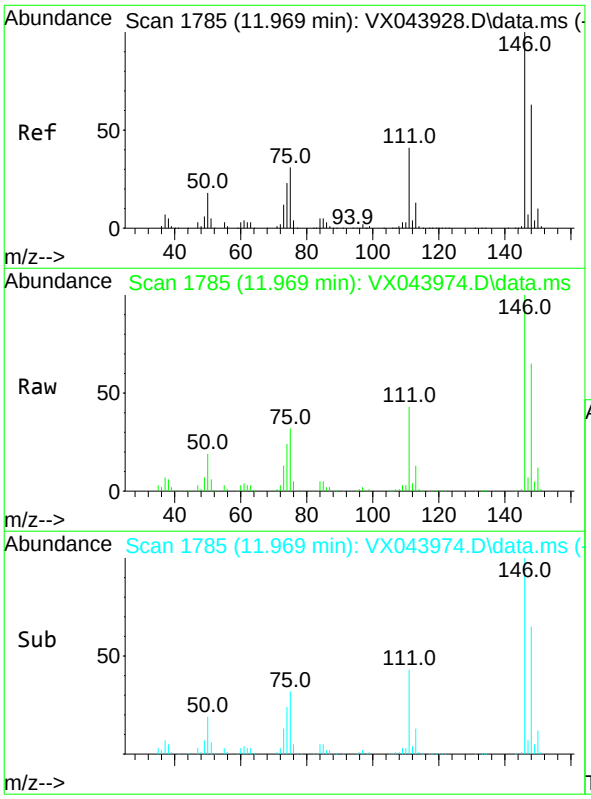
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 13.0 | 38.9 |
| 91 | 25.5 | 13.0 | 38.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

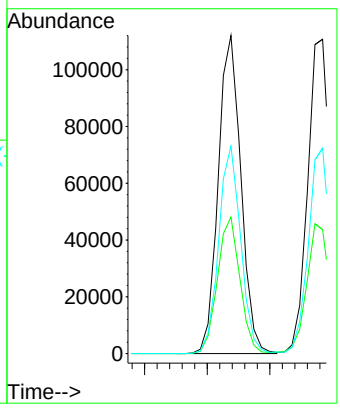


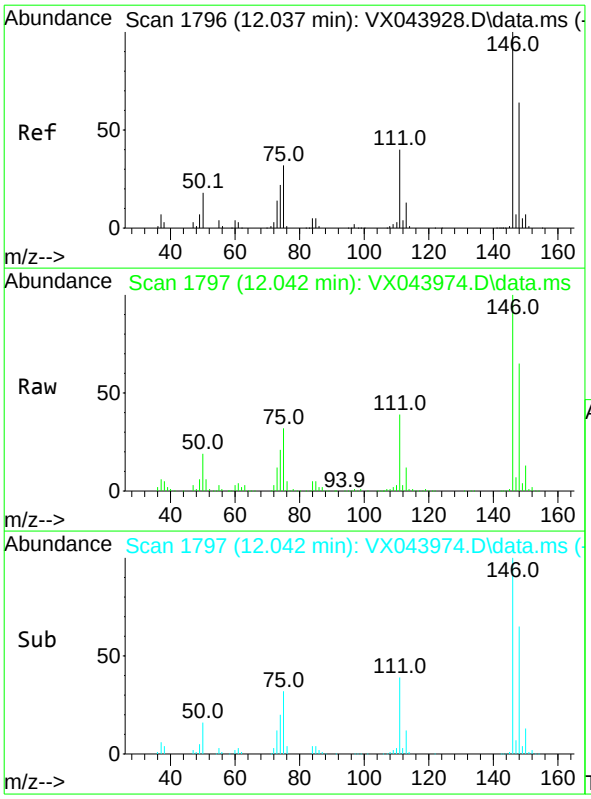




#87
1,3-Dichlorobenzene
Concen: 52.941 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:146 Resp: 141347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.1 | 63.3 |
| 148 | 63.5 | 31.7 | 95.1 |






#88
1,4-Dichlorobenzene
Concen: 52.585 ug/l
RT: 12.042 min Scan# 17
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

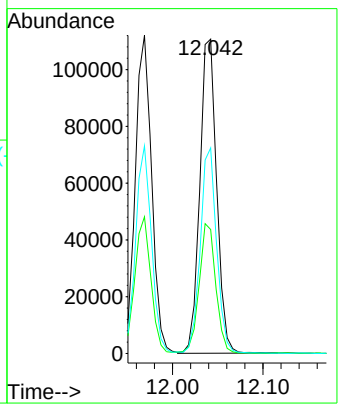
Tgt Ion:146 Resp: 143136

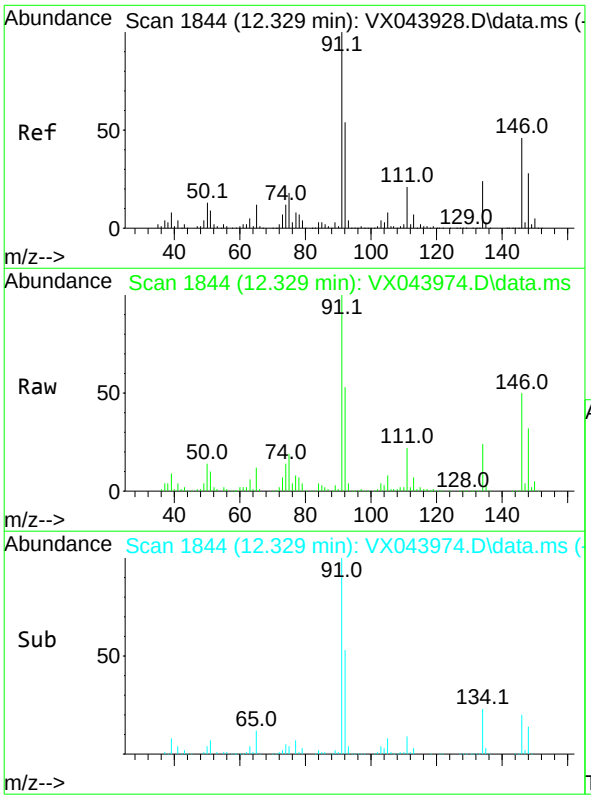
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.1 | 60.3 |
| 148 | 64.0 | 30.9 | 92.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

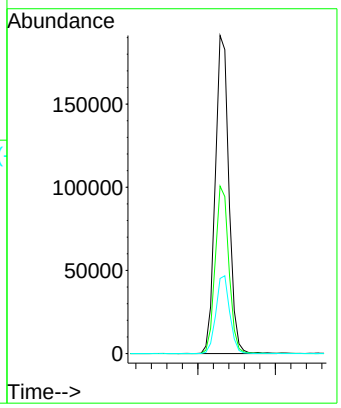


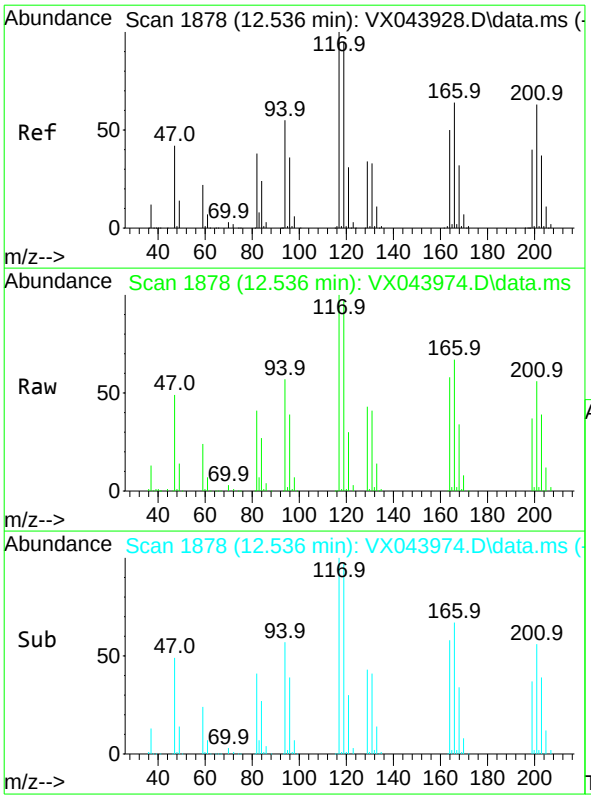




#89
n-Butylbenzene
Concen: 53.095 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 233456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |

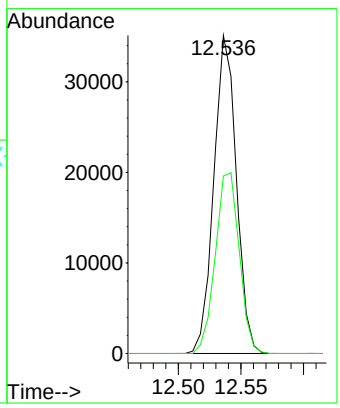





#90
Hexachloroethane
Concen: 51.864 ug/l
RT: 12.536 min Scan# 18
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:117 Resp: 43982

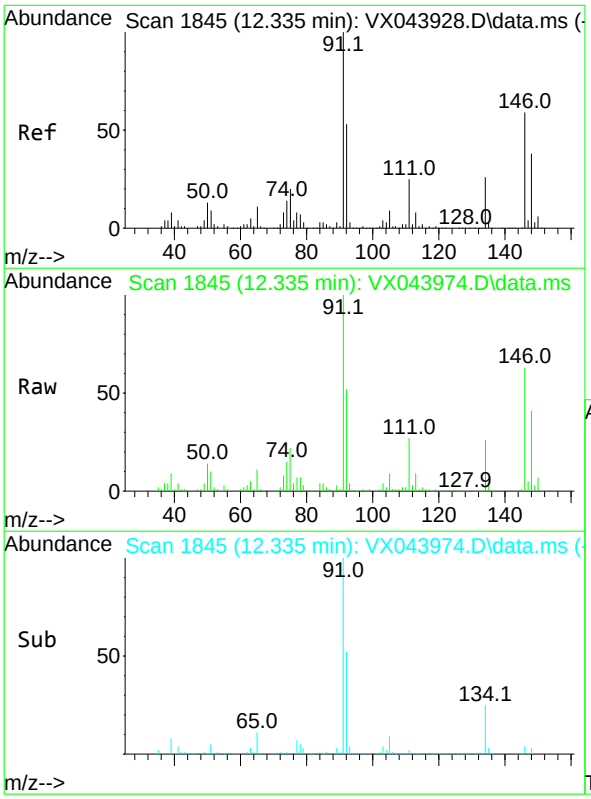
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.5 | 32.4 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

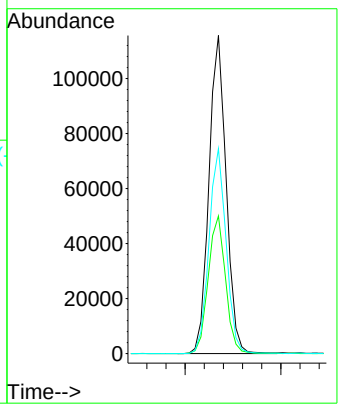
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

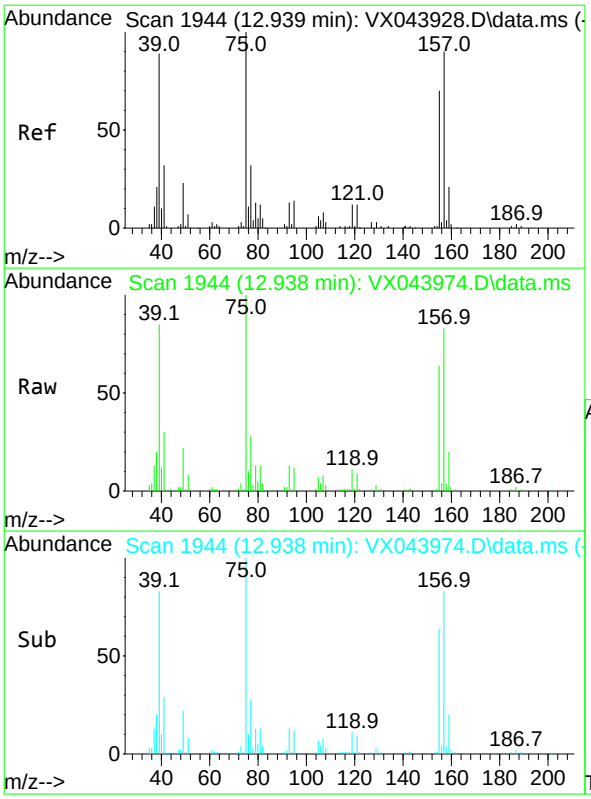



#91
1,2-Dichlorobenzene
Concen: 53.543 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:146 Resp: 144265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.5 | 64.5 |
| 148 | 64.2 | 31.9 | 95.5 |






#92
1,2-Dibromo-3-Chloropropane
Concen: 54.925 ug/l
RT: 12.938 min Scan# 19
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

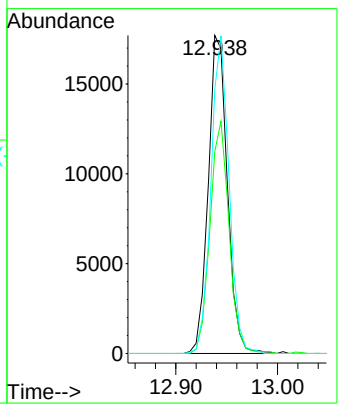
Tgt Ion: 75 Resp: 23157

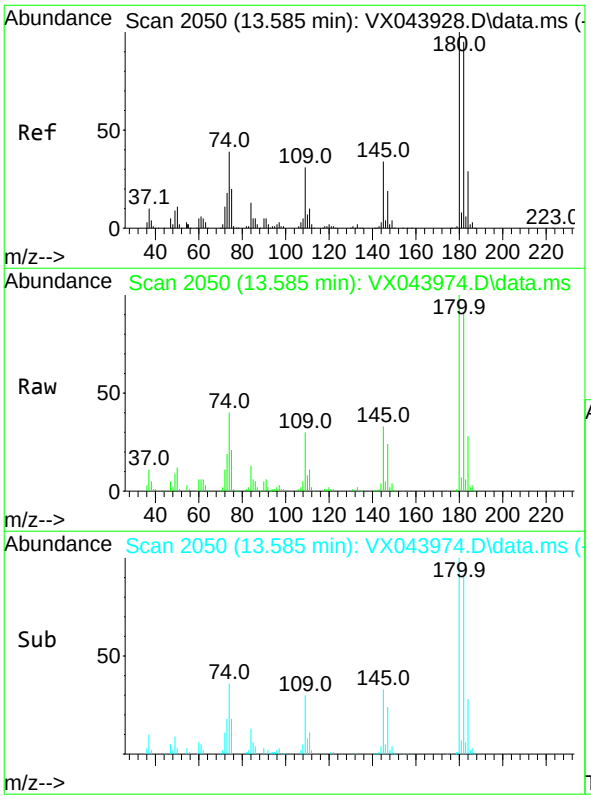
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.5 | 40.1 | 120.2 |
| 157 | 94.3 | 49.6 | 149.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

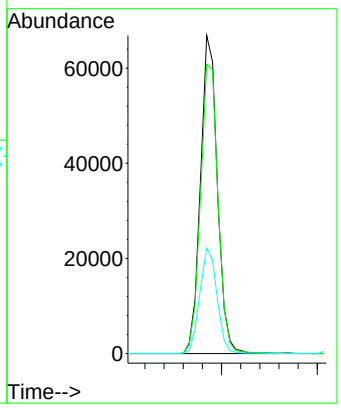


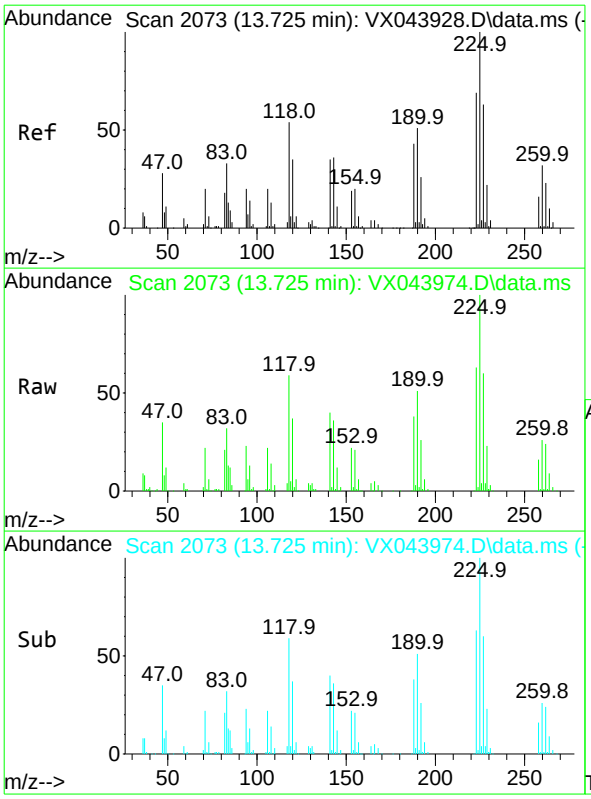




#93
1,2,4-Trichlorobenzene
Concen: 51.631 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:180 Resp: 82015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.0 | 144.2 |
| 145 | 33.9 | 16.8 | 50.4 |

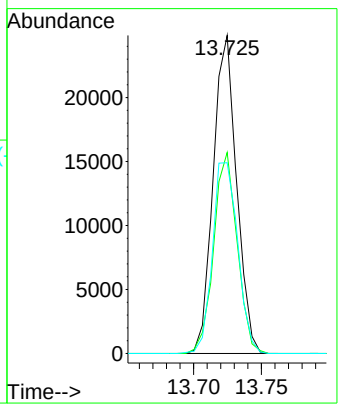





#94
Hexachlorobutadiene
Concen: 47.537 ug/l
RT: 13.725 min Scan# 20
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:225 Resp: 29844

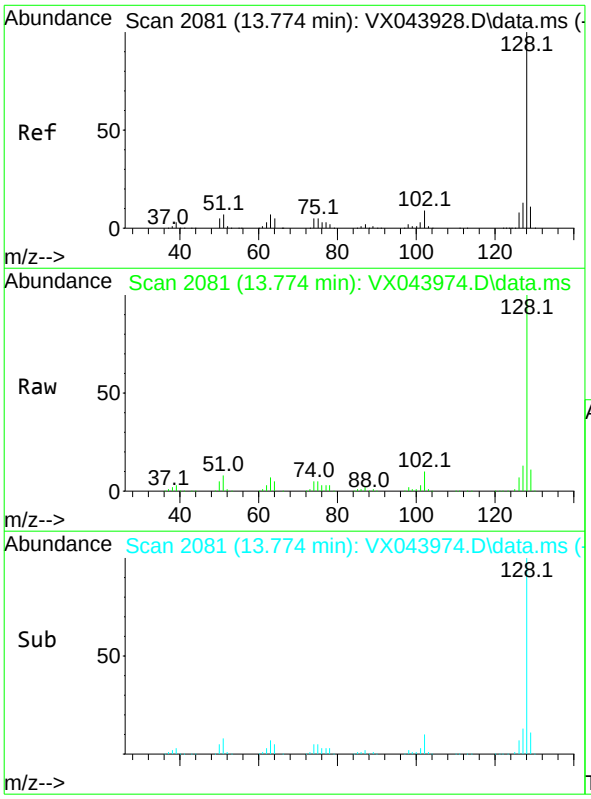
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 32.9 | 98.6 |
| 227 | 65.0 | 31.6 | 94.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

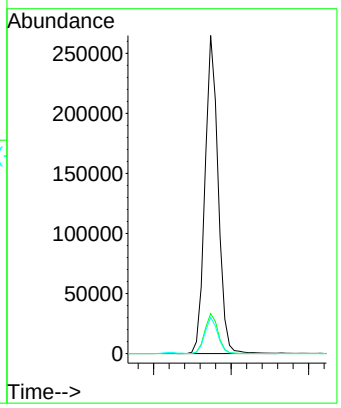
Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

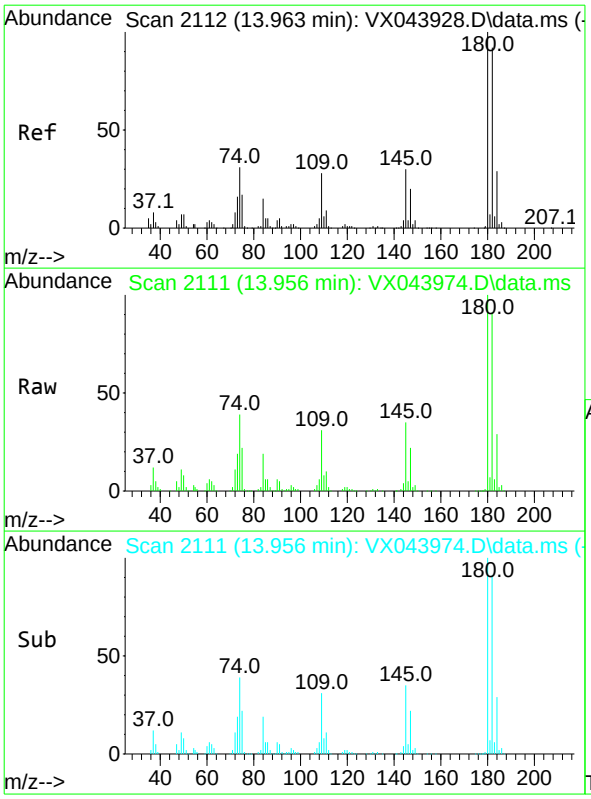



#95
Naphthalene
Concen: 54.591 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:128 Resp: 312161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.2 | 8.6 | 12.8 |

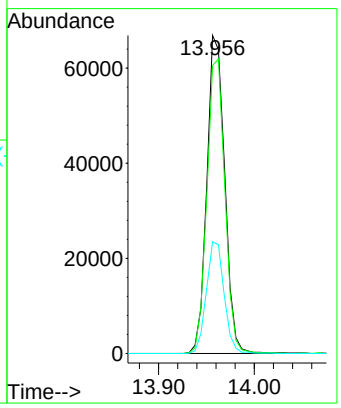





#96
1,2,3-Trichlorobenzene
Concen: 53.954 ug/l
RT: 13.956 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:180 Resp: 86747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 45.6 | 136.8 |
| 145 | 35.0 | 16.4 | 49.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

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# Manual Integration Report

| Sequence: | vx112124 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICV050 | VX043923.D | 1,2,3-Trichloropropane | JOHN | 11/21/2024 9:44:34 AM | MMDadoda | 11/22/2024 3:33:41 PM | Peak Integrated by Software |
| VSTDICV050 | VX043923.D | 1,4-Dioxane | JOHN | 11/21/2024 9:44:34 AM | MMDadoda | 11/22/2024 3:33:41 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | 1,4-Dichlorobenzene | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Bromochloromethane | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Ethyl Acetate | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Methacrylonitrile | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Methyl methacrylate | JOHN | 11/22/2024 9:57:01 AM | MMDadoda | 11/22/2024 3:33:43 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:07 AM | MMDadoda | 11/22/2024 3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | 1,4-Dioxane | JOHN | 11/22/2024 9:57:07 AM | MMDadoda | 11/22/2024 3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | Ethyl Acetate | JOHN | 11/22/2024 9:57:07 AM | MMDadoda | 11/22/2024 3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | Tert butyl alcohol | JOHN | 11/22/2024 9:57:07 AM | MMDadoda | 11/22/2024 3:33:44 PM | Peak Integrated by Software |
| VSTDICC020 | VX043927.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:12 AM | MMDadoda | 11/22/2024 3:33:46 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | vx112124 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC020 | VX043927.D | 1,4-Dioxane | JOHN | 11/22/2024 9:57:12 AM | MMDadoda | 11/22/2024 3:33:46 PM | Peak Integrated by Software |
| VSTDICCC050 | VX043928.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:17 AM | MMDadoda | 11/22/2024 3:33:47 PM | Peak Integrated by Software |
| VSTDICCC050 | VX043928.D | 1,4-Dioxane | JOHN | 11/22/2024 9:57:17 AM | MMDadoda | 11/22/2024 3:33:47 PM | Peak Integrated by Software |
| VSTDICC100 | VX043929.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:21 AM | MMDadoda | 11/22/2024 3:33:49 PM | Peak Integrated by Software |
| VSTDICC100 | VX043929.D | 1,4-Dioxane | JOHN | 11/22/2024 9:57:21 AM | MMDadoda | 11/22/2024 3:33:49 PM | Peak Integrated by Software |
| VSTDICC150 | VX043930.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:26 AM | MMDadoda | 11/22/2024 3:33:50 PM | Peak Integrated by Software |
| VSTDICV050 | VX043932.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:30 AM | MMDadoda | 11/22/2024 3:33:52 PM | Peak Integrated by Software |
| VX1121WBS01 | VX043935.D | 1,2,3-Trichloropropane | JOHN | 11/22/2024 9:57:34 AM | SAM | 11/22/2024 3:35:53 PM | Peak Integrated by Software |
| VSTDCCC050 | VX043948.D | 1,2,3-Trichloropropane | MMDadoda | 11/29/2024 8:03:03 AM | SAM | 11/29/2024 8:03:34 AM | Peak Integrated by Software |
| VSTDCCC050 | VX043948.D | 2-Chloroethyl Vinyl ether | MMDadoda | 11/29/2024 8:03:03 AM | SAM | 11/29/2024 8:03:34 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VX112224 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX043950.D | 1,2,3-Trichloropropane | JOHN | 11/25/2024 9:48:19 AM | MMDadoda | 11/25/2024 2:02:34 PM | Peak Integrated by Software |
| VX1122WBS01 | VX043953.D | 1,2,3-Trichloropropane | JOHN | 11/25/2024 9:48:23 AM | MMDadoda | 11/25/2024 2:02:33 PM | Peak Integrated by Software |
| P4934-06MS | VX043973.D | 1,2,3-Trichloropropane | JOHN | 11/25/2024 9:49:12 AM | MMDadoda | 11/25/2024 2:02:37 PM | Peak Integrated by Software |
| P4934-07MSD | VX043974.D | 1,2,3-Trichloropropane | JOHN | 11/25/2024 9:48:45 AM | MMDadoda | 11/25/2024 2:02:39 PM | Peak Integrated by Software |
| VSTDCCC050 | VX043975.D | 1,2,3-Trichloropropane | JOHN | 11/25/2024 9:48:49 AM | MMDadoda | 11/25/2024 2:02:40 PM | Peak Integrated by Software |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/21/2024 9:44:50 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/22/2024 3:34:00 PM | | |
| SubDirectory | VX112124 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131686,VP131690 |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |
| CCC | VP131691 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP131722 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX043915.D | 20 Nov 2024 15:43 | JC/MD | Not Ok |
| 2 | VSTDICC001 | VX043916.D | 20 Nov 2024 16:11 | JC/MD | Not Ok |
| 3 | VSTDICC005 | VX043917.D | 20 Nov 2024 16:57 | JC/MD | Not Ok |
| 4 | VSTDICC020 | VX043918.D | 20 Nov 2024 17:20 | JC/MD | Not Ok |
| 5 | VSTDICCC050 | VX043919.D | 20 Nov 2024 17:43 | JC/MD | Not Ok |
| 6 | VSTDICC100 | VX043920.D | 20 Nov 2024 18:06 | JC/MD | Not Ok |
| 7 | VSTDICC150 | VX043921.D | 20 Nov 2024 18:30 | JC/MD | Not Ok |
| 8 | IBLK | VX043922.D | 20 Nov 2024 18:53 | JC/MD | Not Ok |
| 9 | VSTDICV050 | VX043923.D | 20 Nov 2024 19:16 | JC/MD | Not Ok |
| 10 | BFB | VX043924.D | 21 Nov 2024 08:51 | JC/MD | Ok |
| 11 | VSTDICC001 | VX043925.D | 21 Nov 2024 09:47 | JC/MD | Ok,M |
| 12 | VSTDICC005 | VX043926.D | 21 Nov 2024 10:14 | JC/MD | Ok,M |
| 13 | VSTDICC020 | VX043927.D | 21 Nov 2024 10:37 | JC/MD | Ok,M |
| 14 | VSTDICCC050 | VX043928.D | 21 Nov 2024 11:17 | JC/MD | Ok,M |
| 15 | VSTDICC100 | VX043929.D | 21 Nov 2024 11:40 | JC/MD | Ok,M |
| 16 | VSTDICC150 | VX043930.D | 21 Nov 2024 12:03 | JC/MD | Ok,M |
| 17 | IBLK | VX043931.D | 21 Nov 2024 12:27 | JC/MD | Ok |
| 18 | VSTDICV050 | VX043932.D | 21 Nov 2024 13:57 | JC/MD | Ok,M |
| 19 | VX1121MBL01 | VX043933.D | 21 Nov 2024 14:27 | JC/MD | Ok |
| 20 | VX1121WBL01 | VX043934.D | 21 Nov 2024 14:50 | JC/MD | Ok |
| 21 | VX1121WBS01 | VX043935.D | 21 Nov 2024 15:13 | JC/MD | Ok,M |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/21/2024 9:44:50 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/22/2024 3:34:00 PM | | |
| SubDirectory | VX112124 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131686,VP131690 |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |
| CCC | VP131691 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP131722 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | VX1121WBSD01 | VX043936.D | 21 Nov 2024 15:40 | JC/MD | Ok,M |
| 23 | P4921-01 | VX043937.D | 21 Nov 2024 16:03 | JC/MD | Ok |
| 24 | P4934-01 | VX043938.D | 21 Nov 2024 16:27 | JC/MD | Ok |
| 25 | P4934-09 | VX043939.D | 21 Nov 2024 16:50 | JC/MD | Ok |
| 26 | P4934-11 | VX043940.D | 21 Nov 2024 17:13 | JC/MD | Ok |
| 27 | P4934-02 | VX043941.D | 21 Nov 2024 17:36 | JC/MD | Ok |
| 28 | P4934-03 | VX043942.D | 21 Nov 2024 17:59 | JC/MD | Ok |
| 29 | P4934-08 | VX043943.D | 21 Nov 2024 18:23 | JC/MD | Ok |
| 30 | P4934-10 | VX043944.D | 21 Nov 2024 18:46 | JC/MD | Ok |
| 31 | P4934-04 | VX043945.D | 21 Nov 2024 19:09 | JC/MD | Ok |
| 32 | P4934-12 | VX043946.D | 21 Nov 2024 19:32 | JC/MD | Ok |
| 33 | P4934-05 | VX043947.D | 21 Nov 2024 19:55 | JC/MD | Ok |
| 34 | VSTDCCC050 | VX043948.D | 21 Nov 2024 20:18 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/25/2024 9:54:33 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/25/2024 2:02:46 PM | | |
| SubDirectory | VX112224 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131748 |
| Initial Calibration Stds | |
| CCC | VP131749,VP131750 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX043949.D | 22 Nov 2024 10:54 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX043950.D | 22 Nov 2024 11:22 | JC/MD | Ok,M |
| 3 | VX1122MBL01 | VX043951.D | 22 Nov 2024 11:50 | JC/MD | Ok |
| 4 | VX1122WBL01 | VX043952.D | 22 Nov 2024 12:13 | JC/MD | Ok |
| 5 | VX1122WBS01 | VX043953.D | 22 Nov 2024 12:36 | JC/MD | Ok,M |
| 6 | VX1122WBSD01 | VX043954.D | 22 Nov 2024 13:02 | JC/MD | Ok,M |
| 7 | P4947-01 | VX043955.D | 22 Nov 2024 13:25 | JC/MD | Ok |
| 8 | P4846-09 | VX043956.D | 22 Nov 2024 13:48 | JC/MD | Ok |
| 9 | P4846-10 | VX043957.D | 22 Nov 2024 14:11 | JC/MD | Ok |
| 10 | P4846-01 | VX043958.D | 22 Nov 2024 14:34 | JC/MD | Dilution |
| 11 | P4846-02 | VX043959.D | 22 Nov 2024 14:57 | JC/MD | Ok |
| 12 | P4887-06 | VX043960.D | 22 Nov 2024 15:20 | JC/MD | Ok |
| 13 | P4846-04 | VX043961.D | 22 Nov 2024 15:43 | JC/MD | Ok |
| 14 | P4846-08 | VX043962.D | 22 Nov 2024 16:06 | JC/MD | Ok |
| 15 | P4846-11 | VX043963.D | 22 Nov 2024 16:29 | JC/MD | Ok |
| 16 | P4846-12 | VX043964.D | 22 Nov 2024 16:52 | JC/MD | Ok |
| 17 | P4846-13 | VX043965.D | 22 Nov 2024 17:16 | JC/MD | Ok |
| 18 | P4846-14 | VX043966.D | 22 Nov 2024 17:39 | JC/MD | Ok |
| 19 | P4846-15 | VX043967.D | 22 Nov 2024 18:01 | JC/MD | Ok |
| 20 | P4846-16 | VX043968.D | 22 Nov 2024 18:25 | JC/MD | Dilution |
| 21 | P4846-17 | VX043969.D | 22 Nov 2024 18:47 | JC/MD | Ok |

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Fax : 908 789 8922

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/25/2024 9:54:33 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/25/2024 2:02:46 PM | | |
| SubDirectory | VX112224 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131748 |
| Initial Calibration Stds | |
| CCC | VP131749,VP131750 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | P4846-03 | VX043970.D | 22 Nov 2024 19:10 | JC/MD | Ok |
| 23 | P4873-01 | VX043971.D | 22 Nov 2024 19:33 | JC/MD | Ok |
| 24 | P4873-03 | VX043972.D | 22 Nov 2024 19:56 | JC/MD | Ok |
| 25 | P4934-06MS | VX043973.D | 22 Nov 2024 20:19 | JC/MD | Ok,M |
| 26 | P4934-07MSD | VX043974.D | 22 Nov 2024 20:42 | JC/MD | Ok,M |
| 27 | VSTDCCC050 | VX043975.D | 22 Nov 2024 21:05 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/21/2024 9:44:50 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/22/2024 3:34:00 PM | | |
| SubDirectory | VX112124 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131686,VP131690 |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |
| CCC | VP131691 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP131722 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX043915.D | 20 Nov 2024 15:43 | | JC/MD | Not Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX043916.D | 20 Nov 2024 16:11 | %D failed for Comp. #71,74,90,92 in 01 PPB | JC/MD | Not Ok |
| 3 | VSTDICC005 | VSTDICC005 | VX043917.D | 20 Nov 2024 16:57 | %D failed for Comp. #81 in 05 PPB | JC/MD | Not Ok |
| 4 | VSTDICC020 | VSTDICC020 | VX043918.D | 20 Nov 2024 17:20 | | JC/MD | Not Ok |
| 5 | VSTDICCC050 | VSTDICC050 | VX043919.D | 20 Nov 2024 17:43 | | JC/MD | Not Ok |
| 6 | VSTDICC100 | VSTDICC100 | VX043920.D | 20 Nov 2024 18:06 | | JC/MD | Not Ok |
| 7 | VSTDICC150 | VSTDICC150 | VX043921.D | 20 Nov 2024 18:30 | | JC/MD | Not Ok |
| 8 | IBLK | IBLK | VX043922.D | 20 Nov 2024 18:53 | | JC/MD | Not Ok |
| 9 | VSTDICV050 | ICVVX112124 | VX043923.D | 20 Nov 2024 19:16 | Failed | JC/MD | Not Ok |
| 10 | BFB | BFB | VX043924.D | 21 Nov 2024 08:51 | | JC/MD | Ok |
| 11 | VSTDICC001 | VSTDICC001 | VX043925.D | 21 Nov 2024 09:47 | %D failed for Comp. #71 in 01 PPB | JC/MD | Ok,M |
| 12 | VSTDICC005 | VSTDICC005 | VX043926.D | 21 Nov 2024 10:14 | QR- 58,71 | JC/MD | Ok,M |
| 13 | VSTDICC020 | VSTDICC020 | VX043927.D | 21 Nov 2024 10:37 | | JC/MD | Ok,M |
| 14 | VSTDICCC050 | VSTDICCC050 | VX043928.D | 21 Nov 2024 11:17 | | JC/MD | Ok,M |
| 15 | VSTDICC100 | VSTDICC100 | VX043929.D | 21 Nov 2024 11:40 | | JC/MD | Ok,M |
| 16 | VSTDICC150 | VSTDICC150 | VX043930.D | 21 Nov 2024 12:03 | | JC/MD | Ok,M |
| 17 | IBLK | IBLK | VX043931.D | 21 Nov 2024 12:27 | | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112124

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/21/2024 9:44:50 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/22/2024 3:34:00 PM | | |
| SubDirectory | VX112124 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131686,VP131690 |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |
| CCC | VP131691 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP131722 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | VSTDICV050 | ICVVX112124 | VX043932.D | 21 Nov 2024 13:57 | | JC/MD | Ok,M |
| 19 | VX1121MBL01 | VX1121MBL01 | VX043933.D | 21 Nov 2024 14:27 | | JC/MD | Ok |
| 20 | VX1121WBL01 | VX1121WBL01 | VX043934.D | 21 Nov 2024 14:50 | | JC/MD | Ok |
| 21 | VX1121WBS01 | VX1121WBS01 | VX043935.D | 21 Nov 2024 15:13 | | JC/MD | Ok,M |
| 22 | VX1121WBSD01 | VX1121WBSD01 | VX043936.D | 21 Nov 2024 15:40 | | JC/MD | Ok,M |
| 23 | P4921-01 | WC-11-A-202411 | VX043937.D | 21 Nov 2024 16:03 | vial B pH#5.0 | JC/MD | Ok |
| 24 | P4934-01 | TB01-20241118 | VX043938.D | 21 Nov 2024 16:27 | vial A pH<2 TB; | JC/MD | Ok |
| 25 | P4934-09 | FB01-20241119 | VX043939.D | 21 Nov 2024 16:50 | vial A pH<2 FB; | JC/MD | Ok |
| 26 | P4934-11 | RB01-20241119 | VX043940.D | 21 Nov 2024 17:13 | vial A pH<2 | JC/MD | Ok |
| 27 | P4934-02 | BPOW6-11-20241118 | VX043941.D | 21 Nov 2024 17:36 | vial A pH<2 | JC/MD | Ok |
| 28 | P4934-03 | BPOW6-7-20241118 | VX043942.D | 21 Nov 2024 17:59 | vial A pH<2 | JC/MD | Ok |
| 29 | P4934-08 | BPOW6-9-20241119 | VX043943.D | 21 Nov 2024 18:23 | vial A pH<2 | JC/MD | Ok |
| 30 | P4934-10 | BPOW6-8-20241119 | VX043944.D | 21 Nov 2024 18:46 | vial A pH<2 | JC/MD | Ok |
| 31 | P4934-04 | DUP01-20241118 | VX043945.D | 21 Nov 2024 19:09 | vial A pH<2 | JC/MD | Ok |
| 32 | P4934-12 | DUP02-20241119 | VX043946.D | 21 Nov 2024 19:32 | vial A pH<2 | JC/MD | Ok |
| 33 | P4934-05 | BPOW6-10-20241119 | VX043947.D | 21 Nov 2024 19:55 | vial A pH<2 | JC/MD | Ok |
| 34 | VSTDCCC050 | VSTDCCC050EC | VX043948.D | 21 Nov 2024 20:18 | | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/25/2024 9:54:33 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/25/2024 2:02:46 PM | | |
| SubDirectory | VX112224 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131748 |
| Initial Calibration Stds | |
| CCC | VP131749,VP131750 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX043949.D | 22 Nov 2024 10:54 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX043950.D | 22 Nov 2024 11:22 | V13516 | JC/MD | Ok,M |
| 3 | VX1122MBL01 | VX1122MBL01 | VX043951.D | 22 Nov 2024 11:50 | | JC/MD | Ok |
| 4 | VX1122WBL01 | VX1122WBL01 | VX043952.D | 22 Nov 2024 12:13 | | JC/MD | Ok |
| 5 | VX1122WBS01 | VX1122WBS01 | VX043953.D | 22 Nov 2024 12:36 | | JC/MD | Ok,M |
| 6 | VX1122WBSD01 | VX1122WBSD01 | VX043954.D | 22 Nov 2024 13:02 | | JC/MD | Ok,M |
| 7 | P4947-01 | A3988 | VX043955.D | 22 Nov 2024 13:25 | vial A pH<2 | JC/MD | Ok |
| 8 | P4846-09 | TB-1-20241113 | VX043956.D | 22 Nov 2024 13:48 | vial A pH<2 TB | JC/MD | Ok |
| 9 | P4846-10 | FSND-RB-3-20241113 | VX043957.D | 22 Nov 2024 14:11 | vial A pH<2 | JC/MD | Ok |
| 10 | P4846-01 | FSND-MW-EVAL-03D-2 | VX043958.D | 22 Nov 2024 14:34 | vial A pH<2 Need 5X | JC/MD | Dilution |
| 11 | P4846-02 | FSND-MW-EVAL-03S-2 | VX043959.D | 22 Nov 2024 14:57 | vial A pH<2 | JC/MD | Ok |
| 12 | P4887-06 | MH-760 | VX043960.D | 22 Nov 2024 15:20 | vial A pH#5.0 | JC/MD | Ok |
| 13 | P4846-04 | FSND-MW-EVAL-04S-2 | VX043961.D | 22 Nov 2024 15:43 | vial A pH<2 | JC/MD | Ok |
| 14 | P4846-08 | FSND-MW-26-2024111 | VX043962.D | 22 Nov 2024 16:06 | vial A pH<2 | JC/MD | Ok |
| 15 | P4846-11 | FSND-MW-24-2024111 | VX043963.D | 22 Nov 2024 16:29 | vial A pH<2 | JC/MD | Ok |
| 16 | P4846-12 | FSND-MW-15-2024111 | VX043964.D | 22 Nov 2024 16:52 | vial A pH<2 | JC/MD | Ok |
| 17 | P4846-13 | FSND-MW-EVAL-02D-2 | VX043965.D | 22 Nov 2024 17:16 | vial A pH<2 | JC/MD | Ok |
| 18 | P4846-14 | FSND-MW-EVAL-02S-2 | VX043966.D | 22 Nov 2024 17:39 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX112224

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 11/25/2024 9:54:33 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 11/25/2024 2:02:46 PM | | |
| SubDirectory | VX112224 | HP Acquire Method | | HP Processing Method | 82X112124W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP131748 |
| Initial Calibration Stds | |
| CCC | VP131749,VP131750 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | P4846-15 | FSND-FD-4-20241113 | VX043967.D | 22 Nov 2024 18:01 | vial A pH<2 | JC/MD | Ok |
| 20 | P4846-16 | FSND-MW-EVAL-01D-2 | VX043968.D | 22 Nov 2024 18:25 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 21 | P4846-17 | FSND-MW-EVAL-01S-2 | VX043969.D | 22 Nov 2024 18:47 | vial A pH<2 | JC/MD | Ok |
| 22 | P4846-03 | FSND-FD-3-20241113 | VX043970.D | 22 Nov 2024 19:10 | vial A pH<2 | JC/MD | Ok |
| 23 | P4873-01 | FSND-RB-4-20241114 | VX043971.D | 22 Nov 2024 19:33 | vial A pH<2 | JC/MD | Ok |
| 24 | P4873-03 | TB-2 | VX043972.D | 22 Nov 2024 19:56 | vial A pH<2 TB | JC/MD | Ok |
| 25 | P4934-06MS | BPOW6-10-20241119M | VX043973.D | 22 Nov 2024 20:19 | vial A pH<2 | JC/MD | Ok,M |
| 26 | P4934-07MSD | BPOW6-10-20241119M | VX043974.D | 22 Nov 2024 20:42 | vial A pH<2 | JC/MD | Ok,M |
| 27 | VSTDCCC050 | VSTDCCC050EC | VX043975.D | 22 Nov 2024 21:05 | | JC/MD | Ok,M |

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# Prep Standard - Chemical Standard Summary

**Order ID :** P4934

**Test :** VOCMS Group1

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VX112124,VX112224,

**Standard ID :**
VP128290,VP128298,VP128632,VP128762,VP128764,VP128766,VP128768,VP129195,VP130430,VP130434,VP131063,VP131134,VP131136,VP131314,VP131317,VP131319,VP131686,VP131690,VP131691,VP131716,VP131717,VP131718,VP131719,VP131720,VP131721,VP131722,VP131746,VP131748,VP131749,VP131750,

**Chemical ID :**
V12794,V12798,V12966,V13390,V13444,V13448,V13462,V13463,V13581,V13707,V13797,V13810,V13820,V13917,V13918,V13964,V14018,V14019,V14096,V14107,V14108,V14125,V14143,V14145,V14147,V14148,V14150,V14154,V14171,V14172,V14178,V14203,V14206,V14215,V14288,V14289,V14436,V14443,V14573,V14574,V14575,V14578,V14579,W3112,

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP128290 | 06/10/2024 | 11/23/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/12/2024 |

**FROM** 0.25000ml of V13390 + 24.75000ml of V14148 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 247 | 8260 Internal Standard, 250PPM | VP128298 | 06/10/2024 | 11/23/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/12/2024 |

**FROM** 0.10000ml of V14288 + 9.90000ml of V14148 = Final Quantity: 10.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1817 | 8260 Working Std(2-CVE)-SS, 800ppm | VP128632 | 06/25/2024 | 12/11/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/02/2024 |

**FROM** 0.80000ml of V13581 + 9.20000ml of V14147 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1810 | 8260 Working Std(2-CVE)-800ppm | VP128762 | 07/01/2024 | 12/11/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/02/2024 |

**FROM** 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = Final Quantity: 25.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1812 | 8260 Working Std(2-CVE)-100ppm | VP128764 | 07/01/2024 | 12/11/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/02/2024 |

**FROM** 0.20000ml of V12798 + 19.08000ml of V14147 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 719 | 8260 Working STD (BCM)-First source, 400PPM | VP128766 | 07/01/2024 | 12/11/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/02/2024 |

**FROM** 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 253 | 8260 Working STD (BCM)-First source, 20PPM | VP128768 | 07/01/2024 | 12/11/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/02/2024 |

**FROM** 0.10000ml of V13463 + 9.90000ml of V14147 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 262 | 8260 Working STD (BCM)-Second source, 100PPM | VP129195 | 07/22/2024 | 01/22/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 07/26/2024 |

**FROM** 1.00000ml of V12966 + 9.00000ml of V14143 = Final Quantity: 10.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 617 | 8260 Surrogate, 400PPM | VP130430 | 09/20/2024 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/26/2024 |

**FROM** 0.40000ml of V13707 + 24.60000ml of V14145 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1738 | 8260 surrogate 20 ppm | VP130434 | 09/20/2024 | 02/28/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/02/2024 |

**FROM** 0.02000ml of V13707 + 24.99000ml of V14145 = Final Quantity: 25.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 259 | 8260 Calibration Working STD Mix-Second source, 160PPM | VP131063 | 10/23/2024 | 12/01/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/28/2024 |

**FROM** 0.16000ml of V13448 + 0.60000ml of V13917 + 0.80000ml of V13820 + 0.80000ml of V13964 + 0.80000ml of V14096 + 0.80000ml of V14125 + 0.80000ml of V14178 + 1.00000ml of V13918 + 4.24000ml of V14150 = Final Quantity: 10.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP131134 | 10/28/2024 | 12/07/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/30/2024 |

**FROM** 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 245 | 8260 Calibration Working STD Mix-First source, 20PPM | VP131136 | 10/28/2024 | 12/07/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 10/30/2024 |

**FROM** 17.50000ml of V14150 + 2.50000ml of VP131134 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 263 | 8260 Working STD (Acrolein)-Second source, 800PPM | VP131314 | 11/07/2024 | 11/29/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/26/2024 |

**FROM** 0.60000ml of V14579 + 1.00000ml of V14578 + 8.40000ml of V14150 = Final Quantity: 10.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP131317 | 11/07/2024 | 11/30/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/13/2024 |

**FROM** 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 180 | 8260 Working STD (Acrolein)-First source, 100PPM | VP131319 | 11/07/2024 | 11/30/2024 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/13/2024 |

**FROM** 17.50000ml of V14150 + 2.50000ml of VP131317 = Final Quantity: 20.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP131686 | 11/20/2024 | 11/21/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP131690 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP131691 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 334 | 1 PPB ICC, 8260-Water | VP131716 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.98200ml of W3112 + 0.00200ml of VP128764 + 0.00200ml of VP128768 + 0.00200ml of VP130434 + 0.00200ml of VP131136 + 0.00200ml of VP131319 + 0.00800ml of VP128298 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 335 | 5 PPB ICC, 8260-Water | VP131717 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.94200ml of W3112 + 0.00800ml of VP128298 + 0.01000ml of VP128764 + 0.01000ml of VP128768 + 0.01000ml of VP130434 + 0.01000ml of VP131136 + 0.01000ml of VP131319 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 337 | 20 PPB ICC, 8260-Water | VP131718 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.97000ml of W3112 + 0.00200ml of VP128766 + 0.00200ml of VP130430 + 0.00500ml of VP128762 + 0.00500ml of VP131134 + 0.00500ml of VP131317 + 0.00800ml of VP128298 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 380 | 50 PPB ICC, 8260-Water | VP131719 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 381 | 100 PPB ICC, 8260-Water | VP131720 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.89700ml of W3112 + 0.00800ml of VP128298 + 0.01000ml of VP128766 + 0.01000ml of VP130430 + 0.02500ml of VP128762 + 0.02500ml of VP131134 + 0.02500ml of VP131317 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 382 | 150 PPB ICC, 8260-Water | VP131721 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.84950ml of W3112 + 0.00800ml of VP128298 + 0.01500ml of VP128766 + 0.01500ml of VP130430 + 0.03750ml of VP128762 + 0.03750ml of VP131134 + 0.03750ml of VP131317 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 385 | 50 PPB ICV, 8260-Water | VP131722 | 11/21/2024 | 11/22/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.92950ml of W3112 + 0.00500ml of VP130430 + 0.00800ml of VP128298 + 0.01250ml of VP128632 + 0.01250ml of VP131063 + 0.01250ml of VP131314 + 0.02000ml of VP129195 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 247 | 8260 Internal Standard, 250PPM | VP131746 | 11/22/2024 | 05/18/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 0.50000ml of V14289 + 49.50000ml of V14154 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP131748 | 11/22/2024 | 11/23/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP128290 = Final Quantity: 40.000 ml

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP131749 | 11/22/2024 | 11/23/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 620 | 50 PPB CCC, 8260-Water | VP131750 | 11/22/2024 | 11/23/2024 | John Carlone | None | None | Mahesh Dadoda 11/23/2024 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95318 / 2-Chloroethyl Vinyl Ether (Min = 5) | 121321 | 12/13/2024 | 06/25/2024 / SAM | 03/30/2022 / SAM | V12794 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95318 / 2-Chloroethyl Vinyl Ether (Min = 5) | 121321 | 12/13/2024 | 06/25/2024 / SAM | 03/30/2022 / SAM | V12798 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 70046 / Bromochloromethane Std. sol/methanol 1000ppm | 070122 | 01/22/2025 | 07/22/2024 / SAM | 07/06/2022 / SAM | V12966 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30067 / BFB tuneing solution | A0191805 | 12/08/2024 | 12/08/2023 / SAM | 01/13/2023 / SAM | V13390 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0181905 | 12/14/2024 | 06/14/2024 / SAM | 01/23/2023 / SAM | V13444 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0191703 | 12/03/2024 | 06/03/2024 / SAM | 01/23/2023 / SAM | V13448 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 01/01/2025 | 07/01/2024 / SAM | 01/27/2023 / SAM | V13462 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 01/01/2025 | 07/01/2024 / SAM | 01/27/2023 / SAM | V13463 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95318 / 2-Chloroethyl Vinyl Ether (Min = 5) | 111722 | 12/25/2024 | 06/25/2024 / SAM | 01/30/2023 / SAM | V13581 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 06/10/2025 | 06/10/2024 / SAM | 04/12/2023 / SAM | V13707 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0194279 | 04/17/2025 | 10/17/2024 / SAM | 05/31/2023 / SAM | V13797 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0194279 | 04/17/2025 | 10/17/2024 / SAM | 05/31/2023 / SAM | V13810 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0197644 | 04/14/2025 | 10/14/2024 / SAM | 05/31/2023 / SAM | V13820 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0193887 | 04/14/2025 | 10/14/2024 / SAM | 07/24/2023 / SAM | V13917 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0193887 | 04/17/2025 | 10/17/2024 / SAM | 07/24/2023 / SAM | V13918 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0199224 | 12/31/2024 | 09/04/2024 / SAM | 09/25/2023 / SAM | V13964 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/16/2025 | 09/16/2024 / SAM | 11/22/2023 / SAM | V14018 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/16/2025 | 09/16/2024 / SAM | 11/22/2023 / SAM | V14019 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0205177 | 03/04/2025 | 09/04/2024 / SAM | 12/22/2023 / SAM | V14096 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0205179 | 04/17/2025 | 10/17/2024 / SAM | 12/22/2023 / SAM | V14107 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS | A0205179 | 03/16/2025 | 09/16/2024 / SAM | 12/22/2023 / SAM | V14108 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 011624 | 04/17/2025 | 10/17/2024 / SAM | 01/17/2024 / SAM | V14125 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 01/22/2025 | 07/22/2024 / SAM | 02/06/2024 / SAM | V14143 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 02/28/2025 | 08/29/2024 / SAM | 02/06/2024 / SAM | V14145 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 12/11/2024 | 06/11/2024 / pedro | 02/06/2024 / SAM | V14147 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 11/23/2024 | 05/23/2024 / pedro | 02/06/2024 / SAM | V14148 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 04/23/2025 | 10/23/2024 / Rajesh | 02/06/2024 / SAM | V14150 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 05/18/2025 | 11/18/2024 / pedro | 02/06/2024 / SAM | V14154 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/16/2025 | 09/16/2024 / SAM | 02/20/2024 / SAM | V14171 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/16/2025 | 09/16/2024 / SAM | 02/20/2024 / SAM | V14172 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021524 | 04/17/2025 | 10/17/2024 / SAM | 02/20/2024 / SAM | V14178 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 04/17/2025 | 10/17/2024 / SAM | 02/28/2024 / SAM | V14203 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 04/17/2025 | 10/17/2024 / SAM | 02/28/2024 / SAM | V14206 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 03/16/2025 | 09/16/2024 / SAM | 02/28/2024 / SAM | V14215 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 06/10/2025 | 06/10/2024 / SAM | 04/15/2024 / SAM | V14288 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 11/22/2025 | 11/22/2024 / SAM | 04/15/2024 / SAM | V14289 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 09/30/2025 | 09/16/2024 / SAM | 08/15/2024 / SAM | V14436 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Restek | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 03/16/2025 | 09/16/2024 / SAM | 08/15/2024 / SAM | V14443 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024 | 11/04/2024 / SAM | 11/01/2024 / SAM | V14573 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024 | 11/04/2024 / SAM | 11/01/2024 / SAM | V14574 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024 | 11/04/2024 / SAM | 11/01/2024 / SAM | V14575 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 102924 | 11/29/2024 | 11/04/2024 / SAM | 11/01/2024 / SAM | V14578 |

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# CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 102924 | 11/29/2024 | 11/04/2024 / SAM | 11/01/2024 / SAM | V14579 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / Iwona | 07/03/2024 / Iwona | W3112 |

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

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ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

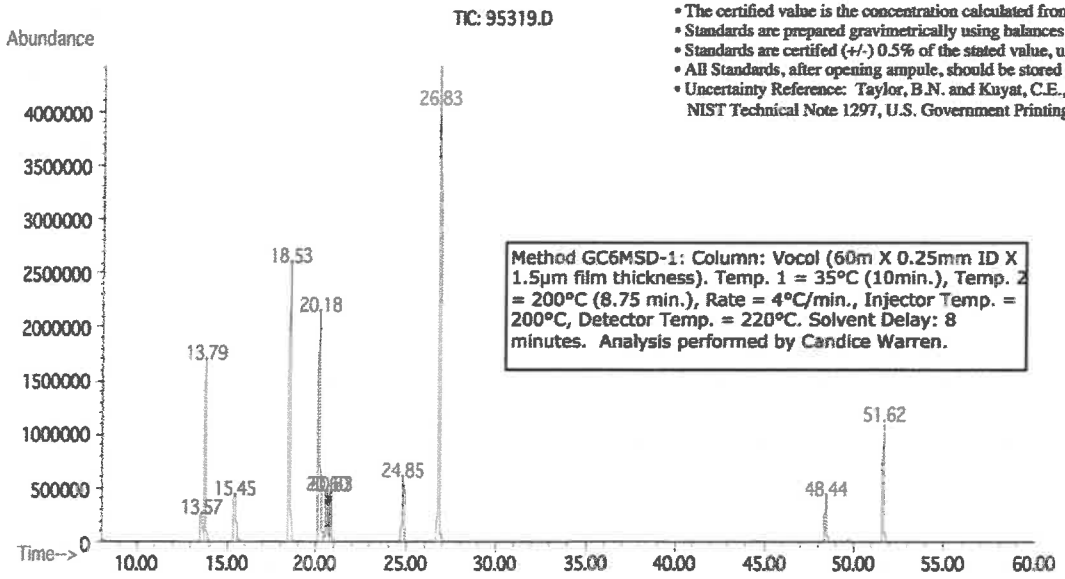
**Part Number:** 95319
**Lot Number:** 011624
**Description:** Revised Additions Mix
11 components
**Expiration Date:** 011627
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB

Solvent(s): Methanol Lot# EH471-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 011624 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 011624 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrylonitrile | 7 | 4718CK | 10000 | 99 | 0.2 | 1.01035 | 1.01080 | 10004.4 | 40.6 | 107-13-1 | N/A | orl-rat 78 mg/kg |
| 2. 1-Chlorobutane | 1072 | MKCM5711 | 2000 | 99.99 | 0.2 | 0.20007 | 0.20035 | 2002.8 | 8.1 | 109-69-3 | N/A | orl-rat 2670mg/kg |
| 3. Cyclohexane | 1023 | 28930 | 2000 | 99 | 0.2 | 0.20207 | 0.20222 | 2001.5 | 8.2 | 110-82-7 | 300 ppm (1050mg/m3/8H) | orl-rat 12705mg/kg |
| 4. Di-isopropyl ether (DIPE) | 987 | 00412MX | 2000 | 99 | 0.2 | 0.20207 | 0.20227 | 2002.0 | 8.2 | 108-20-3 | 500 ppm (2100mg/m3/8H) | orl-rat 8470mg/kg |
| 5. 1,4-Dioxane | 373 | 03853KE | 40000 | 99 | 0.2 | 4.04142 | 4.04213 | 40007.0 | 162.5 | 123-91-1 | 25 ppm (90mg/m3/8H)(skin) | orl-mus 5700mg/kg |
| 6. Hexachloroethane | 199 | 12604HBV | 2000 | 99 | 0.2 | 0.20207 | 0.20221 | 2001.4 | 8.2 | 67-72-1 | 1 ppm (10mg/m3/8H)(skin) | orl-gpg 4970mg/kg |
| 7. Methylcyclohexane | 1627 | SHBG0199V | 2000 | 99 | 0.2 | 0.20207 | 0.20230 | 2002.3 | 8.2 | 108-87-2 | N/A | orl-mus 2250mg/kg |
| 8. Methyl tert-butyl ether (MTBE) | 209 | 21880 | 2000 | 99 | 0.2 | 0.20207 | 0.20227 | 2002.0 | 8.2 | 1634-04-4 | N/A | orl-rat 4g/kg |
| 9. Propionitrile | 349 | 1395468 | 20000 | 99 | 0.2 | 2.02071 | 2.02150 | 20007.8 | 81.3 | 107-12-0 | N/A | orl-rat 39mg/kg |
| 10. Tetrahydrofuran | 380 | SHBH8330 | 10000 | 99.9 | 0.2 | 1.00125 | 1.00200 | 10007.5 | 40.3 | 109-99-9 | 20 ppm (590mg/m3/8H) | orl-rat 1650mg/kg |
| 11. 1,2,3,4-Tetramethylbenzene | 491 | AP01 | 2000 | 93 | 0.2 | 0.21511 | 0.21522 | 2001.0 | 8.7 | 488-23-3 | N/A | orl-rat 6408mg/kg |




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

| Name | MSD RT (min.) |
|---|---|
| Methyl tert-butyl ether (MTBE) | 13.56 |
| Acrylonitrile | 13.79 |
| Di-isopropyl ether | 15.44 |
| Propionitrile | 18.53 |
| Tetrahydrofuran | 20.17 |
| Cyclohexane | 20.58 |
| 1-Chlorobutane | 20.83 |
| Methylcyclohexane | 24.84 |
| 1,4-Dioxane | 26.84 |
| Hexachloroethane | 48.44 |
| 1,2,3,4-Tetramethylbenzene | 51.62 |

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021524
Description: Universal VOA Megamix
69 components
Expiration Date: 021527
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 8UTB

Solvent(s): Methanol Lot# EG359-USQ12

Formulated By: Mario Luis 021524 DATE

Reviewed By: Pedro L. Rentas 021524 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 5E-05 Balance Uncertainty 0.021 Flask Uncertainty

| | Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expended Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20022 | 2001.5 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. | Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20222 | 2001.5 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. | Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. | cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21060 | 2000.2 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. | trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20734 | 2000.3 | 8.4 | 110-57-6 | N/A | N/A |
| 6. | Diethyl ether | (0153) | IK18CAS000( | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20042 | 2001.7 | 8.1 | 60-29-7 | N/A | N/A |
| 7. | Ethyl methacrylate | (0381) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20231 | 2002.4 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. | Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20118 | 2001.2 | 8.1 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. | 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. | Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20209 | 2000.2 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. | Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20042 | 2001.7 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. | Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20030 | 2000.5 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. | Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. | 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20570 | 2001.0 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. | Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20415 | 2000.2 | 8.3 | 76-01-7 | N/A | N/A |
| 16. | 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20210 | 2000.3 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. | Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. | Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. | cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. | trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. | Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. | 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. | Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. | Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. | Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. | Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. | 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. | 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. | Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. | 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. | 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. | 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. | 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. | 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. | 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. | 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. | cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. | trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.6 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. | Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. | 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. | 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. | 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (45mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. | Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. | 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. | Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. | Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. | n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. | Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. | p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. | Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. | Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. | Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. | 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. | 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. | 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. | 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. | m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. | tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. | sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. | Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. | 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. | 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. | 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. | 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. | 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. | Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. | n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. | o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. | p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

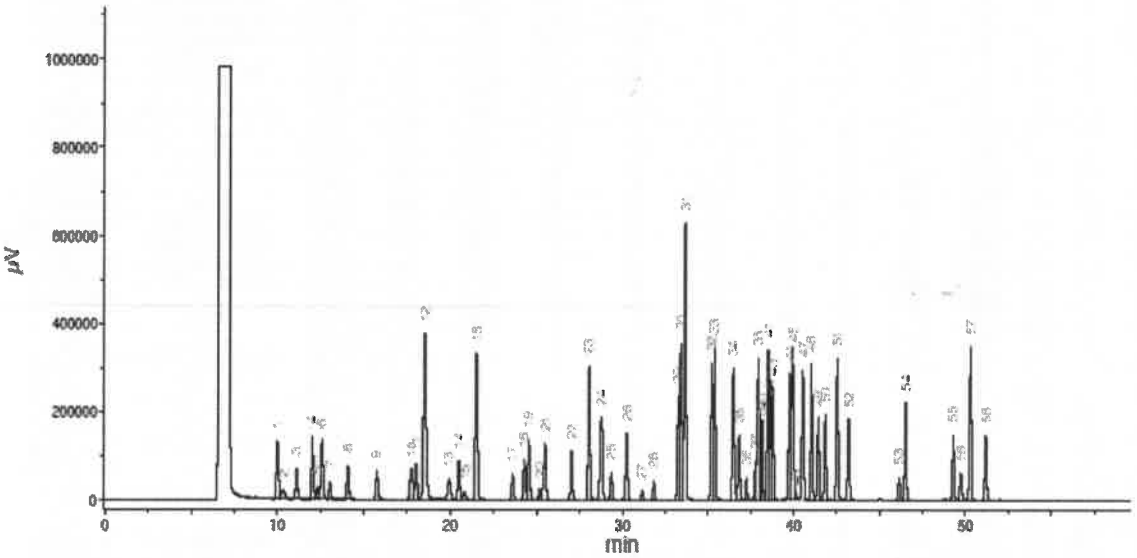
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Run 17, "P95317 L021524 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 10:04:27 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

### Comments

GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydrogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.49 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.48 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.26 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.66 |
| 32 | o-Xylene | 33.22 |
| 33 | Styrene | 35.39 |
| 34 | Isopropylbenzene/Bromoform | 36.48 |
| 35 | cis-1,4-Dichloro-2-butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.92 |
| 39 | trans-1,4-Dichloro-2-butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.50 |
| 42 | 2-Chlorotoluene | 38.62 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.52 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 48.26 |
| 56 | Hexachlorobutadiene | 49.22 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

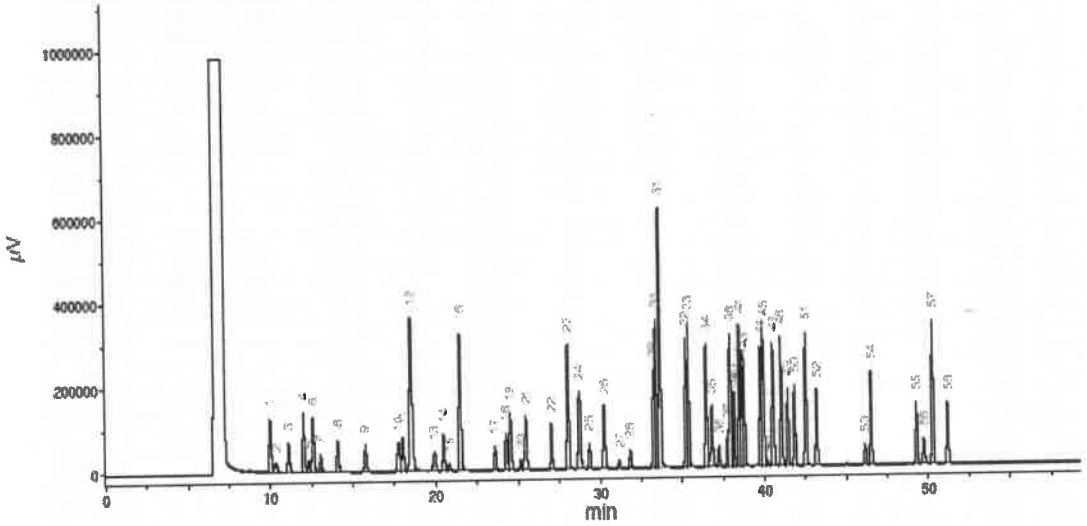
| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

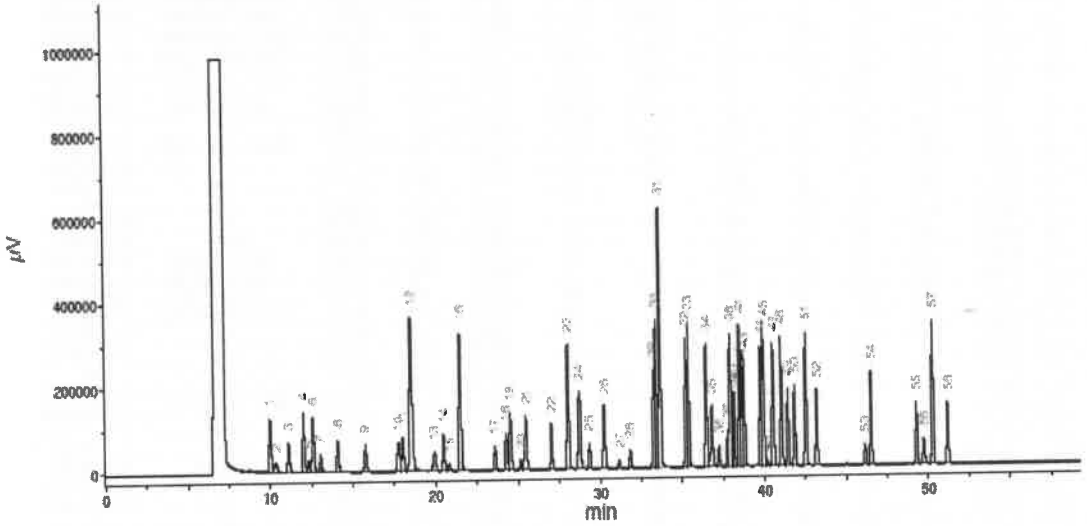
| Compound | (RM#) Part Number | Lot Number | Dil. Factor | Initial Vol. (mL) | Initial Conc.(ug/mL) | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Uncertainty Pipette (mL) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acetonitrile | (0324) | 021644 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20020 | 2001.3 | 8.1 | 75-05-8 | 40 ppm (70mg/m3/8H) | orl-rat 2460mg/kg |
| 2. Allyl chloride (3-Chloropropene) | (0325) | 102396 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 107-05-1 | 1 ppm (3mg/m3/8H) | orl-rat 700mg/kg |
| 3. Carbon disulphide | (0060) | MKCR8561 | NA | NA | NA | 2000 | 99.99 | 0.2 | NA | 0.20007 | 0.20023 | 2001.6 | 8.1 | 75-15-0 | 4 ppm (12mg/m3) (skin) | orl-rat 1200mg/kg |
| 4. cis-1,4-Dichloro-2-butene | (1196) | 14718EF | NA | NA | NA | 2000 | 95 | 0.2 | NA | 0.21058 | 0.21069 | 2001.1 | 8.5 | 1476-11-5 | N/A | N/A |
| 5. trans-1,4-Dichloro-2-butene | (0486) | MKBP6041V | NA | NA | NA | 2000 | 96.5 | 0.2 | NA | 0.20731 | 0.20748 | 2001.7 | 8.4 | 110-57-6 | N/A | N/A |
| 6. Diethyl ether | (0153) | IK18CAS0000 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 60-29-7 | N/A | N/A |
| 7. Ethyl methacrylate | (0361) | 06126PX | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20230 | 2002.3 | 8.2 | 97-63-2 | N/A | orl-rat 14800mg/kg |
| 8. Iodomethane | (0489) | SHBF8718V | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20121 | 2001.5 | 8.2 | 74-88-4 | 5 ppm(28mg/m3/8H)(skin) | orl-rat 76mg/kg |
| 9. 2-Methyl-1-propanol | (0445) | 15241EB | NA | NA | NA | 2000 | 99.5 | 0.2 | NA | 0.20106 | 0.20120 | 2001.4 | 8.1 | 78-83-1 | 50 ppm (150mg/m3/8H) | orl-rat 2460mg/kg |
| 10. Methacrylonitrile | (0442) | 00427ET | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20221 | 2001.4 | 8.2 | 126-98-7 | 1 ppm (3mg/m3/8H)(skin) | orl-rat 120mg/kg |
| 11. Methyl acrylate | (1075) | SHBK0679 | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20040 | 2001.5 | 8.1 | 96-33-3 | 10 ppm(35mg/m3/8H)(skin) | orl-rat 277mg/kg |
| 12. Methyl methacrylate | (0404) | MKBW5137V | NA | NA | NA | 2000 | 99.9 | 0.2 | NA | 0.20025 | 0.20041 | 2001.6 | 8.1 | 80-62-6 | 100 ppm (410mg/m3/8H) | orl-rat 7872mg/kg |
| 13. Nitrobenzene | (0228) | 01213TV | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20220 | 2001.3 | 8.2 | 98-95-3 | 1 ppm (5mg/m3/8H)(skin) | orl-rat 780mg/kg |
| 14. 2-Nitropropane | (0461) | 14002JX | NA | NA | NA | 2000 | 97.3 | 0.2 | NA | 0.20560 | 0.20577 | 2001.6 | 8.3 | 79-46-9 | 10 ppm (35mg/m3/8H) | orl-rat 720mg/kg |
| 15. Pentachloroethane | (0450) | HGA01 | NA | NA | NA | 2000 | 98 | 0.2 | NA | 0.20413 | 0.20430 | 2001.6 | 8.3 | 76-01-7 | N/A | N/A |
| 16. 1,1,2-Trichlorotrifluoroethane | (0474) | 18930 | NA | NA | NA | 2000 | 99 | 0.2 | NA | 0.20207 | 0.20225 | 2001.8 | 8.2 | 76-13-1 | 1000 ppm (7600mg/m3/8H) | orl-rat 43g/kg |
| 17. Bromodichloromethane | 35171 | 101623 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-27-4 | N/A | orl-rat 916mg/kg |
| 18. Dibromochloromethane | 35171 | 101623 | 0.05 | 5.00 | 40002.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 124-48-1 | N/A | orl-rat 848mg/kg |
| 19. cis-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 156-59-2 | N/A | N/A |
| 20. trans-1,2-Dichloroethene | 35171 | 101623 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 156-60-5 | N/A | orl-rat 1235mg/kg |
| 21. Methylene chloride | 35171 | 101623 | 0.05 | 5.00 | 40002.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 75-09-2 | 500 ppm | orl-rat 820mg/kg |
| 22. 1,1-Dichloroethene | 32251 | 102023 | 0.10 | 10.00 | 20001.6 | 2000 | NA | NA | 0.042 | NA | NA | 1999.7 | 20.4 | 75-35-4 | 1 ppm (4mg/m3/8H) | orl-rat 200mg/kg |
| 23. Bromoform | 95321 | 020724 | 0.10 | 10.00 | 20003.2 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-25-2 | 0.5 ppm (5mg/m3) (skin) | orl-rat 933mg/kg |
| 24. Carbon tetrachloride | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 56-23-5 | 2 ppm (12.6mg/m3/8H) | orl-rat 2350mg/kg |
| 25. Chloroform | 95321 | 020724 | 0.10 | 10.00 | 20024.0 | 2000 | NA | NA | 0.042 | NA | NA | 2001.9 | 20.5 | 67-66-3 | 50 ppm (240mg/m3) (CL) | orl-rat 908mg/kg |
| 26. Dibromomethane | 95321 | 020724 | 0.10 | 10.00 | 20002.9 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 74-95-3 | N/A | orl-rat 108mg/kg |
| 27. 1,1-Dichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 75-34-3 | 100 ppm | orl-rat 725mg/kg |
| 28. 2,2-Dichloropropane | 95321 | 020724 | 0.10 | 10.00 | 20003.4 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.4 | 594-20-7 | N/A | N/A |
| 29. Tetrachloroethene | 95321 | 020724 | 0.10 | 10.00 | 20201.1 | 2000 | NA | NA | 0.042 | NA | NA | 2019.6 | 20.6 | 127-18-4 | 25 ppm (170mg/m3/8H)(final) | orl-rat 2629mg/kg |
| 30. 1,1,1-Trichloroethane | 95321 | 020724 | 0.10 | 10.00 | 20003.0 | 2000 | NA | NA | 0.042 | NA | NA | 1999.8 | 20.5 | 71-55-6 | 350 ppm (1900mg/m3/8H) | orl-rat 10300mg/kg |
| 31. 1,2-Dibromo-3-chloropropane | 35161 | 112322 | 0.05 | 5.00 | 40016.5 | 2000 | NA | NA | 0.017 | NA | NA | 2000.3 | 22.9 | 96-12-8 | 0.001 ppm | orl-rat 170mg/kg |
| 32. 1,2-Dibromoethane | 35161 | 112322 | 0.05 | 5.00 | 40024.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.7 | 22.9 | 106-93-4 | 20 ppm (8H) | orl-rat 108mg/kg |
| 33. 1,2-Dichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40018.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 22.9 | 107-06-2 | 50 ppm (8H) | orl-rat 670mg/kg |
| 34. 1,2-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40051.0 | 2000 | NA | NA | 0.017 | NA | NA | 2002.0 | 22.9 | 78-87-5 | 75 ppm (350mg/m3/8H) | orl-rat 1947mg/kg |
| 35. 1,3-Dichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40005.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 142-28-9 | N/A | unr-mus 3600mg/kg |
| 36. 1,1-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40012.1 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 29.7 | 563-58-6 | N/A | N/A |
| 37. cis-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40010.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.0 | 23.0 | 10061-01-5 | N/A | N/A |
| 38. trans-1,3-Dichloropropene | 35161 | 112322 | 0.05 | 5.00 | 40017.8 | 2000 | NA | NA | 0.017 | NA | NA | 2000.4 | 23.0 | 10061-02-6 | N/A | N/A |
| 39. Hexachloro-1,3-butadiene | 35161 | 112322 | 0.05 | 5.00 | 40021.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.6 | 29.7 | 87-68-3 | 0.02 ppm (0.24mg/m3/8H) | orl-rat 82mg/kg |
| 40. 1,1,1,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40011.9 | 2000 | NA | NA | 0.017 | NA | NA | 2000.1 | 22.9 | 630-20-6 | N/A | orl-rat 670mg/kg |
| 41. 1,1,2,2-Tetrachloroethane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 79-34-5 | 5 ppm (35mg/m3/8H)(skin) | orl-rat 800mg/kg |
| 42. 1,1,2-Trichloroethane | 35161 | 112322 | 0.05 | 5.00 | 40006.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 23.0 | 79-00-5 | 10 ppm (46mg/m3/8H)(skin) | orl-rat 836mg/kg |
| 43. Trichloroethene | 35161 | 112322 | 0.05 | 5.00 | 40029.0 | 2000 | NA | NA | 0.017 | NA | NA | 2000.9 | 22.9 | 79-01-6 | 50 ppm (270mg/m3/8H) | orl-mus 2402mg/kg |
| 44. 1,2,3-Trichloropropane | 35161 | 112322 | 0.05 | 5.00 | 40007.5 | 2000 | NA | NA | 0.017 | NA | NA | 1999.9 | 22.9 | 96-18-4 | 10 ppm (60mg/m3/8H) | orl-rat 149.6mg/kg |
| 45. Benzene | 35162 | 050823 | 0.05 | 5.00 | 40005.0 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 71-43-2 | 1 ppm | orl-rat 4894mg/kg |
| 46. Bromobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.9 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-86-1 | N/A | orl-rat 2699mg/kg |
| 47. n-Butyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 104-51-8 | N/A | N/A |
| 48. Ethyl benzene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-41-4 | 100 ppm (435mg/m3/8H) | orl-rat >2000mg/kg |
| 49. p-Isopropyl toluene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 99-87-6 | N/A | orl-rat 4750mg/kg |
| 50. Naphthalene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 91-20-3 | 10 ppm (50mg/m3/8H) | orl-rat 490mg/kg |
| 51. Styrene | 35162 | 050823 | 0.05 | 5.00 | 40004.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 100-42-5 | 100 ppm | orl-rat 5000mg/kg |
| 52. Toluene | 35162 | 050823 | 0.05 | 5.00 | 40006.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-88-3 | 200 ppm | orl-rat 5000mg/kg |
| 53. 1,2,3-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40003.1 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 87-61-6 | N/A | ipr-mus 1390mg/kg |
| 54. 1,2,4-Trichlorobenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 120-82-1 | 5 ppm (CL) (40mg/m3) | orl-rat 756mg/kg |
| 55. 1,2,4-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40001.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 95-63-6 | N/A | orl-rat 5g/kg |
| 56. 1,3,5-Trimethylbenzene | 35162 | 050823 | 0.05 | 5.00 | 40006.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-67-8 | N/A | orl-rat 5000mg/kg |
| 57. m-Xylene | 35162 | 050823 | 0.05 | 5.00 | 40005.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.8 | 22.9 | 108-38-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |
| 58. tert-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40001.2 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 98-06-6 | N/A | N/A |
| 59. sec-Butyl benzene | 35163 | 101923 | 0.05 | 5.00 | 40002.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 135-98-8 | N/A | orl-rat 2240mg/kg |
| 60. Chlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 108-90-7 | 75 ppm (350mg/m3/8H) | orl-rat 2290mg/kg |
| 61. 2-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40000.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 95-49-8 | 50 ppm (250mg/m3/8H) | orl-rat 3900mg/kg |
| 62. 4-Chlorotoluene | 35163 | 101923 | 0.05 | 5.00 | 40003.3 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 106-43-4 | N/A | orl-rat 2100mg/kg |
| 63. 1,2-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 22.9 | 95-50-1 | 50 ppm (300mg/m3) (CL) | orl-rat 500mg/kg |
| 64. 1,3-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.7 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 23.0 | 541-73-1 | N/A | ipr-mus 1062mg/kg |
| 65. 1,4-Dichlorobenzene | 35163 | 101923 | 0.05 | 5.00 | 40001.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.6 | 22.9 | 106-46-7 | 75 ppm (450mg/m3/8H) | orl-rat 500mg/kg |
| 66. Isopropylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 98-82-8 | 50 ppm (245mg/m3/8H) | orl-rat 1400mg/kg |
| 67. n-Propylbenzene | 35163 | 101923 | 0.05 | 5.00 | 40003.4 | 2000 | NA | NA | 0.017 | NA | NA | 1999.7 | 23.0 | 103-65-1 | N/A | orl-rat 6040mg/kg |
| 68. o-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40040.8 | 2000 | NA | NA | 0.017 | NA | NA | 2001.5 | 23.0 | 95-47-6 | 100 ppm (435mg/m3/8H) | ipr-mus 1364mg/kg |
| 69. p-Xylene | 35163 | 101923 | 0.05 | 5.00 | 40000.6 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening sample, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty References: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

## Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

**Comments**
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3




| Peak # | Name | FID RT (min.) |
|---|---|---|
| 1 | Ether | 9.97 |
| 2 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10.33 |
| 3 | 1,1-Dichloroethene | 11.10 |
| 4 | Acetonitrile | 12.00 |
| 5 | Iodomethane | 12.31 |
| 6 | Allyl chloride | 12.56 |
| 7 | Carbon disulfide/Methylene chloride | 13.04 |
| 8 | trans-1,2-Dichloroethene | 14.07 |
| 9 | 1,1-Dichloroethane | 15.74 |
| 10 | 2,2-Dichloropropane | 17.74 |
| 11 | cis-1,2-Dichloroethene | 18.00 |
| 12 | Methacrylonitrile/Methyl acrylate/Chloroform | 18.46 |
| 13 | Isobutanol/1,1,1-Trichloroethane | 19.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.49 |
| 17 | Trichloroethene | 23.58 |
| 18 | 1,2-Dichloropropane | 24.28 |
| 19 | Methyl methacrylate | 24.52 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.02 |
| 23 | Toluene | 28.05 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethene/1,3-Dichloropropane | 30.24 |
| 27 | Dibromochloromethane | 31.16 |
| 28 | 1,2-Dibromoethane | 31.84 |
| 29 | Chlorobenzene | 33.26 |
| 30 | Ethylbenzene/1,1,1,2-Tetrachloroethane | 33.40 |
| 31 | m-Xylene/p-Xylene | 33.86 |
| 32 | o-Xylene | 35.22 |
| 33 | Styrene | 35.38 |
| 34 | Isopropylbenzene/Bromoform | 36.18 |
| 35 | cis-1,4-Dichloro-2-Butene | 36.80 |
| 36 | 1,1,2,2-Tetrachloroethane | 37.23 |
| 37 | 1,2,3-Trichloropropane | 37.77 |
| 38 | n-Propylbenzene | 37.93 |
| 39 | trans-1,4-Dichloro-2-Butene | 38.05 |
| 40 | Bromobenzene | 38.14 |
| 41 | 1,3,5-Trimethylbenzene | 38.80 |
| 42 | 2-Chlorotoluene | 38.82 |
| 43 | 4-Chlorotoluene | 38.77 |
| 44 | tert-Butylbenzene | 39.76 |
| 45 | 1,2,4-Trimethylbenzene | 39.91 |
| 46 | Pentachloroethane | 40.17 |
| 47 | sec-Butylbenzene | 40.52 |
| 48 | p-Isopropyltoluene | 41.02 |
| 49 | 1,3-Dichlorobenzene | 41.42 |
| 50 | 1,4-Dichlorobenzene | 41.83 |
| 51 | n-Butylbenzene | 42.53 |
| 52 | 1,2-Dichlorobenzene | 43.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.48 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.26 |
| 58 | 1,2,3-Trichlorobenzene | 51.16 |

Absolute Standards Inc.
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Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. Hamden CT, 06514 | Emergency Telephone International | **1-352-323-3500** |
| | | Date Prepared/Revised | January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification In accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | | % (optional) |
|---|---|---|---|
| Methanol | METHYL ALCOHOL | CAS#: 67-56-1 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
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*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

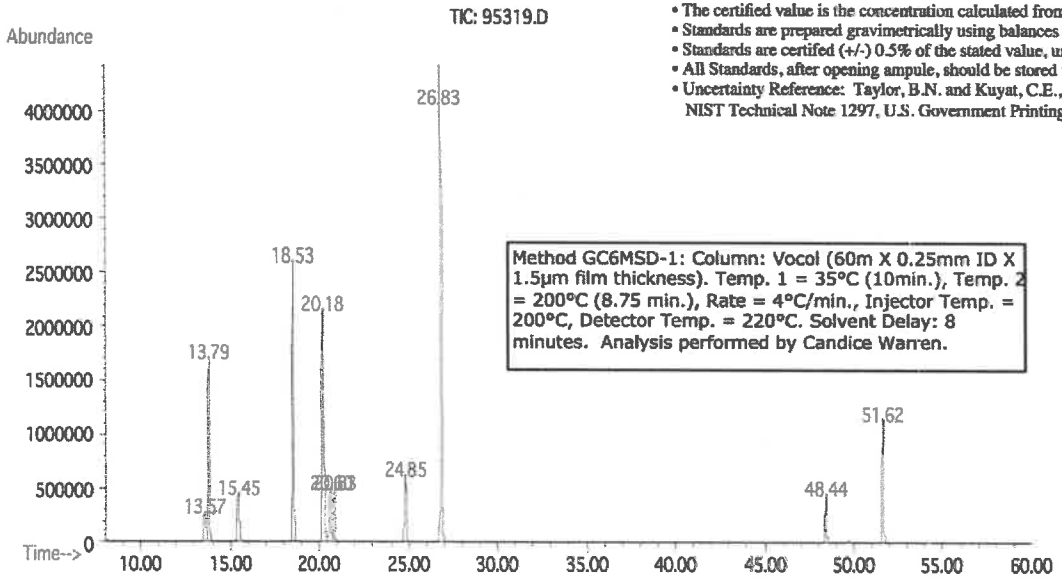
**Part Number:** 95319
**Lot Number:** 032922
**Description:** Revised Additions Mix
11 components
**Expiration Date:** 032925
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

**Solvent(s):** Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrylonitrile | 7 | 4718CK | 10000 | 99 | 0.2 | 1.01015 | 1.01030 | 10001.5 | 40.5 | 107-13-1 | N/A | orl-rat 78 mg/kg |
| 2. 1-Chlorobutane | 1072 | MKCM5711 | 2000 | 99.99 | 0.2 | 0.20003 | 0.20020 | 2001.7 | 8.1 | 109-69-3 | N/A | orl-rat 2670mg/kg |
| 3. Cyclohexane | 1023 | 28930 | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 110-82-7 | 300 ppm (1050mg/m3/8H) | orl-rat 12705mg/kg |
| 4. Di-isopropyl ether (DIPE) | 987 | 00412MX | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-20-3 | 500 ppm (2100mg/m3/8H) | orl-rat 8470mg/kg |
| 5. 1,4-Dioxane | 373 | 03853KE | 40000 | 99 | 0.2 | 4.04060 | 4.04100 | 40004.0 | 161.9 | 123-91-1 | 25 ppm (90mg/m3/8H)(skin) | orl-mus 5700mg/kg |
| 6. Hexachloroethane | 199 | 12604HBV | 2000 | 99 | 0.2 | 0.20203 | 0.20213 | 2001.0 | 8.2 | 67-72-1 | 1 ppm (10mg/m3/8H)(skin) | orl-gpg 4970mg/kg |
| 7. Methylcyclohexane | 1627 | 08046KN | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-87-2 | N/A | N/A |
| 8. Methyl tert-butyl ether (MTBE) | 209 | 02197JJ | 2000 | 99.8 | 0.2 | 0.20041 | 0.20055 | 2001.4 | 8.1 | 1634-04-4 | N/A | orl-rat 4g/kg |
| 9. Propionitrile | 349 | 1395468 | 20000 | 99 | 0.2 | 2.02030 | 2.02045 | 20001.5 | 81.0 | 107-12-0 | N/A | orl-rat 39mg/kg |
| 10. Tetrahydrofuran | 380 | SHBH8330 | 10000 | 99.9 | 0.2 | 1.00105 | 1.00120 | 10001.5 | 40.1 | 109-99-9 | 20 ppm (590mg/m3/8H) | orl-rat 1650mg/kg |
| 11. 1,2,3,4-Tetramethylbenzene | 491 | AP01 | 2000 | 93 | 0.2 | 0.21506 | 0.21520 | 2001.3 | 8.7 | 488-23-3 | N/A | orl-rat 6408mg/kg |




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

| Name | MSD RT (min.) |
|---|---|
| Methyl tert-butyl ether (MTBE) | 13.56 |
| Acrylonitrile | 13.79 |
| Di-isopropyl ether | 15.44 |
| Propionitrile | 18.53 |
| Tetrahydrofuran | 20.17 |
| Cyclohexane | 20.58 |
| 1-Chlorobutane | 20.83 |
| Methylcyclohexane | 24.84 |
| 1,4-Dioxane | 26.84 |
| Hexachloroethane | 48.44 |
| 1,2,3,4-Tetramethylbenzene | 51.62 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components: | CAS#: | LD50 Oral - Rat | OSHA PEL | % (optional) |
|---|---|---|---|---|
| Methanol | 67-56-1 | 2,769 mg/kg | 200 ppm | > 99 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
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www.absolutestandards.com

*Certified Reference Material CRM*

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

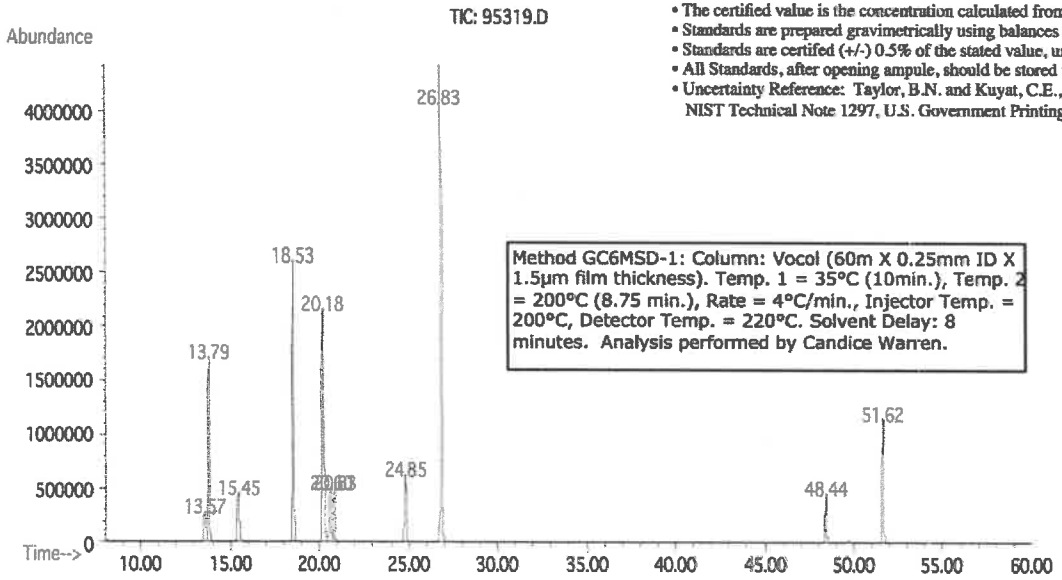
**Part Number:** 95319
**Lot Number:** 032922
**Description:** Revised Additions Mix
11 components
**Expiration Date:** 032925
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** Varied
**NIST Test ID#:** 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

**Solvent(s):** Methanol **Lot#** EC592-US

Formulated By: Prashant Chauhan 032922 DATE

Reviewed By: Pedro L. Rentas 032922 DATE

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrylonitrile | 7 | 4718CK | 10000 | 99 | 0.2 | 1.01015 | 1.01030 | 10001.5 | 40.5 | 107-13-1 | N/A | orl-rat 78 mg/kg |
| 2. 1-Chlorobutane | 1072 | MKCM5711 | 2000 | 99.99 | 0.2 | 0.20003 | 0.20020 | 2001.7 | 8.1 | 109-69-3 | N/A | orl-rat 2670mg/kg |
| 3. Cyclohexane | 1023 | 28930 | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 110-82-7 | 300 ppm (1050mg/m3/8H) | orl-rat 12705mg/kg |
| 4. Di-isopropyl ether (DIPE) | 987 | 00412MX | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-20-3 | 500 ppm (2100mg/m3/8H) | orl-rat 8470mg/kg |
| 5. 1,4-Dioxane | 373 | 03853KE | 40000 | 99 | 0.2 | 4.04060 | 4.04100 | 40004.0 | 161.9 | 123-91-1 | 25 ppm (90mg/m3/8H)(skin) | orl-mus 5700mg/kg |
| 6. Hexachloroethane | 199 | 12604HBV | 2000 | 99 | 0.2 | 0.20203 | 0.20213 | 2001.0 | 8.2 | 67-72-1 | 1 ppm (10mg/m3/8H)(skin) | orl-gpg 4970mg/kg |
| 7. Methylcyclohexane | 1627 | 08046KN | 2000 | 99 | 0.2 | 0.20203 | 0.20215 | 2001.2 | 8.2 | 108-87-2 | N/A | N/A |
| 8. Methyl tert-butyl ether (MTBE) | 209 | 02197JJ | 2000 | 99.8 | 0.2 | 0.20041 | 0.20055 | 2001.4 | 8.1 | 1634-04-4 | N/A | orl-rat 4g/kg |
| 9. Propionitrile | 349 | 1395468 | 20000 | 99 | 0.2 | 2.02030 | 2.02045 | 20001.5 | 81.0 | 107-12-0 | N/A | orl-rat 39mg/kg |
| 10. Tetrahydrofuran | 380 | SHBH8330 | 10000 | 99.9 | 0.2 | 1.00105 | 1.00120 | 10001.5 | 40.1 | 109-99-9 | 20 ppm (590mg/m3/8H) | orl-rat 1650mg/kg |
| 11. 1,2,3,4-Tetramethylbenzene | 491 | AP01 | 2000 | 93 | 0.2 | 0.21506 | 0.21520 | 2001.3 | 8.7 | 488-23-3 | N/A | orl-rat 6408mg/kg |




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Solvent Delay: 8 minutes. Analysis performed by Candice Warren.

| Name | MSD RT (min.) |
|---|---|
| Methyl tert-butyl ether (MTBE) | 13.56 |
| Acrylonitrile | 13.79 |
| Di-isopropyl ether | 15.44 |
| Propionitrile | 18.53 |
| Tetrahydrofuran | 20.17 |
| Cyclohexane | 20.58 |
| 1-Chlorobutane | 20.83 |
| Methylcyclohexane | 24.84 |
| 1,4-Dioxane | 26.84 |
| Hexachloroethane | 48.44 |
| 1,2,3,4-Tetramethylbenzene | 51.62 |

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2023 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **H225** | **Highly Flammable Liquid and Vapor** | **H301, 311, 331** | **Toxic if swallowed, skin contact, inhaled** |
| **H370** | **Cause damage to organs** | **H351** | **Suspected of causing cancer** |
| **P271** | **Use in ventilated area** | **P280** | **Use gloves, eye protection/face sheild** |
| **P302,332** | **If on skin, wash with soap and water** | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components: | CAS#: | LD50 Oral - Rat | OSHA PEL | % (optional) |
|---|---|---|---|---|
| Methanol | 67-56-1 | 2,769 mg/kg | 200 ppm | > 99 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Flammability** | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.<br>Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - Physical/Chemical Characteristics

| | | | |
|---|---|---|---|
| Boiling Point | 65°C | Specific Gravity (H2O = 1) | 0.79 |
| Vapor Pressure (mm Hg) | 96 | Melting Point | -98°C |
| Vapor Density (AIR = 1) | 1.11 | Evaporation rate (Butyl Acetate = 1) | 4.6 |

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

## Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

| | |
|---|---|
| LC50 | 15,400 mg/l - 96 h |
| EC50 | 24,500.00 mg/l - 48 h |
| EC100 | 10,000.00 mg/l - 24 h |

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

## Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

2 vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 102924
Description: Acrolein

Expiration Date: 112924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** Water **Lot#** 072324Q

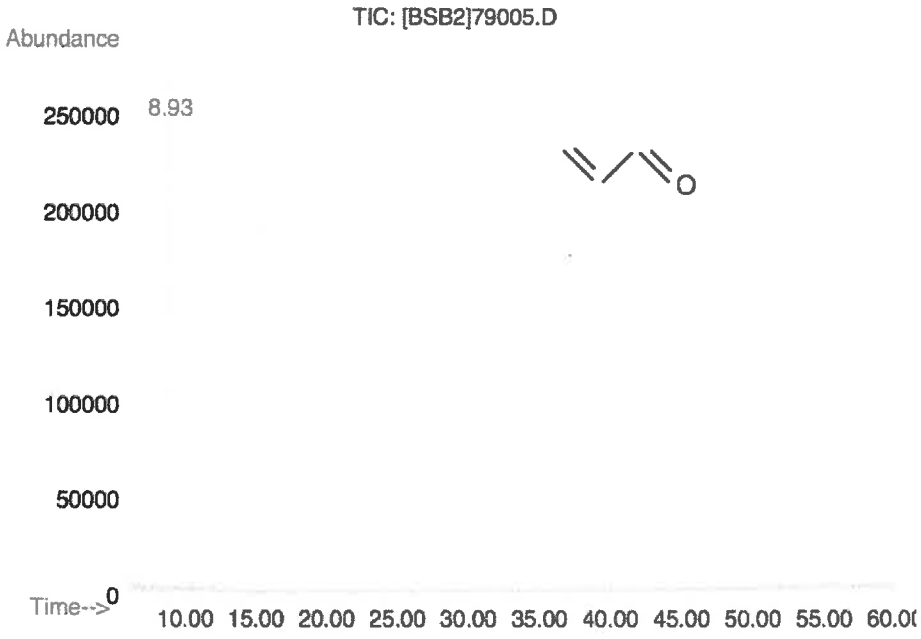
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

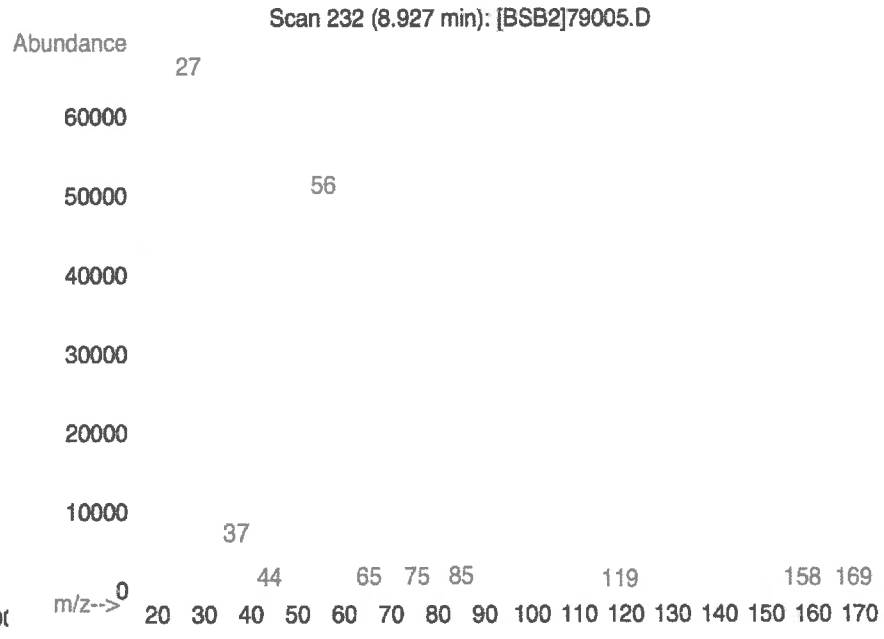
Weight(s) shown below were combined and diluted to (mL): 10.0

| Formulated By: | Justin Dippold | 102924 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 102924 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
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- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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2 vials

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CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 102924
Description: Acrolein

Expiration Date: 112924
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** Water **Lot#** 072324Q

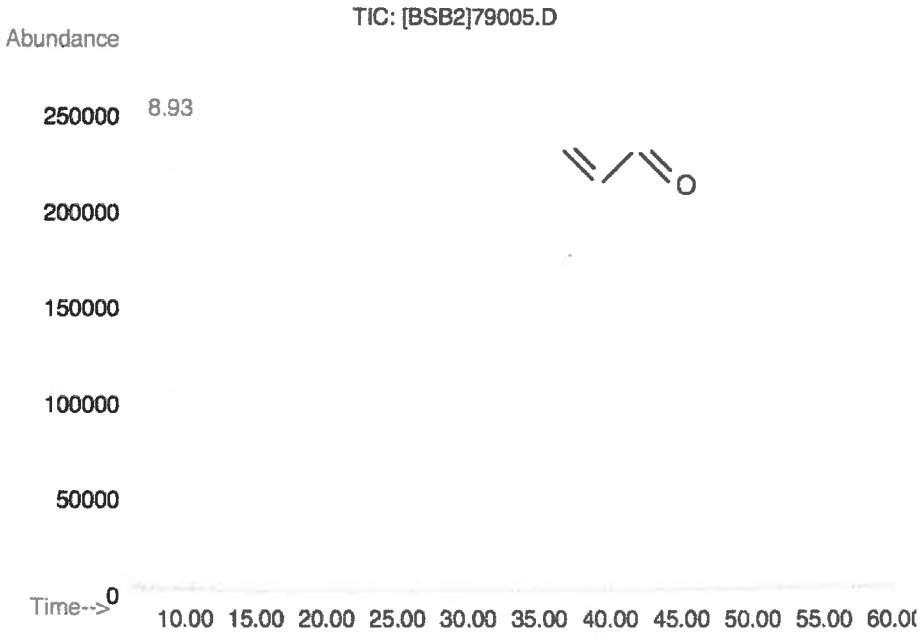
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

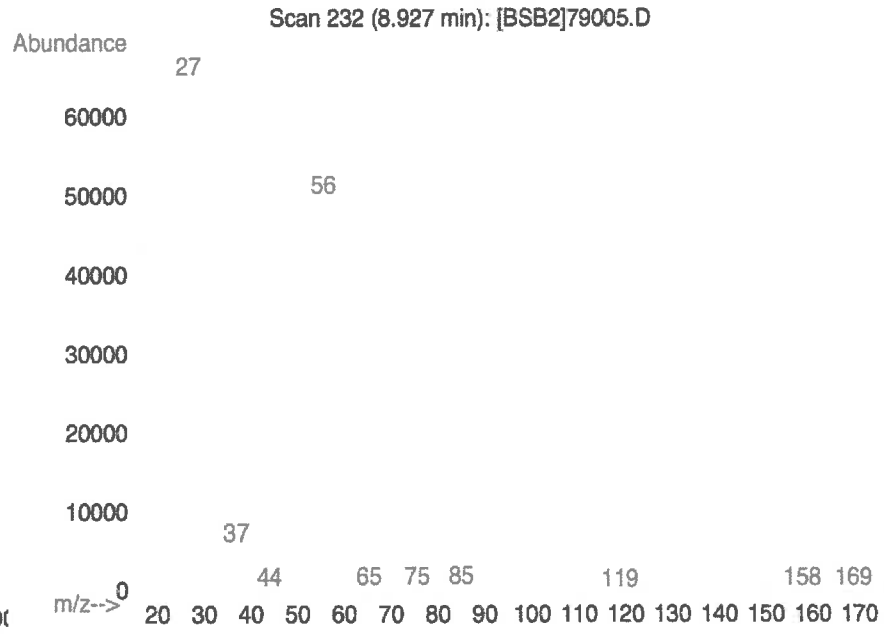
Weight(s) shown below were combined and diluted to (mL): 10.0

| Formulated By: | Justin Dippold | 102924 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 102924 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05175 | 5008.9 | 52.5 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.

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***Certified Reference Material CRM*** 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

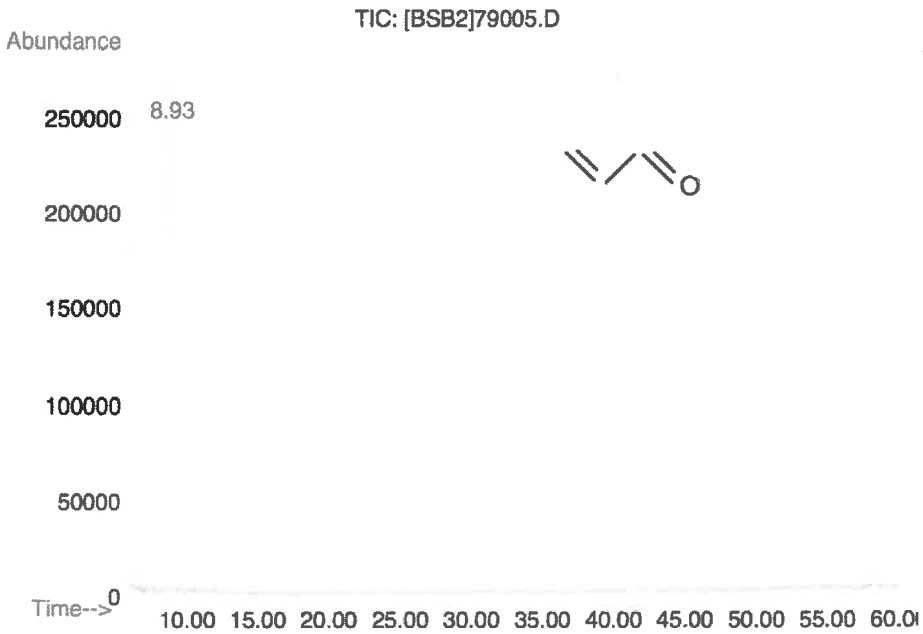
**Solvent(s):** **Lot#**
Water 072324Q

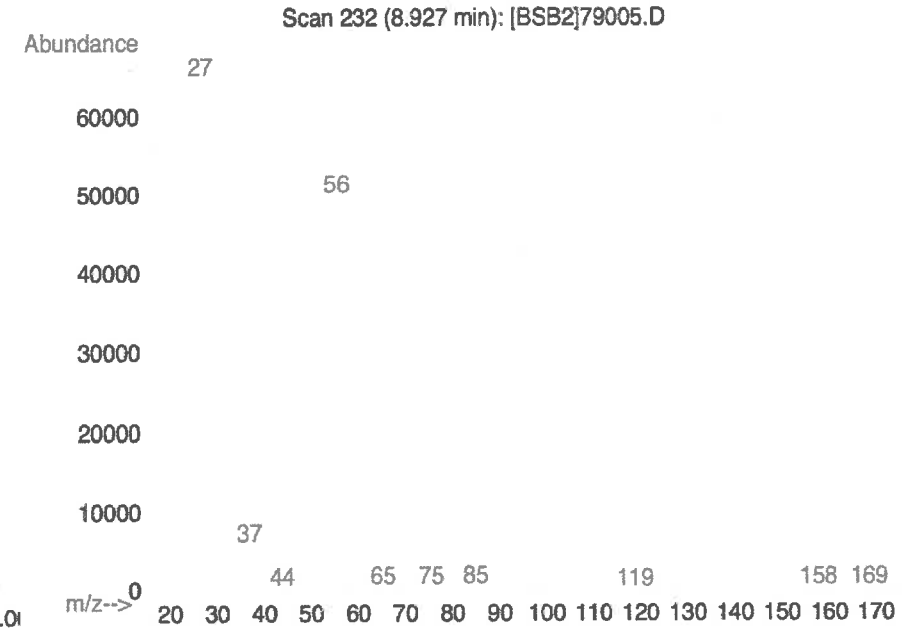
| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 103024 DATE |
| Reviewed By: | Pedro L. Rentas | 103024 DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10322 | 5007.0 | 51.9 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.

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- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
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**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN WATER**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | Emergency Telephone International | **1-352-323-3500** |
| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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***Certified Reference Material CRM*** 5 vial

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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

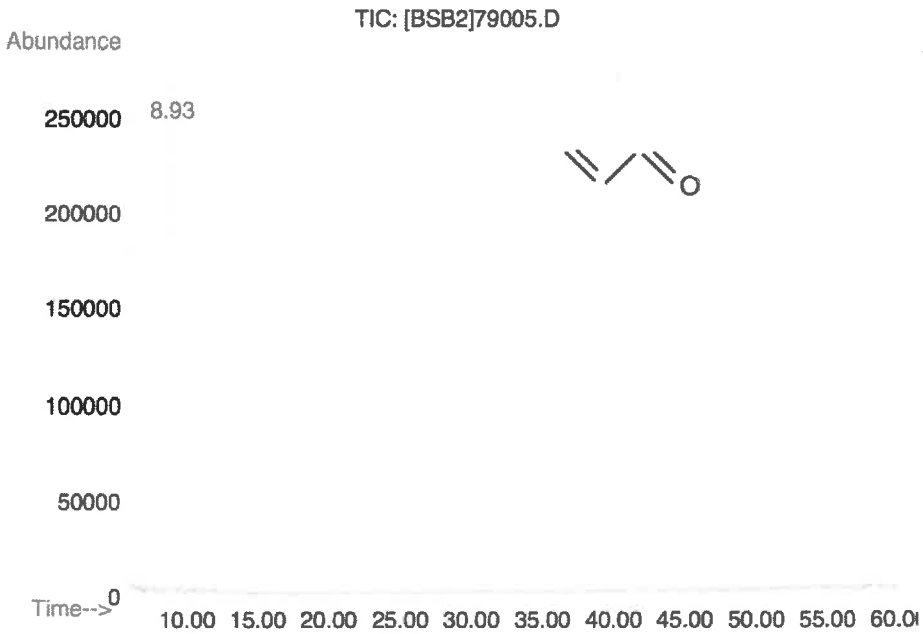
**Solvent(s):** **Lot#**
Water 072324Q

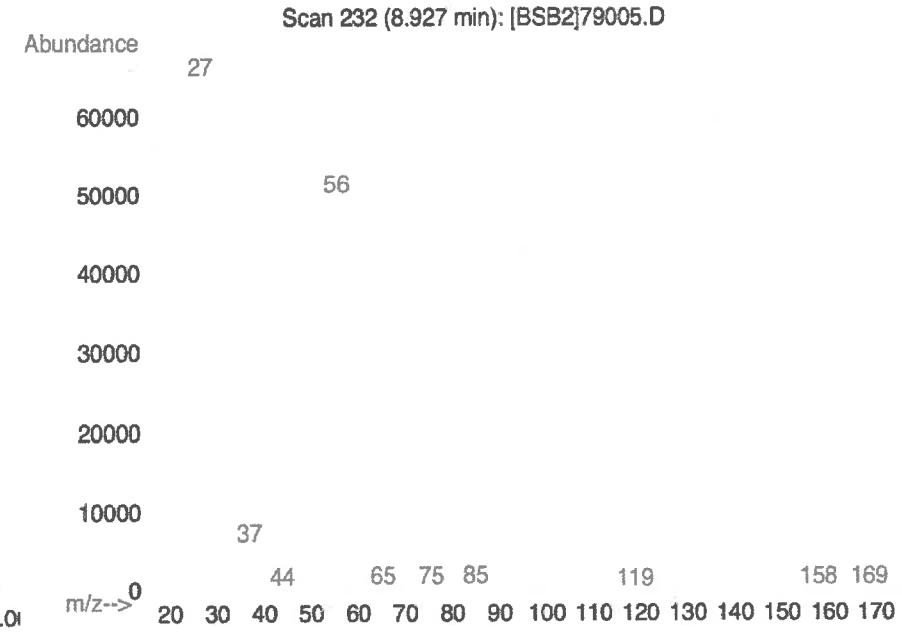
| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 103024 DATE |
| Reviewed By: | Pedro L. Rentas | 103024 DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10322 | 5007.0 | 51.9 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

**Absolute Standards Inc.**

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN WATER**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | Emergency Telephone International | **1-352-323-3500** |
| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM*** 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 103024
Description: Acrolein

Expiration Date: 113024
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

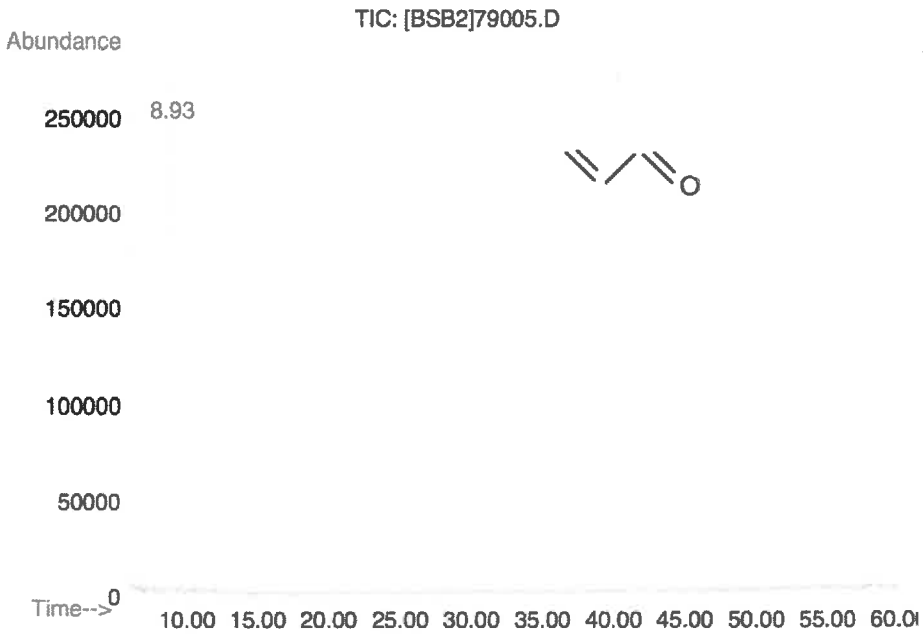
**Solvent(s):** **Lot#**
Water 072324Q

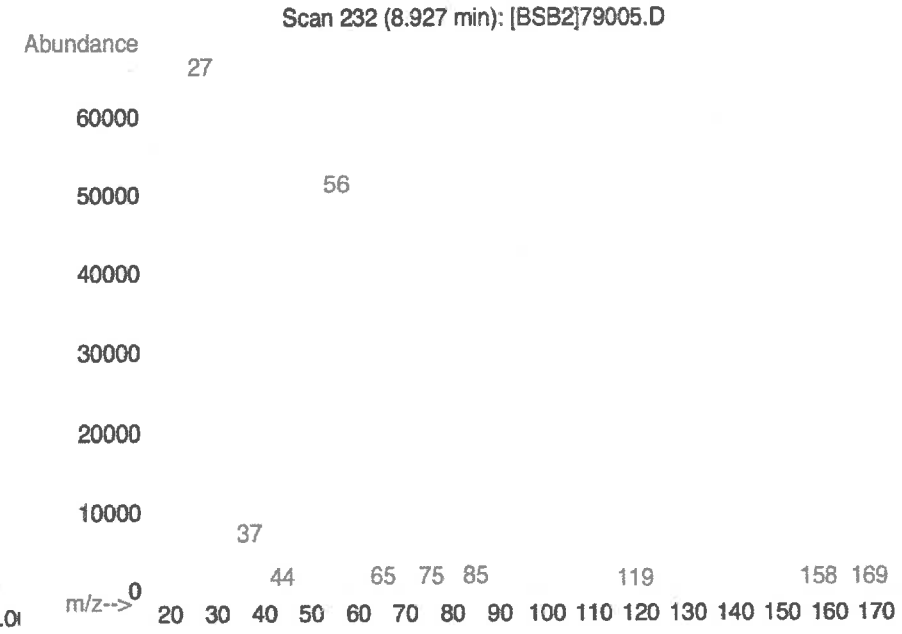
| | | |
|---|---|---|
| Formulated By: | Lawrence Barry | 103024 DATE |
| Reviewed By: | Pedro L. Rentas | 103024 DATE |

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.002 Flask Uncertainty

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10322 | 5007.0 | 51.9 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |

**Method:** GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C ( Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.




- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

**Absolute Standards Inc.**

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Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

**Safety Data Sheet (SDS)** GHS/OSHA Compliant

## Section I Product and Company Identification

**IDENTITY** **ANALYTICAL STANDARD DISSOLVED IN WATER**

| | | | |
|---|---|---|---|
| Manufacturer's Name | ABSOLUTE STANDARDS INC | Emergency Telephone USA & CANADA | **1-800-535-5053** |
| Address | 44 Rossotto Dr. | Emergency Telephone International | **1-352-323-3500** |
| | Hamden CT, 06514 | Date Prepared/Revised | January 1, 2024 |

## Section II - Hazards Identification

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

| | | | |
|---|---|---|---|
| **P271** | **Use in ventilated area** | **H315** | **Causes skin and eye irritation.** |
| **P302,332** | **If on skin, wash with soap and water** | **P280** | **Use gloves, eye protection/face sheild** |
| | | **P305,351,338** | **If in eyes, remove contacts, rinse with water** |

**Signal Word: DANGER**

## Section III - Composition

| Components (Specific Chemical Identity; Common Name(s)) | | % (optional) |
|---|---|---|
| Water | CAS#: 7732-18-5 | > 97 |

**See Certified Weight Report For Other Analytes Present At Trace Quantities.**

**INTENDED USE: REFERENCE MATERIAL**

## Section IV. FIRST AID MEASURES

| | |
|---|---|
| **General advice** | Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area. |
| **If inhaled** | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| **In case of skin contact** | Wash with soap and water. Consult a physician. |
| **In case of eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. |
| **If swallowed** | Do NOT induce vomiting. Rinse mouth with water. Consult a physician. |

## Section V. FIREFIGHTING MEASURES

| | |
|---|---|
| **Suitable extinguishing media** | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Protective equipment for fire** | Wear self contained breathing apparatus for fire fighting if necessary. |
| **Hazardous Decomposition products** | Carbon oxides |

## Section VI. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Clean up | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13). |

## Section VII. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. |
| Storage Conditions | Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

| | | | |
|---|---|---|---|
| Boiling Point | 100°C | Specific Gravity (H2O = 1) | 1 |
| Vapor Pressure (mm Hg) | | Melting Point | |

| | | | |
|---|---|---|---|
| | NA | | 0°C |
| Vapor Density (AIR = 1) | NA | Evaporation rate (Butyl Acetate = 1) | NA |

Solubility in Water Completely miscible

Appearance and Odor CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

## Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions NA
Conditions to avoid NA
Materials to avoid NA
Hazardous decomposition products - No data available

## Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat NA
LC50 Inhalation - Rat NA
LD50 Dermal - Guinea pig NA
Causes skin irritation.
Eye irritation

## Section XII. ECOLOGICAL INFORMATION

LC50 NA
EC50 NA

## Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

## Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

## Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

## Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 111722
**Description:** 2-Chloroethyl vinyl ether

**Solvent(s):** Methanol **Lot#** EB679-US

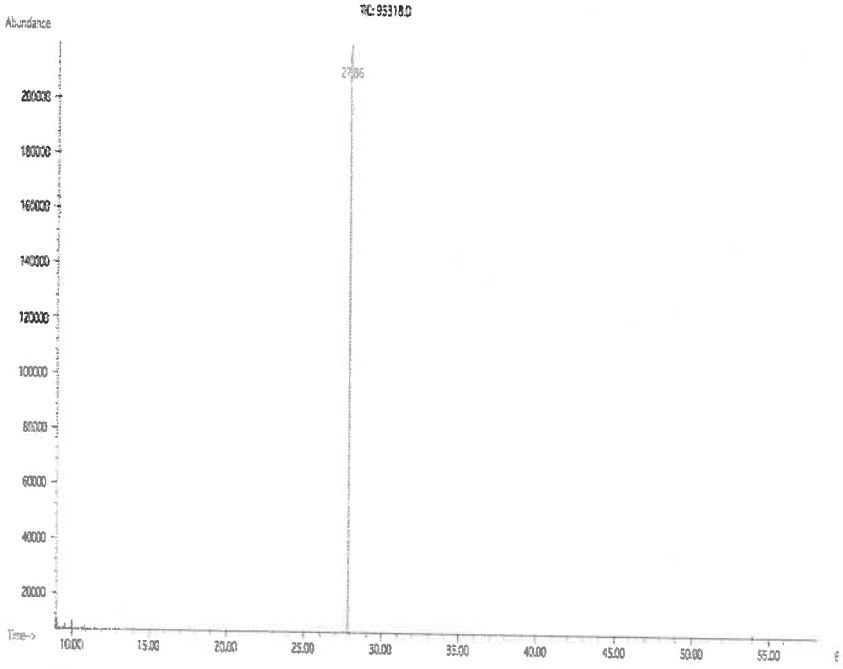
**Expiration Date:** 111725
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

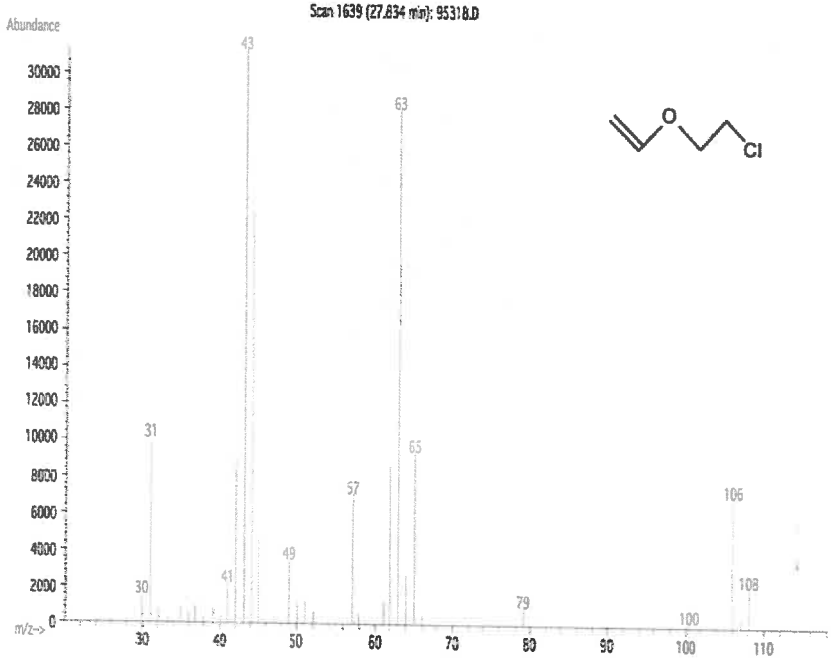
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

| | | |
|---|---|---|
| Formulated By: | Eli Aliaga | 111722 DATE |
| Reviewed By: | Pedro L. Rentas | 111722 DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.50541 | 0.50551 | 10001.9 | 40.5 | 110-75-8 | N/A | orl-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

**Solvent(s):** **Lot#**
Methanol EA899-US

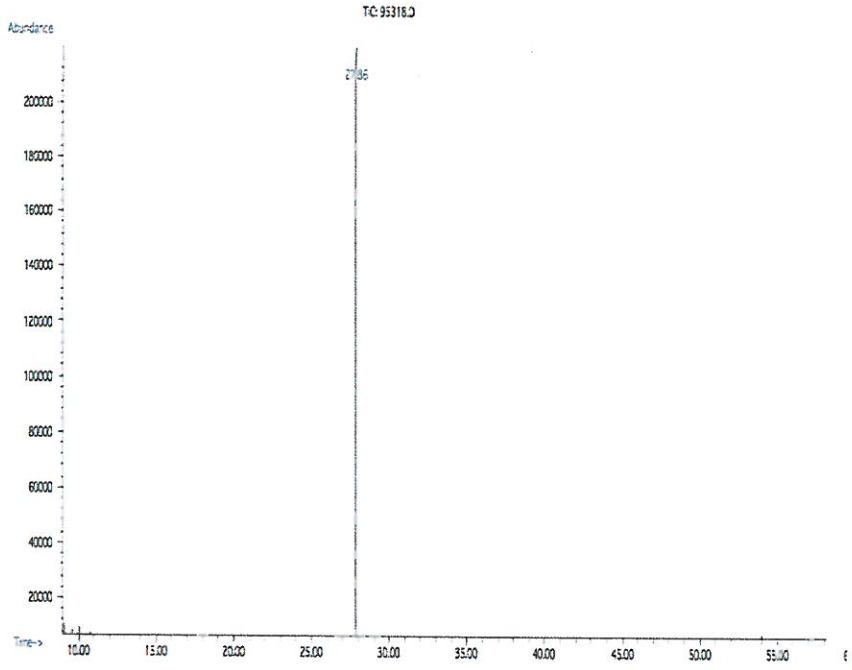
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

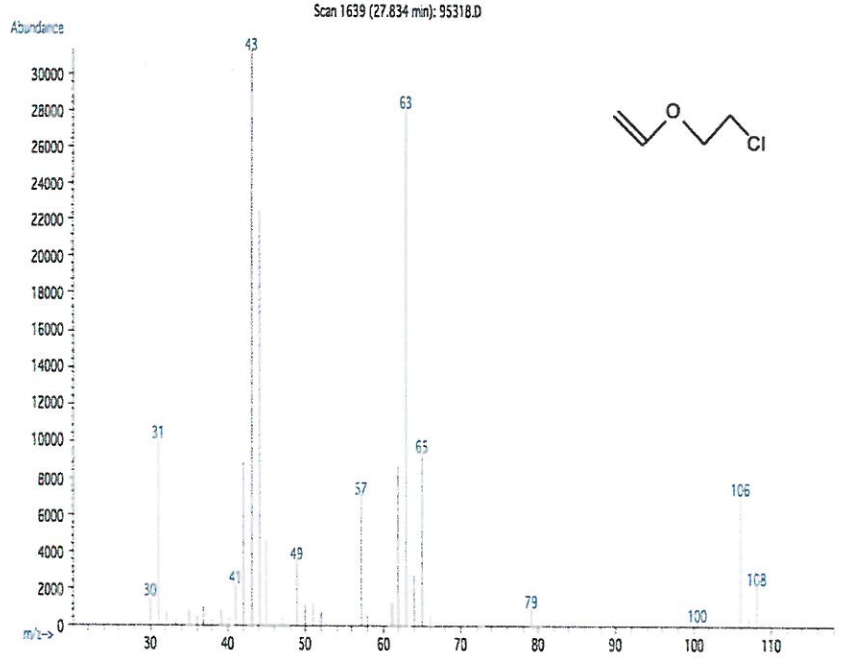
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

| | | |
|---|---|---|
| | | 121321 |
| Formulated By: | Benson Chan | DATE |
| | | 121321 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.30320 | 0.30411 | 10030.2 | 40.7 | 110-75-8 | N/A | orl-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
Lot Number: 121321
Description: 2-Chloroethyl vinyl ether

**Solvent(s):** **Lot#**
Methanol EA899-US

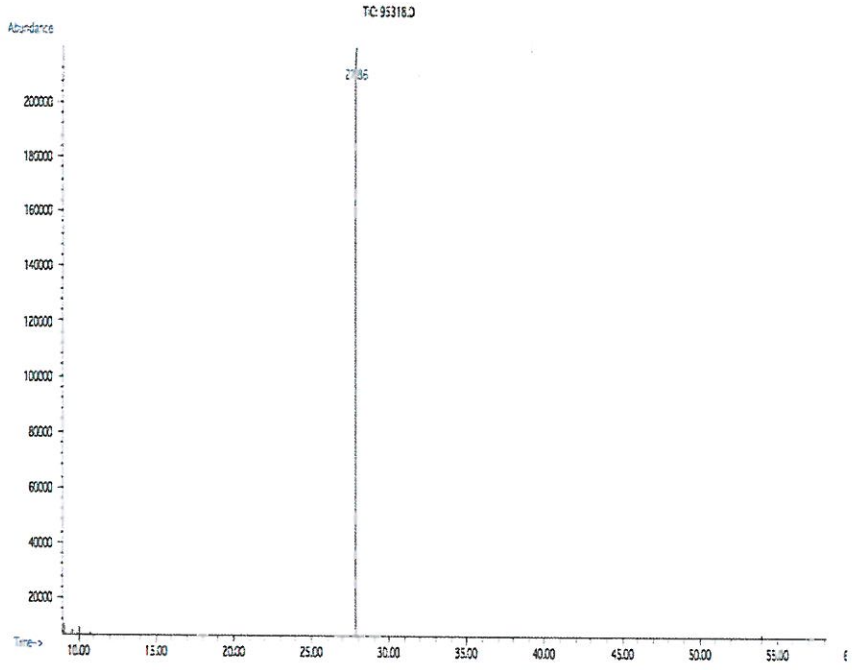
Expiration Date: 121324
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

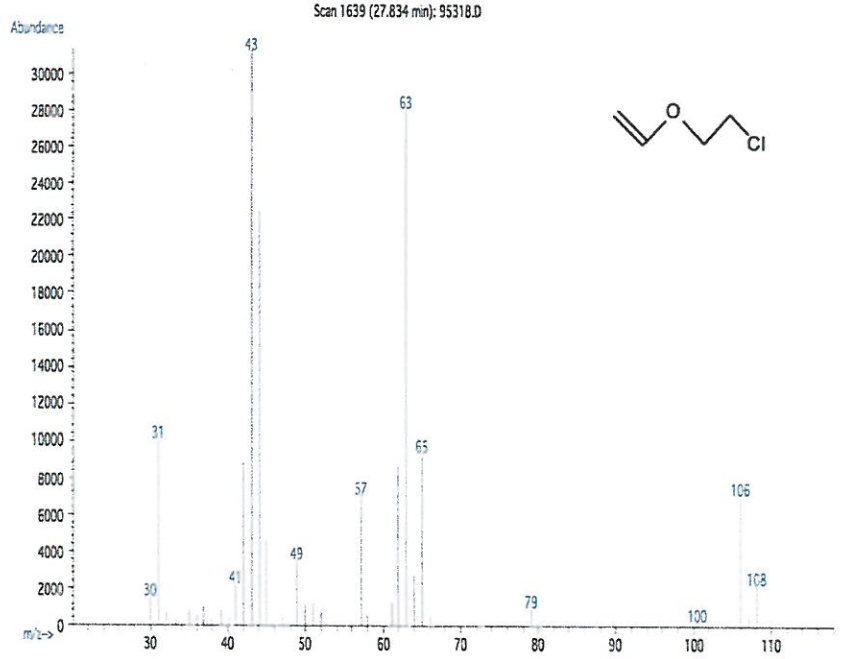
Weight(s) shown below were combined and diluted to (mL): 30.0 | 5E-05 Balance Uncertainty | 0.0003 Flask Uncertainty

| | | |
|---|---|---|
| | | 121321 |
| Formulated By: | Benson Chan | DATE |
| | | 121321 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity | Target Weight (g) | Actual Weight (g) | Actual Conc(µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. 2-Chloroethyl vinyl ether | 74 | MKCD0033 | 10000 | 99 | 0.2 | 0.30320 | 0.30411 | 10030.2 | 40.7 | 110-75-8 | N/A | orl-rat 250mg/kg |

**Method:** GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.







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- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30470 **Lot No.:** A0181905

**Description :** tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2025 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | tert-Butanol (TBA) | 50,126.0 µg/mL | +/- 293.4988 µg/mL | Gravimetric |
| | **CAS #** 75-65-0 (Lot SHBM7694) | | +/- 1,073.7654 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 1,104.9494 µg/mL | Stressed |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

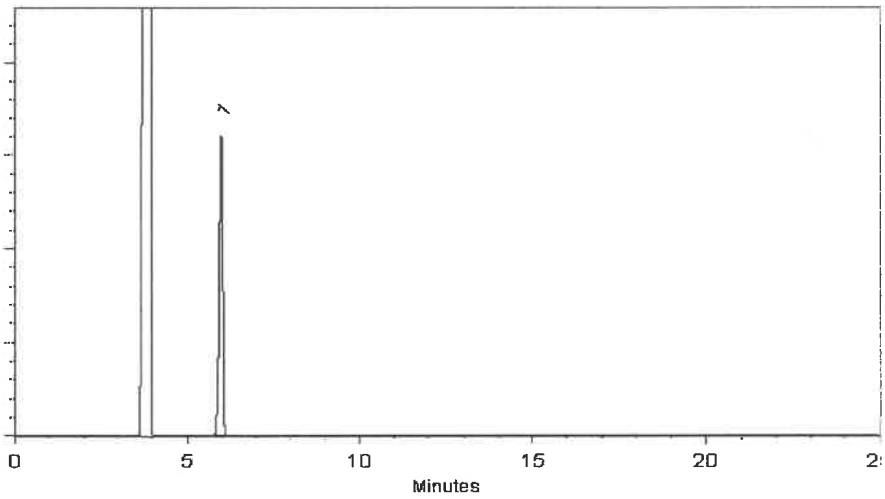
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

**Date Mixed:** 16-Feb-2022 **Balance:** B442140311

Marlina Cowan - Operations Tech I

**Date Passed:** 21-Feb-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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**Catalog No. :** 30470 **Lot No.:** A0191703

**Description :** tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2025 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) | |
|---|---|---|---|---|
| 1 | tert-Butanol (TBA) | 50,122.0 µg/mL | +/- 293.4753 µg/mL | Gravimetric |
| | **CAS #** 75-65-0 (Lot 101619K21F-1) | | +/- 1,073.6797 µg/mL | Unstressed |
| | **Purity** 99% | | +/- 1,104.8612 µg/mL | Stressed |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

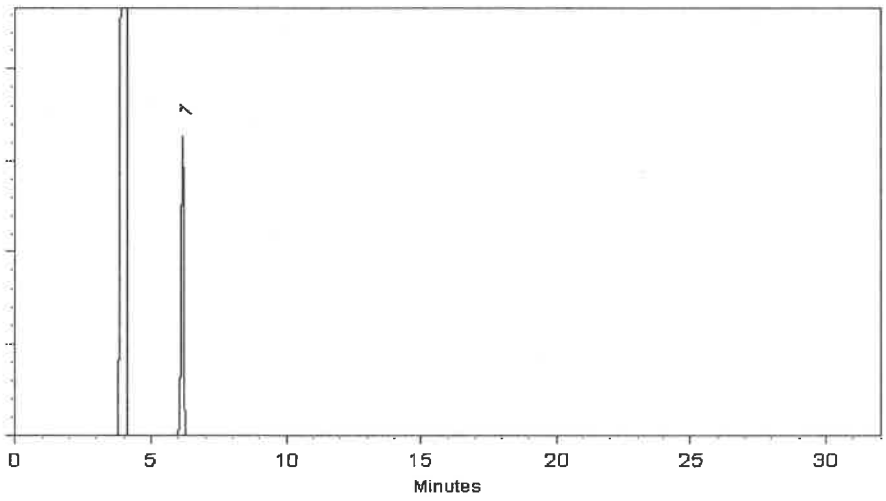
**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 15-Nov-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 17-Nov-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

**General Certified Reference Material Notes**

**Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

**Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

**Certified Uncertainty Value Notes:**

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

*k* is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions | Standard Conditions | Non-Standard Conditions |
|---|---|---|
| 25°C Nominal (Room Temperature) | < 60°C | ≥ 60°C up to 7 days |
| 10°C or colder (Refrigerate) | < 40°C | ≥ 40°C up to 7 days |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C | ≥ 25°C up to 7 days |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

**Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

**Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30067 **Lot No.:** A0191805

**Description :** 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 184975 | 99% | 2,483.9 µg/mL | +/- 139.5488 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

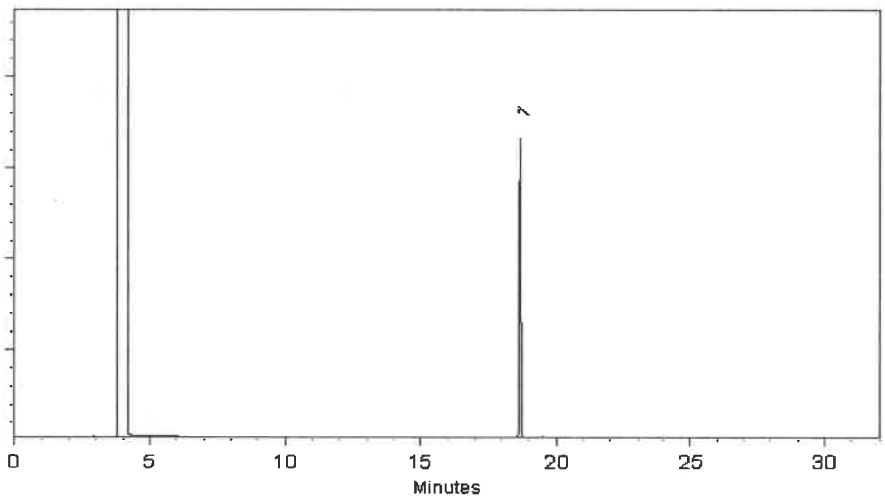
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I **Date Mixed:** 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 21-Nov-2022

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

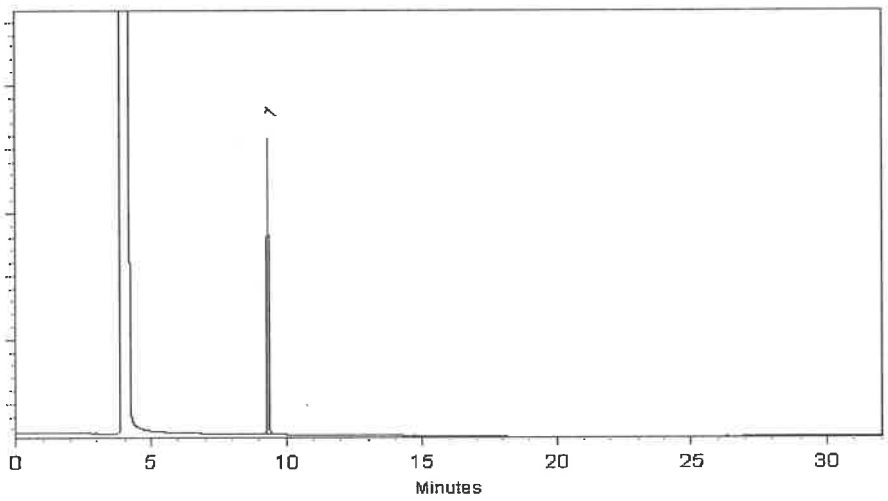
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Bromochloromethane | 74-97-5 | 00008541 | 99% | 2,018.0 µg/mL | +/- 113.3890 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

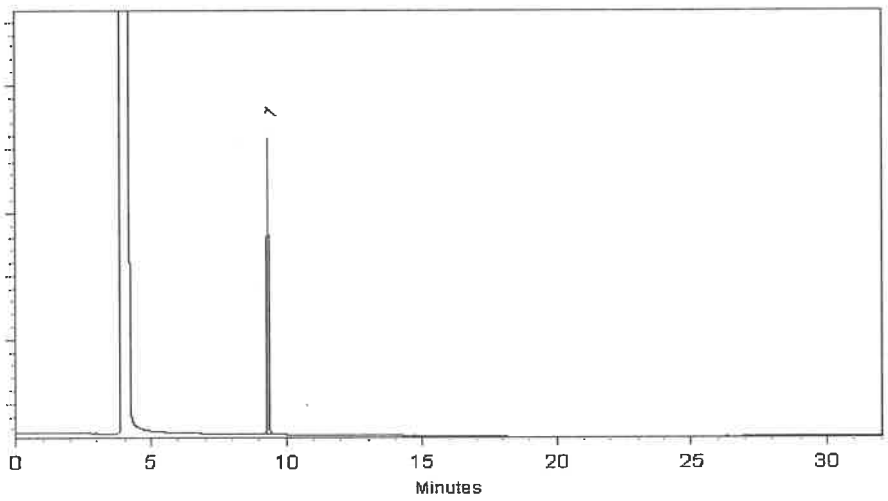
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl

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Tom Suckar - Mix Technician

**Date Mixed:** 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 03-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

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*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0193887

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,006.5 µg/mL | +/- 173.0015 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBN9536 | 99% | 5,008.5 µg/mL | +/- 173.0706 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,000.3 µg/mL | +/- 172.7884 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,001.7 µg/mL | +/- 172.8345 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

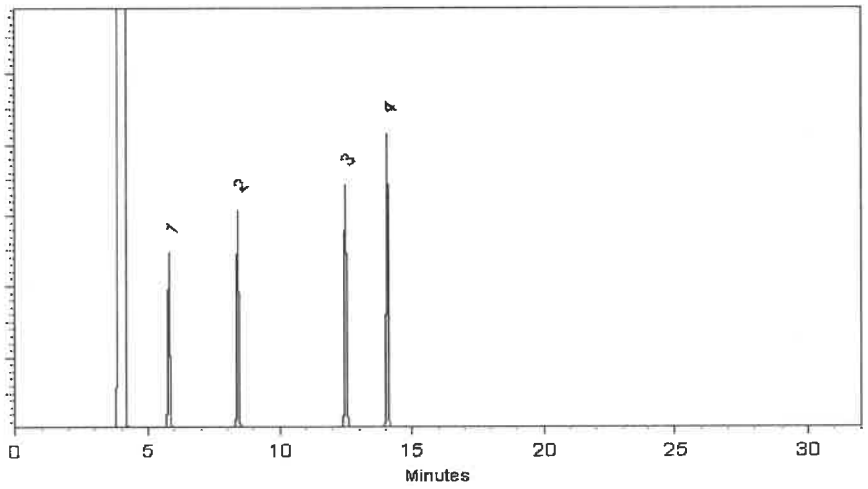
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

**Date Mixed:** 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 27-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

7

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0193887

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,006.5 µg/mL | +/- 173.0015 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBN9536 | 99% | 5,008.5 µg/mL | +/- 173.0706 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,000.3 µg/mL | +/- 172.7884 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,001.7 µg/mL | +/- 172.8345 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

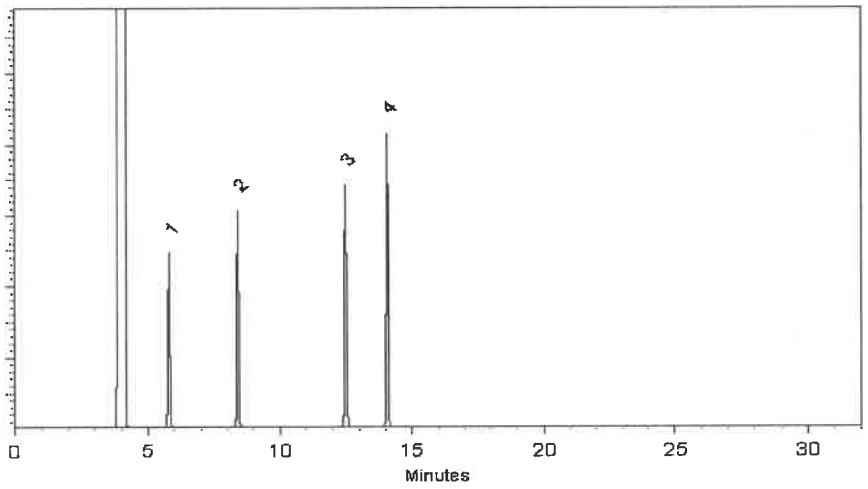
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

**Date Mixed:** 24-Jan-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 27-Jan-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** A0194279

**Description :** 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554 | 99% | 2,001.5 µg/mL | +/- 112.7231 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | SHBK6571 | 99% | 2,001.2 µg/mL | +/- 112.5863 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,001.4 µg/mL | +/- 112.6561 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 101604 | 99% | 2,006.4 µg/mL | +/- 112.8262 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,001.9 µg/mL | +/- 112.5897 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCL8411 | 99% | 2,000.8 µg/mL | +/- 112.6473 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

**Carrier Gas:**
helium-constant flow 2.0 mL/min.

**Temp. Program:**
40°C (hold 6 min.) to 100°C
@ 6°C/min.

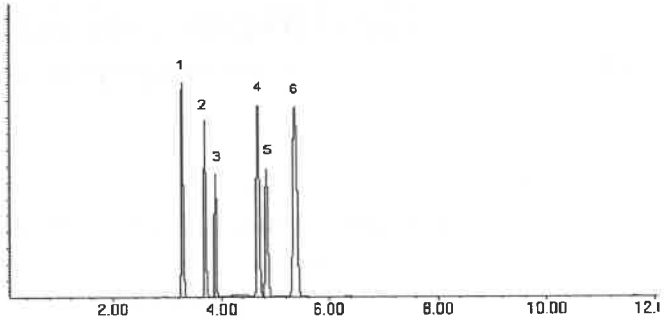
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
MSD

**Split Vent:**
Split ratio 10:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 07-Feb-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

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**Catalog No. :** 30042 **Lot No.:** A0194279

**Description :** 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554 | 99% | 2,001.5 µg/mL | +/- 112.7231 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | SHBK6571 | 99% | 2,001.2 µg/mL | +/- 112.5863 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,001.4 µg/mL | +/- 112.6561 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 101604 | 99% | 2,006.4 µg/mL | +/- 112.8262 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,001.9 µg/mL | +/- 112.5897 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCL8411 | 99% | 2,000.8 µg/mL | +/- 112.6473 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

**Carrier Gas:**
helium-constant flow 2.0 mL/min.

**Temp. Program:**
40°C (hold 6 min.) to 100°C
@ 6°C/min.

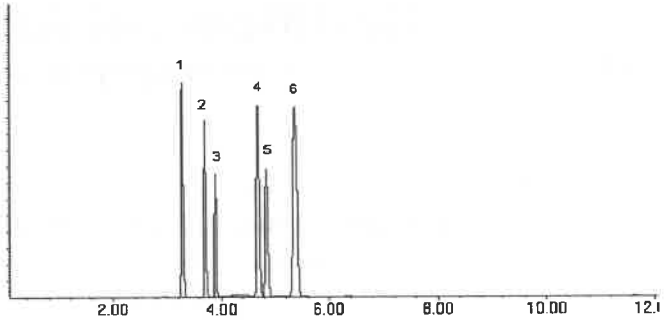
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
MSD

**Split Vent:**
Split ratio 10:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 03-Feb-2023 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

**Date Passed:** 07-Feb-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*gravimetric*

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555582 **Lot No.:** A0196865

**Description :** Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,2-Dichloroethane-d4 | 17060-07-0 | PR-32845 | 99% | 25,036.0 µg/mL | +/- 1,417.9179 |
| 2 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 184975 | 99% | 25,132.0 µg/mL | +/- 1,423.3549 |
| 3 | Dibromofluoromethane | 1868-53-7 | 022013 | 99% | 25,040.0 µg/mL | +/- 1,418.1445 |
| 4 | Toluene-d8 | 2037-26-5 | PR-33397 | 99% | 25,028.0 µg/mL | +/- 1,417.4648 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Apr-2023 **Balance:** 1127510105

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** A0197644

**Description :** 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2030 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554 | 99% | 2,001.6 µg/mL | +/- 112.7159 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | SHBM9611 | 99% | 2,002.0 µg/mL | +/- 112.7840 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,002.2 µg/mL | +/- 112.6713 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 101604 | 99% | 2,006.4 µg/mL | +/- 112.8861 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,000.9 µg/mL | +/- 112.5990 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCL8411 | 99% | 1,999.2 µg/mL | +/- 112.4861 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

# Quality Confirmation Test

**Column:**
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

**Carrier Gas:**
helium-constant flow 2.0 mL/min.

**Temp. Program:**
40°C (hold 6 min.) to 100°C
@ 6°C/min.

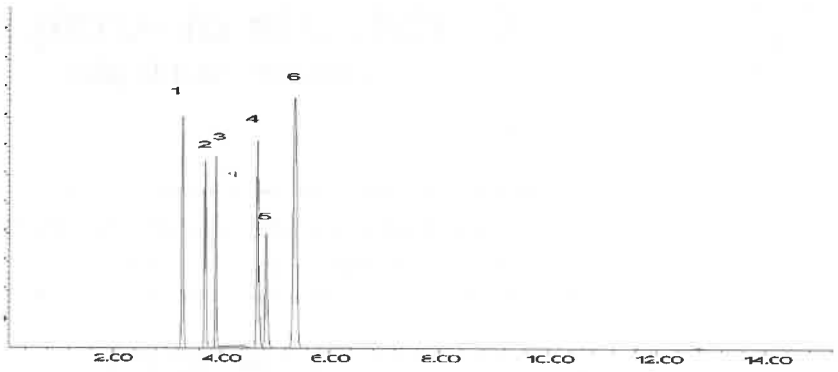
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
MSD

**Split Vent:**
Split ratio 10:1

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

**Date Mixed:** 02-May-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 08-May-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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# Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0199224

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2024 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,015.0 µg/mL | +/- 69.6476 |
| 2 | Vinyl acetate | 108-05-4 | RD220630 | 99% | 2,014.3 µg/mL | +/- 69.6246 |
| 3 | Ethyl acetate | 141-78-6 | SHBP9289 | 99% | 2,012.7 µg/mL | +/- 69.5670 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,017.0 µg/mL | +/- 69.7168 |
| 5 | Propyl acetate | 109-60-4 | KLOBM | 99% | 2,007.7 µg/mL | +/- 69.3942 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,014.3 µg/mL | +/- 69.6246 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,012.1 µg/mL | +/- 69.5475 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

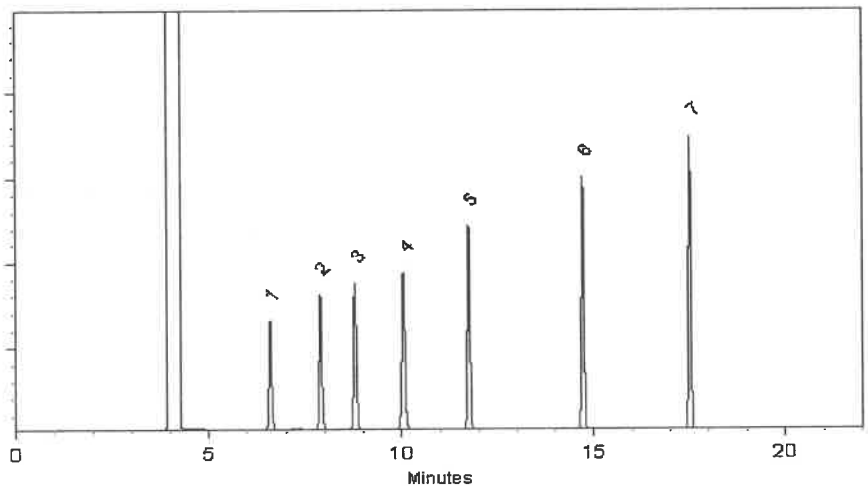
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 22-Jun-2023 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 26-Jun-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

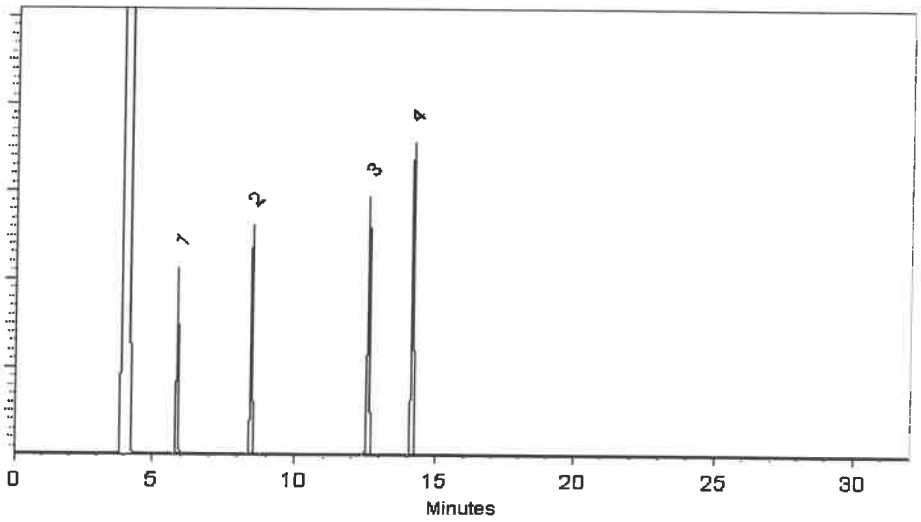
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

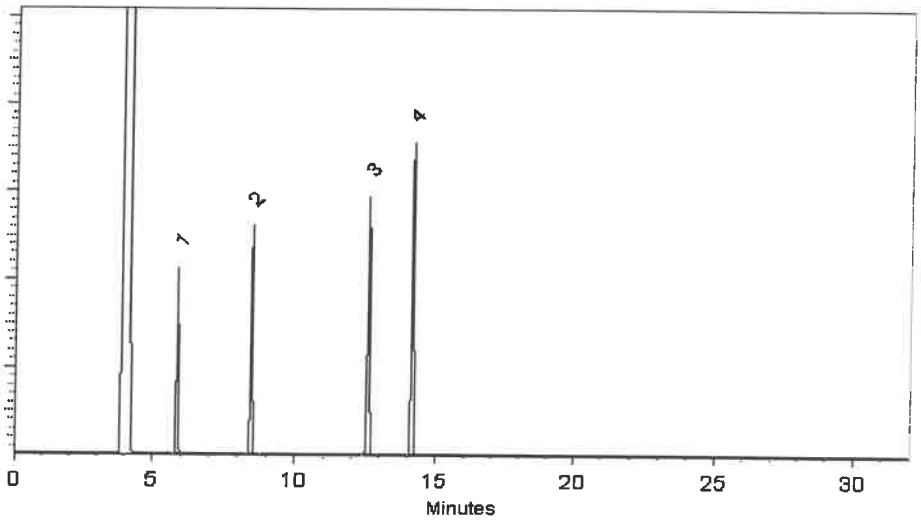
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Acetone | 67-64-1 | SHBP8774 | 99% | 5,018.5 µg/mL | +/- 173.4162 |
| 2 | 2-Butanone (MEK) | 78-93-3 | SHBL5543 | 99% | 5,016.0 µg/mL | +/- 173.3298 |
| 3 | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99% | 5,010.7 µg/mL | +/- 173.1455 |
| 4 | 2-Hexanone | 591-78-6 | MKCQ6663 | 99% | 5,015.0 µg/mL | +/- 173.2952 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)
**CAS #** 67-56-1/7732-18-5
**Purity** 99%

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

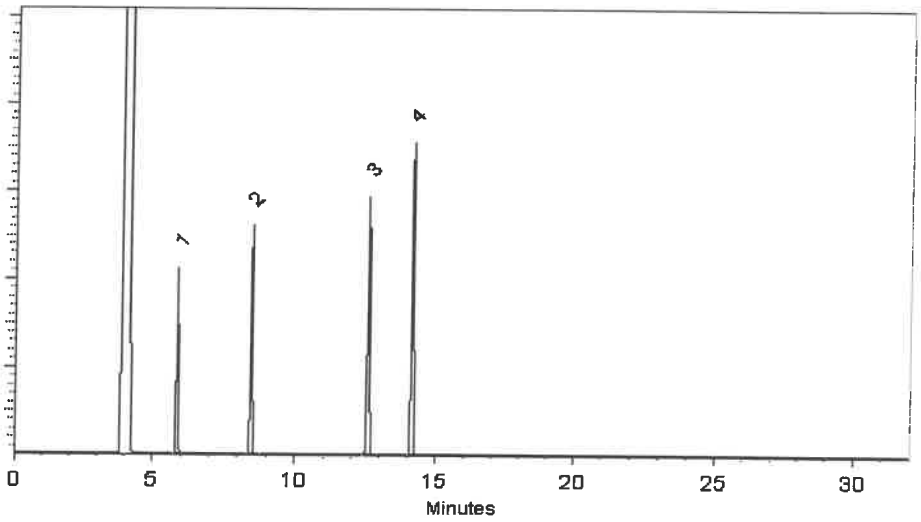
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

**Date Mixed:** 09-Aug-2023 **Balance Serial #** B707717271

Marlina Cowan – Operations Tech II ARM QC

**Date Passed:** 16-Aug-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

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Certificate #3222.02

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**Catalog No. :** 555408-FL **Lot No.:** A0205177

**Description :** Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 8,047.8 µg/mL | +/- 278.1675 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

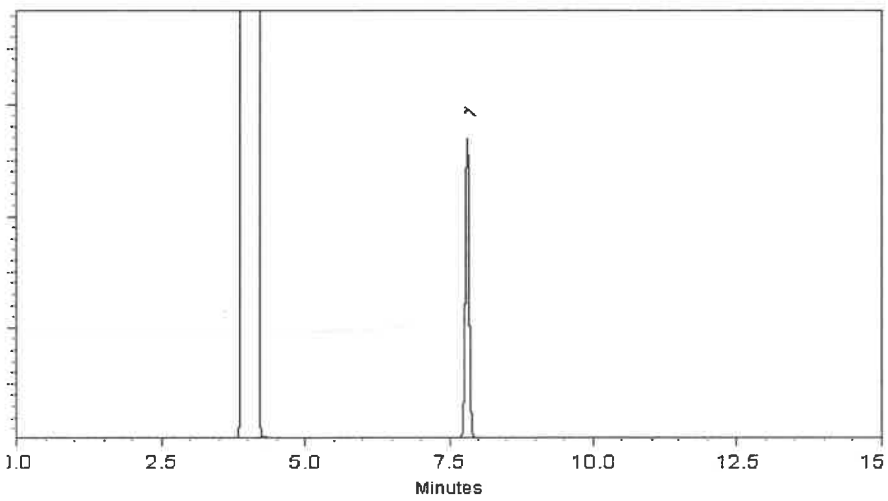
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

**Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 11-Dec-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555408-SL **Lot No.:** A0205179

**Description :** Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 8,075.2 µg/mL | +/- 279.1159 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

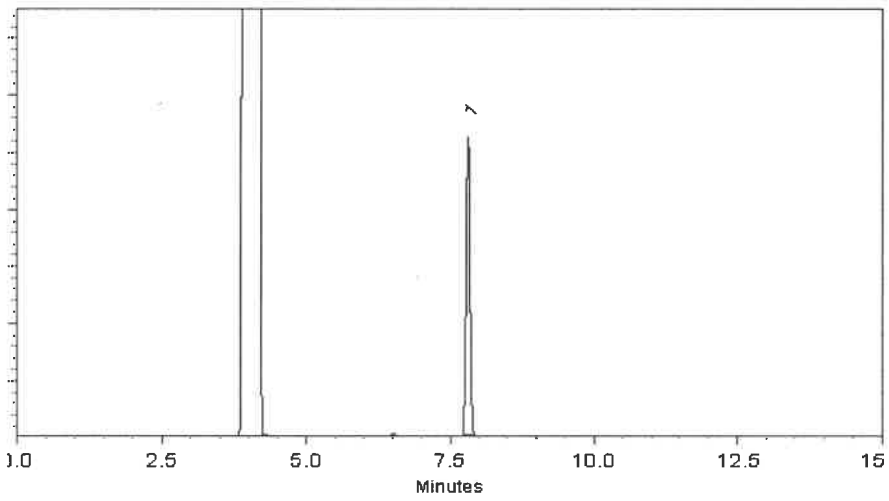
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

# Certificate of Analysis

*chromatographic*

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555408-SL **Lot No.:** A0205179

**Description :** Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 8,075.2 µg/mL | +/- 279.1159 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

# Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

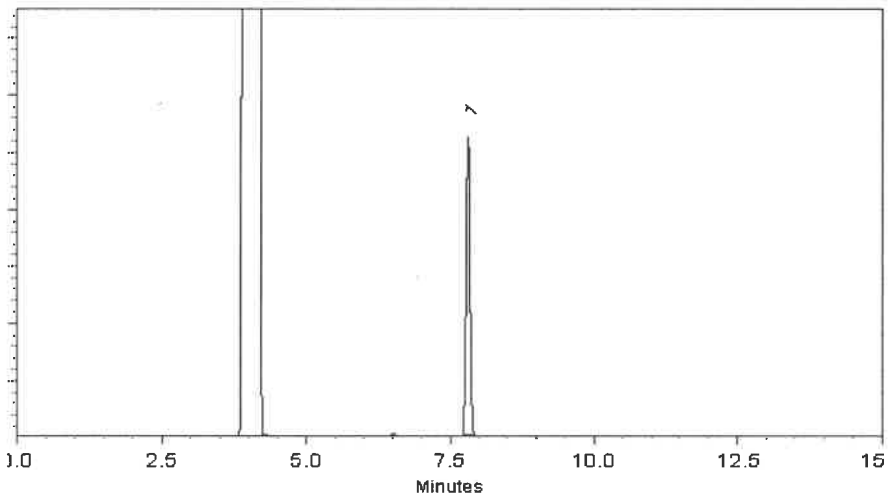
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Daniel Wasson - Operations Tech I **Date Mixed:** 06-Dec-2023 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 11-Dec-2023

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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# Certificate of Analysis

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,016.0 µg/mL | +/- 69.6822 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

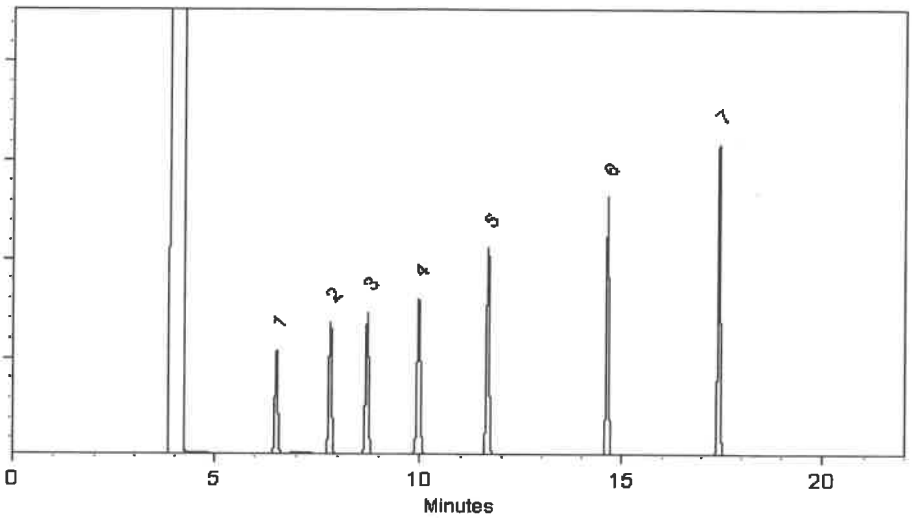
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

## Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

## Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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ACCREDITED
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Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

| Elution Order | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | Methyl acetate | 79-20-9 | SHBP3100 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 2 | Vinyl acetate | 108-05-4 | RP231030CTH | 98% | 2,016.8 µg/mL | +/- 69.7112 |
| 3 | Ethyl acetate | 141-78-6 | SHBQ9682 | 99% | 2,010.7 µg/mL | +/- 69.4979 |
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| 6 | Butyl acetate | 123-86-4 | SHBP6314 | 99% | 2,007.3 µg/mL | +/- 69.3826 |
| 7 | Amyl acetate | 628-63-7 | 41325/1 | 97% | 2,004.7 µg/mL | +/- 69.2905 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

**Tech Tips:**

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

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## Quality Confirmation Test

**Column:**
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

**Carrier Gas:**
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

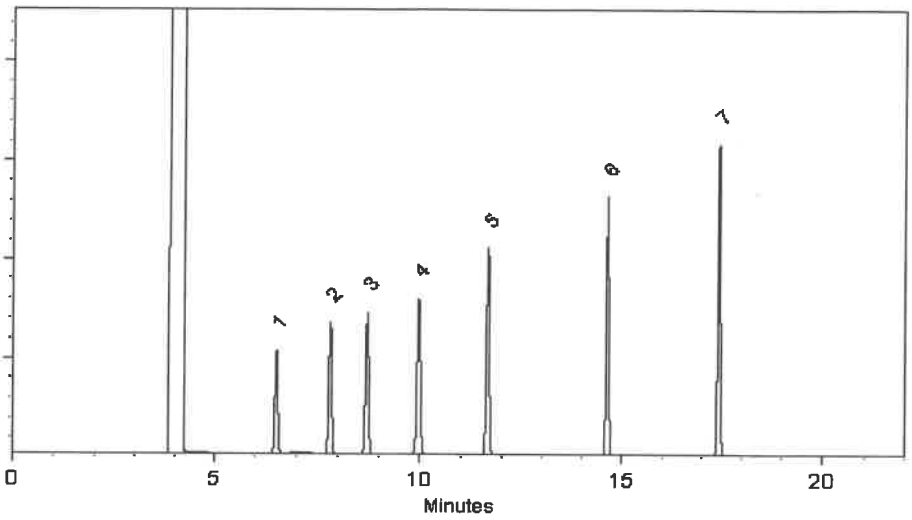
**Inj. Temp:**
200°C

**Det. Temp:**
250°C

**Det. Type:**
FID

**Split Vent:**
40 ml/min

**Inj. Vol**
1µl




This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

**Date Mixed:** 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

**Date Passed:** 01-Apr-2024

**Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397**

# General Certified Reference Material Notes

## Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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## Purity Notes:

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## Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

## Handling Notes:

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555581 **Lot No.:** A0210184

**Description :** Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
| 1 | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99% | 25,212.0 µg/mL | +/- 1,427.8857 |
| 2 | 1,4-Difluorobenzene | 540-36-3 | MKCS8657 | 99% | 25,220.0 µg/mL | +/- 1,428.3388 |
| 3 | Chlorobenzene-d5 | 3114-55-4 | PR-31132 | 99% | 25,116.0 µg/mL | +/- 1,422.4487 |
| 4 | Pentafluorobenzene | 363-72-4 | MKCR9383 | 99% | 25,180.0 µg/mL | +/- 1,426.0734 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

John Friedline - Operations Technician I

**Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Bellefonte, PA 16823-8812
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Certificate #3222.02

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**Description :** Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 10°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Component # | Compound | CAS # | Lot # | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---|---|---|---|---|---|---|
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**Solvent:** P&T Methanol
**CAS #** 67-56-1
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John Friedline - Operations Technician I

**Date Mixed:** 11-Apr-2024 **Balance:** 1127510105

REVIEWED

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Registered Quality System
Certificate #FM 80397

## General Certified Reference Material Notes

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### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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  $k$ is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

**Part Number:** 70046
**Lot Number:** 070122
**Description:** Bromochloromethane

**Solvent:** Methanol **Lot#** EC592-US

**Expiration Date:** 070127
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 1000
**NIST Test ID#:** 6UTB

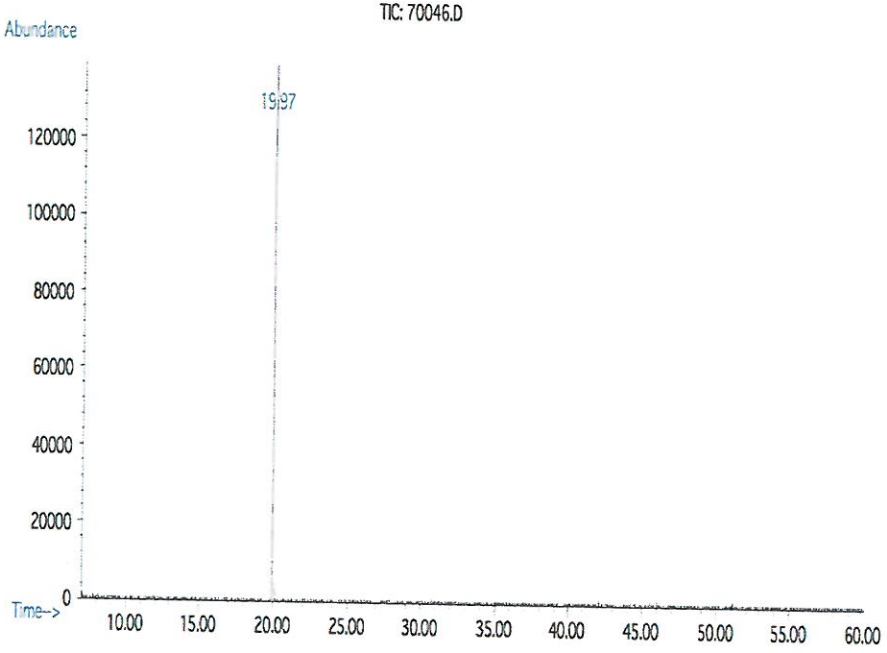
Weight(s) shown below were combined and diluted to (mL): 25.0

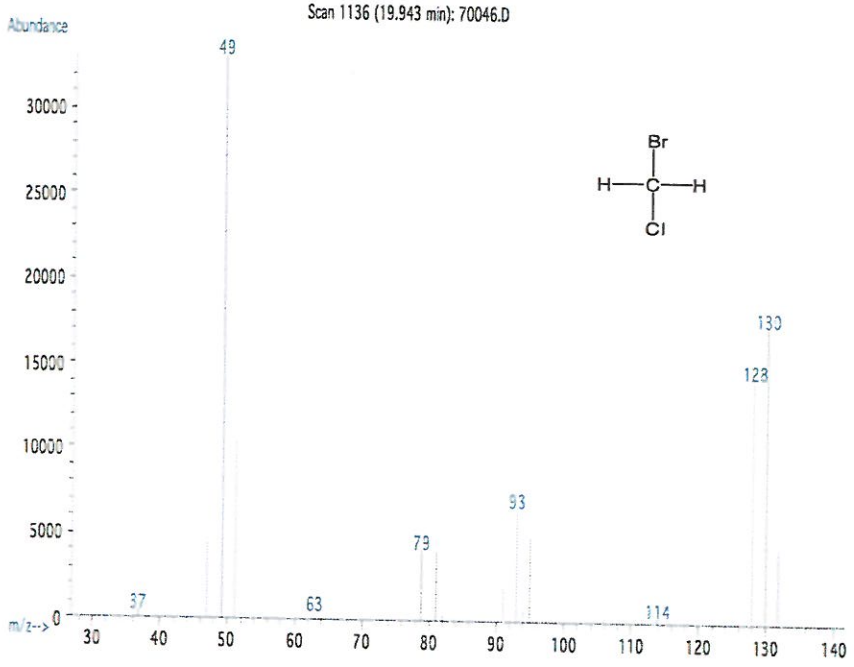
5E-05 Balance Uncertainty
0.0002 Flask Uncertainty

| | | |
|---|---|---|
| Gabriel Helland | | 070122 |
| Formulated By: | Gabriel Helland | DATE |
| Pedro Rentas | | 070122 |
| Reviewed By: | Pedro L. Rentas | DATE |

| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty Purity (%) | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information (Solvent Safety Info. On Attached pg.) CAS# | OSHA PEL (TWA) | LD50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. Bromochloromethane | 46 | AY01 | 1000 | 99 | 0.2 | 0.02530 | 0.02540 | 1004.1 | 5.7 | 74-97-5 | 200 ppm (1050mg/m3/8H) | orl-rat 5000mg/kg |

**Method GC6MSD-1.M:** Column : (60m X 0.25mm X 1.5 µm) Temp 1 = 35°C (10min.), Temp 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector B= 200°C, Detector B = 220°C. Analyst: Candice Warren




- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
|---|---|---|
| Assay ($CH_3OH$) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.2 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.03 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis - Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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Jamie Ethier
Vice President Global Quality

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4934
QUOTE NO.
COC Number 2041988P4935

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY Virginia Beach STATE: ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 7574664901 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 112608005 - WB13 LOCATION:
PROJECT MANAGER: Ernie Wu
e-mail: ernie.wu at tetratech.com
PHONE: 757 466 4901 FAX:

### CLIENT BILLING INFORMATION

BILL TO: See contract PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX (RUSH) 72 Hours (3) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

### ANALYSIS

1 VOCs 8260B
2 1,4-Dioxane 8270D
3 1,4-Dioxane EPA 522
4
5
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES AE 1 | E 2 | EF 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TB-01-20241118 | Aq | | ✓ | 11/18/24 | 12:00 | 2 | 2 | | | | | | | | | Lab supplied Trip Blank |
| 2. | BPOW6-11-20241118 | GW | | ✓ | 11/18/24 | 14:15 | 5 | 2 | 1 | 2 | | | | | | | |
| 3. | BPOW6-7-20241118 | GW | | ✓ | 11/18/24 | 16:15 | 5 | 2 | 1 | 2 | | | | | | | |
| 4. | DUP-01-20241118 | GW | | ✓ | 11/18/24 | 12:00 | 5 | 2 | 1 | 2 | | | | | | | |
| 5. | BPOW6-10-20241119 | GW | | ✓ | 11/19/24 | 11:00 | 15 | 6 | 3 | 6 | | | | | | | DO MS/MSD |
| 6. | BPOW6-9-20241119 | GW | | ✓ | 11/19/24 | 12:55 | 5 | 2 | 1 | 2 | | | | | | | |
| 7. | FB-01-20241119 | GW | | ✓ | 11/19/24 | 13:30 | 5 | 2 | 1 | 2 | | | | | | | |
| 8. | BPOW6-8-20241119 | GW | | ✓ | 11/19/24 | 15:05 | 5 | 2 | 1 | 2 | | | | | | | |
| 9. | RB-01-20241119 | Aq | | ✓ | 11/19/24 | 16:30 | 5 | 2 | 1 | 2 | | | | | | | |
| 10. | DUP-02-20241119 | GW | | ✓ | 11/19/24 | 12:00 | 5 | 2 | 1 | 2 | | | | | | | |

PRESERVATIVES: A-HCl B-HN03 C-H2SO4 D-NaOH E-ICE F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Charles Meyer | 11/20/24 1100 | 1. 11-20-24 1100 |
| 2. | DATE/TIME: | 2. |
| 3. | DATE/TIME: 11-20-24 1451 | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright© 2020

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P4934 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 11/20/2024 11:23:00 AM
**Project Name :** CTO WE13
**Receive DateTime :** 11/20/2024 2:51:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** ADAPT
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| P4934-01 | ~~TB-01-20241118~~ TB01-20241118 | Water | 11/18/2024 | 12:00 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-02 | BPOW6-11-20241118 | Water | 11/18/2024 | 14:15 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-03 | BPOW6-7-20241118 | Water | 11/18/2024 | 16:15 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-04 | ~~DUP-01-20241118~~ DUP01-20241118 | Water | 11/18/2024 | 12:00 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-05 | ~~BPOW6-10-20241118~~ BPOW6-10-20241119 | Water | 11/19/2024 | 11:00 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-06 | P4934-05MS | Water | 11/19/2024 | 11:00 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-07 | P4934-05MSD | Water | 11/19/2024 | 11:00 | VOCMS Group1 | | 8260-Low | | 3 Bus. Days |
| P4934-08 | ~~BPOW6-9-20241118~~ BPOW6-9-20241119 | Water | 11/19/2024 | 12:55 | | | | | |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P4934 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 11/20/2024 11:23:00 AM
**Project Name :** CTO WE13
**Receive DateTime :** 11/20/2024 2:51:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 4
**EDD Type :** ADAPT
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | VOCMS Group1 | | 8260-Low | 3 Bus. Days | | |
| P4934-09 | ~~FB-01-20241119~~ FB01-20241119 | Water | 11/19/2024 | 13:30 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 3 Bus. Days | | |
| P4934-10 | ~~BPOW6-8-20241118~~ BPOW6-8-20241119 | Water | 11/19/2024 | 15:05 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 3 Bus. Days | | |
| P4934-11 | ~~RB-01-20241119~~ RB01-20241119 | Water | 11/19/2024 | 16:30 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 3 Bus. Days | | |
| P4934-12 | ~~DUP-02-20241119~~ DUP02-20241119 | Water | 11/19/2024 | 12:00 | | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | 3 Bus. Days | | |

**Relinquished By :**
**Date / Time :** 11-20-24 1540

**Received By :**
**Date / Time :** 11/20/24 15:40

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 148984 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 260569 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 218244 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 92854 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 3148 | 1.232 | ug/l | | 0.01 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 2.460%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 1980 | 1.063 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 2.120%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 7267 | 1.132 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 2.260%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 2216 | 1.015 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 2.020%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 1889 | 1.001 | ug/l | | 88 |
| 3) Chloromethane | 1.295 | 50 | 1723 | 0.868 | ug/l | | 90 |
| 4) Vinyl Chloride | 1.374 | 62 | 2010 | 0.951 | ug/l | # | 81 |
| 5) Bromomethane | 1.593 | 94 | 1826 | 1.405 | ug/l | # | 72 |
| 6) Chloroethane | 1.666 | 64 | 1724 | 1.339 | ug/l | # | 82 |
| 7) Trichlorofluoromethane | 1.874 | 101 | 3093 | 0.819 | ug/l | | 92 |
| 8) Diethyl Ether | 2.136 | 74 | 1421 | 1.032 | ug/l | | 75 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 1764 | 0.979 | ug/l | | 94 |
| 10) Methyl Iodide | 2.441 | 142 | 1911 | 0.849 | ug/l | # | 97 |
| 11) Tert butyl alcohol | 2.941 | 59 | 3949 | 9.628 | ug/l | # | 73 |
| 12) 1,1-Dichloroethene | 2.300 | 96 | 1775 | 1.034 | ug/l | # | 62 |
| 13) Acrolein | 2.233 | 56 | 2045 | 4.730 | ug/l | | 90 |
| 14) Allyl chloride | 2.654 | 41 | 2371 | 0.845 | ug/l | | 87 |
| 15) Acrylonitrile | 3.063 | 53 | 4483 | 4.485 | ug/l | | 95 |
| 16) Acetone | 2.386 | 43 | 5977 | 5.093 | ug/l | # | 86 |
| 17) Carbon Disulfide | 2.502 | 76 | 3223 | 0.910 | ug/l | | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 2775 | 1.015 | ug/l | | 97 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 5162 | 0.828 | ug/l | | 94 |
| 20) Methylene Chloride | 2.782 | 84 | 2099 | 1.054 | ug/l | # | 73 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 1624 | 0.916 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.751 | 45 | 4882 | 0.814 | ug/l | # | 30 |
| 23) Vinyl Acetate | 3.727 | 43 | 18541 | 3.613 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 3.593 | 63 | 2919 | 0.844 | ug/l | # | 94 |
| 25) 2-Butanone | 4.581 | 43 | 6676 | 4.408 | ug/l | | 92 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 2687 | 0.860 | ug/l | | 86 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 2007 | 0.916 | ug/l | | 89 |
| 28) Bromochloromethane | 4.885 | 49 | 842 | 0.553 | ug/l | # | 48 |
| 29) Tetrahydrofuran | 5.013 | 42 | 4264 | 4.593 | ug/l | | 95 |
| 30) Chloroform | 5.093 | 83 | 3187 | 0.856 | ug/l | # | 76 |
| 31) Cyclohexane | 5.446 | 56 | 2563 | 0.900 | ug/l | # | 71 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 2600 | 0.810 | ug/l | # | 46 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 1993 | 0.859 | ug/l | # | 80 |
| 37) Ethyl Acetate | 4.733 | 43 | 1632 | 0.567 | ug/l | # | 78 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 2287 | 0.877 | ug/l | # | 78 |
| 39) Methylcyclohexane | 7.379 | 83 | 2835 | 0.941 | ug/l | | 90 |
| 40) Benzene | 6.032 | 78 | 6312 | 0.873 | ug/l | # | 84 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 724 | 0.491 | ug/l | # | 80 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 2602 | 0.896 | ug/l | | 84 |
| 43) Isopropyl Acetate | 6.355 | 43 | 3881 | 0.847 | ug/l | # | 90 |
| 44) Trichloroethene | 7.123 | 130 | 2850 | 1.393 | ug/l | | 82 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 1503 | 0.849 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 1246 | 0.890 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.824 | 83 | 1819 | 0.724 | ug/l | # | 93 |
| 48) Methyl methacrylate | 7.702 | 41 | 1511 | 0.687 | ug/l | | 90 |
| 49) 1,4-Dioxane | 7.671 | 88 | 613 | 16.166 | ug/l | # | 50 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 11392 | 4.073 | ug/l | | 96 |
| 52) Toluene | 8.714 | 92 | 3313 | 0.766 | ug/l | | 82 |
| 53) t-1,3-Dichloropropene | 8.988 | 75 | 1776 | 0.694 | ug/l | # | 86 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 2132 | 0.759 | ug/l | # | 84 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1496 | 0.838 | ug/l | # | 85 |
| 56) Ethyl methacrylate | 9.122 | 69 | 1973 | 0.709 | ug/l | # | 82 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 2502 | 0.832 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 4135 | 2.662 | ug/l | | 93 |
| 59) 2-Hexanone | 9.439 | 43 | 7726 | 3.675 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 1296 | 0.723 | ug/l | | 93 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1342 | 0.743 | ug/l | # | 80 |
| 64) Tetrachloroethene | 9.269 | 164 | 1329 | 0.924 | ug/l | | 88 |
| 65) Chlorobenzene | 10.073 | 112 | 4585 | 0.957 | ug/l | # | 86 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 1136 | 0.731 | ug/l | # | 66 |
| 67) Ethyl Benzene | 10.195 | 91 | 6890 | 0.848 | ug/l | # | 86 |
| 68) m/p-Xylenes | 10.305 | 106 | 5324 | 1.758 | ug/l | | 95 |
| 69) o-Xylene | 10.640 | 106 | 2370 | 0.801 | ug/l | | 95 |
| 70) Styrene | 10.665 | 104 | 3751 | 0.767 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 632 | 1.756 | ug/l | # | 87 |
| 73) Isopropylbenzene | 10.964 | 105 | 6379 | 0.894 | ug/l | | 94 |
| 74) N-amyl acetate | 10.848 | 43 | 2319 | 0.701 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 2224 | 0.910 | ug/l | | 83 |
| 76) 1,2,3-Trichloropropane | 11.244 | 75 | 2077 | 1.037 | ug/l | | 98 |
| 77) Bromobenzene | 11.201 | 156 | 1475 | 0.866 | ug/l | | 94 |
| 78) n-propylbenzene | 11.305 | 91 | 6810 | 0.854 | ug/l | | 95 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 4618 | 0.916 | ug/l | | 92 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5022 | 0.855 | ug/l | | 96 |
| 81) trans-1,4-Dichloro-2-b... | 11.025 | 75 | 442 | 0.592 | ug/l | # | 81 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 4940 | 0.868 | ug/l | | 94 |
| 83) tert-Butylbenzene | 11.713 | 119 | 4794 | 0.824 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 4748 | 0.812 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 5787 | 0.812 | ug/l | | 94 |
| 86) p-Isopropyltoluene | 12.012 | 119 | 4187 | 0.723 | ug/l | | 87 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 2934 | 0.946 | ug/l | | 93 |
| 88) 1,4-Dichlorobenzene | 11.969 | 146 | 2934 | 0.932 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.335 | 91 | 3522 | 0.690 | ug/l | | 93 |
| 90) Hexachloroethane | 12.536 | 117 | 835 | 0.848 | ug/l | | 86 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 2796 | 0.893 | ug/l | | 96 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.957 | 75 | 395 | 0.807 | ug/l | | 65 |
| 93) 1,2,4-Trichlorobenzene | 13.597 | 180 | 1576 | 0.854 | ug/l | | 78 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 709 | 0.972 | ug/l | | 89 |
| 95) Naphthalene | 13.780 | 128 | 4837 | 0.728 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1398 | 0.749 | ug/l | | 81 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

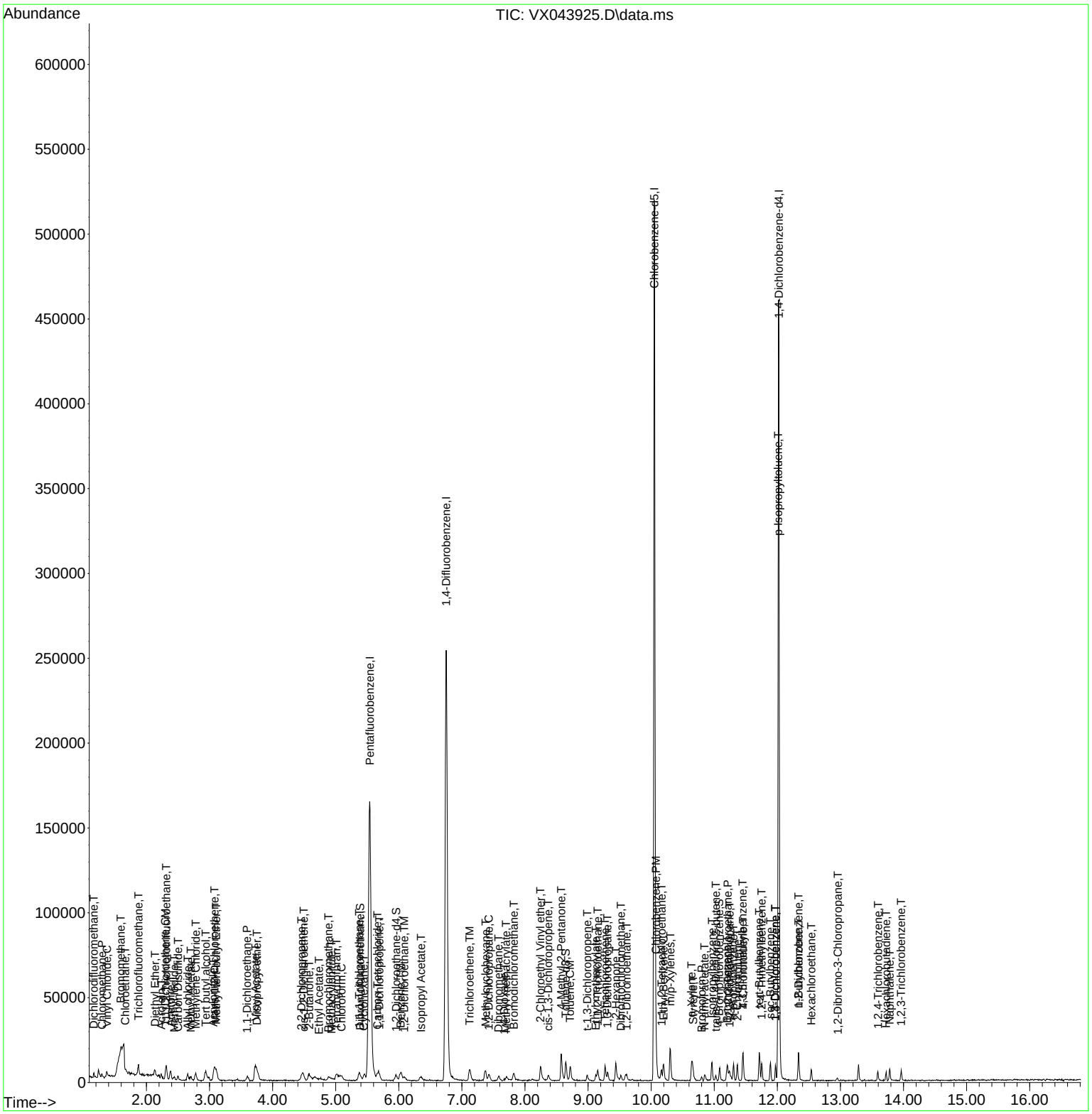
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

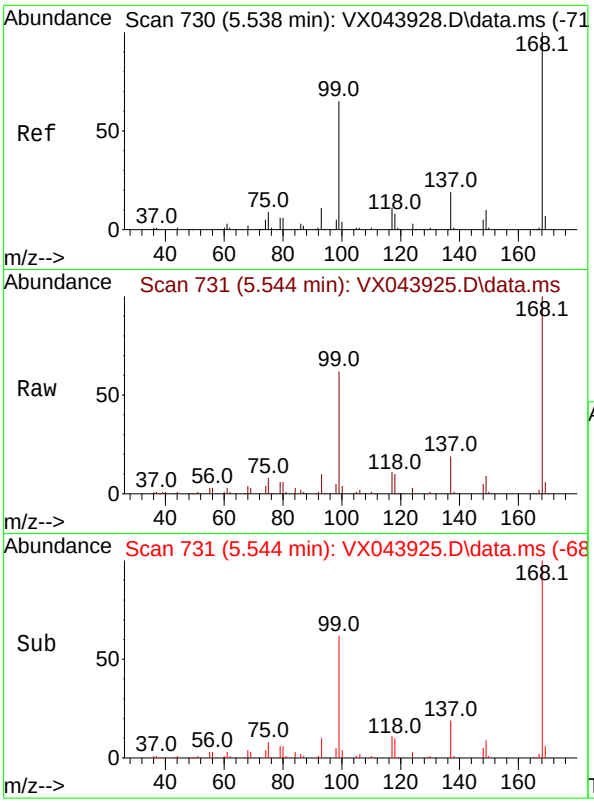
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On : 21 Nov 2024 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Nov 22 03:27:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



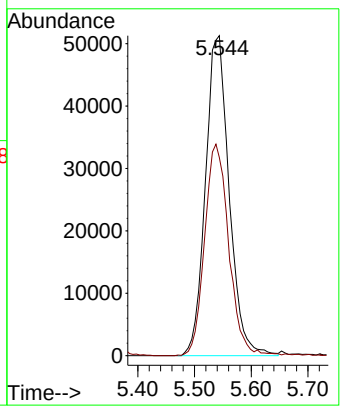


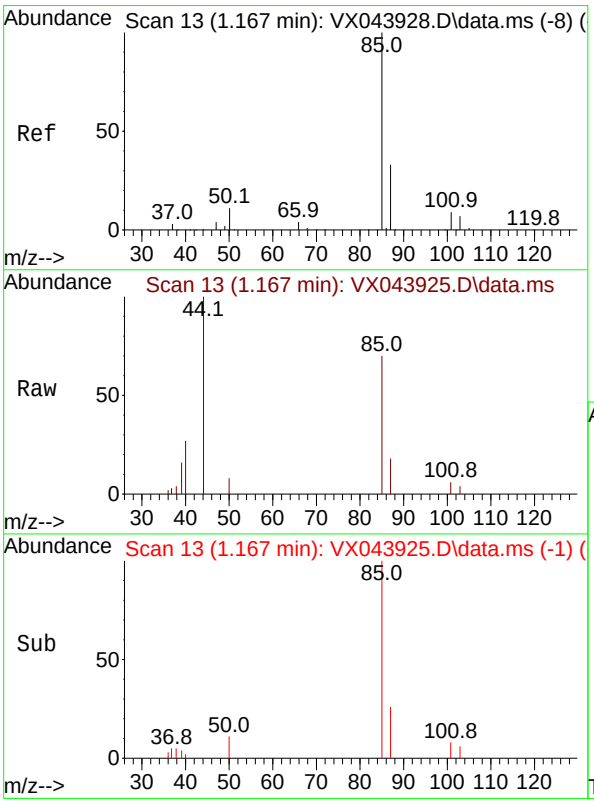

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:168 Resp: 148984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.8 | 51.8 | 77.8 |

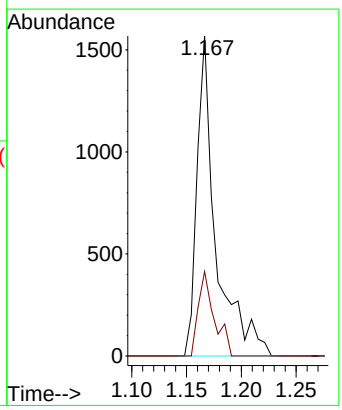


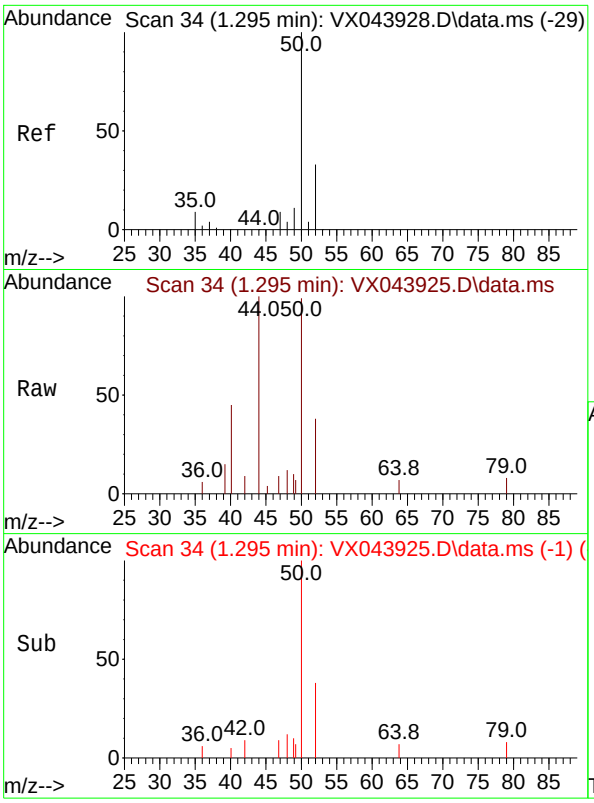




#2
Dichlorodifluoromethane
Concen: 1.001 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 26.4 | 16.6 | 49.8 |



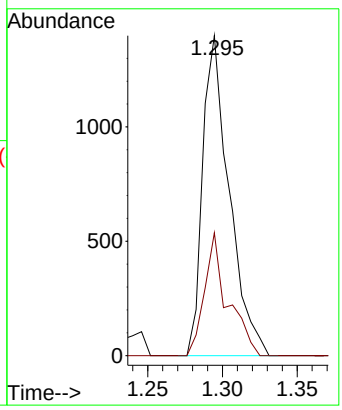


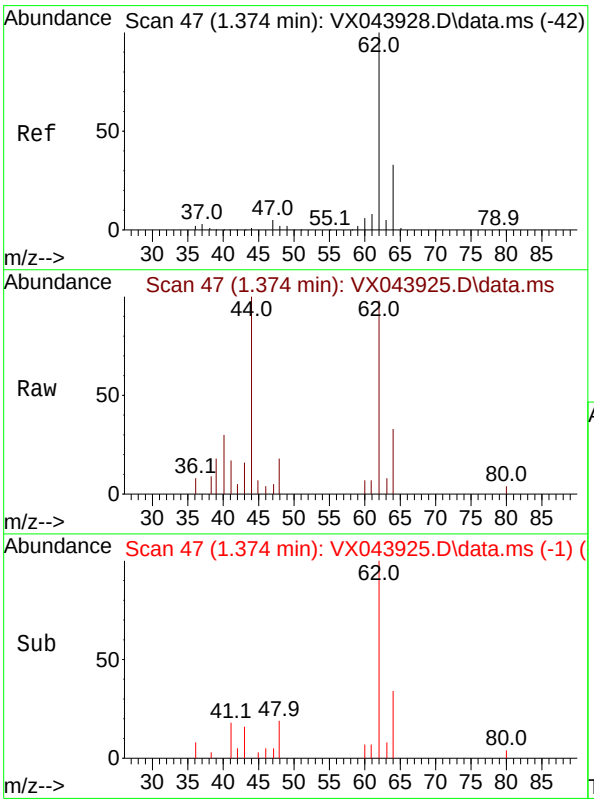

#3
Chloromethane
Concen: 0.868 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 50 Resp: 1723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 38.4 | 26.1 | 39.1 |

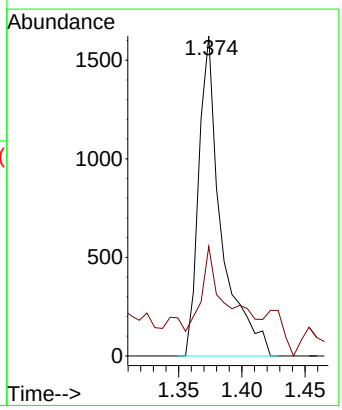


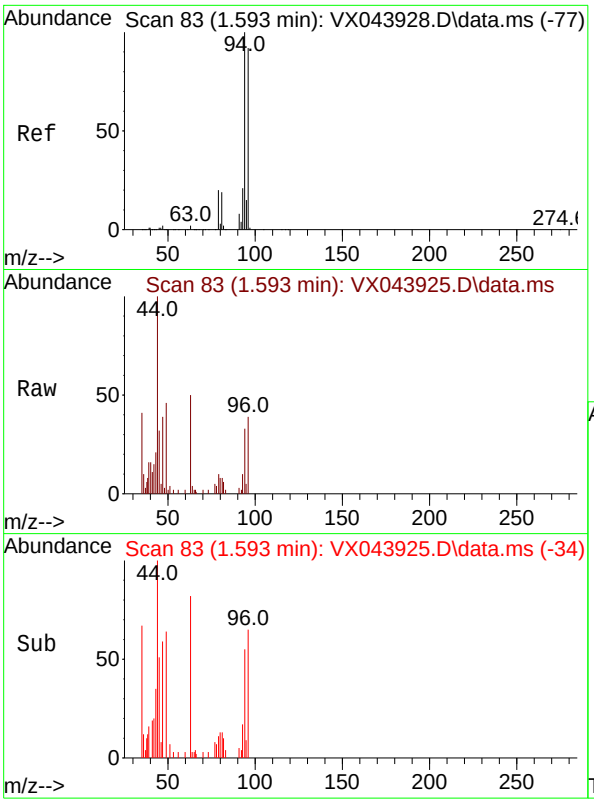




#4
Vinyl Chloride
Concen: 0.951 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 22.4 | 26.2 | 39.4# |



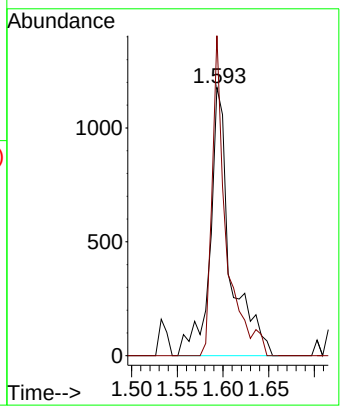


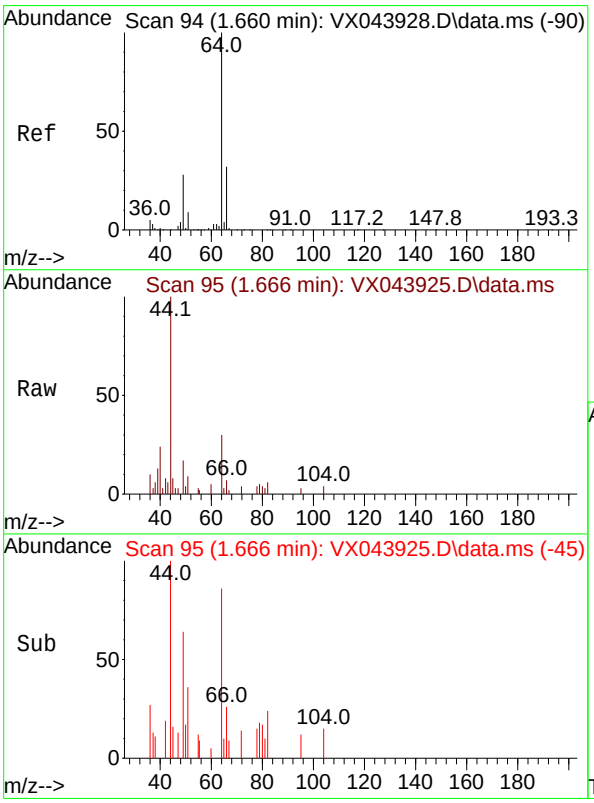

#5
Bromomethane
Concen: 1.405 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 94 Resp: 1826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 119.3 | 73.9 | 110.9# |

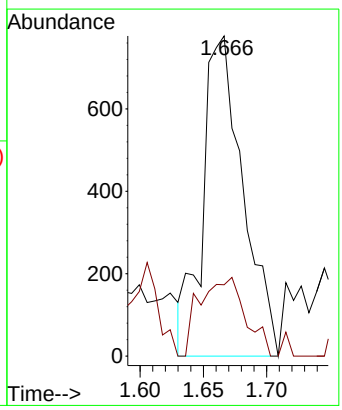


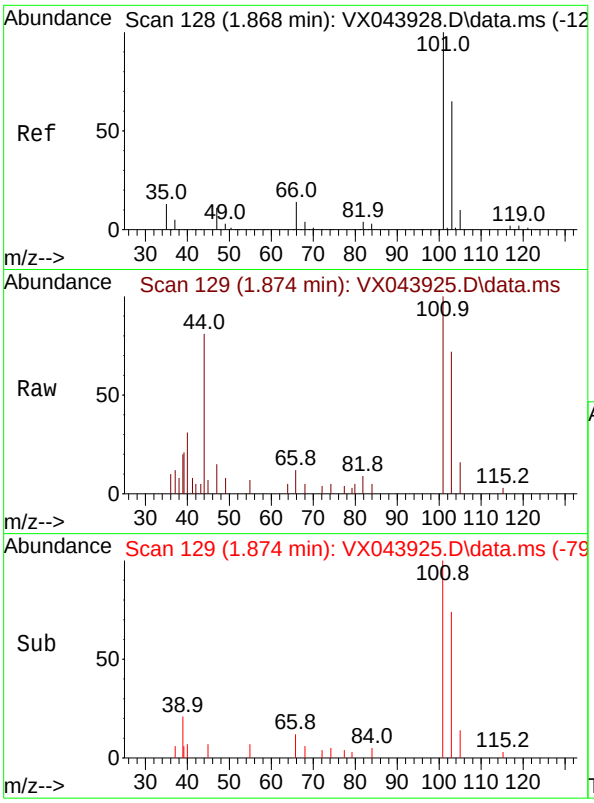




#6
Chloroethane
Concen: 1.339 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 64 Resp: 1724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 22.3 | 25.9 | 38.9# |



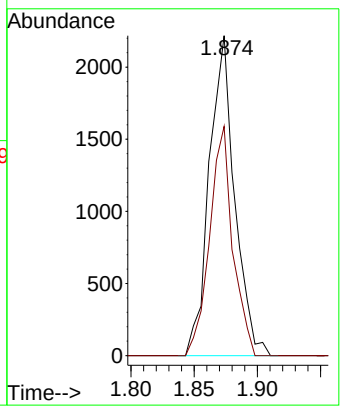


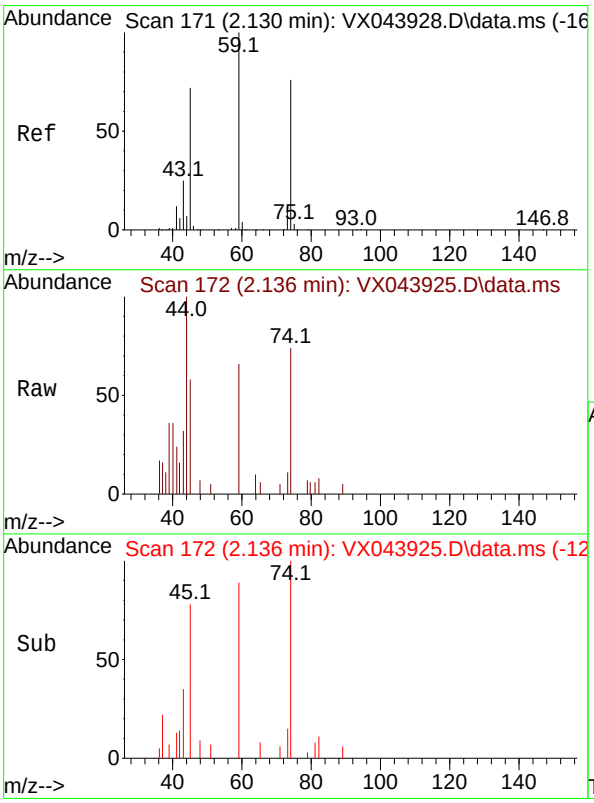

#7
Trichlorofluoromethane
Concen: 0.819 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 3093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 71.6 | 52.2 | 78.2 |

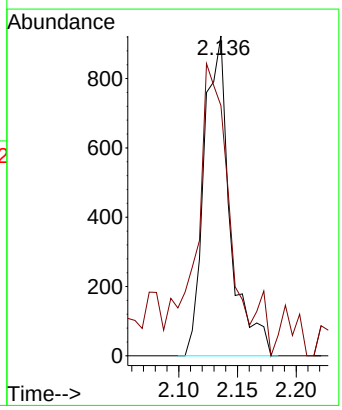


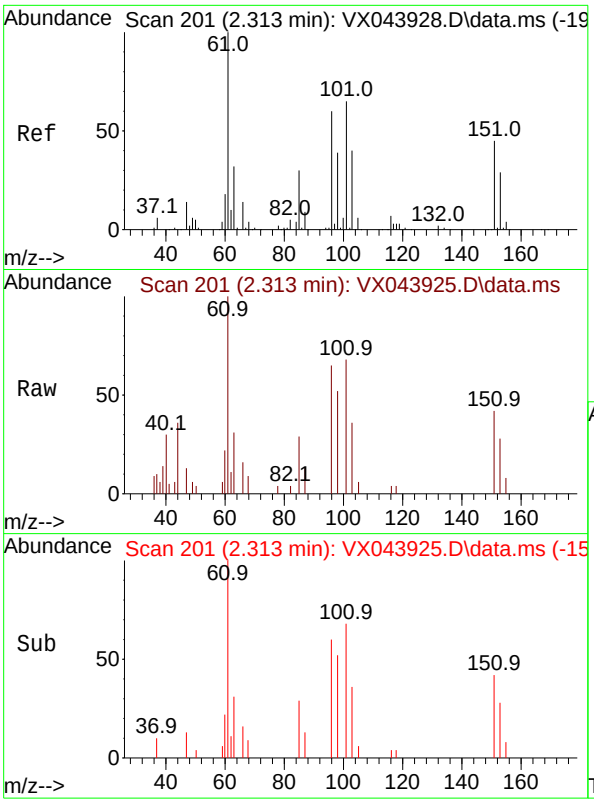




#8
Diethyl Ether
Concen: 1.032 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 120.1 | 47.9 | 143.6 |



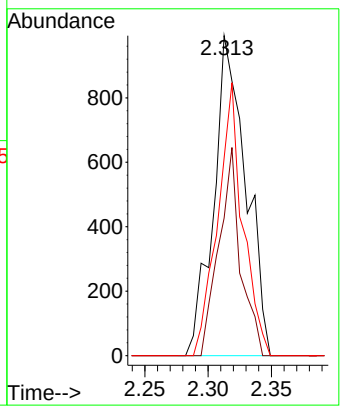


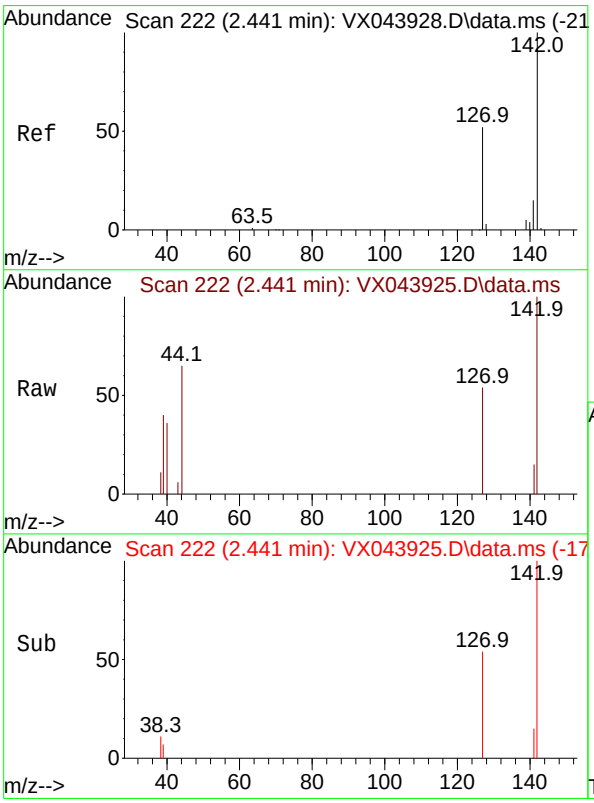

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l
RT: 2.313 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:101 Resp: 1764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.5 | 37.9 | 56.9 |
| 151 | 66.1 | 57.5 | 86.3 |

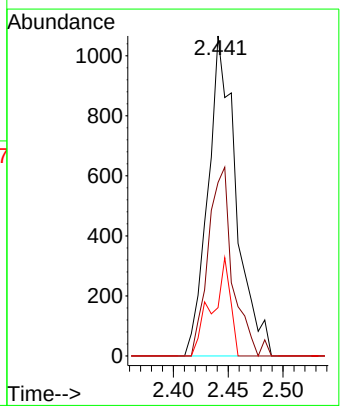


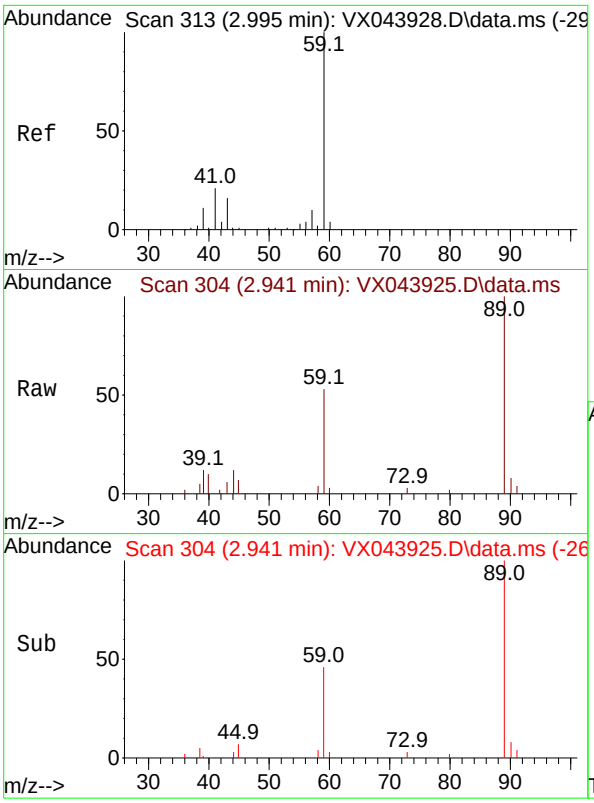




#10
Methyl Iodide
Concen: 0.849 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.4 | 40.7 | 61.1 |
| 141 | 19.9 | 12.0 | 18.0# |



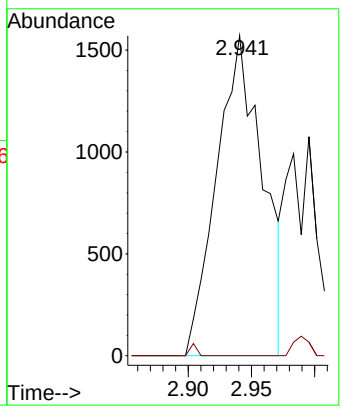


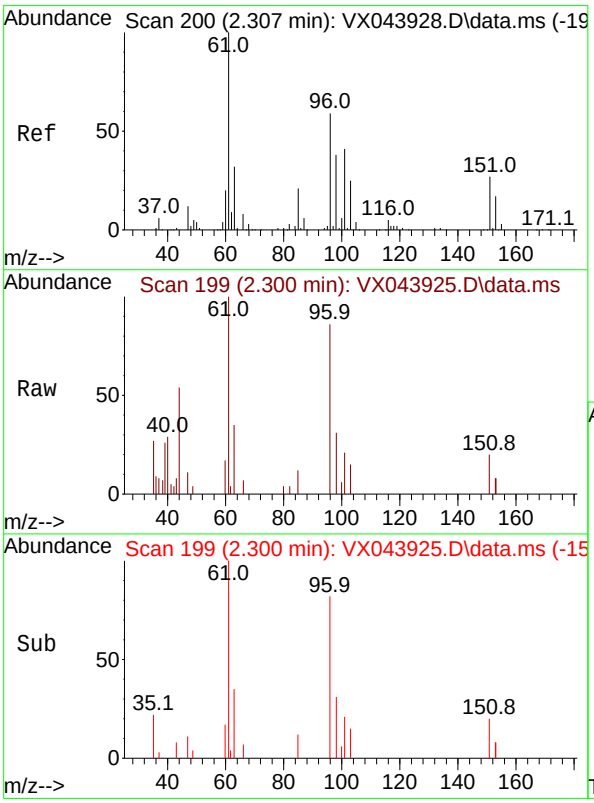

#11
Tert butyl alcohol
Concen: 9.628 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.055 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 59 Resp: 3949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 7.9 | 11.9# |

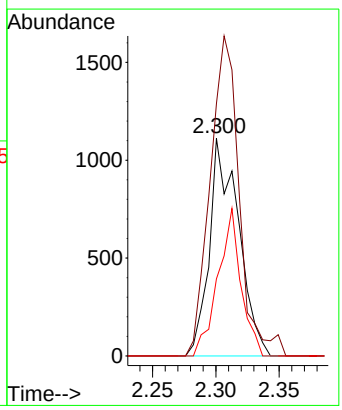


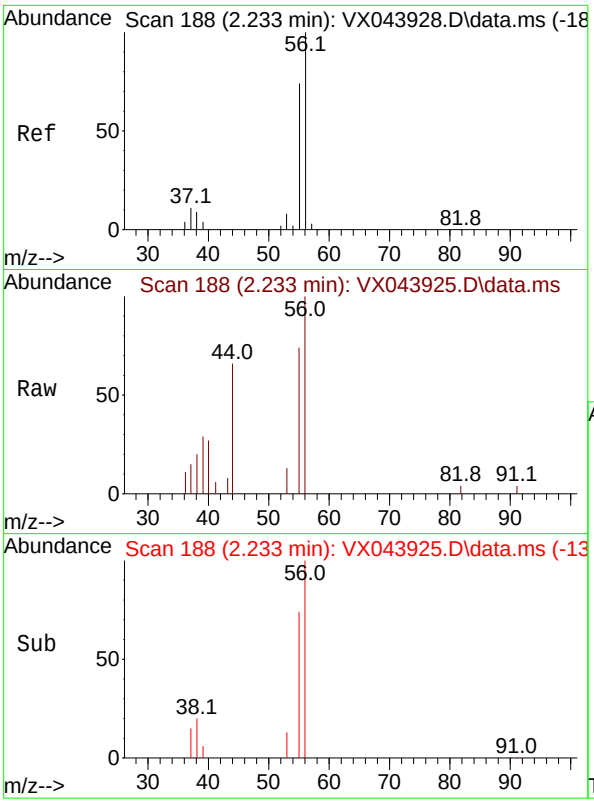




#12
1,1-Dichloroethene
Concen: 1.034 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 96 Resp: 1775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.9 | 135.5 | 203.3# |
| 98 | 35.4 | 50.8 | 76.2# |



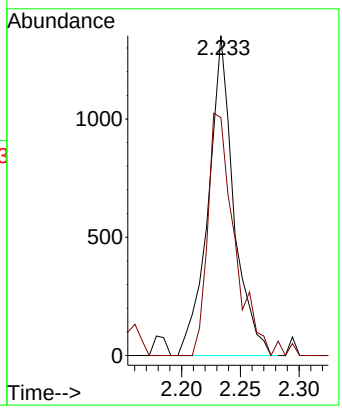


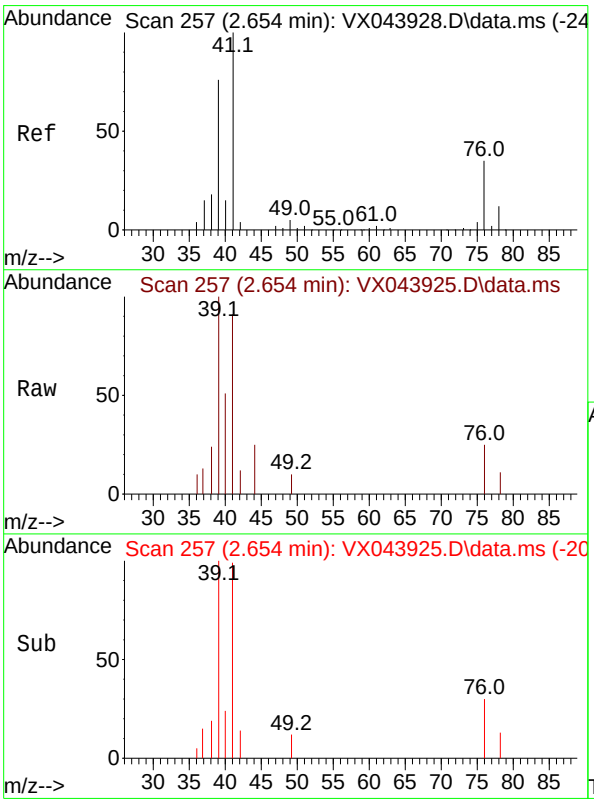

#13
Acrolein
Concen: 4.730 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 2045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 81.0 | 58.2 | 87.2 |

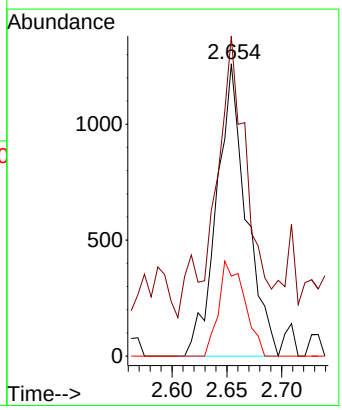


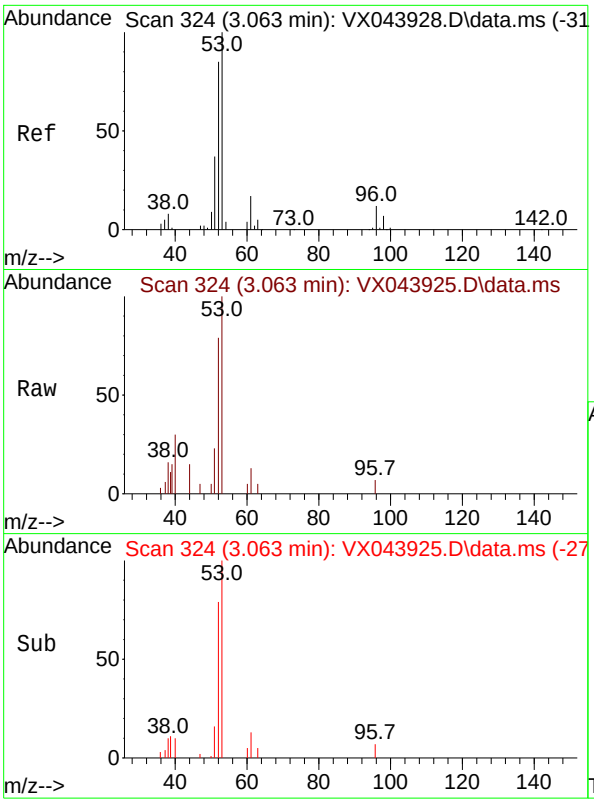




#14
Allyl chloride
Concen: 0.845 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 2371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 85.9 | 59.5 | 89.3 |
| 76 | 28.3 | 27.4 | 41.2 |



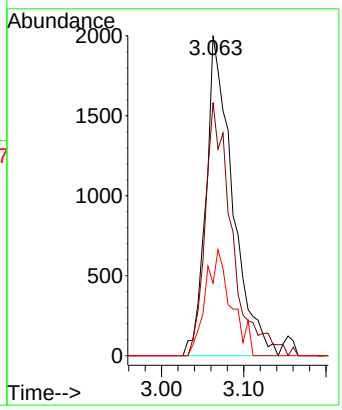


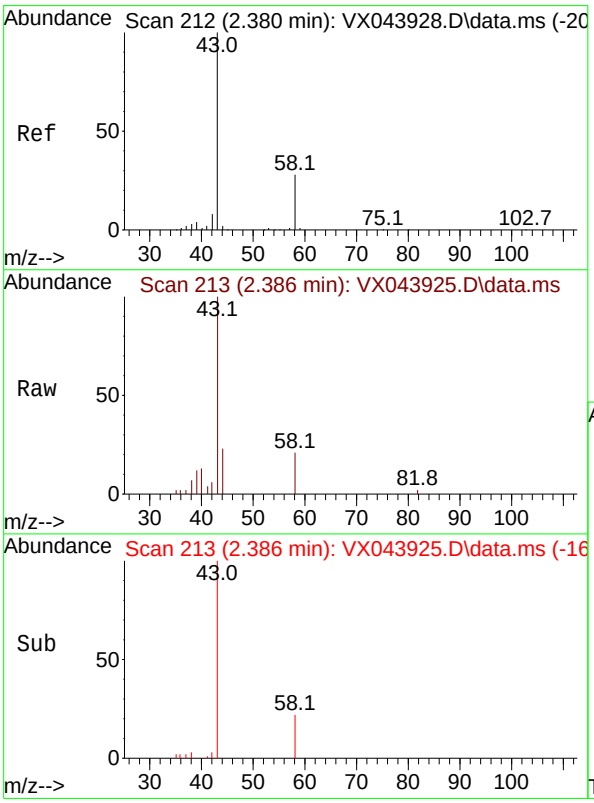

#15
Acrylonitrile
Concen: 4.485 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 53 Resp: 4483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.0 | 66.5 | 99.7 |
| 51 | 31.9 | 30.2 | 45.4 |

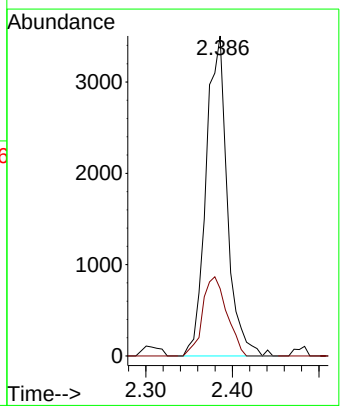


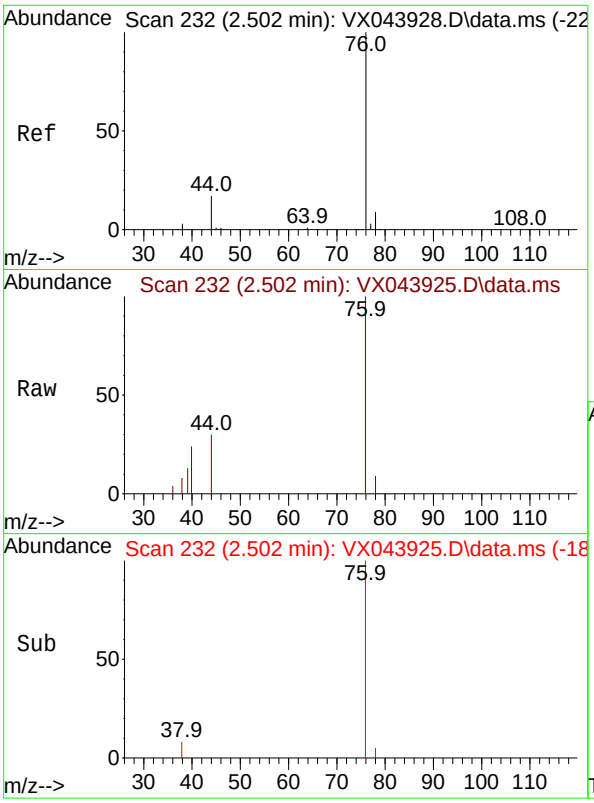




#16
Acetone
Concen: 5.093 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 21.1 | 22.7 | 34.1# |



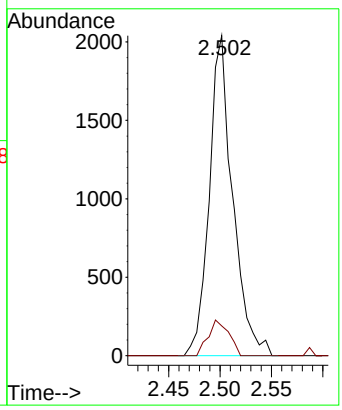


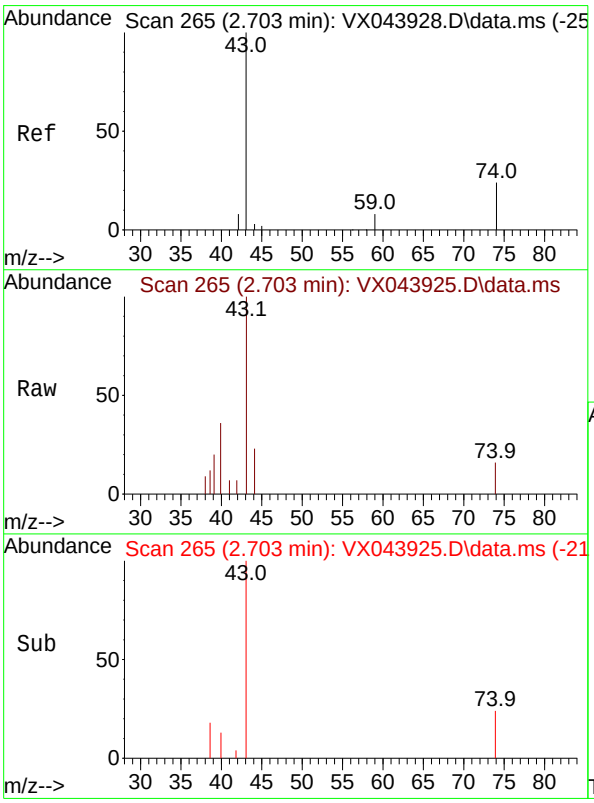

#17
Carbon Disulfide
Concen: 0.910 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 3223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.0 | 10.6 |

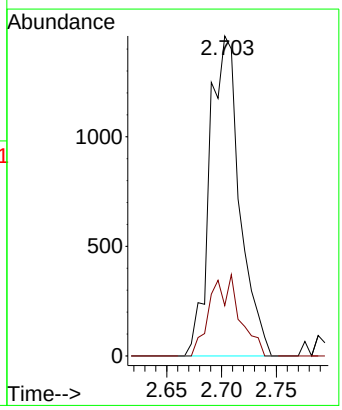


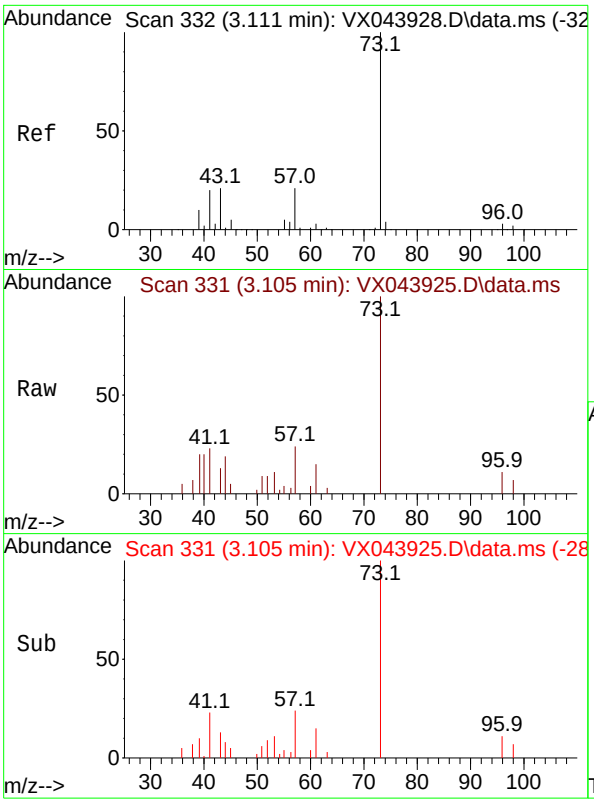




#18
Methyl Acetate
Concen: 1.015 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.9 | 18.9 | 28.3 |



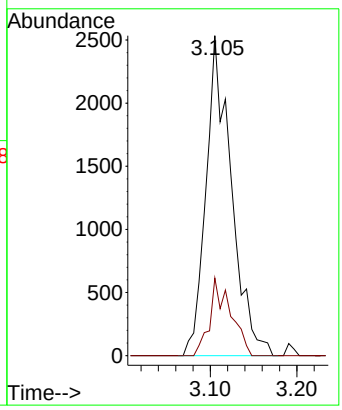


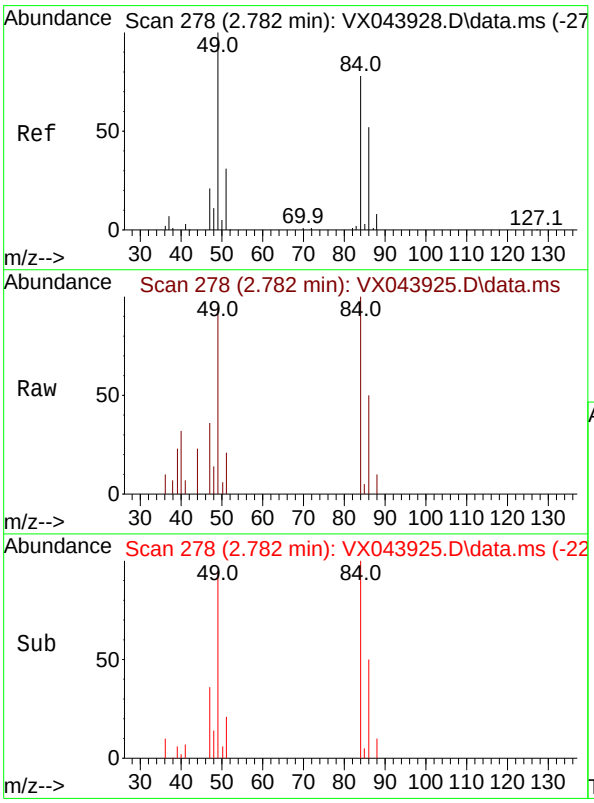

#19
Methyl tert-butyl Ether
Concen: 0.828 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 73 Resp: 5162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 24.3 | 17.0 | 25.6 |

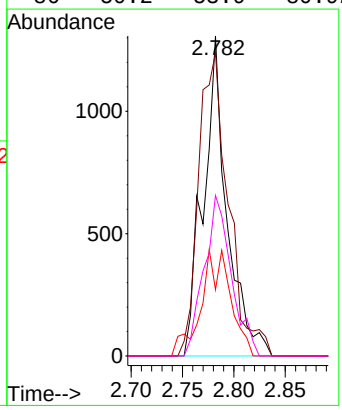


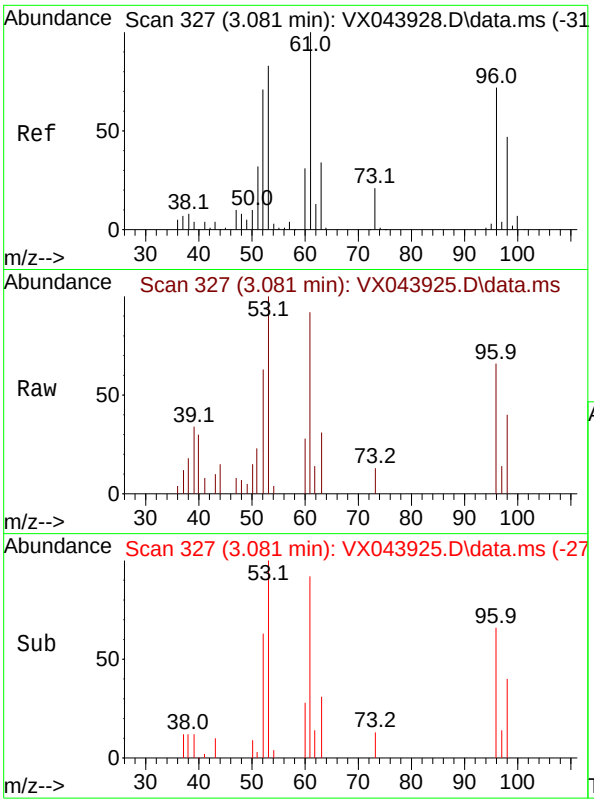




#20
Methylene Chloride
Concen: 1.054 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 94.8 | 102.7 | 154.1# |
| 51 | 20.7 | 31.7 | 47.5# |
| 86 | 50.2 | 53.9 | 80.9# |



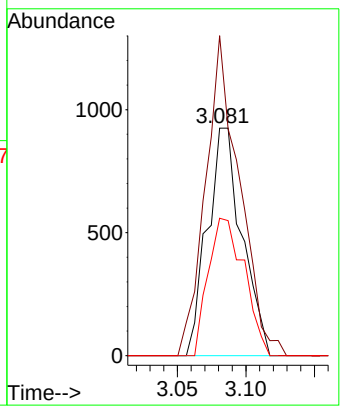


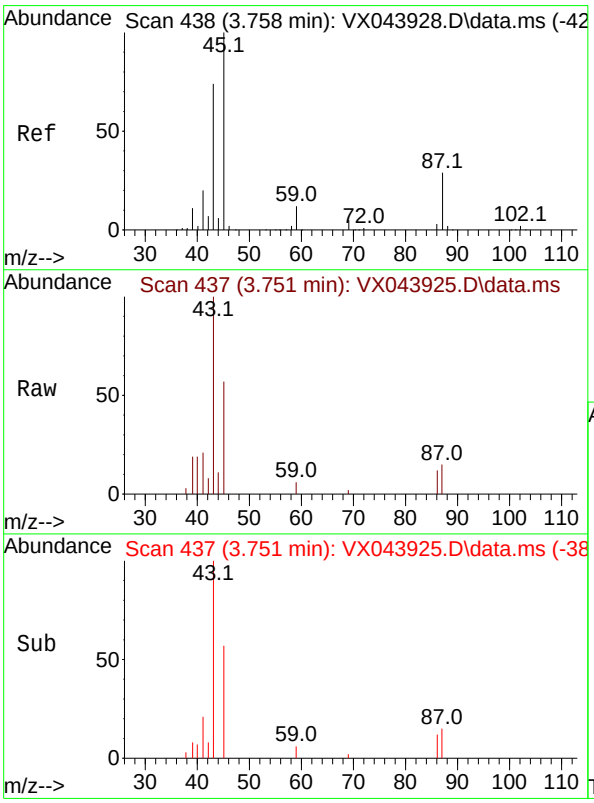

#21
trans-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 1624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.6 | 111.8 | 167.6 |
| 98 | 60.4 | 52.7 | 79.1 |

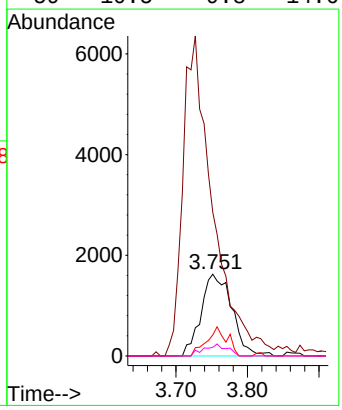


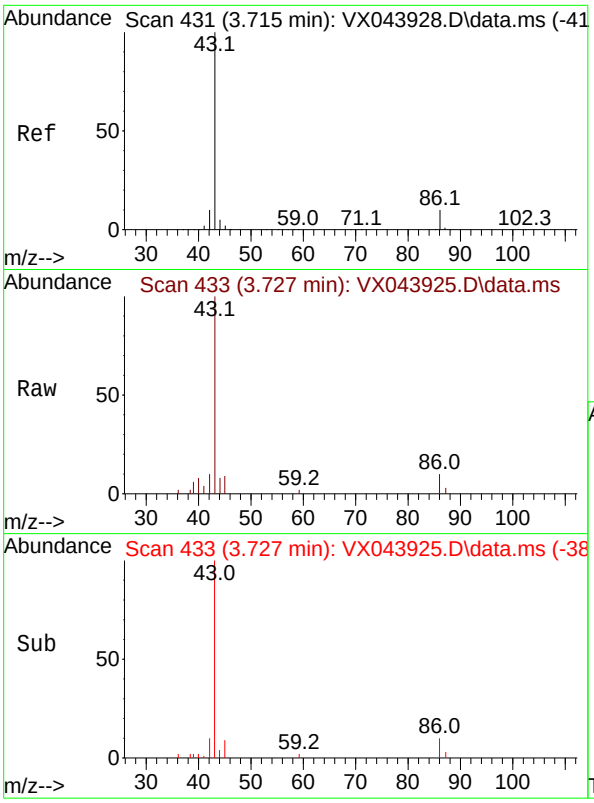




#22
Diisopropyl ether
Concen: 0.814 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 164.2 | 59.6 | 89.4# |
| 87 | 25.6 | 22.9 | 34.3 |
| 59 | 10.5 | 9.8 | 14.6 |



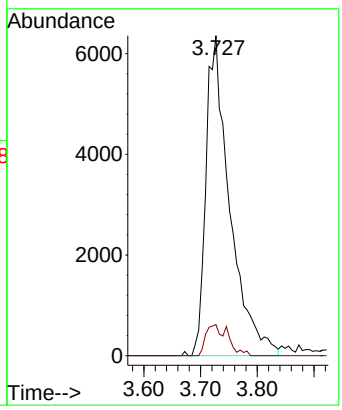


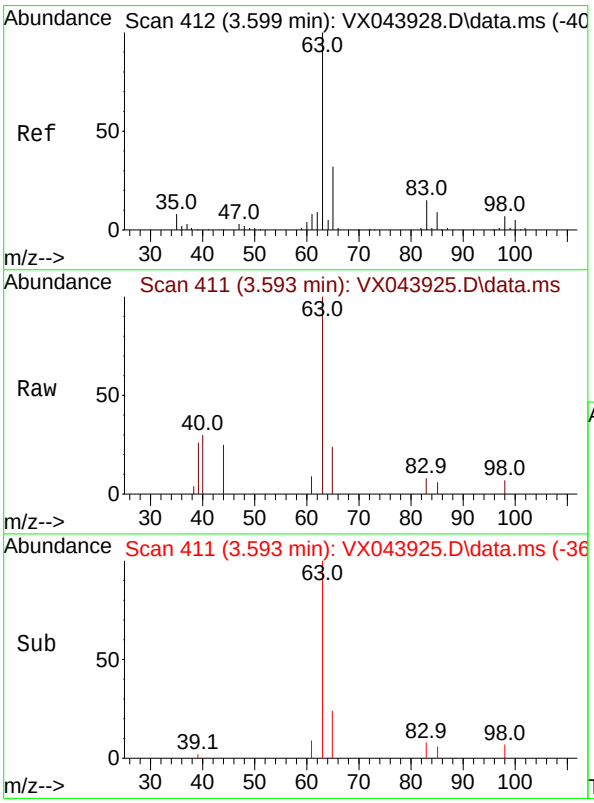

#23
Vinyl Acetate
Concen: 3.613 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 18541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.7 | 8.3 | 12.5 |

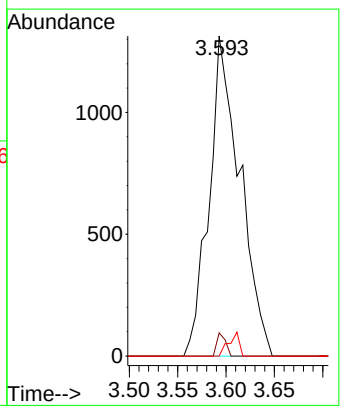


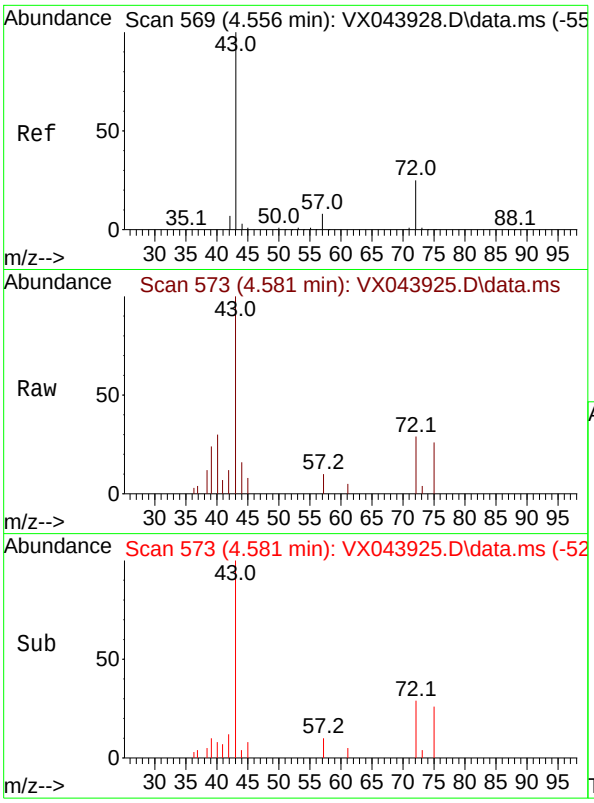




#24
1,1-Dichloroethane
Concen: 0.844 ug/l
RT: 3.593 min Scan# 411
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 0.0 | 2.4 | 7.1# |



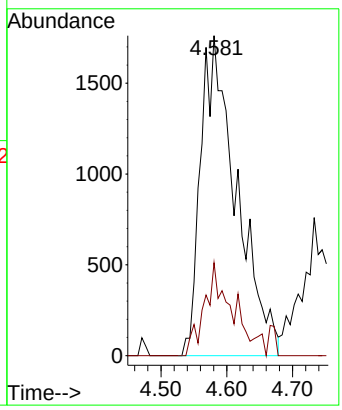


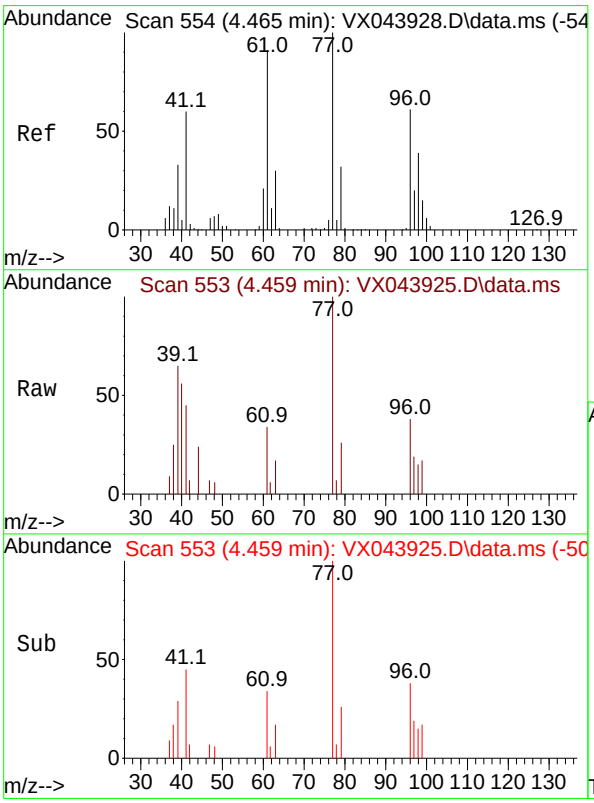

#25
2-Butanone
Concen: 4.408 ug/l
RT: 4.581 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 6676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 29.1 | 20.2 | 30.2 |

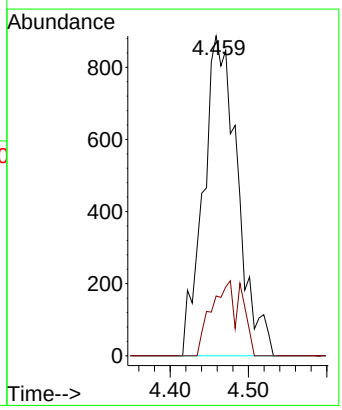


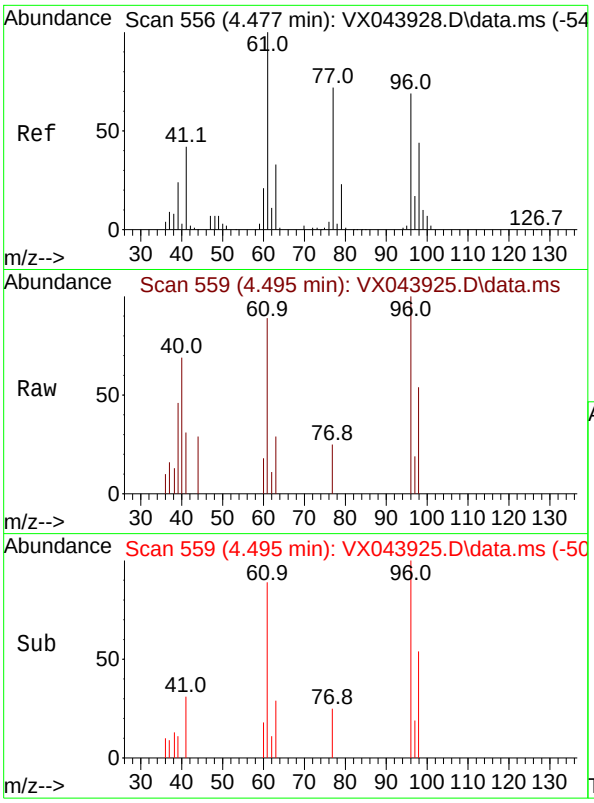




#26
2,2-Dichloropropane
Concen: 0.860 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 15.1 | 10.8 | 32.3 |



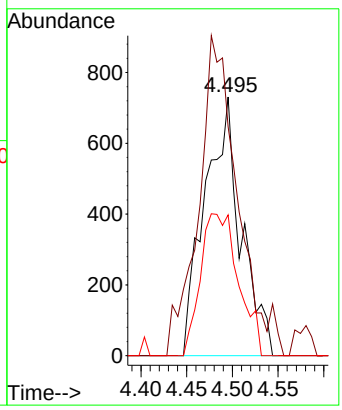


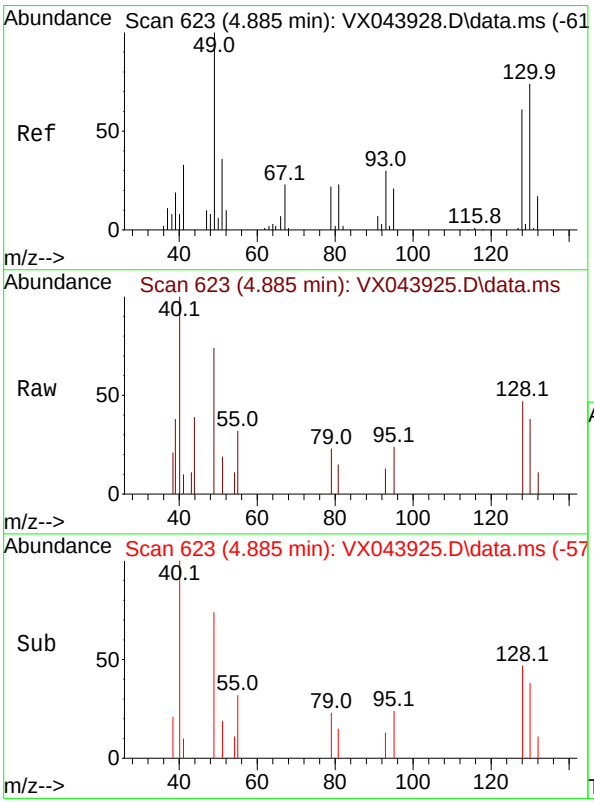

#27
cis-1,2-Dichloroethene
Concen: 0.916 ug/l
RT: 4.495 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 96 Resp: 2007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.7 | 0.0 | 297.4 |
| 98 | 57.8 | 0.0 | 127.8 |

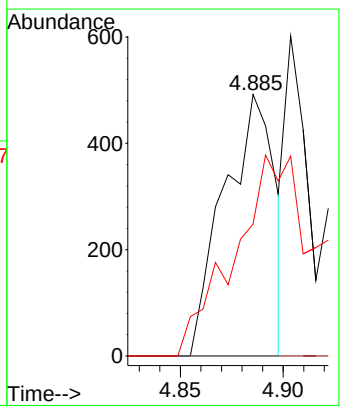


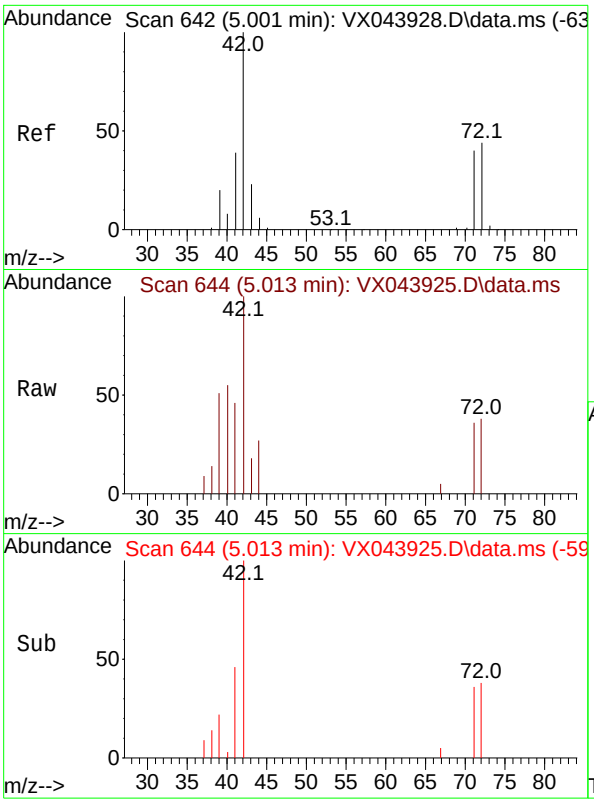




#28
Bromochloromethane
Concen: 0.553 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 49 Resp: 842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 4.0 |
| 130 | 118.8 | 59.0 | 88.6# |



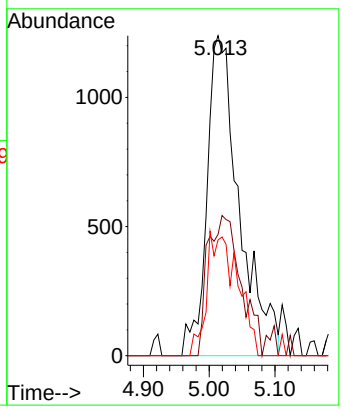


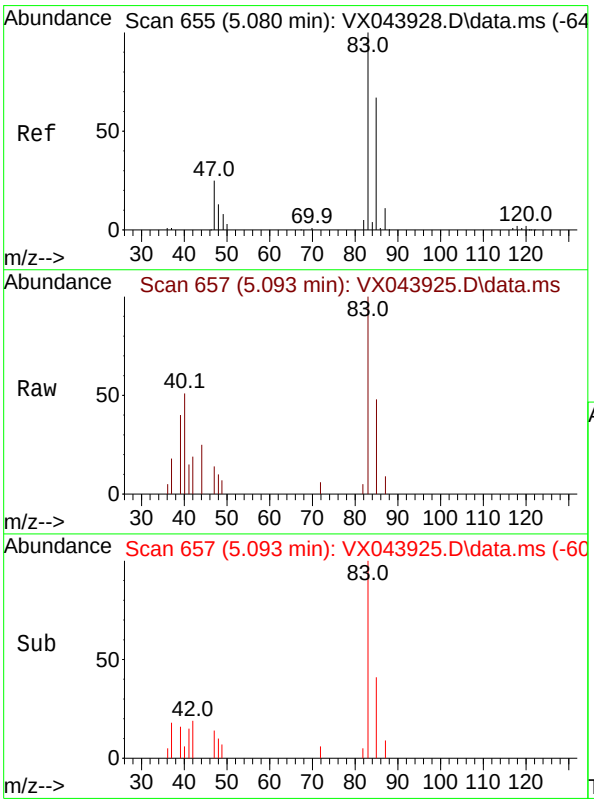

#29
Tetrahydrofuran
Concen: 4.593 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 42 Resp: 4264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 36.4 | 54.6 |
| 71 | 36.6 | 33.4 | 50.0 |

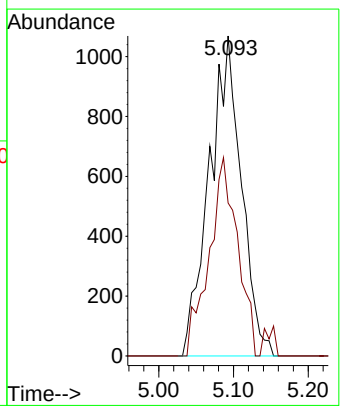


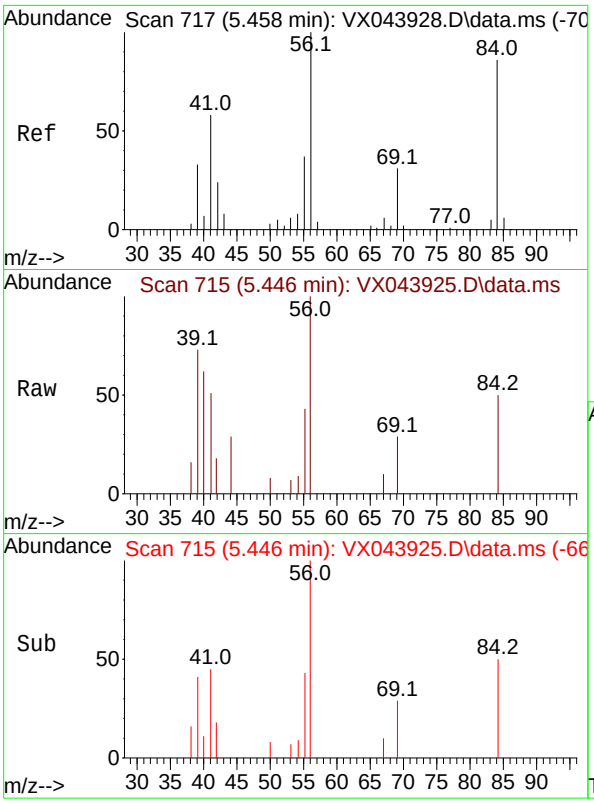




#30
Chloroform
Concen: 0.856 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 47.8 | 53.5 | 80.3# |



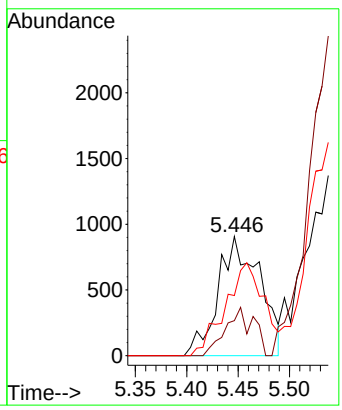


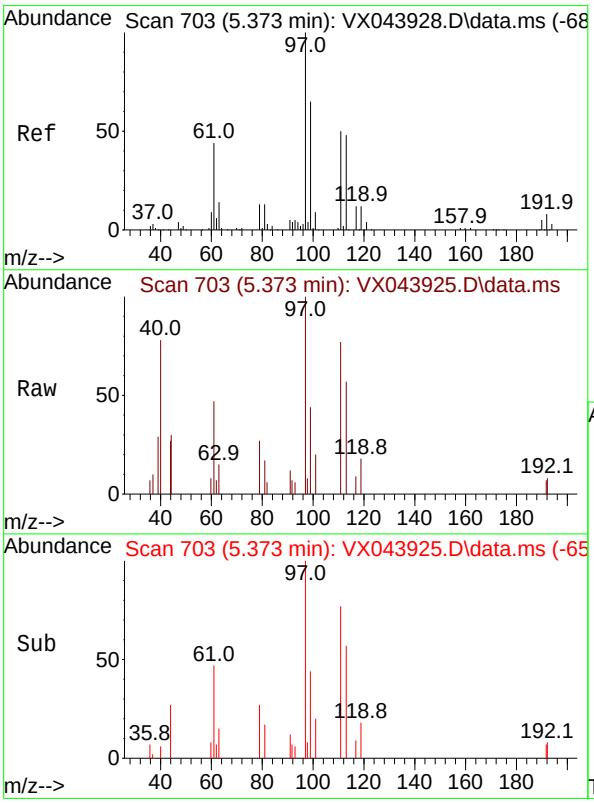

#31
Cyclohexane
Concen: 0.900 ug/l
RT: 5.446 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 56 Resp: 2563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.4 | 24.7 | 37.1 |
| 84 | 50.5 | 68.7 | 103.1# |

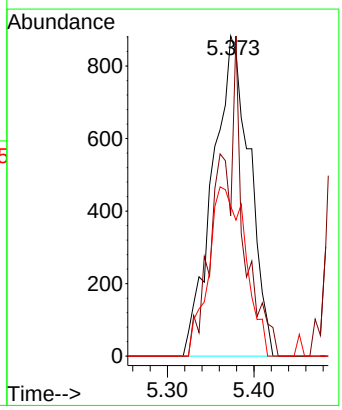


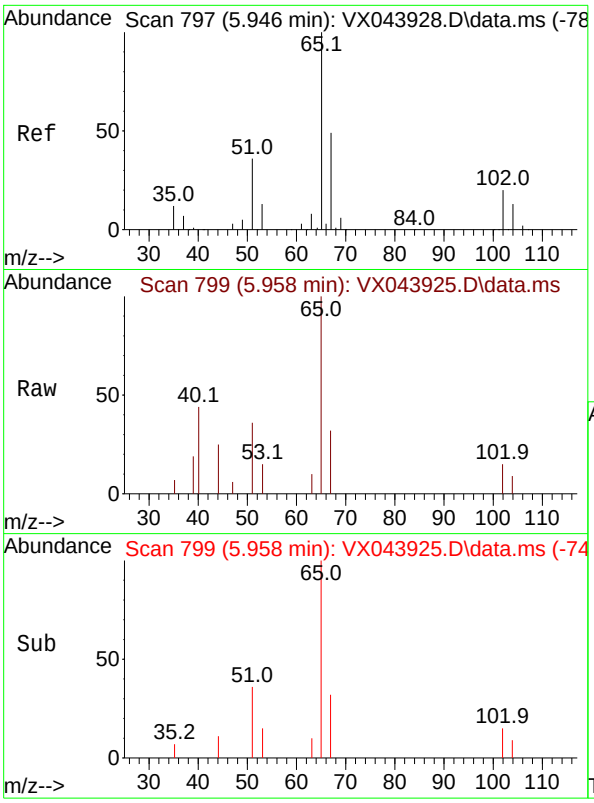




#32
1,1,1-Trichloroethane
Concen: 0.810 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 2600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.8 | 76.2# |
| 61 | 53.3 | 35.4 | 53.2# |



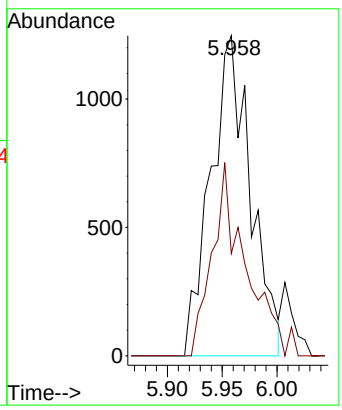


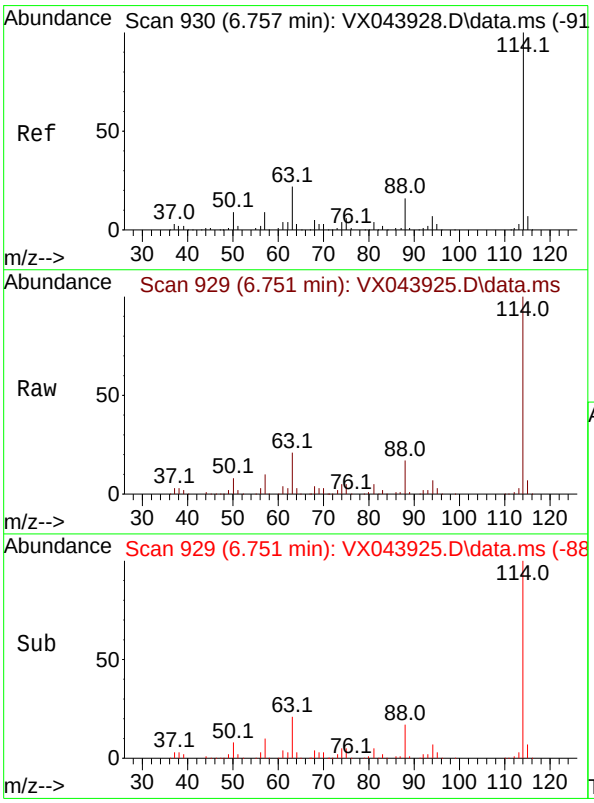

#33
1,2-Dichloroethane-d4
Concen: 1.232 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 65 Resp: 3148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.1 | 0.0 | 100.8 |

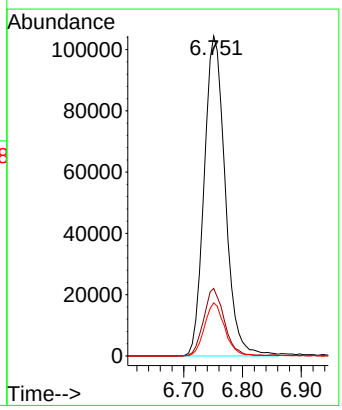


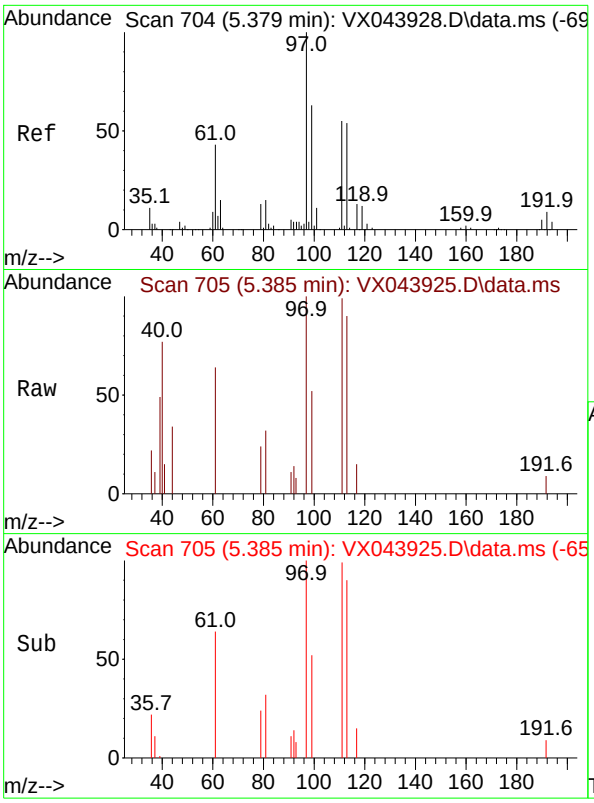




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:114 Resp: 260569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 32.4 |



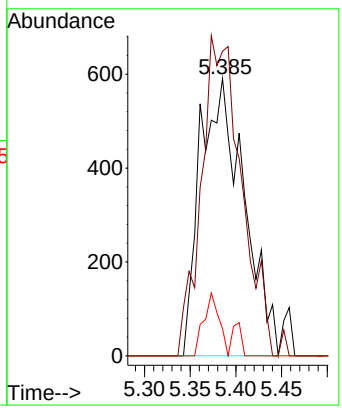


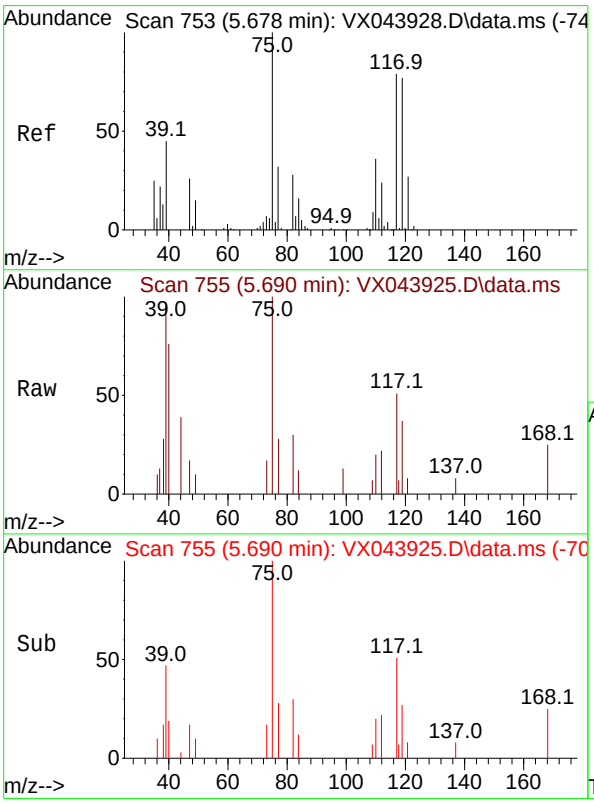

#35
Dibromofluoromethane
Concen: 1.063 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:113 Resp: 1980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.8 | 81.0 | 121.4 |
| 192 | 7.9 | 13.0 | 19.6# |

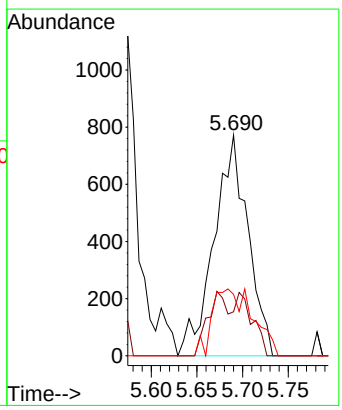


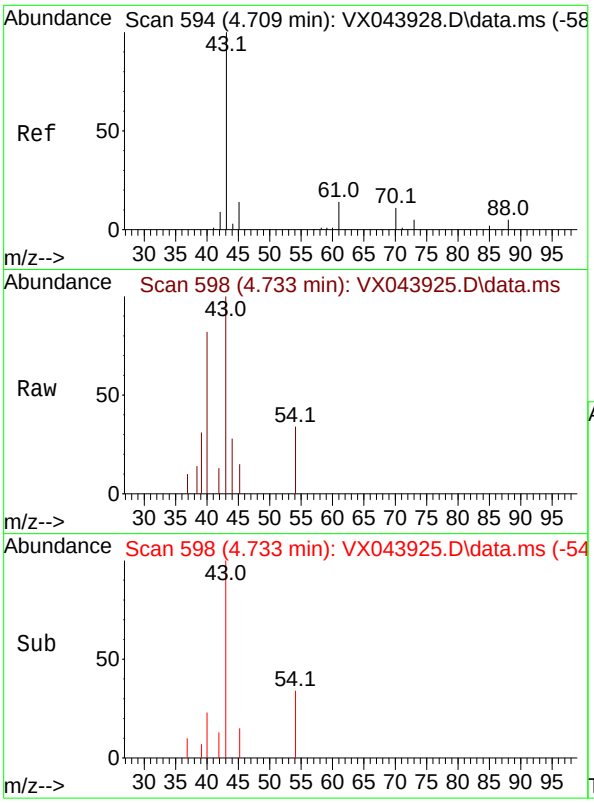




#36
1,1-Dichloropropene
Concen: 0.859 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 1993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 16.7 | 17.4 | 52.2# |
| 77 | 36.6 | 25.8 | 38.8 |



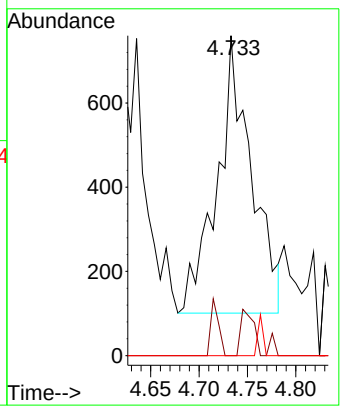


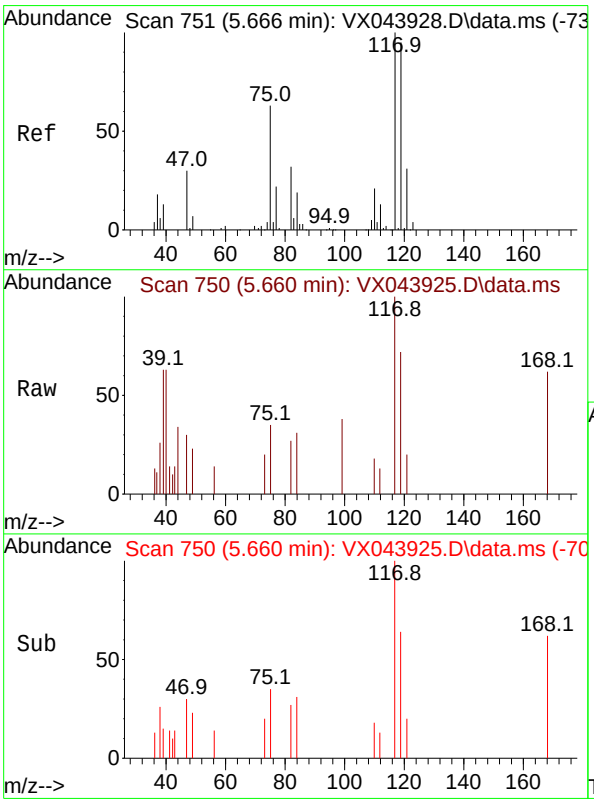

#37
Ethyl Acetate
Concen: 0.567 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 1632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 6.3 | 10.7 | 16.1# |
| 70 | 0.0 | 8.0 | 12.0# |

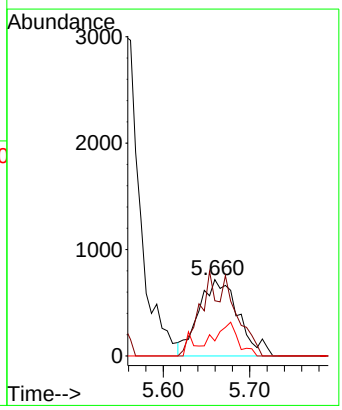


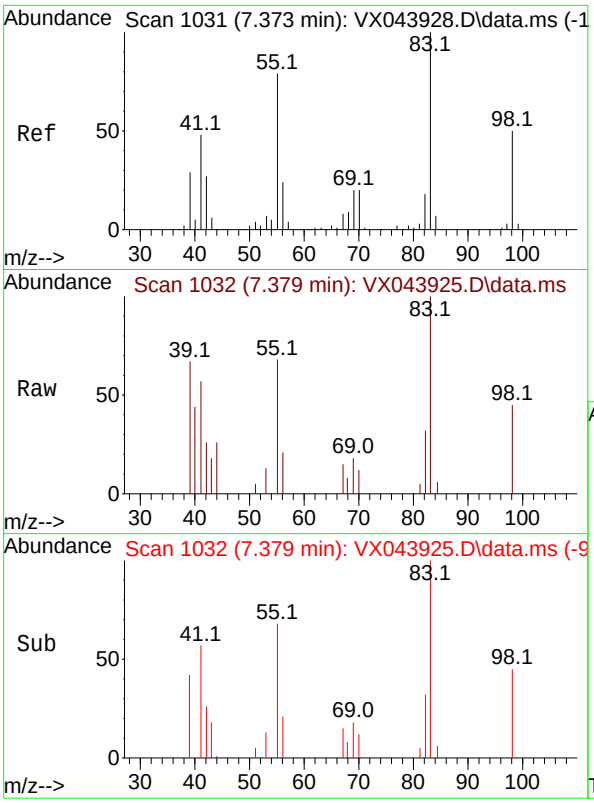




#38
Carbon Tetrachloride
Concen: 0.877 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 2287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 72.4 | 75.2 | 112.8# |
| 121 | 19.7 | 24.5 | 36.7# |



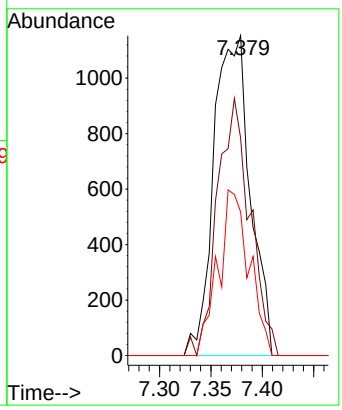


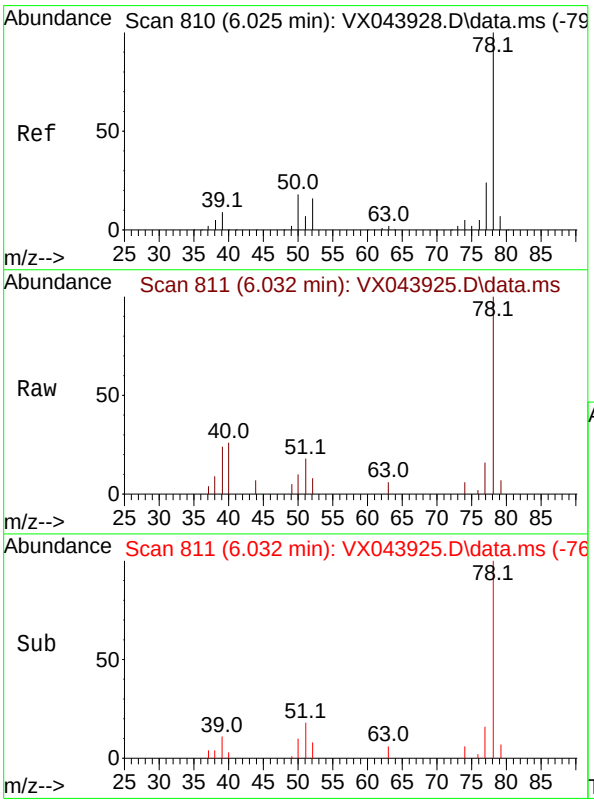

#39
Methylcyclohexane
Concen: 0.941 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 2835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 68.0 | 63.1 | 94.7 |
| 98 | 44.9 | 40.0 | 60.0 |

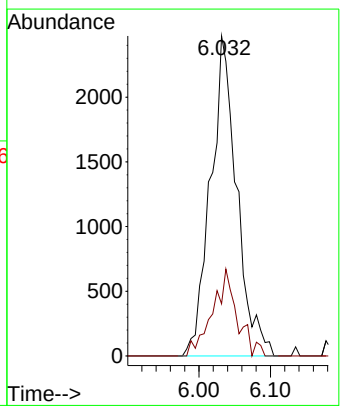


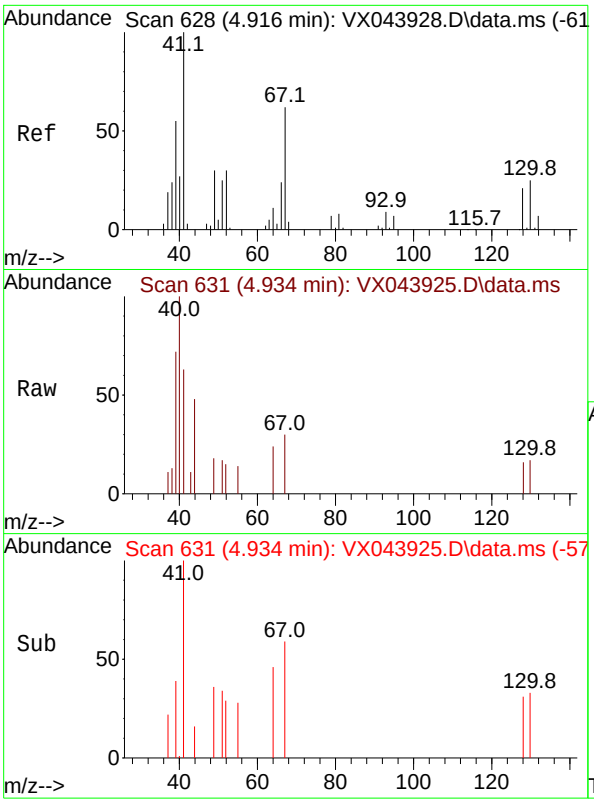




#40
Benzene
Concen: 0.873 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 16.3 | 19.2 | 28.8# |



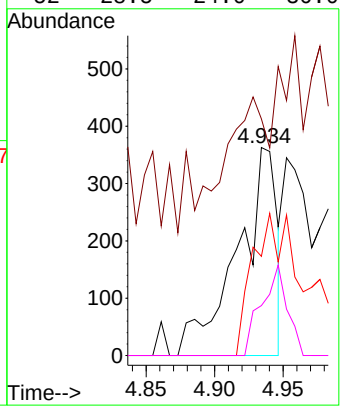


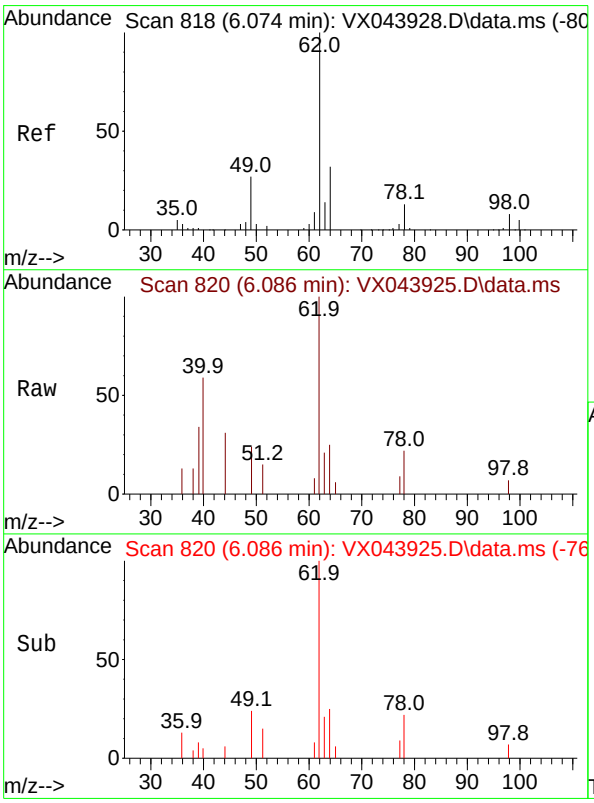

#41
Methacrylonitrile
Concen: 0.491 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 41 Resp: 724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 34.9 | 41.7 | 62.5# |
| 67 | 89.8 | 55.8 | 83.8# |
| 52 | 28.5 | 24.0 | 36.0 |

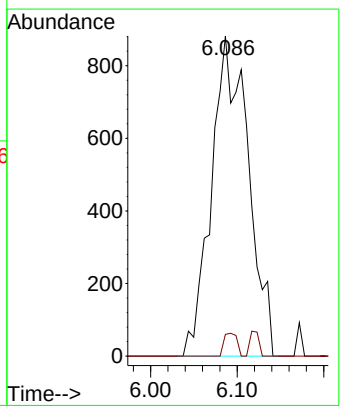


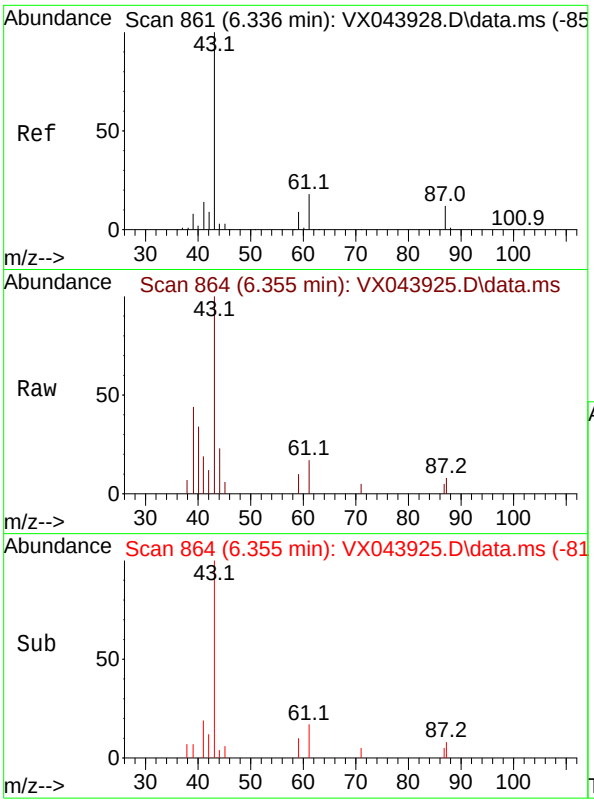




#42
1,2-Dichloroethane
Concen: 0.896 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 2.5 | 0.0 | 16.4 |



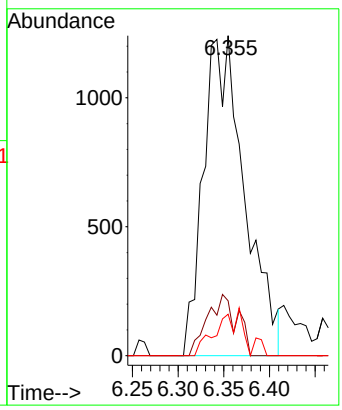


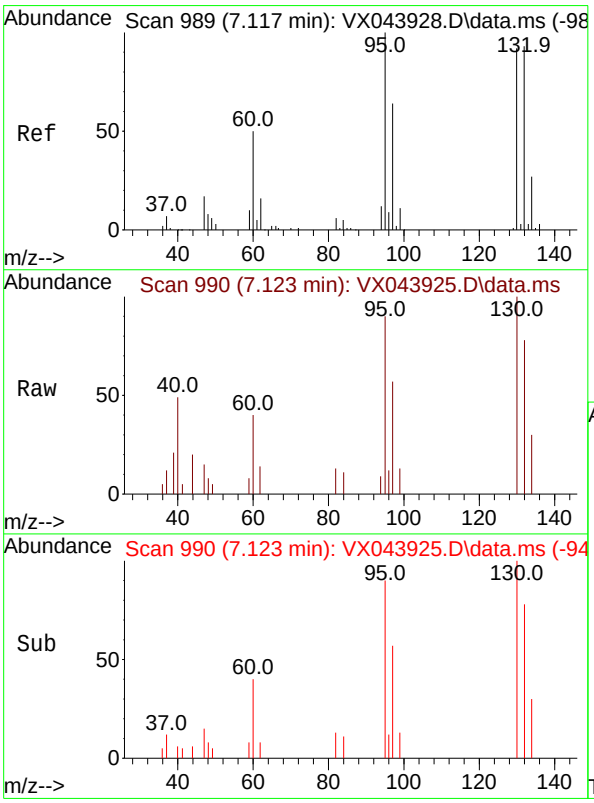

#43
Isopropyl Acetate
Concen: 0.847 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 3881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.8 | 14.5 | 21.7# |
| 87 | 8.9 | 10.2 | 15.2# |

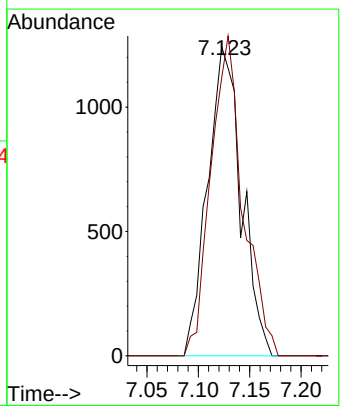


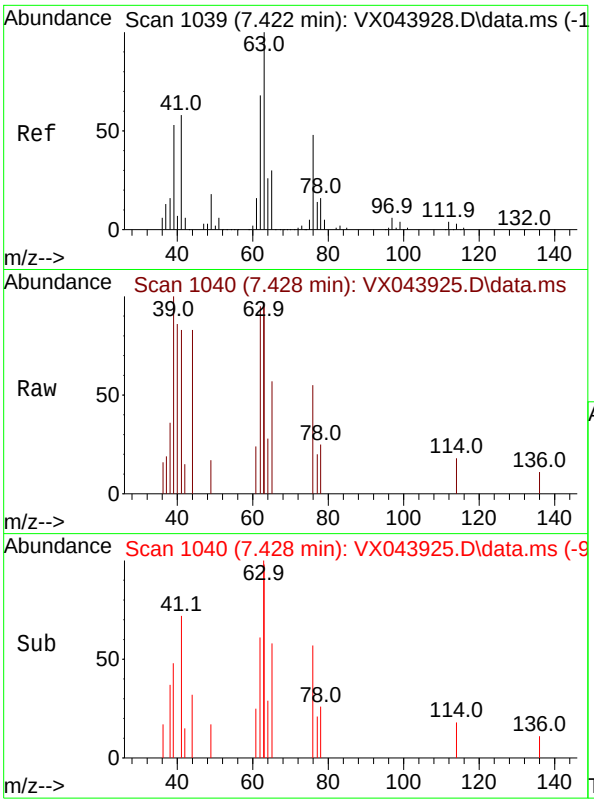




#44
Trichloroethene
Concen: 1.393 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:130 Resp: 2850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 90.0 | 0.0 | 217.8 |



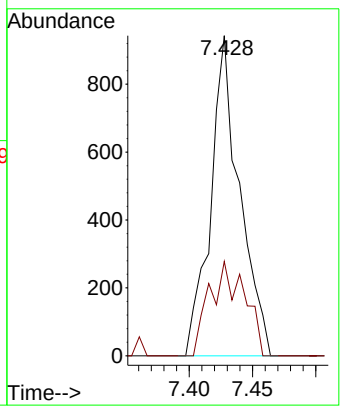


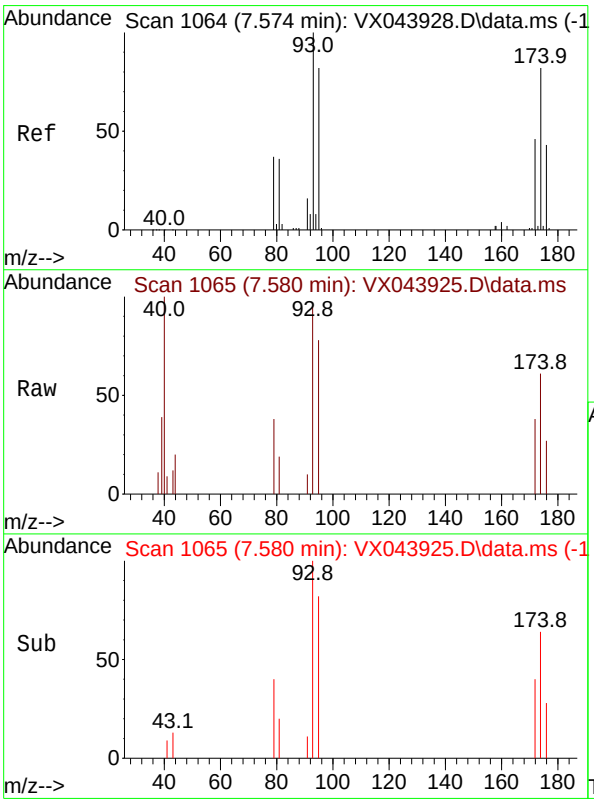

#45
1,2-Dichloropropane
Concen: 0.849 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 63 Resp: 1503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.5 | 23.8 | 35.6 |

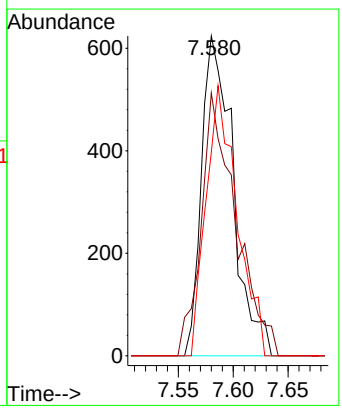


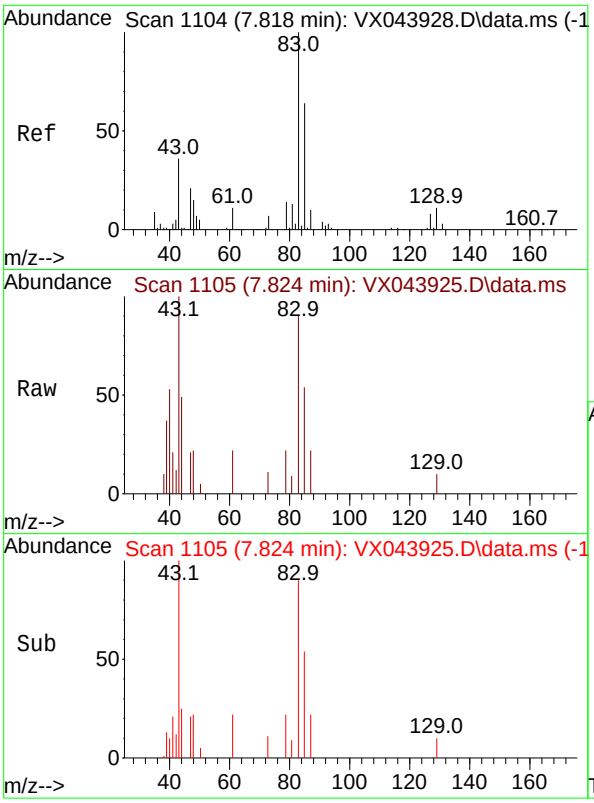




#46
Dibromomethane
Concen: 0.890 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 93 Resp: 1246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 90.4 | 66.2 | 99.4 |
| 174 | 83.1 | 69.6 | 104.4 |



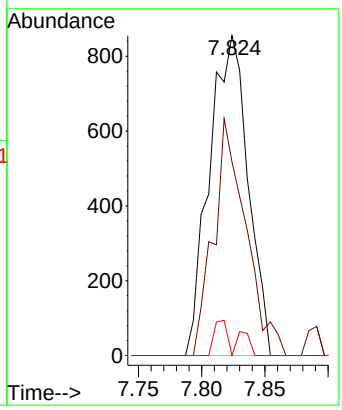


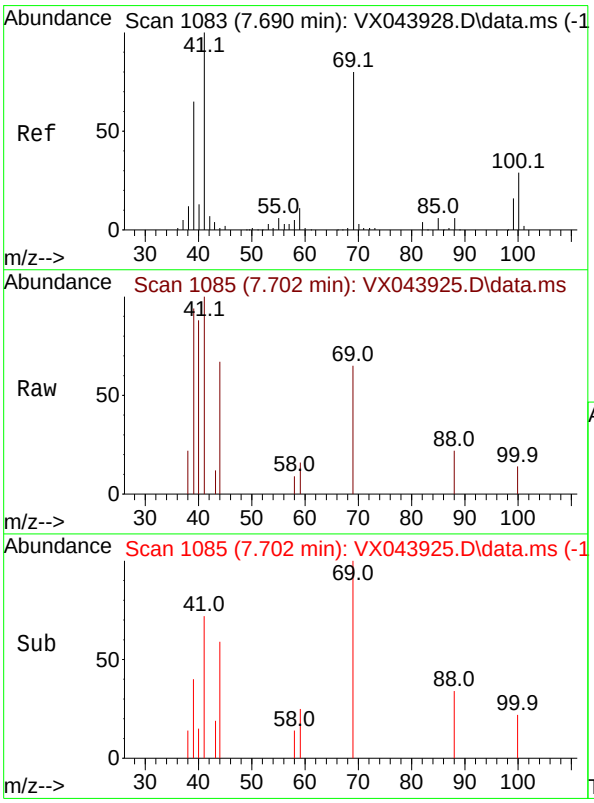

#47
Bromodichloromethane
Concen: 0.724 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 1819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.6 | 51.4 | 77.0 |
| 127 | 0.0 | 6.6 | 10.0# |

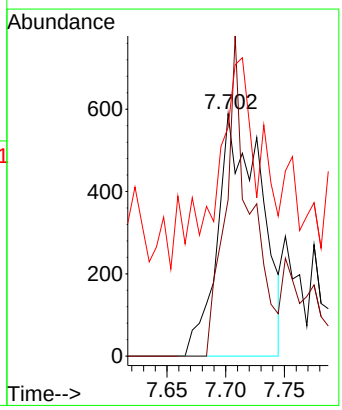


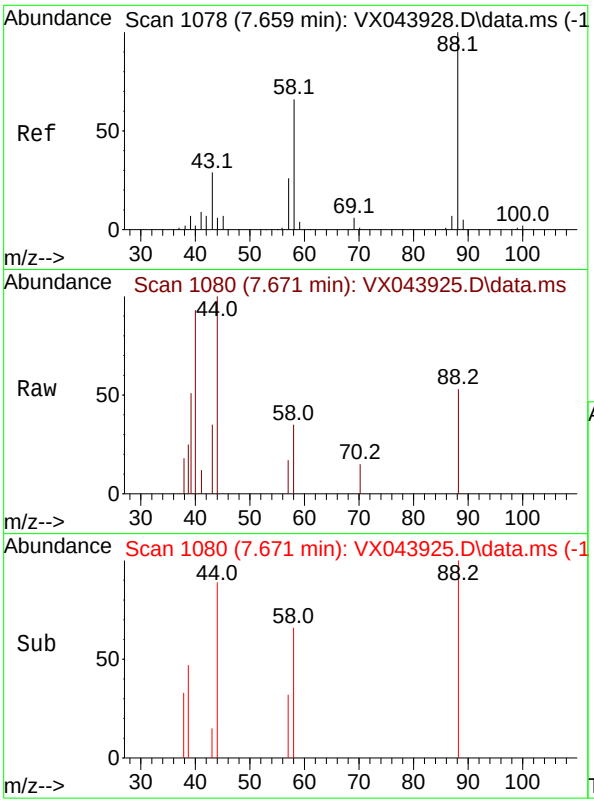




#48
Methyl methacrylate
Concen: 0.687 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.8 | 64.6 | 97.0 |
| 39 | 53.8 | 53.3 | 79.9 |



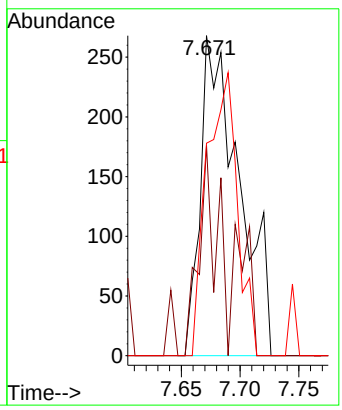


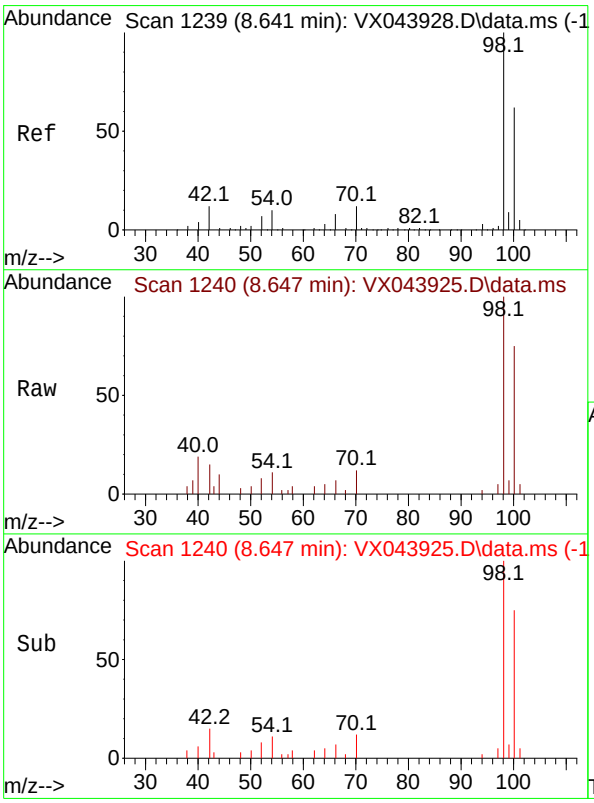

#49
1,4-Dioxane
Concen: 16.166 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 88 Resp: 613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 31.0 | 26.8 | 40.2 |
| 58 | 0.0 | 45.4 | 68.2# |

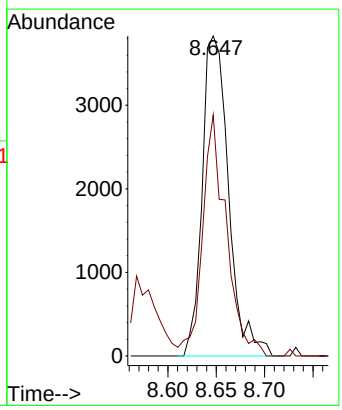


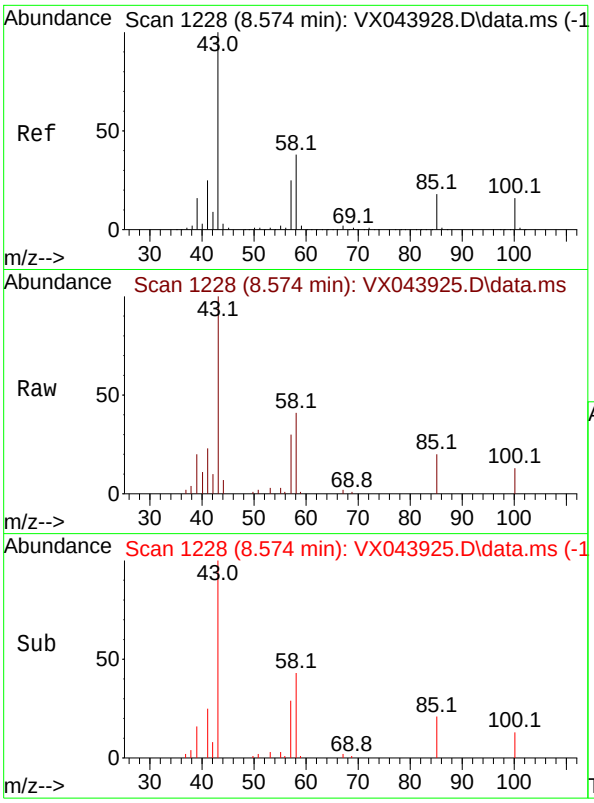




#50
Toluene-d8
Concen: 1.132 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 98 Resp: 7267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.5 | 52.6 | 79.0 |



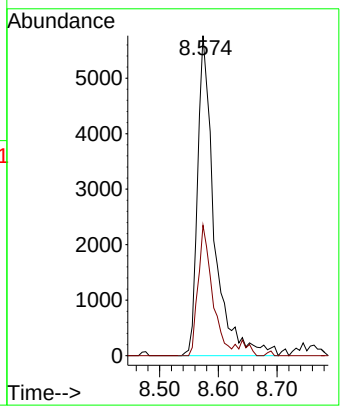


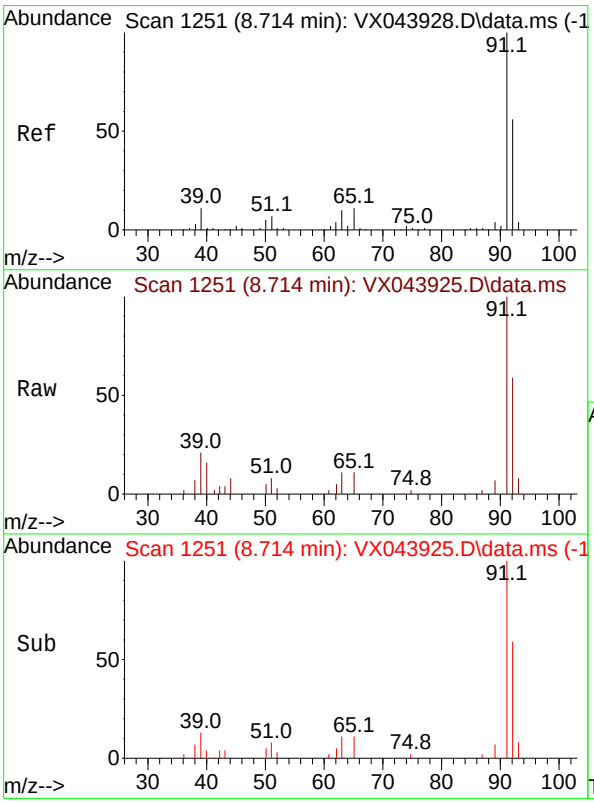

#51
4-Methyl-2-Pentanone
Concen: 4.073 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 11392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.9 | 30.0 | 45.0 |

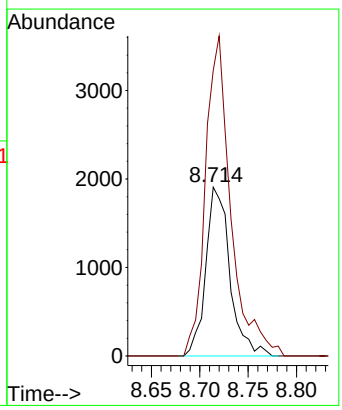


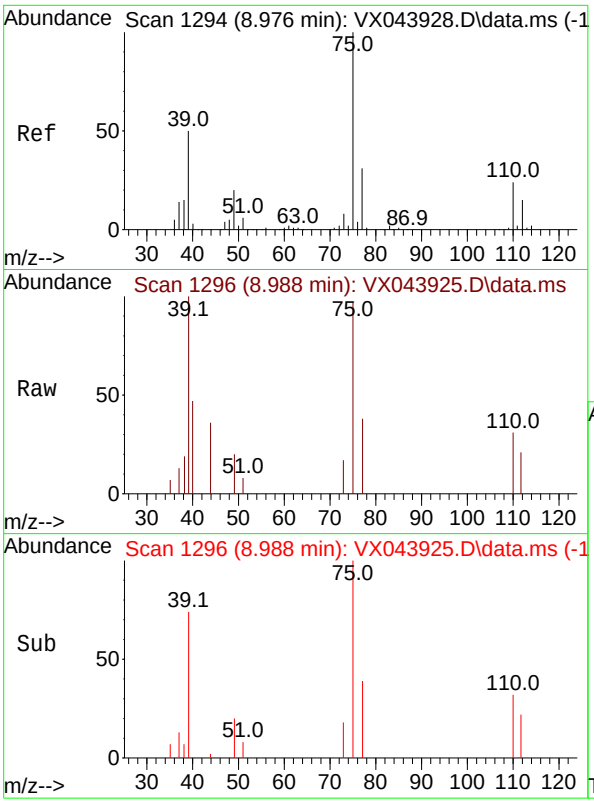




#52
Toluene
Concen: 0.766 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 199.1 | 139.7 | 209.5 |



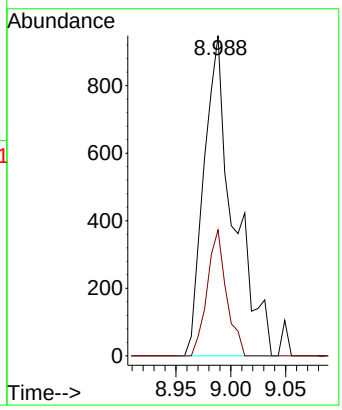


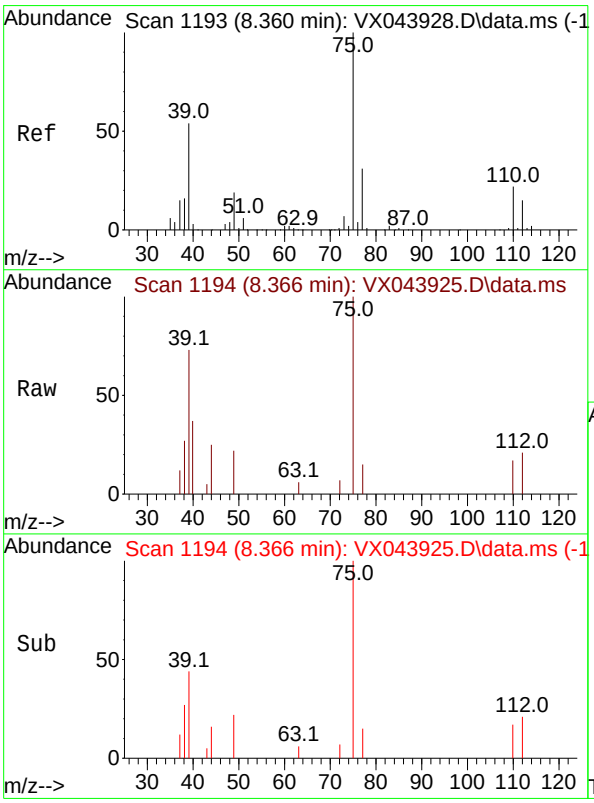

#53
t-1,3-Dichloropropene
Concen: 0.694 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 1776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.3 | 25.1 | 37.7# |

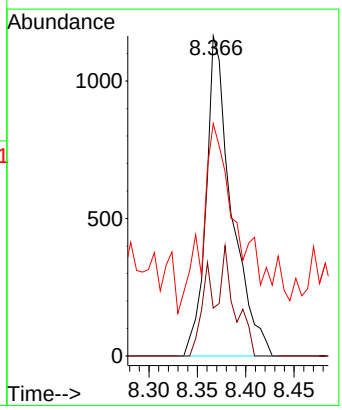


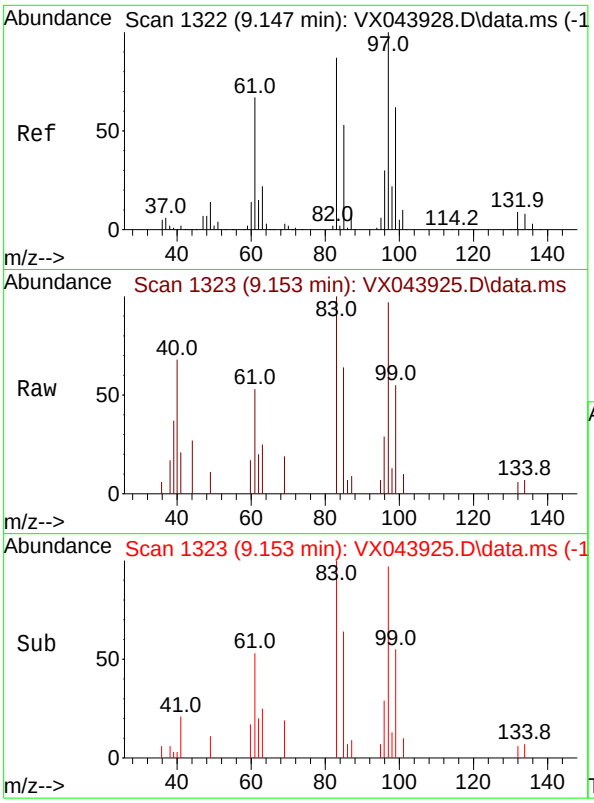




#54
cis-1,3-Dichloropropene
Concen: 0.759 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 14.9 | 25.2 | 37.8# |
| 39 | 59.3 | 43.1 | 64.7 |



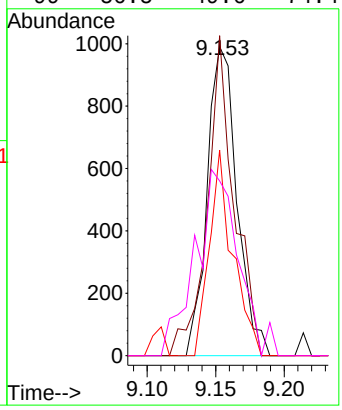


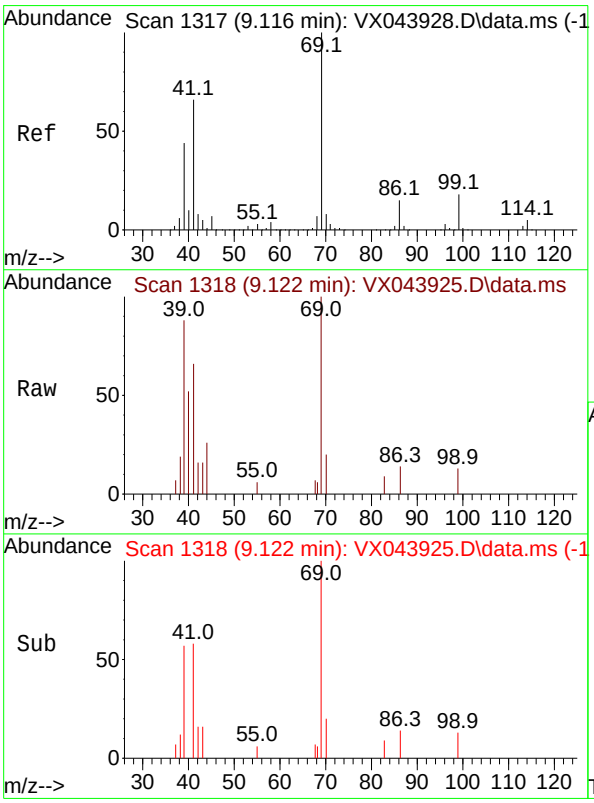

#55
1,1,2-Trichloroethane
Concen: 0.838 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 97 Resp: 1496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 103.5 | 69.4 | 104.0 |
| 85 | 66.5 | 42.3 | 63.5# |
| 99 | 56.5 | 49.6 | 74.4 |

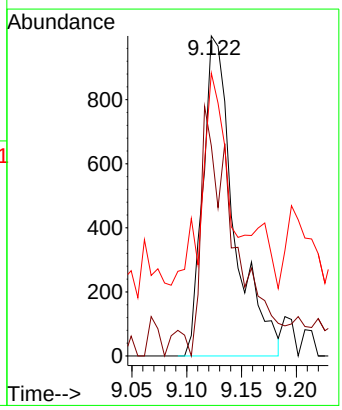


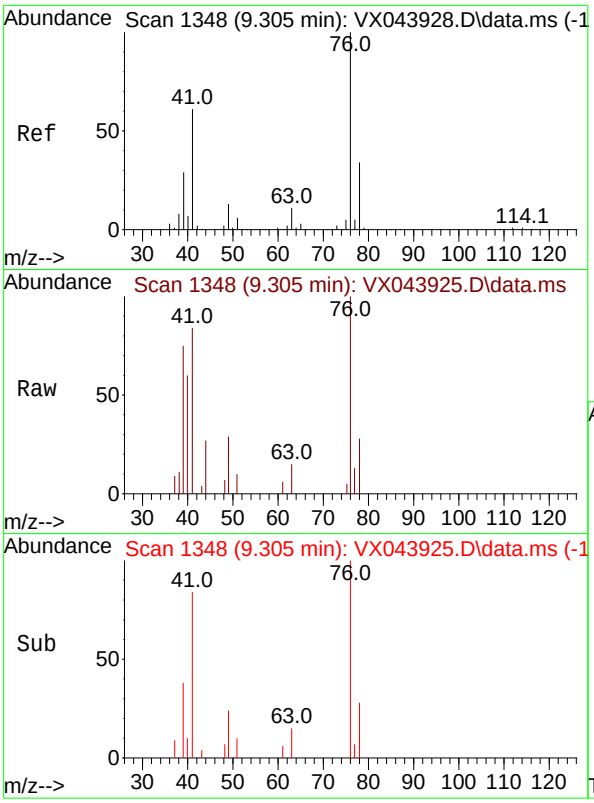




#56
Ethyl methacrylate
Concen: 0.709 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 69 Resp: 1973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 85.3 | 55.8 | 83.8# |
| 39 | 56.7 | 36.7 | 55.1# |



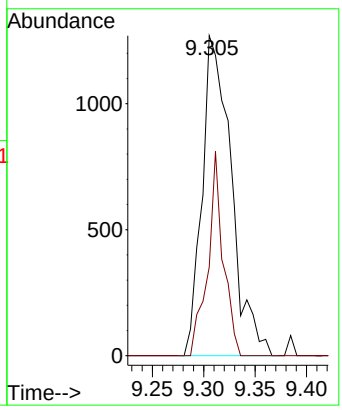


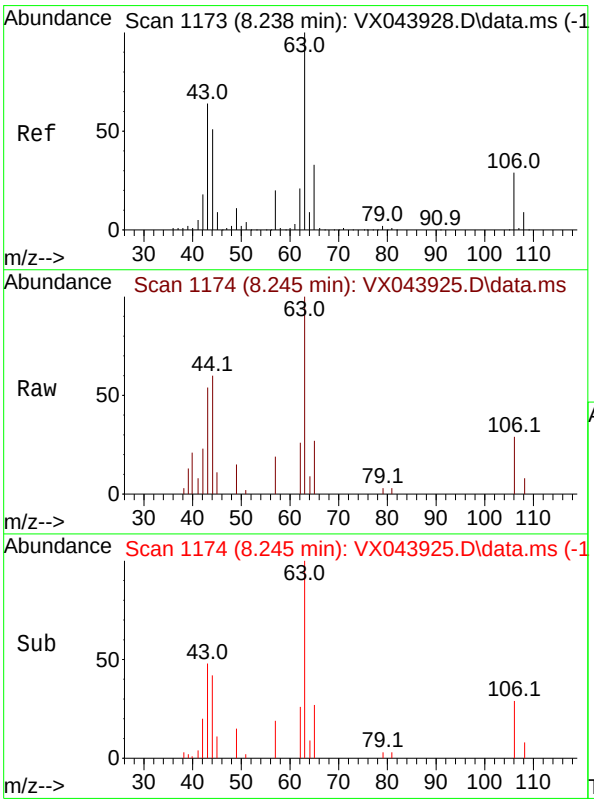

#57
1,3-Dichloropropane
Concen: 0.832 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 76 Resp: 2502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.6 | 26.0 | 39.0 |

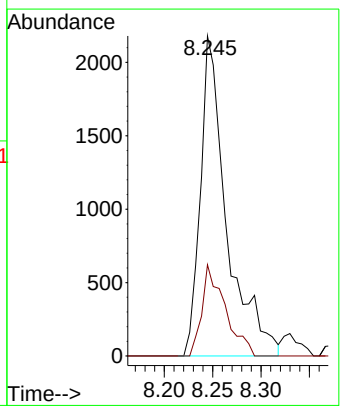


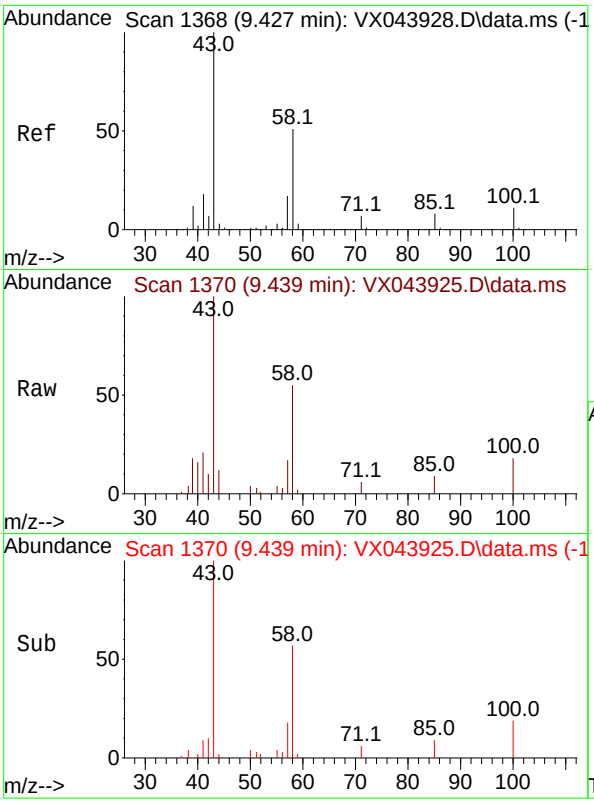




#58
2-Chloroethyl Vinyl ether
Concen: 2.662 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 25.2 | 23.0 | 34.6 |



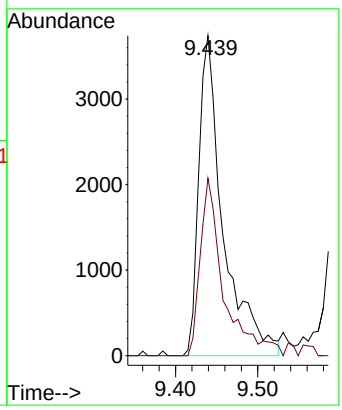


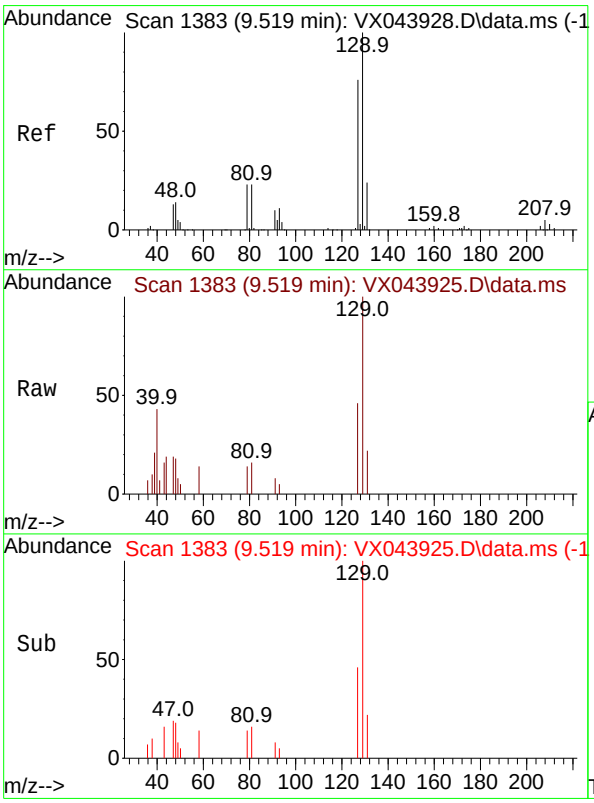

#59
2-Hexanone
Concen: 3.675 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 43 Resp: 7726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 25.9 | 77.6 |

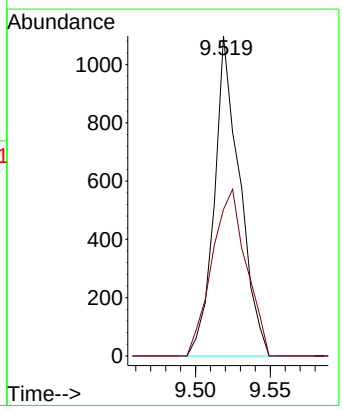


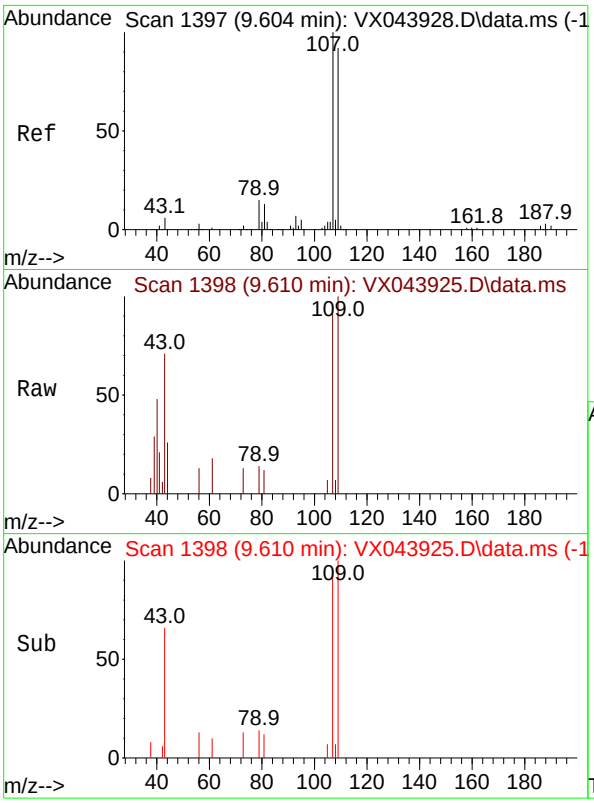




#60
Dibromochloromethane
Concen: 0.723 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:129 Resp: 1296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 70.6 | 38.2 | 114.6 |



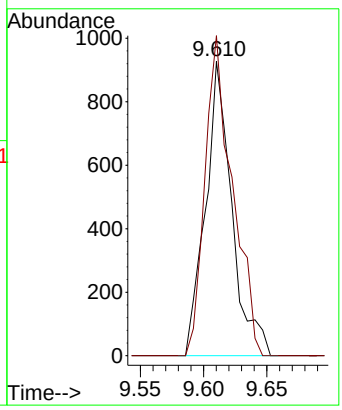


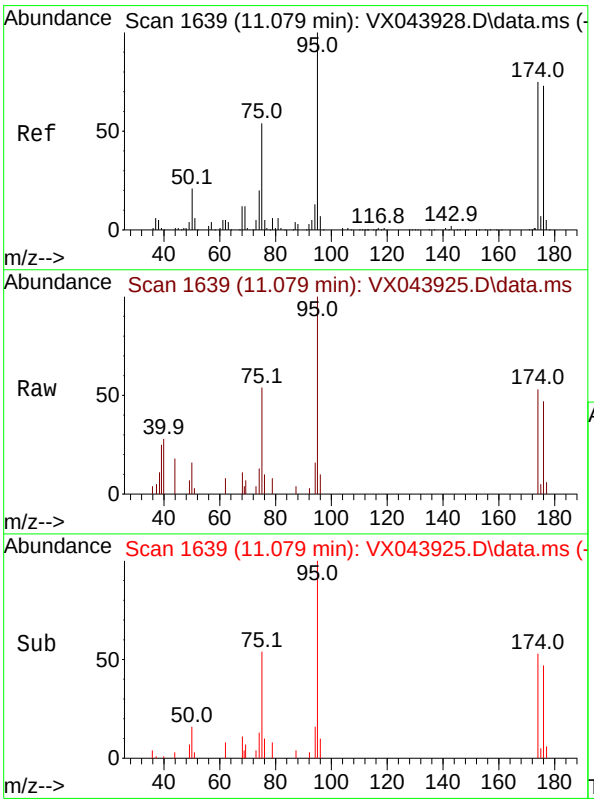

#61
1,2-Dibromoethane
Concen: 0.743 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:107 Resp: 1342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 113.3 | 75.2 | 112.8# |

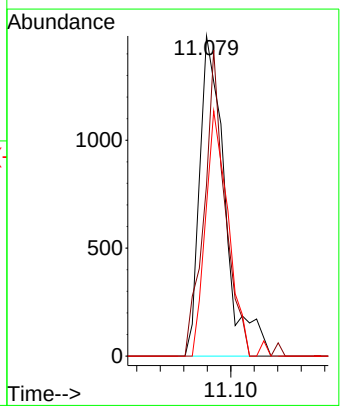


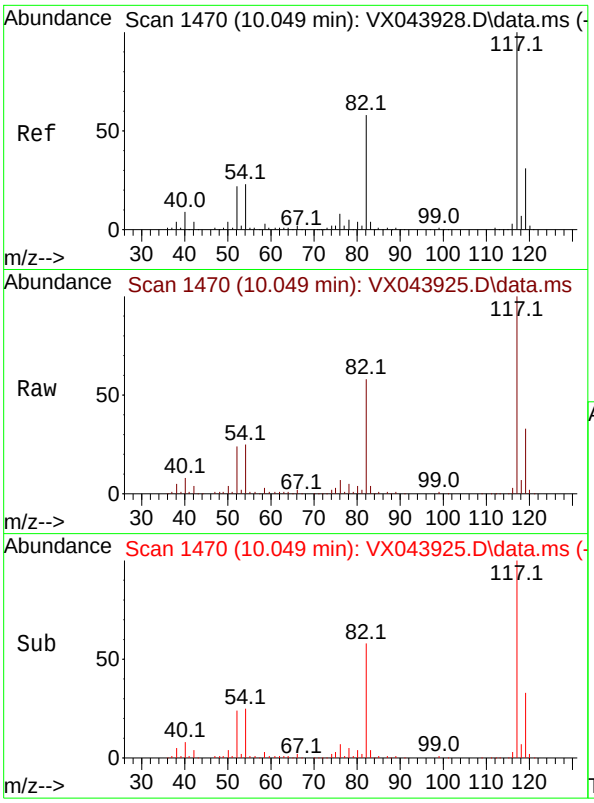




#62
4-Bromofluorobenzene
Concen: 1.015 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 78.8 | 0.0 | 150.4 |
| 176 | 68.4 | 0.0 | 146.0 |



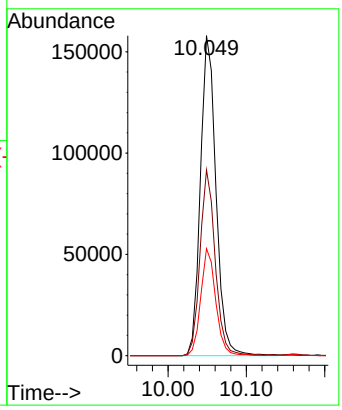


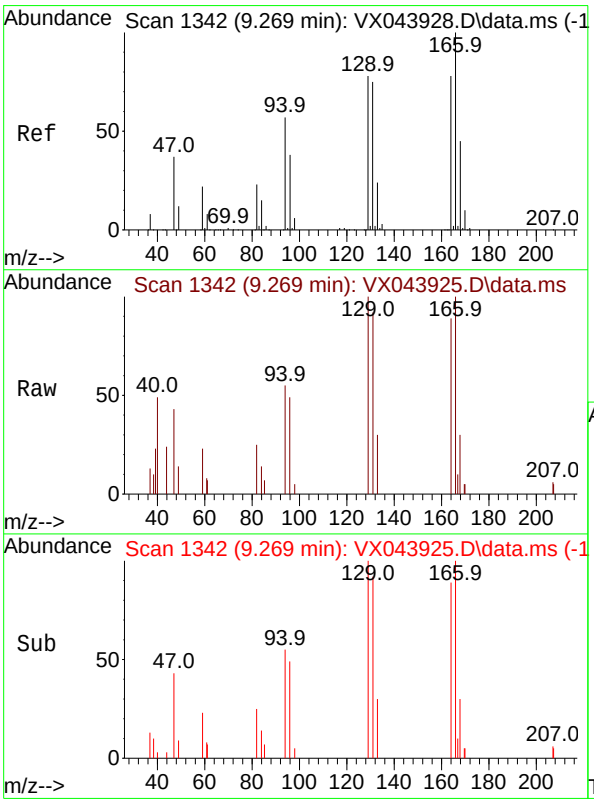

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:117 Resp: 218244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 46.4 | 69.6 |
| 119 | 33.5 | 24.6 | 37.0 |

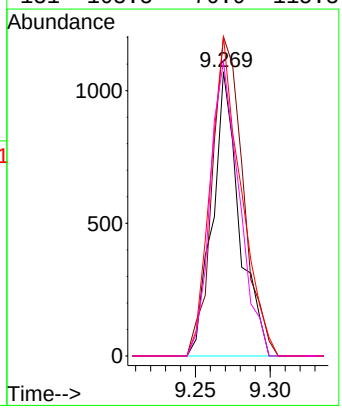


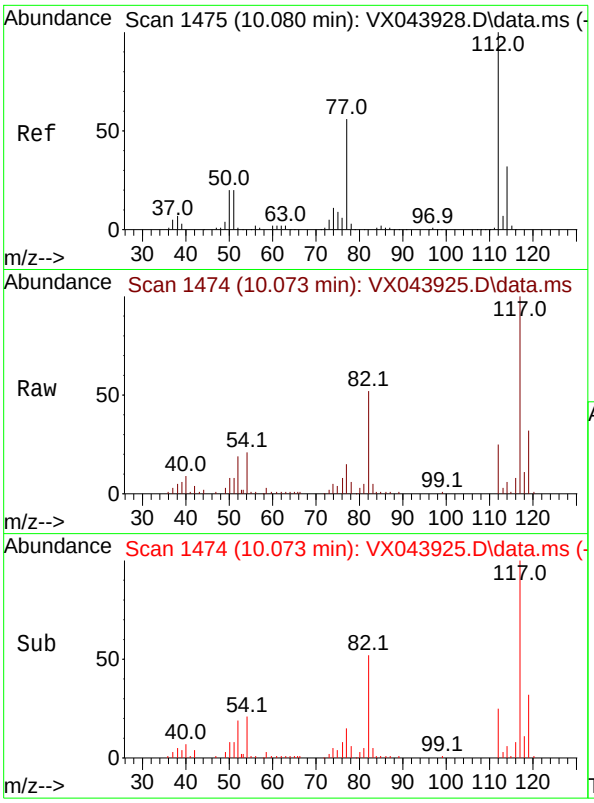




#64
Tetrachloroethene
Concen: 0.924 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 112.3 | 102.1 | 153.1 |
| 129 | 112.6 | 79.6 | 119.4 |
| 131 | 103.5 | 76.9 | 115.3 |



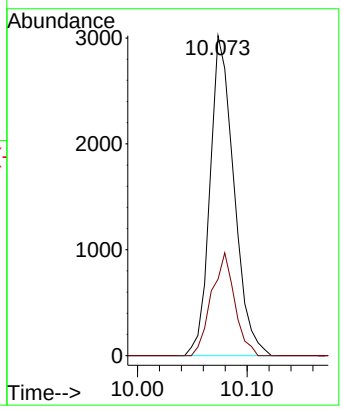


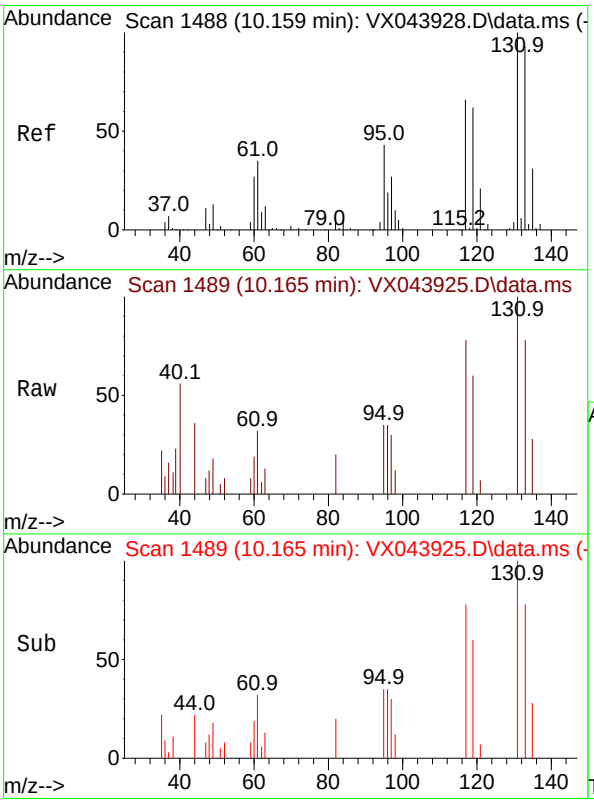

#65
Chlorobenzene
Concen: 0.957 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:112 Resp: 4585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 23.9 | 25.4 | 38.0# |

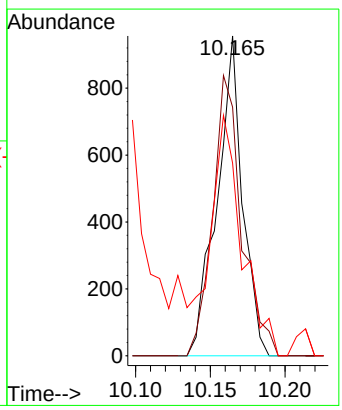


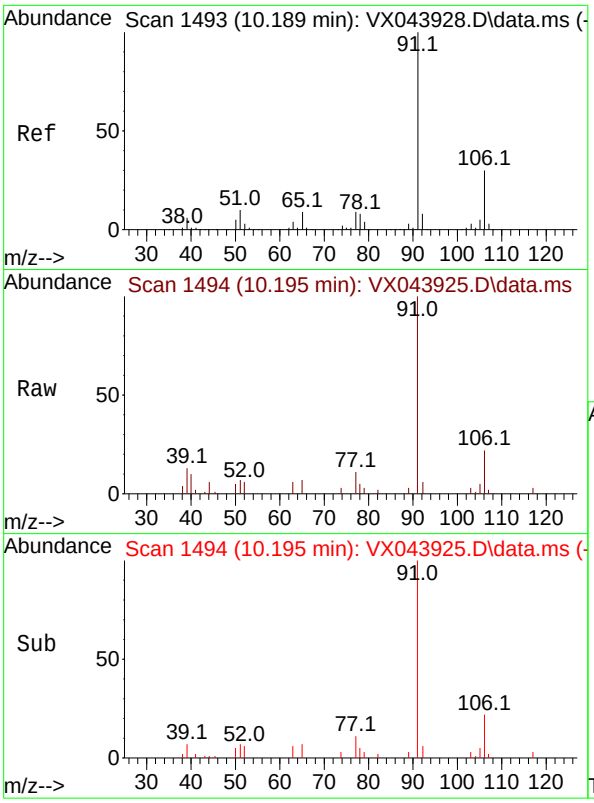




#66
1,1,1,2-Tetrachloroethane
Concen: 0.731 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:131 Resp: 1136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 100.0 | 48.2 | 144.6 |
| 119 | 0.0 | 31.5 | 94.5# |



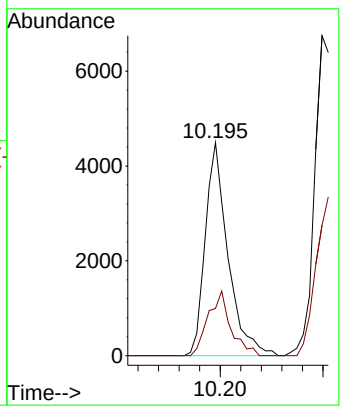


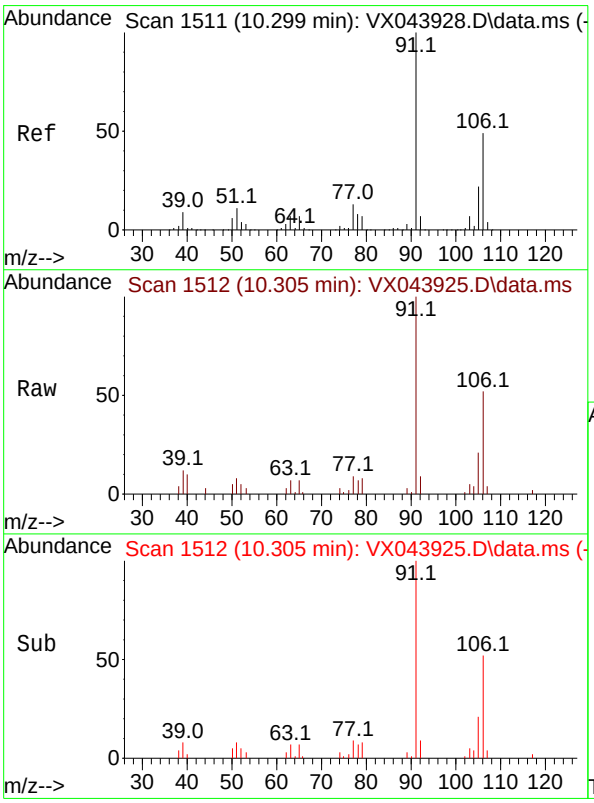

#67
Ethyl Benzene
Concen: 0.848 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 6890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 22.2 | 23.6 | 35.4# |

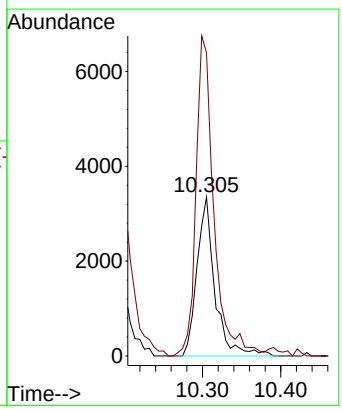


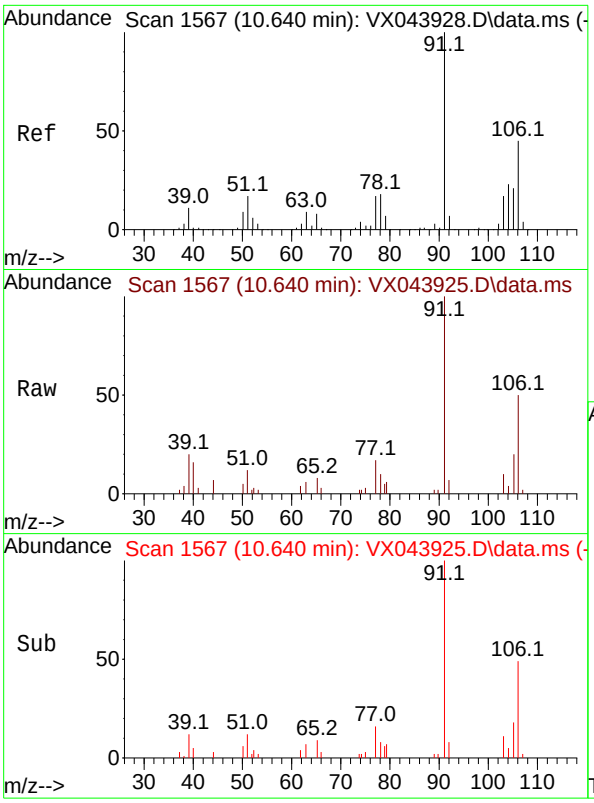




#68
m/p-Xylenes
Concen: 1.758 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:106 Resp: 5324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 201.7 | 168.1 | 252.1 |



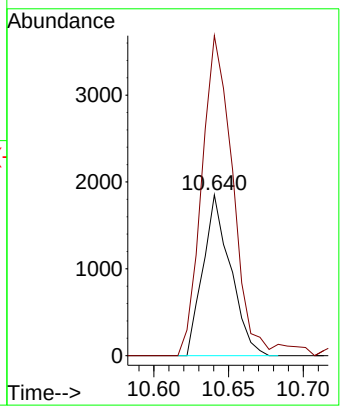


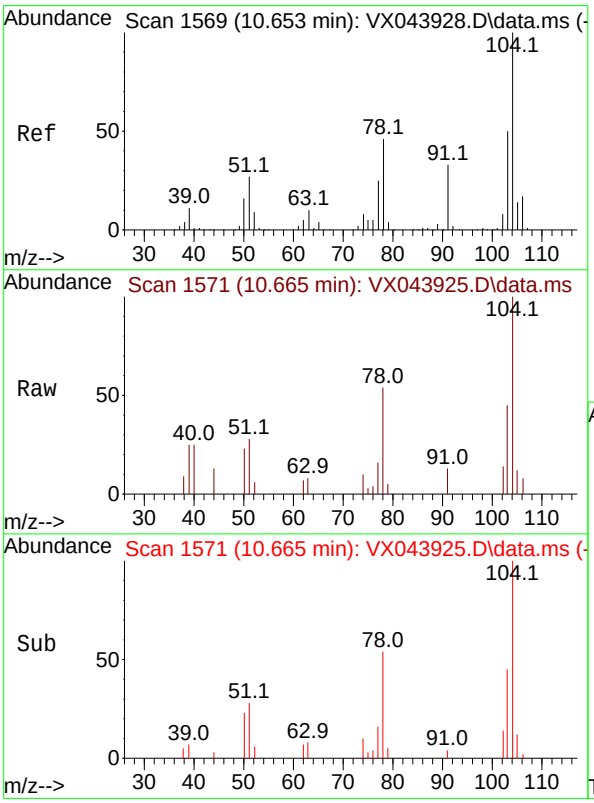

#69
o-Xylene
Concen: 0.801 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:106 Resp: 2370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 228.1 | 110.2 | 330.6 |

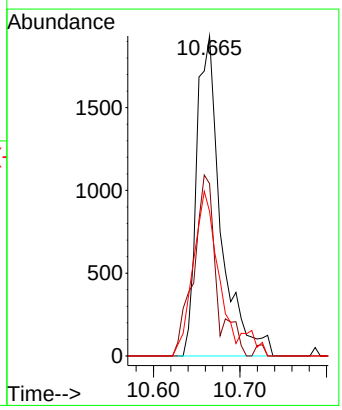


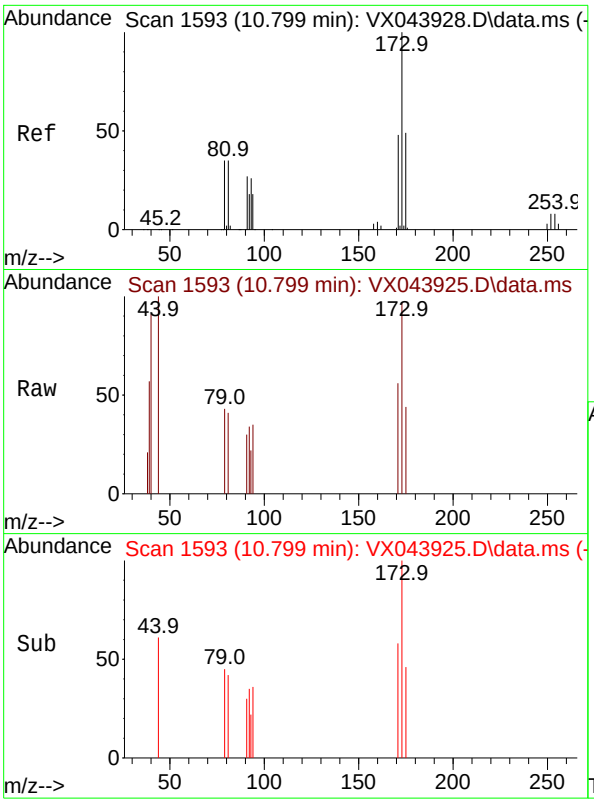




#70
Styrene
Concen: 0.767 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:104 Resp: 3751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.0 | 42.2 | 63.2 |
| 103 | 52.8 | 44.7 | 67.1 |



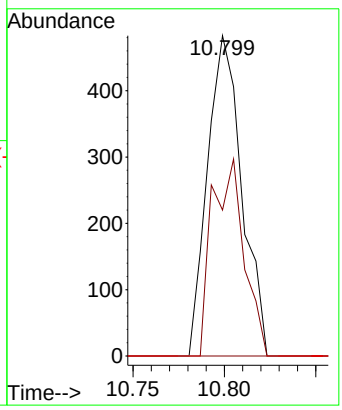


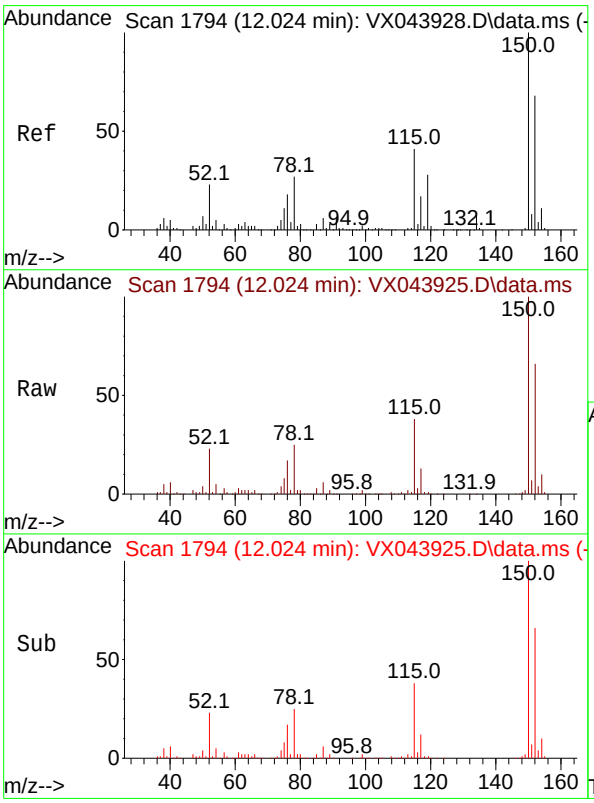

#71
Bromoform
Concen: 1.756 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:173 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 57.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

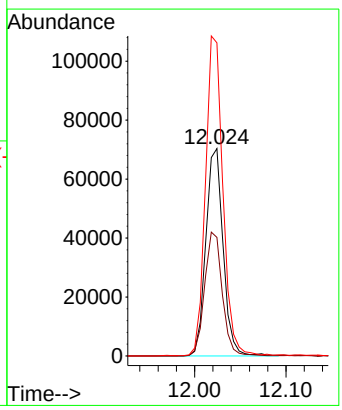


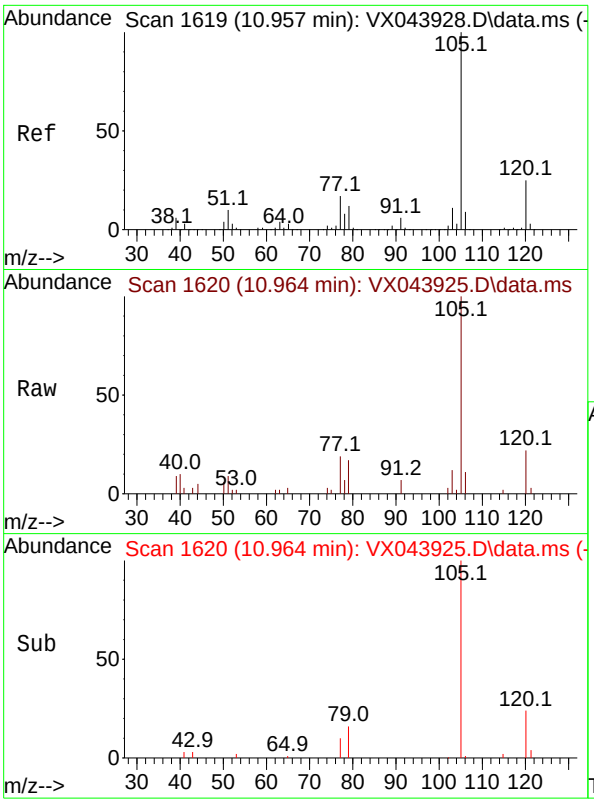




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:152 Resp: 92854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.8 | 45.4 | 136.2 |
| 150 | 154.3 | 0.0 | 353.0 |



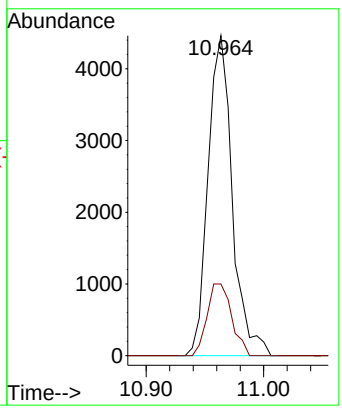


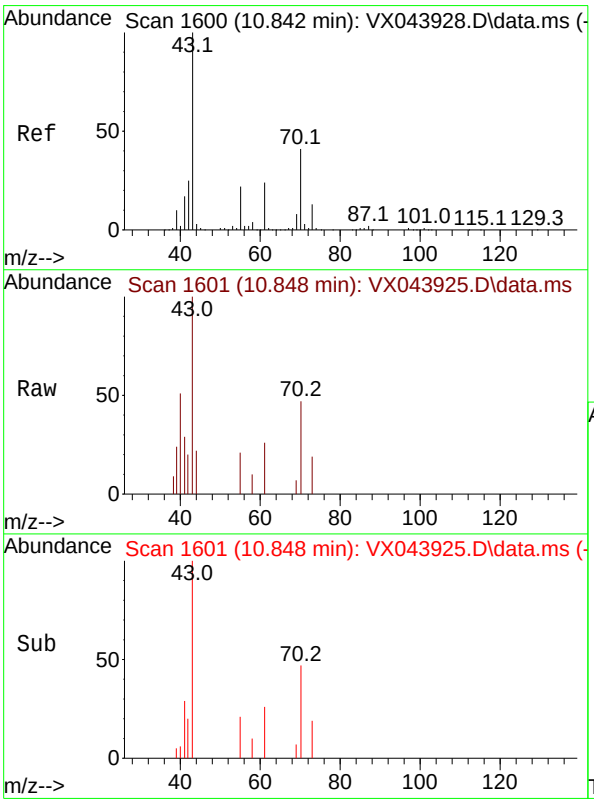

#73
Isopropylbenzene
Concen: 0.894 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 6379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 22.8 | 13.0 | 38.9 |

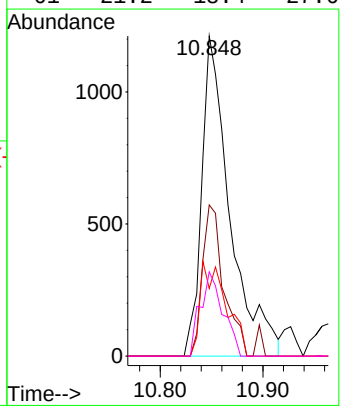


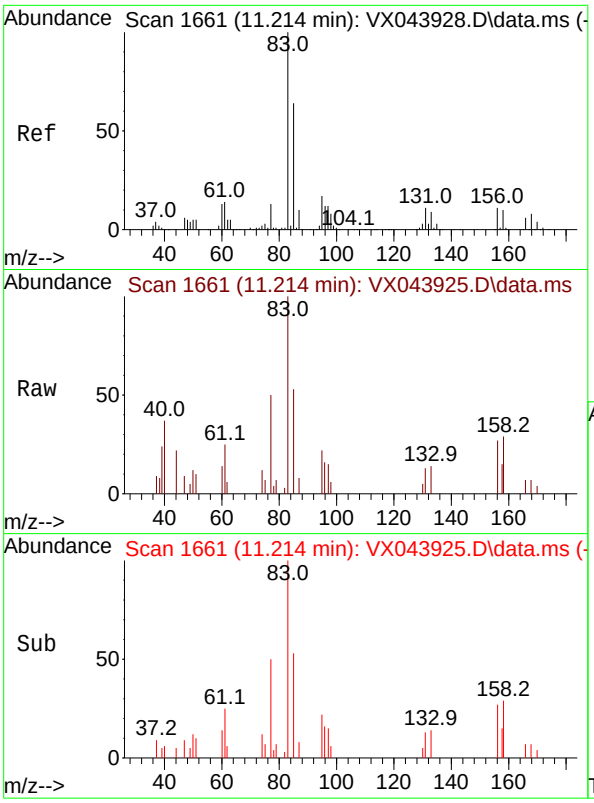




#74
N-amyl acetate
Concen: 0.701 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 35.9 | 32.2 | 48.2 |
| 55 | 26.8 | 18.1 | 27.1 |
| 61 | 21.2 | 18.4 | 27.6 |



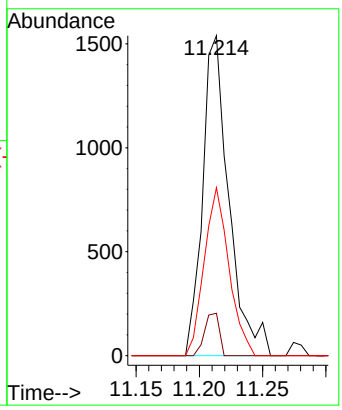


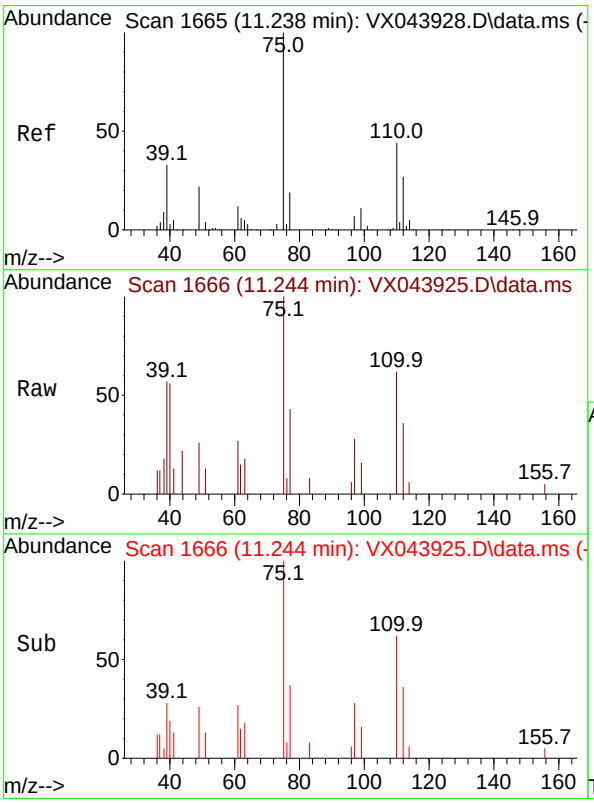

#75
1,1,2,2-Tetrachloroethane
Concen: 0.910 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 83 Resp: 2224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 7.5 | 5.1 | 15.2 |
| 85 | 49.5 | 32.2 | 96.6 |

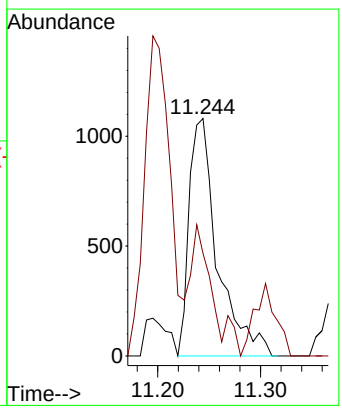


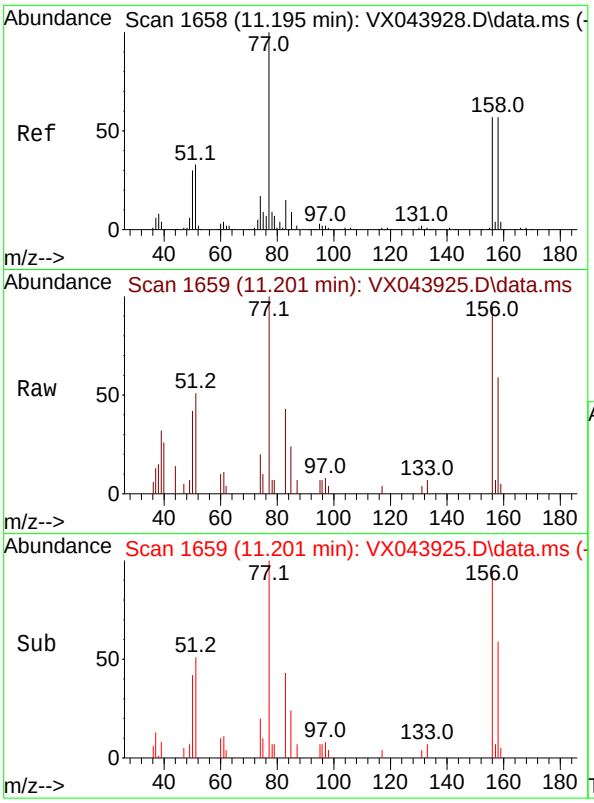




#76
1,2,3-Trichloropropane
Concen: 1.037 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 2077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.9 | 21.8 | 65.3 |



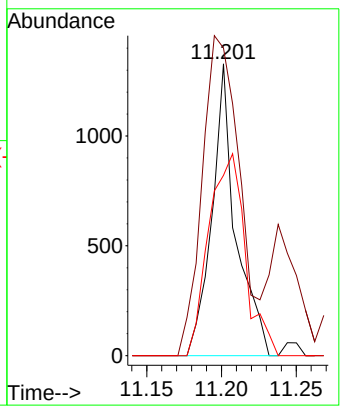


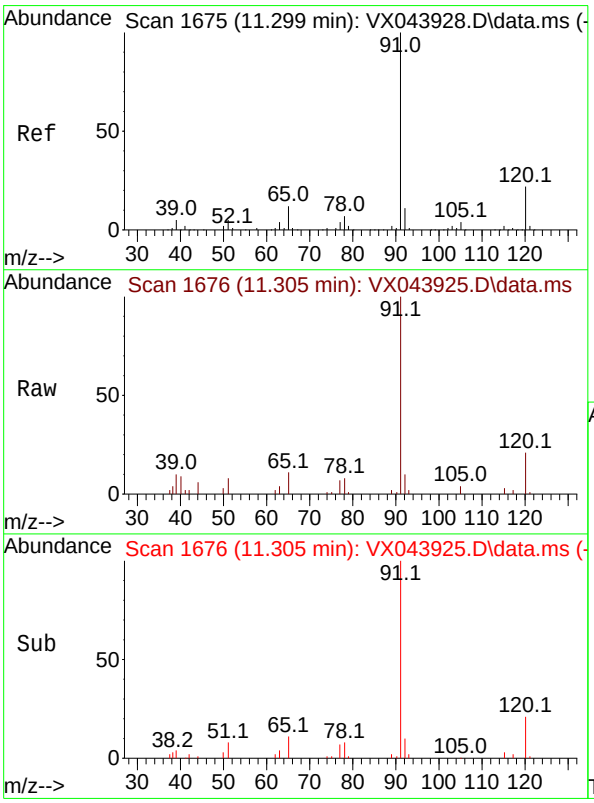

#77
Bromobenzene
Concen: 0.866 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:156 Resp: 1475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.7 | 83.4 | 250.1 |
| 158 | 105.1 | 47.6 | 142.8 |

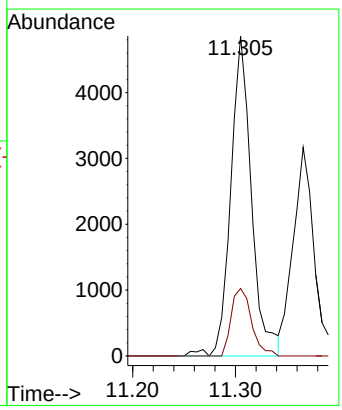


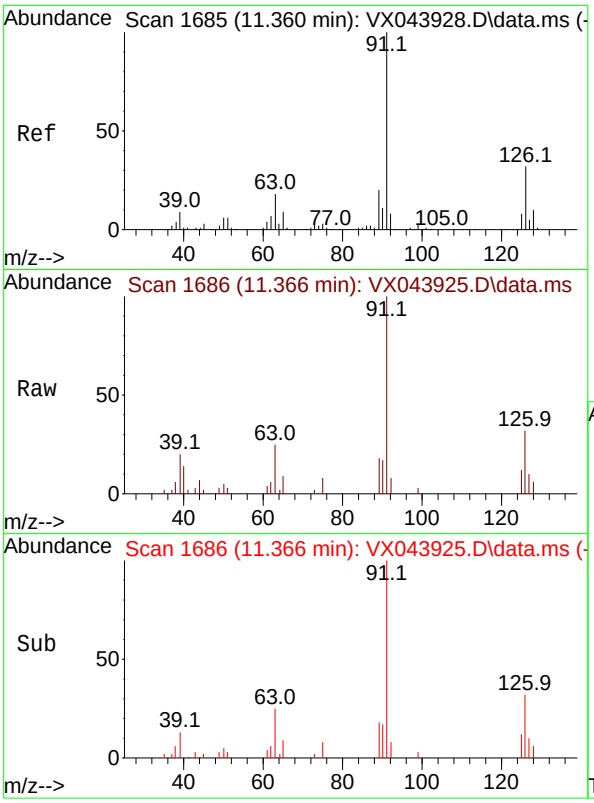




#78
n-propylbenzene
Concen: 0.854 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 6810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 20.6 | 11.5 | 34.4 |



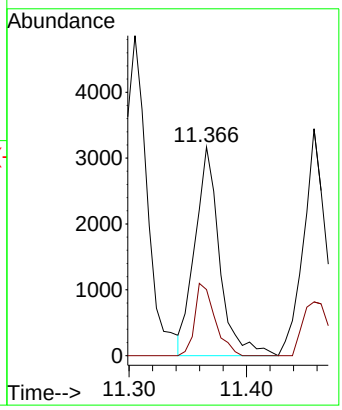


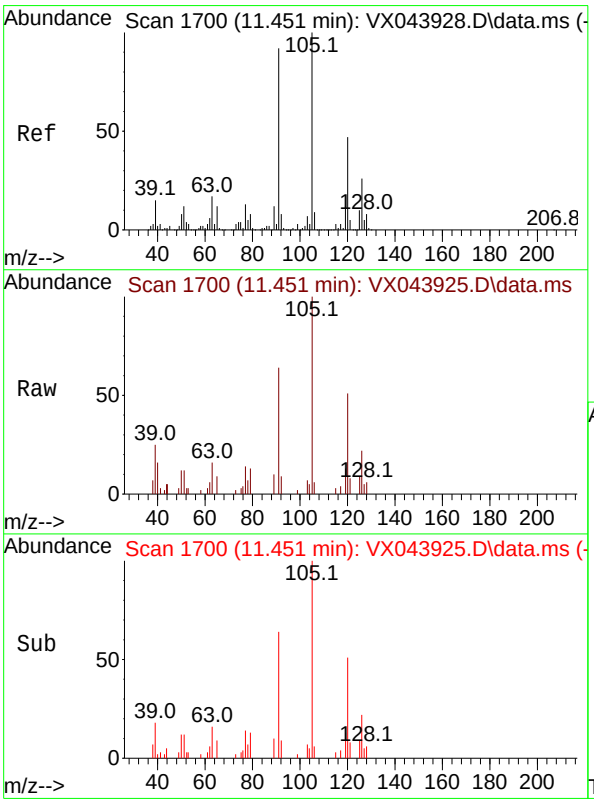

#79
2-Chlorotoluene
Concen: 0.916 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 4618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 16.6 | 49.8 |

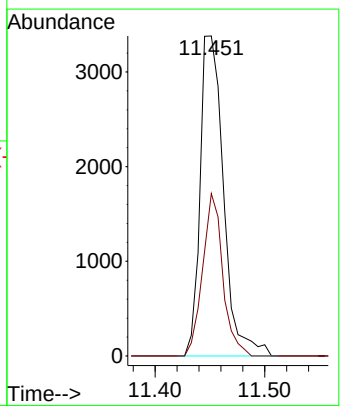


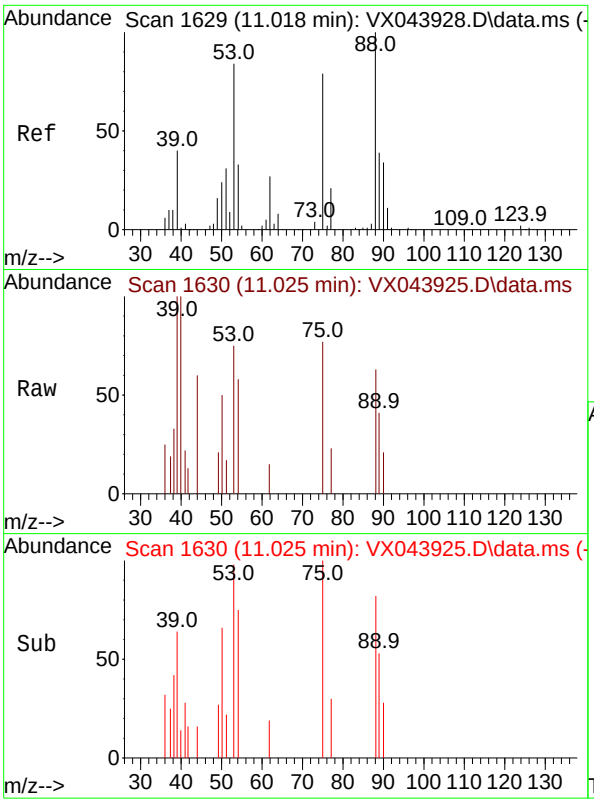




#80
1,3,5-Trimethylbenzene
Concen: 0.855 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 5022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 23.3 | 69.8 |



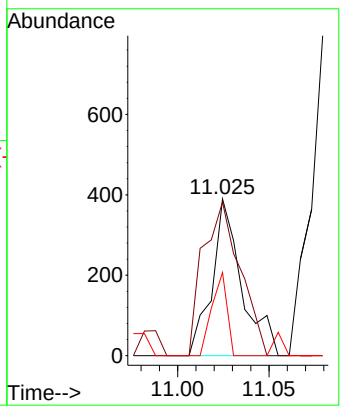


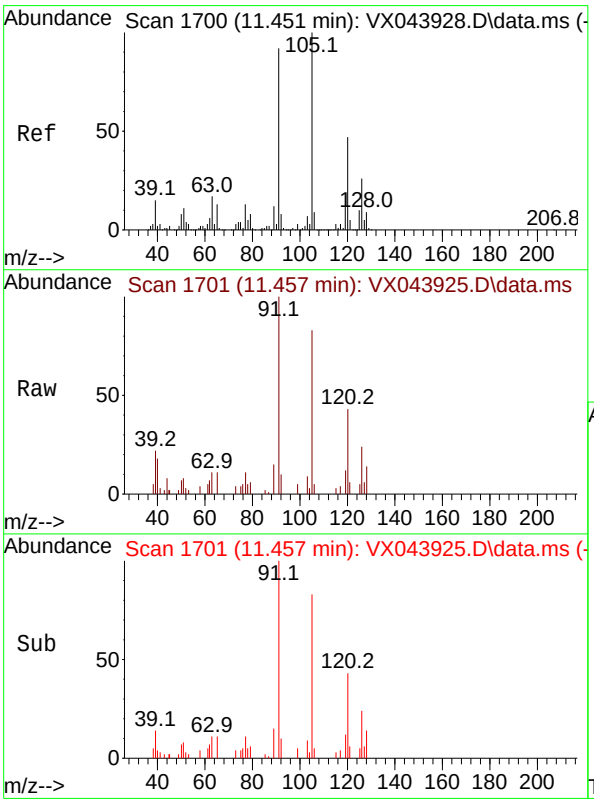

#81
trans-1,4-Dichloro-2-butene
Concen: 0.592 ug/l
RT: 11.025 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 75 Resp: 442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 122.4 | 86.7 | 130.1 |
| 89 | 26.9 | 38.2 | 57.2# |

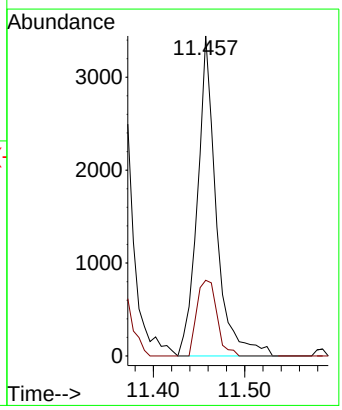


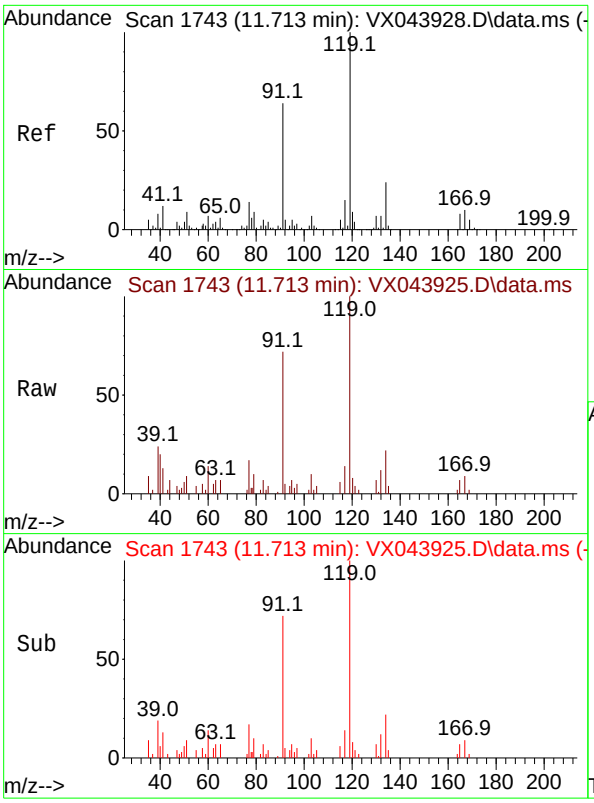




#82
4-Chlorotoluene
Concen: 0.868 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 25.2 | 14.3 | 42.9 |



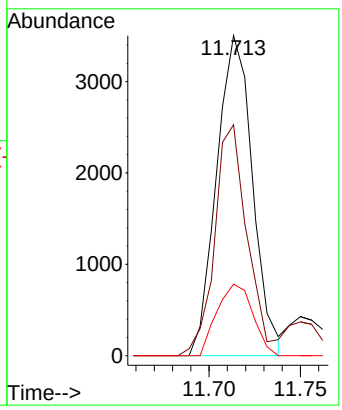


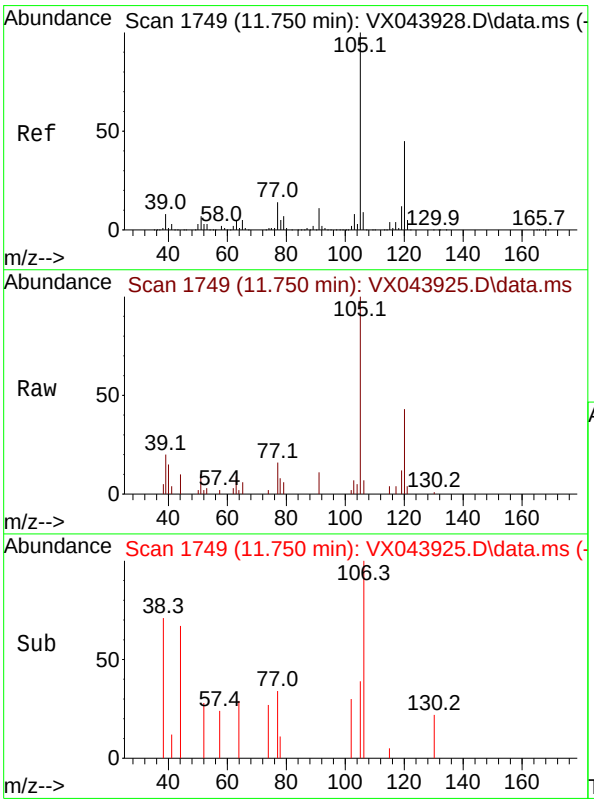

#83
tert-Butylbenzene
Concen: 0.824 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:119 Resp: 4794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 65.8 | 31.0 | 93.0 |
| 134 | 22.3 | 11.6 | 34.8 |

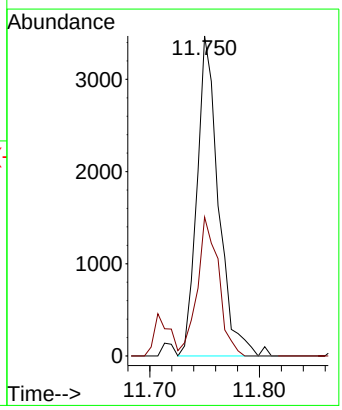


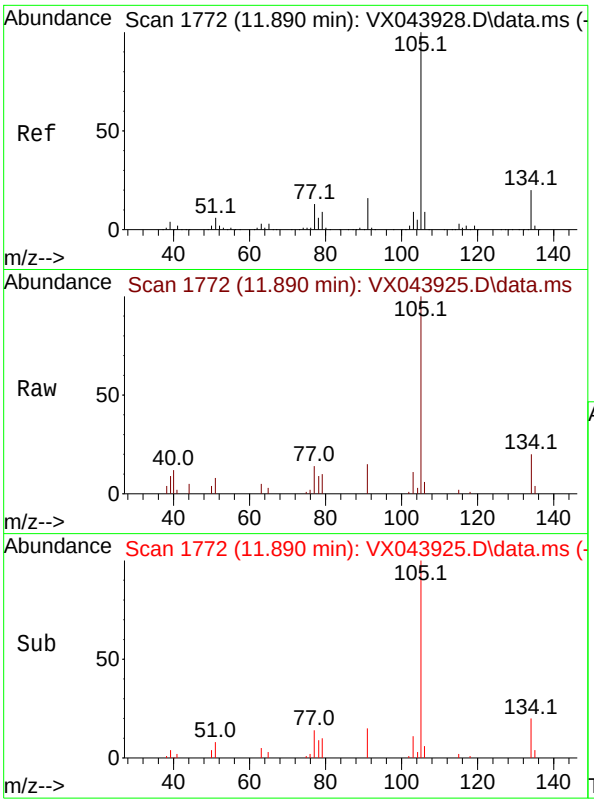




#84
1,2,4-Trimethylbenzene
Concen: 0.812 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:105 Resp: 4748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 21.9 | 65.7 |



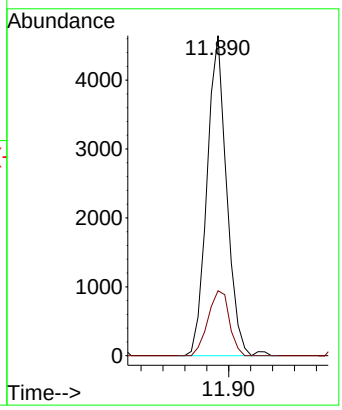


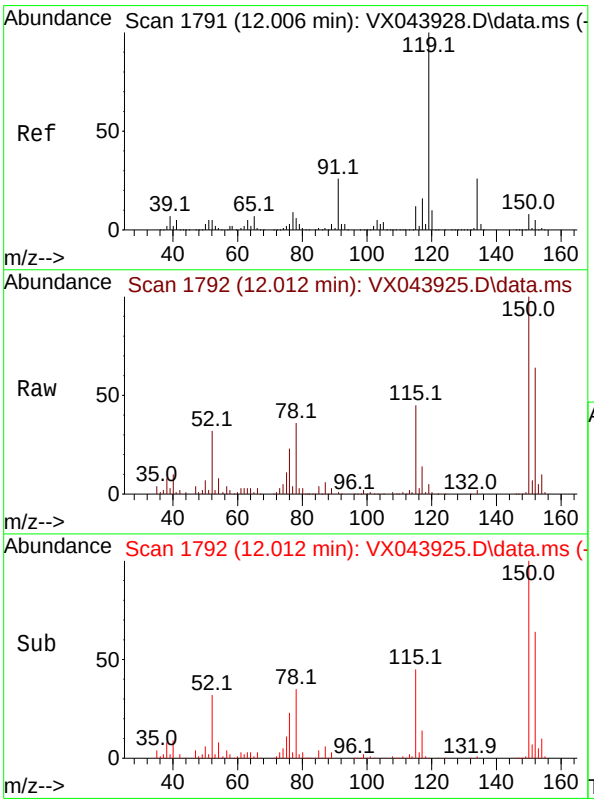

#85
sec-Butylbenzene
Concen: 0.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:105 Resp: 5787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 22.0 | 9.7 | 29.1 |

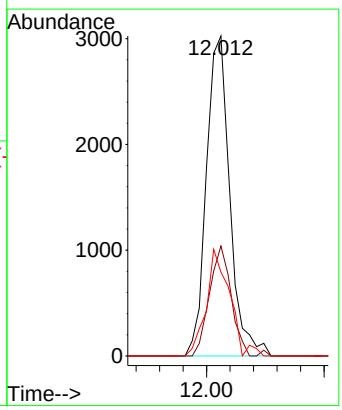


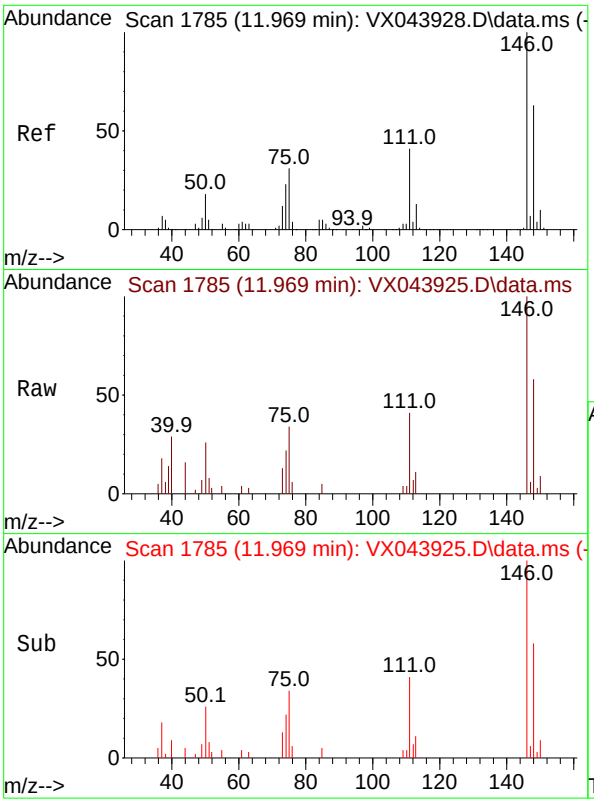




#86
p-Isopropyltoluene
Concen: 0.723 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 31.8 | 13.0 | 38.9 |
| 91 | 33.2 | 13.0 | 38.9 |



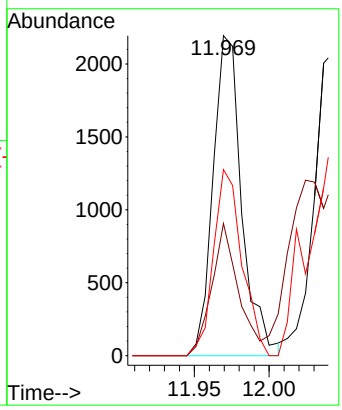


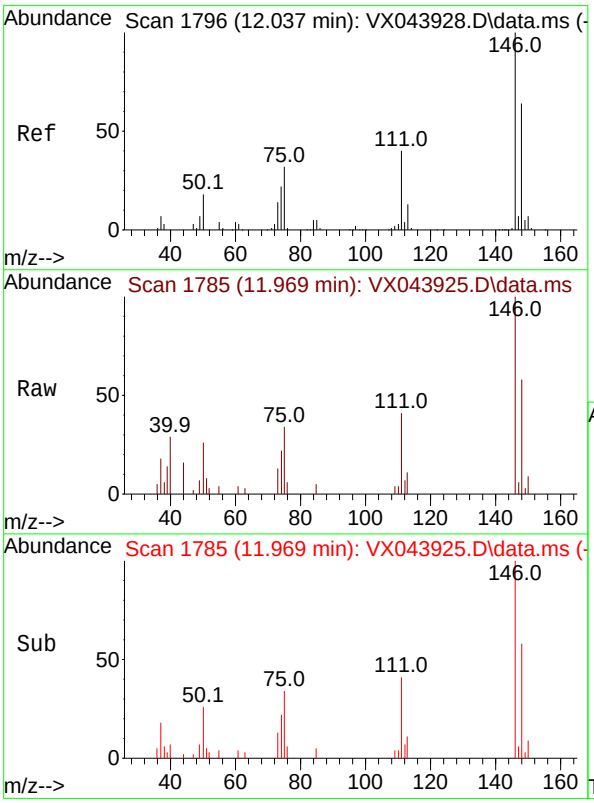

#87
1,3-Dichlorobenzene
Concen: 0.946 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 2934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.3 | 21.1 | 63.3 |
| 148 | 57.6 | 31.7 | 95.1 |

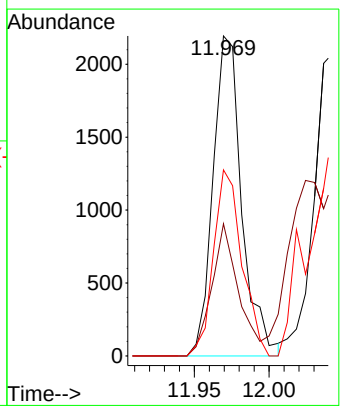


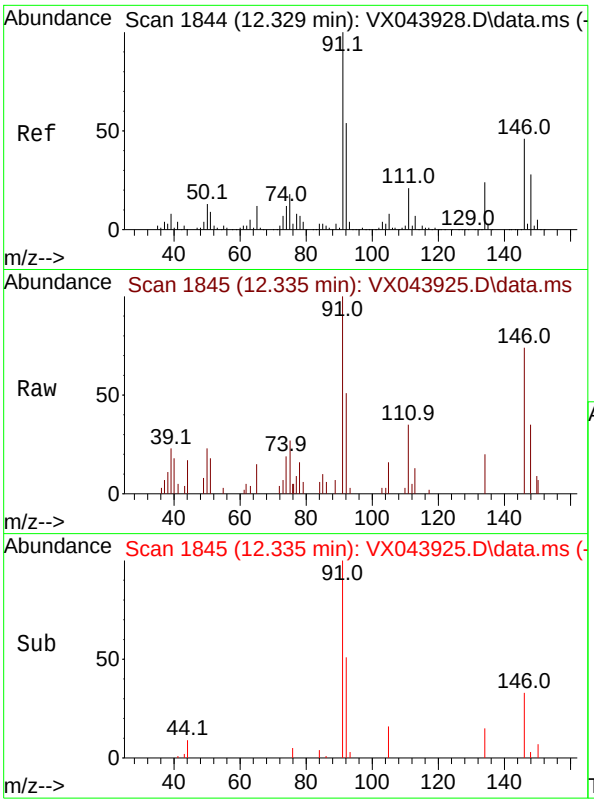




#88
1,4-Dichlorobenzene
Concen: 0.932 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:146 Resp: 2934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 38.3 | 20.1 | 60.3 |
| 148 | 57.6 | 30.9 | 92.8 |



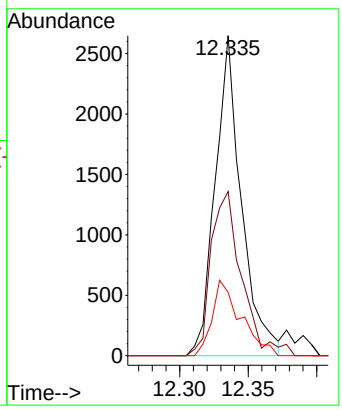


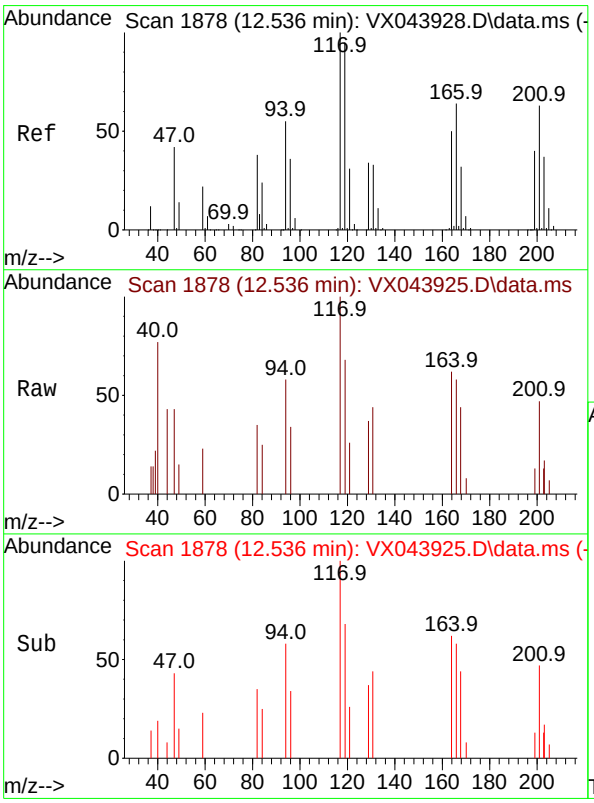

#89
n-Butylbenzene
Concen: 0.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion: 91 Resp: 3522

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 59.8 | 26.6 | 79.8 |
| 134 | 25.8 | 12.4 | 37.2 |

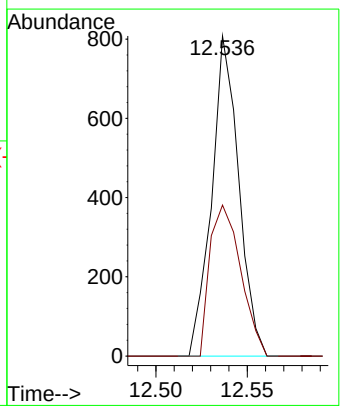


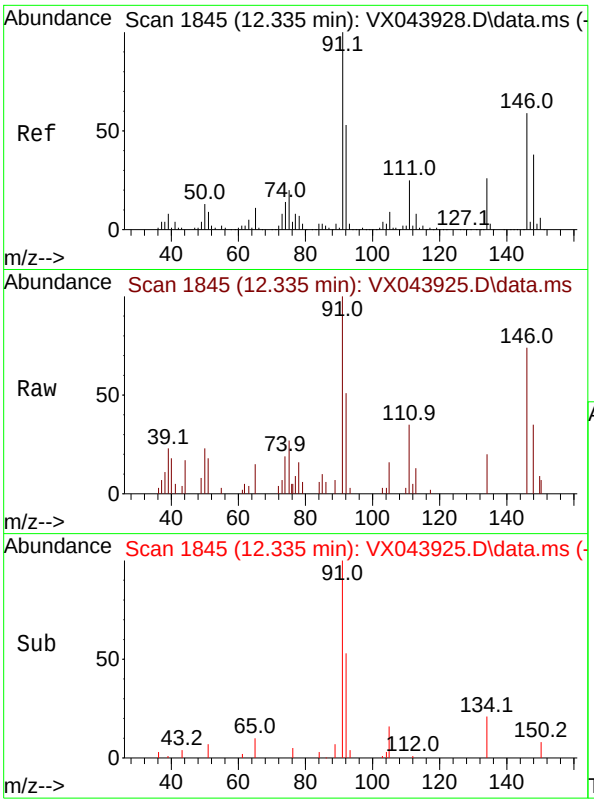




#90
Hexachloroethane
Concen: 0.848 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 53.7 | 32.4 | 97.0 |



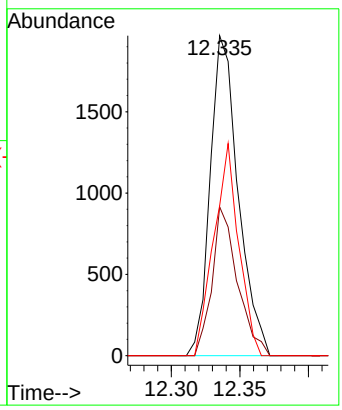


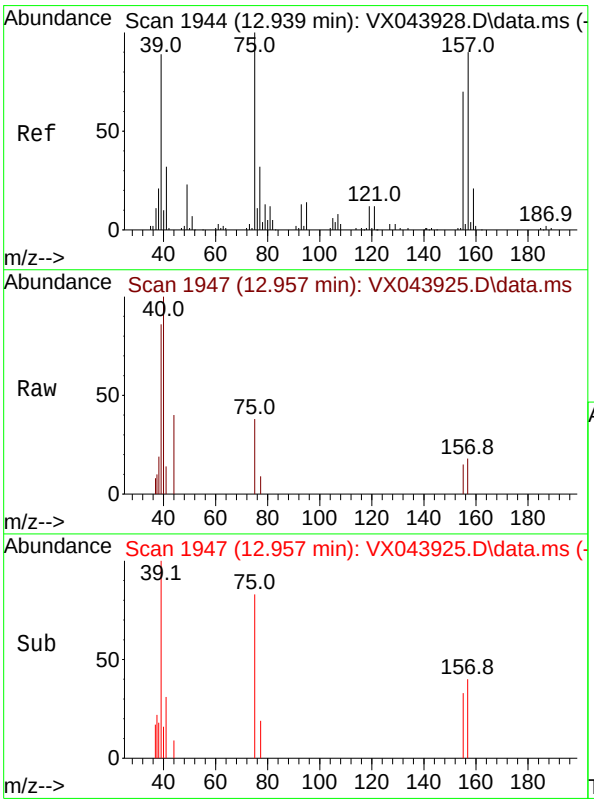

#91
1,2-Dichlorobenzene
Concen: 0.893 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:146 Resp: 2796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 58.8 | 31.9 | 95.5 |

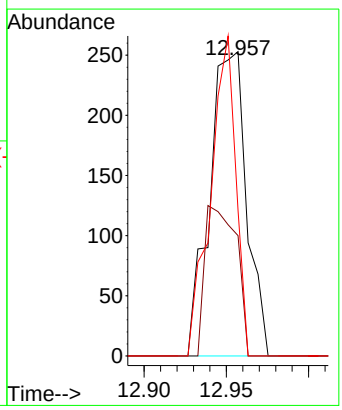


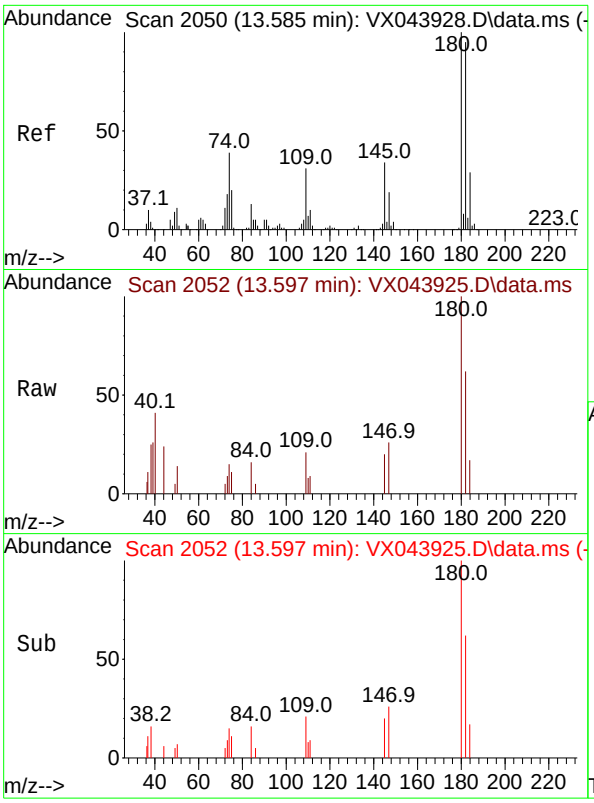




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.807 ug/l
RT: 12.957 min Scan# 1947
Delta R.T. 0.018 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 42.0 | 40.1 | 120.2 |
| 157 | 71.6 | 49.6 | 149.0 |



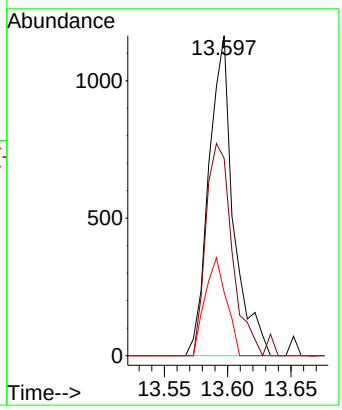


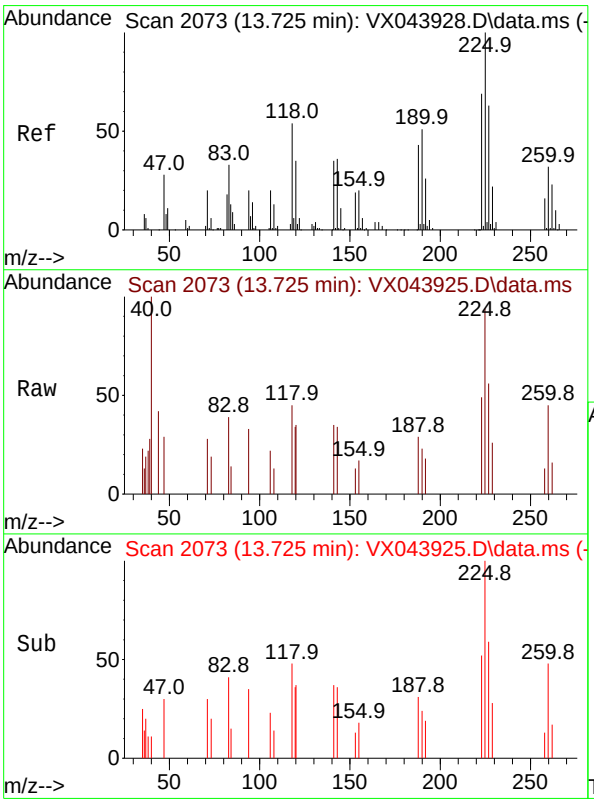

#93
1,2,4-Trichlorobenzene
Concen: 0.854 ug/l
RT: 13.597 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:180 Resp: 1576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 70.6 | 48.0 | 144.2 |
| 145 | 26.6 | 16.8 | 50.4 |

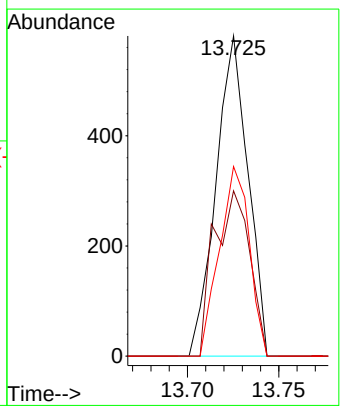


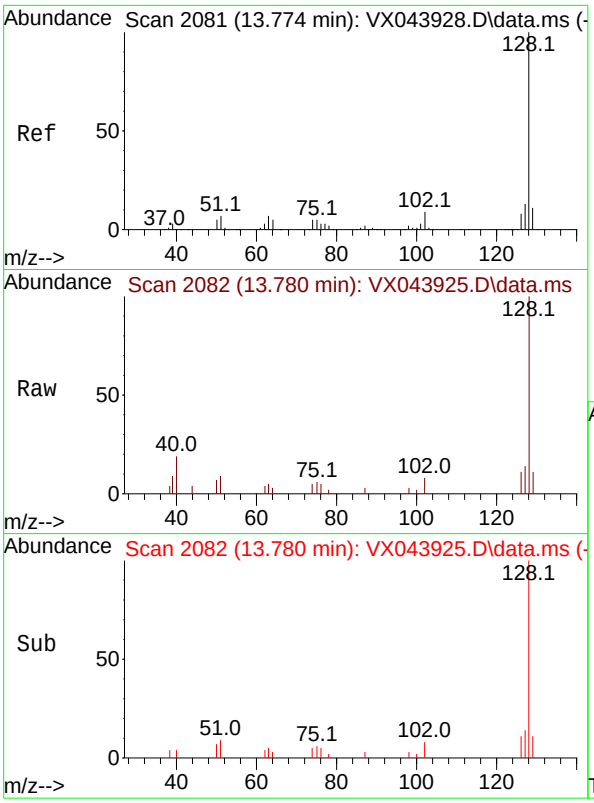




#94
Hexachlorobutadiene
Concen: 0.972 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:225 Resp: 709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 57.1 | 32.9 | 98.6 |
| 227 | 55.3 | 31.6 | 94.8 |



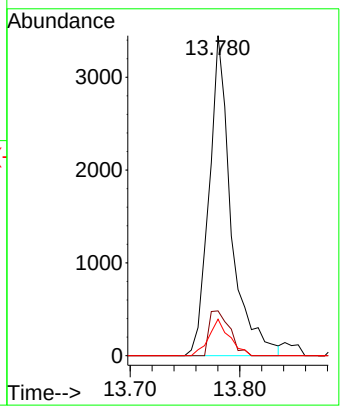


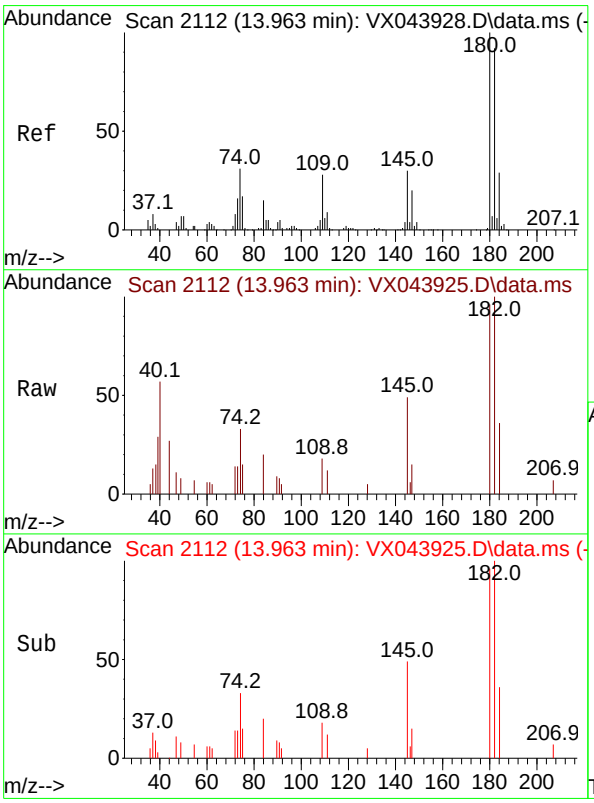

#95
Naphthalene
Concen: 0.728 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Tgt Ion:128 Resp: 4837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.1 | 10.2 | 15.2 |
| 129 | 10.6 | 8.6 | 12.8 |

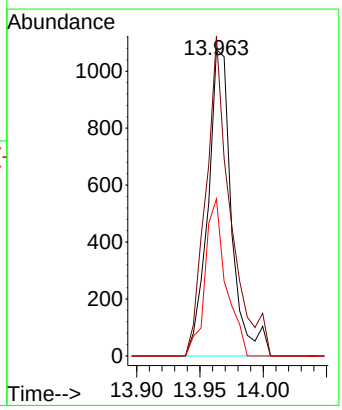



#96
1,2,3-Trichlorobenzene
Concen: 0.749 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043925.D
Acq: 21 Nov 2024 09:47

Tgt Ion:180 Resp: 1398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 107.8 | 45.6 | 136.8 |
| 145 | 45.3 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 150793 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 264969 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 223514 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 96662 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 13961 | 5.398 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 10.800%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 9842 | 5.198 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 10.400%# | | | |
| 50) Toluene-d8 | 8.646 | 98 | 35173 | 5.389 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 10.780%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 10618 | 4.780 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 9.560%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 9545 | 4.997 | ug/l | 87 |
| 3) Chloromethane | 1.294 | 50 | 9980 | 4.965 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 10682 | 4.996 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 6415 | 4.877 | ug/l | 90 |
| 6) Chloroethane | 1.666 | 64 | 6474 | 4.969 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 19099 | 4.996 | ug/l | 91 |
| 8) Diethyl Ether | 2.129 | 74 | 6480 | 4.651 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 8824 | 4.839 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 9897 | 4.346 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.995 | 59 | 8556 | 20.610 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 7987 | 4.597 | ug/l | 87 |
| 13) Acrolein | 2.239 | 56 | 11940 | 27.287 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 12874 | 4.534 | ug/l | 96 |
| 15) Acrylonitrile | 3.062 | 53 | 24290 | 24.010 | ug/l | 99 |
| 16) Acetone | 2.385 | 43 | 29886 | 25.159 | ug/l | 95 |
| 17) Carbon Disulfide | 2.495 | 76 | 14415 | 4.022 | ug/l # | 94 |
| 18) Methyl Acetate | 2.702 | 43 | 13127 | 4.745 | ug/l | 97 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 30022 | 4.759 | ug/l # | 88 |
| 20) Methylene Chloride | 2.782 | 84 | 9895 | 4.909 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.080 | 96 | 8486 | 4.730 | ug/l # | 80 |
| 22) Diisopropyl ether | 3.757 | 45 | 29102 | 4.794 | ug/l # | 65 |
| 23) Vinyl Acetate | 3.721 | 43 | 116242 | 22.382 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 16857 | 4.813 | ug/l | 98 |
| 25) 2-Butanone | 4.568 | 43 | 36680 | 23.931 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 15040 | 4.755 | ug/l # | 76 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 10153 | 4.579 | ug/l | 96 |
| 28) Bromochloromethane | 4.891 | 49 | 9210 | 5.974 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 23518 | 25.028 | ug/l | 96 |
| 30) Chloroform | 5.086 | 83 | 18661 | 4.954 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 13740 | 4.767 | ug/l # | 85 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 15162 | 4.667 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 11406 | 4.834 | ug/l | 97 |
| 37) Ethyl Acetate | 4.720 | 43 | 12177 | 4.158 | ug/l # | 94 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 12348 | 4.658 | ug/l | 97 |
| 39) Methylcyclohexane | 7.372 | 83 | 14721 | 4.803 | ug/l | 95 |
| 40) Benzene | 6.031 | 78 | 36283 | 4.937 | ug/l | 94 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 7355 | 4.907 | ug/l | # | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 14467 | 4.901 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 22267 | 4.777 | ug/l | | 99 |
| 44) Trichloroethene | 7.128 | 130 | 9852 | 4.736 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 8525 | 4.736 | ug/l | | 91 |
| 46) Dibromomethane | 7.586 | 93 | 6372 | 4.475 | ug/l | | 93 |
| 47) Bromodichloromethane | 7.823 | 83 | 11249 | 4.405 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.695 | 41 | 10190 | 4.556 | ug/l | | 95 |
| 49) 1,4-Dioxane | 7.677 | 88 | 3056 | 79.255 | ug/l | # | 70 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 69843 | 24.556 | ug/l | | 97 |
| 52) Toluene | 8.714 | 92 | 22218 | 5.051 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 10937 | 4.200 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 12253 | 4.292 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 9.152 | 97 | 9000 | 4.957 | ug/l | | 94 |
| 56) Ethyl methacrylate | 9.116 | 69 | 12381 | 4.378 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 15211 | 4.973 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 43351 | 27.673 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 52072 | 24.357 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 7738 | 4.247 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 8985 | 4.894 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.274 | 164 | 7642 | 5.185 | ug/l | | 93 |
| 65) Chlorobenzene | 10.079 | 112 | 24792 | 5.050 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 7421 | 4.661 | ug/l | | 96 |
| 67) Ethyl Benzene | 10.195 | 91 | 40927 | 4.920 | ug/l | | 95 |
| 68) m/p-Xylenes | 10.305 | 106 | 29635 | 9.553 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 14856 | 4.905 | ug/l | | 98 |
| 70) Styrene | 10.658 | 104 | 22907 | 4.573 | ug/l | | 97 |
| 71) Bromoform | 10.799 | 173 | 4476 | 5.004 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 37958 | 5.109 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 15928 | 4.627 | ug/l | | 97 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 13107 | 5.152 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 14721 | 7.062 | ug/l | | 80 |
| 77) Bromobenzene | 11.195 | 156 | 9259 | 5.224 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 39774 | 4.793 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 26740 | 5.096 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 30114 | 4.926 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 2880 | 3.707 | ug/l | # | 77 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 29049 | 4.903 | ug/l | | 96 |
| 83) tert-Butylbenzene | 11.713 | 119 | 29934 | 4.940 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30674 | 5.040 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.890 | 105 | 37899 | 5.105 | ug/l | | 96 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 29412 | 4.878 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 16008 | 4.959 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 15837 | 4.831 | ug/l | | 89 |
| 89) n-Butylbenzene | 12.335 | 91 | 24938 | 4.691 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 4279 | 4.173 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 16747 | 5.140 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 2454 | 4.814 | ug/l | | 85 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 8746 | 4.553 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 3713 | 4.891 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 32485 | 4.698 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 9280 | 4.773 | ug/l | | 96 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

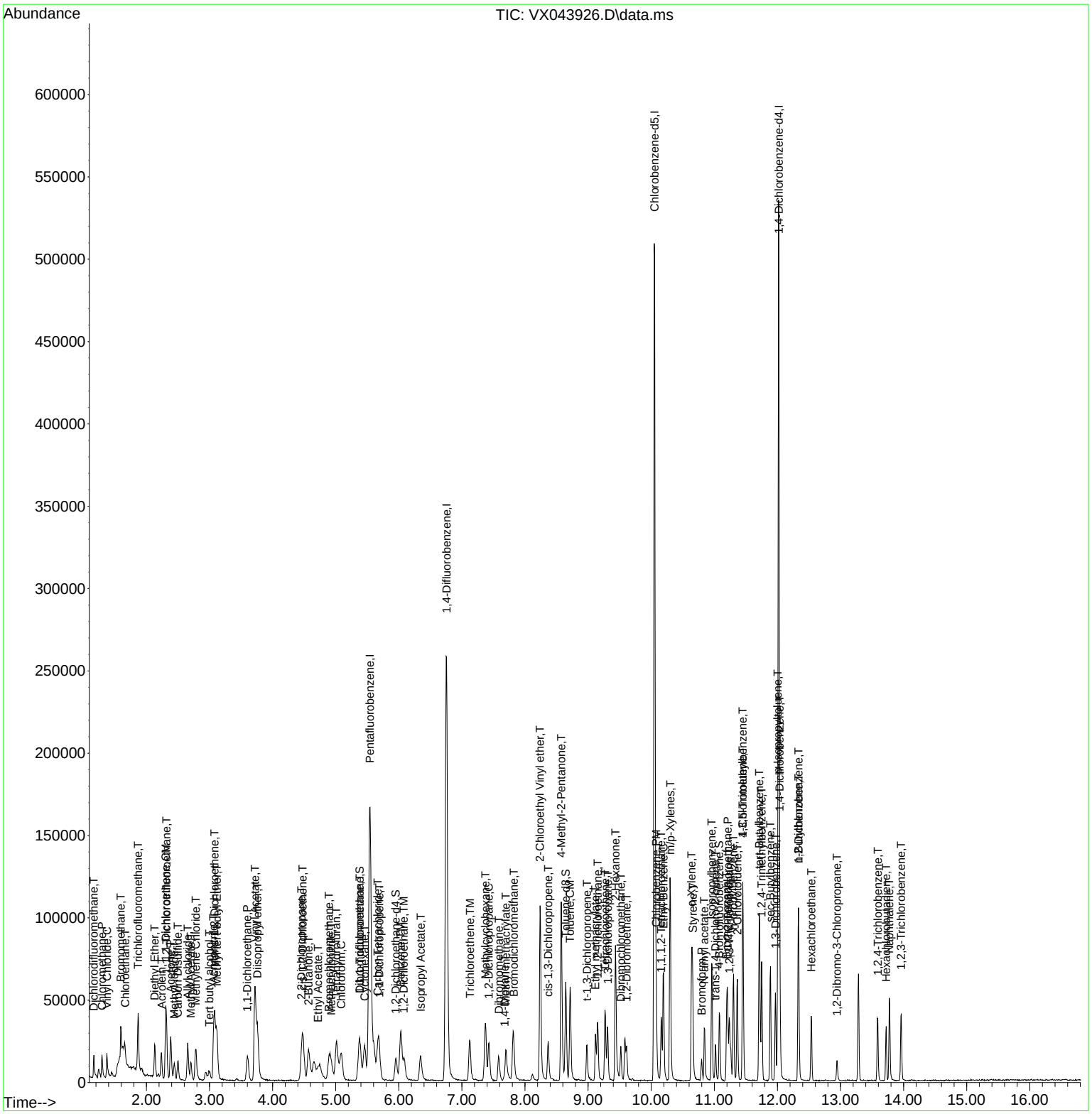
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

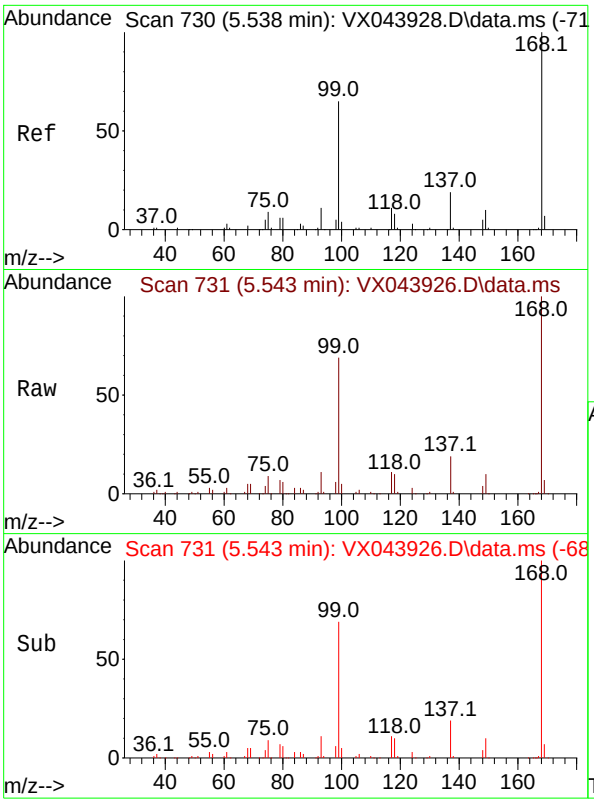
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043926.D
Acq On : 21 Nov 2024 10:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Nov 22 03:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



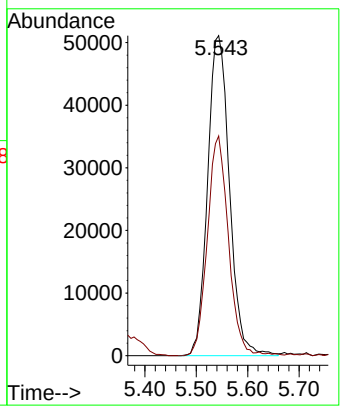


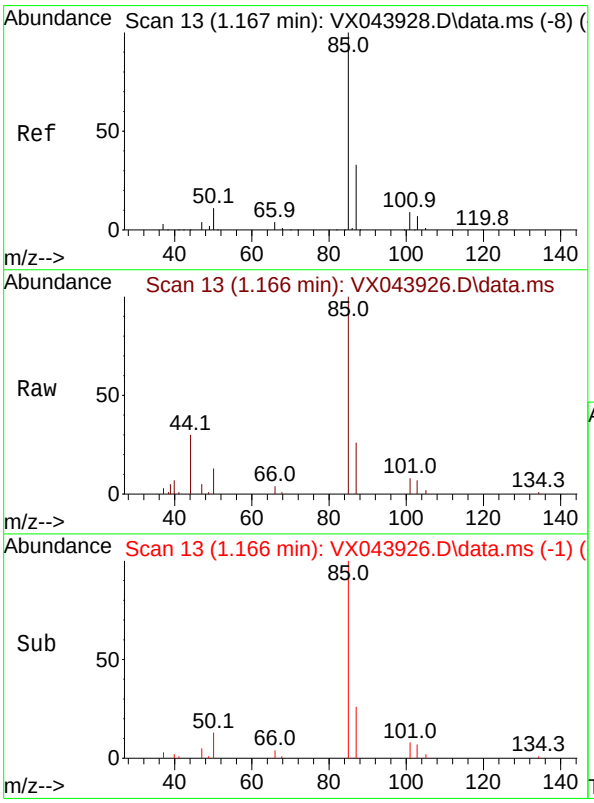

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 150793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 68.6 | 51.8 | 77.8 |

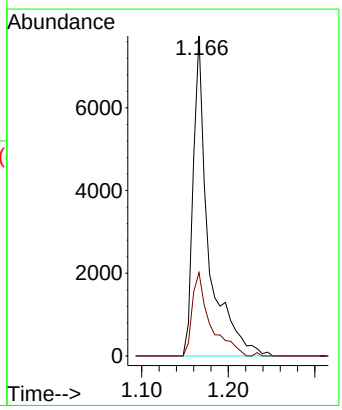


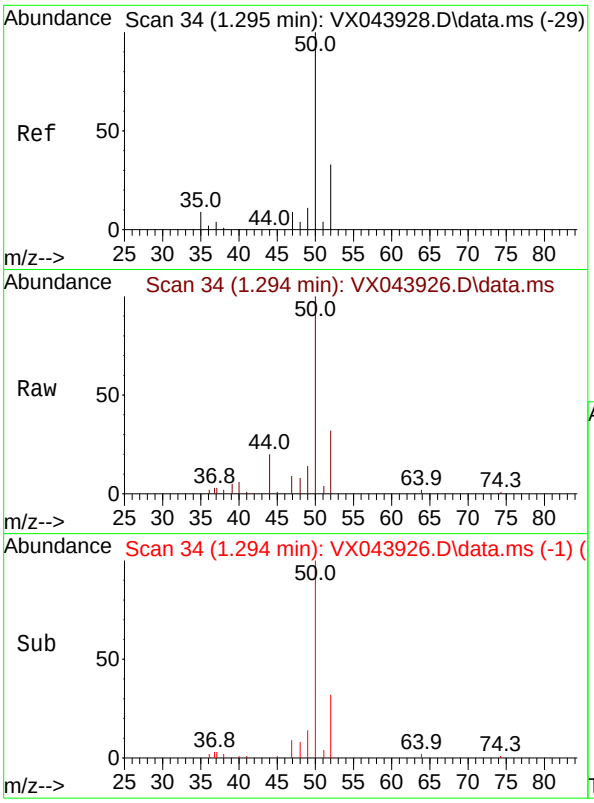




#2
Dichlorodifluoromethane
Concen: 4.997 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 26.0 | 16.6 | 49.8 |



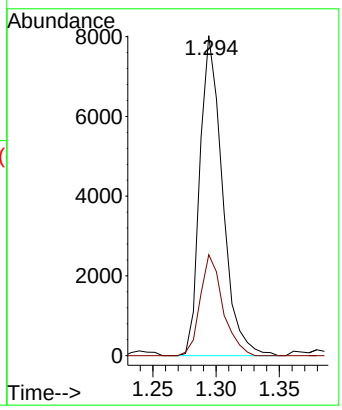


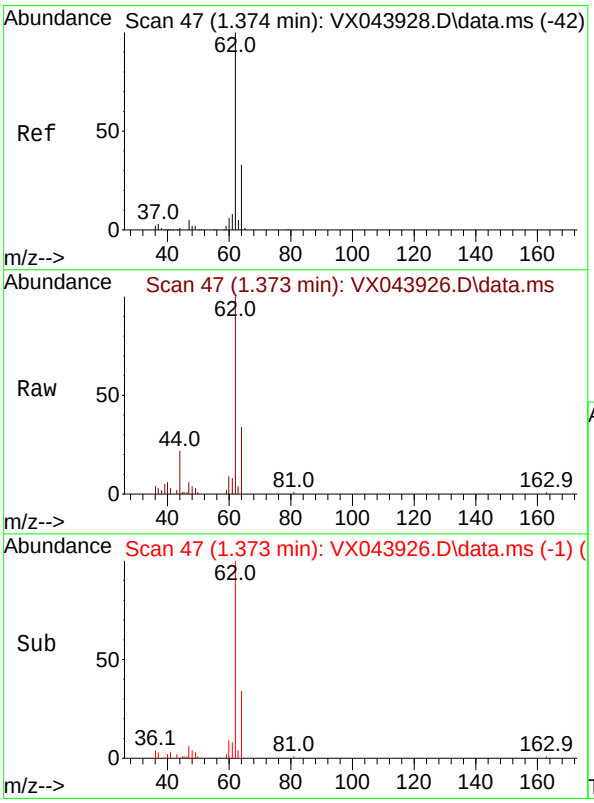

#3
Chloromethane
Concen: 4.965 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 9980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.5 | 26.1 | 39.1 |

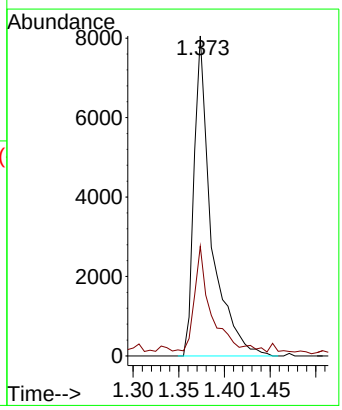


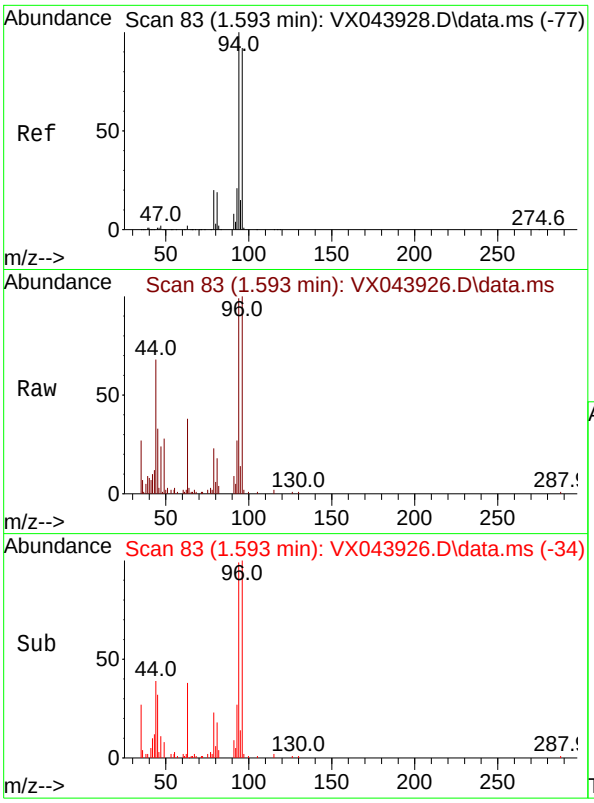




#4
Vinyl Chloride
Concen: 4.996 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.2 | 39.4 |



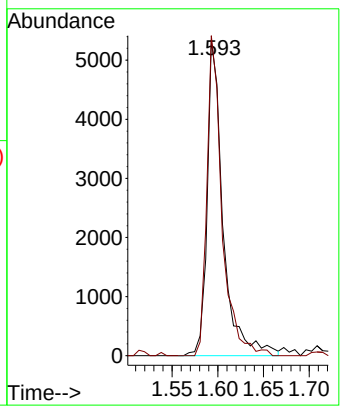


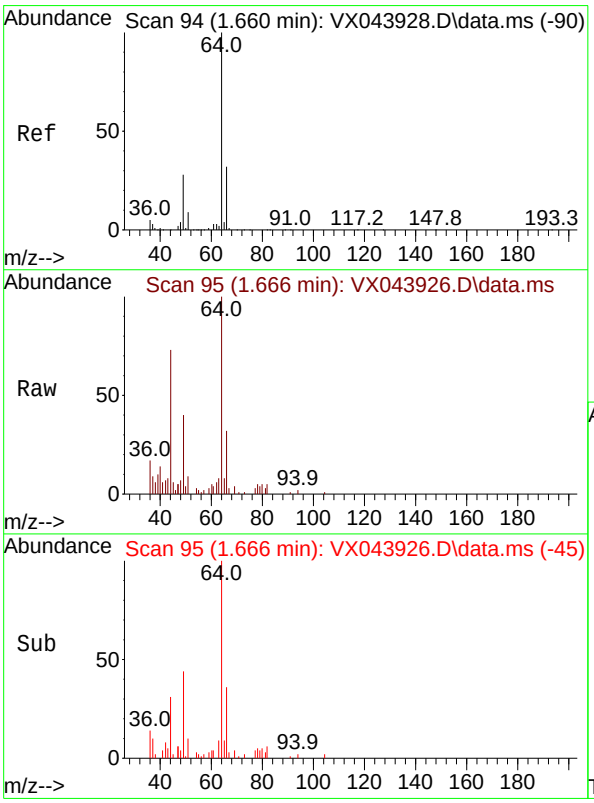

#5
Bromomethane
Concen: 4.877 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 6415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 101.5 | 73.9 | 110.9 |

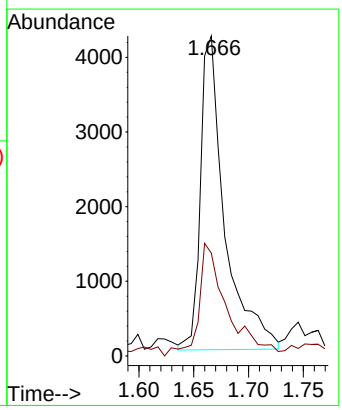


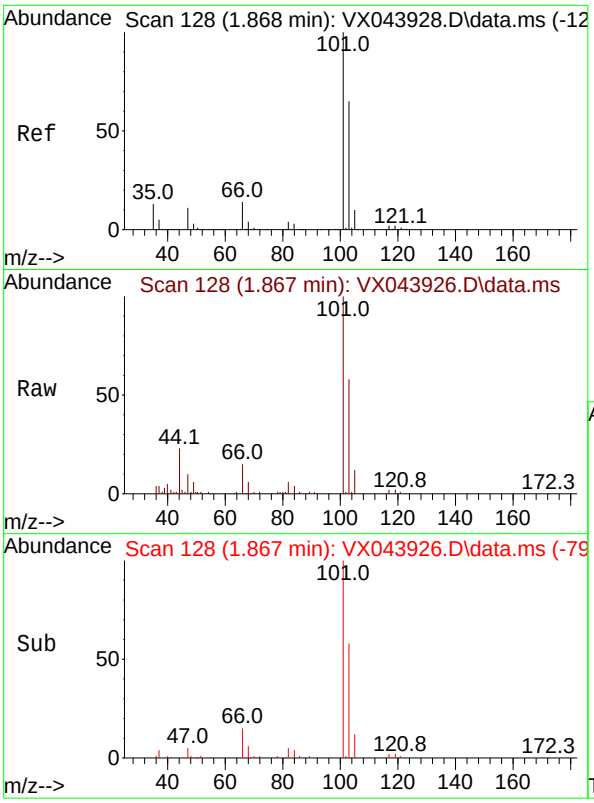




#6
Chloroethane
Concen: 4.969 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 25.9 | 38.9 |



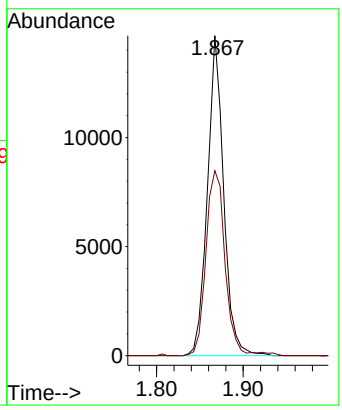


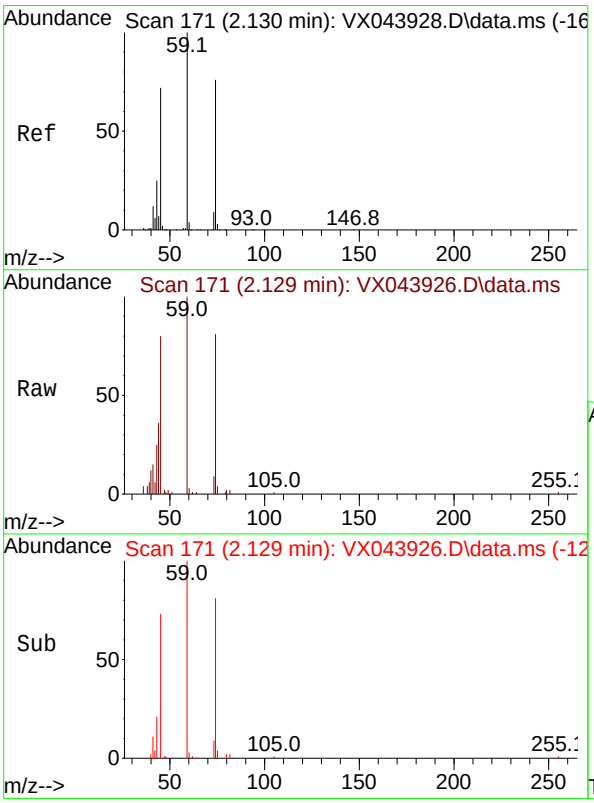

#7
Trichlorofluoromethane
Concen: 4.996 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 19099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 57.8 | 52.2 | 78.2 |

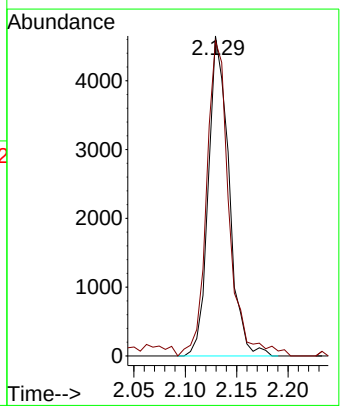


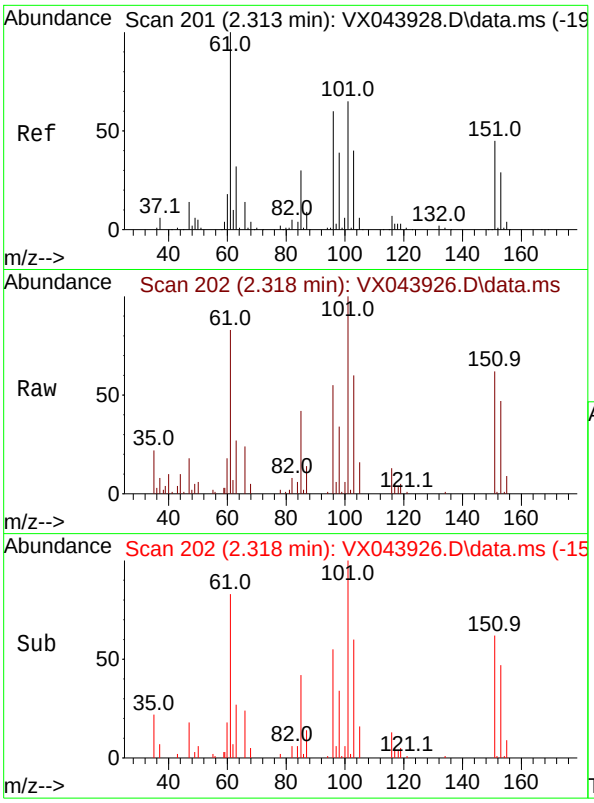




#8
Diethyl Ether
Concen: 4.651 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.9 | 47.9 | 143.6 |



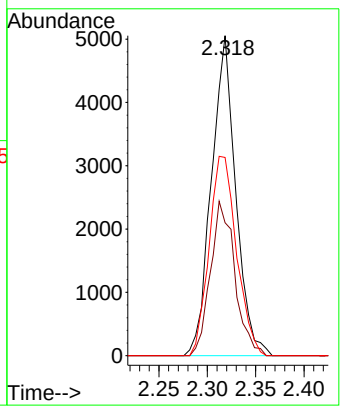


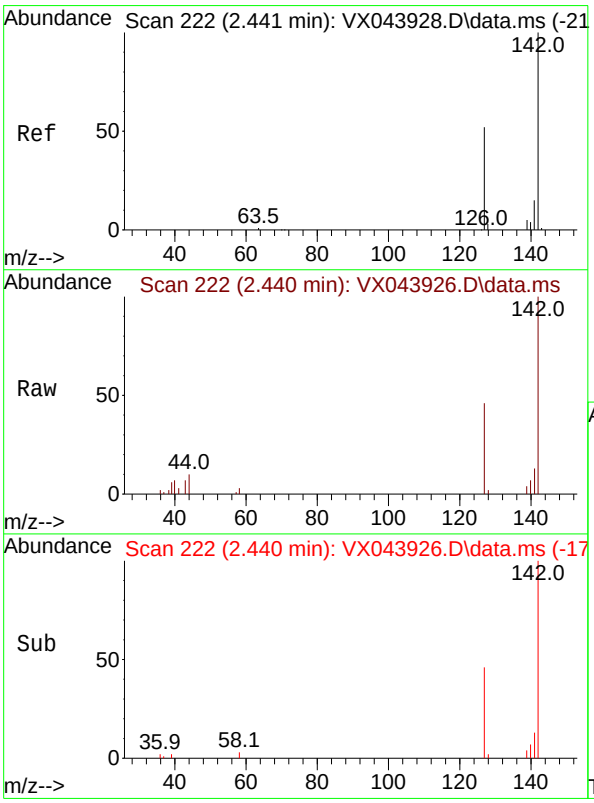

#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.839 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 8824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.4 | 37.9 | 56.9 |
| 151 | 70.3 | 57.5 | 86.3 |

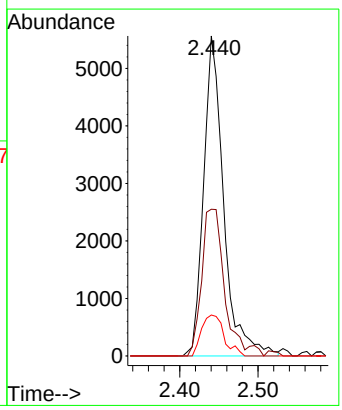


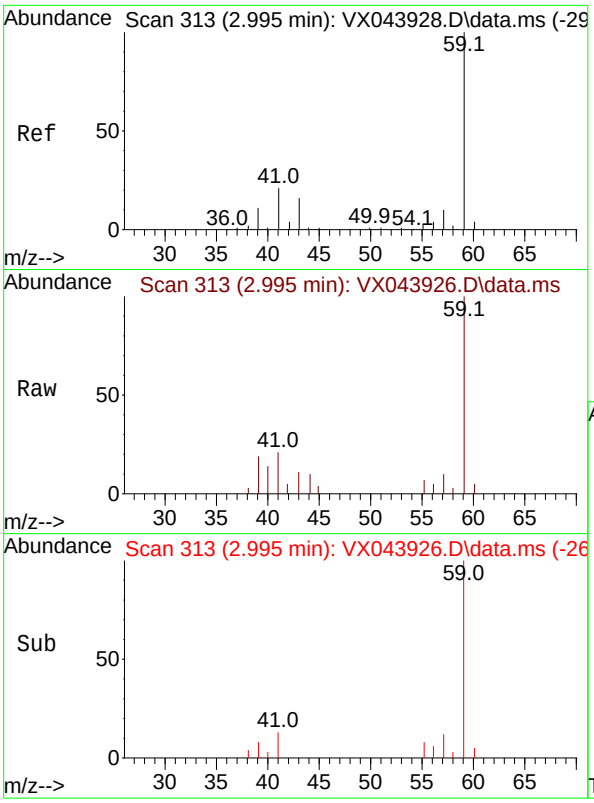




#10
Methyl Iodide
Concen: 4.346 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.4 | 40.7 | 61.1 |
| 141 | 14.4 | 12.0 | 18.0 |



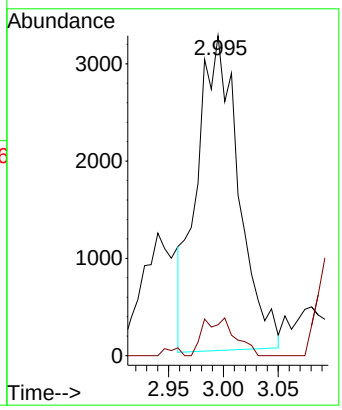


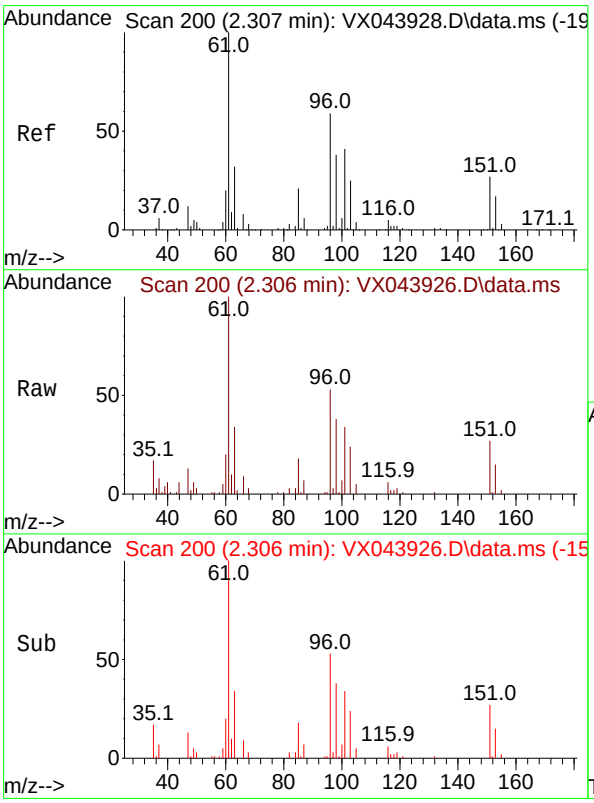

#11
Tert butyl alcohol
Concen: 20.610 ug/l
RT: 2.995 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 8556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.1 | 7.9 | 11.9 |

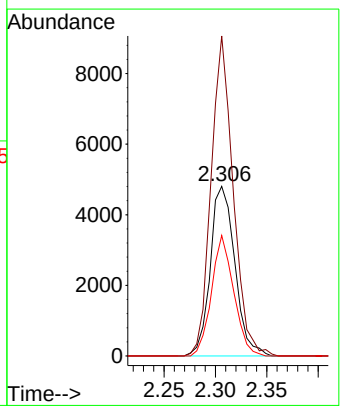


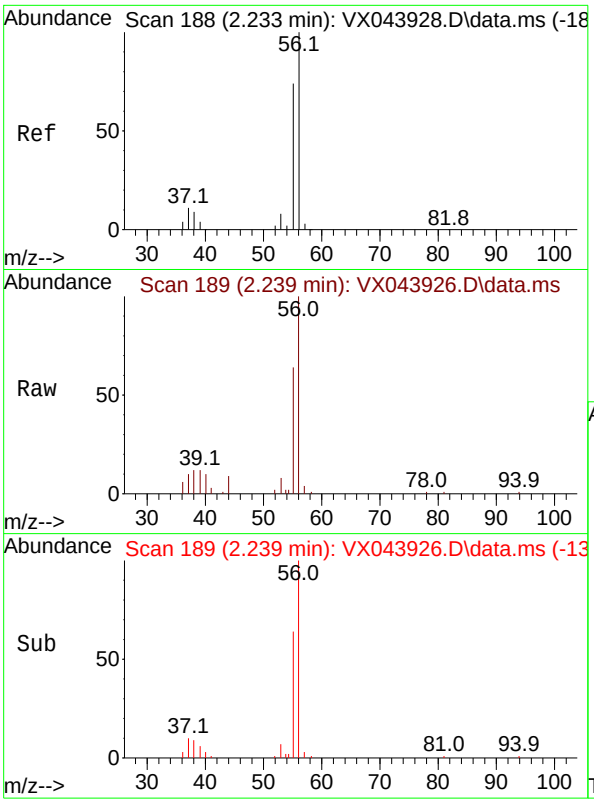




#12
1,1-Dichloroethene
Concen: 4.597 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 96 Resp: 7987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 188.7 | 135.5 | 203.3 |
| 98 | 71.1 | 50.8 | 76.2 |



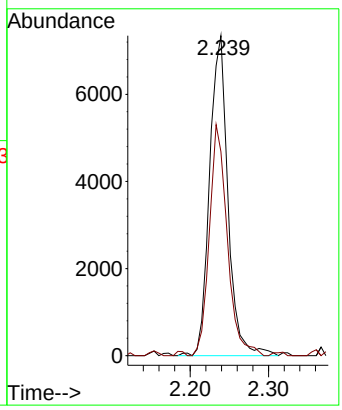


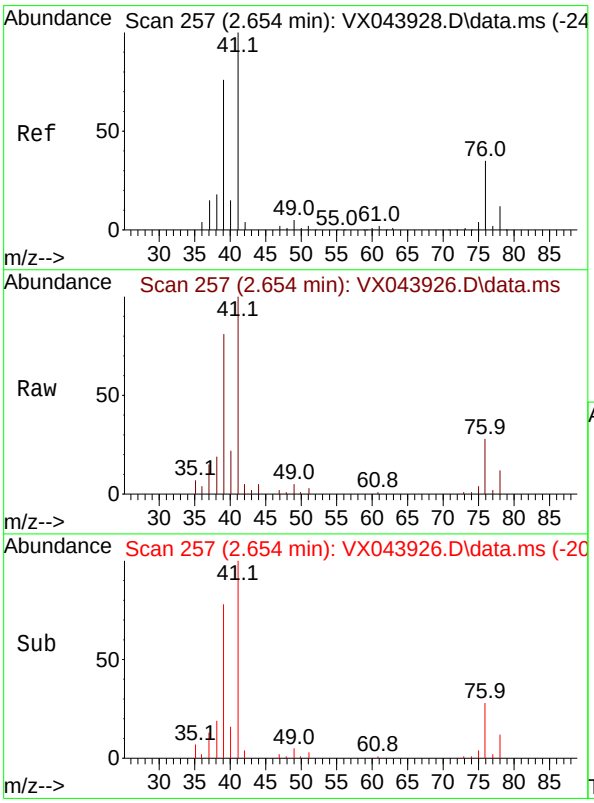

#13
Acrolein
Concen: 27.287 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 11940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 58.2 | 87.2 |

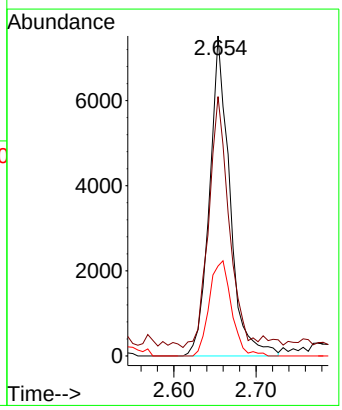


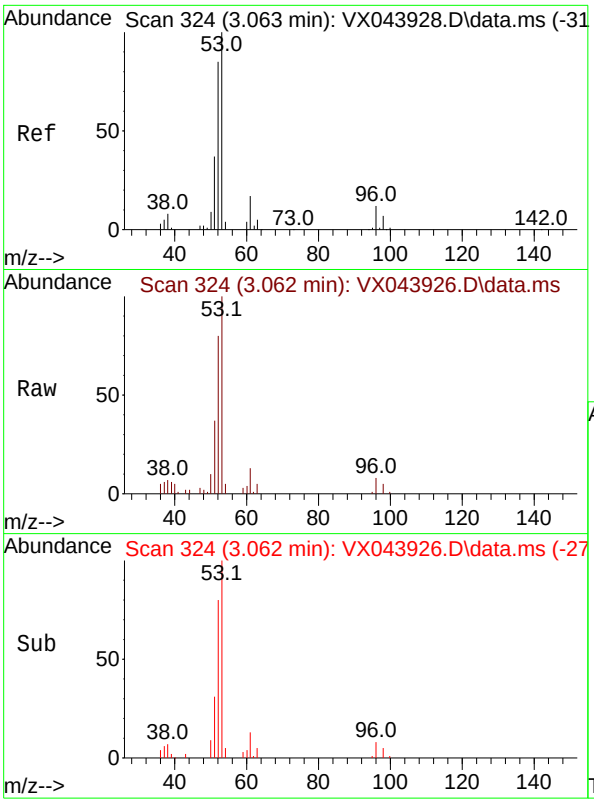




#14
Allyl chloride
Concen: 4.534 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 12874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.5 | 59.5 | 89.3 |
| 76 | 32.4 | 27.4 | 41.2 |



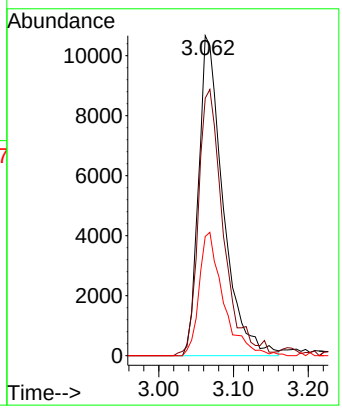


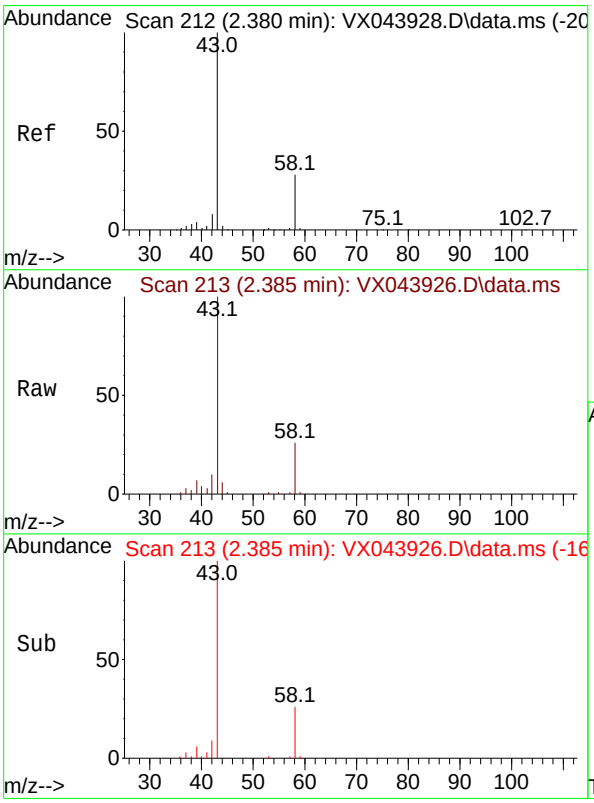

#15
Acrylonitrile
Concen: 24.010 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 24290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.7 | 66.5 | 99.7 |
| 51 | 38.0 | 30.2 | 45.4 |

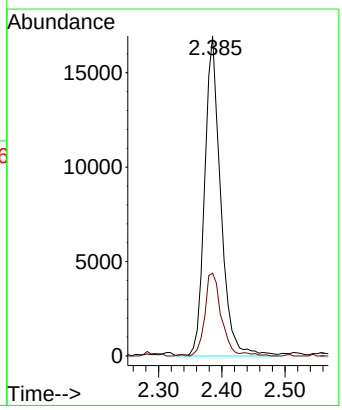


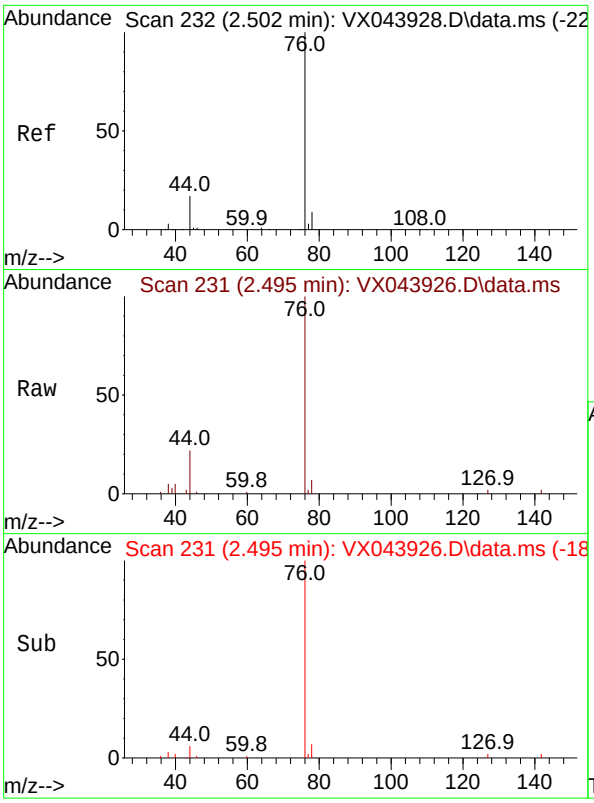




#16
Acetone
Concen: 25.159 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 29886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.9 | 22.7 | 34.1 |



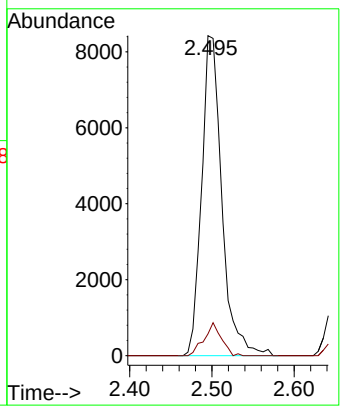


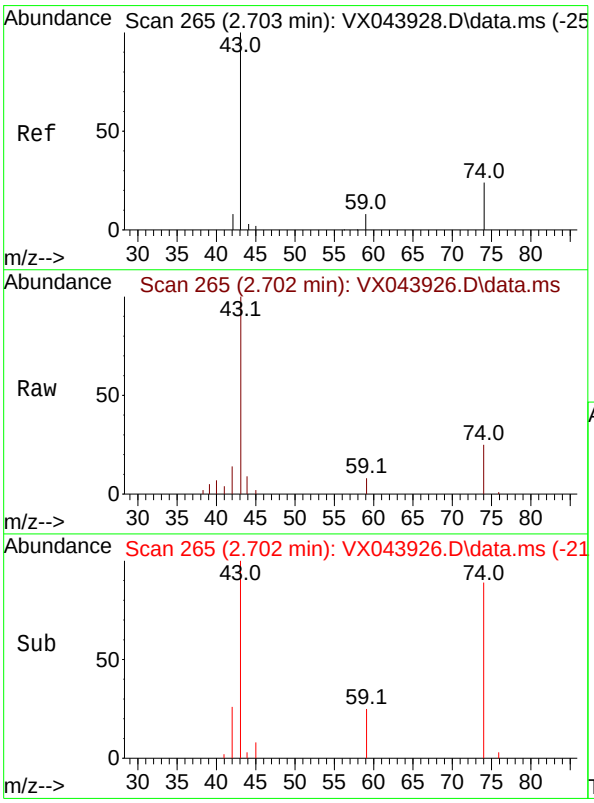

#17
Carbon Disulfide
Concen: 4.022 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 14415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 6.8 | 7.0 | 10.6# |

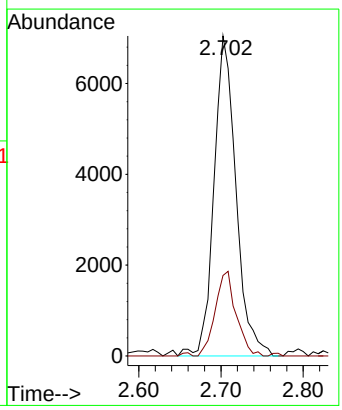


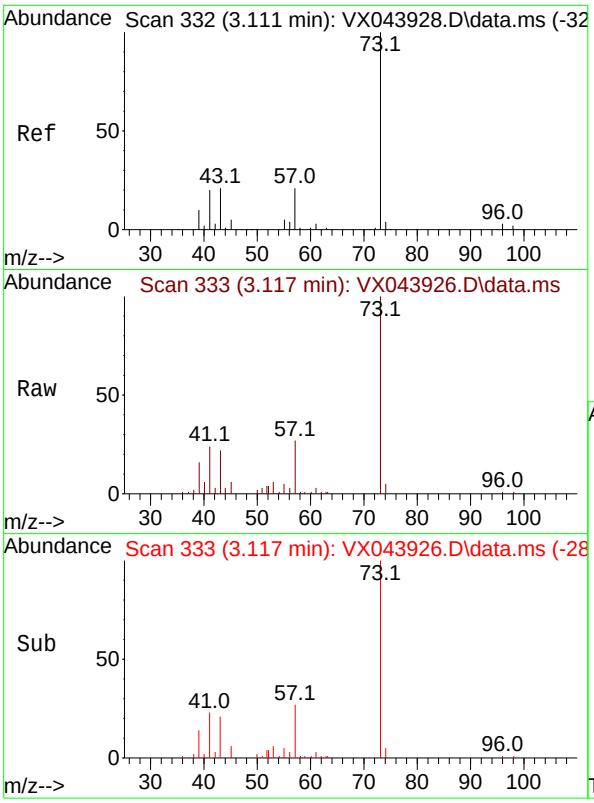




#18
Methyl Acetate
Concen: 4.745 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 25.0 | 18.9 | 28.3 |



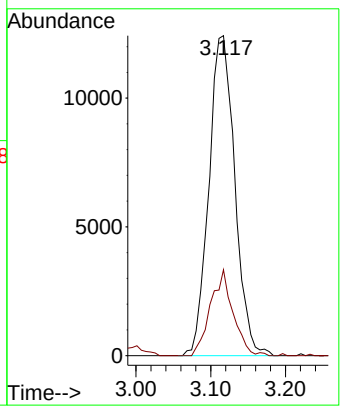


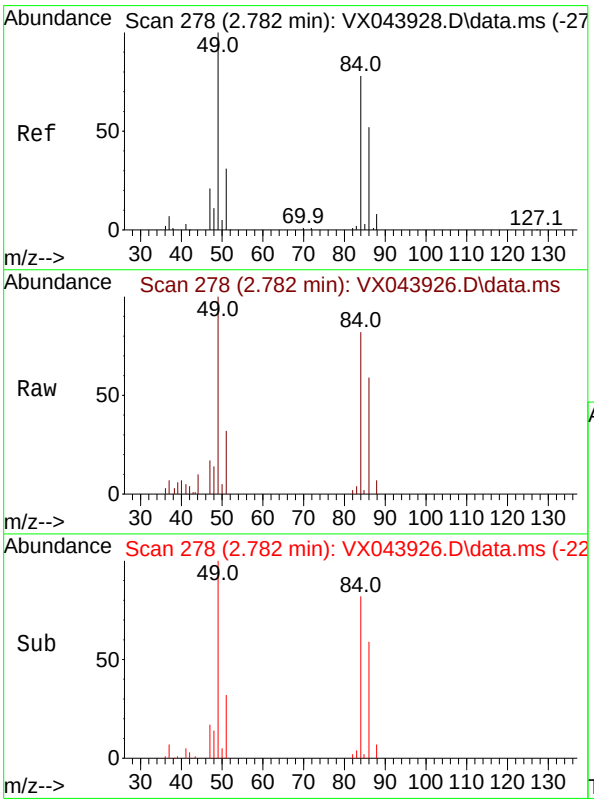

#19
Methyl tert-butyl Ether
Concen: 4.759 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 30022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 26.8 | 17.0 | 25.6# |

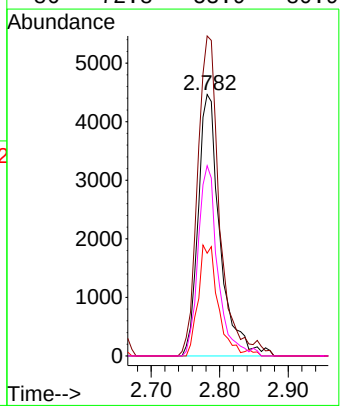


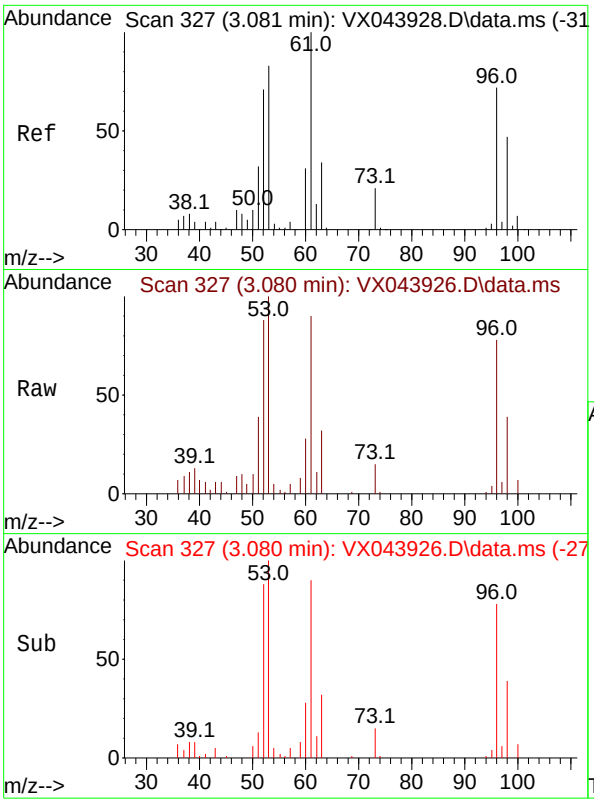




#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.4 | 102.7 | 154.1 |
| 51 | 39.3 | 31.7 | 47.5 |
| 86 | 72.8 | 53.9 | 80.9 |



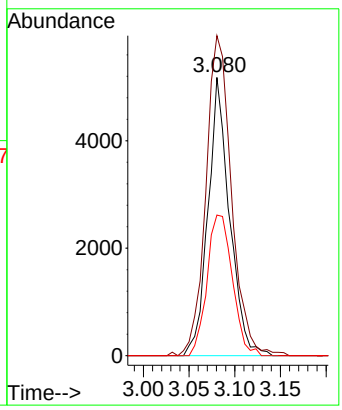


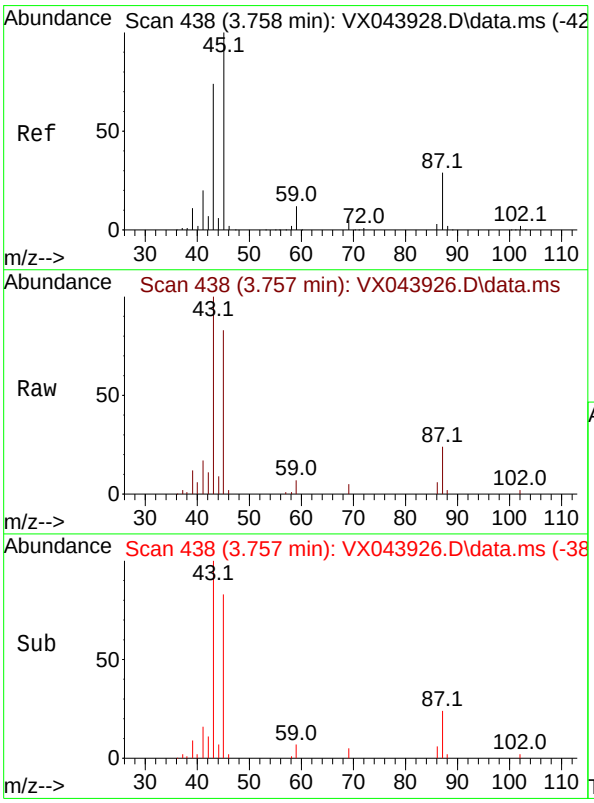

#21
trans-1,2-Dichloroethene
Concen: 4.730 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 8486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 115.0 | 111.8 | 167.6 |
| 98 | 50.6 | 52.7 | 79.1# |

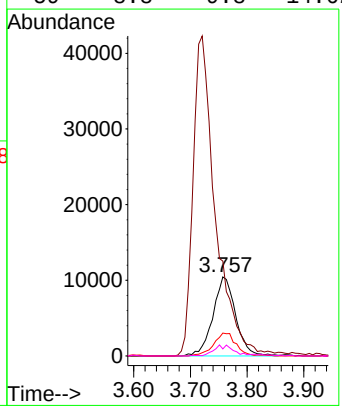


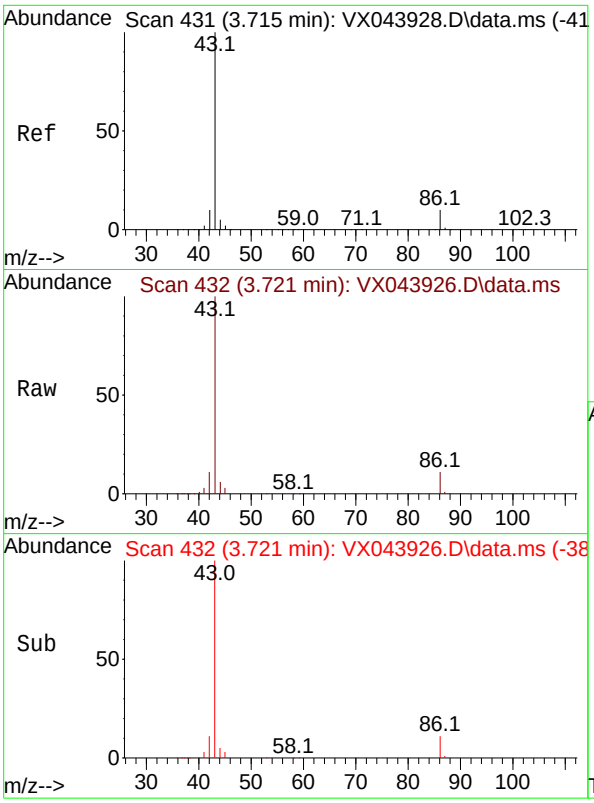




#22
Diisopropyl ether
Concen: 4.794 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 118.7 | 59.6 | 89.4# |
| 87 | 29.0 | 22.9 | 34.3 |
| 59 | 8.8 | 9.8 | 14.6# |



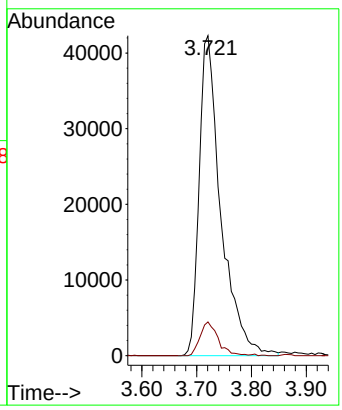


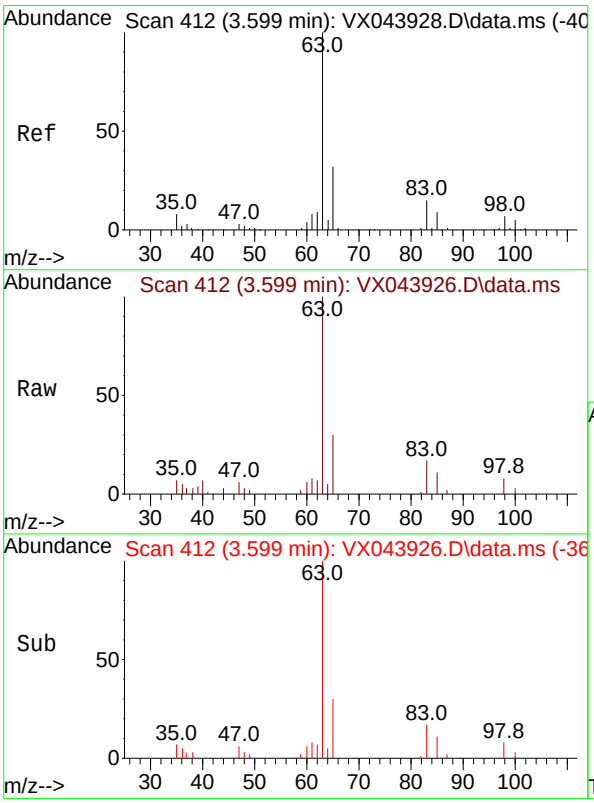

#23
Vinyl Acetate
Concen: 22.382 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 116242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

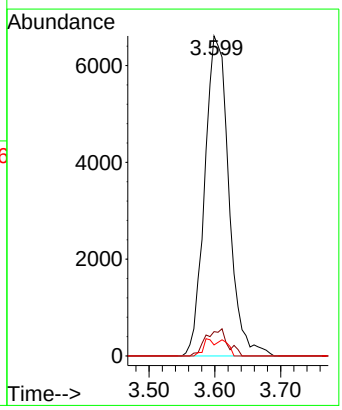


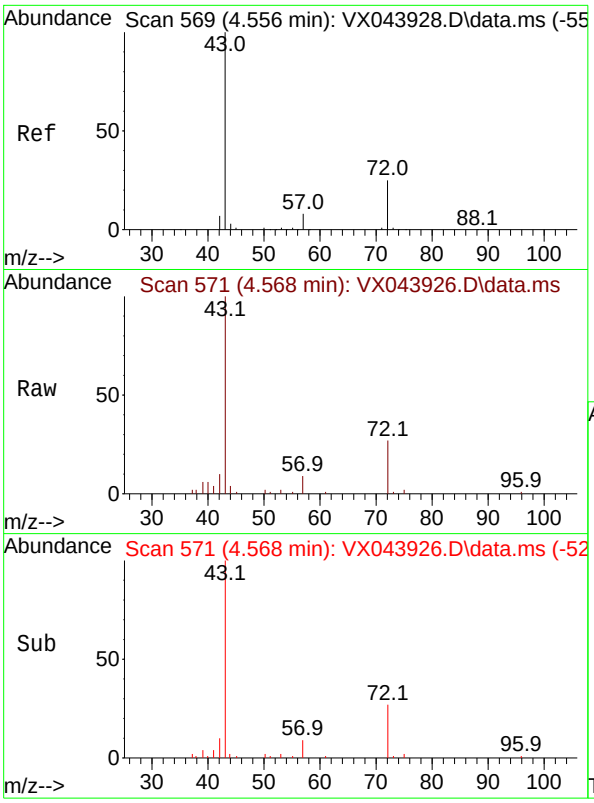




#24
1,1-Dichloroethane
Concen: 4.813 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.5 | 10.6 |
| 100 | 3.5 | 2.4 | 7.1 |



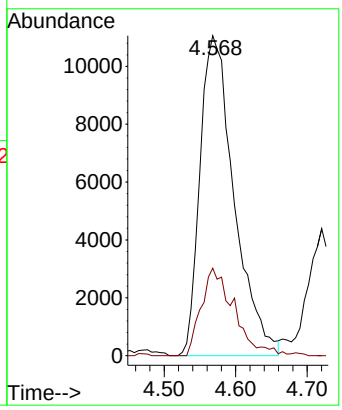


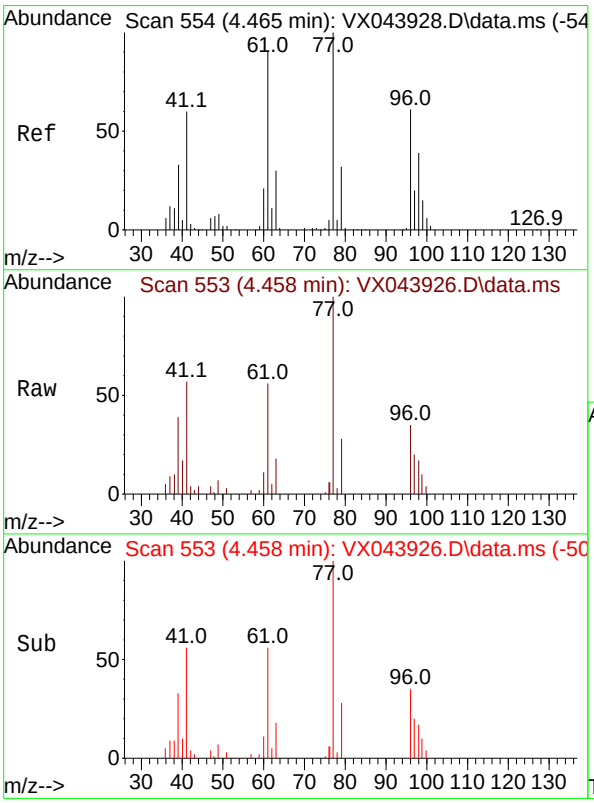

#25
2-Butanone
Concen: 23.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 36680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.4 | 20.2 | 30.2 |

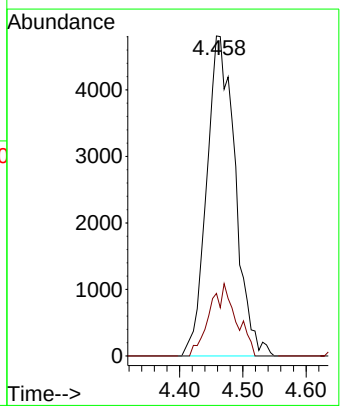


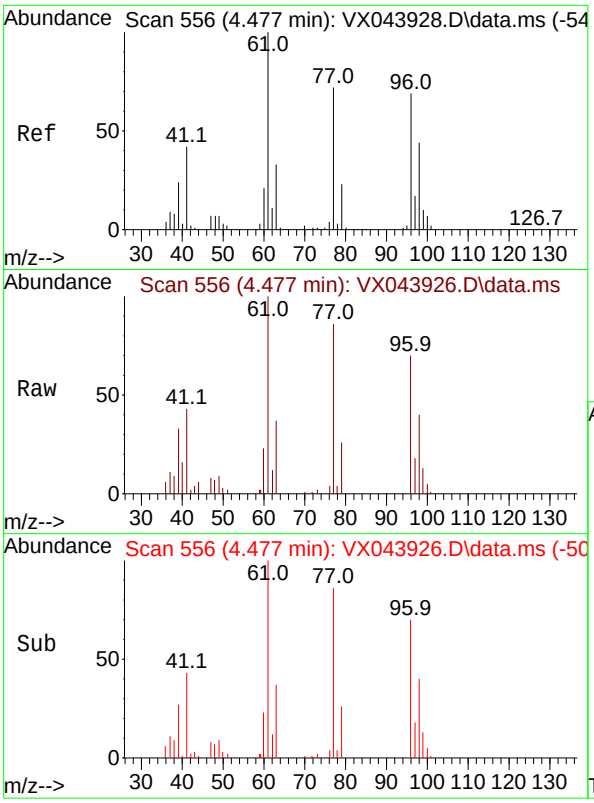




#26
2,2-Dichloropropane
Concen: 4.755 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.007 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 10.0 | 10.8 | 32.3# |



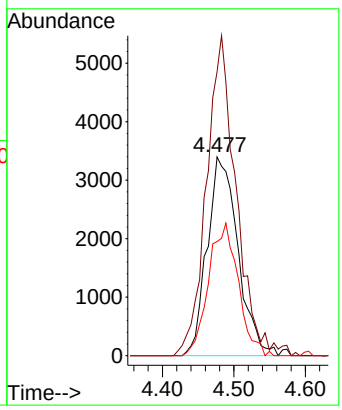


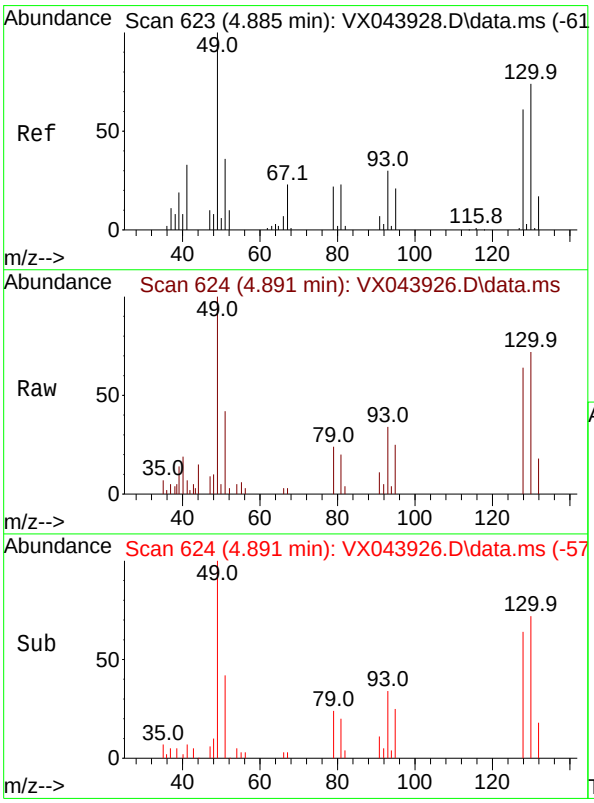

#27
cis-1,2-Dichloroethene
Concen: 4.579 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 10153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.7 | 0.0 | 297.4 |
| 98 | 64.3 | 0.0 | 127.8 |

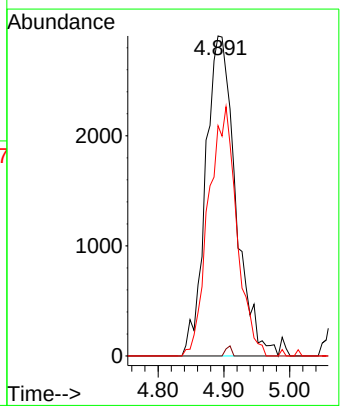


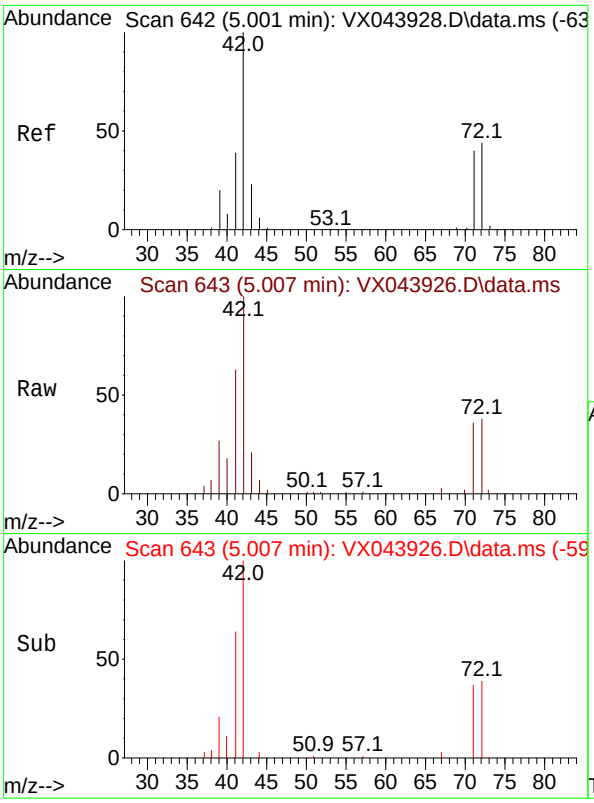




#28
Bromochloromethane
Concen: 5.974 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 49 Resp: 9210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.6 | 0.0 | 4.0 |
| 130 | 73.5 | 59.0 | 88.6 |



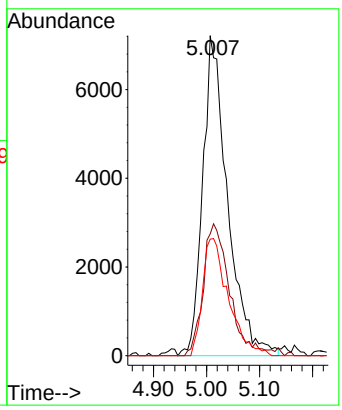


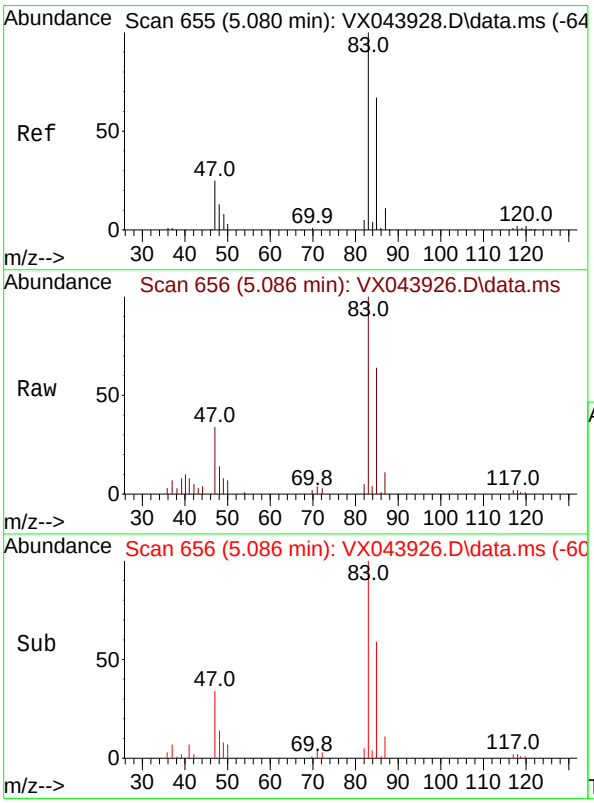

#29
Tetrahydrofuran
Concen: 25.028 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 23518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.4 | 36.4 | 54.6 |
| 71 | 38.1 | 33.4 | 50.0 |

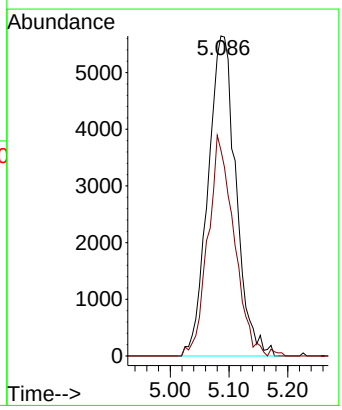


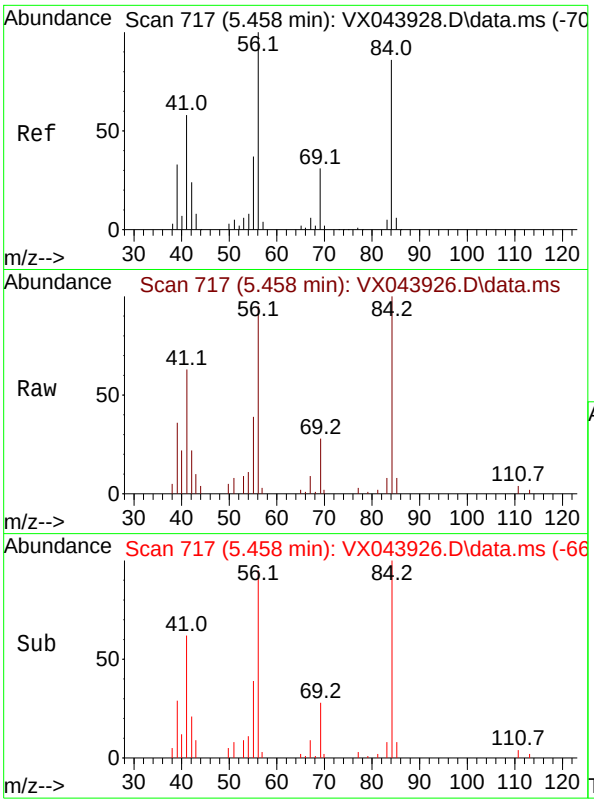




#30
Chloroform
Concen: 4.954 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 83 Resp: 18661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 53.5 | 80.3 |



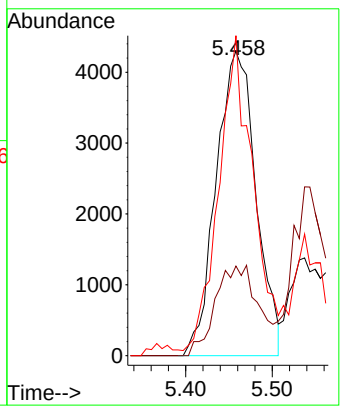


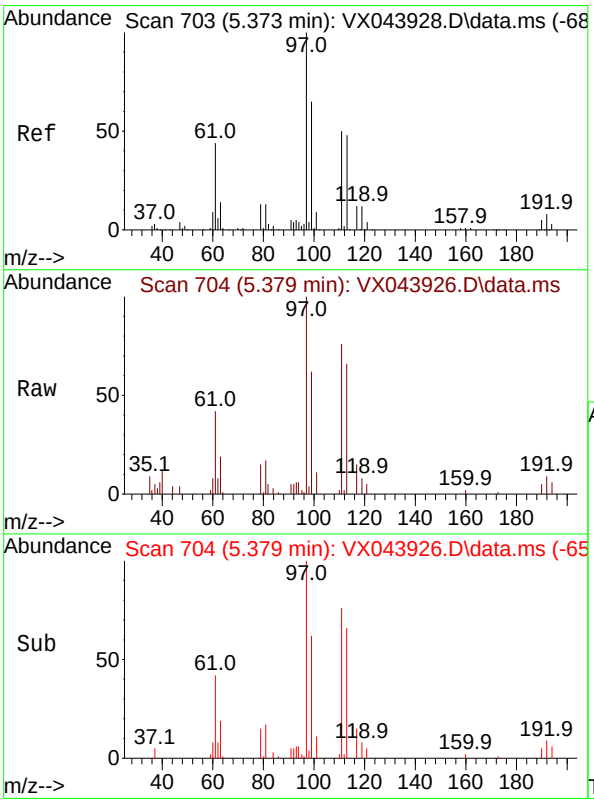

#31
Cyclohexane
Concen: 4.767 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 13740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.5 | 24.7 | 37.1 |
| 84 | 103.2 | 68.7 | 103.1# |

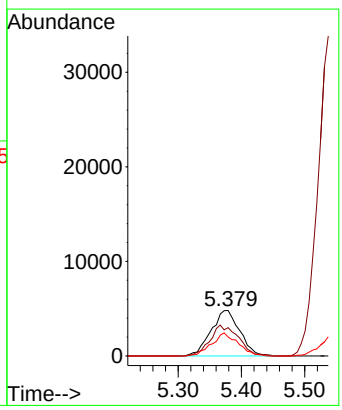


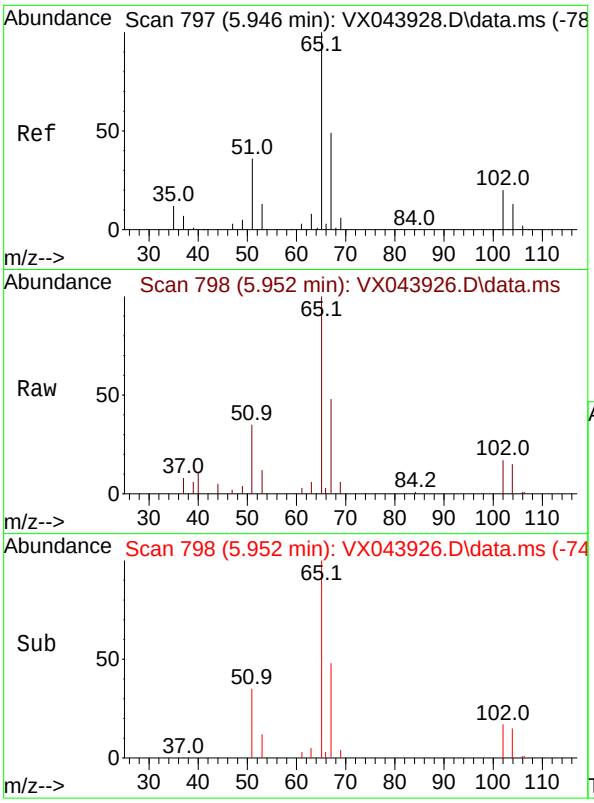




#32
1,1,1-Trichloroethane
Concen: 4.667 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.9 | 50.8 | 76.2 |
| 61 | 46.2 | 35.4 | 53.2 |



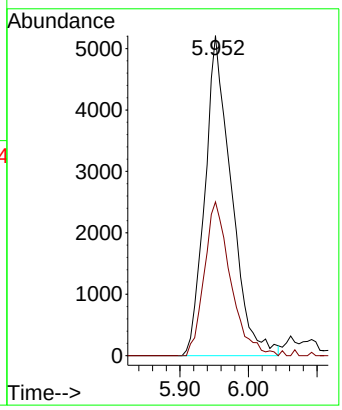


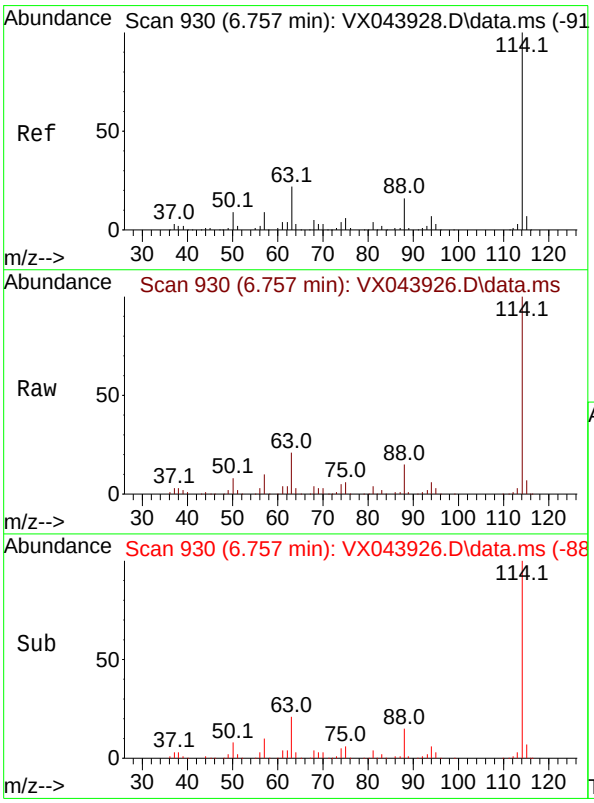

#33
1,2-Dichloroethane-d4
Concen: 5.398 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 13961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 47.8 | 0.0 | 100.8 |

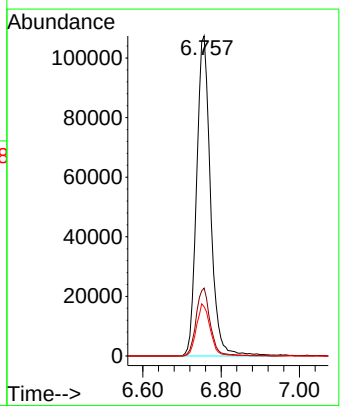


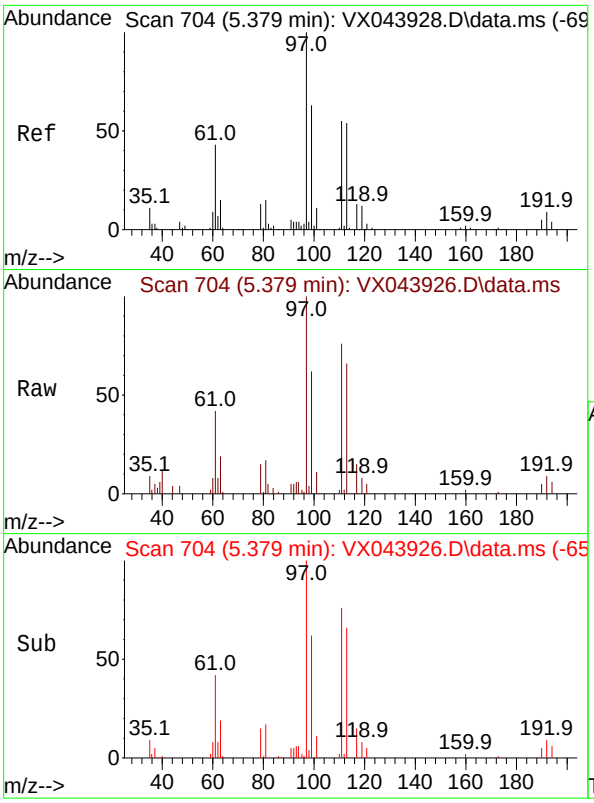




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:114 Resp: 264969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 15.4 | 0.0 | 32.4 |



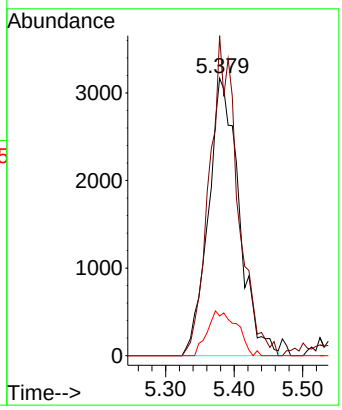


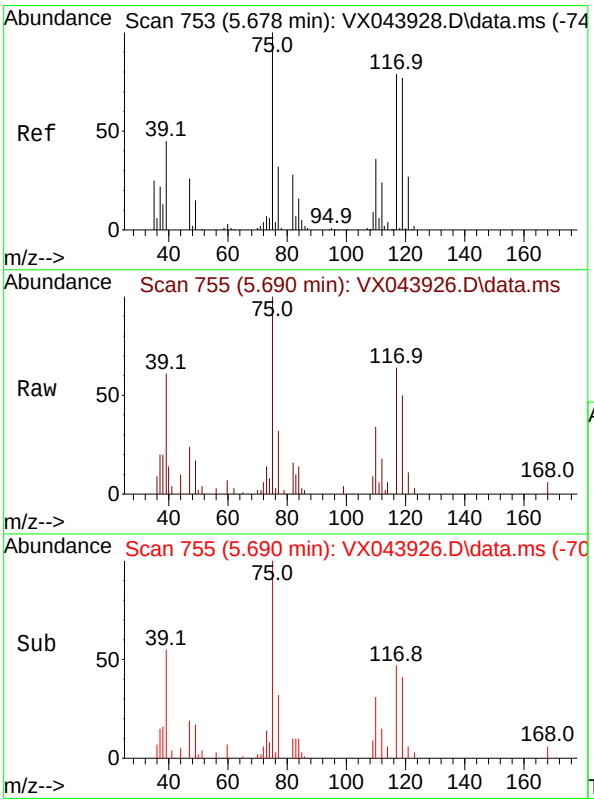

#35
Dibromofluoromethane
Concen: 5.198 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 9842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 107.2 | 81.0 | 121.4 |
| 192 | 15.6 | 13.0 | 19.6 |

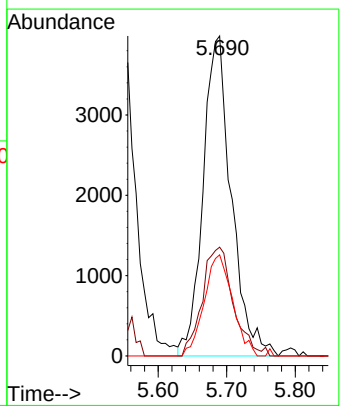


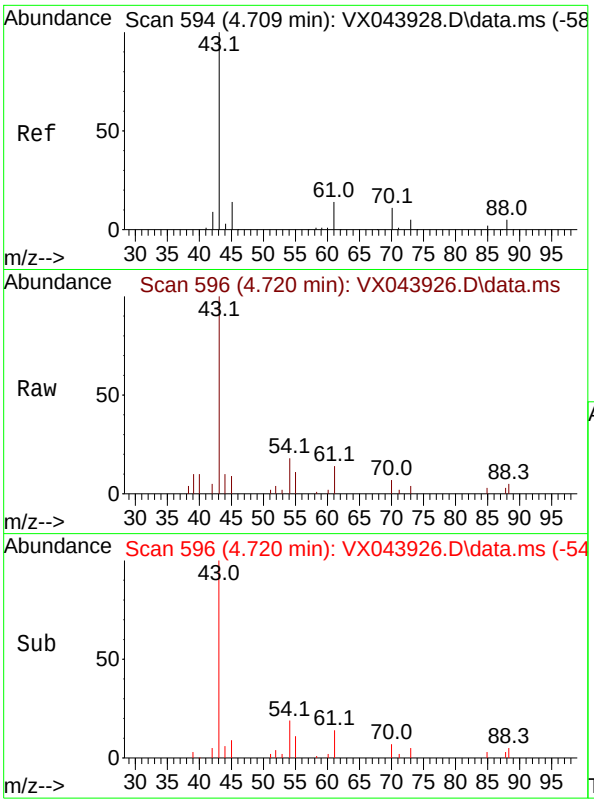




#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 11406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 37.4 | 17.4 | 52.2 |
| 77 | 31.6 | 25.8 | 38.8 |



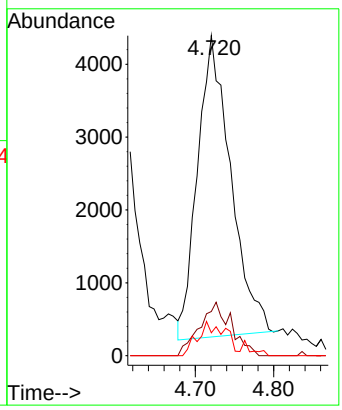


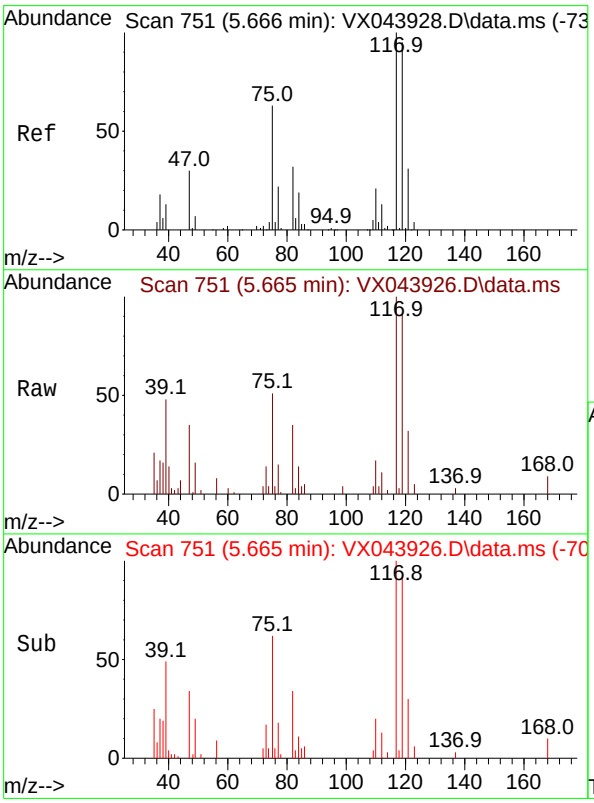

#37
Ethyl Acetate
Concen: 4.158 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 12177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.9 | 10.7 | 16.1# |
| 70 | 9.4 | 8.0 | 12.0 |

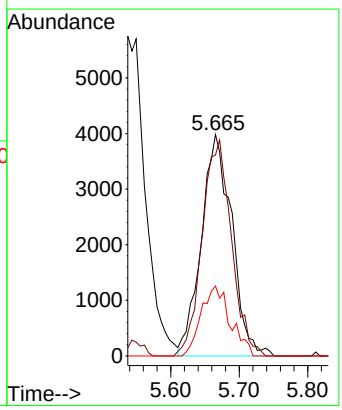


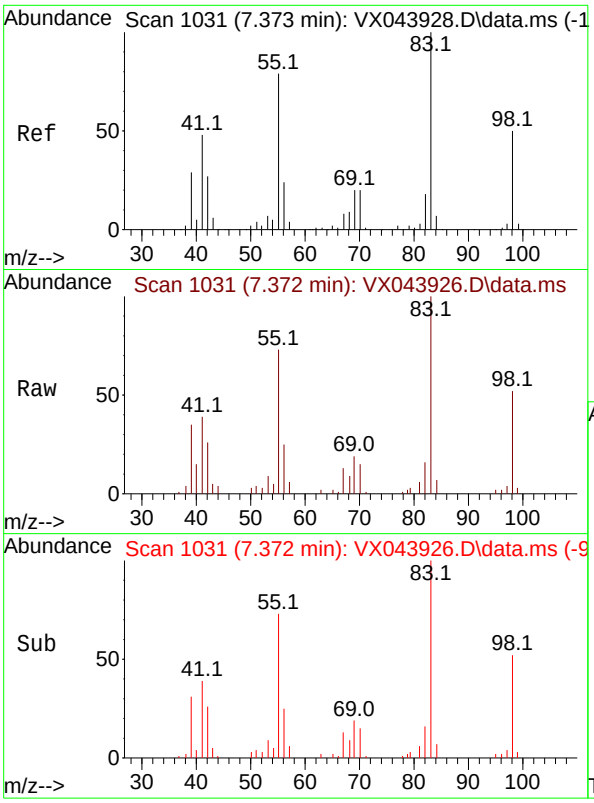




#38
Carbon Tetrachloride
Concen: 4.658 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 12348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 90.7 | 75.2 | 112.8 |
| 121 | 31.5 | 24.5 | 36.7 |



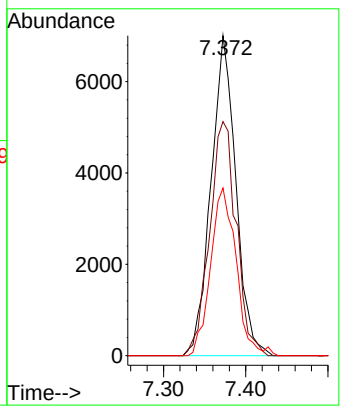


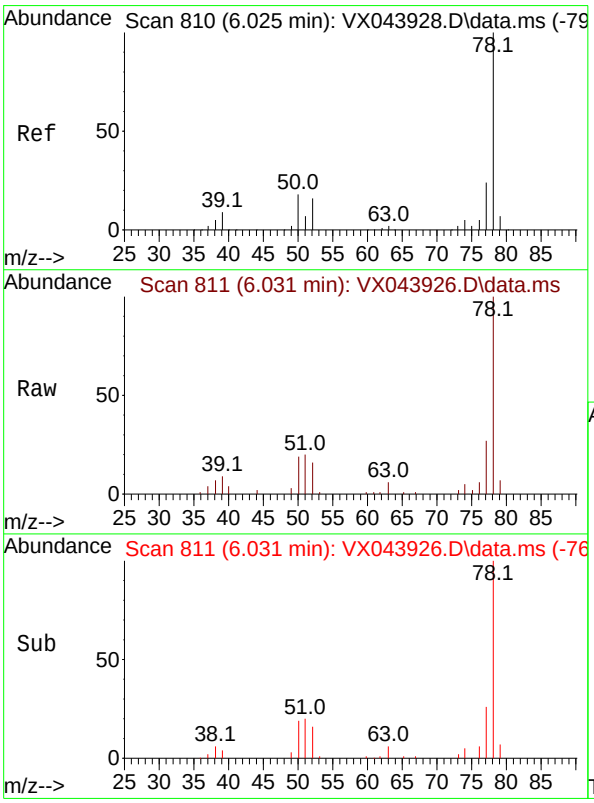

#39
Methylcyclohexane
Concen: 4.803 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 14721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 73.1 | 63.1 | 94.7 |
| 98 | 52.4 | 40.0 | 60.0 |

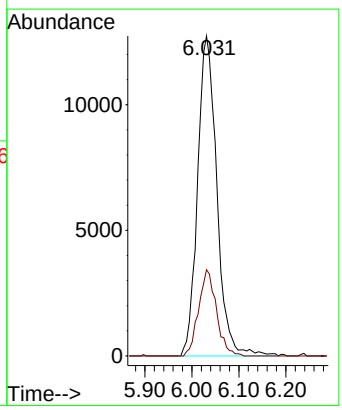


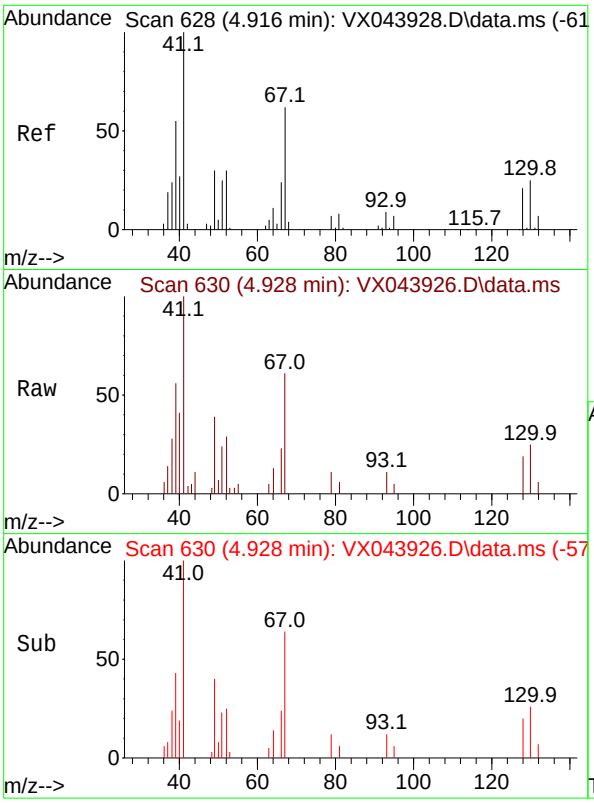




#40
Benzene
Concen: 4.937 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 27.0 | 19.2 | 28.8 |



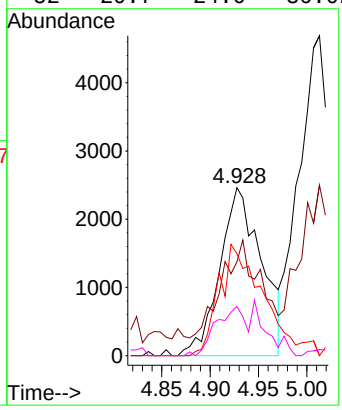


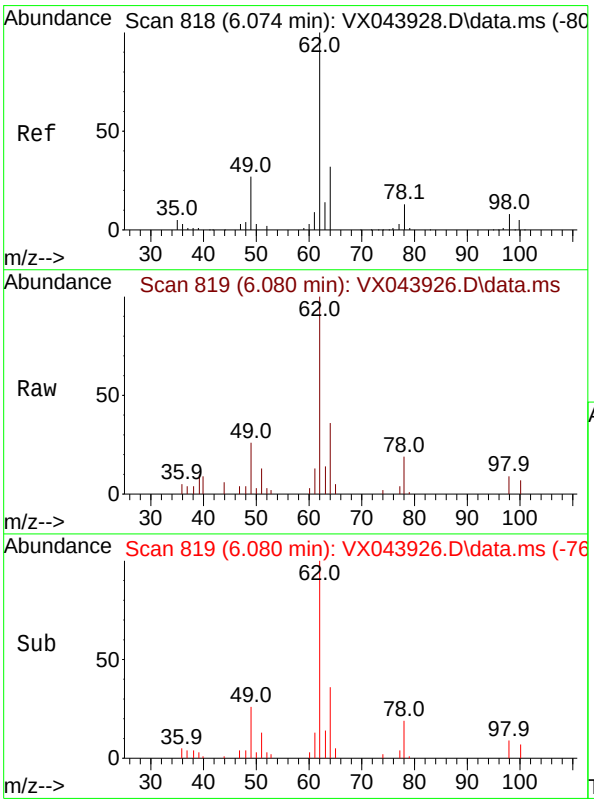

#41
Methacrylonitrile
Concen: 4.907 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 7355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.5 | 41.7 | 62.5 |
| 67 | 72.4 | 55.8 | 83.8 |
| 52 | 20.7 | 24.0 | 36.0# |

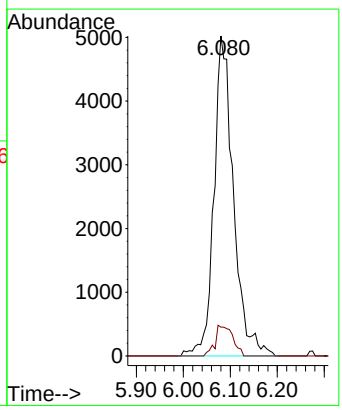


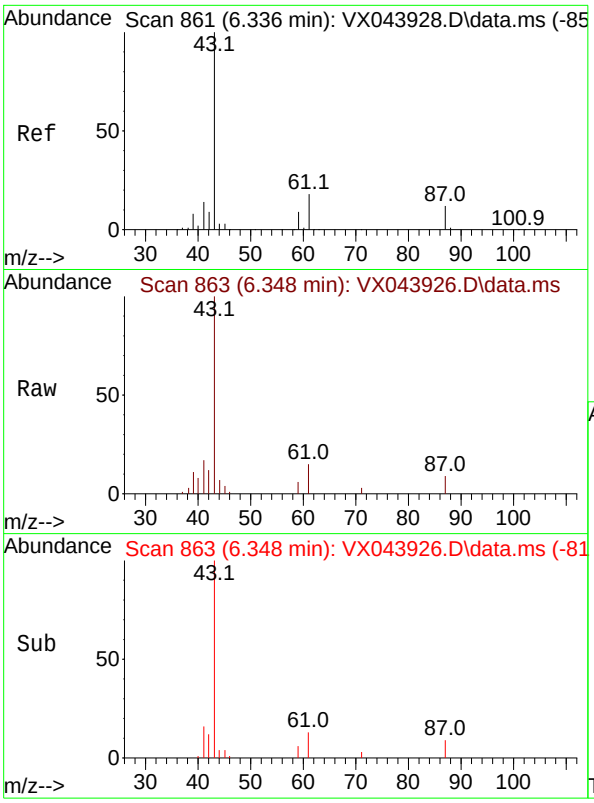




#42
1,2-Dichloroethane
Concen: 4.901 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 14467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 16.4 |



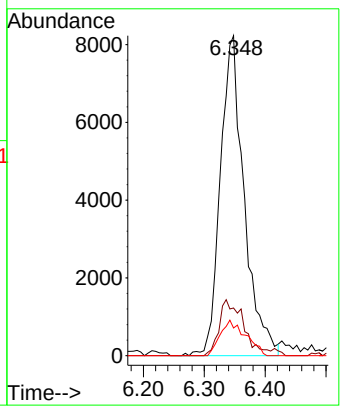


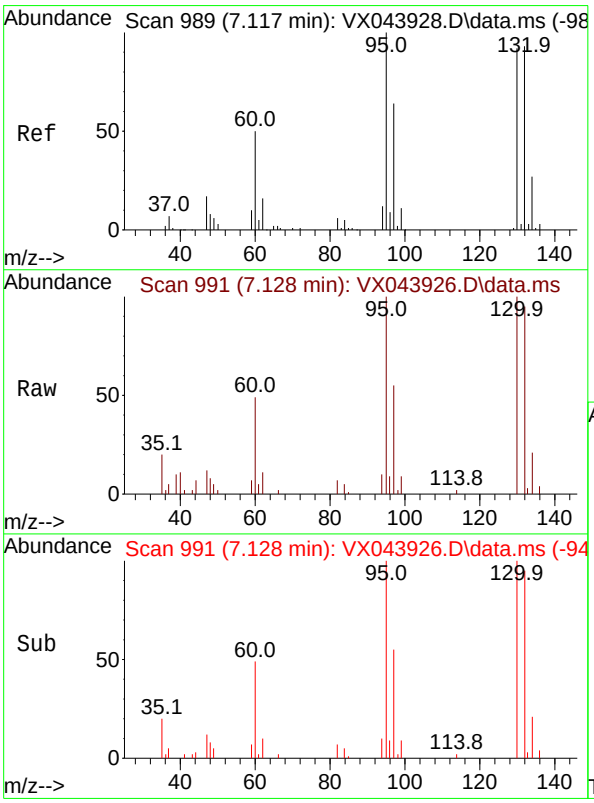

#43
Isopropyl Acetate
Concen: 4.777 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 22267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 11.9 | 10.2 | 15.2 |

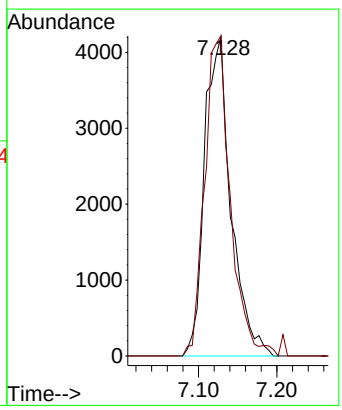


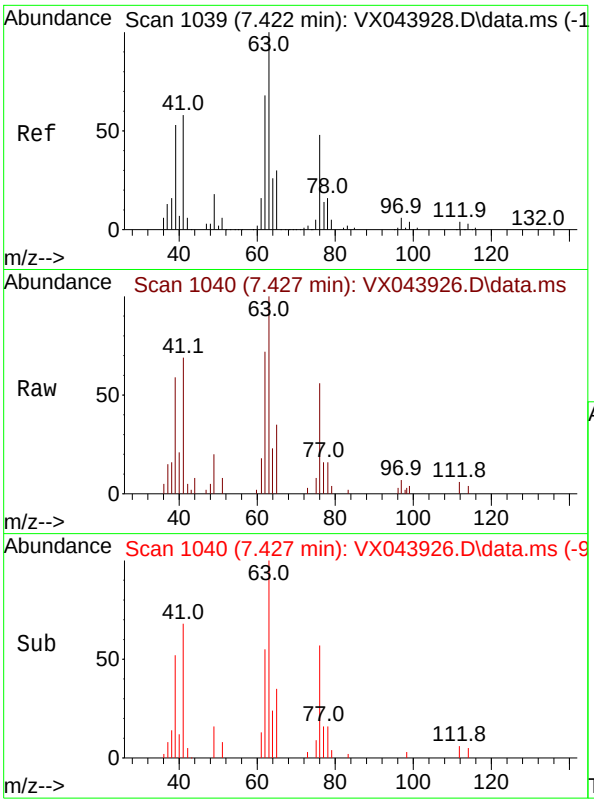




#44
Trichloroethene
Concen: 4.736 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.3 | 0.0 | 217.8 |



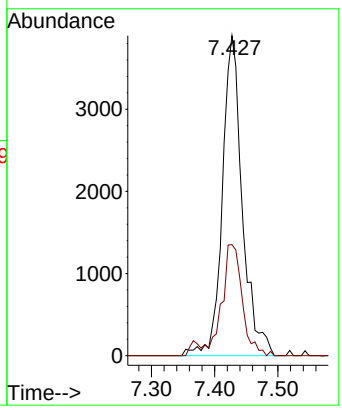


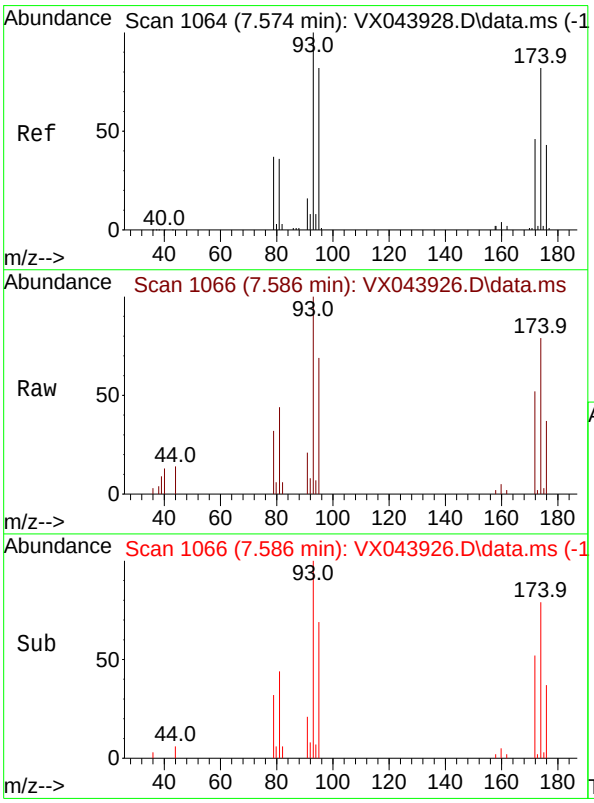

#45
1,2-Dichloropropane
Concen: 4.736 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 8525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.7 | 23.8 | 35.6 |

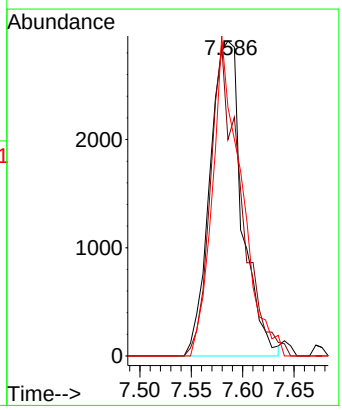


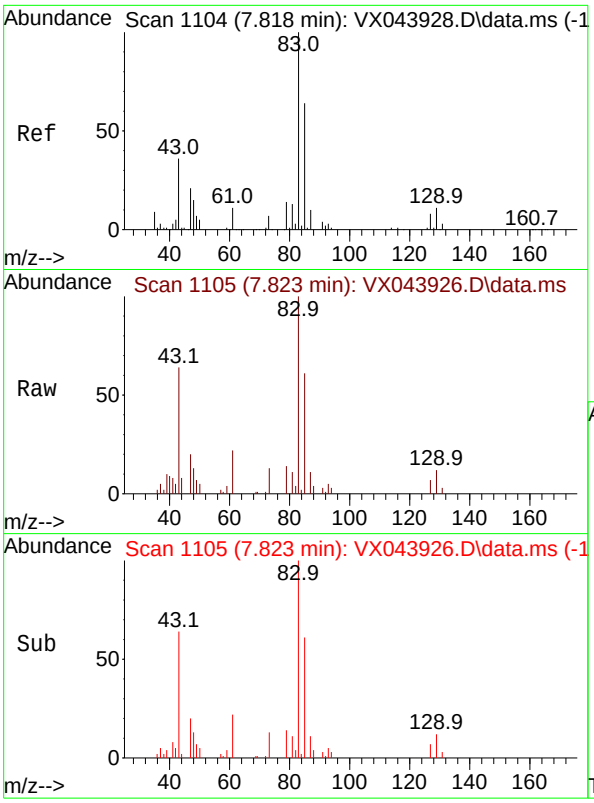




#46
Dibromomethane
Concen: 4.475 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 93 Resp: 6372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 92.5 | 66.2 | 99.4 |
| 174 | 90.3 | 69.6 | 104.4 |



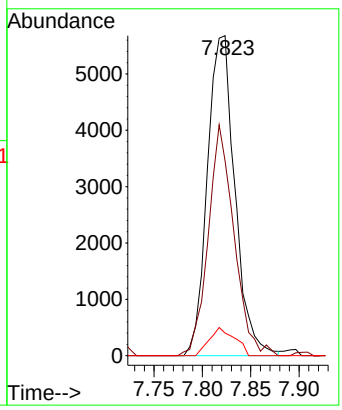


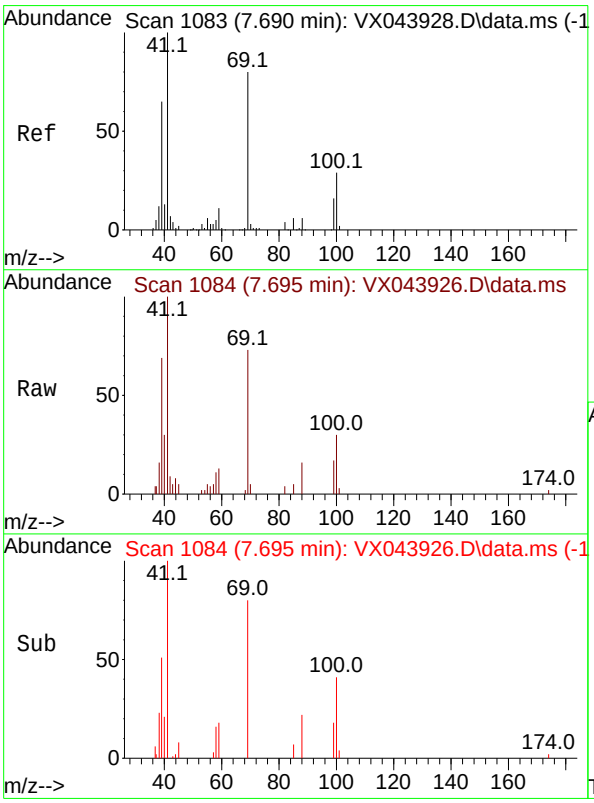

#47
Bromodichloromethane
Concen: 4.405 ug/l
RT: 7.823 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 11249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.8 | 51.4 | 77.0 |
| 127 | 7.1 | 6.6 | 10.0 |

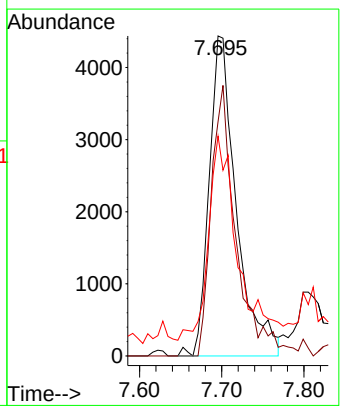


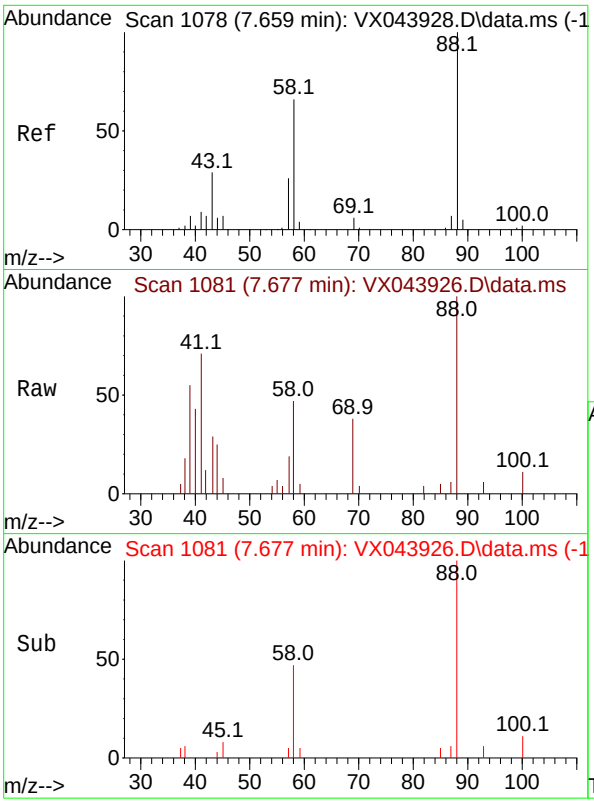




#48
Methyl methacrylate
Concen: 4.556 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.6 | 64.6 | 97.0 |
| 39 | 60.5 | 53.3 | 79.9 |



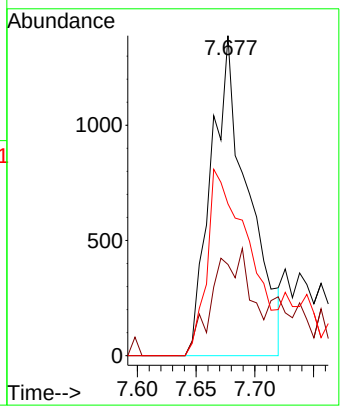


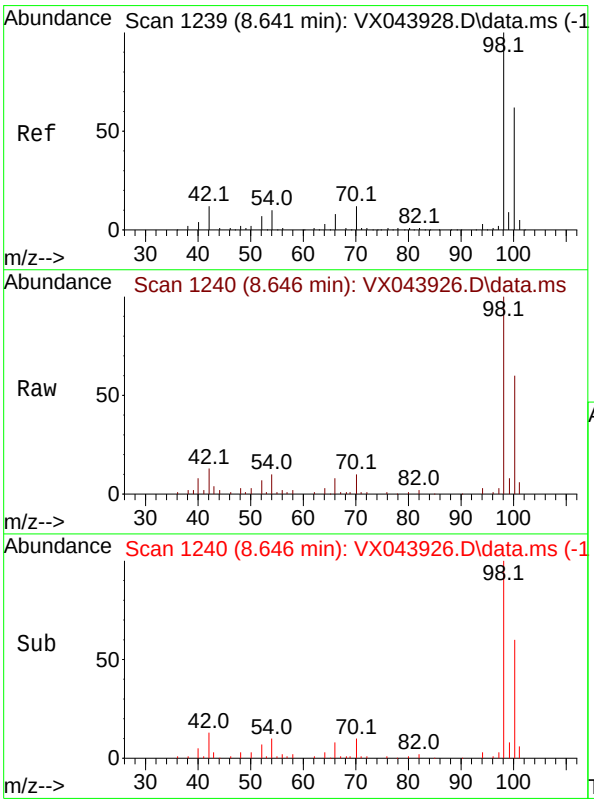

#49
1,4-Dioxane
Concen: 79.255 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 3056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 0.0 | 26.8 | 40.2# |
| 58 | 66.3 | 45.4 | 68.2 |

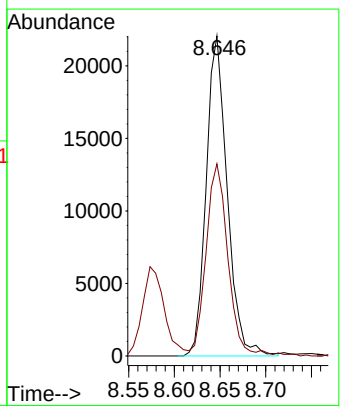


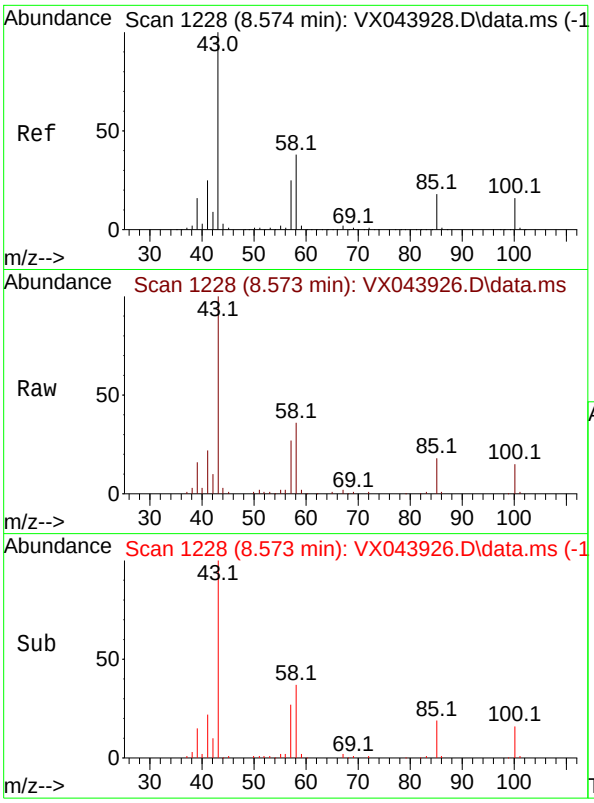




#50
Toluene-d8
Concen: 5.389 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 98 Resp: 35173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 62.7 | 52.6 | 79.0 |



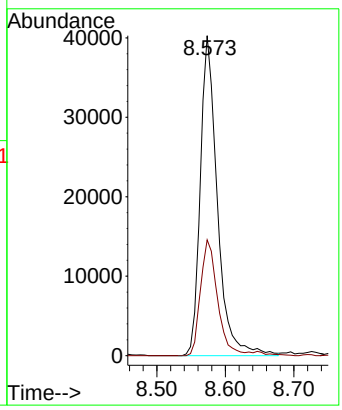


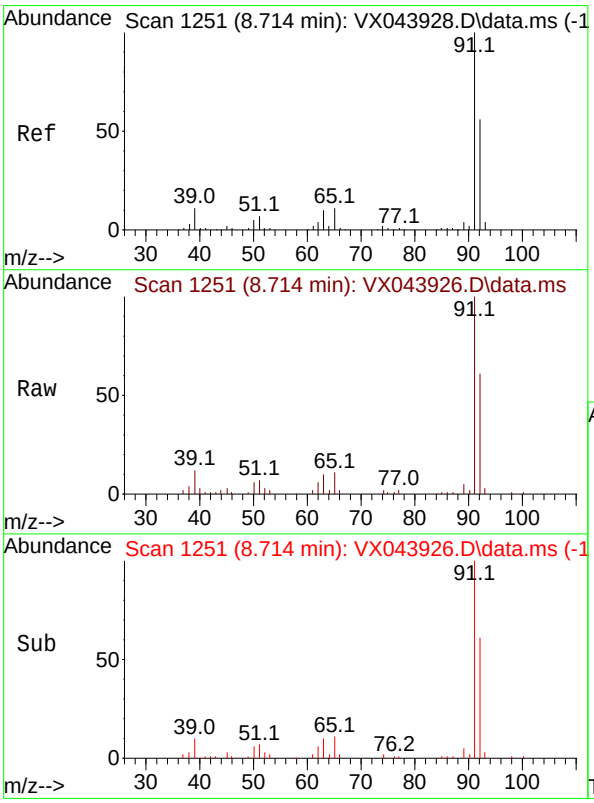

#51
4-Methyl-2-Pentanone
Concen: 24.556 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 69843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.9 | 30.0 | 45.0 |

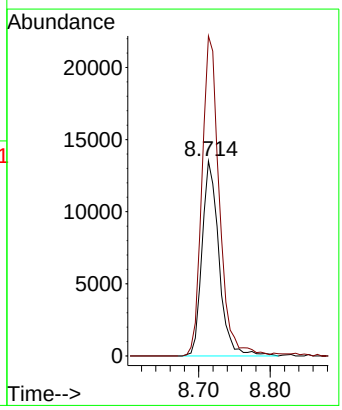


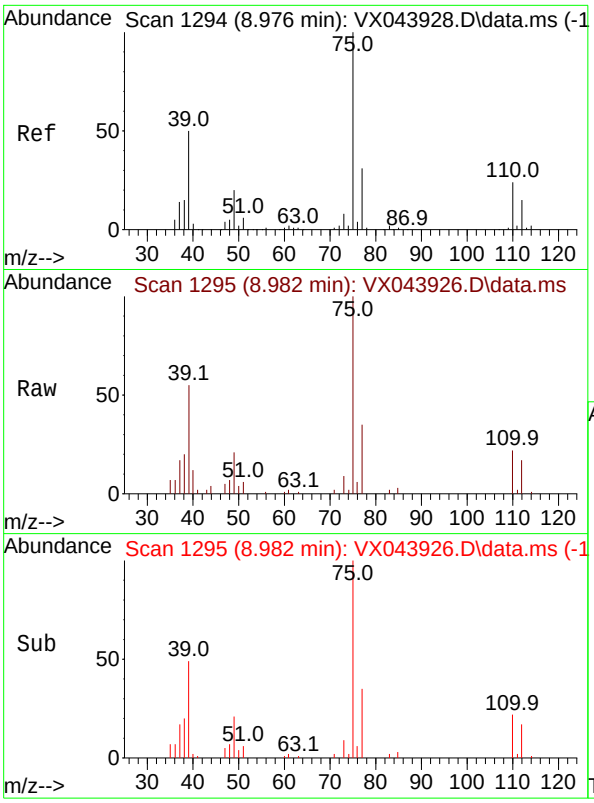




#52
Toluene
Concen: 5.051 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 92 Resp: 22218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 139.7 | 209.5 |



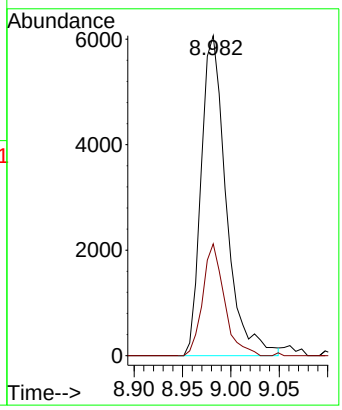


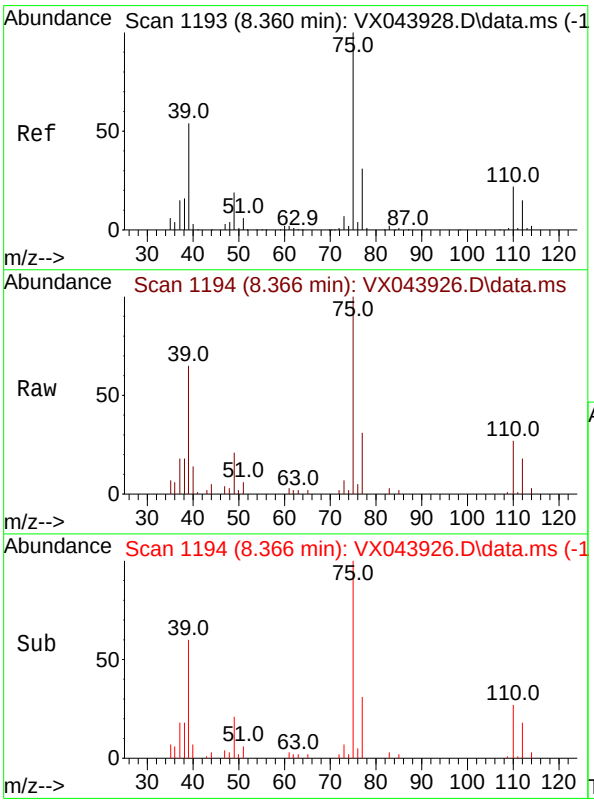

#53
t-1,3-Dichloropropene
Concen: 4.200 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 10937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.0 | 25.1 | 37.7 |

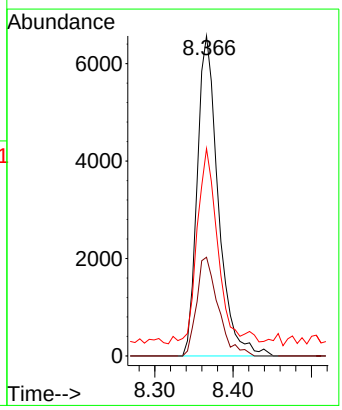


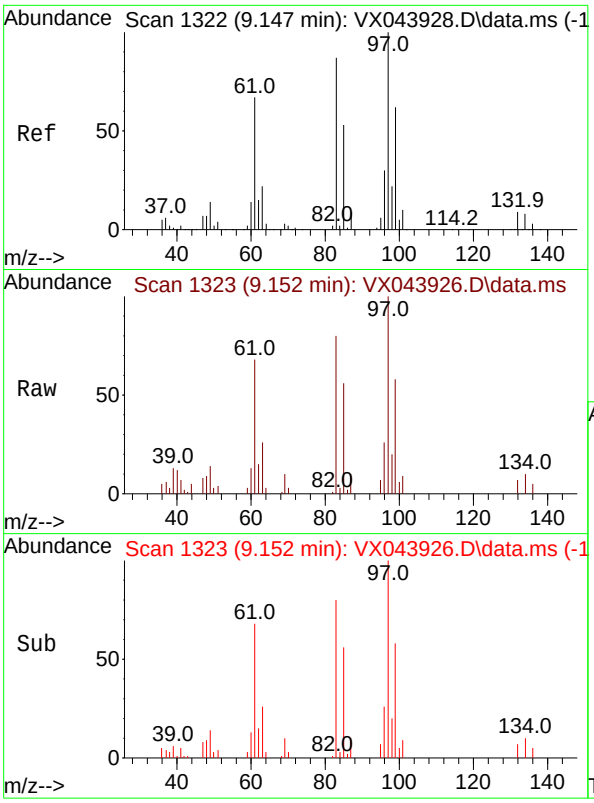




#54
cis-1,3-Dichloropropene
Concen: 4.292 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 12253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 60.0 | 43.1 | 64.7 |



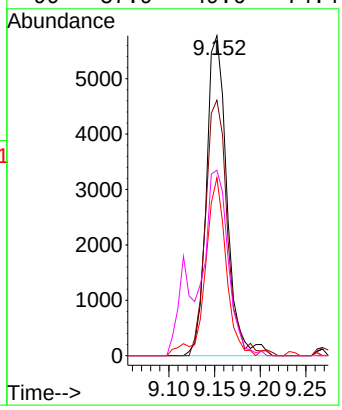


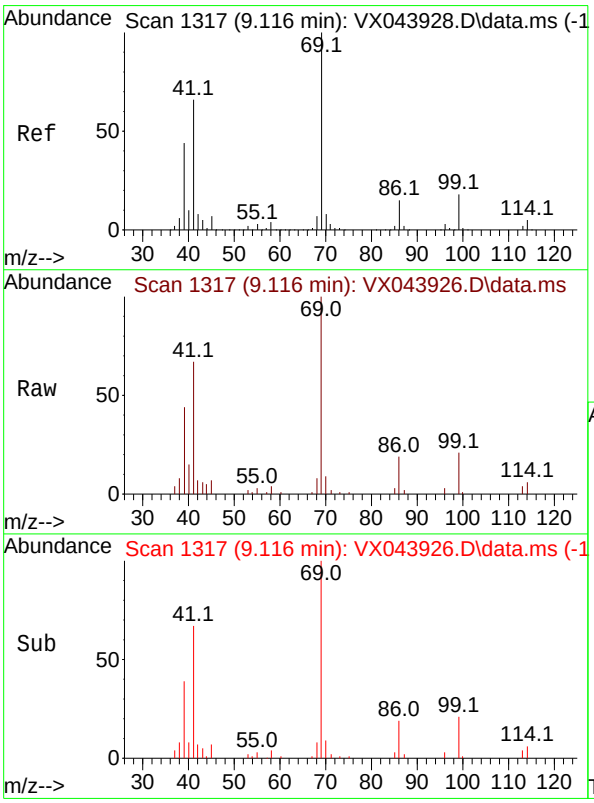

#55
1,1,2-Trichloroethane
Concen: 4.957 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 9000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 79.8 | 69.4 | 104.0 |
| 85 | 55.6 | 42.3 | 63.5 |
| 99 | 57.9 | 49.6 | 74.4 |

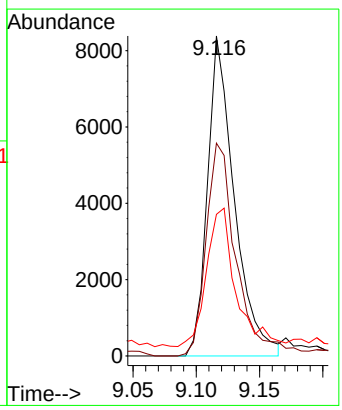


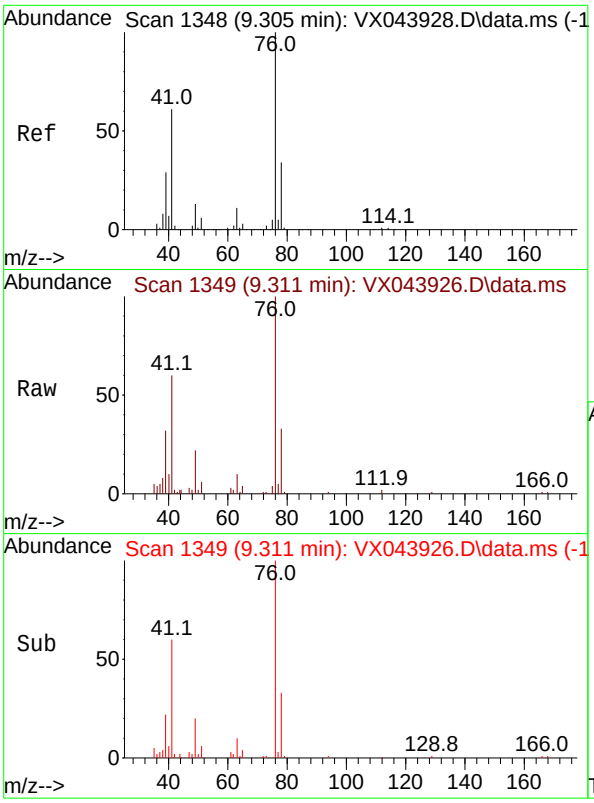




#56
Ethyl methacrylate
Concen: 4.378 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 69 Resp: 12381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 75.0 | 55.8 | 83.8 |
| 39 | 46.7 | 36.7 | 55.1 |



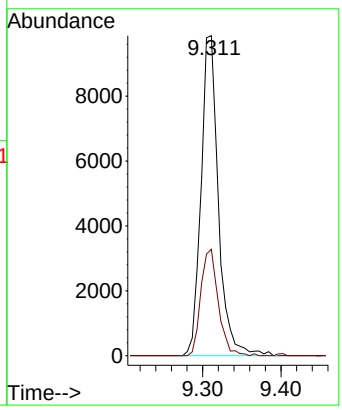


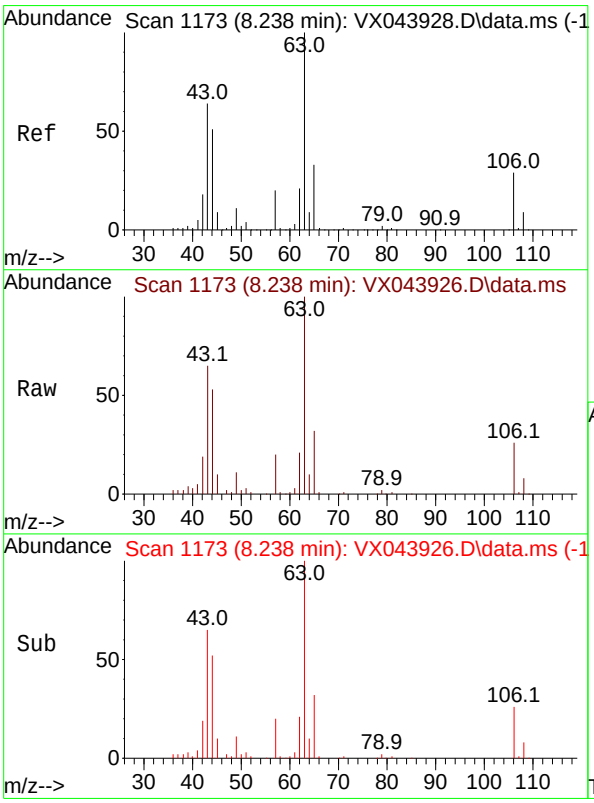

#57
1,3-Dichloropropane
Concen: 4.973 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 15211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.4 | 26.0 | 39.0 |

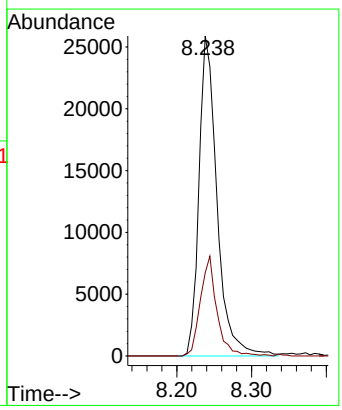


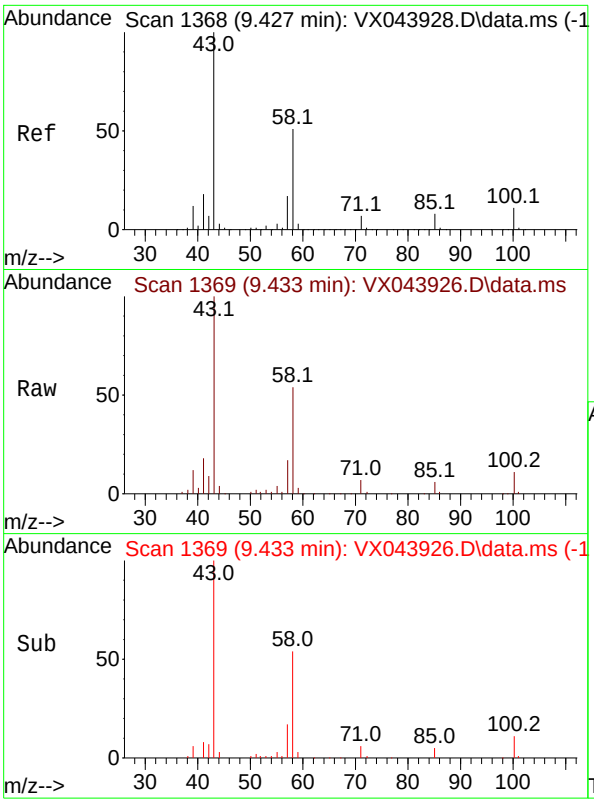




#58
2-Chloroethyl Vinyl ether
Concen: 27.673 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 23.0 | 34.6 |



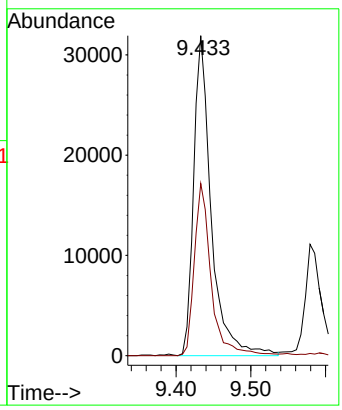


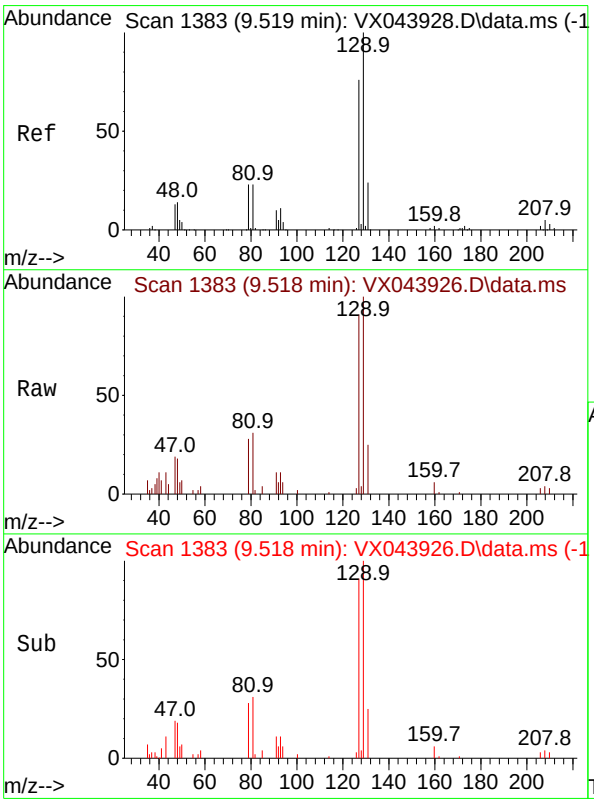

#59
2-Hexanone
Concen: 24.357 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 52072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.4 | 25.9 | 77.6 |

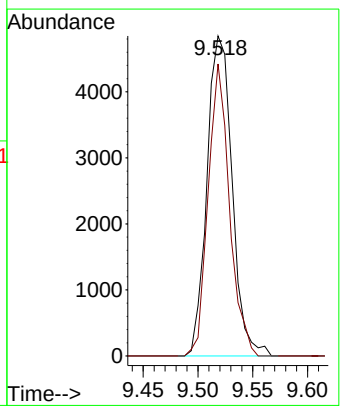


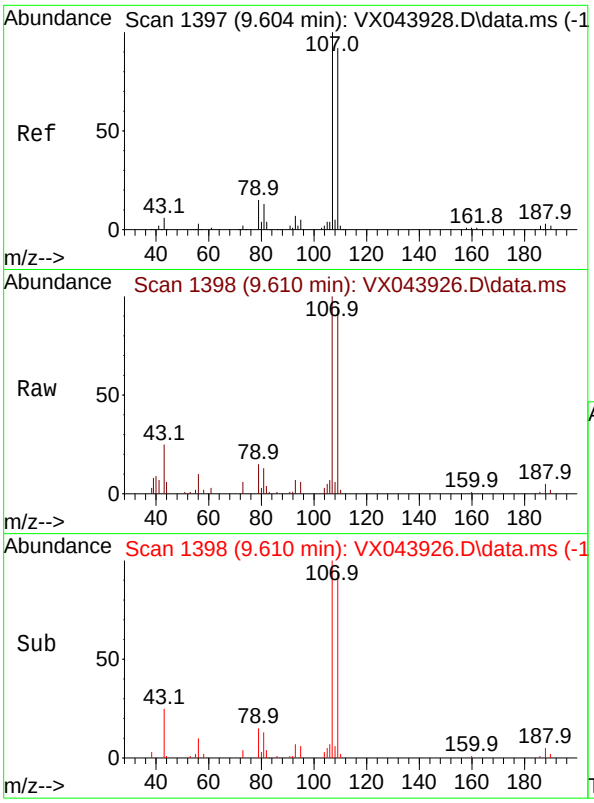




#60
Dibromochloromethane
Concen: 4.247 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:129 Resp: 7738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.2 | 114.6 |



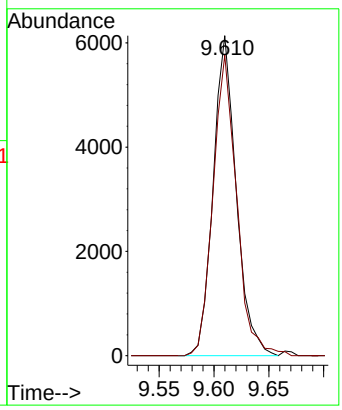


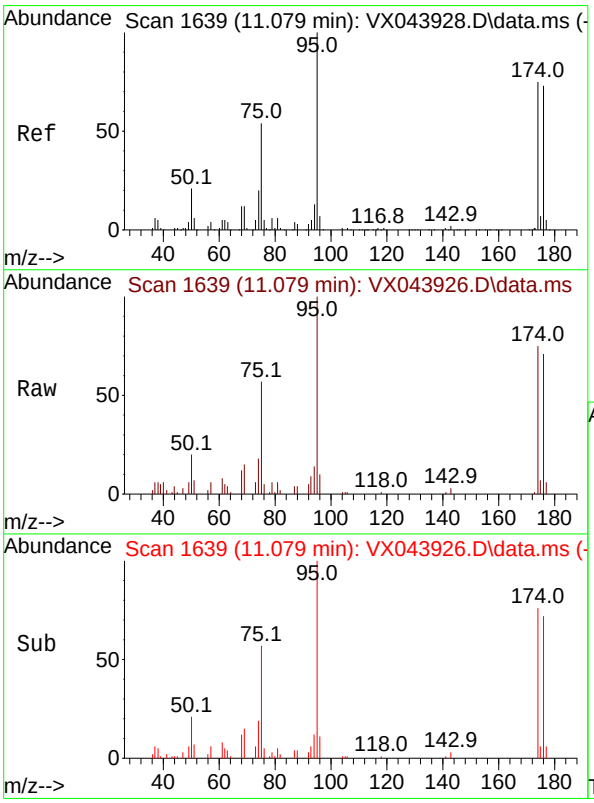

#61
1,2-Dibromoethane
Concen: 4.894 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 8985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 96.2 | 75.2 | 112.8 |

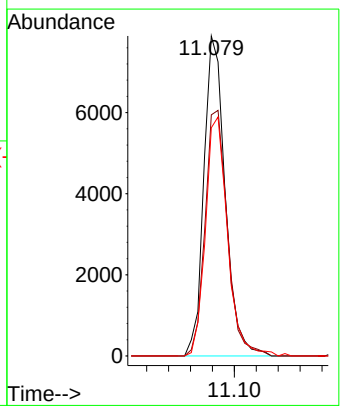


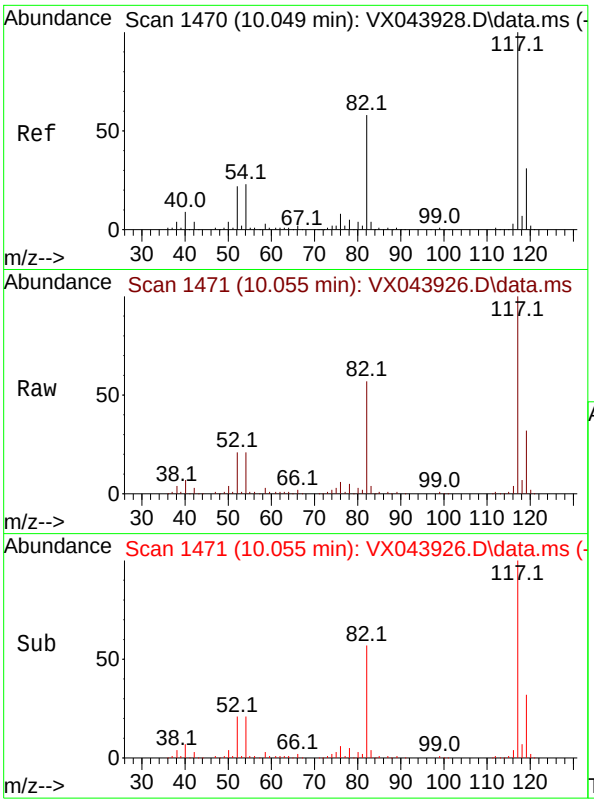




#62
4-Bromofluorobenzene
Concen: 4.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 80.9 | 0.0 | 150.4 |
| 176 | 77.6 | 0.0 | 146.0 |



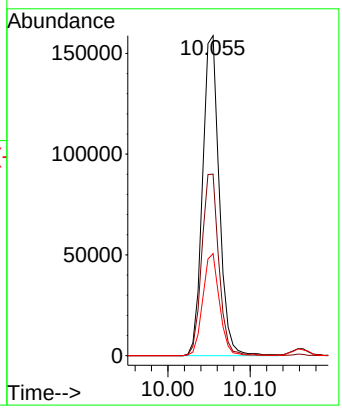


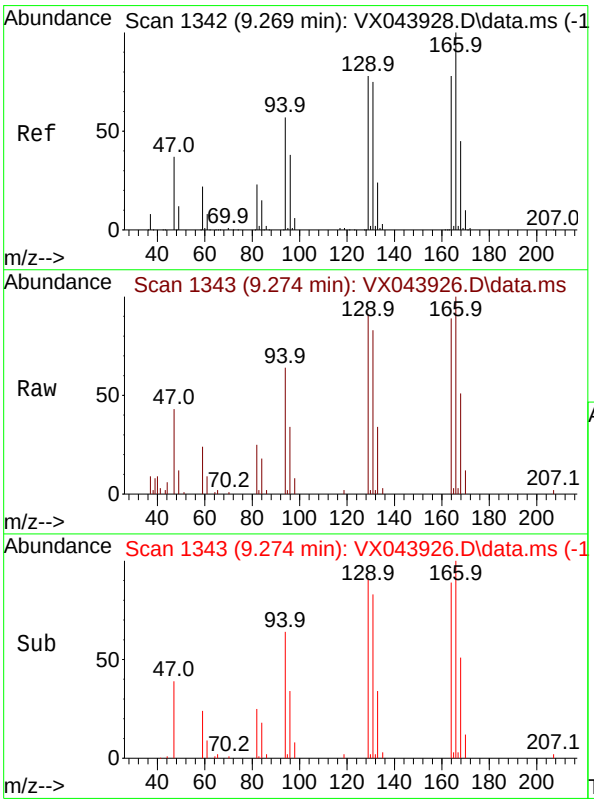

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 223514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.8 | 46.4 | 69.6 |
| 119 | 31.9 | 24.6 | 37.0 |

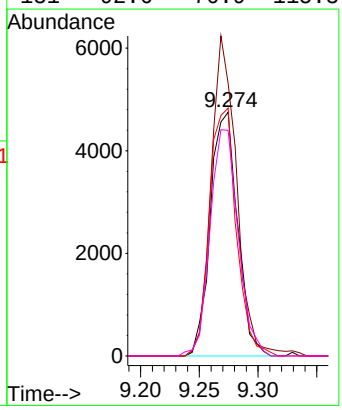


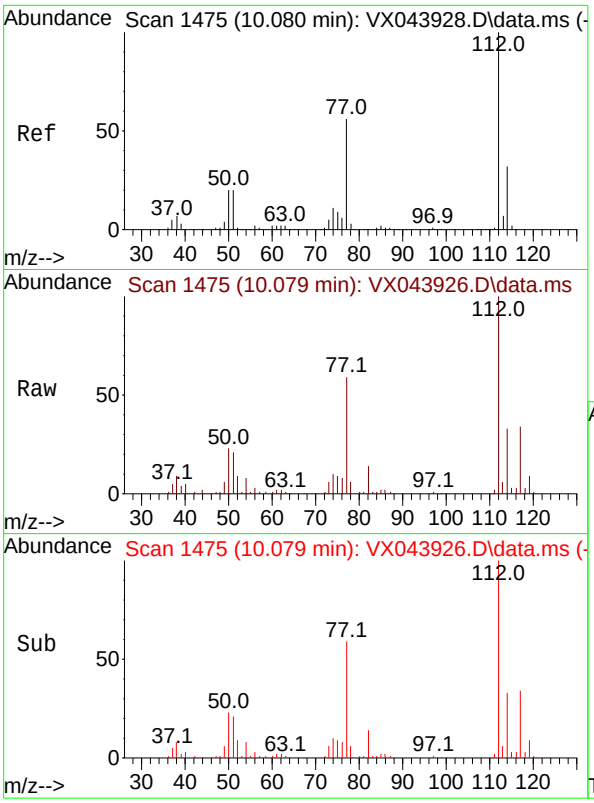




#64
Tetrachloroethene
Concen: 5.185 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 111.9 | 102.1 | 153.1 |
| 129 | 101.7 | 79.6 | 119.4 |
| 131 | 92.6 | 76.9 | 115.3 |



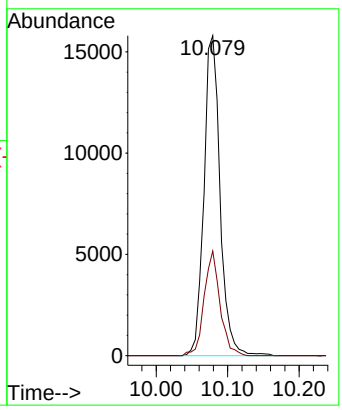


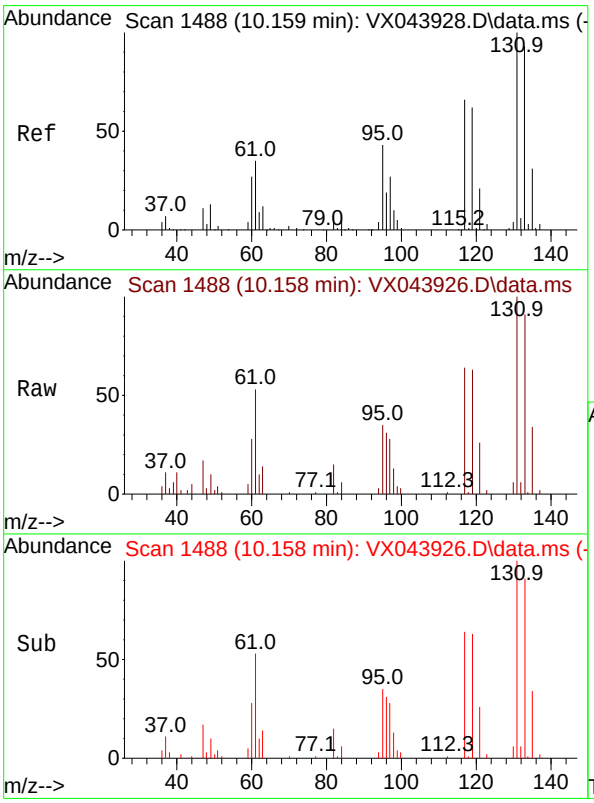

#65
Chlorobenzene
Concen: 5.050 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 24792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.7 | 25.4 | 38.0 |

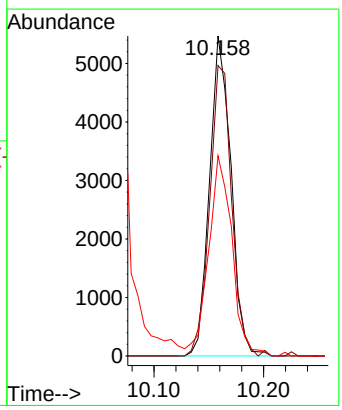


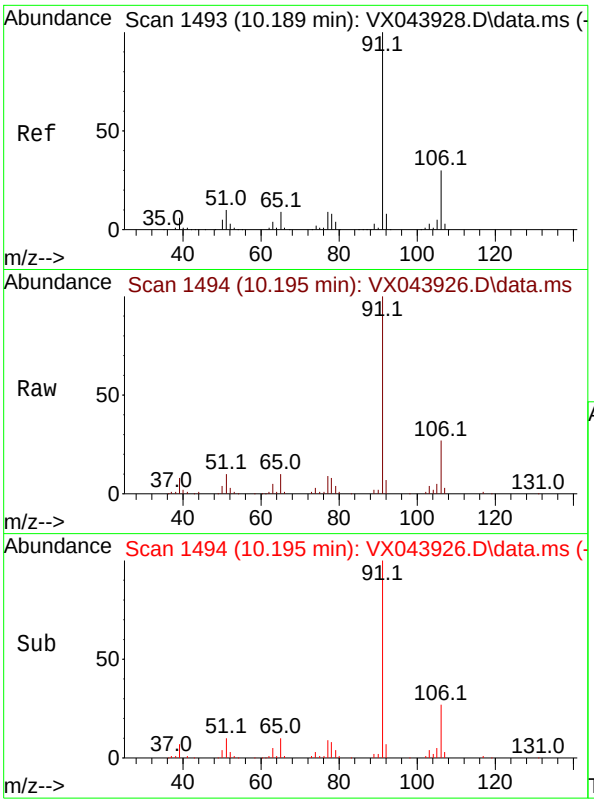




#66
1,1,1,2-Tetrachloroethane
Concen: 4.661 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.1 | 48.2 | 144.6 |
| 119 | 68.3 | 31.5 | 94.5 |



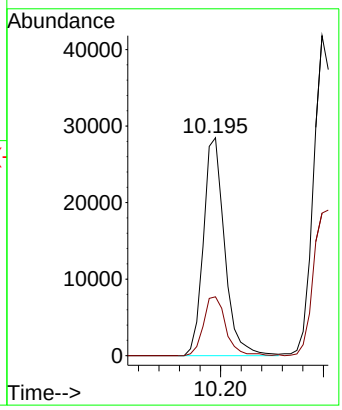


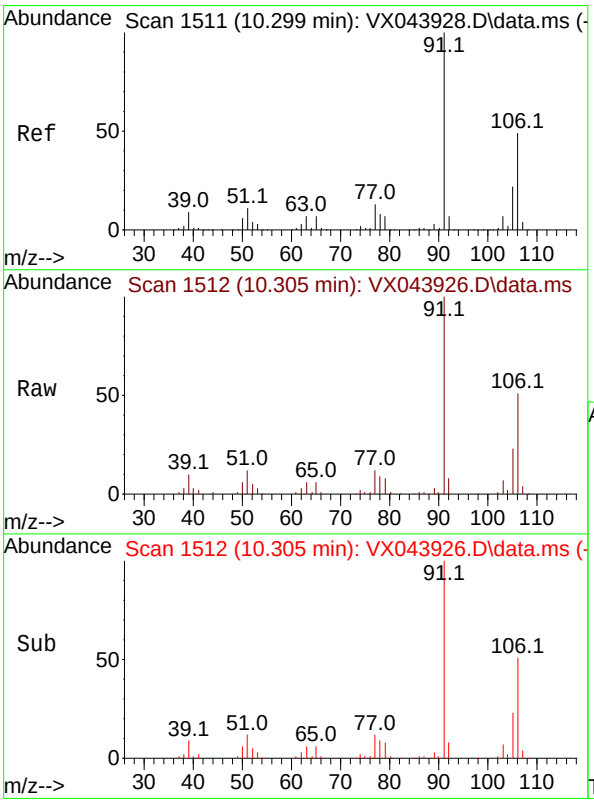

#67
Ethyl Benzene
Concen: 4.920 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 40927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 27.0 | 23.6 | 35.4 |

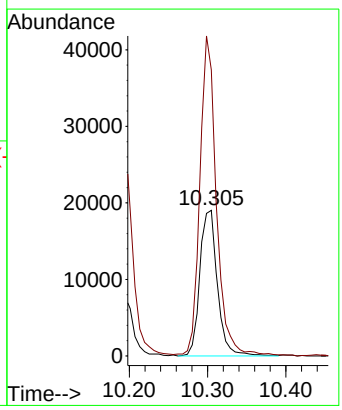


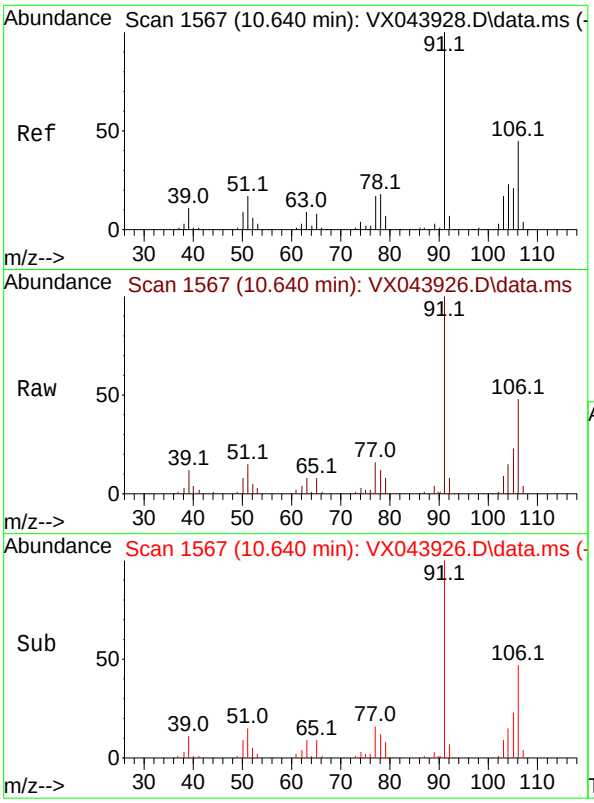




#68
m/p-Xylenes
Concen: 9.553 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:106 Resp: 29635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 168.1 | 252.1 |



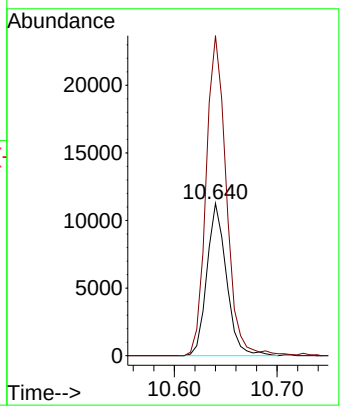


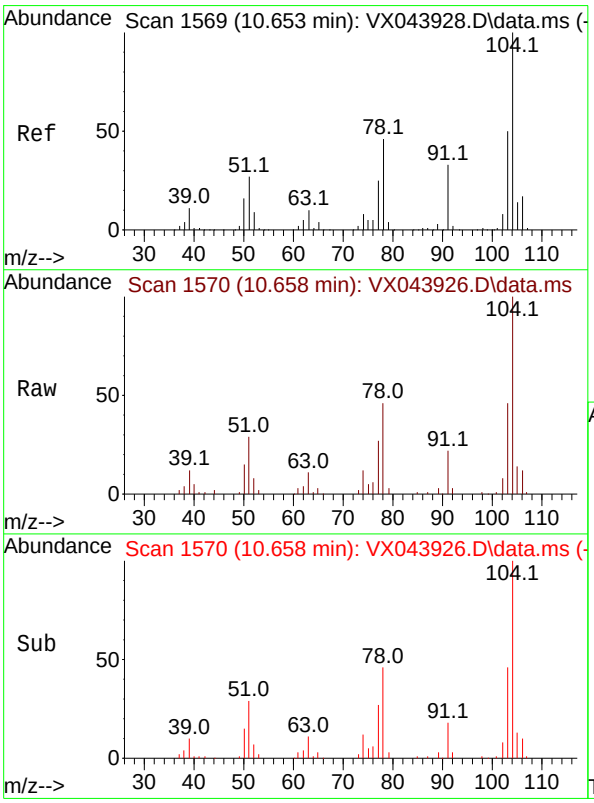

#69
o-Xylene
Concen: 4.905 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 14856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 217.8 | 110.2 | 330.6 |

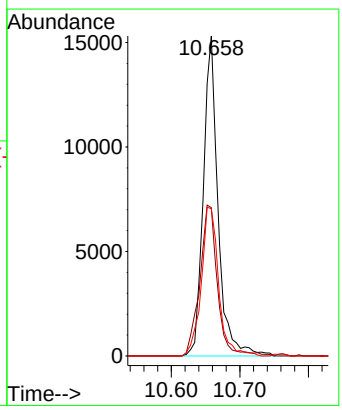


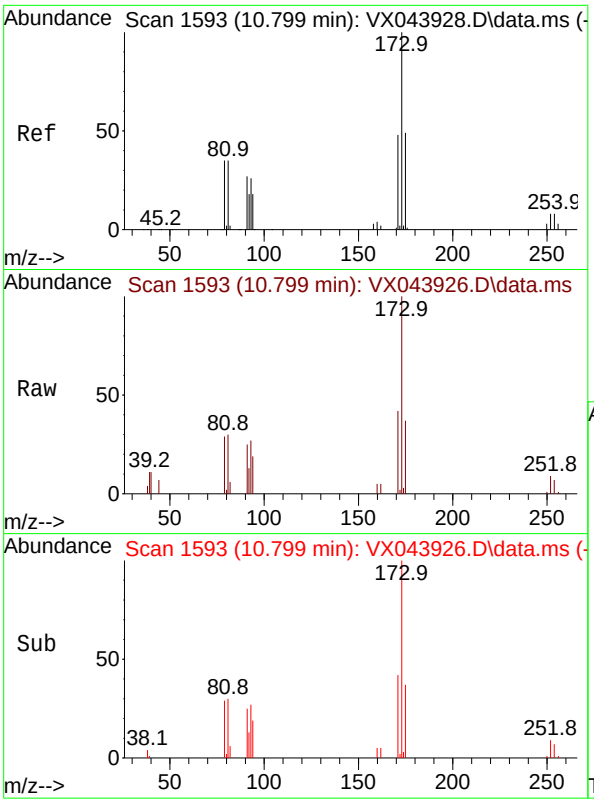




#70
Styrene
Concen: 4.573 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 56.4 | 42.2 | 63.2 |
| 103 | 54.8 | 44.7 | 67.1 |



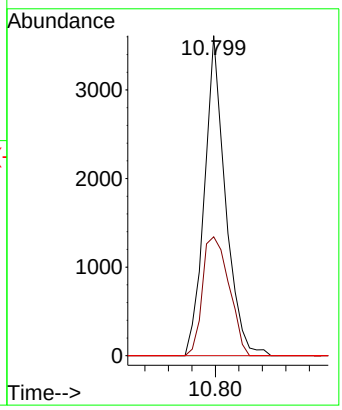


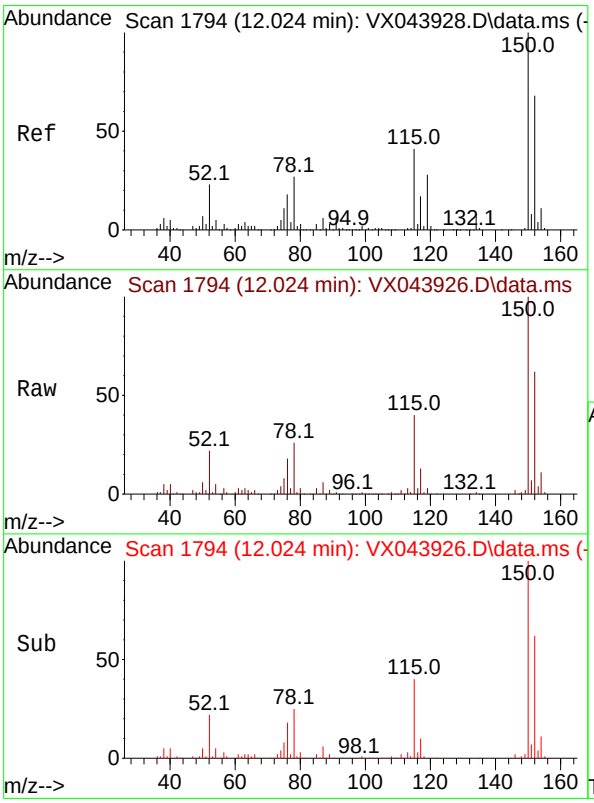

#71
Bromoform
Concen: 5.004 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 4476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

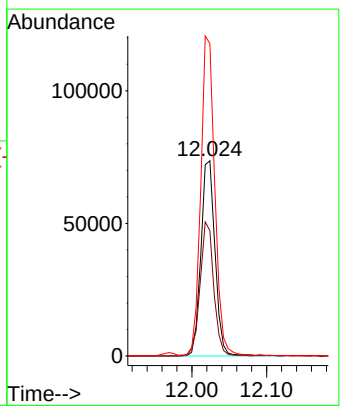


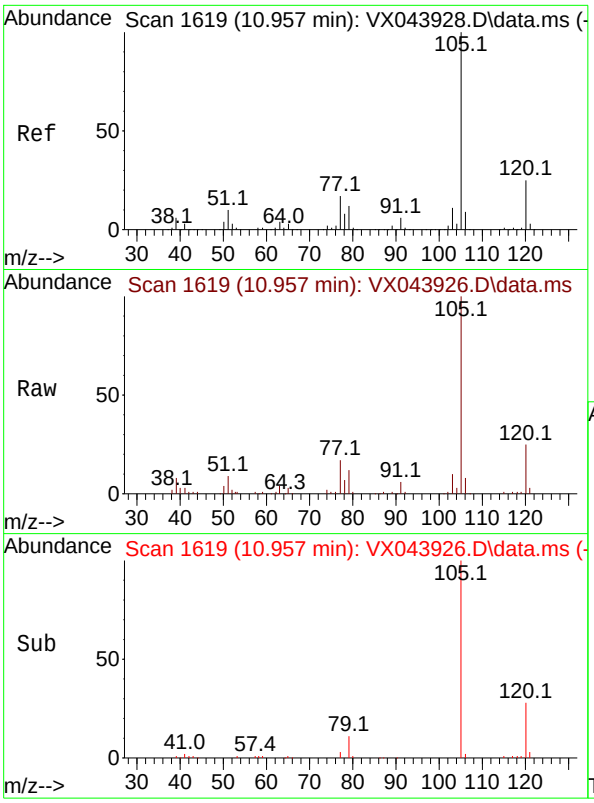




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:152 Resp: 96662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 66.4 | 45.4 | 136.2 |
| 150 | 162.1 | 0.0 | 353.0 |



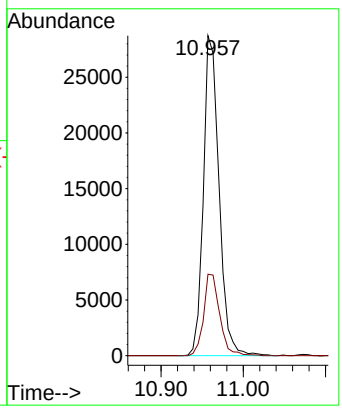


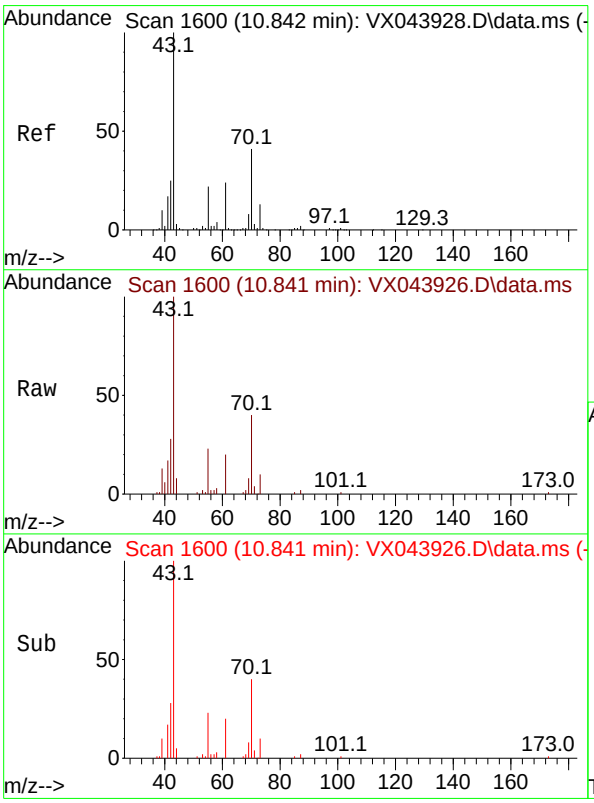

#73
Isopropylbenzene
Concen: 5.109 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 37958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 38.9 |

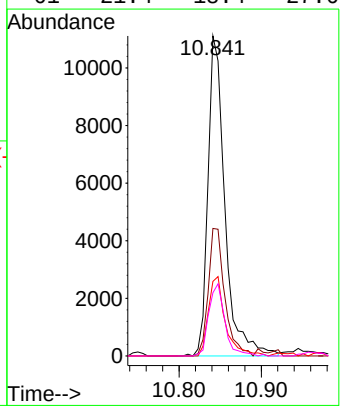


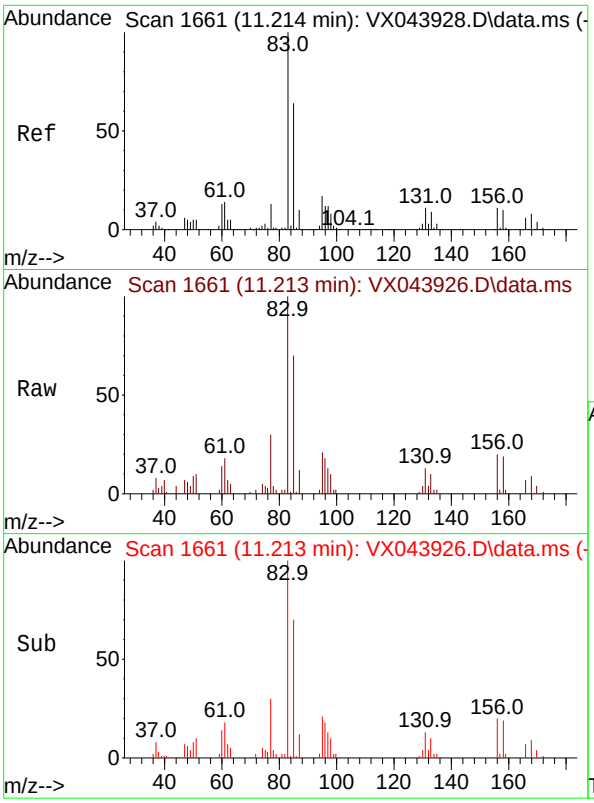




#74
N-amyl acetate
Concen: 4.627 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 38.5 | 32.2 | 48.2 |
| 55 | 24.8 | 18.1 | 27.1 |
| 61 | 21.4 | 18.4 | 27.6 |



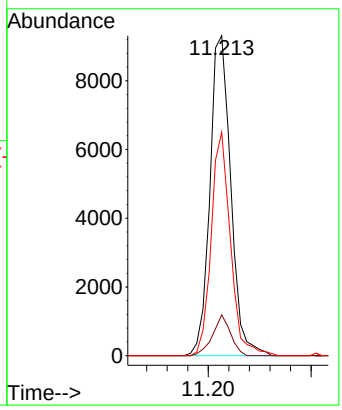


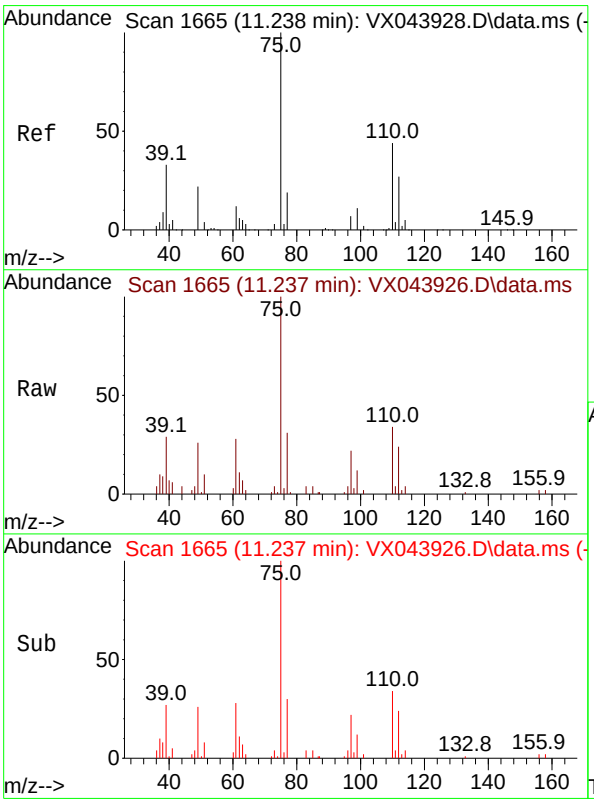

#75
1,1,2,2-Tetrachloroethane
Concen: 5.152 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 13107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 11.0 | 5.1 | 15.2 |
| 85 | 64.3 | 32.2 | 96.6 |

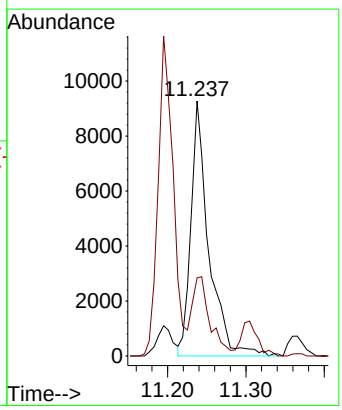


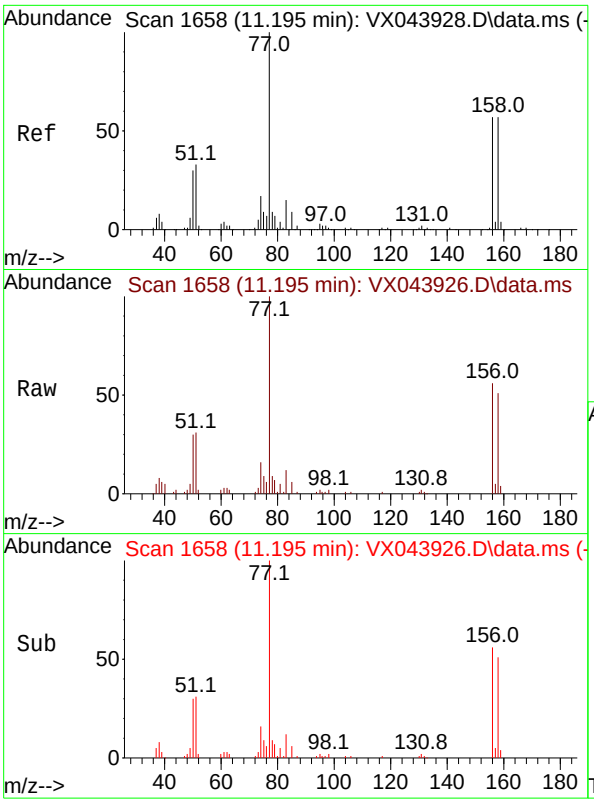




#76
1,2,3-Trichloropropane
Concen: 7.062 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 14721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.5 | 21.8 | 65.3 |



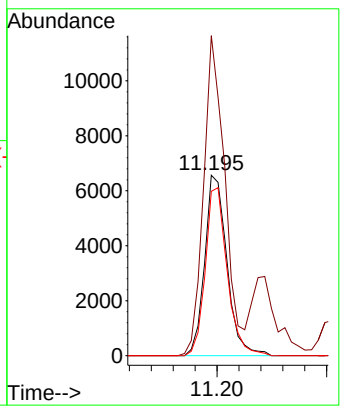


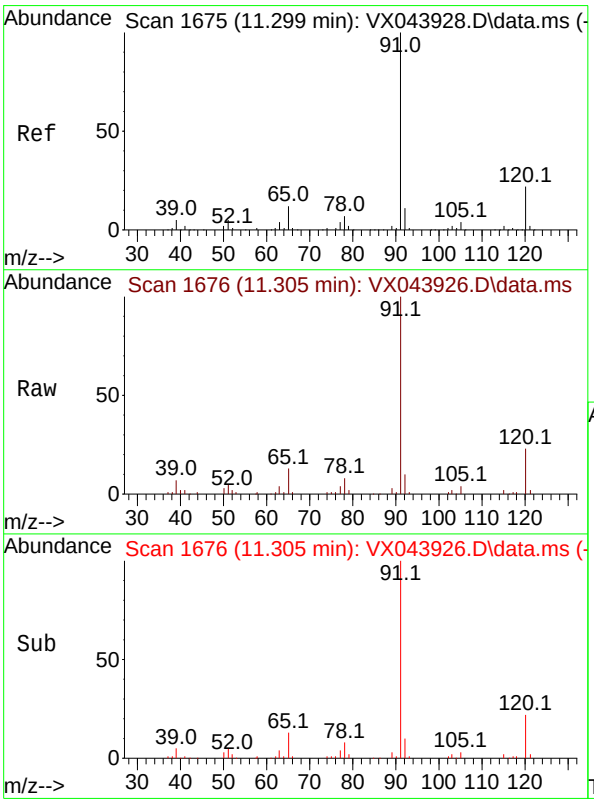

#77
Bromobenzene
Concen: 5.224 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 9259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.5 | 83.4 | 250.1 |
| 158 | 91.6 | 47.6 | 142.8 |

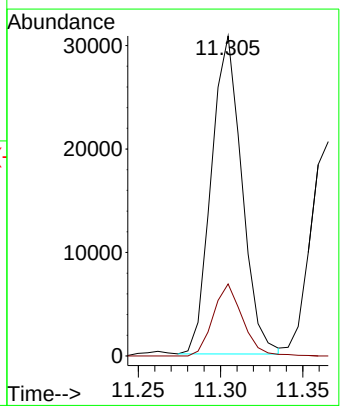


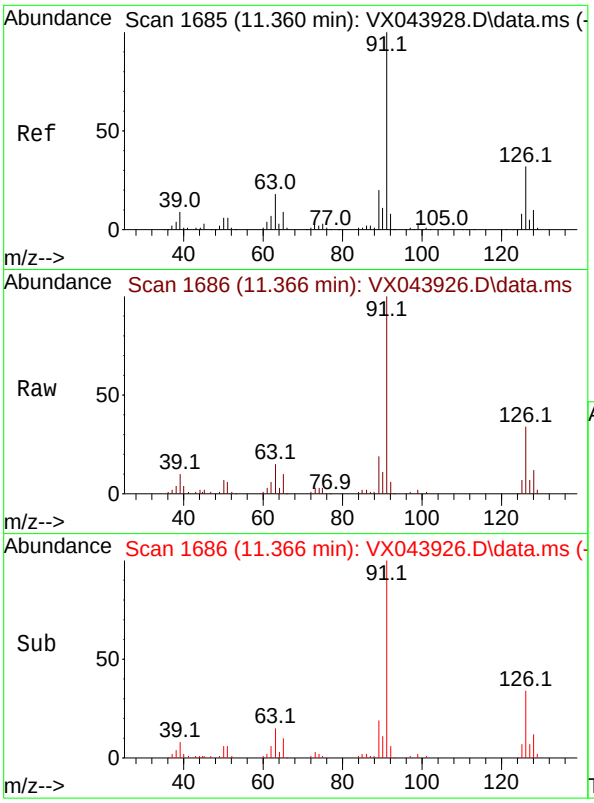




#78
n-propylbenzene
Concen: 4.793 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.7 | 11.5 | 34.4 |



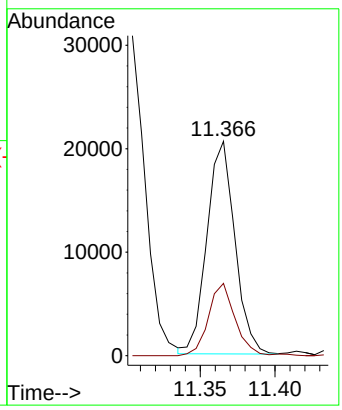


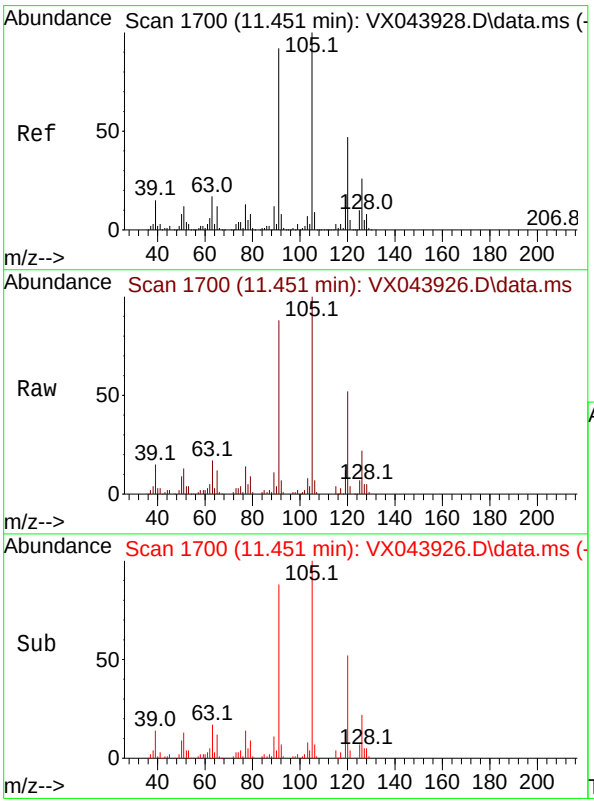

#79
2-Chlorotoluene
Concen: 5.096 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 26740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.6 | 49.8 |

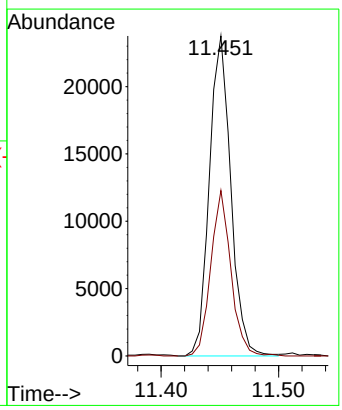


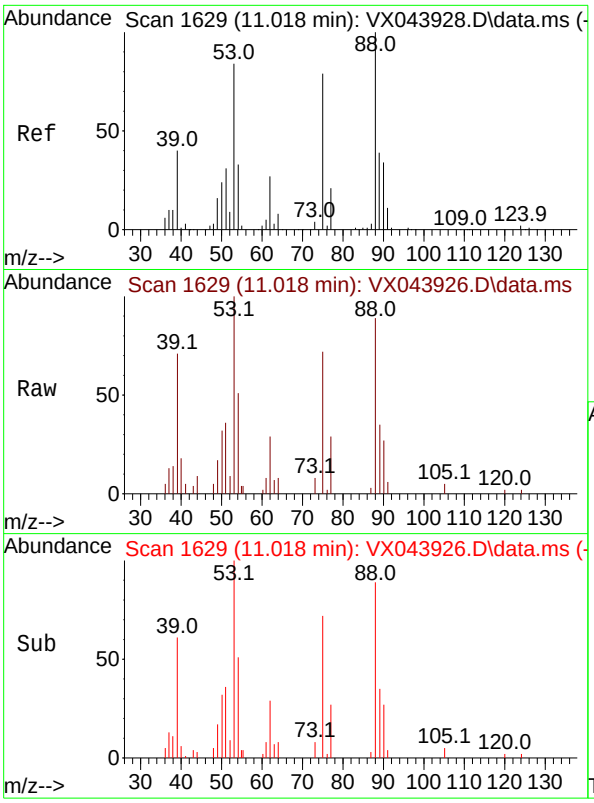




#80
1,3,5-Trimethylbenzene
Concen: 4.926 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.6 | 23.3 | 69.8 |



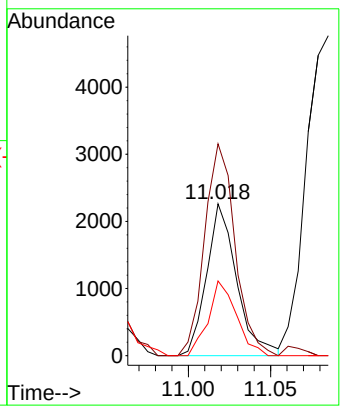


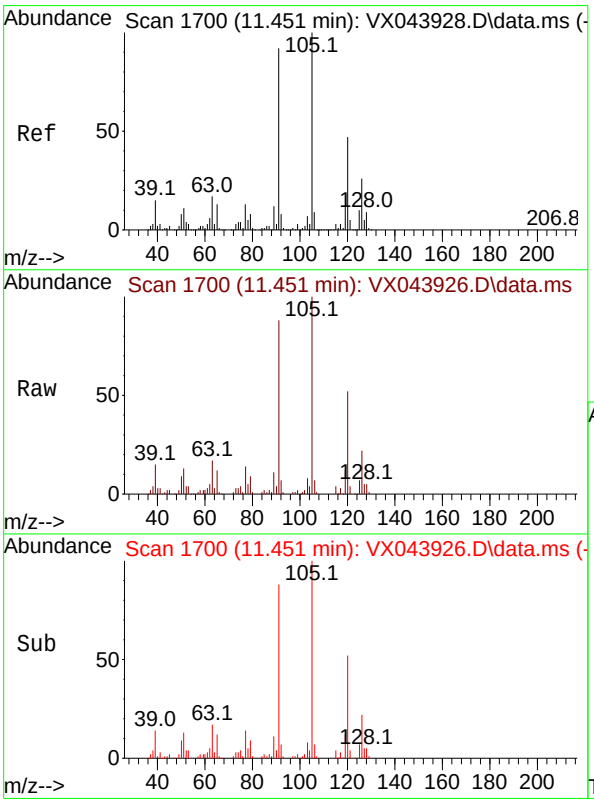

#81
trans-1,4-Dichloro-2-butene
Concen: 3.707 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 2880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 141.1 | 86.7 | 130.1# |
| 89 | 45.9 | 38.2 | 57.2 |

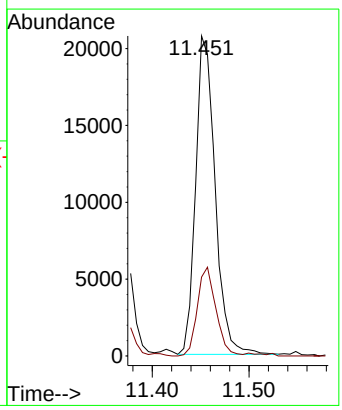


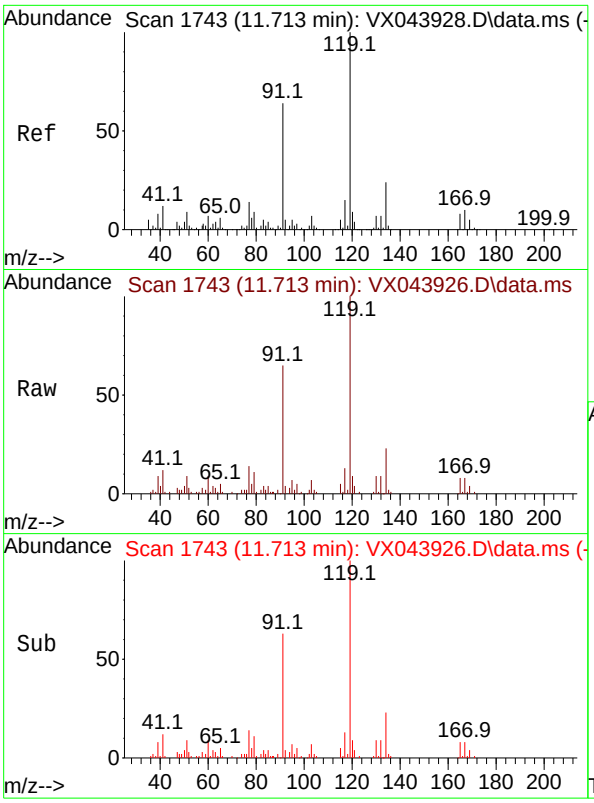




#82
4-Chlorotoluene
Concen: 4.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 26.7 | 14.3 | 42.9 |



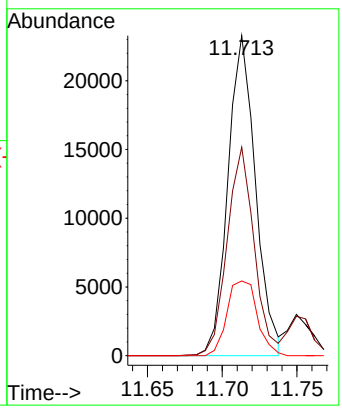


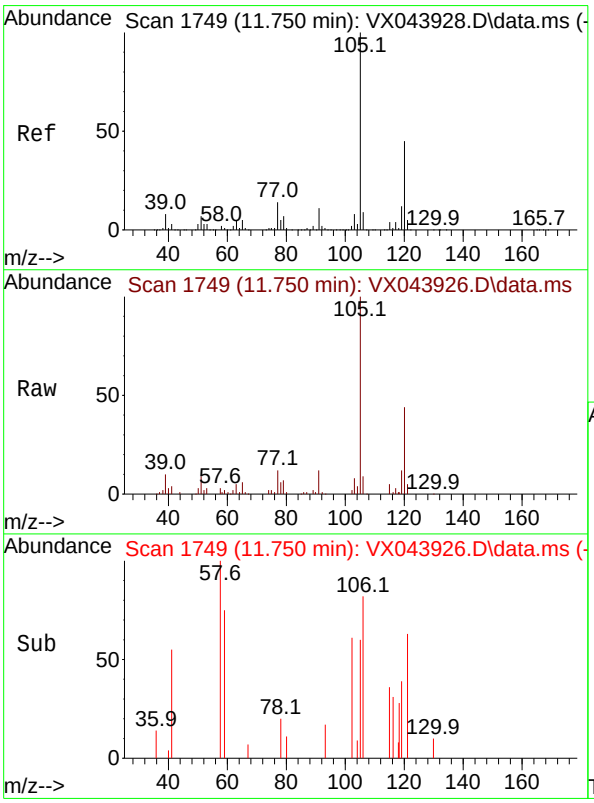

#83
tert-Butylbenzene
Concen: 4.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 29934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.8 | 31.0 | 93.0 |
| 134 | 25.6 | 11.6 | 34.8 |

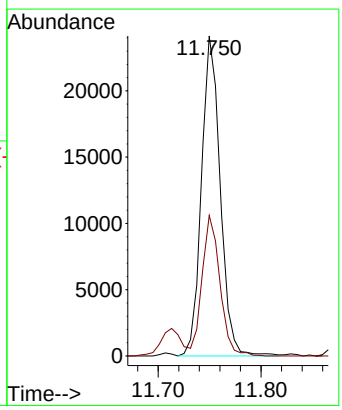


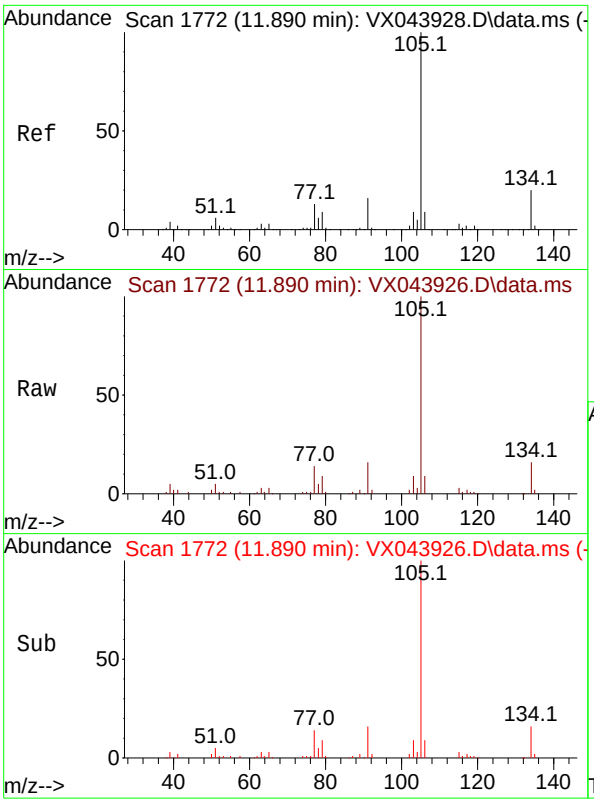




#84
1,2,4-Trimethylbenzene
Concen: 5.040 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:105 Resp: 30674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 41.6 | 21.9 | 65.7 |



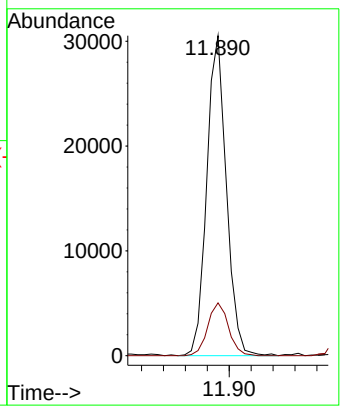


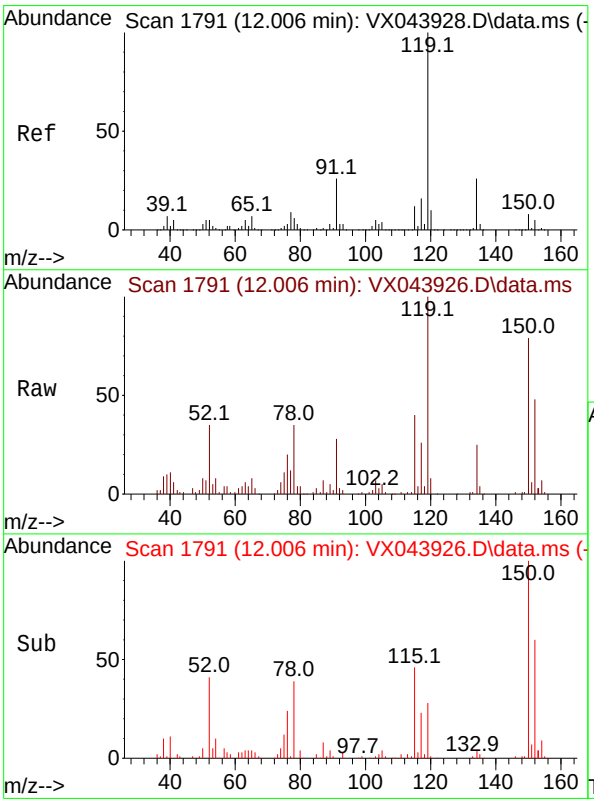

#85
sec-Butylbenzene
Concen: 5.105 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 37899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 17.5 | 9.7 | 29.1 |

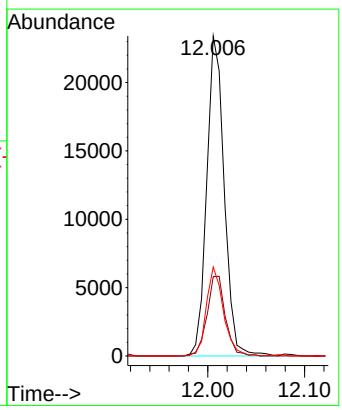


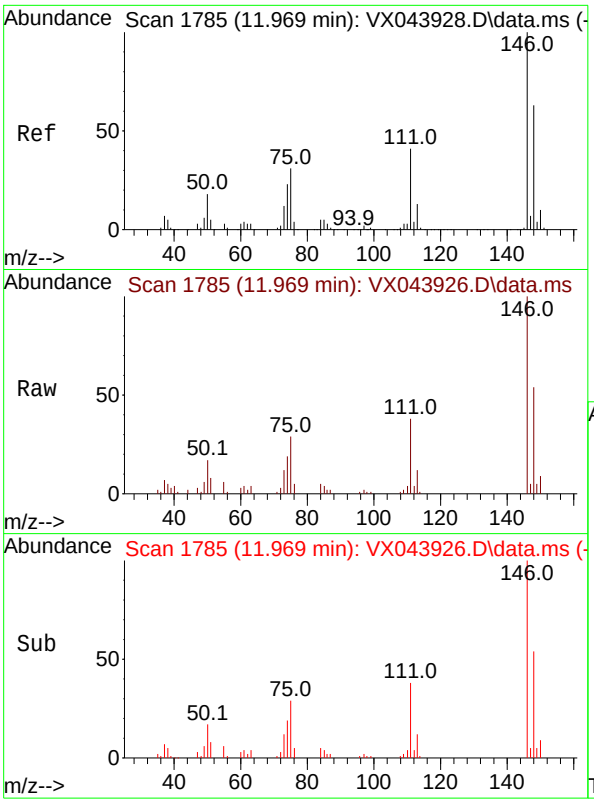




#86
p-Isopropyltoluene
Concen: 4.878 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:119 Resp: 29412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.2 | 13.0 | 38.9 |
| 91 | 27.3 | 13.0 | 38.9 |



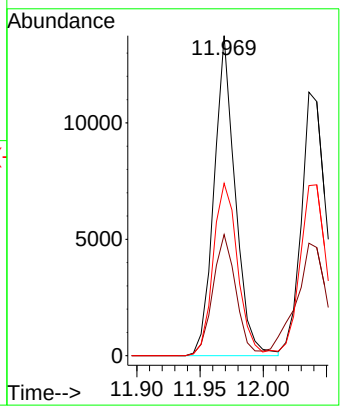


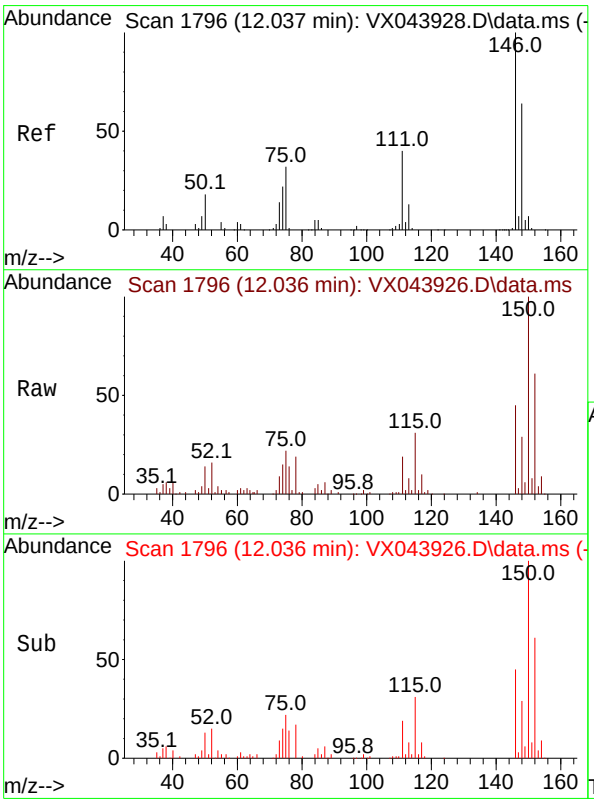

#87
1,3-Dichlorobenzene
Concen: 4.959 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 16008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 21.1 | 63.3 |
| 148 | 62.9 | 31.7 | 95.1 |

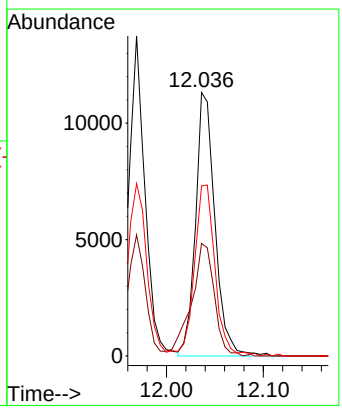


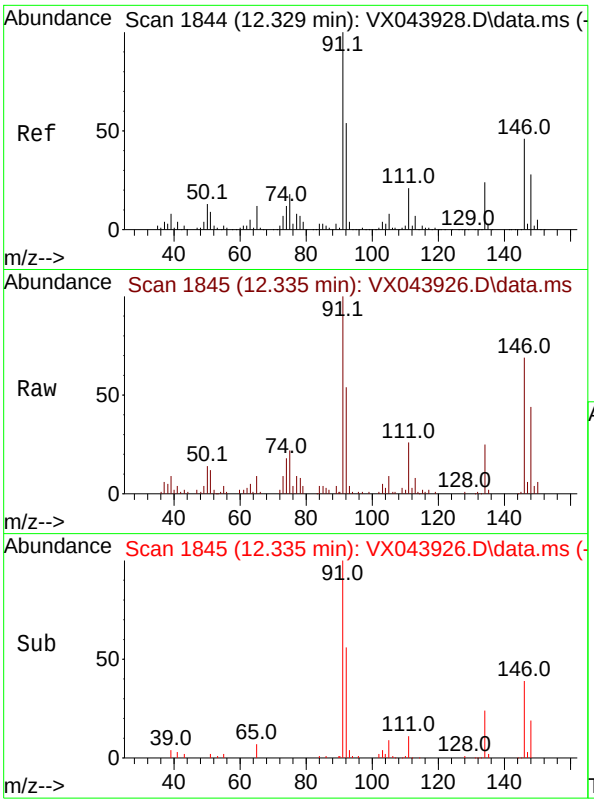




#88
1,4-Dichlorobenzene
Concen: 4.831 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 50.2 | 20.1 | 60.3 |
| 148 | 67.9 | 30.9 | 92.8 |



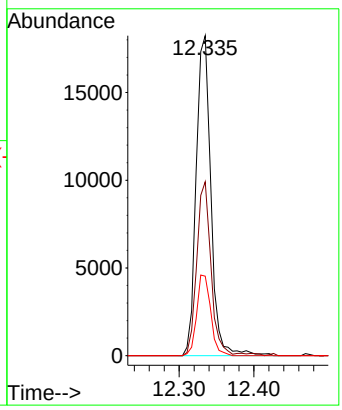


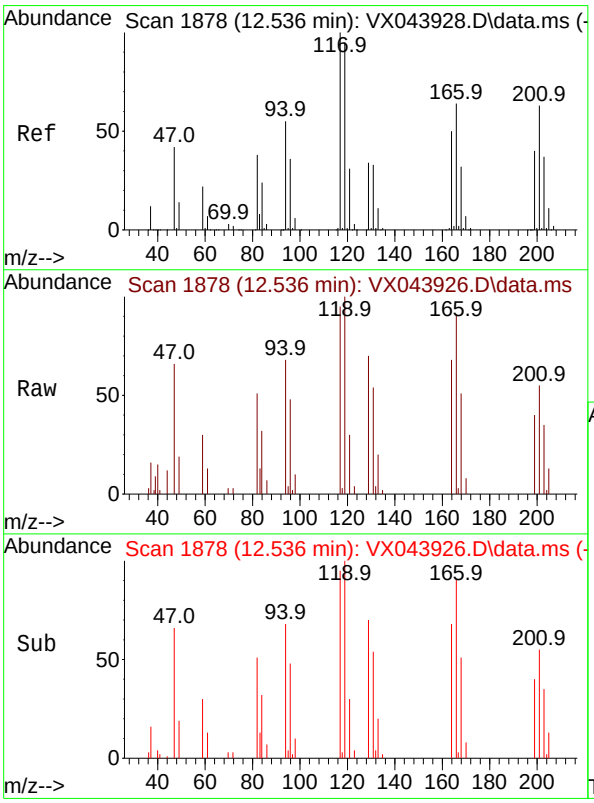

#89
n-Butylbenzene
Concen: 4.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 24938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 26.6 | 79.8 |
| 134 | 23.9 | 12.4 | 37.2 |

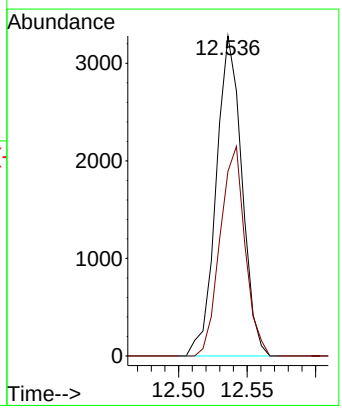


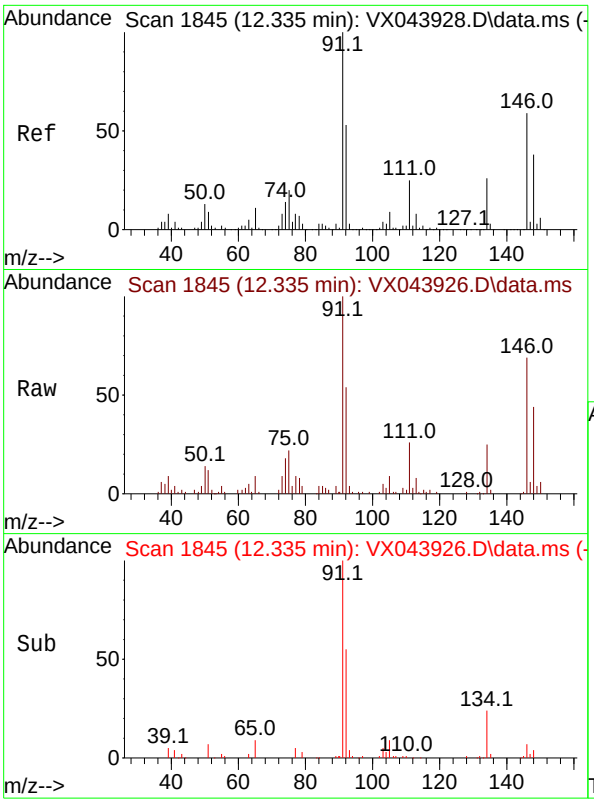




#90
Hexachloroethane
Concen: 4.173 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.6 | 32.4 | 97.0 |



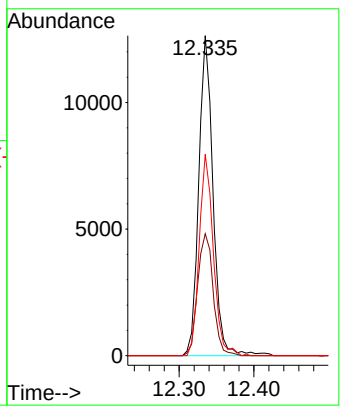


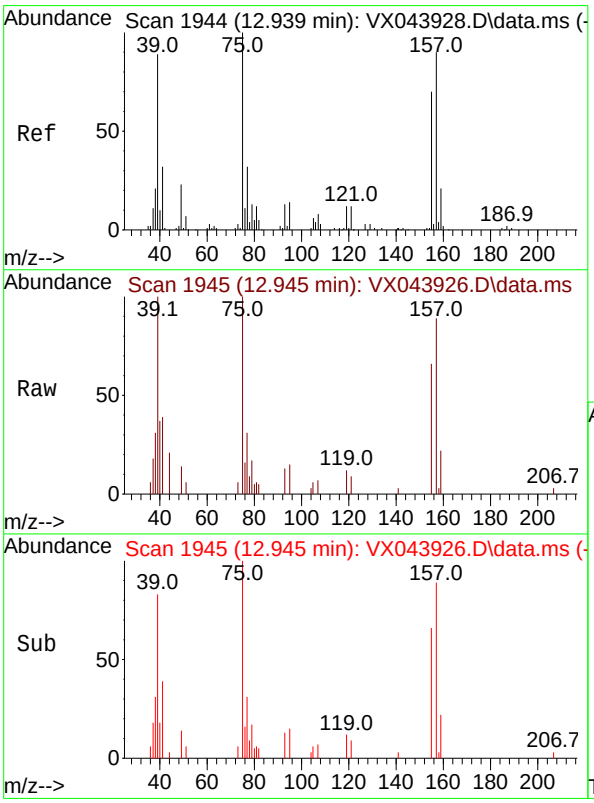

#91
1,2-Dichlorobenzene
Concen: 5.140 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 16747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.5 | 64.5 |
| 148 | 62.4 | 31.9 | 95.5 |

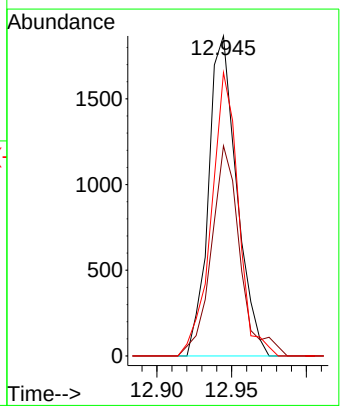


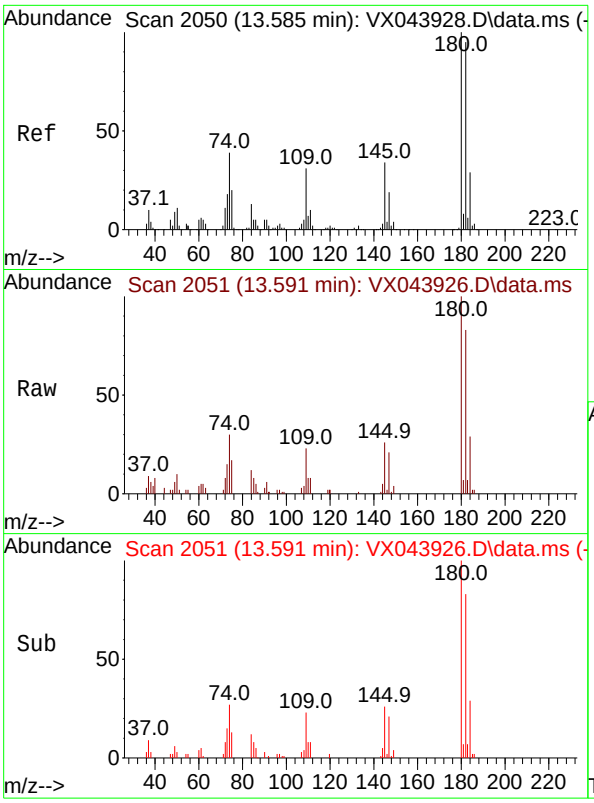




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.814 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 66.2 | 40.1 | 120.2 |
| 157 | 84.5 | 49.6 | 149.0 |



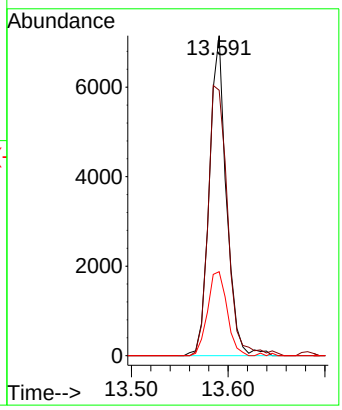


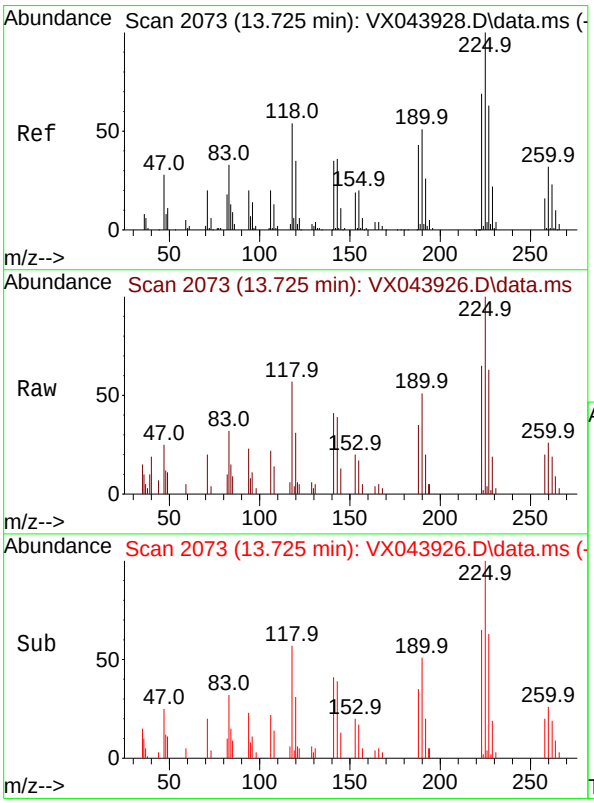

#93
1,2,4-Trichlorobenzene
Concen: 4.553 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 8746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 30.0 | 16.8 | 50.4 |

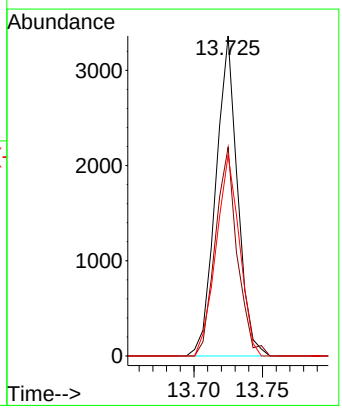


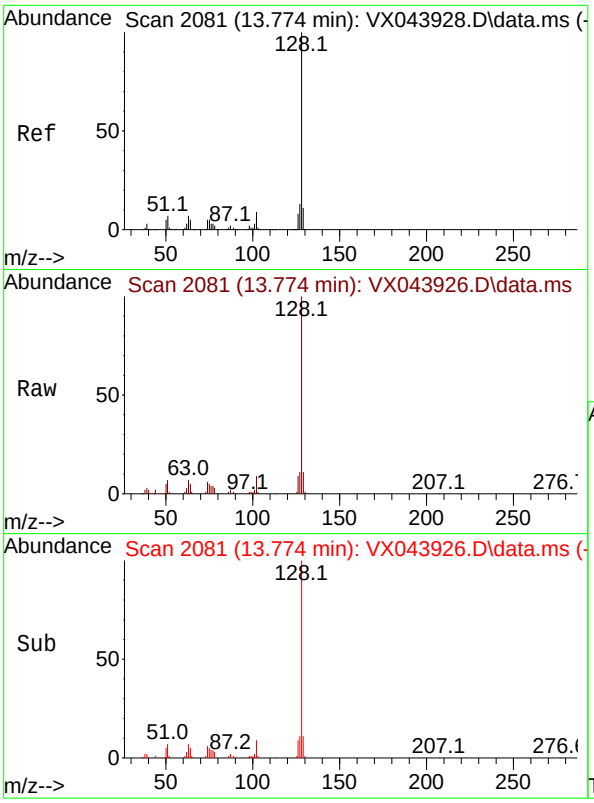




#94
Hexachlorobutadiene
Concen: 4.891 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:225 Resp: 3713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.4 | 32.9 | 98.6 |
| 227 | 67.5 | 31.6 | 94.8 |



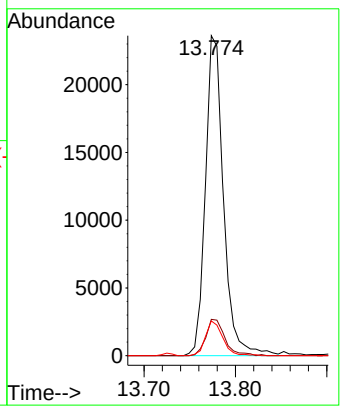


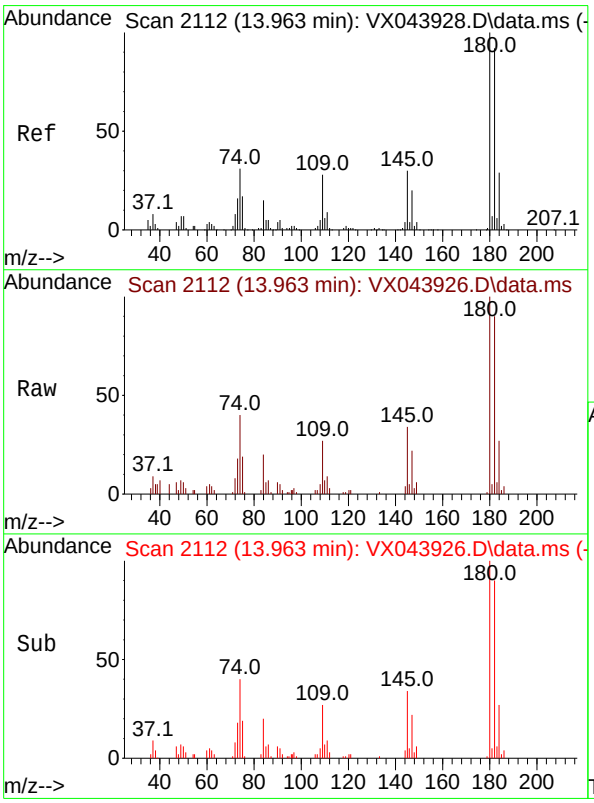

#95
Naphthalene
Concen: 4.698 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 32485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.0 | 10.2 | 15.2 |
| 129 | 10.4 | 8.6 | 12.8 |

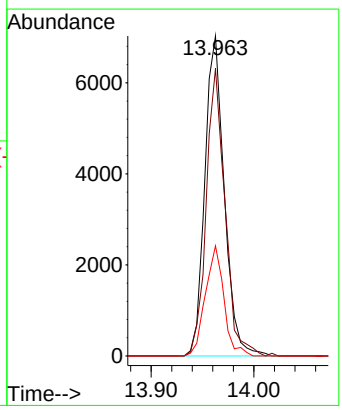



#96
1,2,3-Trichlorobenzene
Concen: 4.773 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043926.D
Acq: 21 Nov 2024 10:14

Tgt Ion:180 Resp: 9280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 86.7 | 45.6 | 136.8 |
| 145 | 32.7 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 137617 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 247844 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 217871 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 98477 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 48239 | 20.437 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 40.880%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 35015 | 19.772 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 39.540%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 122646 | 20.090 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 40.180%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 41087 | 19.776 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 39.560%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 35268 | 20.230 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 39622 | 21.597 | ug/l | 93 |
| 4) Vinyl Chloride | 1.374 | 62 | 40173 | 20.587 | ug/l | 95 |
| 5) Bromomethane | 1.593 | 94 | 24112 | 20.086 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 22213 | 18.682 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 73464 | 21.058 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 25875 | 20.349 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 33284 | 20.001 | ug/l | 98 |
| 10) Methyl Iodide | 2.441 | 142 | 43047 | 20.712 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.002 | 59 | 36554 | 96.484 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 32180 | 20.293 | ug/l | 96 |
| 13) Acrolein | 2.240 | 56 | 35249 | 88.269 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 53053 | 20.475 | ug/l | 96 |
| 15) Acrylonitrile | 3.069 | 53 | 94417 | 102.265 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 110373 | 101.811 | ug/l | 95 |
| 17) Carbon Disulfide | 2.502 | 76 | 59349 | 18.144 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 50136 | 19.859 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 121776 | 21.150 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 37633 | 20.456 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 33545 | 20.489 | ug/l | 96 |
| 22) Diisopropyl ether | 3.764 | 45 | 119475 | 21.564 | ug/l | 96 |
| 23) Vinyl Acetate | 3.721 | 43 | 504408 | 106.423 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 67233 | 21.034 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 148152 | 105.912 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 58444 | 20.246 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 41866 | 20.688 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 26507 | 18.840 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 87736 | 102.308 | ug/l | 100 |
| 30) Chloroform | 5.087 | 83 | 72049 | 20.958 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 53731 | 20.425 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 62394 | 21.046 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 44465 | 20.149 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 54426 | 19.868 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 48701 | 19.640 | ug/l | 98 |
| 39) Methylcyclohexane | 7.379 | 83 | 55958 | 19.518 | ug/l | 95 |
| 40) Benzene | 6.025 | 78 | 144401 | 21.006 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 28938 | 20.639 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 57981 | 21.001 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.349 | 43 | 88577 | 20.318 | ug/l | | 100 |
| 44) Trichloroethene | 7.117 | 130 | 36440 | 18.726 | ug/l | | 87 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 35791 | 21.258 | ug/l | | 95 |
| 46) Dibromomethane | 7.580 | 93 | 27799 | 20.873 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 49665 | 20.792 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.690 | 41 | 41962 | 20.059 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 12071 | 334.681 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 278479 | 104.673 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 87569 | 21.284 | ug/l | | 97 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 50294 | 20.648 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 56407 | 21.124 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 37148 | 21.872 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 56585 | 21.390 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 61420 | 21.468 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 136842 | 93.712 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 213629 | 106.832 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 34133 | 20.030 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 36985 | 21.536 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 29274 | 20.377 | ug/l | | 98 |
| 65) Chlorobenzene | 10.080 | 112 | 96469 | 20.160 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 32353 | 20.848 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 166435 | 20.527 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 122658 | 40.565 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 60254 | 20.409 | ug/l | | 94 |
| 70) Styrene | 10.653 | 104 | 102329 | 20.956 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 19329 | 17.792 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.964 | 105 | 157405 | 20.794 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 73525 | 20.967 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 54158 | 20.894 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 58738 | 27.659 | ug/l | | 82 |
| 77) Bromobenzene | 11.195 | 156 | 37631 | 20.839 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 176034 | 20.821 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 112986 | 21.134 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 132041 | 21.202 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 14743 | 18.629 | ug/l | | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 125521 | 20.797 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 128636 | 20.839 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 132595 | 21.385 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 156312 | 20.668 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 130605 | 21.260 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 67003 | 20.372 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 67195 | 20.118 | ug/l | | 96 |
| 89) n-Butylbenzene | 12.329 | 91 | 110491 | 20.399 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 19547 | 18.712 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 67852 | 20.443 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 9939 | 19.137 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 38866 | 19.862 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14818 | 19.160 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 145678 | 20.681 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 41554 | 20.981 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

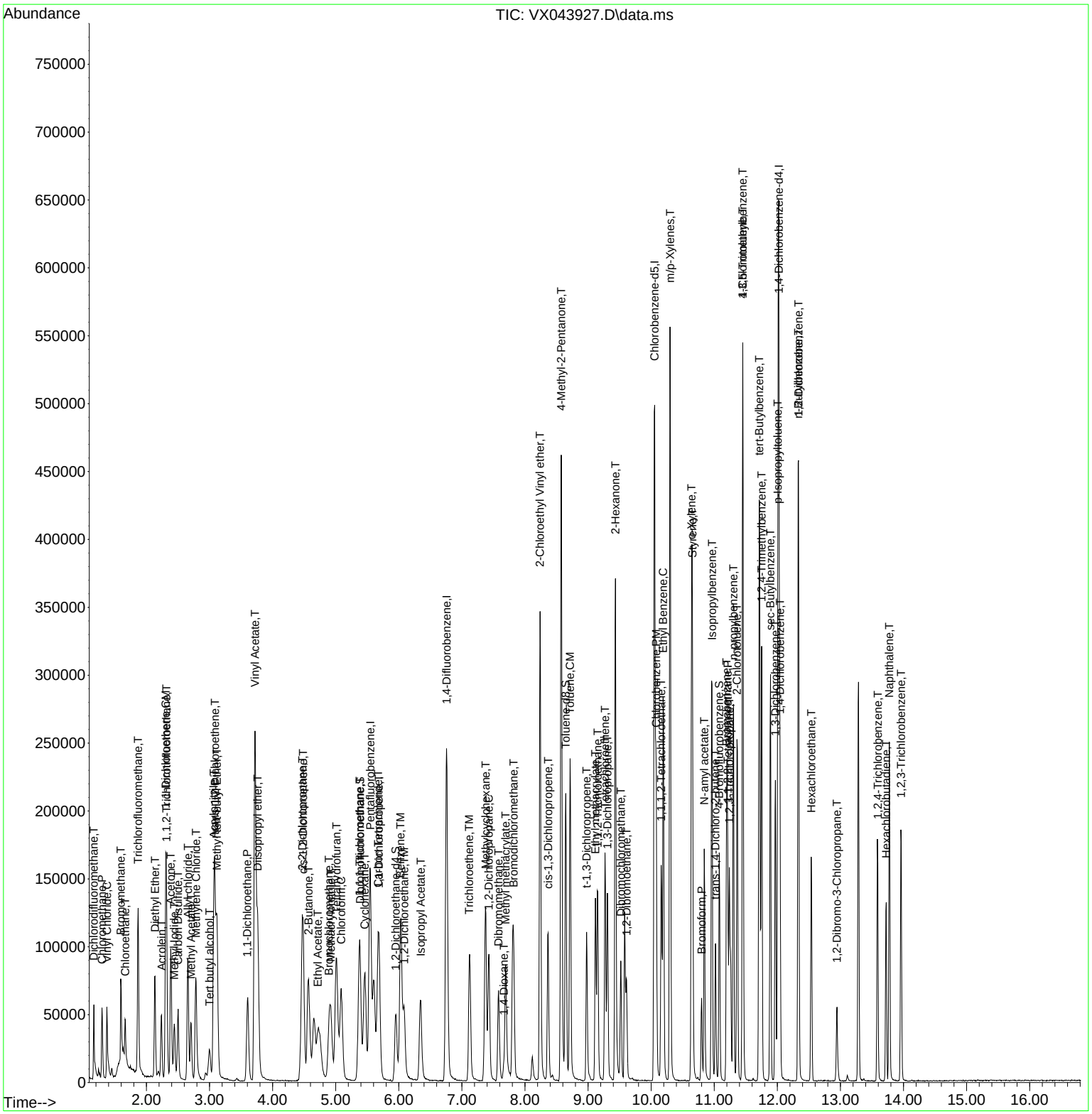
(#) = qualifier out of range (m) = manual integration (+) = signals summed

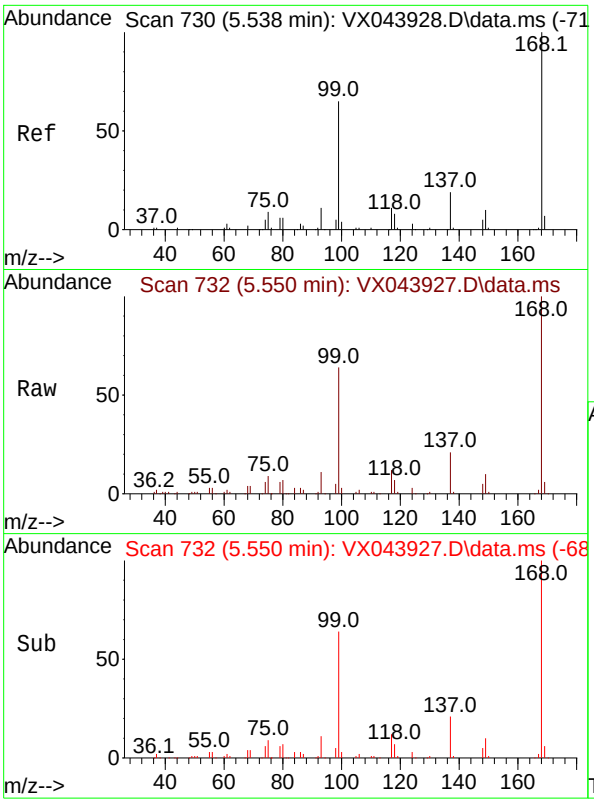
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043927.D
Acq On : 21 Nov 2024 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Nov 22 03:29:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



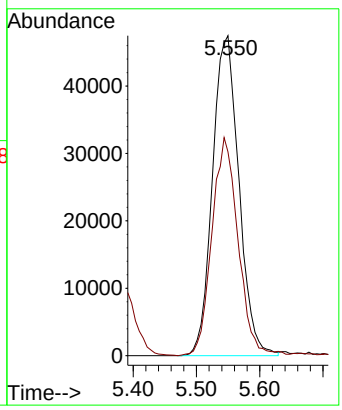


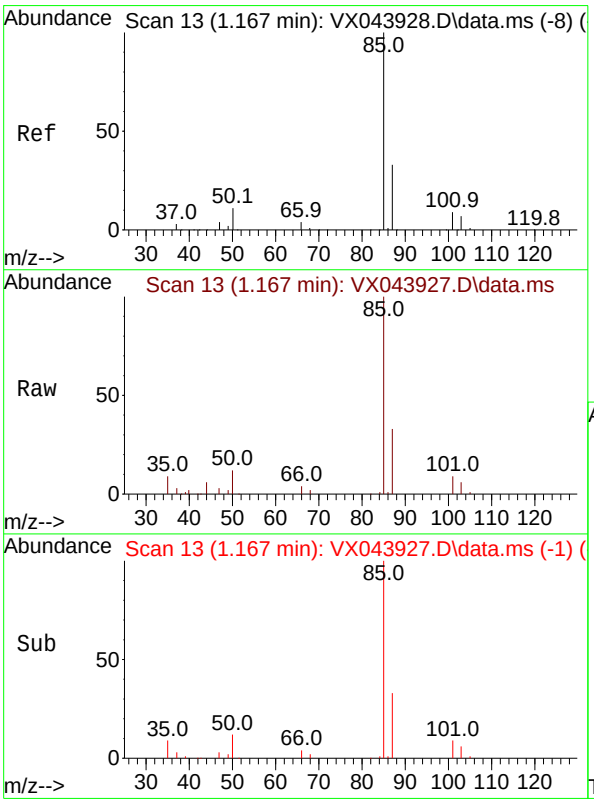

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 137617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.7 | 51.8 | 77.8 |

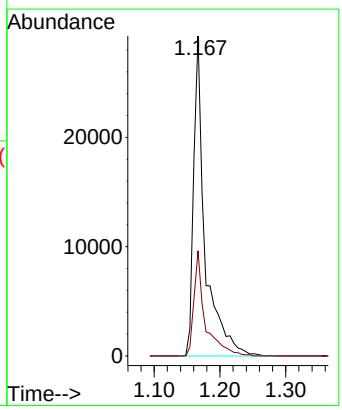


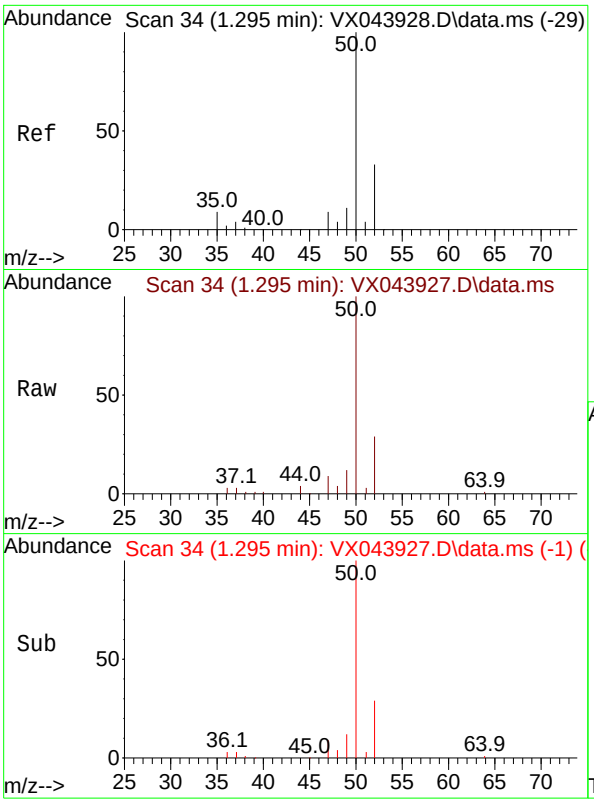




#2
Dichlorodifluoromethane
Concen: 20.230 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.8 | 16.6 | 49.8 |



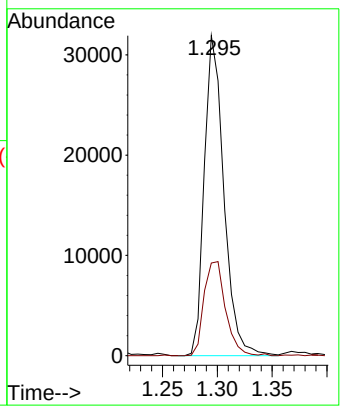


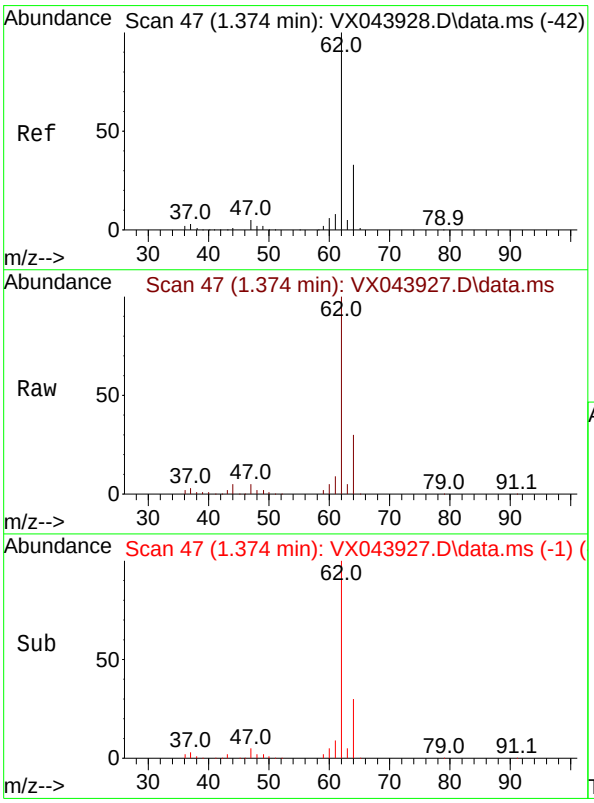

#3
Chloromethane
Concen: 21.597 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 39622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 28.9 | 26.1 | 39.1 |

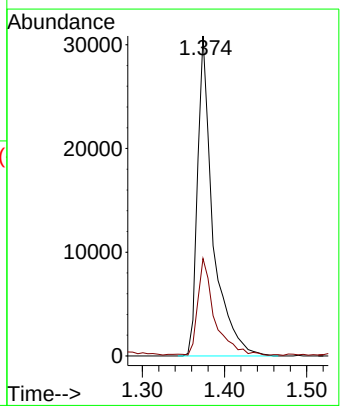


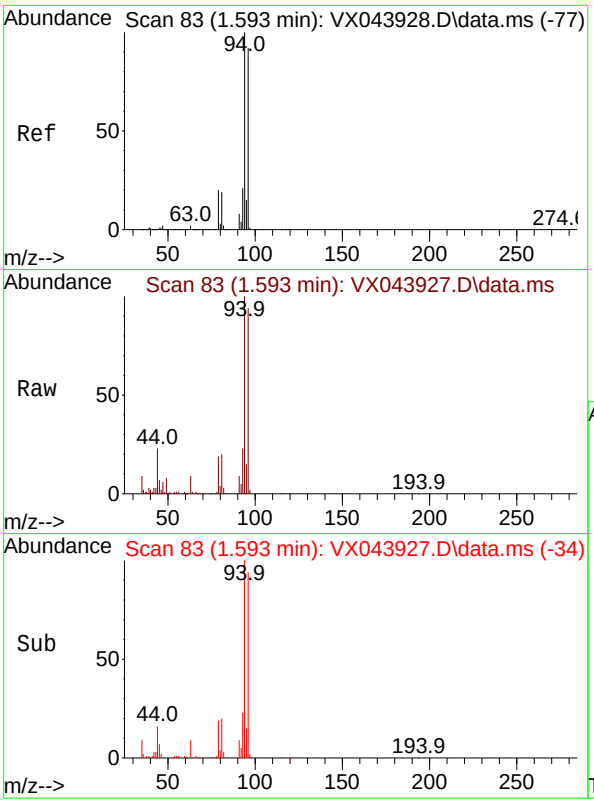




#4
Vinyl Chloride
Concen: 20.587 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 40173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.0 | 26.2 | 39.4 |



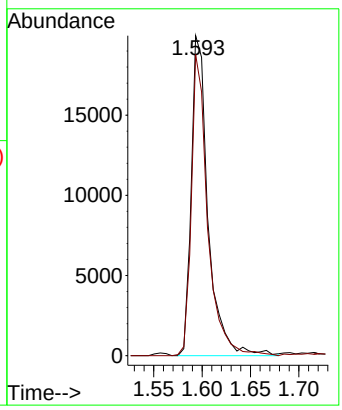


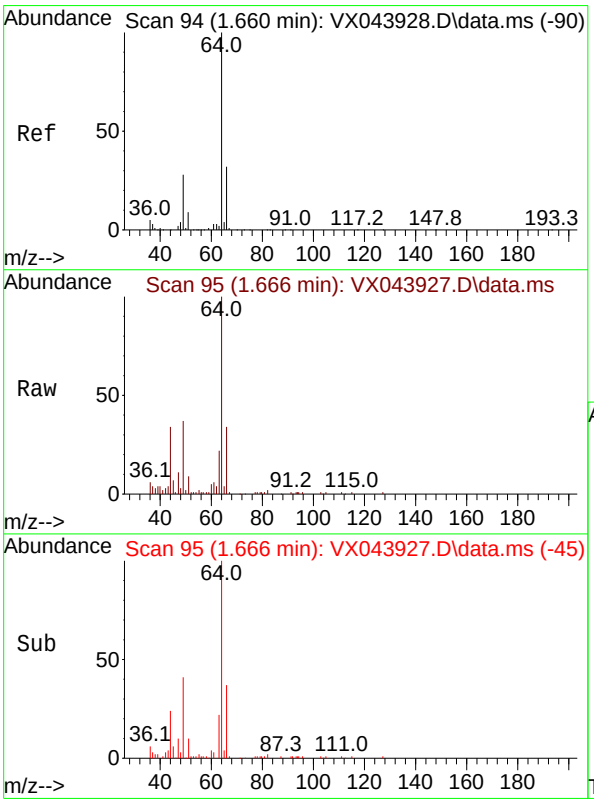

#5
Bromomethane
Concen: 20.086 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 24112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.1 | 73.9 | 110.9 |

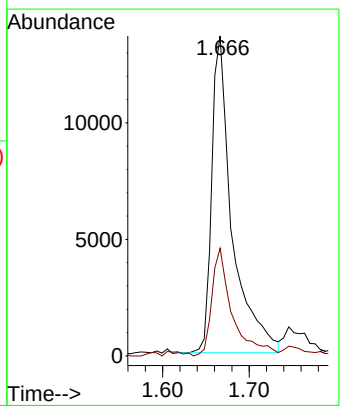


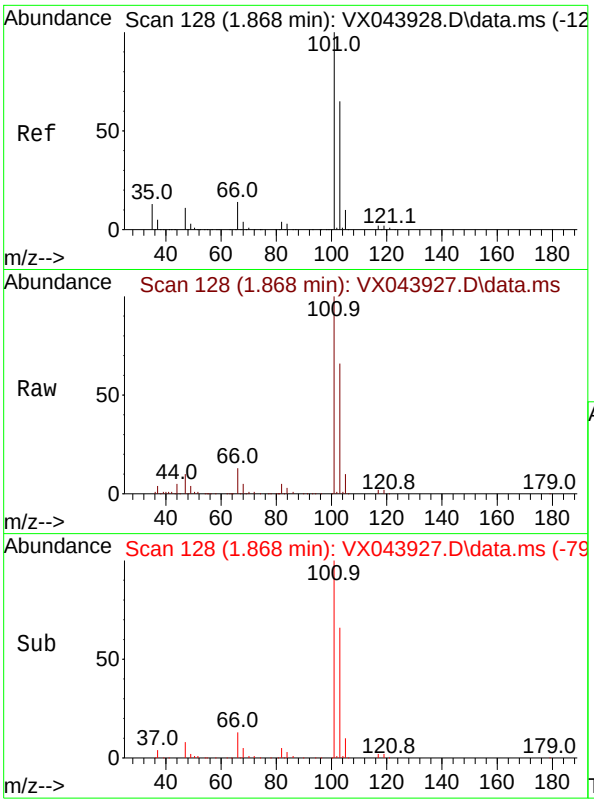




#6
Chloroethane
Concen: 18.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.9 | 25.9 | 38.9 |



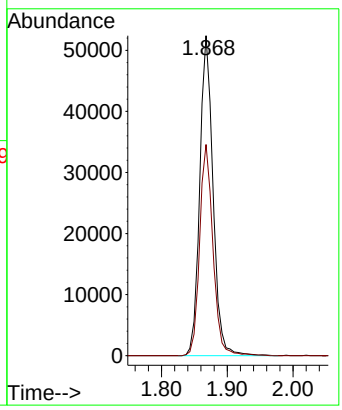


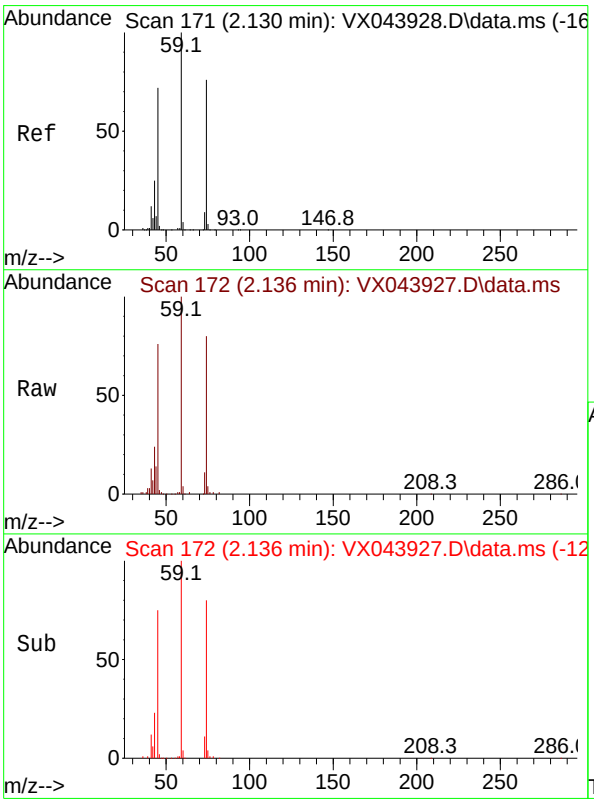

#7
Trichlorofluoromethane
Concen: 21.058 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 73464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.0 | 52.2 | 78.2 |

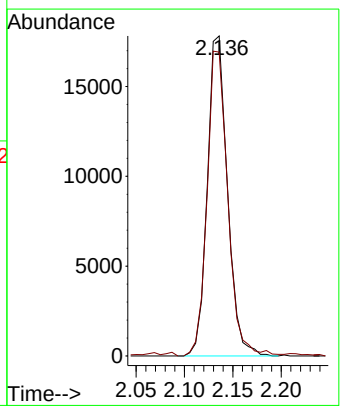


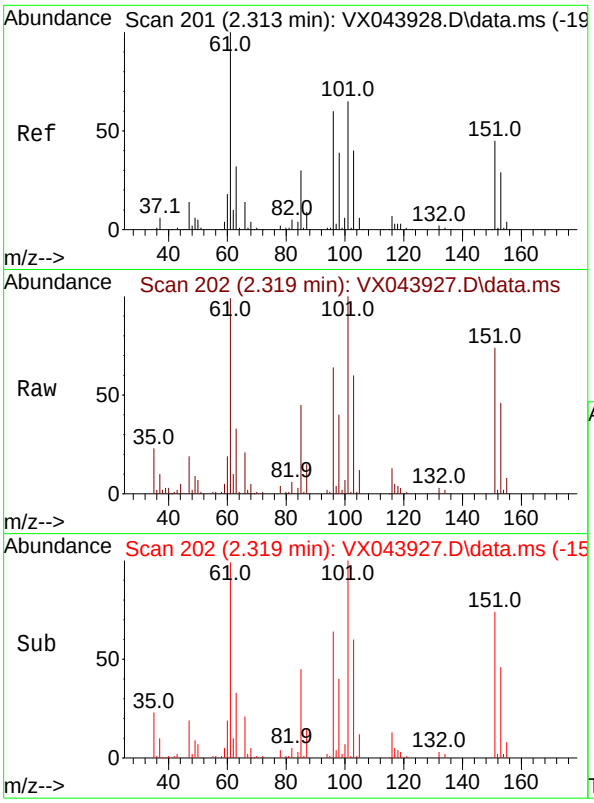




#8
Diethyl Ether
Concen: 20.349 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 98.4 | 47.9 | 143.6 |



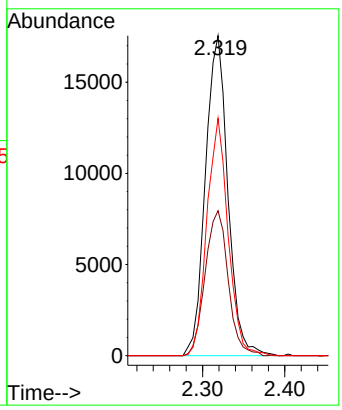


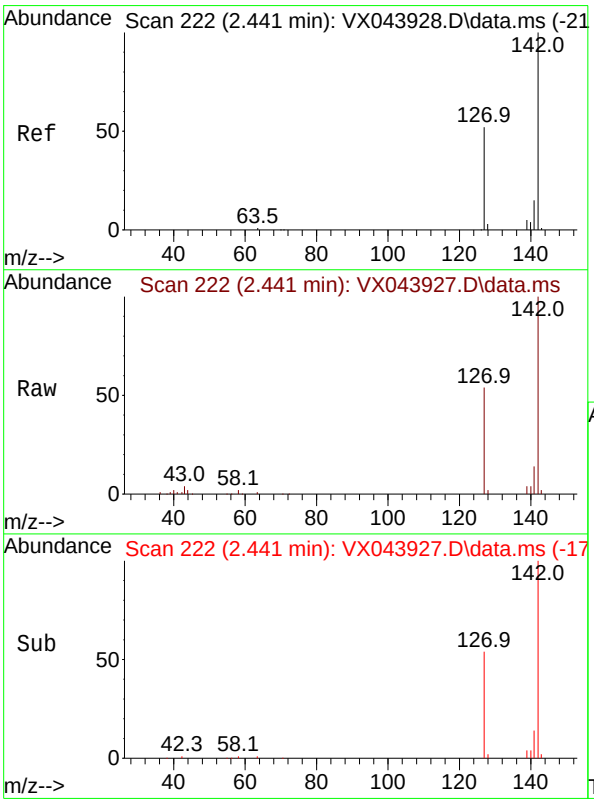

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.001 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 33284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.3 | 37.9 | 56.9 |
| 151 | 70.1 | 57.5 | 86.3 |

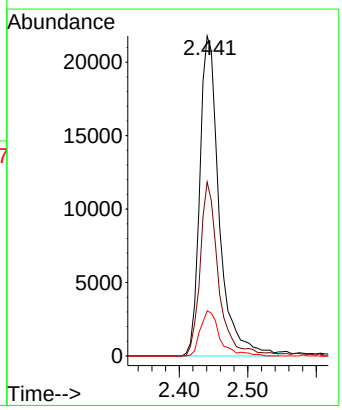


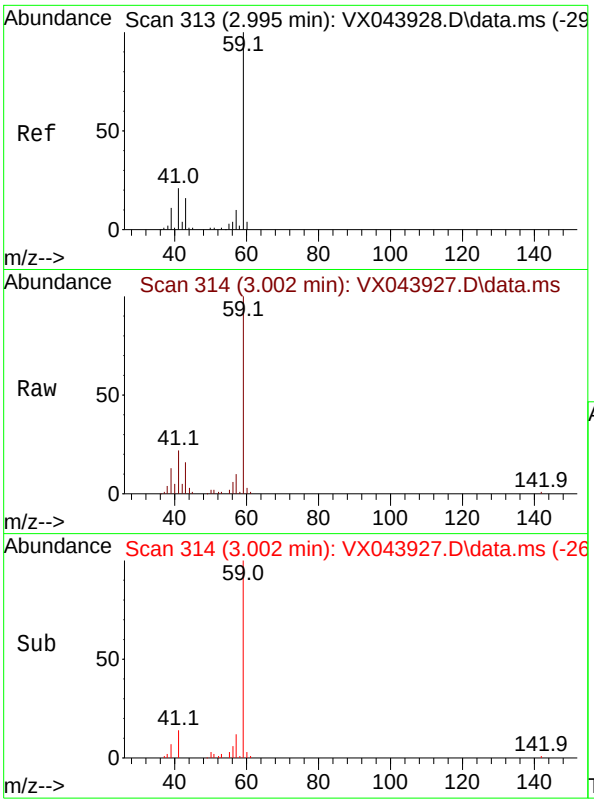




#10
Methyl Iodide
Concen: 20.712 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.8 | 40.7 | 61.1 |
| 141 | 14.2 | 12.0 | 18.0 |



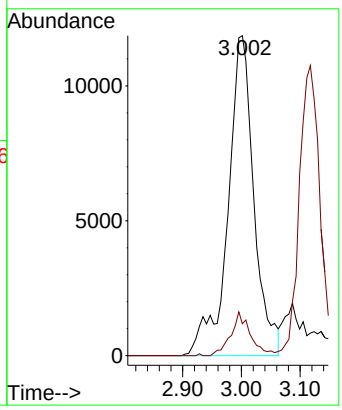


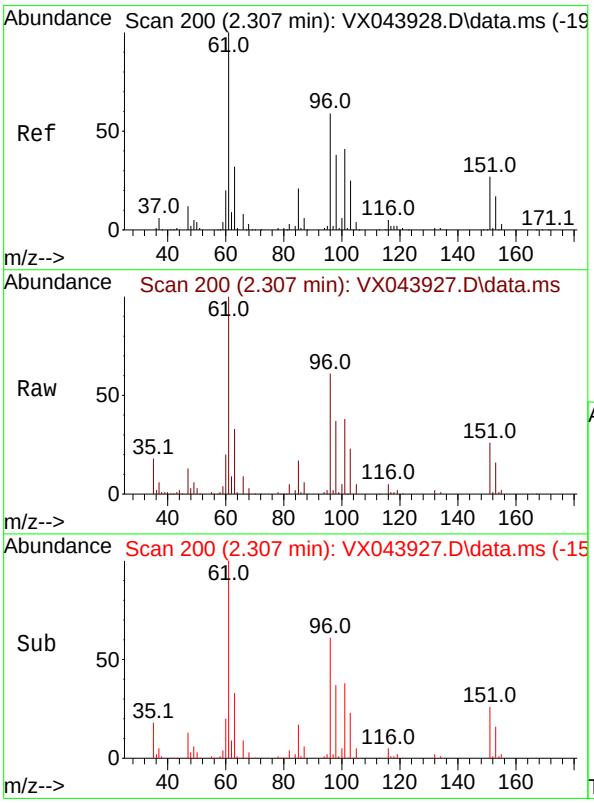

#11
Tert butyl alcohol
Concen: 96.484 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 36554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

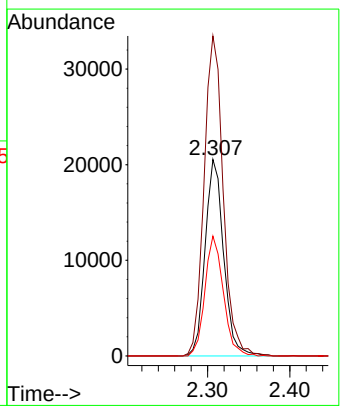


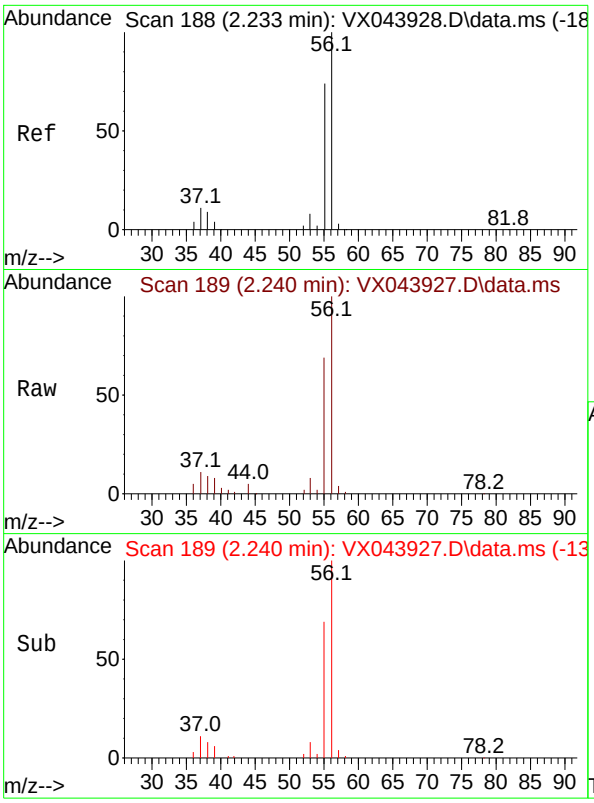




#12
1,1-Dichloroethene
Concen: 20.293 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 96 Resp: 32180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 162.9 | 135.5 | 203.3 |
| 98 | 61.0 | 50.8 | 76.2 |



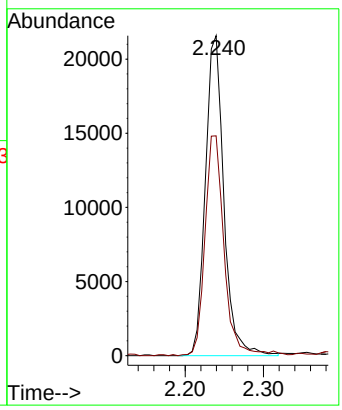


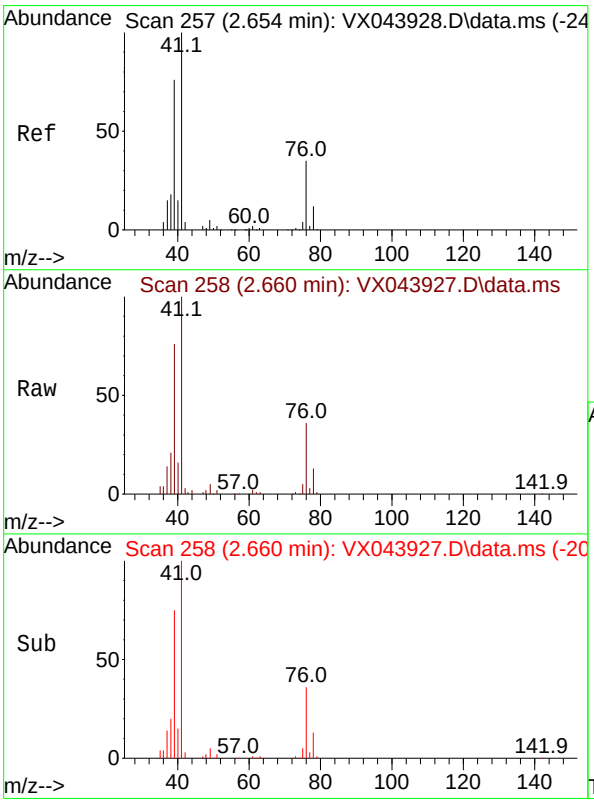

#13
Acrolein
Concen: 88.269 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 35249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.2 | 58.2 | 87.2 |

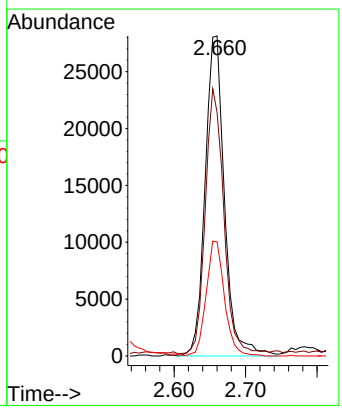


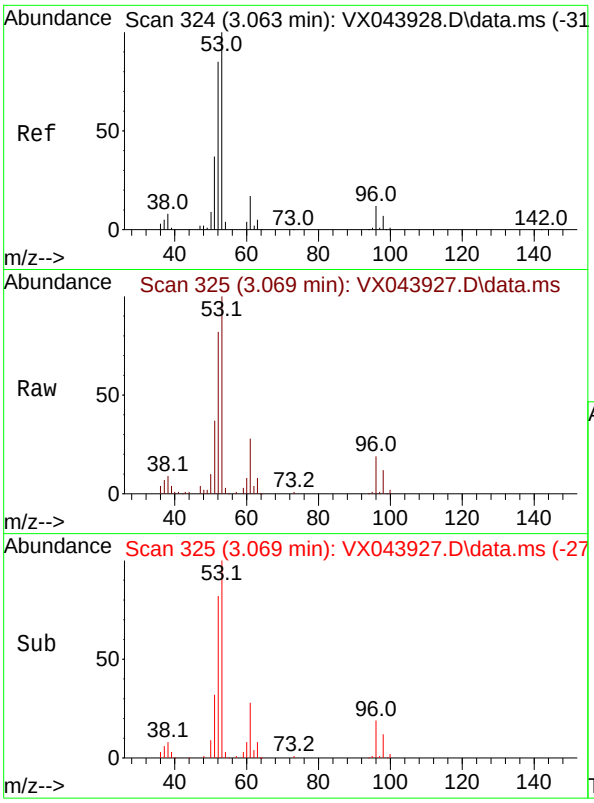




#14
Allyl chloride
Concen: 20.475 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 53053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.7 | 59.5 | 89.3 |
| 76 | 33.9 | 27.4 | 41.2 |



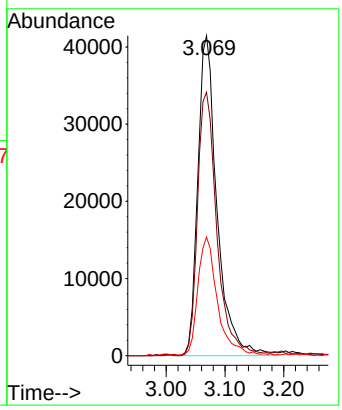


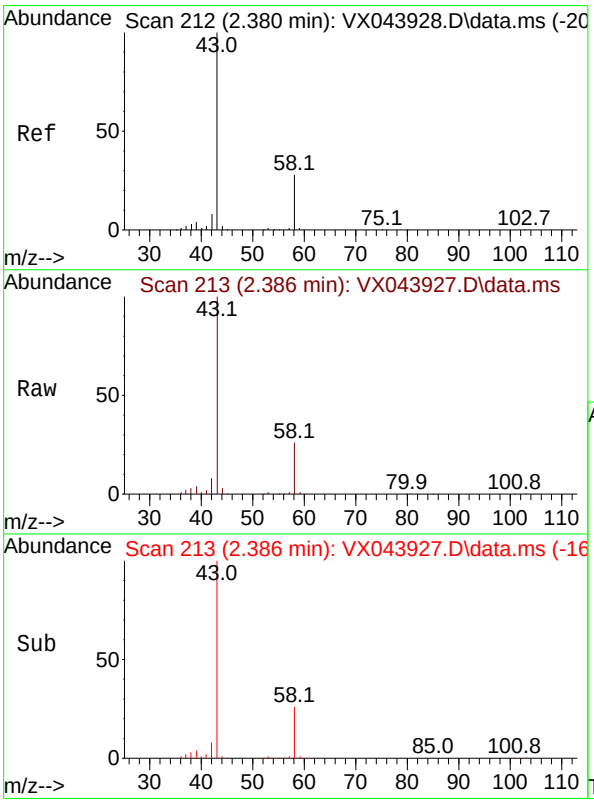

#15
Acrylonitrile
Concen: 102.265 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 94417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 66.5 | 99.7 |
| 51 | 37.1 | 30.2 | 45.4 |

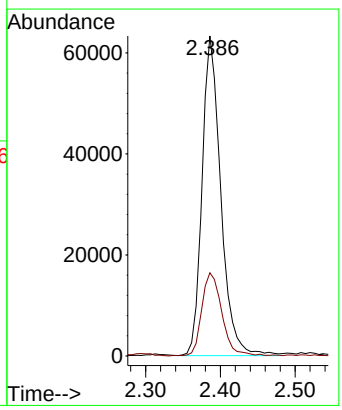


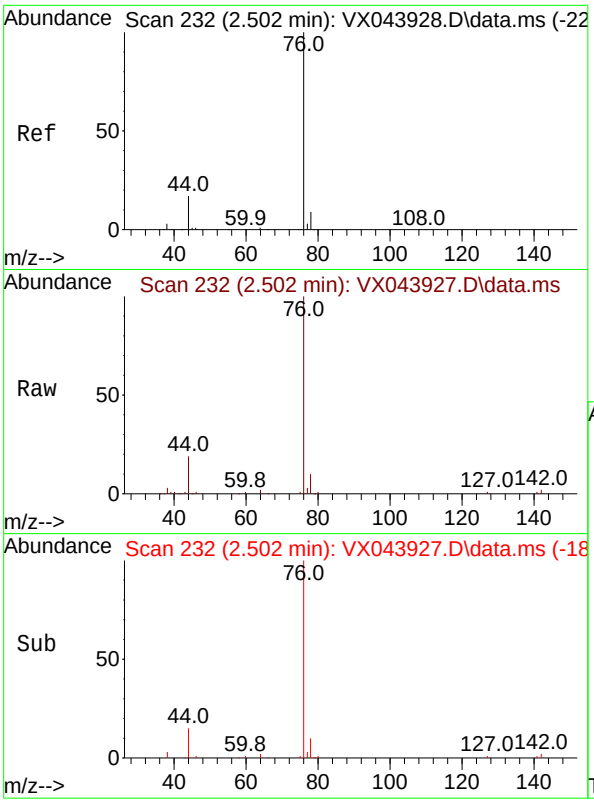




#16
Acetone
Concen: 101.811 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 25.9 | 22.7 | 34.1 |



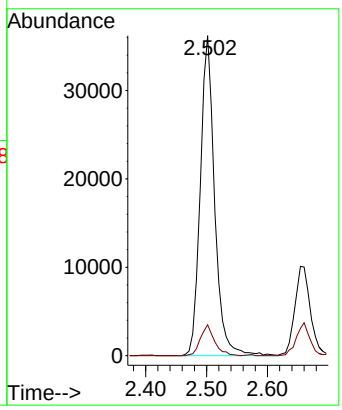


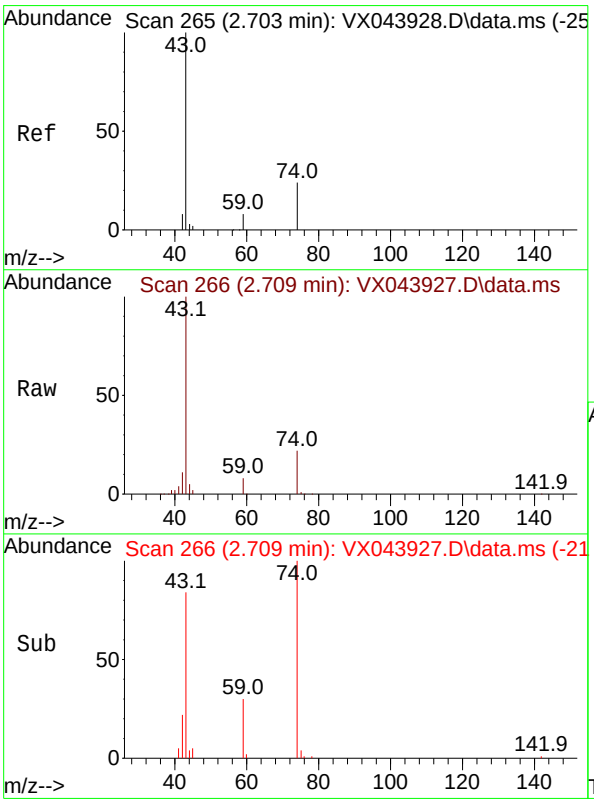

#17
Carbon Disulfide
Concen: 18.144 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 59349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.7 | 7.0 | 10.6 |

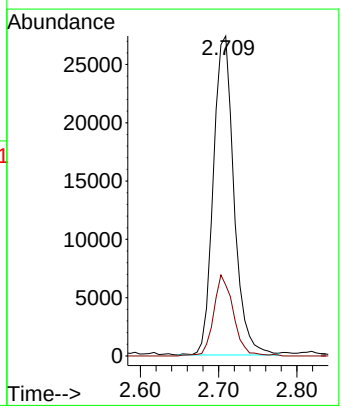


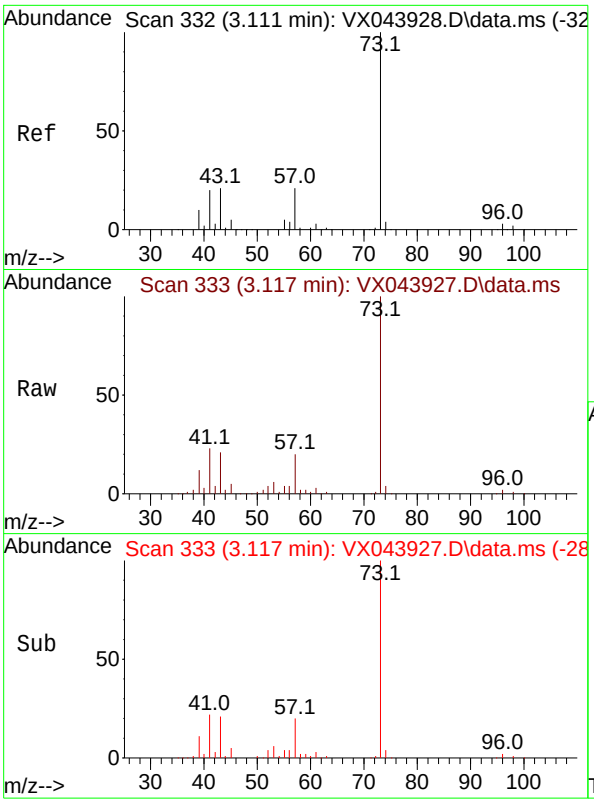




#18
Methyl Acetate
Concen: 19.859 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 18.9 | 28.3 |



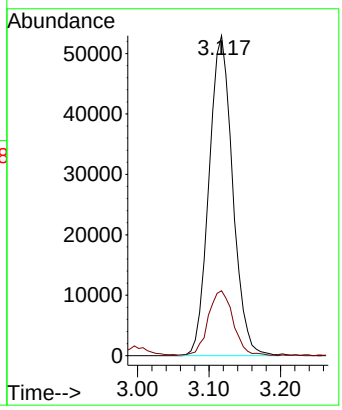


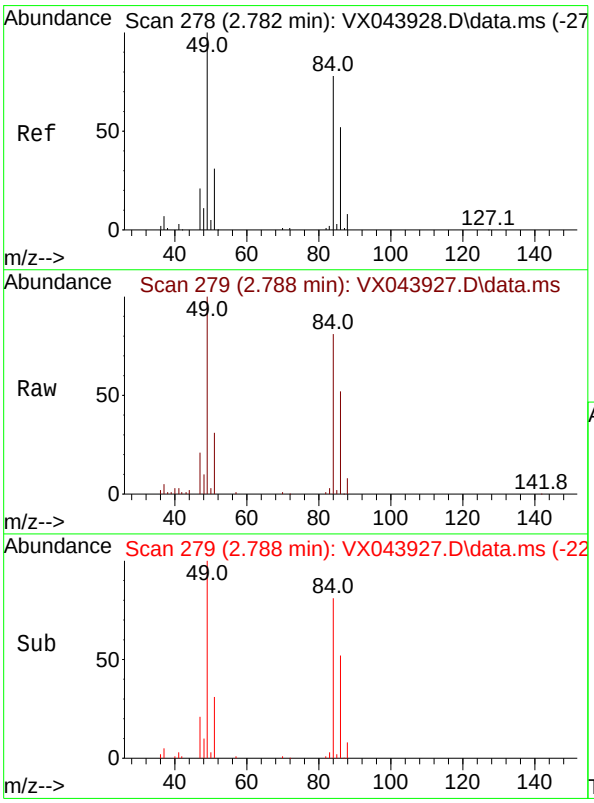

#19
Methyl tert-butyl Ether
Concen: 21.150 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 121776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.3 | 17.0 | 25.6 |

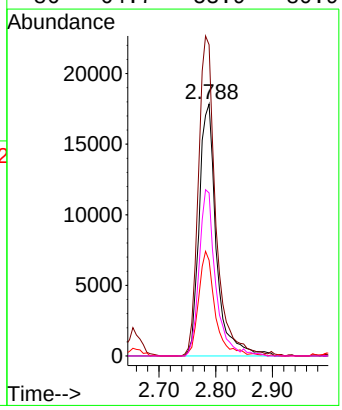


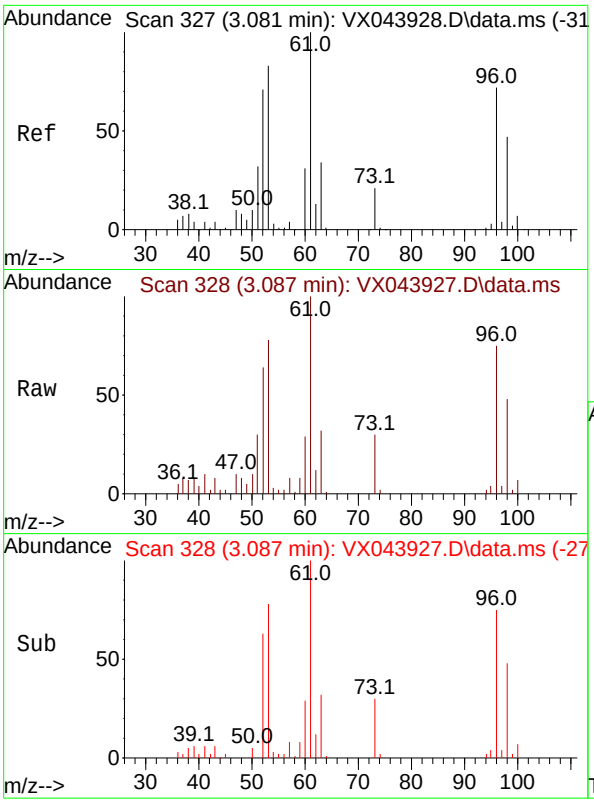




#20
Methylene Chloride
Concen: 20.456 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.5 | 102.7 | 154.1 |
| 51 | 38.0 | 31.7 | 47.5 |
| 86 | 64.7 | 53.9 | 80.9 |



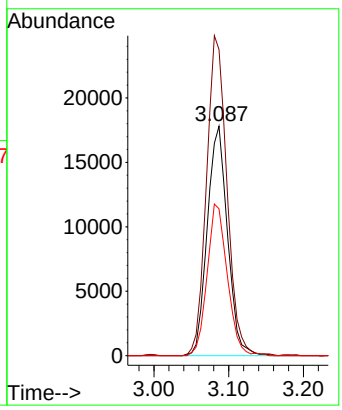


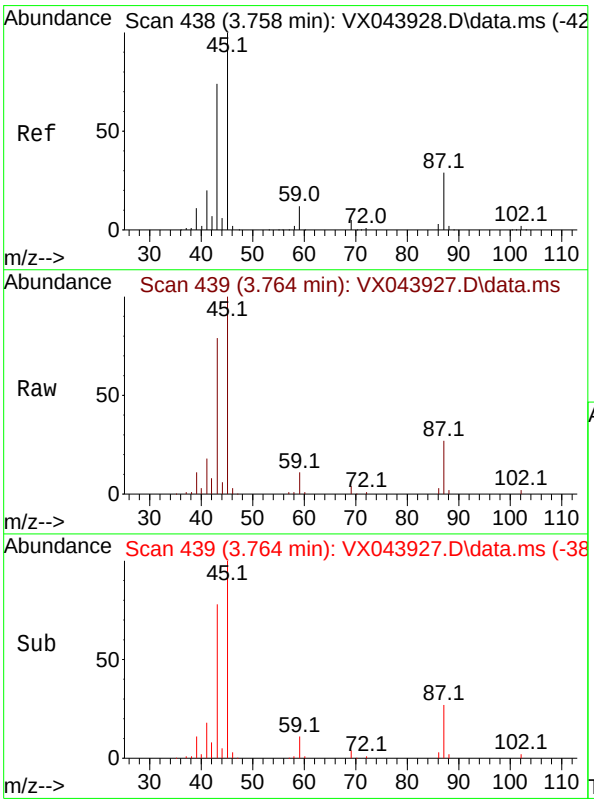

#21
trans-1,2-Dichloroethene
Concen: 20.489 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 33545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 133.4 | 111.8 | 167.6 |
| 98 | 64.0 | 52.7 | 79.1 |

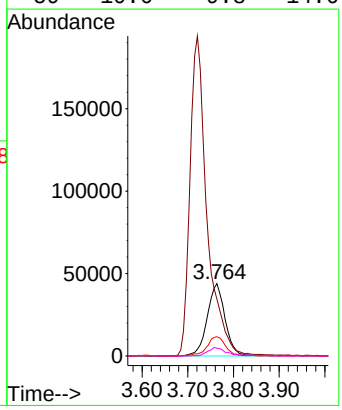


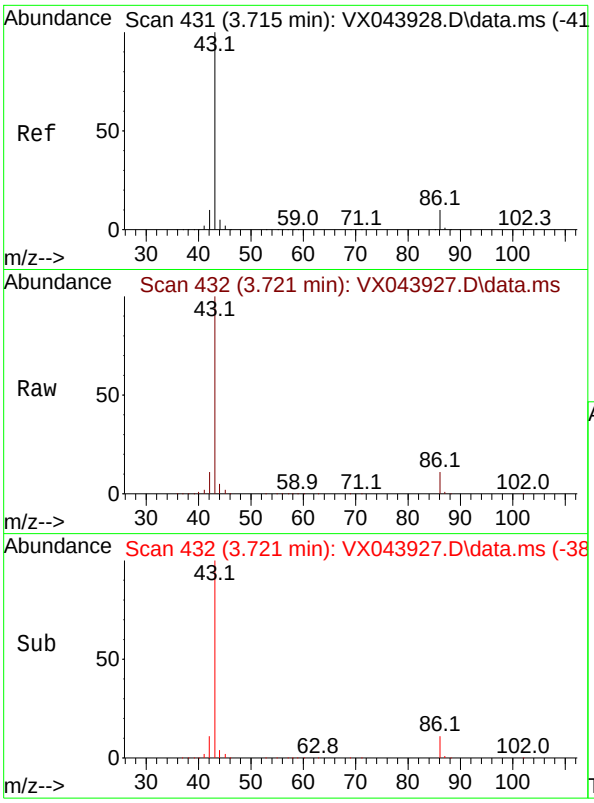




#22
Diisopropyl ether
Concen: 21.564 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 77.4 | 59.6 | 89.4 |
| 87 | 26.6 | 22.9 | 34.3 |
| 59 | 10.6 | 9.8 | 14.6 |



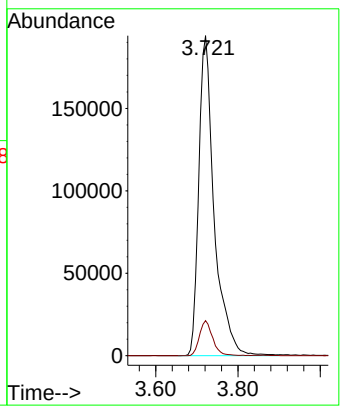


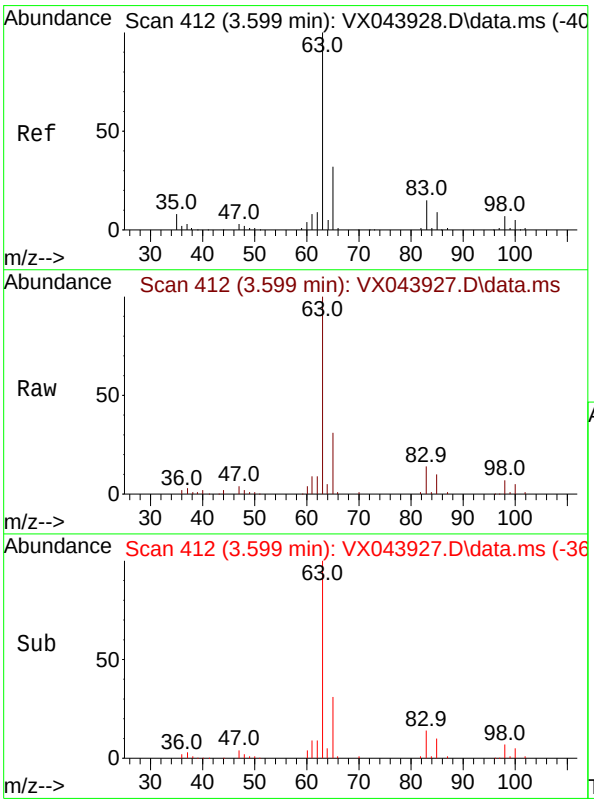

#23
Vinyl Acetate
Concen: 106.423 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 504408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 8.3 | 12.5 |

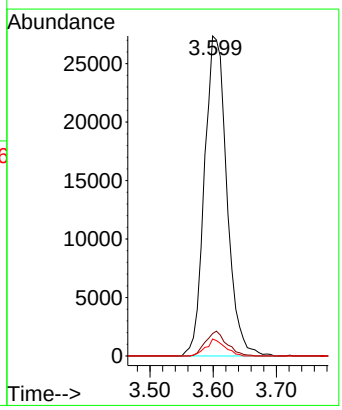


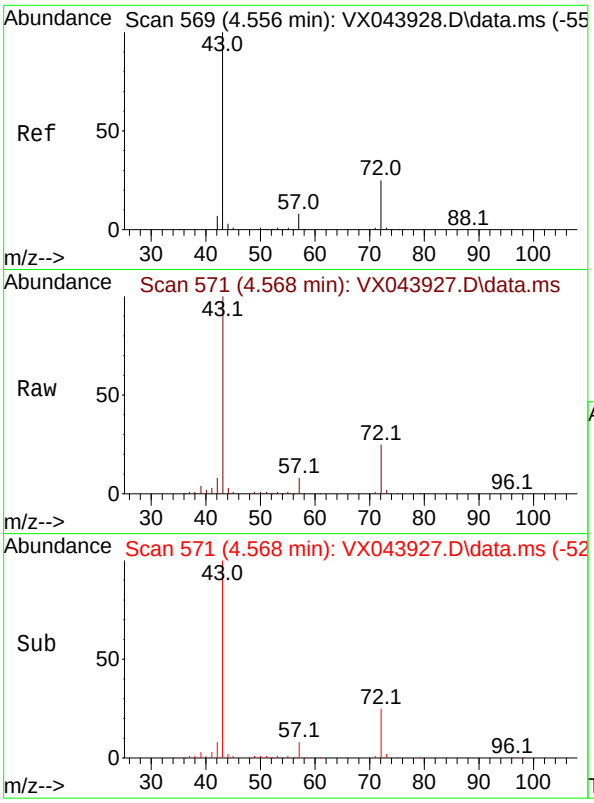




#24
1,1-Dichloroethane
Concen: 21.034 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.0 | 3.5 | 10.6 |
| 100 | 5.3 | 2.4 | 7.1 |



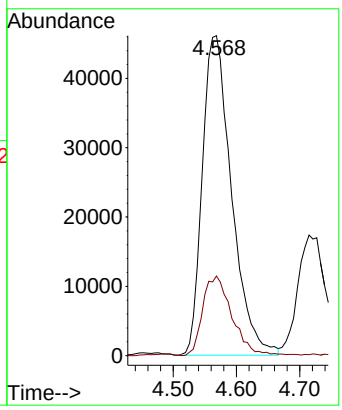


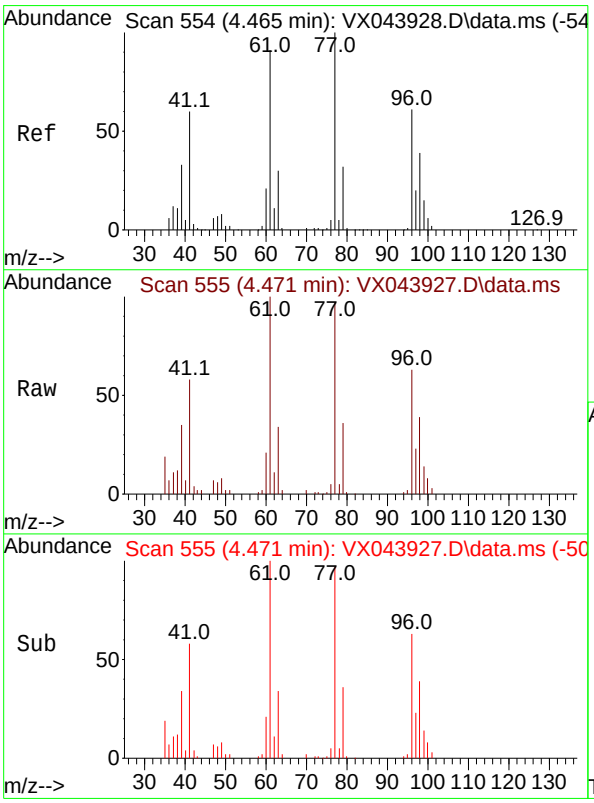

#25
2-Butanone
Concen: 105.912 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 148152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.8 | 20.2 | 30.2 |

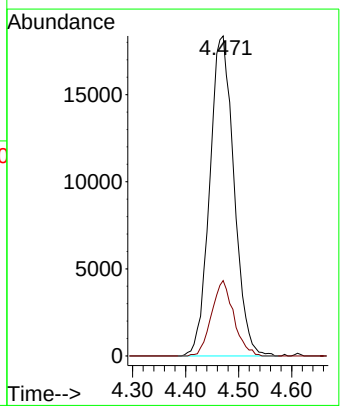


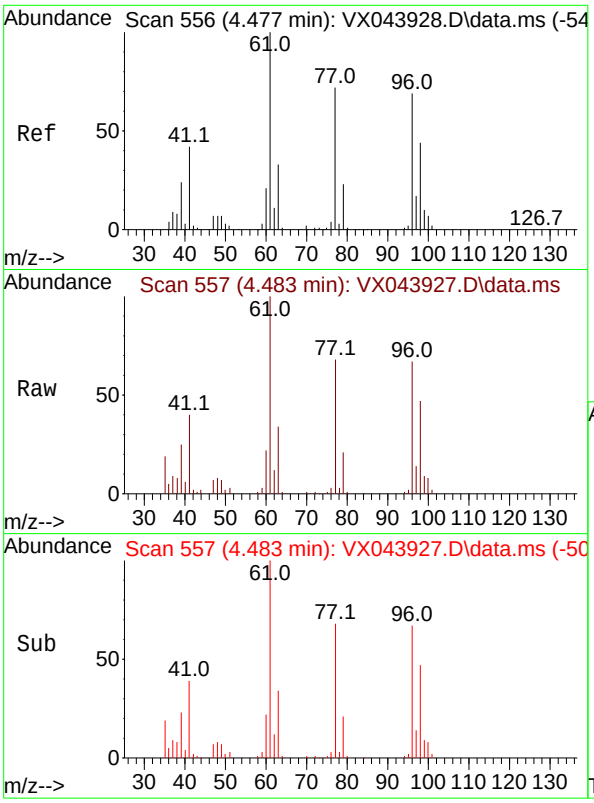




#26
2,2-Dichloropropane
Concen: 20.246 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 77 Resp: 58444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 10.8 | 32.3 |



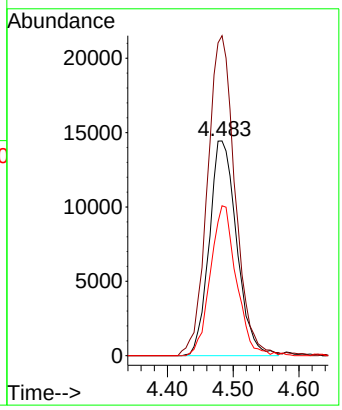


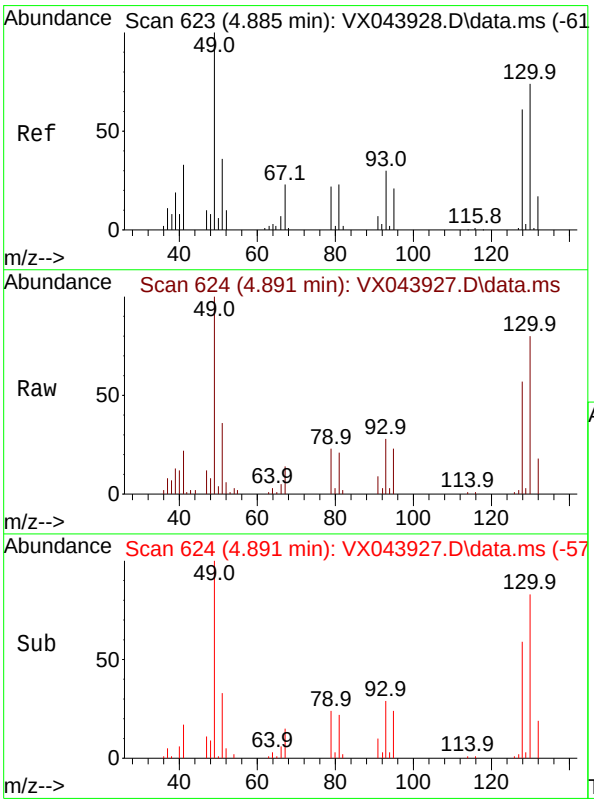

#27
cis-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 41866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 0.0 | 297.4 |
| 98 | 66.3 | 0.0 | 127.8 |

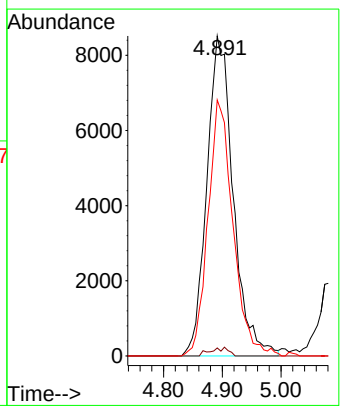


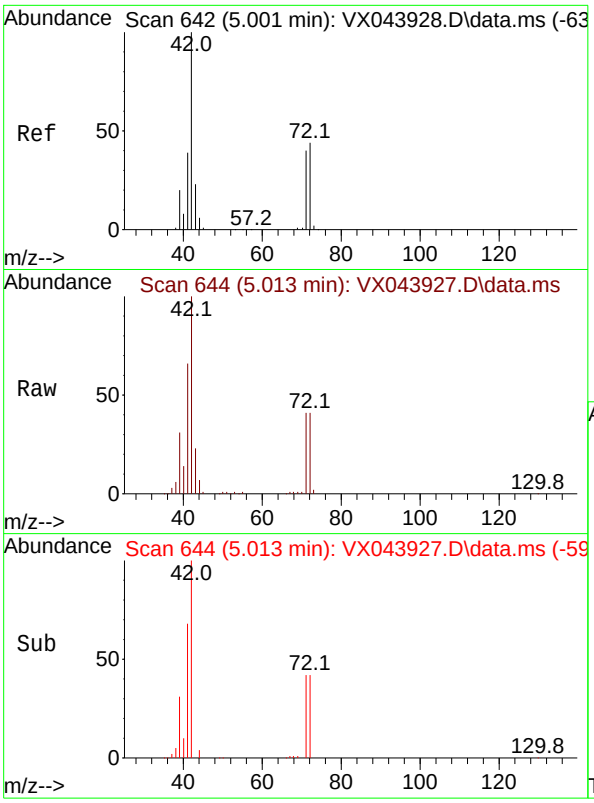




#28
Bromochloromethane
Concen: 18.840 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 4.0 |
| 130 | 75.8 | 59.0 | 88.6 |



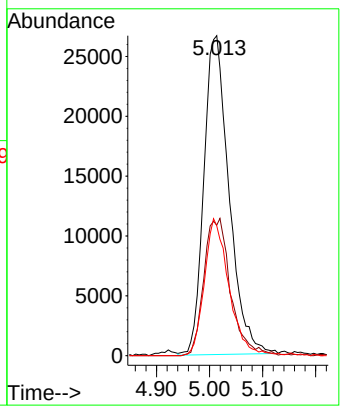


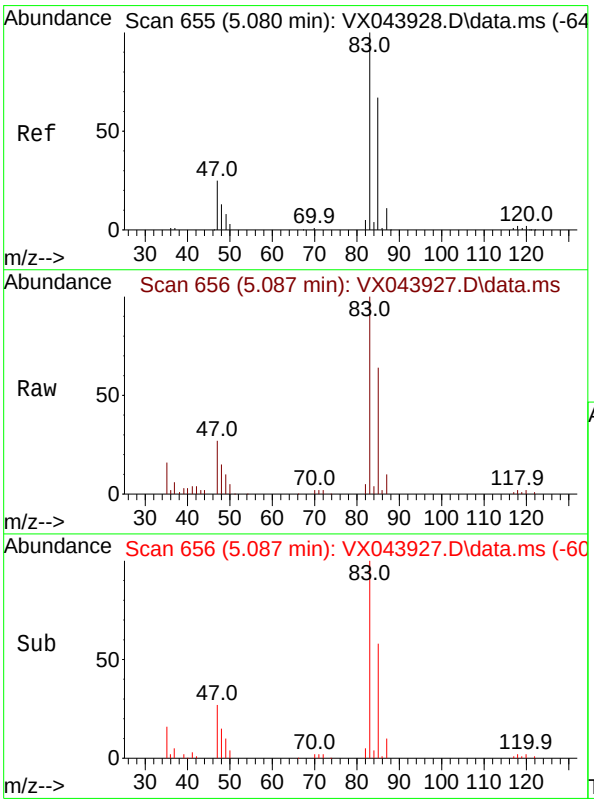

#29
Tetrahydrofuran
Concen: 102.308 ug/l
RT: 5.013 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 87736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.8 | 36.4 | 54.6 |
| 71 | 42.0 | 33.4 | 50.0 |

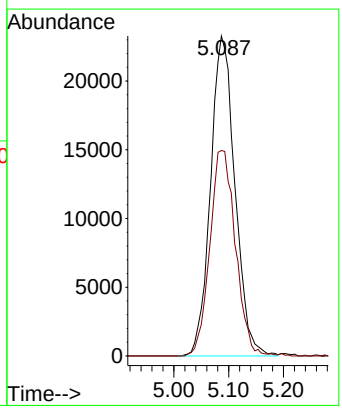


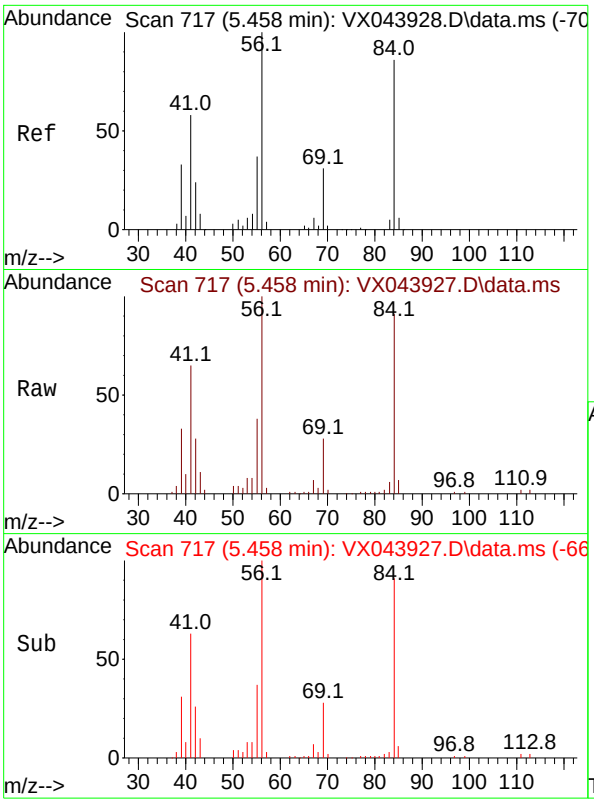




#30
Chloroform
Concen: 20.958 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 53.5 | 80.3 |



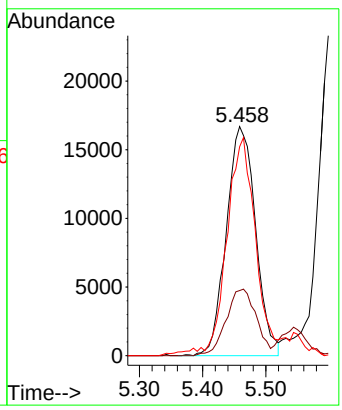


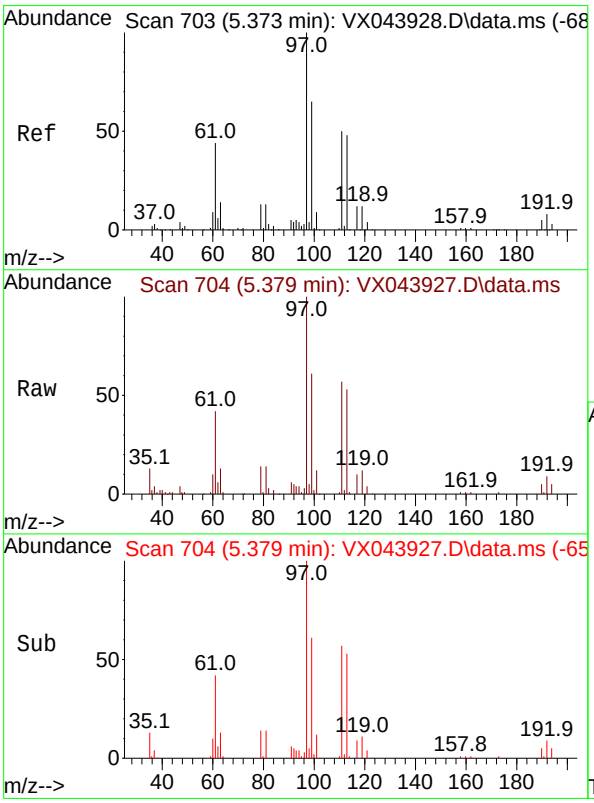

#31
Cyclohexane
Concen: 20.425 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 53731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.4 | 24.7 | 37.1 |
| 84 | 89.6 | 68.7 | 103.1 |

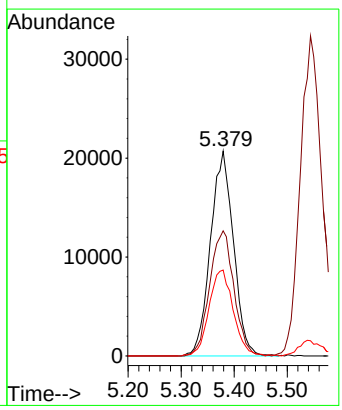


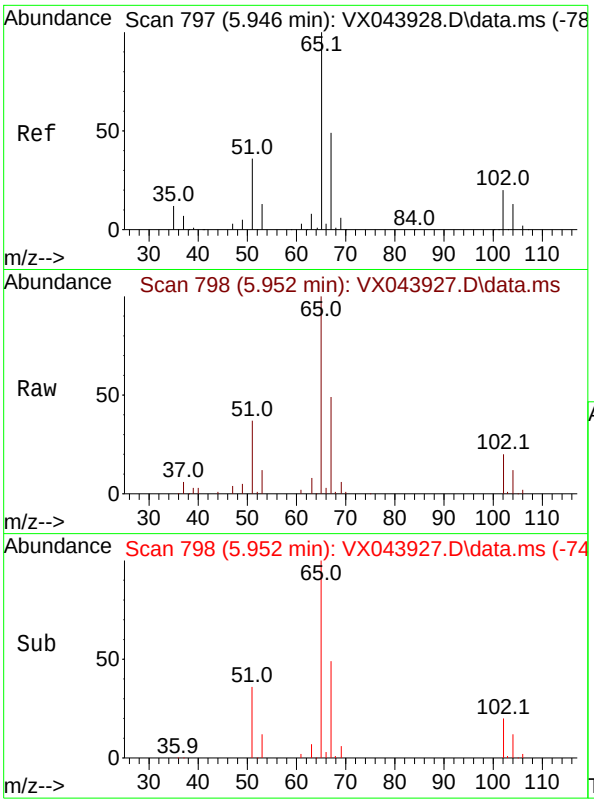




#32
1,1,1-Trichloroethane
Concen: 21.046 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 50.8 | 76.2 |
| 61 | 44.1 | 35.4 | 53.2 |



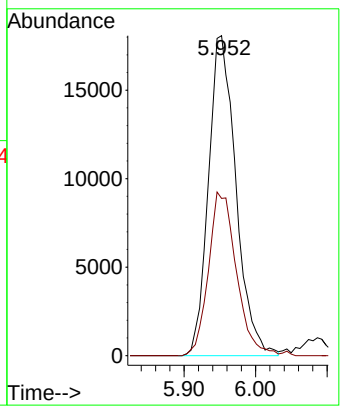


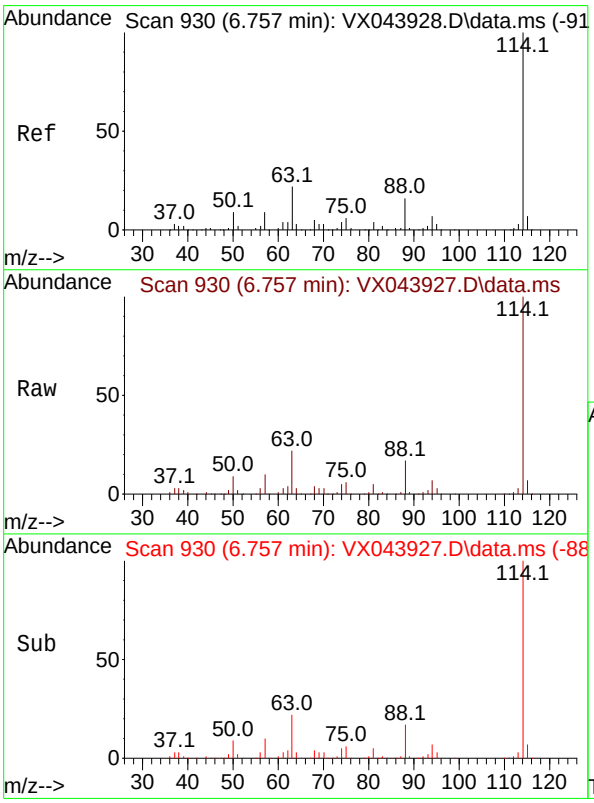

#33
1,2-Dichloroethane-d4
Concen: 20.437 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 48239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.9 | 0.0 | 100.8 |

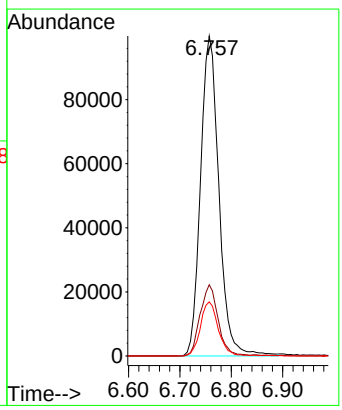


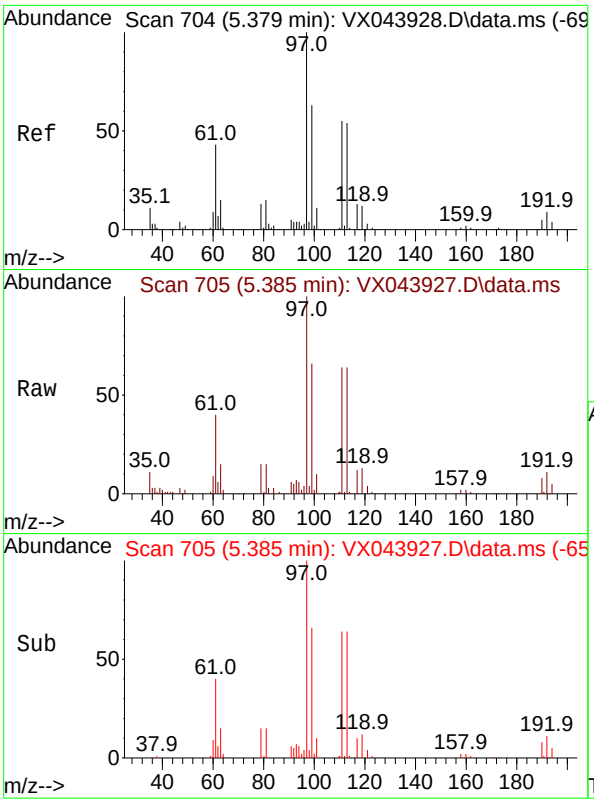




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:114 Resp: 247844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.2 | 0.0 | 44.0 |
| 88 | 16.9 | 0.0 | 32.4 |



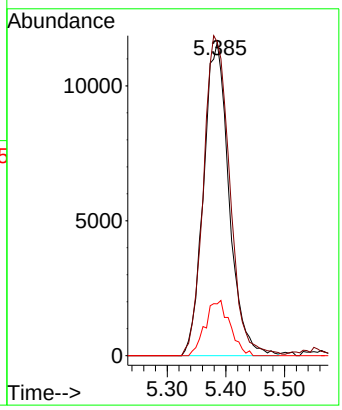


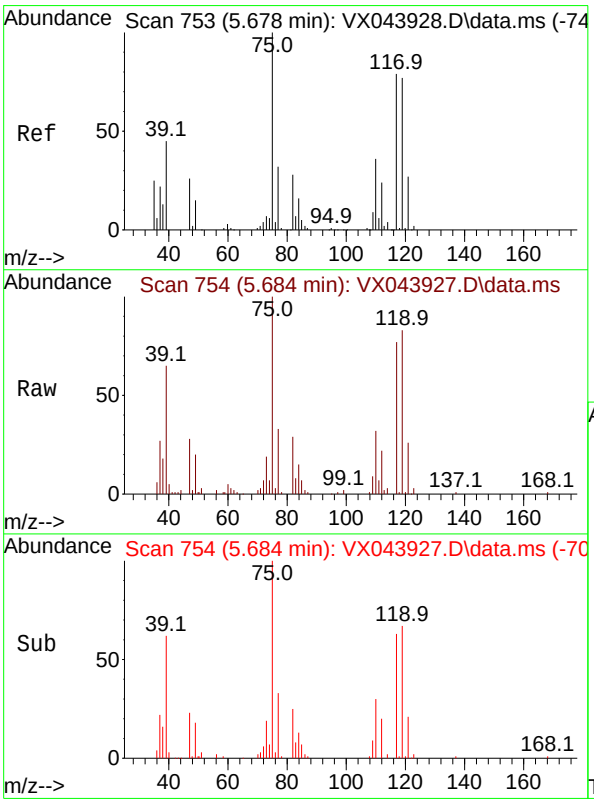

#35
Dibromofluoromethane
Concen: 19.772 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 35015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.0 | 81.0 | 121.4 |
| 192 | 17.1 | 13.0 | 19.6 |

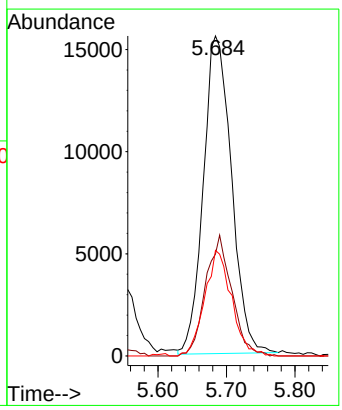


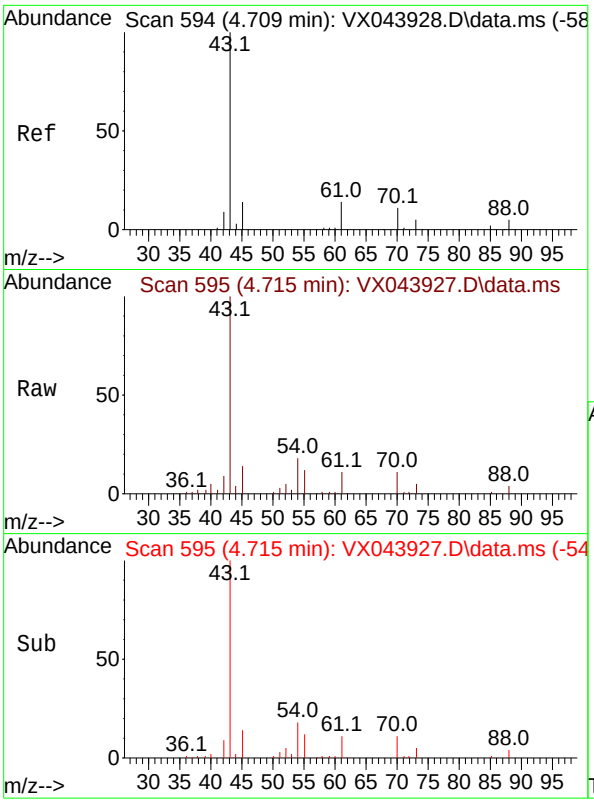




#36
1,1-Dichloropropene
Concen: 20.149 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 44465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.4 | 17.4 | 52.2 |
| 77 | 31.8 | 25.8 | 38.8 |



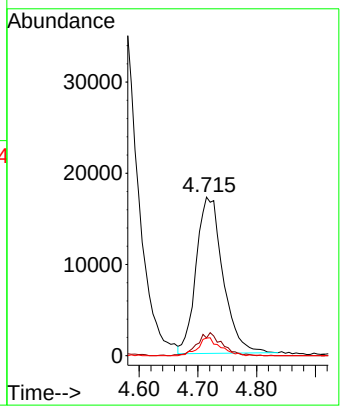


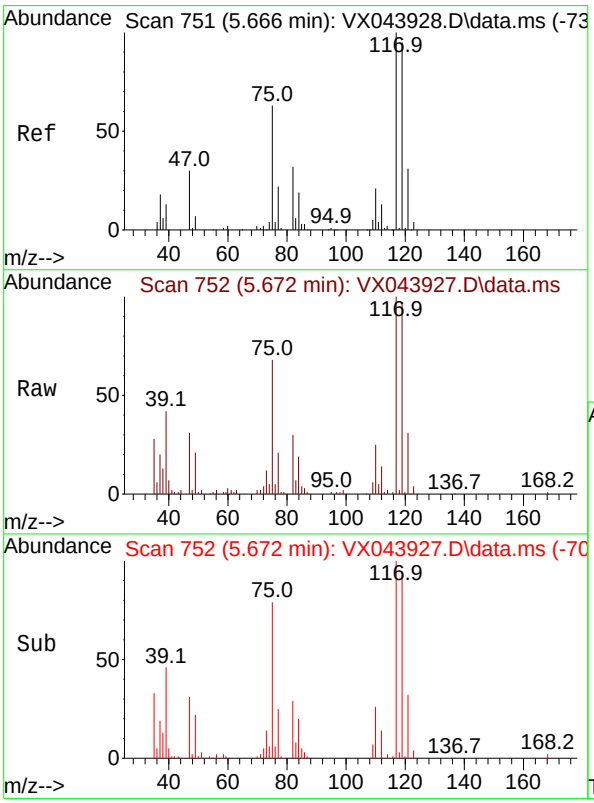

#37
Ethyl Acetate
Concen: 19.868 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 54426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.7 | 16.1 |
| 70 | 9.5 | 8.0 | 12.0 |

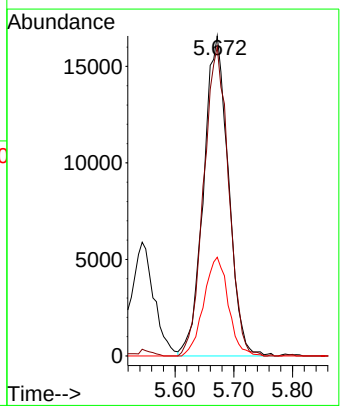


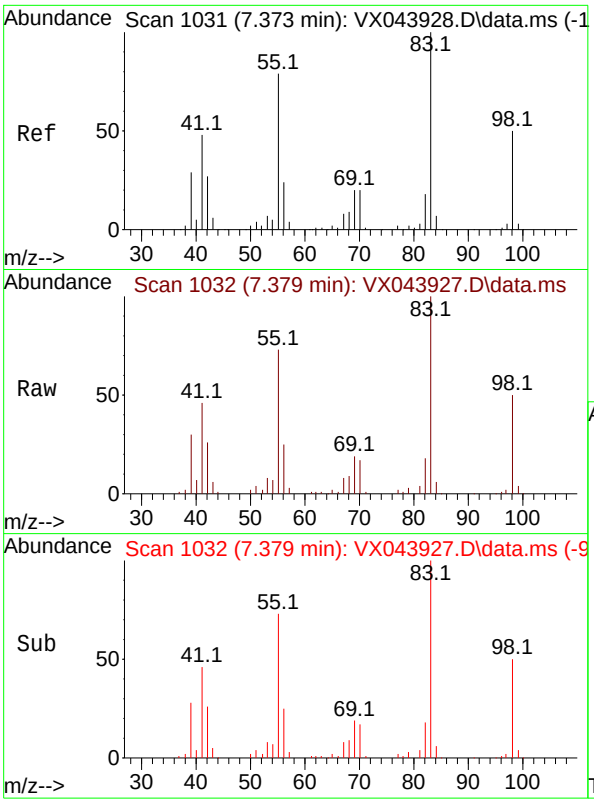




#38
Carbon Tetrachloride
Concen: 19.640 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 48701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.6 | 75.2 | 112.8 |
| 121 | 30.8 | 24.5 | 36.7 |



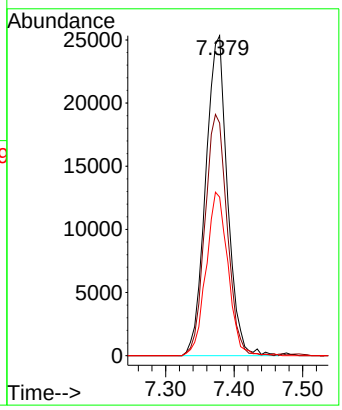


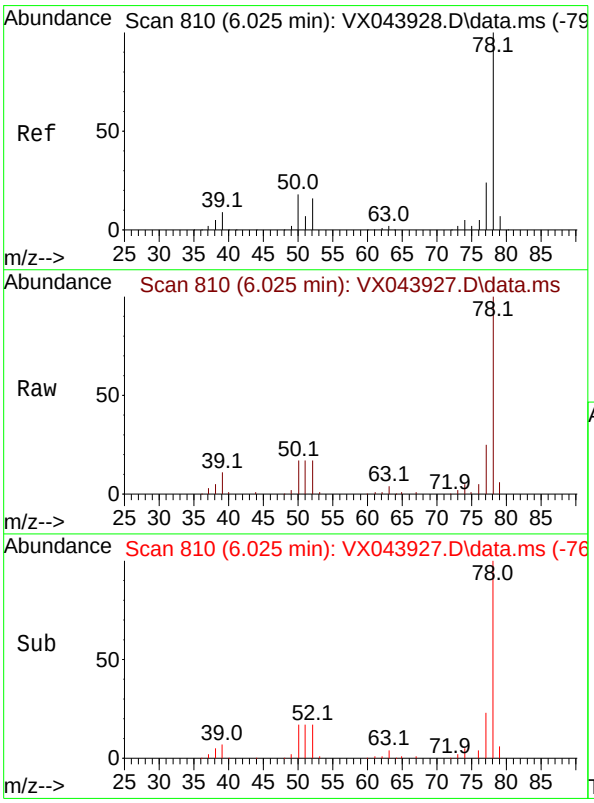

#39
Methylcyclohexane
Concen: 19.518 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 55958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 72.7 | 63.1 | 94.7 |
| 98 | 49.5 | 40.0 | 60.0 |

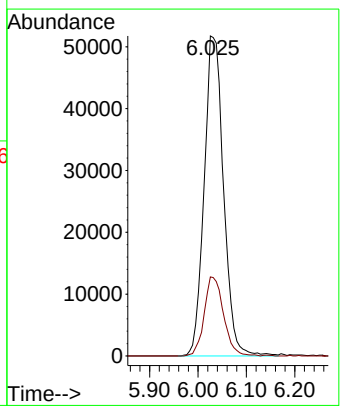


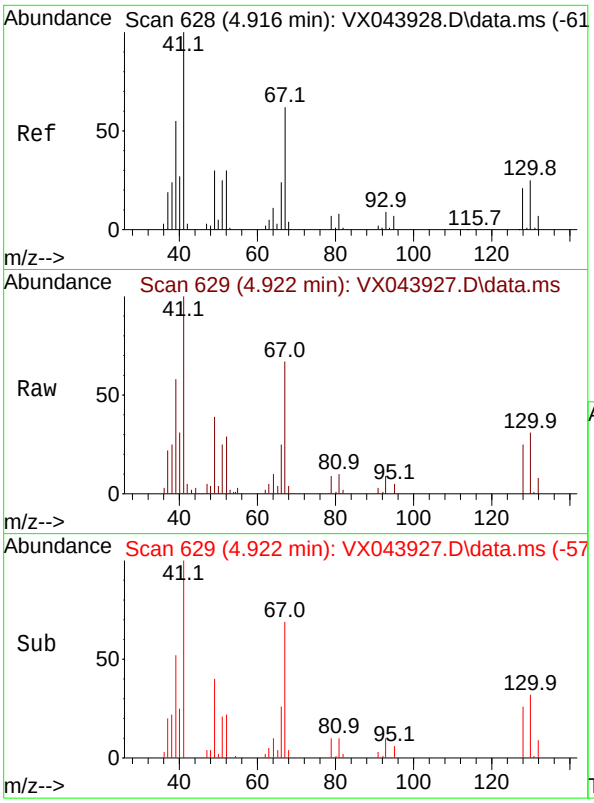




#40
Benzene
Concen: 21.006 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 78 Resp: 144401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.7 | 19.2 | 28.8 |



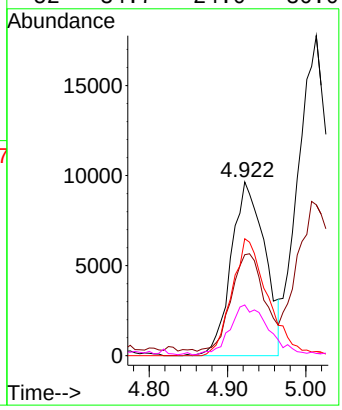


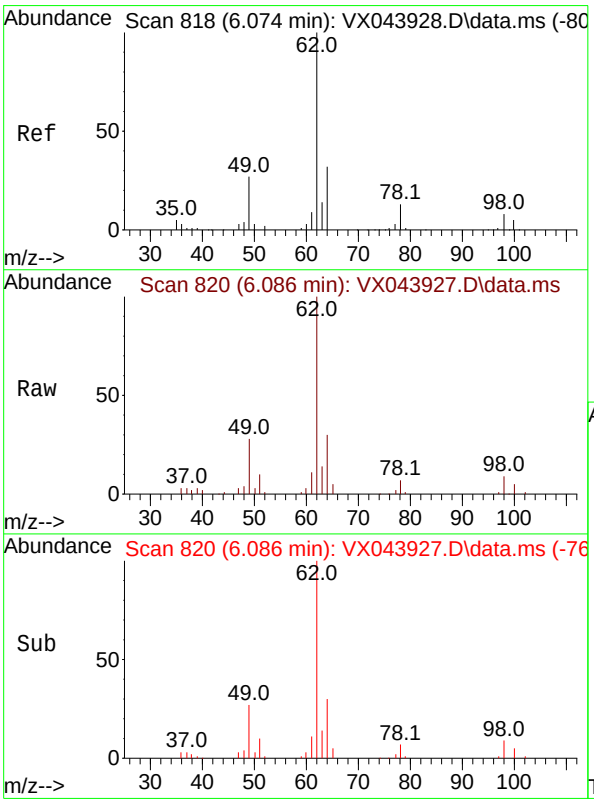

#41
Methacrylonitrile
Concen: 20.639 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 28938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.1 | 41.7 | 62.5 |
| 67 | 72.7 | 55.8 | 83.8 |
| 52 | 34.7 | 24.0 | 36.0 |

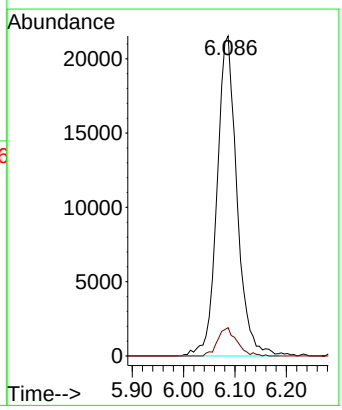


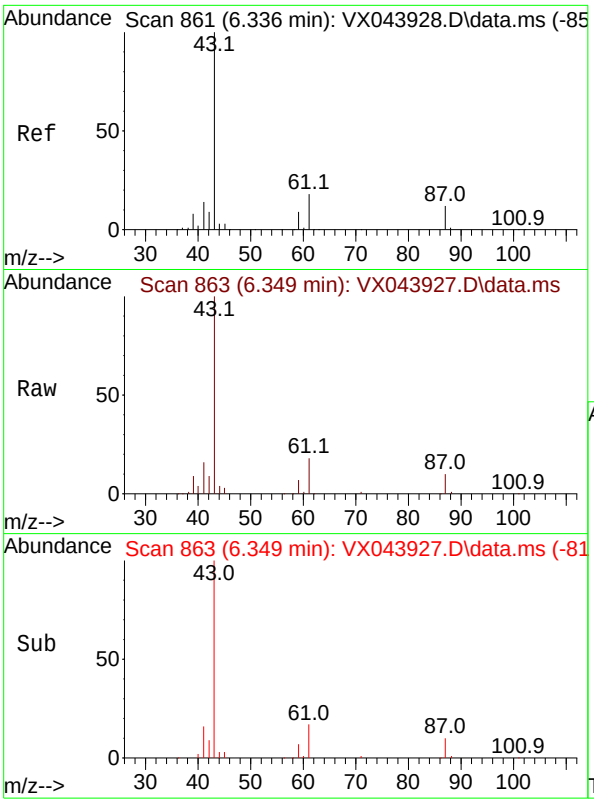




#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 62 Resp: 57981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 16.4 |



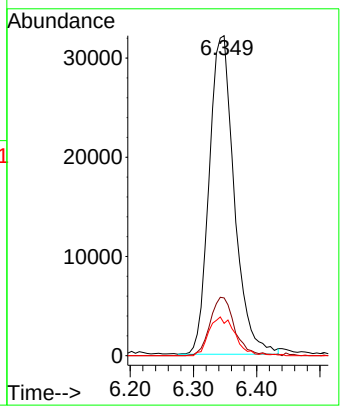


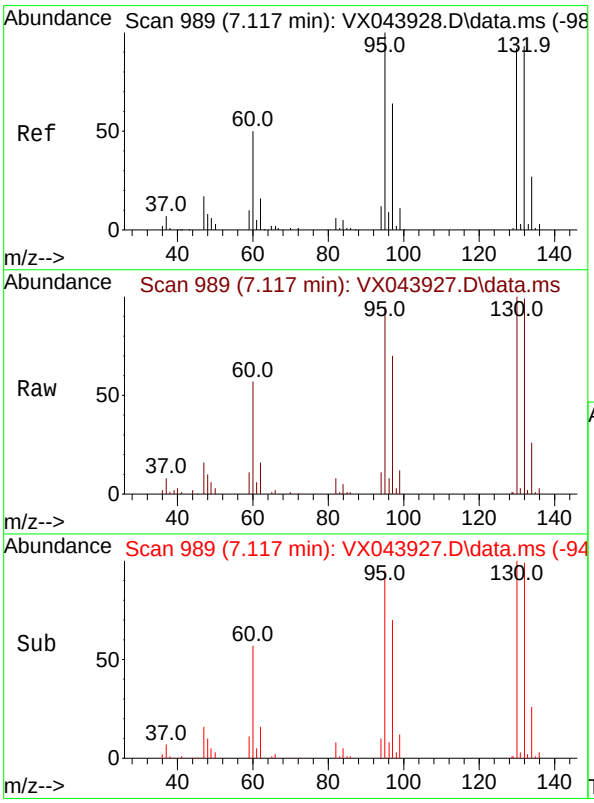

#43
Isopropyl Acetate
Concen: 20.318 ug/l
RT: 6.349 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 88577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.9 | 14.5 | 21.7 |
| 87 | 12.6 | 10.2 | 15.2 |

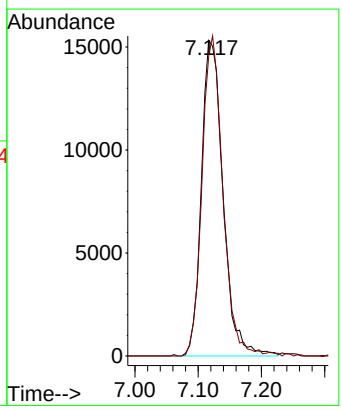


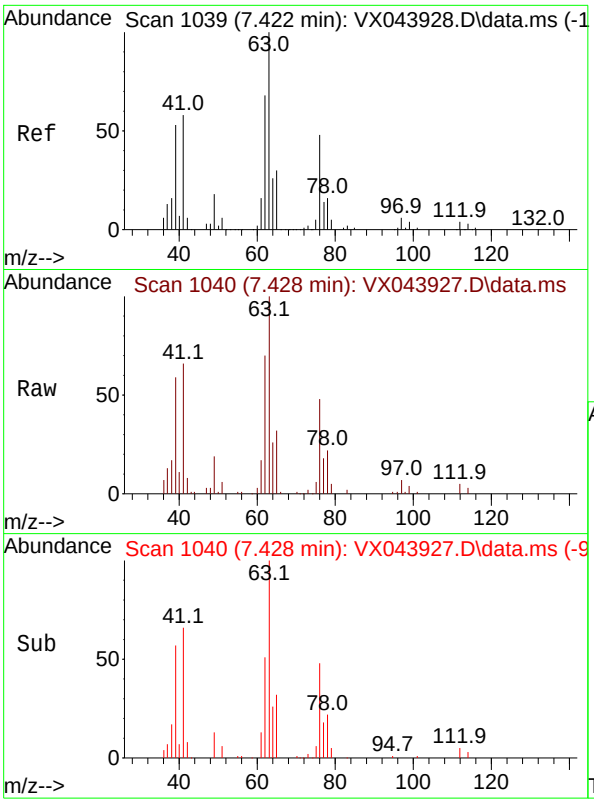




#44
Trichloroethene
Concen: 18.726 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:130 Resp: 36440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 95.2 | 0.0 | 217.8 |



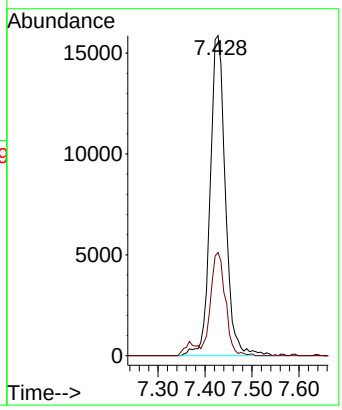


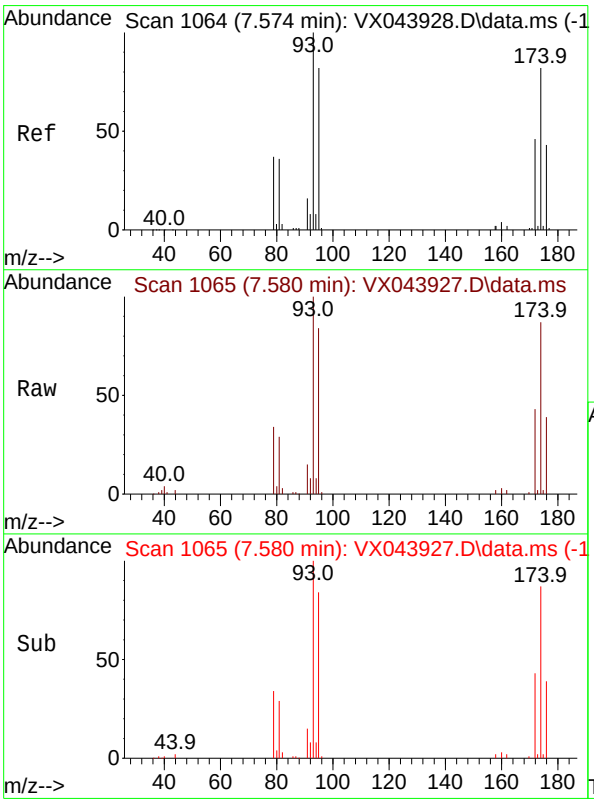

#45
1,2-Dichloropropane
Concen: 21.258 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 35791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 32.2 | 23.8 | 35.6 |

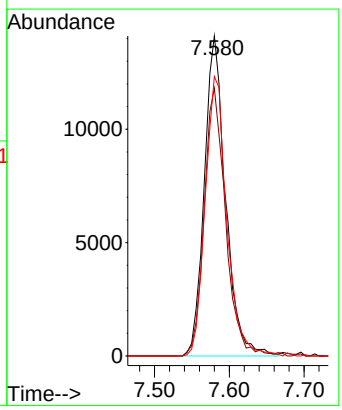


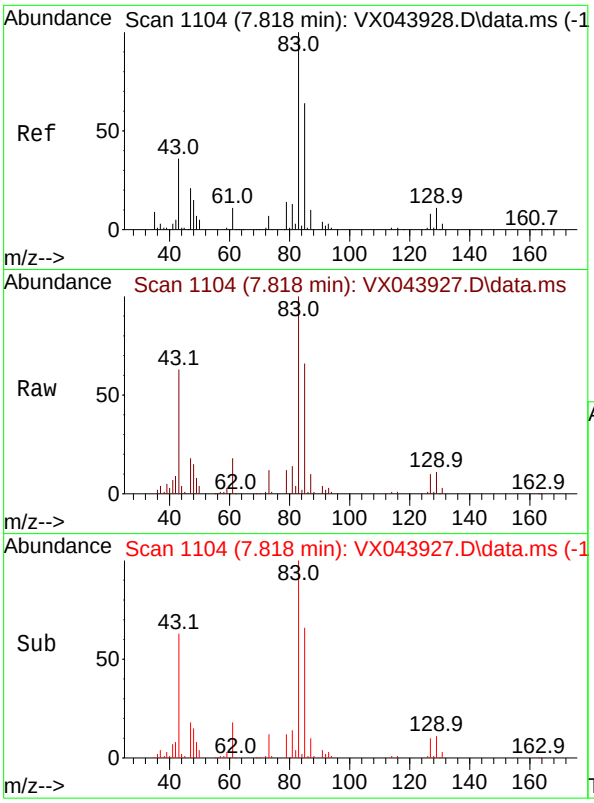




#46
Dibromomethane
Concen: 20.873 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 93 Resp: 27799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.4 | 66.2 | 99.4 |
| 174 | 89.0 | 69.6 | 104.4 |



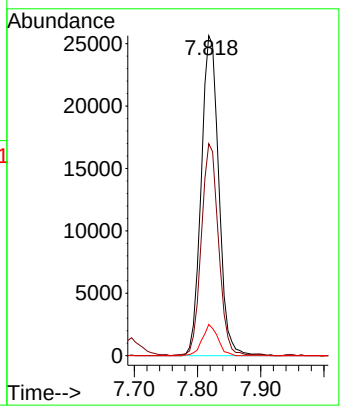


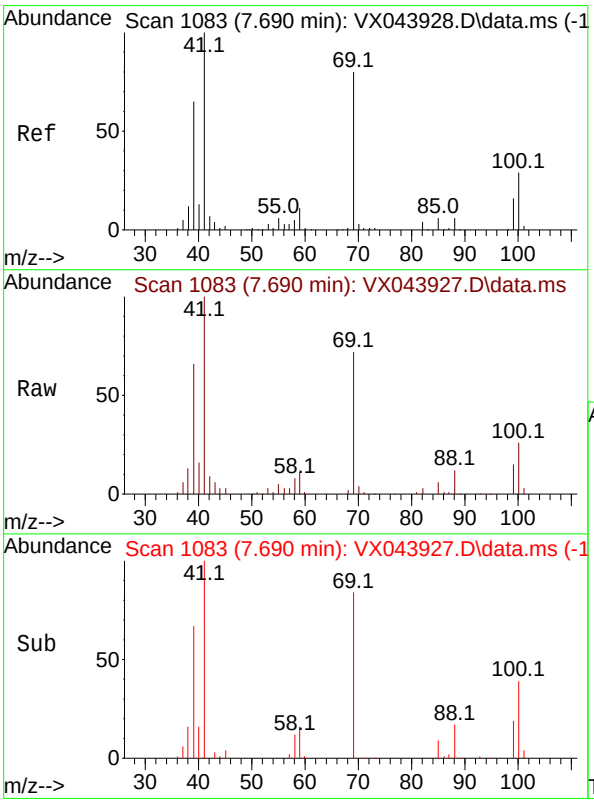

#47
Bromodichloromethane
Concen: 20.792 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 49665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 51.4 | 77.0 |
| 127 | 9.7 | 6.6 | 10.0 |

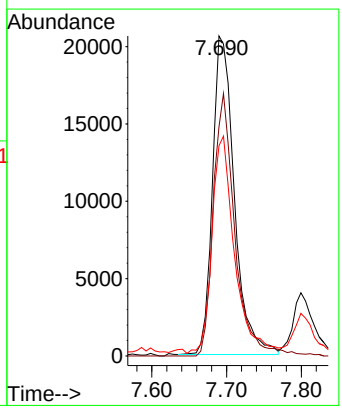


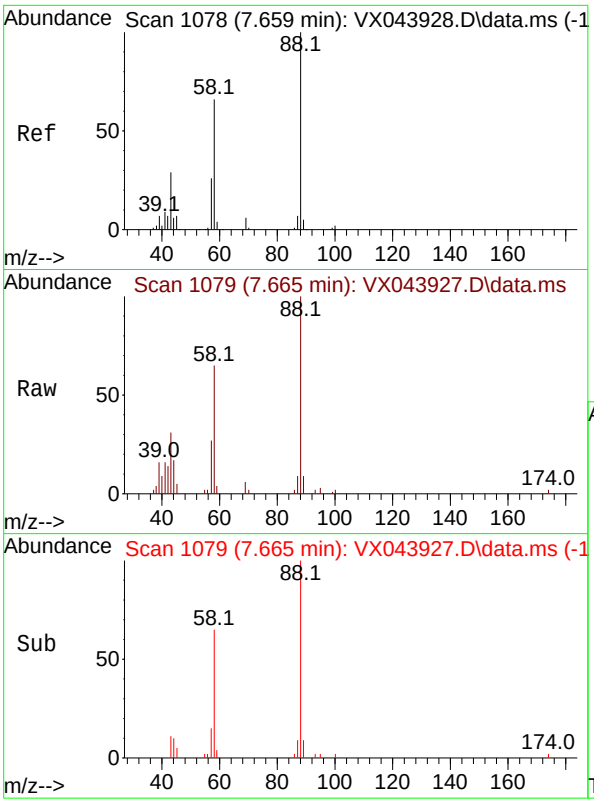




#48
Methyl methacrylate
Concen: 20.059 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.5 | 64.6 | 97.0 |
| 39 | 69.6 | 53.3 | 79.9 |



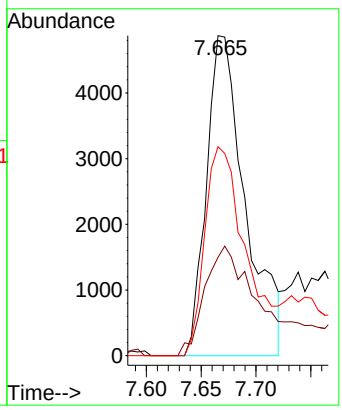


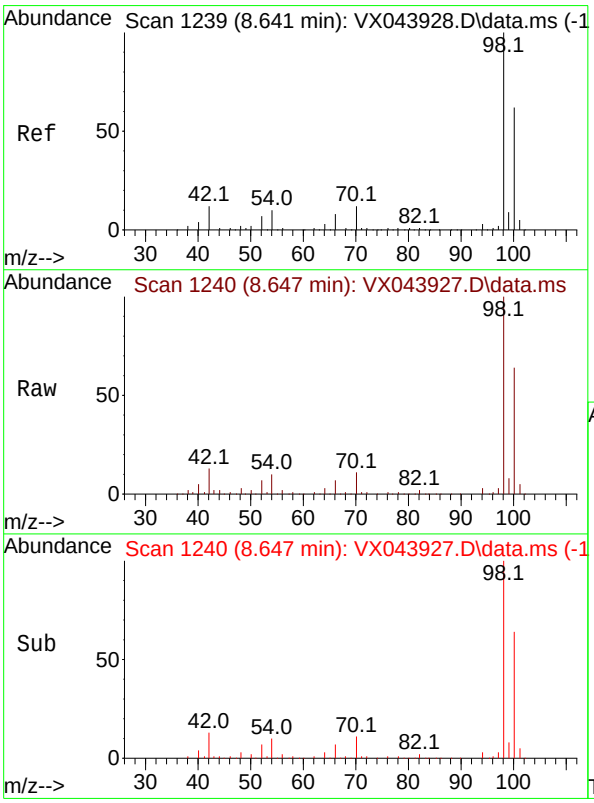

#49
1,4-Dioxane
Concen: 334.681 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 12071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 52.5 | 26.8 | 40.2# |
| 58 | 69.7 | 45.4 | 68.2# |

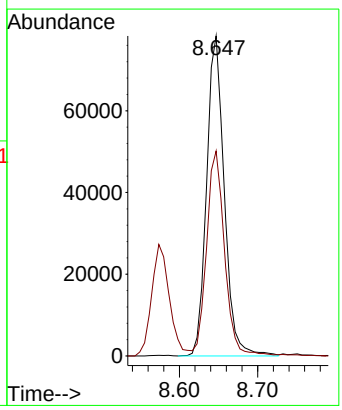


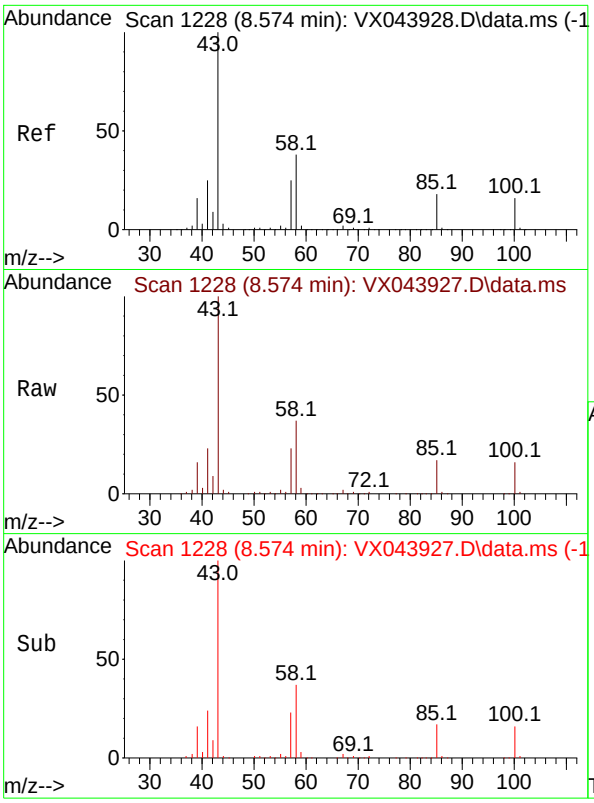




#50
Toluene-d8
Concen: 20.090 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.8 | 52.6 | 79.0 |



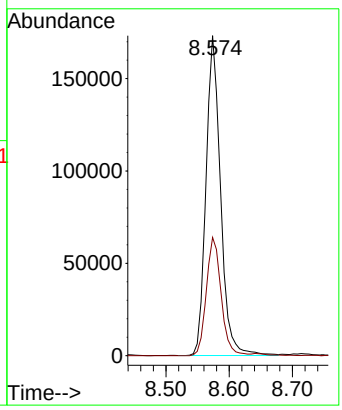


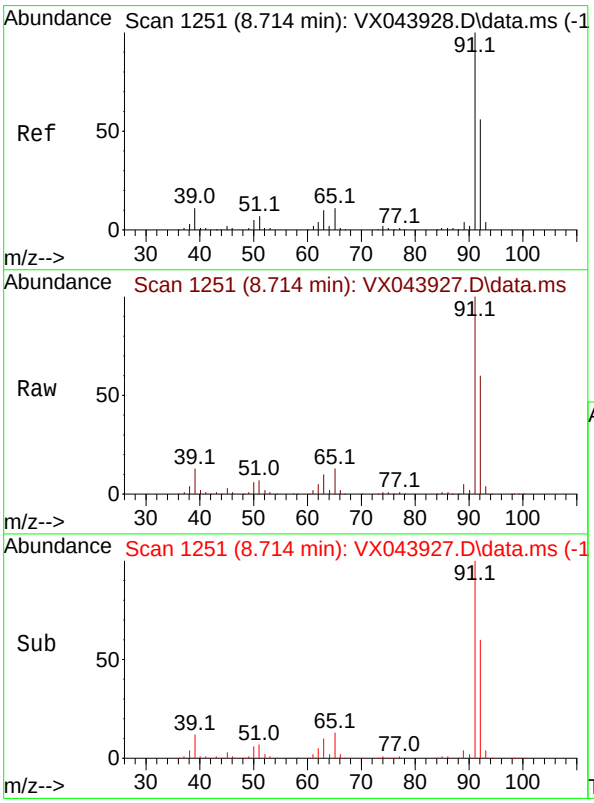

#51
4-Methyl-2-Pentanone
Concen: 104.673 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 278479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 30.0 | 45.0 |

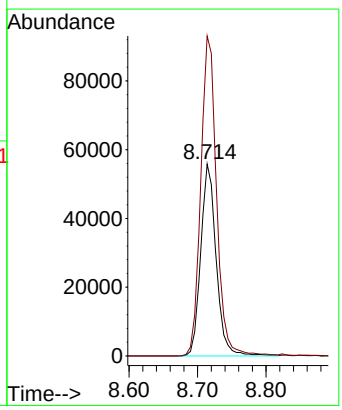


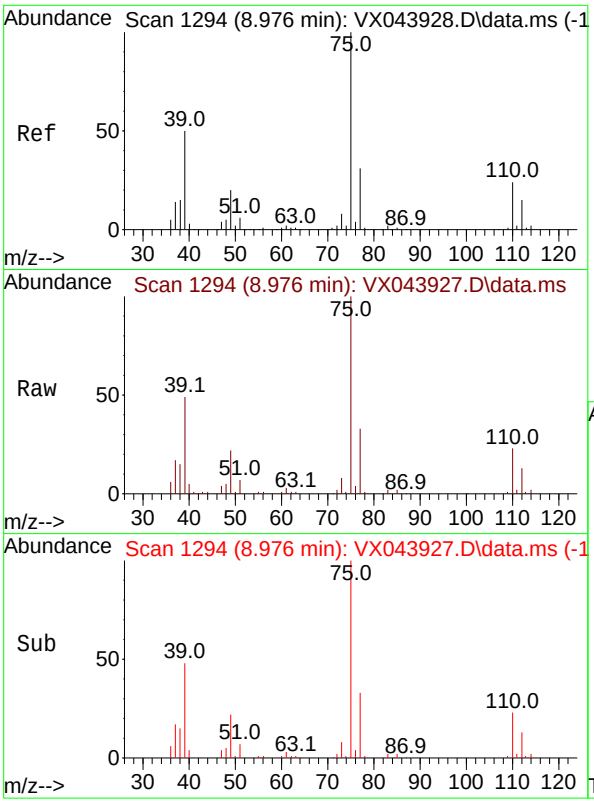




#52
Toluene
Concen: 21.284 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 92 Resp: 87569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.0 | 139.7 | 209.5 |



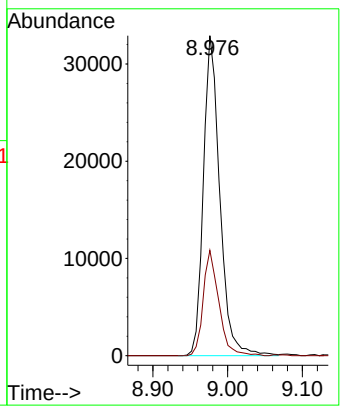


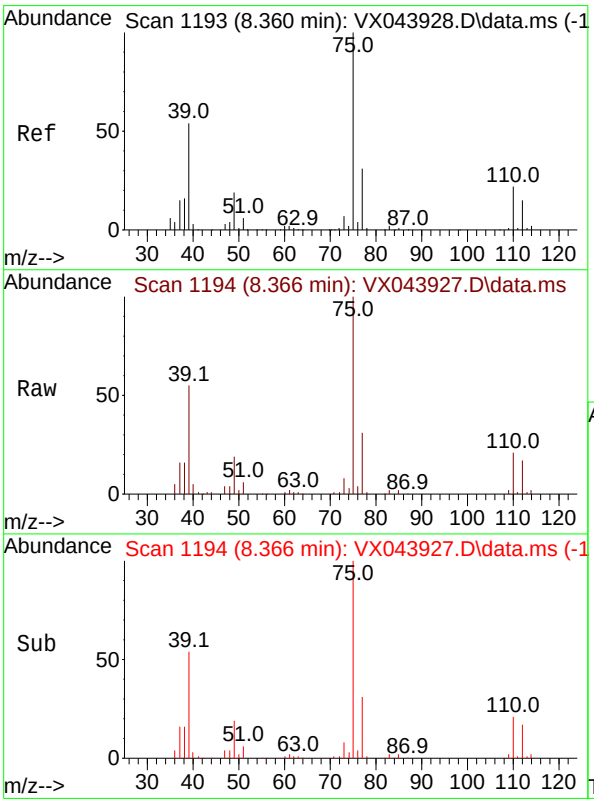

#53
t-1,3-Dichloropropene
Concen: 20.648 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 50294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.9 | 25.1 | 37.7 |

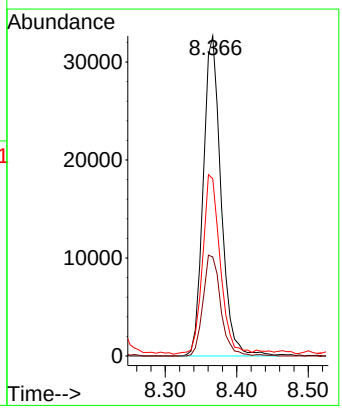


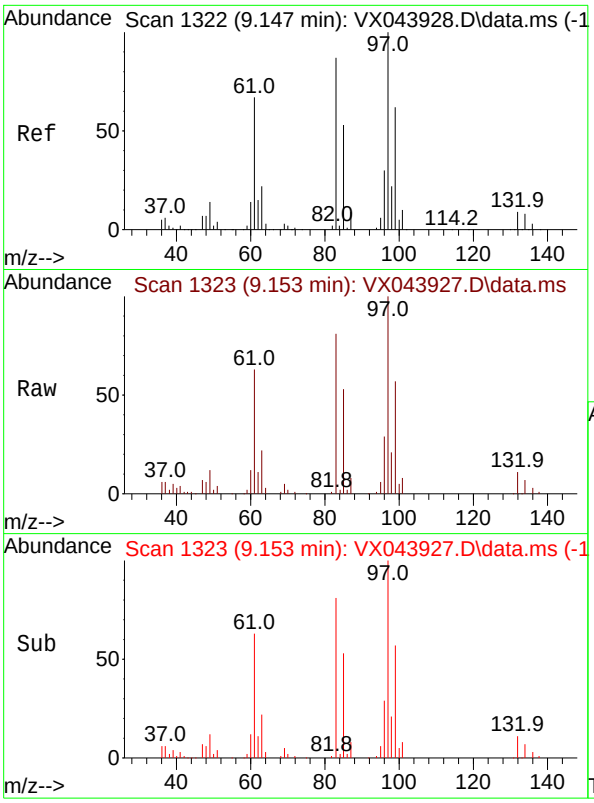




#54
cis-1,3-Dichloropropene
Concen: 21.124 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 56407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 25.2 | 37.8 |
| 39 | 54.6 | 43.1 | 64.7 |



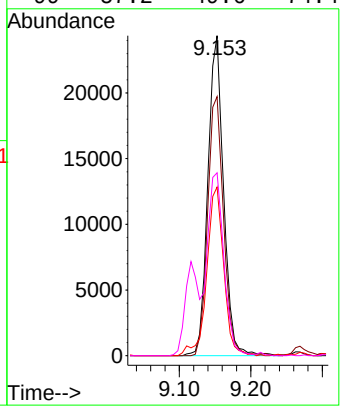


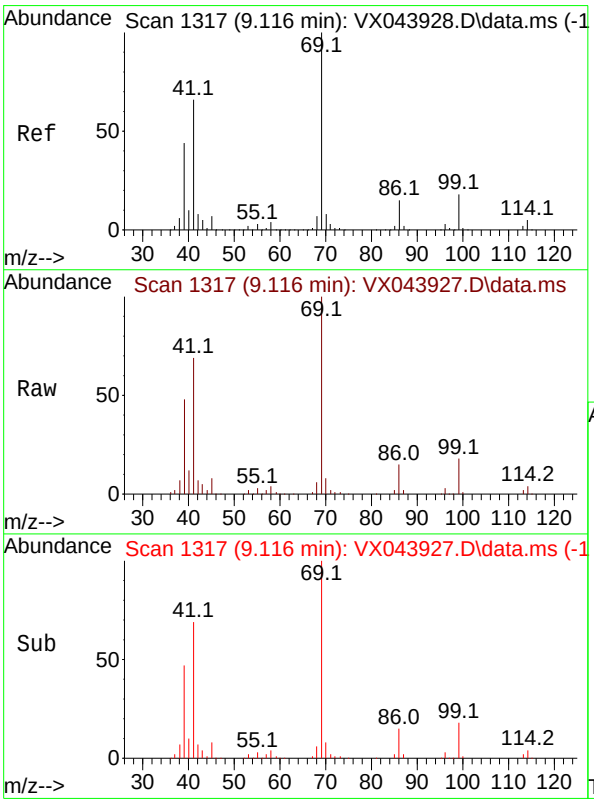

#55
1,1,2-Trichloroethane
Concen: 21.872 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 37148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 81.0 | 69.4 | 104.0 |
| 85 | 52.7 | 42.3 | 63.5 |
| 99 | 57.2 | 49.6 | 74.4 |

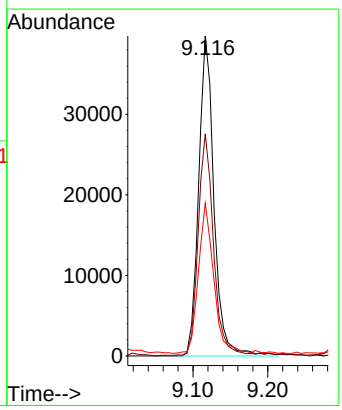


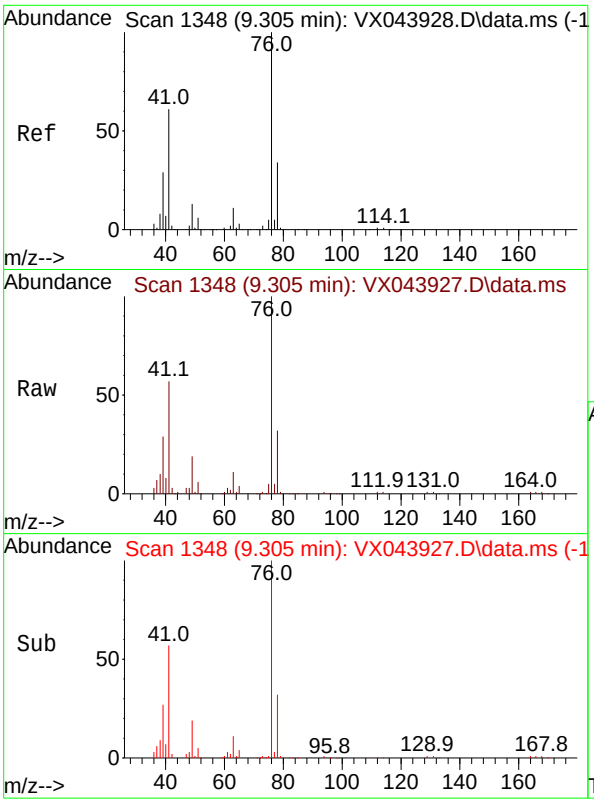




#56
Ethyl methacrylate
Concen: 21.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 69 Resp: 56585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.0 | 55.8 | 83.8 |
| 39 | 46.7 | 36.7 | 55.1 |



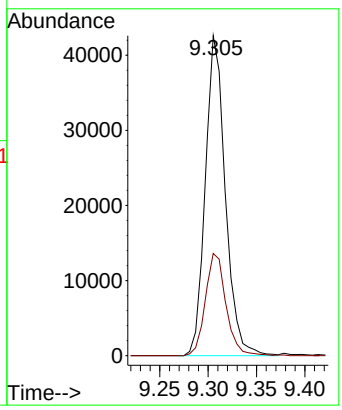


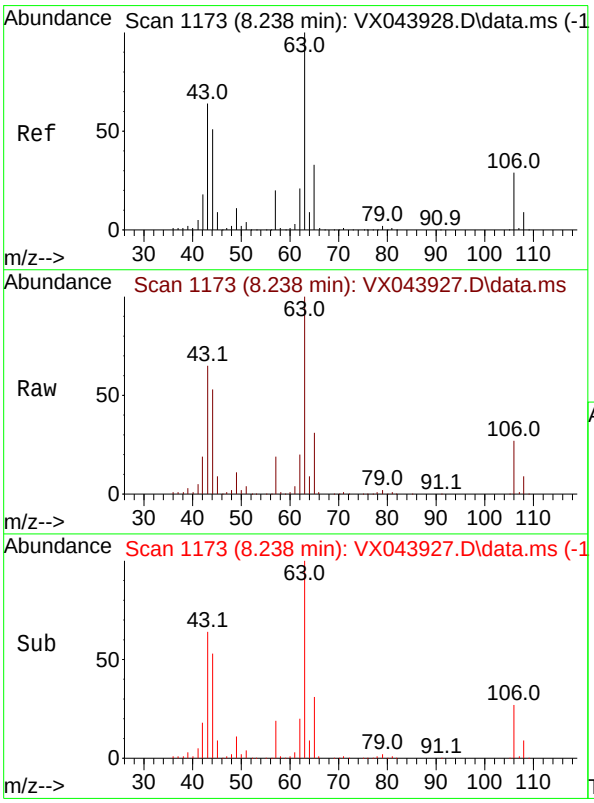

#57
1,3-Dichloropropane
Concen: 21.468 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 61420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.0 | 26.0 | 39.0 |

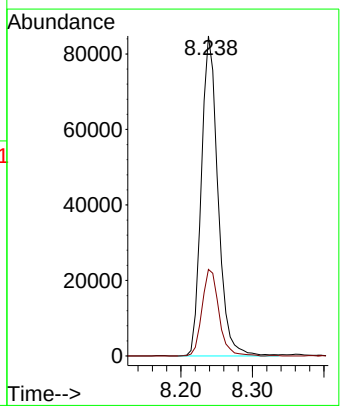


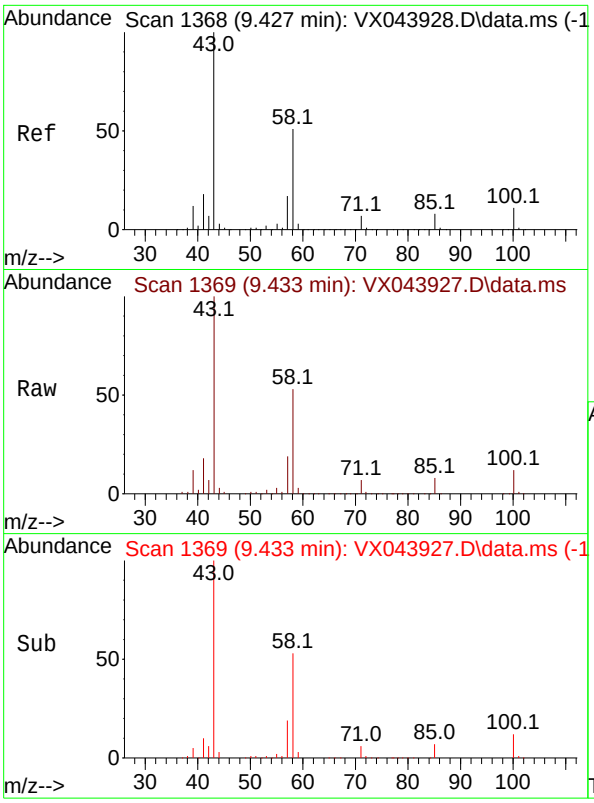




#58
2-Chloroethyl Vinyl ether
Concen: 93.712 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 23.0 | 34.6 |



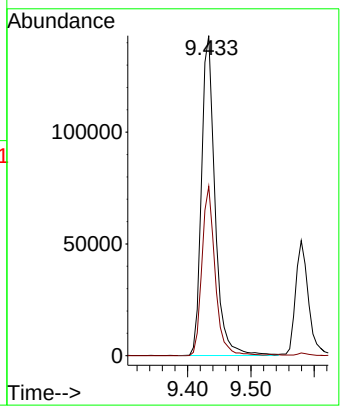


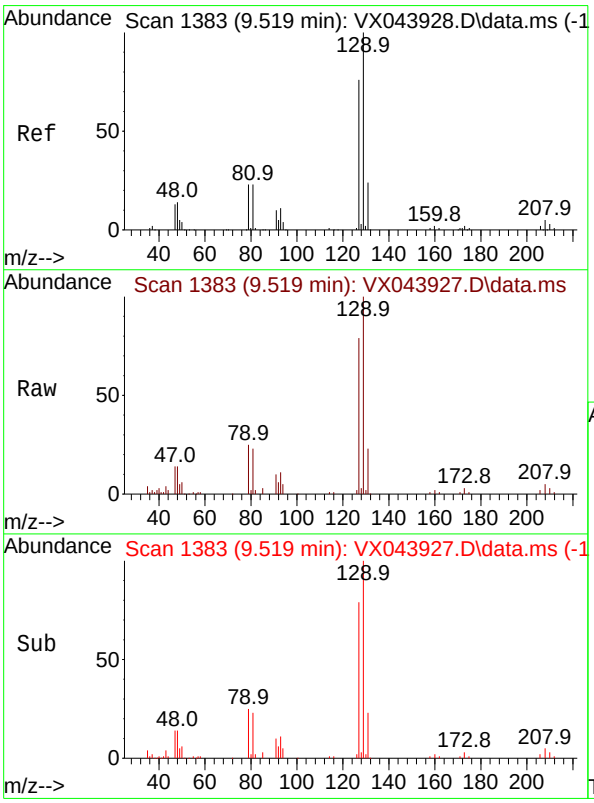

#59
2-Hexanone
Concen: 106.832 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 213629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.6 | 25.9 | 77.6 |

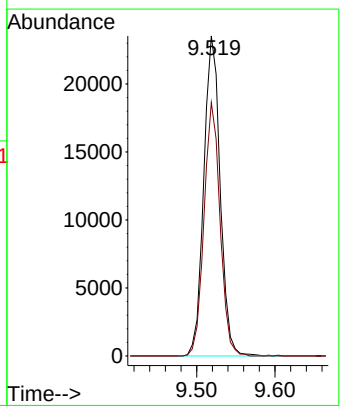


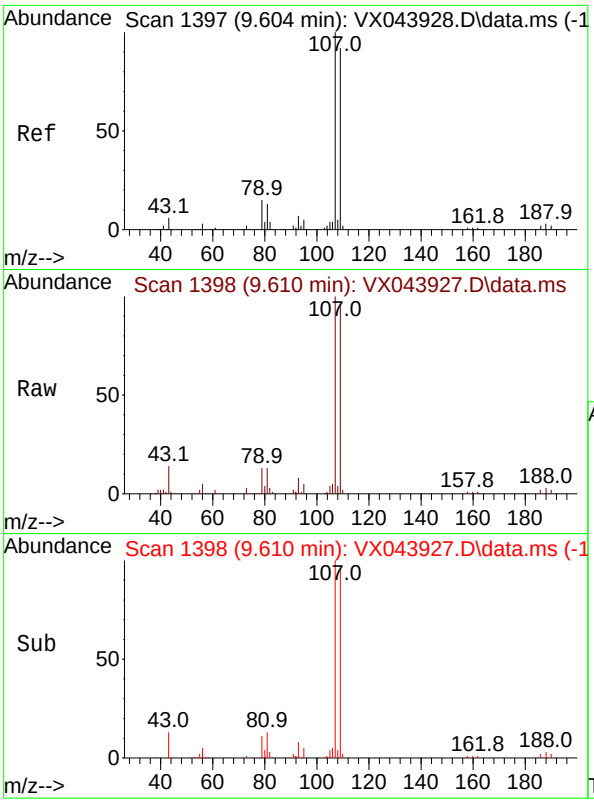




#60
Dibromochloromethane
Concen: 20.030 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:129 Resp: 34133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.4 | 38.2 | 114.6 |



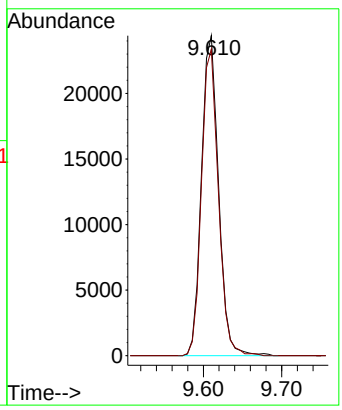


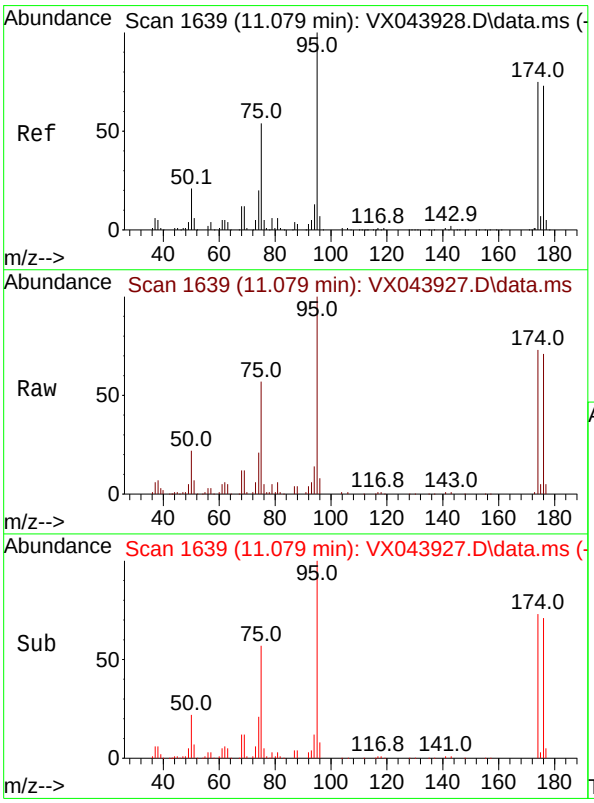

#61
1,2-Dibromoethane
Concen: 21.536 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 36985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.7 | 75.2 | 112.8 |

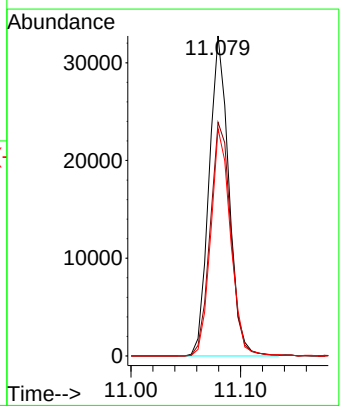


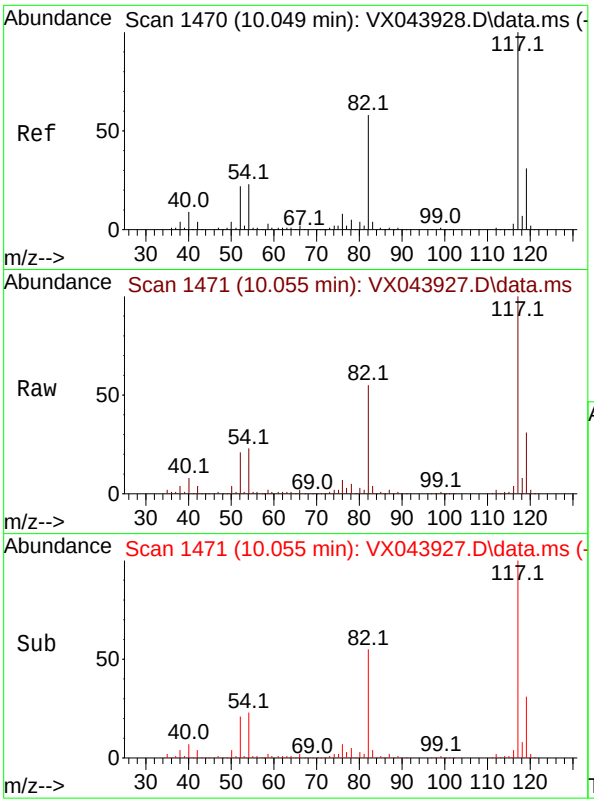




#62
4-Bromofluorobenzene
Concen: 19.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.2 | 0.0 | 150.4 |
| 176 | 71.1 | 0.0 | 146.0 |



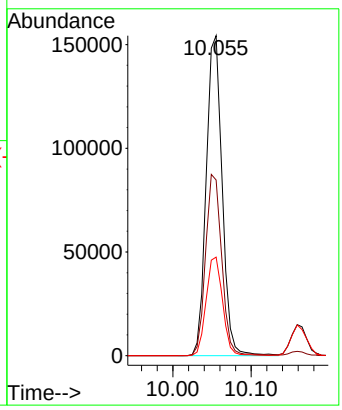


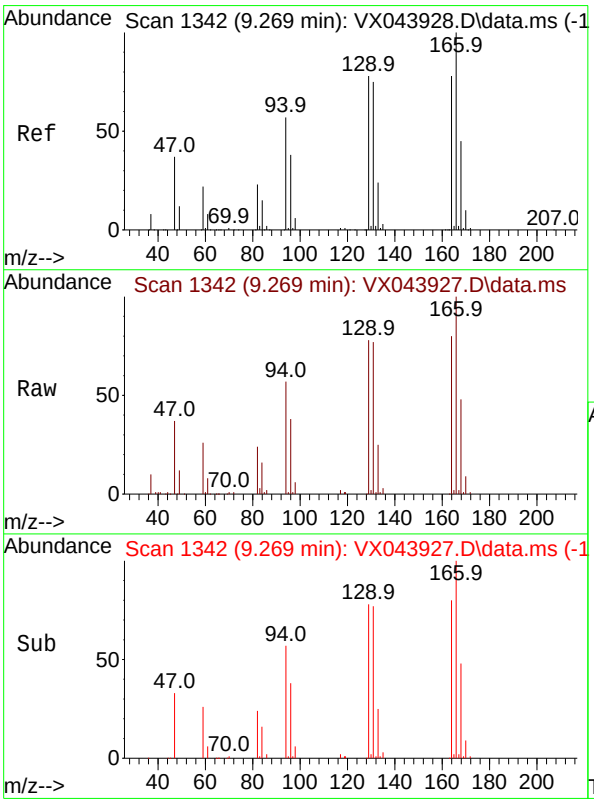

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 217871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 46.4 | 69.6 |
| 119 | 30.8 | 24.6 | 37.0 |

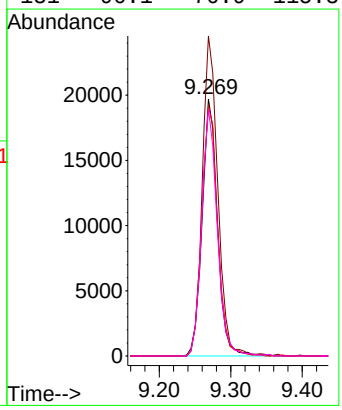


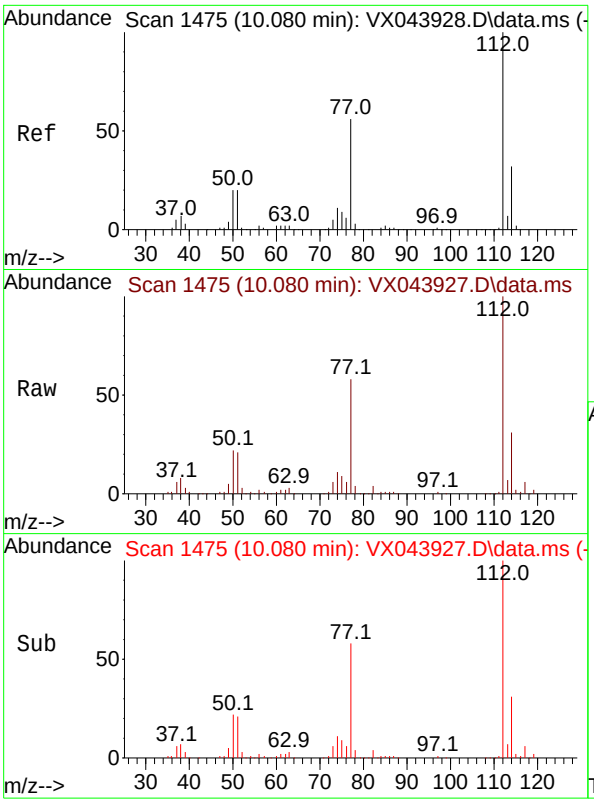




#64
Tetrachloroethene
Concen: 20.377 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.6 | 102.1 | 153.1 |
| 129 | 97.2 | 79.6 | 119.4 |
| 131 | 96.1 | 76.9 | 115.3 |



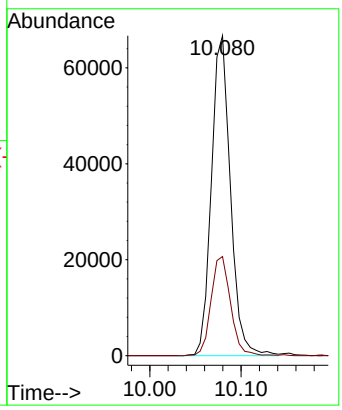


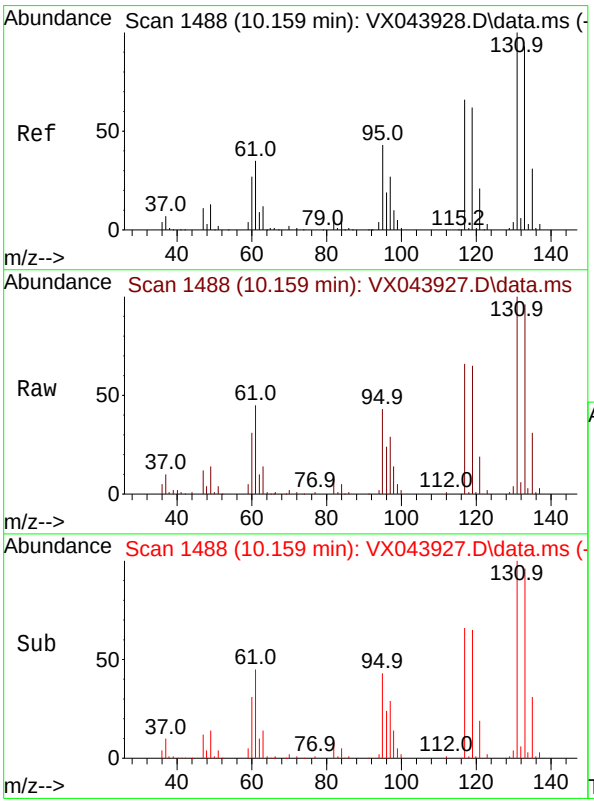

#65
Chlorobenzene
Concen: 20.160 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 96469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.4 | 38.0 |

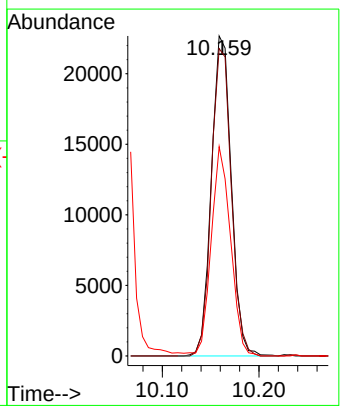


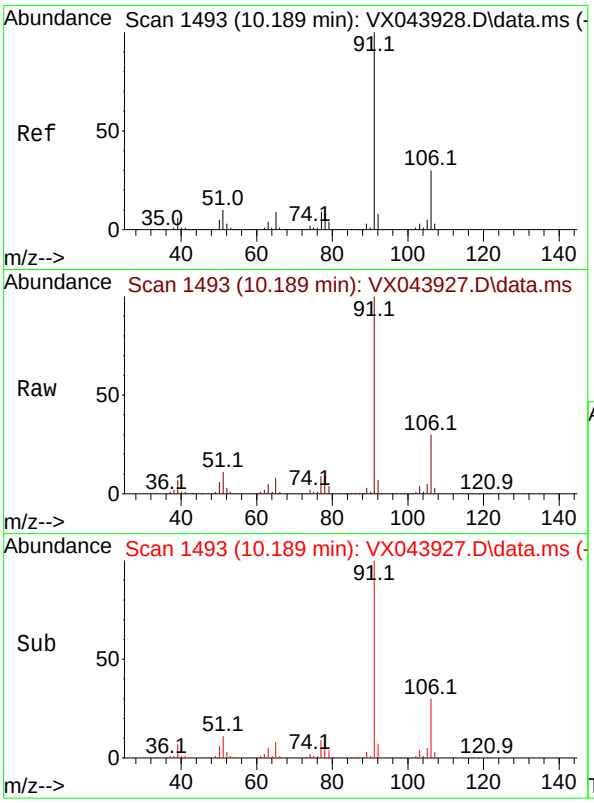




#66
1,1,1,2-Tetrachloroethane
Concen: 20.848 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.2 | 48.2 | 144.6 |
| 119 | 63.7 | 31.5 | 94.5 |



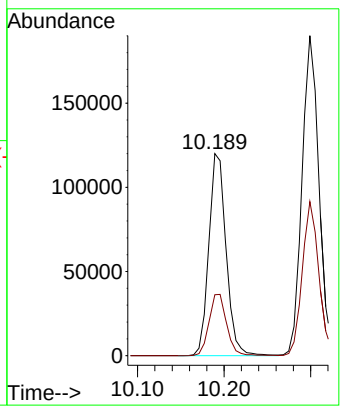


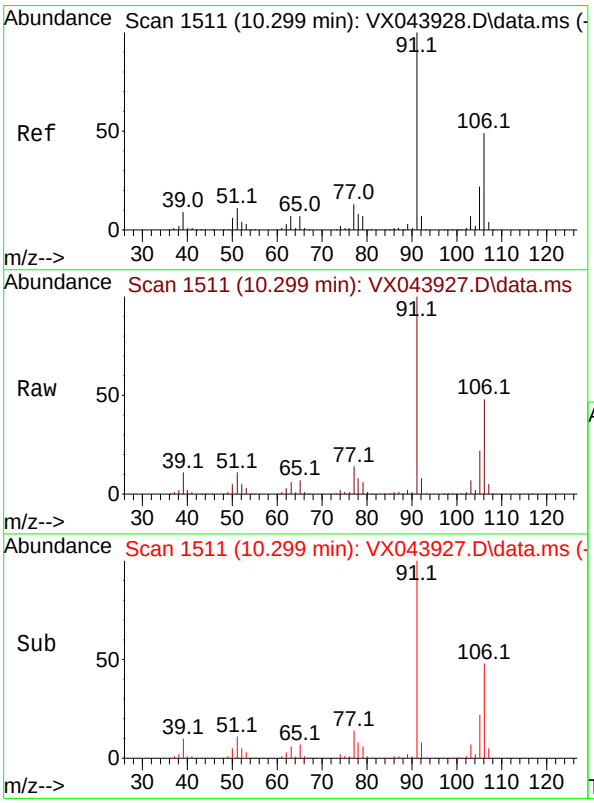

#67
Ethyl Benzene
Concen: 20.527 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 166435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.1 | 23.6 | 35.4 |

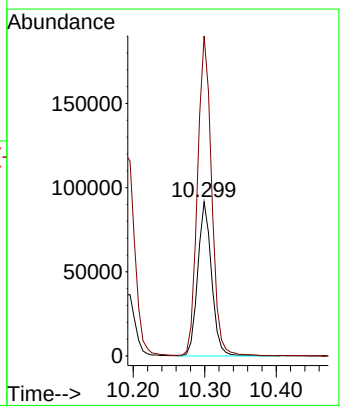


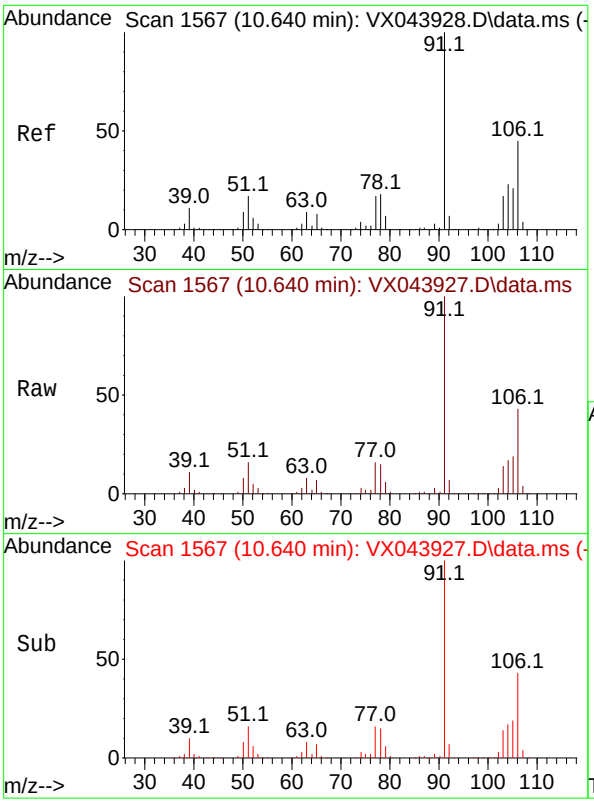




#68
m/p-Xylenes
Concen: 40.565 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:106 Resp: 122658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.9 | 168.1 | 252.1 |



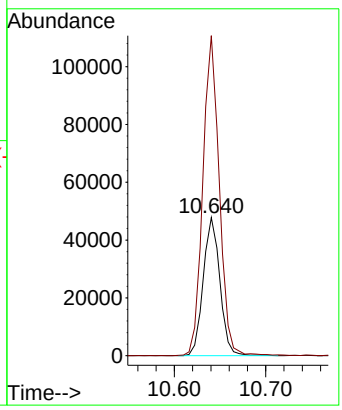


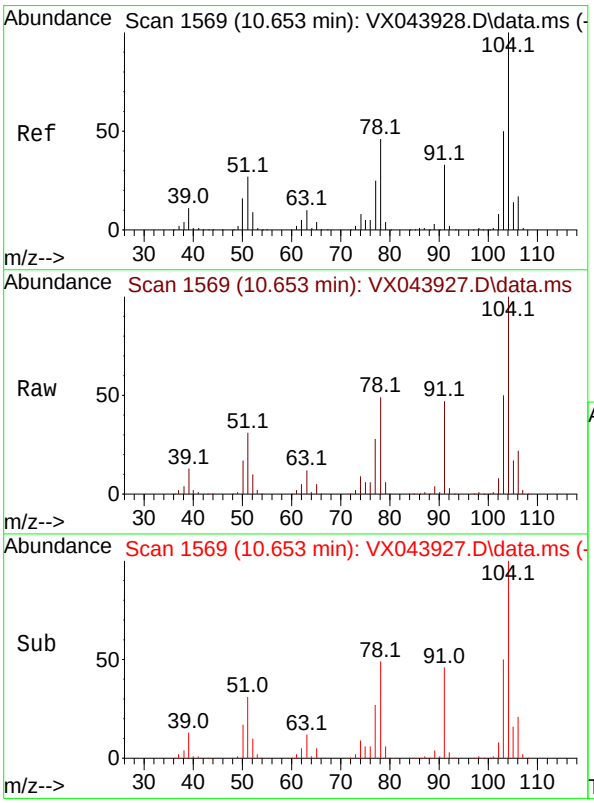

#69
o-Xylene
Concen: 20.409 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 60254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 229.5 | 110.2 | 330.6 |

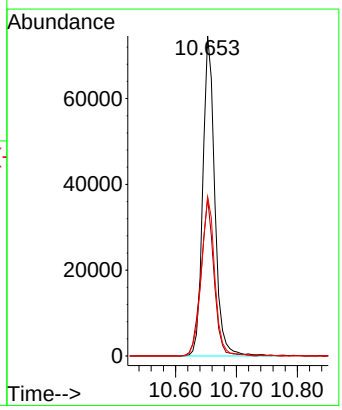


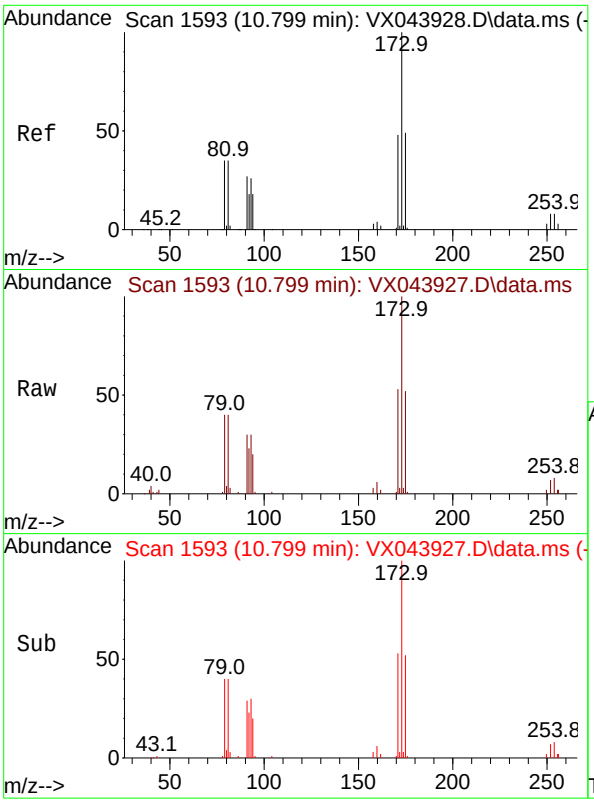




#70
Styrene
Concen: 20.956 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 42.2 | 63.2 |
| 103 | 55.5 | 44.7 | 67.1 |



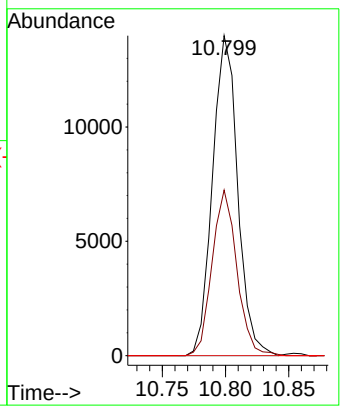


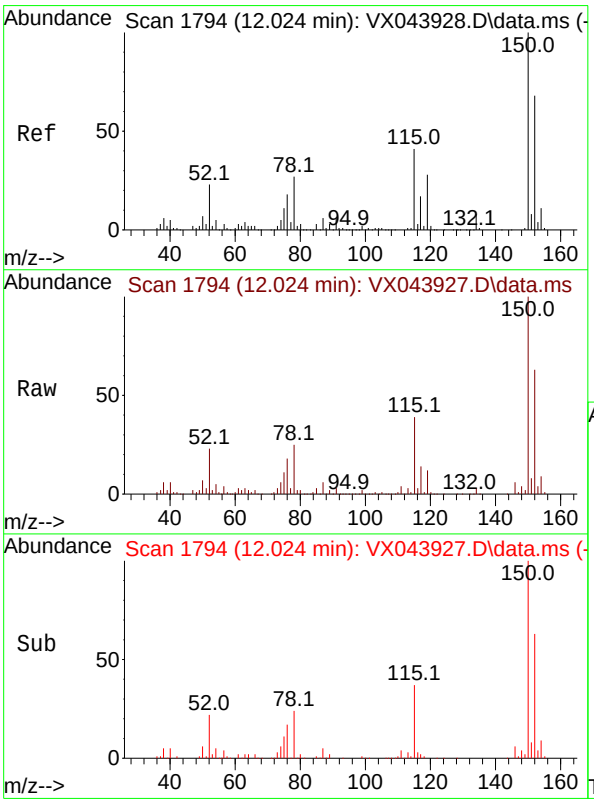

#71
Bromoform
Concen: 17.792 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 19329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.0 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

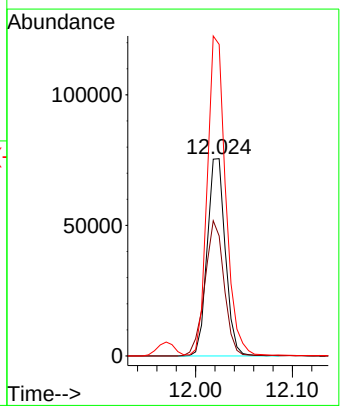


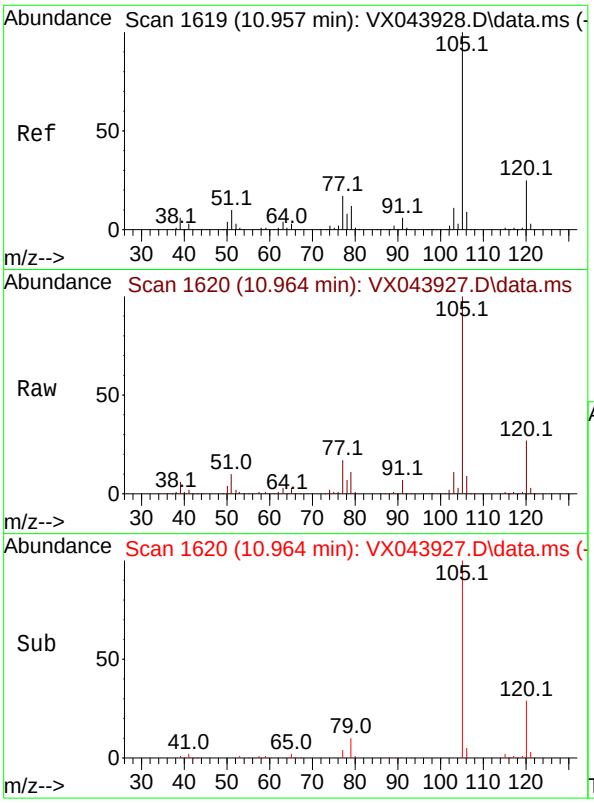




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:152 Resp: 98477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.0 | 45.4 | 136.2 |
| 150 | 165.0 | 0.0 | 353.0 |



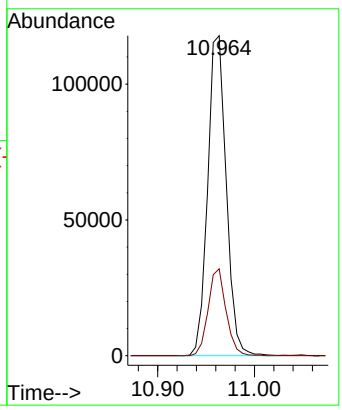


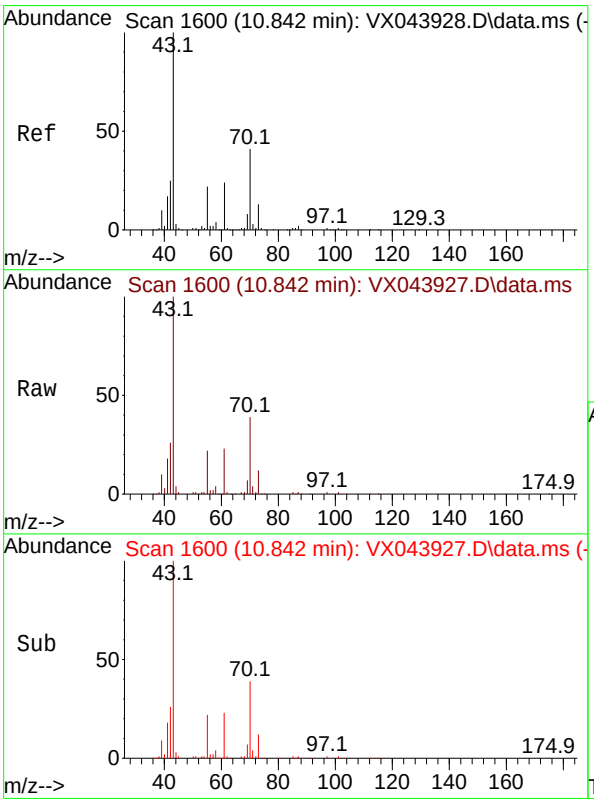

#73
Isopropylbenzene
Concen: 20.794 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 157405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 13.0 | 38.9 |

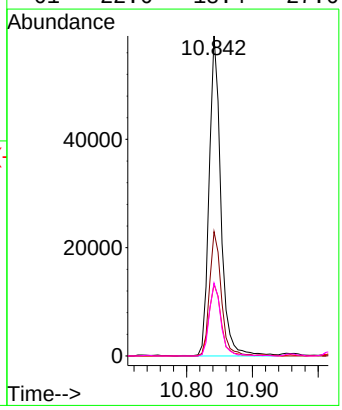


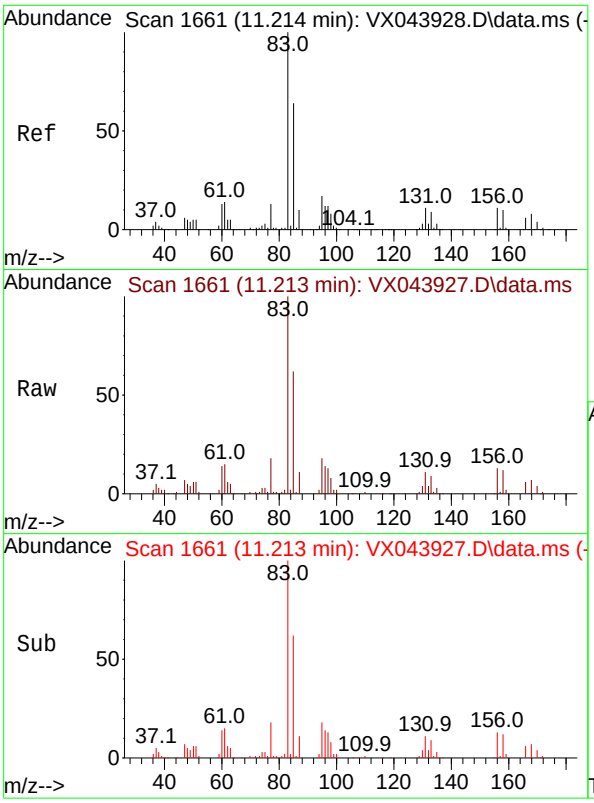




#74
N-amyl acetate
Concen: 20.967 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.1 | 32.2 | 48.2 |
| 55 | 23.3 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |



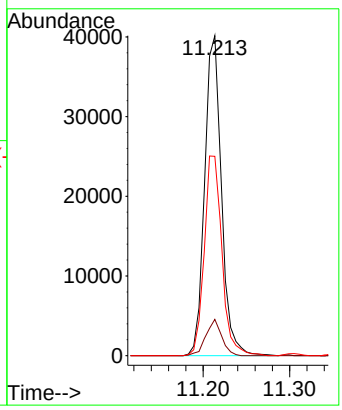


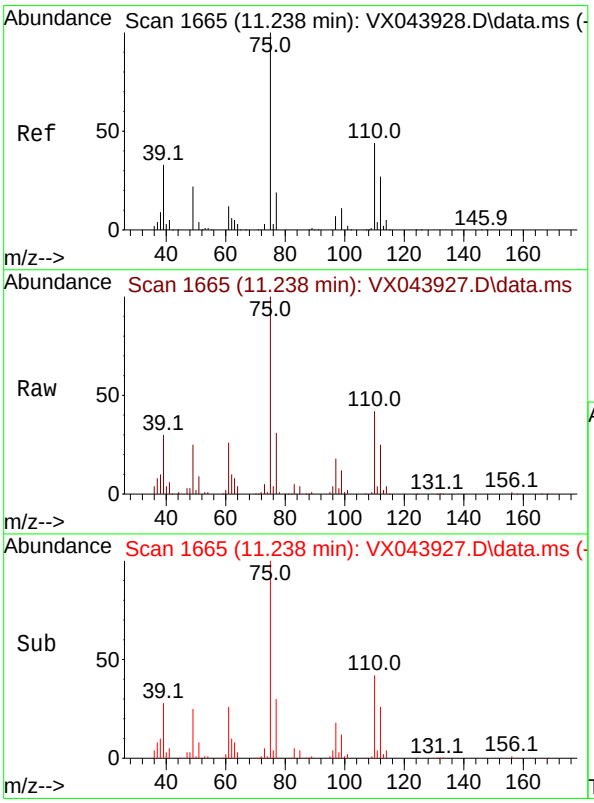

#75
1,1,2,2-Tetrachloroethane
Concen: 20.894 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 54158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.7 | 5.1 | 15.2 |
| 85 | 65.7 | 32.2 | 96.6 |

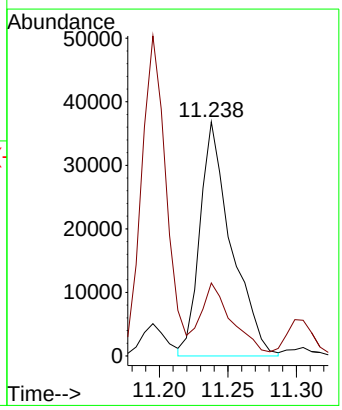


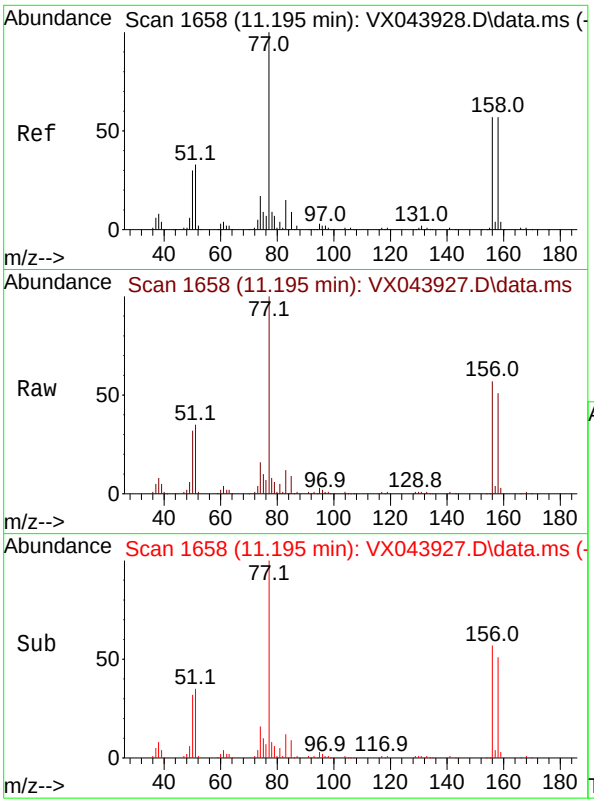




#76
1,2,3-Trichloropropane
Concen: 27.659 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 58738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 21.8 | 65.3 |



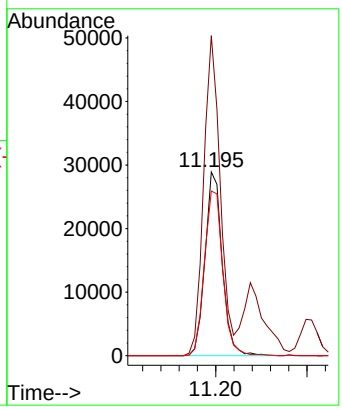


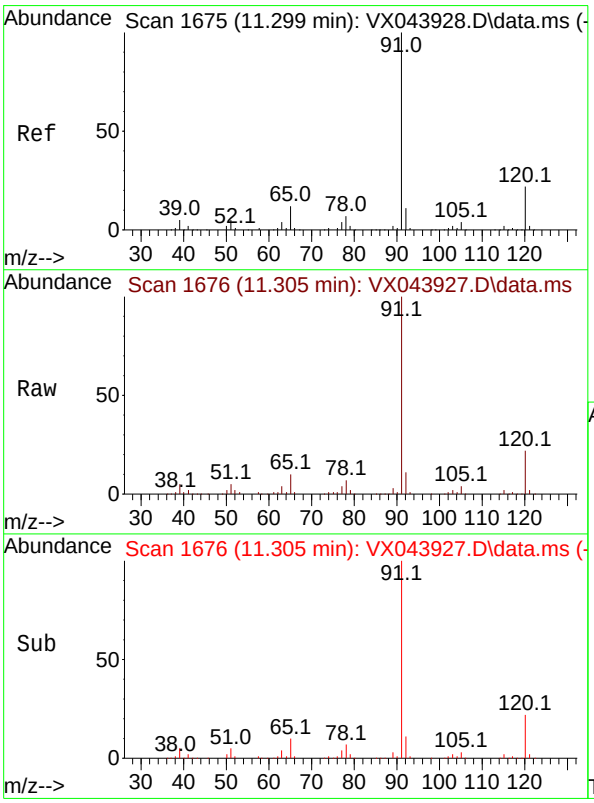

#77
Bromobenzene
Concen: 20.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 37631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 167.6 | 83.4 | 250.1 |
| 158 | 96.0 | 47.6 | 142.8 |

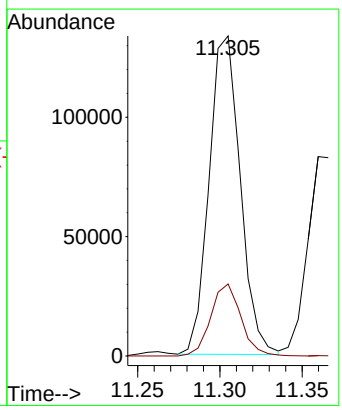


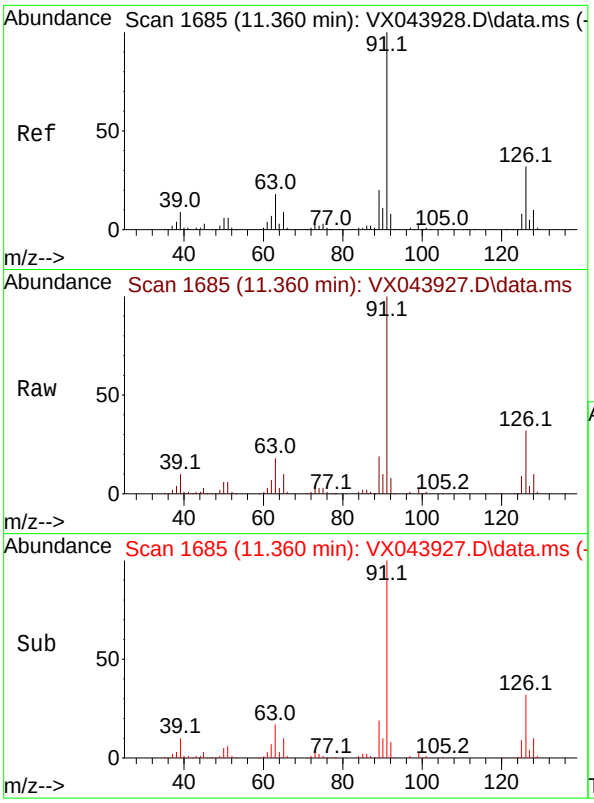




#78
n-propylbenzene
Concen: 20.821 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 176034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.8 | 11.5 | 34.4 |



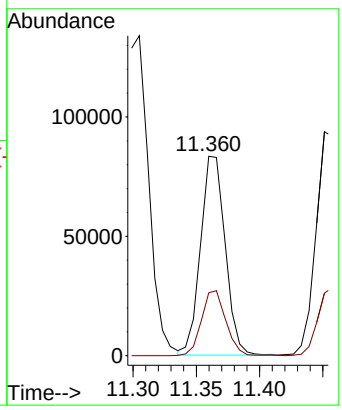


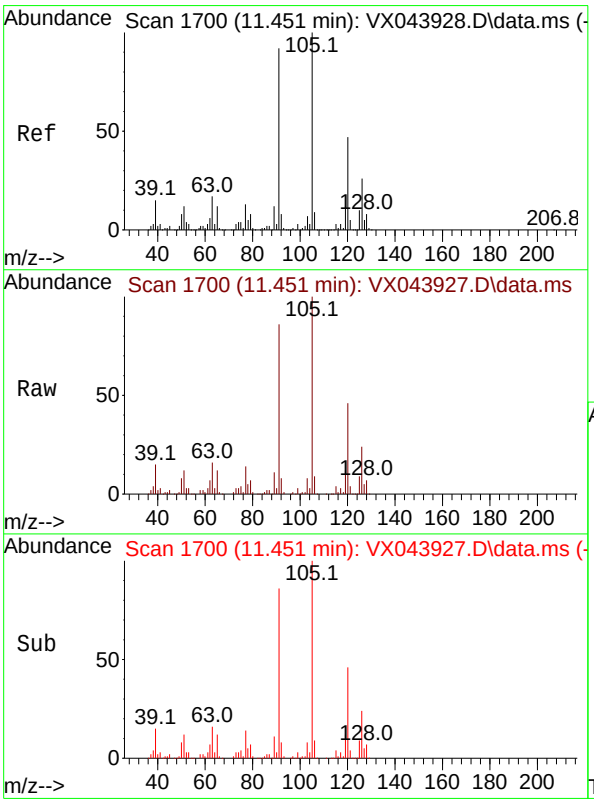

#79
2-Chlorotoluene
Concen: 21.134 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 112986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.4 | 16.6 | 49.8 |

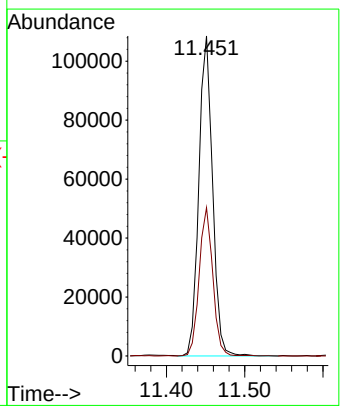


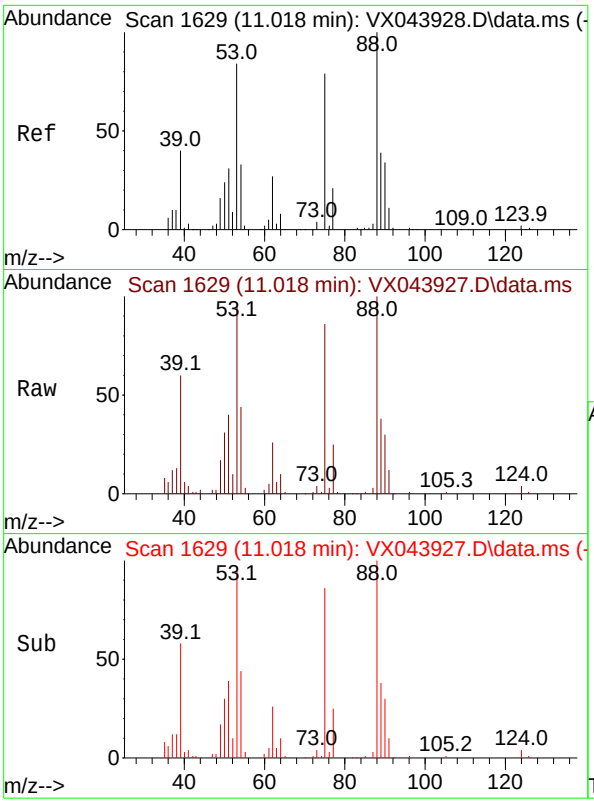




#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.0 | 23.3 | 69.8 |



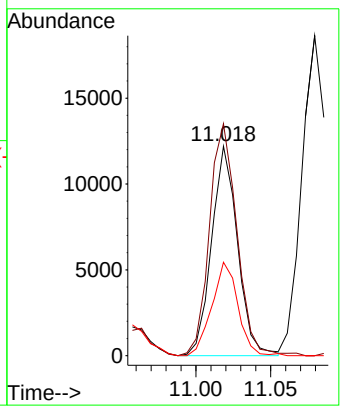


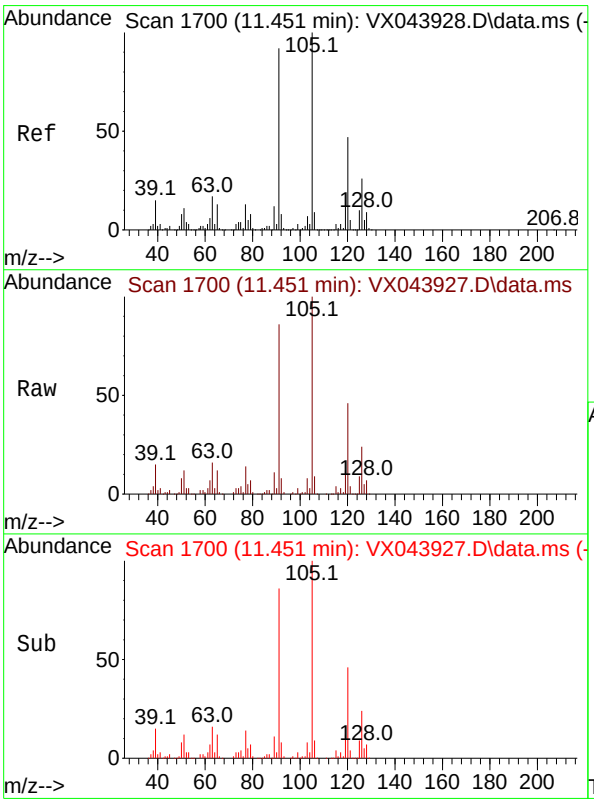

#81
trans-1,4-Dichloro-2-butene
Concen: 18.629 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 14743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.9 | 86.7 | 130.1 |
| 89 | 44.8 | 38.2 | 57.2 |

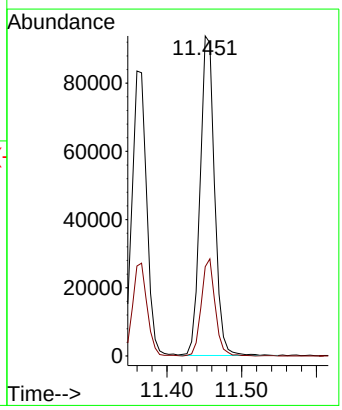


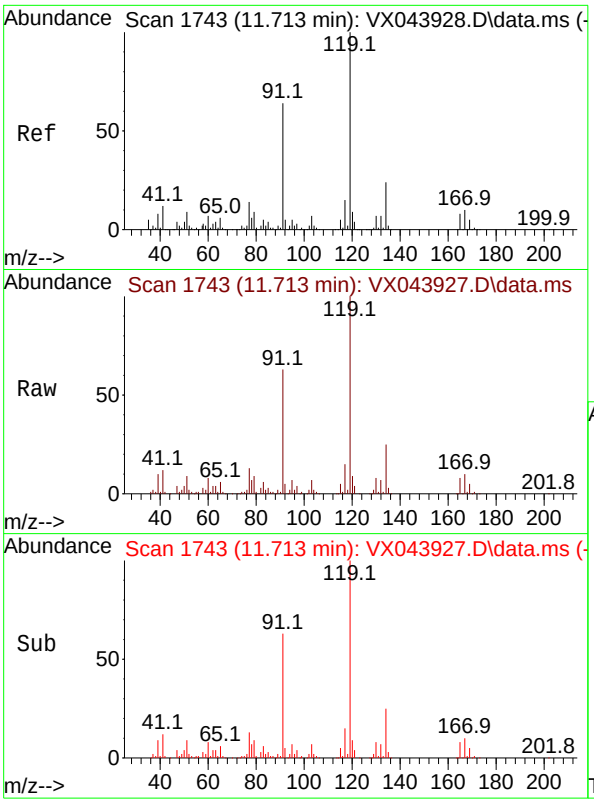




#82
4-Chlorotoluene
Concen: 20.797 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.3 | 42.9 |



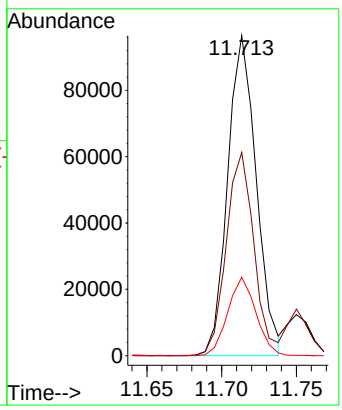


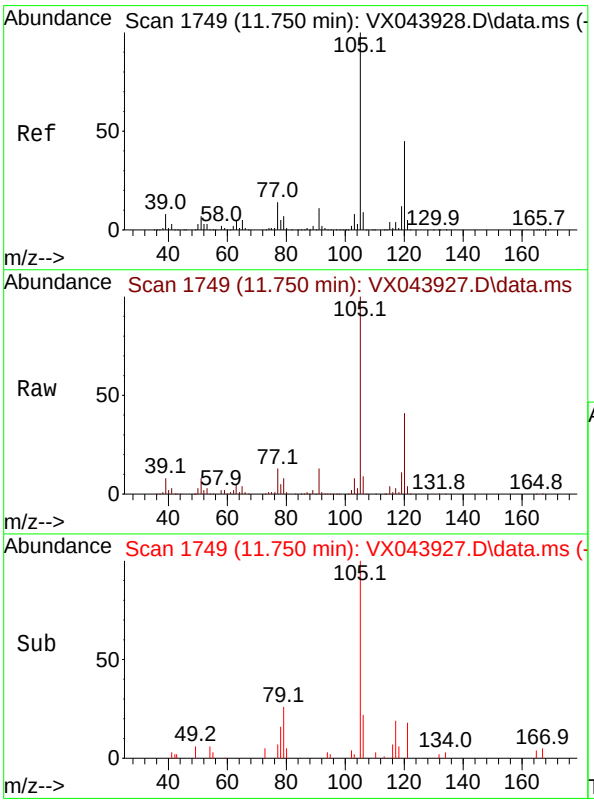

#83
tert-Butylbenzene
Concen: 20.839 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 128636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.4 | 31.0 | 93.0 |
| 134 | 24.2 | 11.6 | 34.8 |

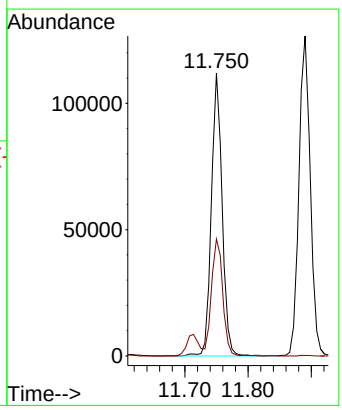


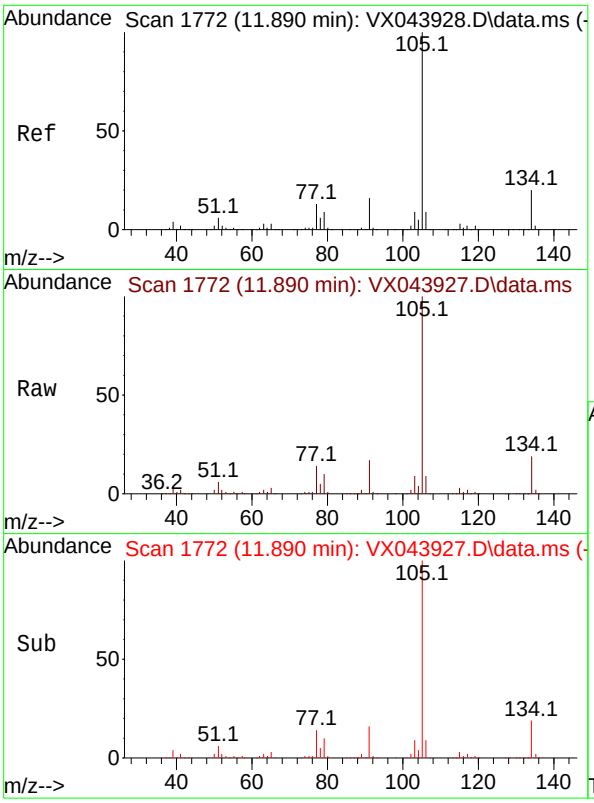




#84
1,2,4-Trimethylbenzene
Concen: 21.385 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 21.9 | 65.7 |



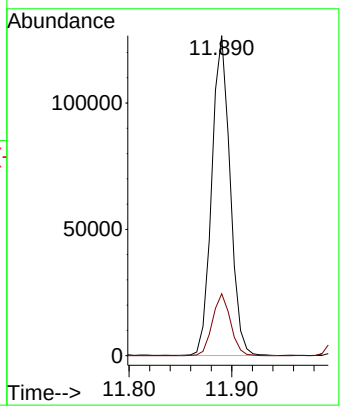


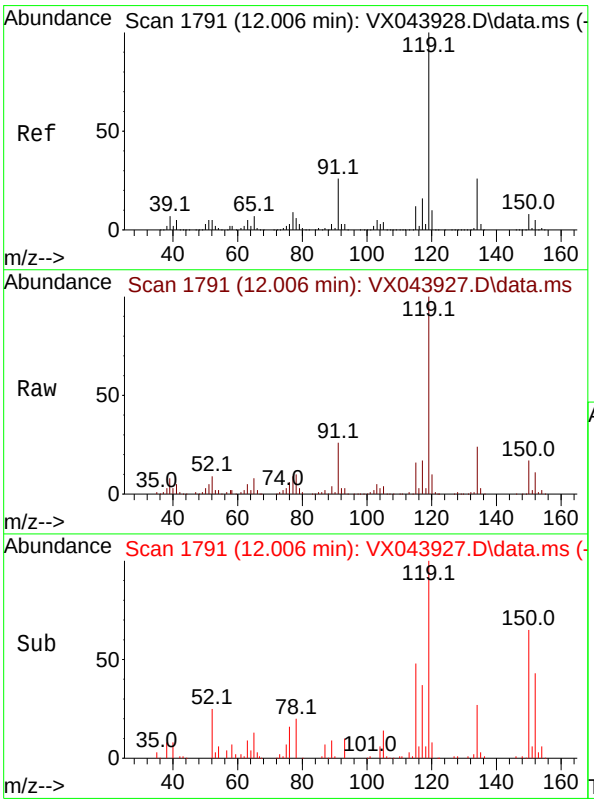

#85
sec-Butylbenzene
Concen: 20.668 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 156312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.1 | 9.7 | 29.1 |

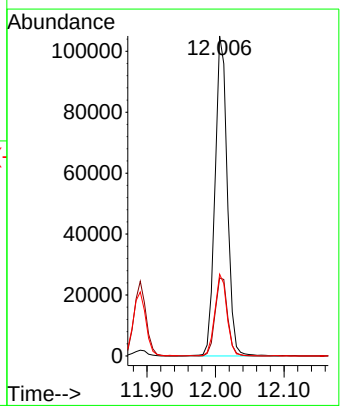


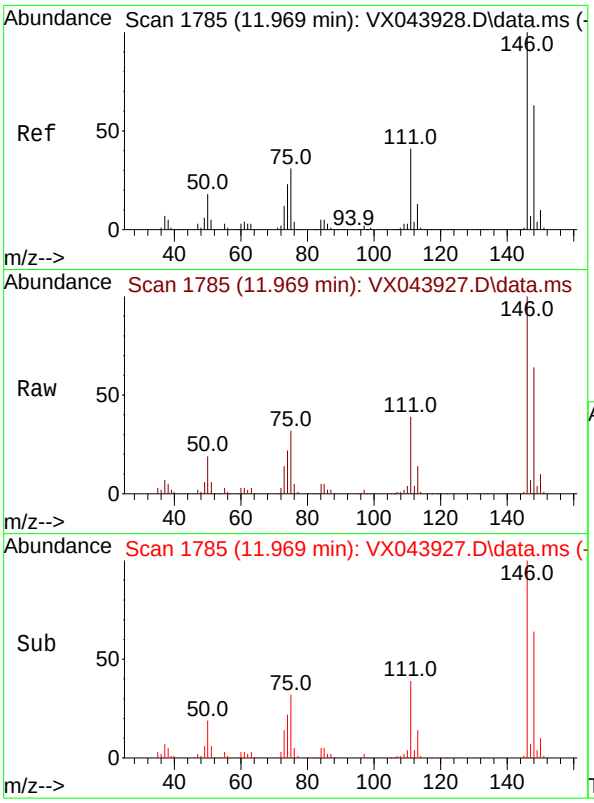




#86
p-Isopropyltoluene
Concen: 21.260 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:119 Resp: 130605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.8 | 13.0 | 38.9 |
| 91 | 25.2 | 13.0 | 38.9 |



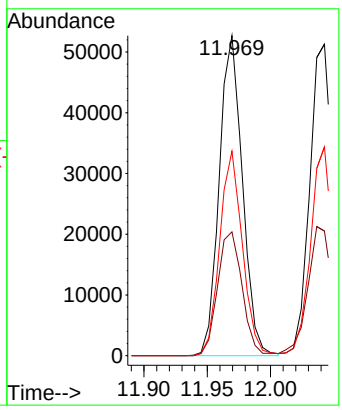


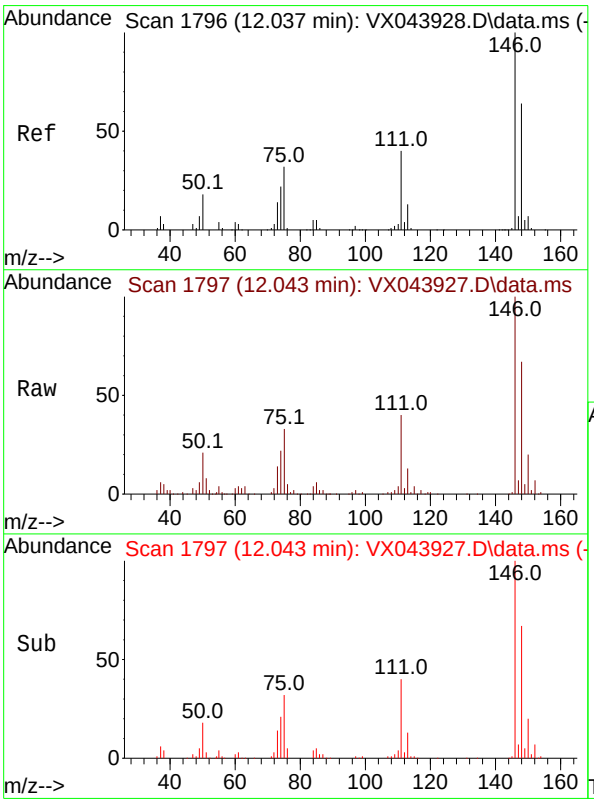

#87
1,3-Dichlorobenzene
Concen: 20.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 67003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 21.1 | 63.3 |
| 148 | 62.8 | 31.7 | 95.1 |

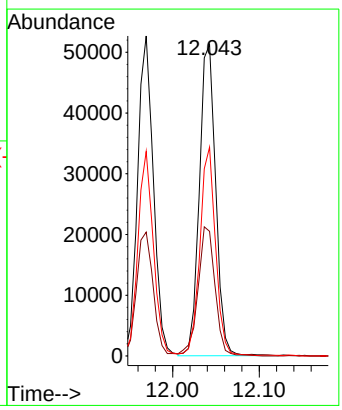


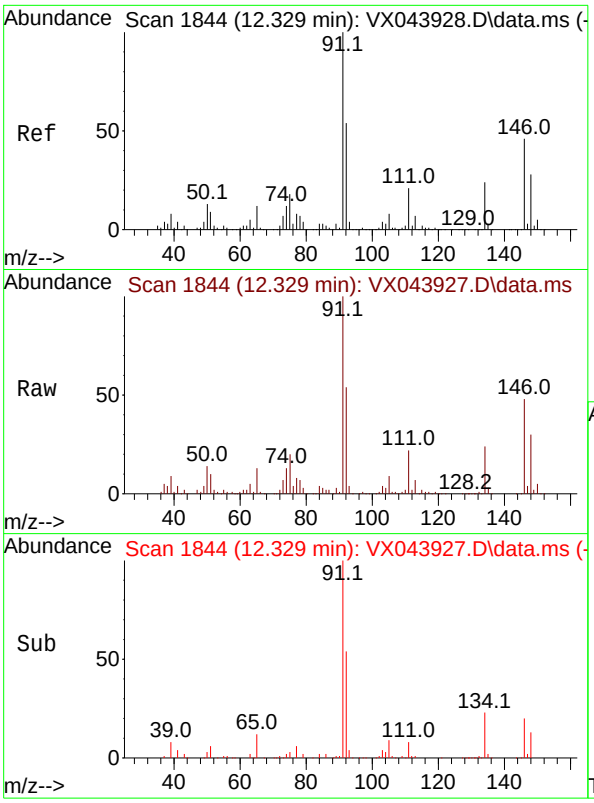




#88
1,4-Dichlorobenzene
Concen: 20.118 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:146 Resp: 67195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 20.1 | 60.3 |
| 148 | 64.1 | 30.9 | 92.8 |



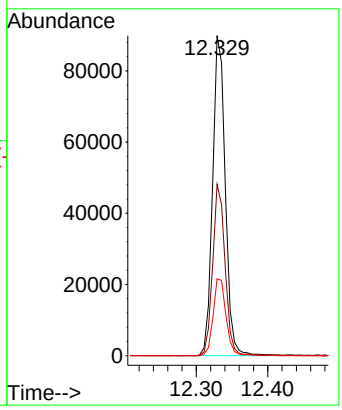


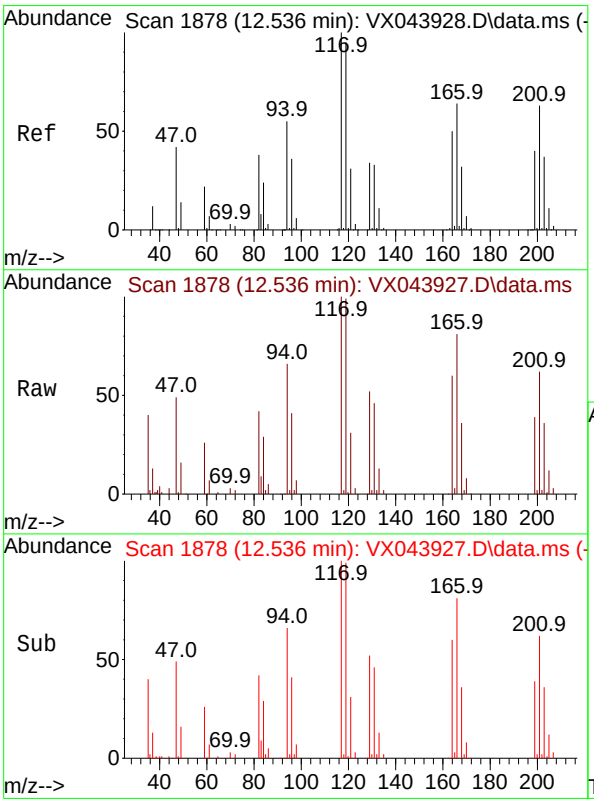

#89
n-Butylbenzene
Concen: 20.399 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 110491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.3 | 26.6 | 79.8 |
| 134 | 24.4 | 12.4 | 37.2 |

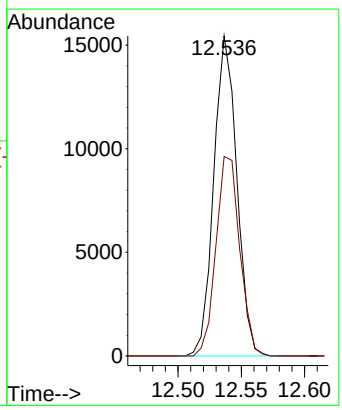


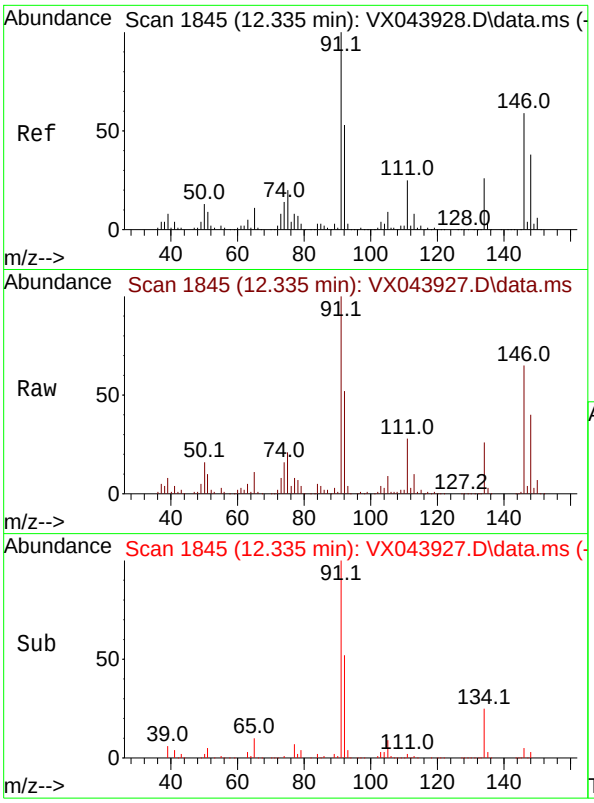




#90
Hexachloroethane
Concen: 18.712 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:117 Resp: 19547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.5 | 32.4 | 97.0 |



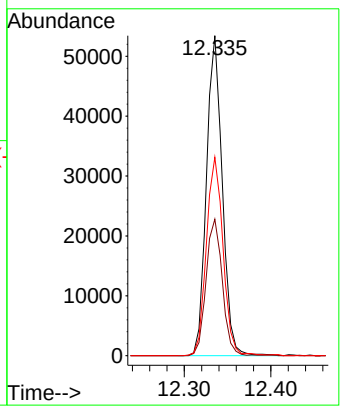


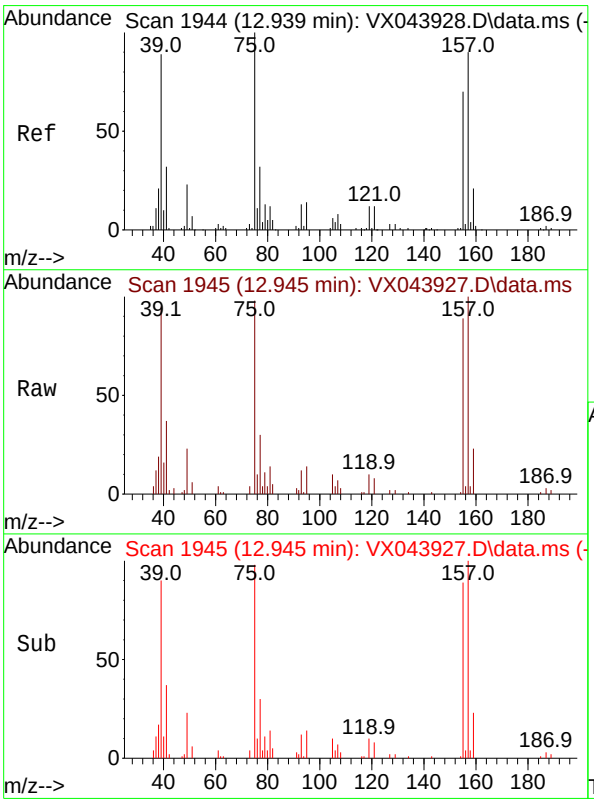

#91
1,2-Dichlorobenzene
Concen: 20.443 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 67852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.5 | 64.5 |
| 148 | 65.4 | 31.9 | 95.5 |

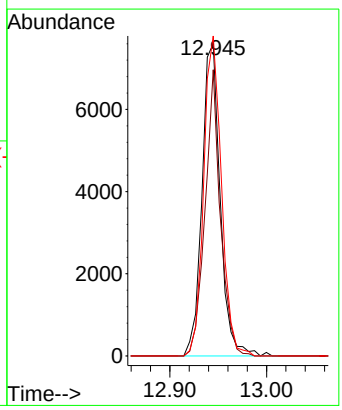


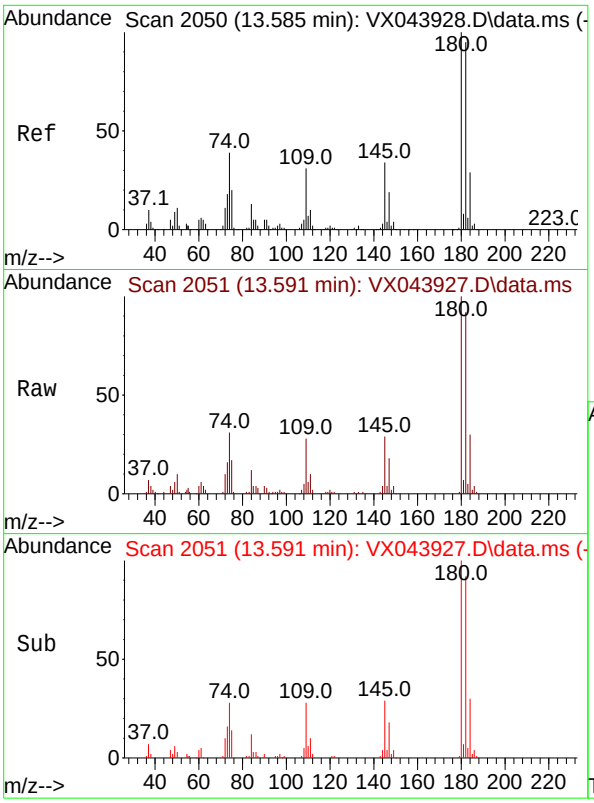




#92
1,2-Dibromo-3-Chloropropane
Concen: 19.137 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 9939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.7 | 40.1 | 120.2 |
| 157 | 100.2 | 49.6 | 149.0 |



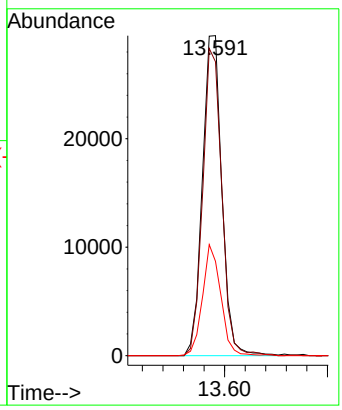


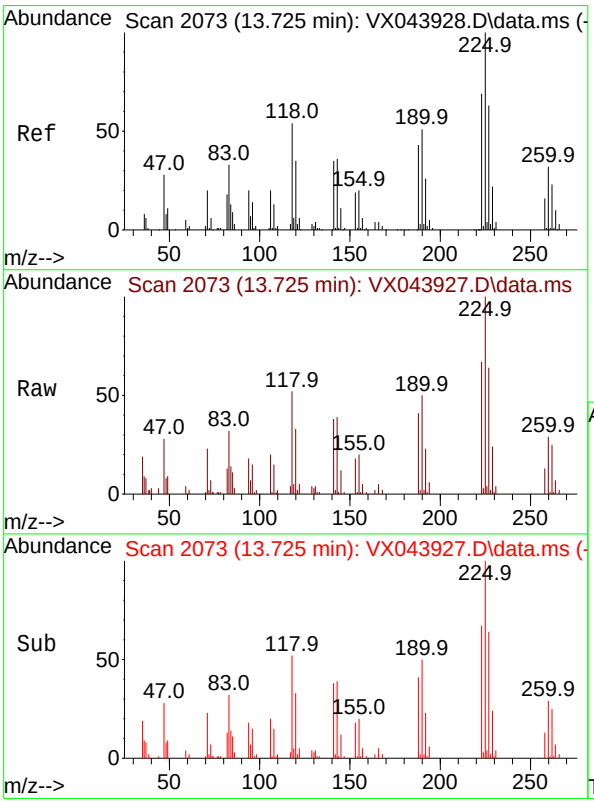

#93
1,2,4-Trichlorobenzene
Concen: 19.862 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 38866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 48.0 | 144.2 |
| 145 | 32.7 | 16.8 | 50.4 |

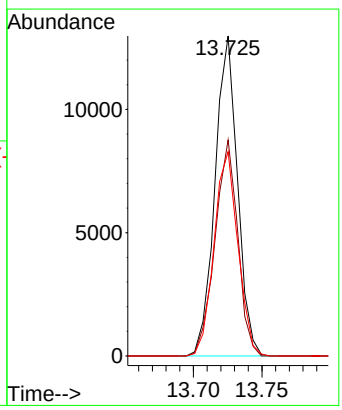


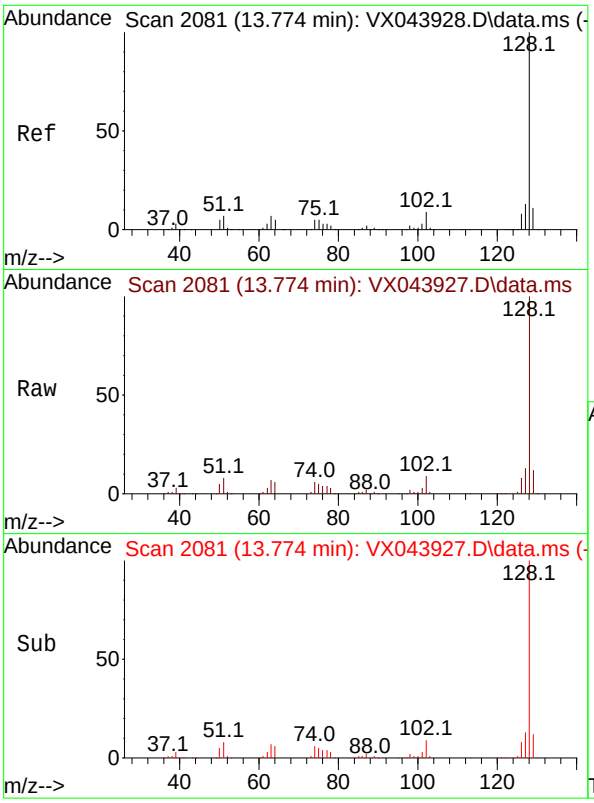




#94
Hexachlorobutadiene
Concen: 19.160 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:225 Resp: 14818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 67.9 | 32.9 | 98.6 |
| 227 | 67.6 | 31.6 | 94.8 |



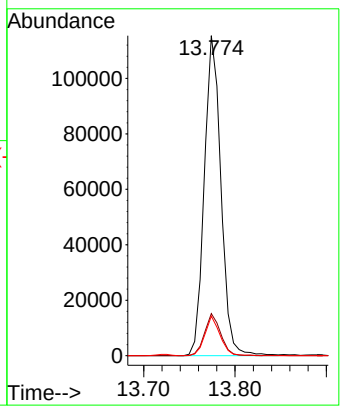


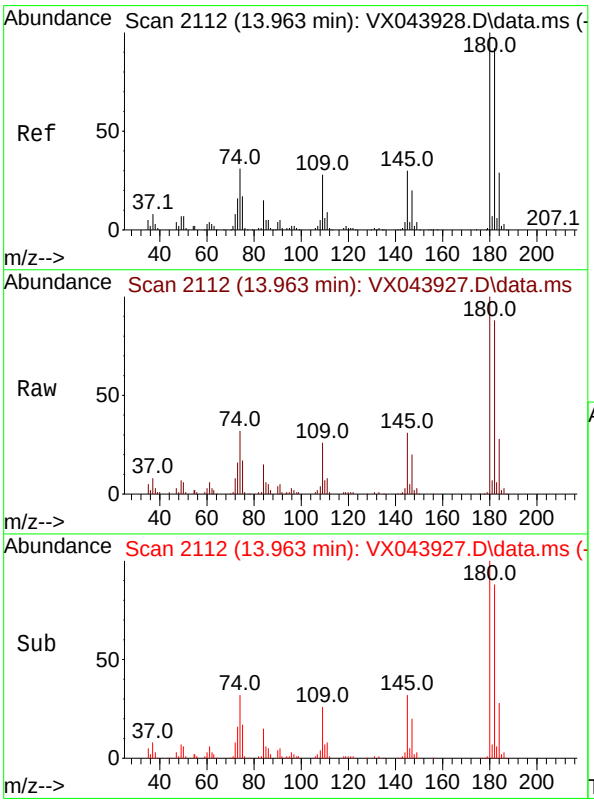

#95
Naphthalene
Concen: 20.681 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 145678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 11.3 | 8.6 | 12.8 |

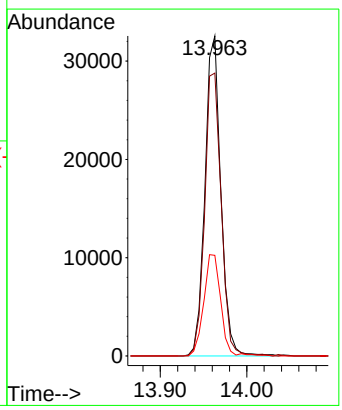



#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043927.D
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.6 | 45.6 | 136.8 |
| 145 | 33.9 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 138578 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 241629 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 212243 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 100316 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 104086 | 43.792 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 87.580% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 78954 | 45.729 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.460% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 266650 | 44.803 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 89.600% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93510 | 46.166 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 92.340% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 94790 | 53.994 | ug/l | 100 |
| 3) Chloromethane | 1.295 | 50 | 96646 | 52.315 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 105586 | 53.734 | ug/l | 100 |
| 5) Bromomethane | 1.593 | 94 | 61728 | 51.065 | ug/l | 100 |
| 6) Chloroethane | 1.660 | 64 | 63580 | 53.102 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 188045 | 53.527 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 65665 | 51.283 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 91167 | 54.404 | ug/l | 100 |
| 10) Methyl Iodide | 2.441 | 142 | 112083 | 53.554 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 100130 | 262.460 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 83087 | 52.033 | ug/l | 100 |
| 13) Acrolein | 2.233 | 56 | 100647 | 250.289 | ug/l | 100 |
| 14) Allyl chloride | 2.654 | 41 | 144663 | 55.443 | ug/l | 100 |
| 15) Acrylonitrile | 3.063 | 53 | 256493 | 275.887 | ug/l | 100 |
| 16) Acetone | 2.380 | 43 | 294611 | 269.872 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 178294 | 54.130 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 136735 | 53.785 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 313754 | 54.114 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 92475 | 49.918 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 87752 | 53.227 | ug/l | 100 |
| 22) Diisopropyl ether | 3.758 | 45 | 299631 | 53.704 | ug/l | 100 |
| 23) Vinyl Acetate | 3.715 | 43 | 1344870 | 281.781 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 174008 | 54.063 | ug/l | 100 |
| 25) 2-Butanone | 4.556 | 43 | 392575 | 278.700 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 158151 | 54.407 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 109742 | 53.852 | ug/l | 100 |
| 28) Bromochloromethane | 4.885 | 49 | 62386 | 44.034 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.001 | 42 | 234208 | 271.213 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 182404 | 52.691 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 144224 | 54.443 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 164023 | 54.944 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 119269 | 55.435 | ug/l | 100 |
| 37) Ethyl Acetate | 4.709 | 43 | 147393 | 55.189 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 134725 | 55.729 | ug/l | 100 |
| 39) Methylcyclohexane | 7.373 | 83 | 158586 | 56.738 | ug/l | 100 |
| 40) Benzene | 6.025 | 78 | 360978 | 53.863 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 79507 | 58.165 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 145681 | 54.125 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 235856 | 55.492 | ug/l | | 100 |
| 44) Trichloroethene | 7.117 | 130 | 90015 | 47.447 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 89529 | 54.543 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 70679 | 54.434 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 131365 | 56.411 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 112803 | 55.310 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 33402 | 949.925 | ug/l | | 88 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 732582 | 282.442 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 222500 | 55.469 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 137451 | 57.881 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 147638 | 56.712 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 89441 | 54.016 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 148281 | 57.494 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 151124 | 54.180 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 371281 | 262.805 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 568460 | 291.589 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 95641 | 57.569 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 92940 | 55.510 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 74157 | 52.988 | ug/l | | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 243080 | 52.147 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 83934 | 55.520 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 429559 | 54.383 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 323661 | 109.878 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 160643 | 55.856 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 268004 | 56.341 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 60267 | 52.275 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 411000 | 53.299 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 200195 | 56.042 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 139756 | 52.930 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 157199 | 72.666 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 97761 | 53.145 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 474802 | 55.131 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 286649 | 52.636 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 345531 | 54.465 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 44450 | 55.136 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 333946 | 54.315 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 345112 | 54.884 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 345112 | 54.640 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 426284 | 55.331 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 353256 | 56.448 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 176936 | 52.812 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 178728 | 52.530 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 319448 | 57.897 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 59010 | 55.453 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 177334 | 52.449 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 28467 | 53.806 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 108749 | 54.556 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 41267 | 52.382 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 401752 | 55.990 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 112162 | 55.593 | ug/l | | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

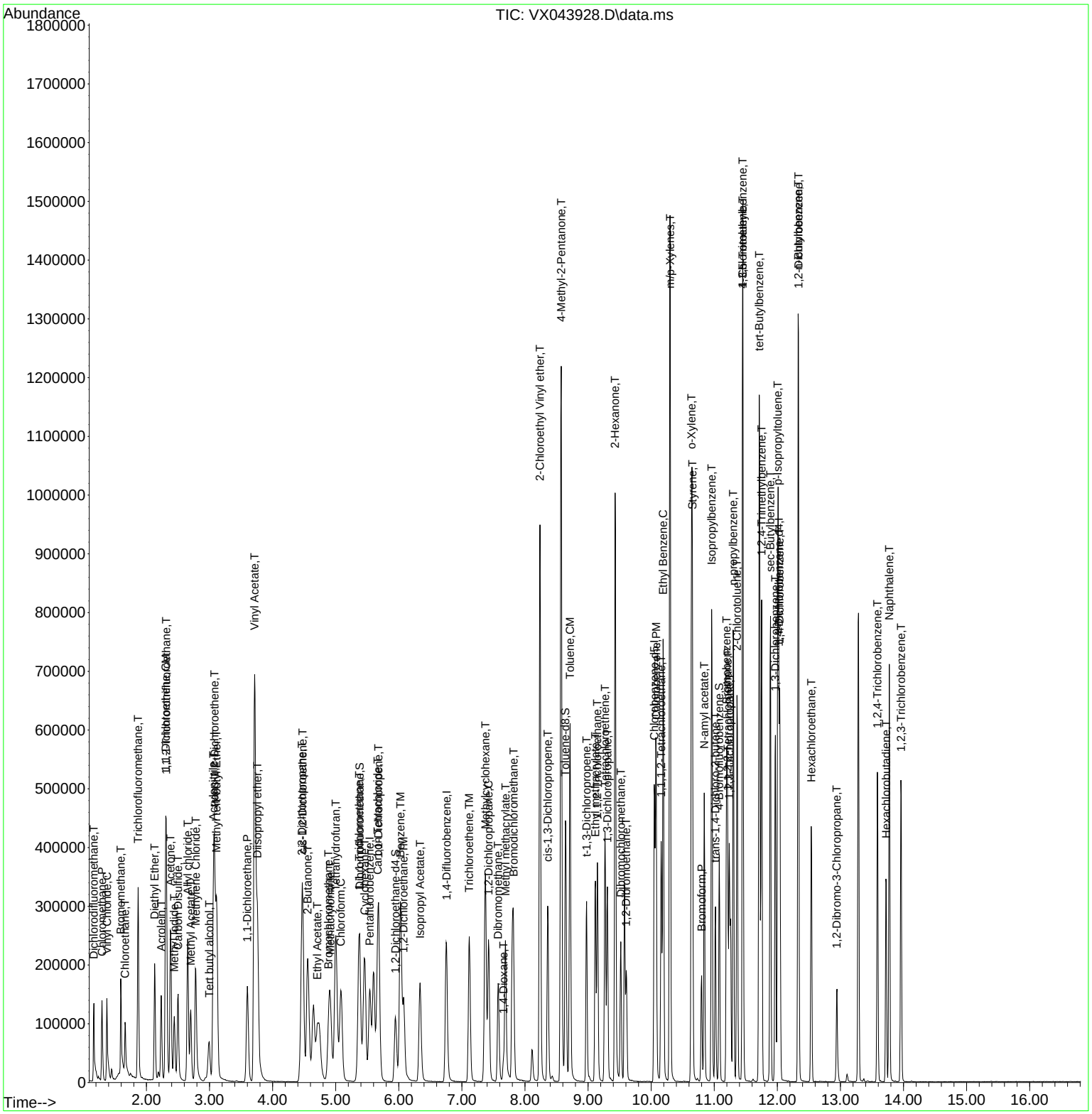
(#) = qualifier out of range (m) = manual integration (+) = signals summed

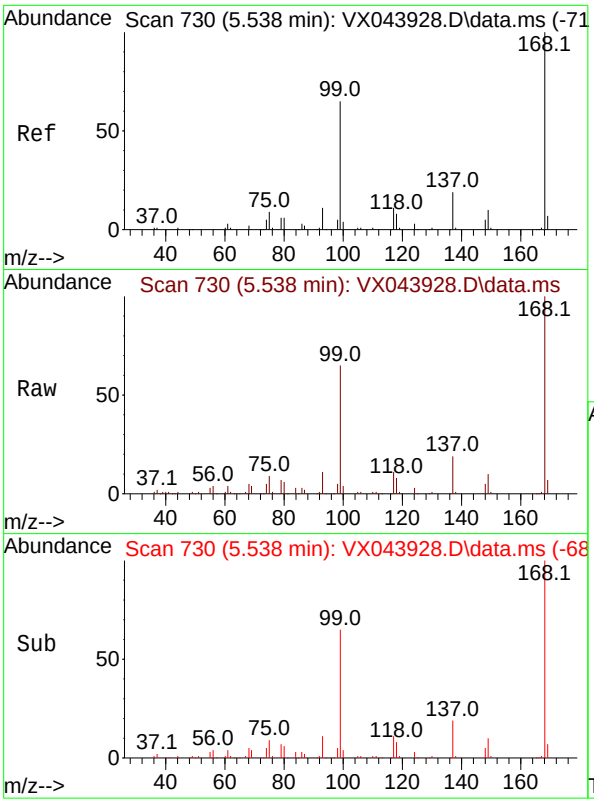
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043928.D
Acq On : 21 Nov 2024 11:17
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Nov 22 03:30:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



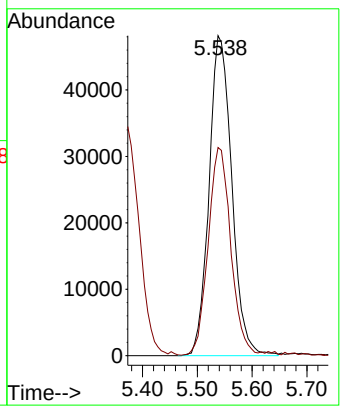


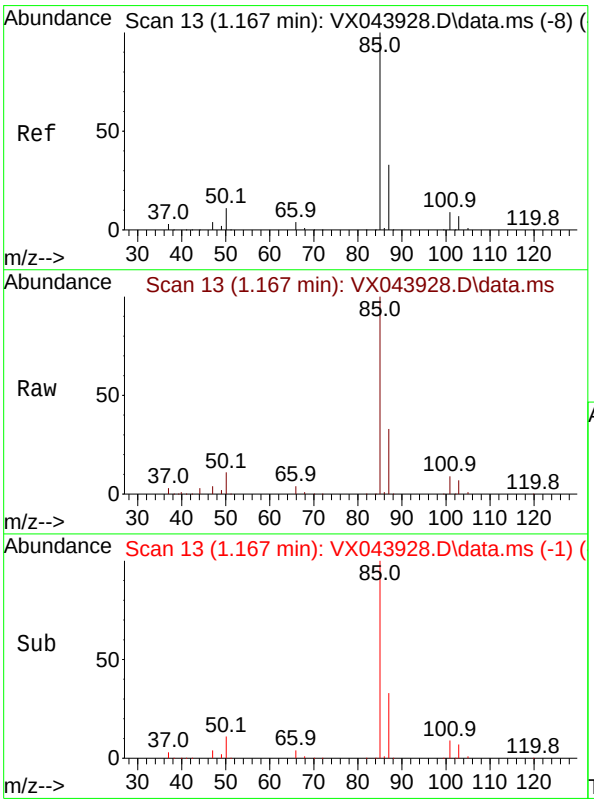

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 138578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.8 | 51.8 | 77.8 |

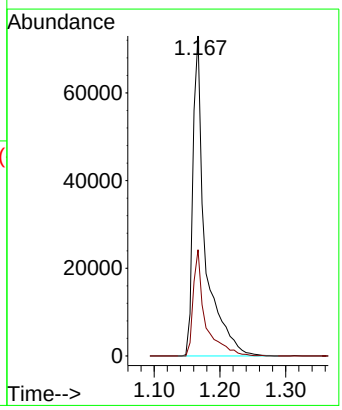


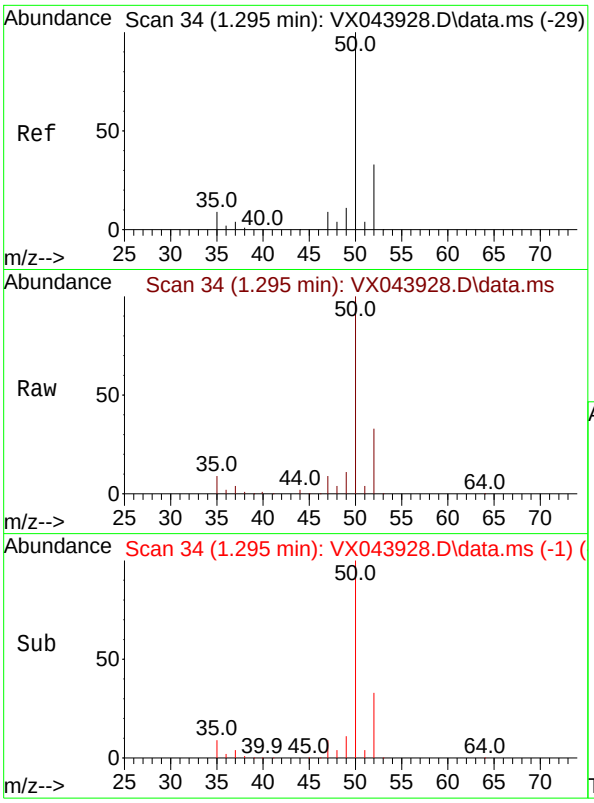




#2
Dichlorodifluoromethane
Concen: 53.994 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.2 | 16.6 | 49.8 |



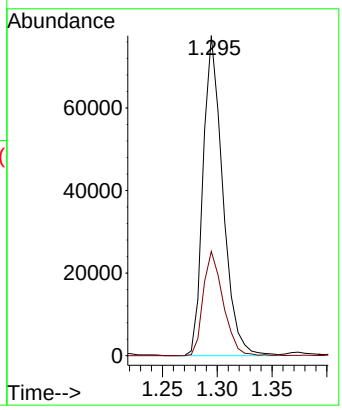


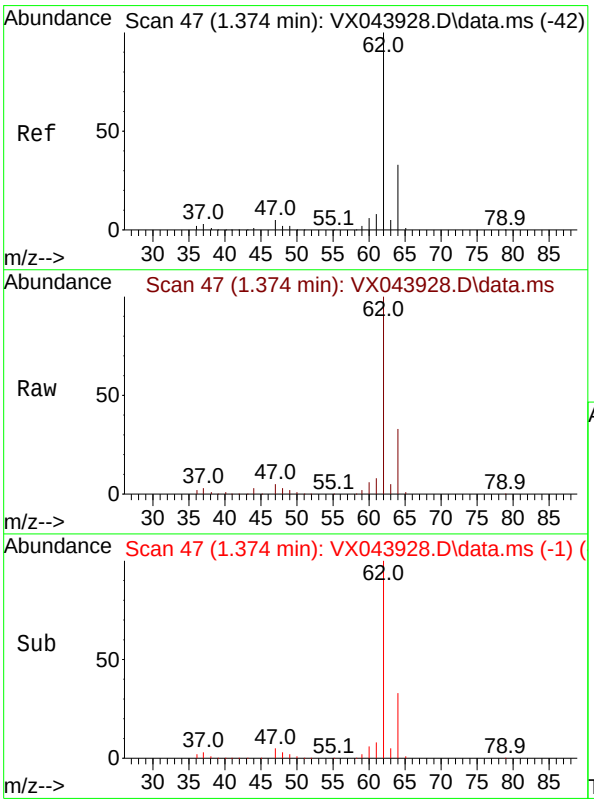

#3
Chloromethane
Concen: 52.315 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 96646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.1 | 39.1 |

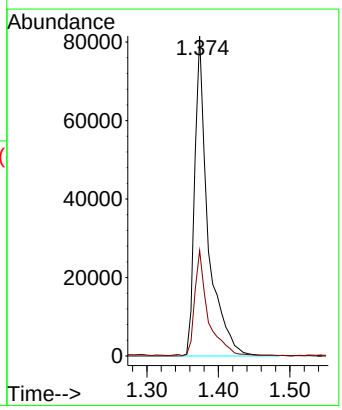


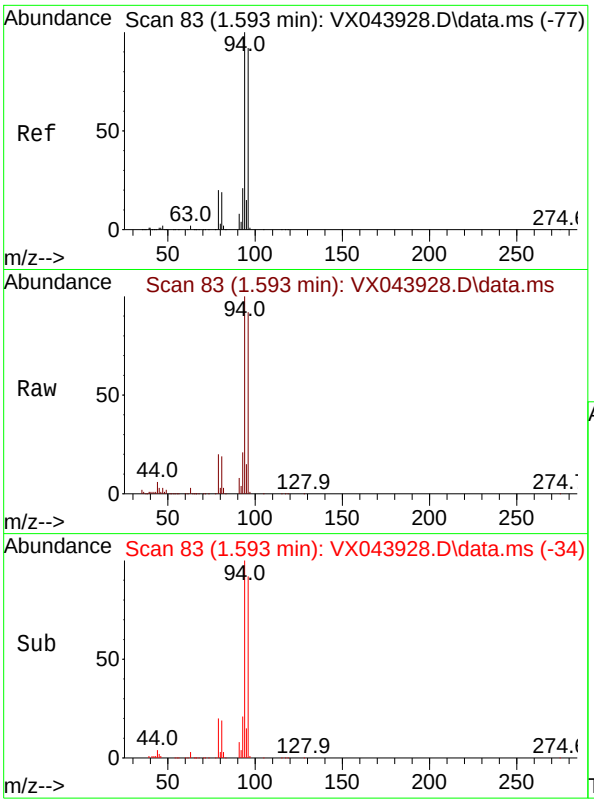




#4
Vinyl Chloride
Concen: 53.734 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.8 | 26.2 | 39.4 |



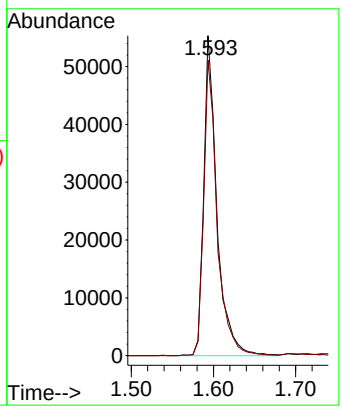


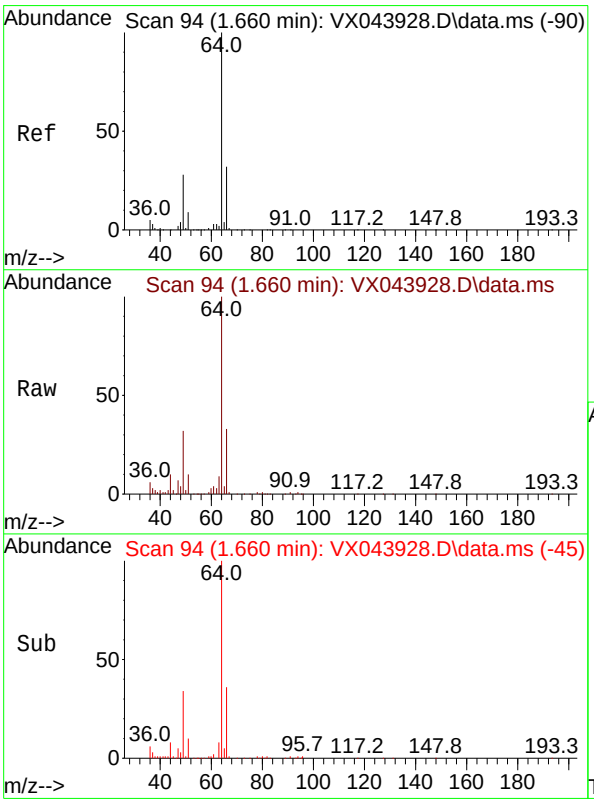

#5
Bromomethane
Concen: 51.065 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 61728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.4 | 73.9 | 110.9 |

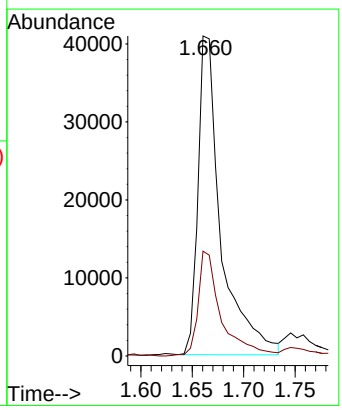


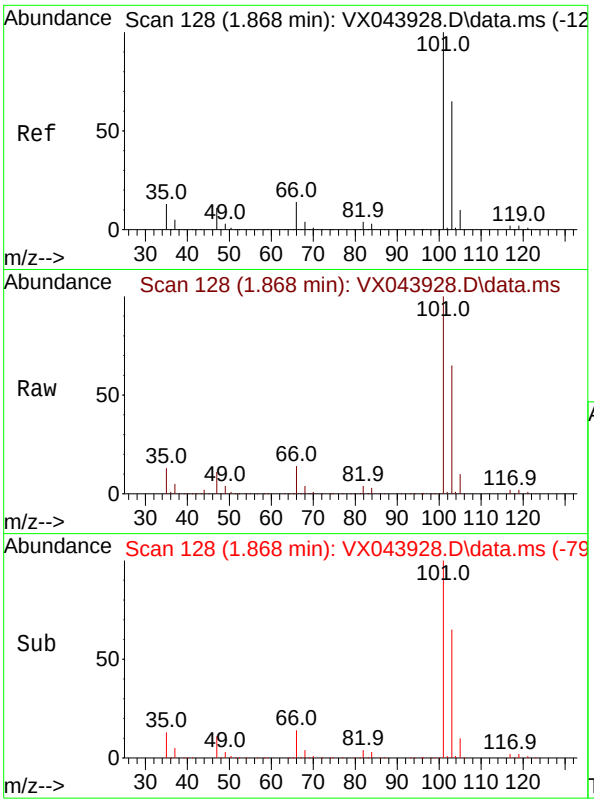




#6
Chloroethane
Concen: 53.102 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 64 Resp: 63580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.9 | 38.9 |



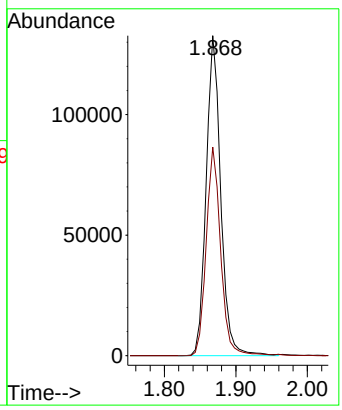


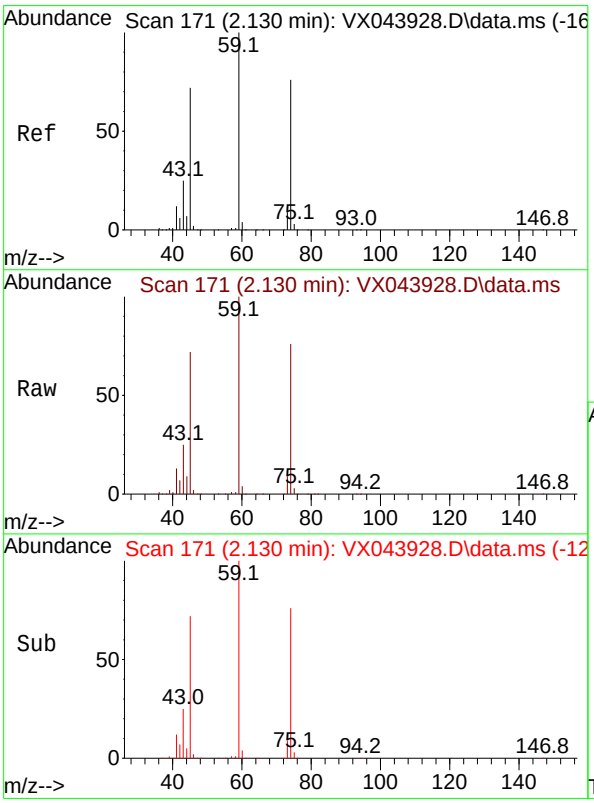

#7
Trichlorofluoromethane
Concen: 53.527 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 188045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.2 | 52.2 | 78.2 |

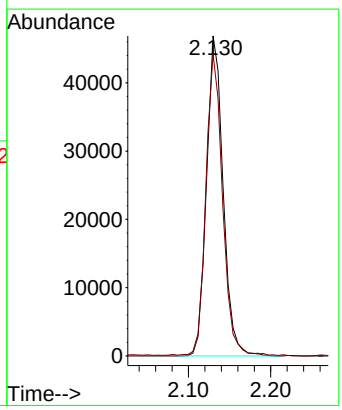


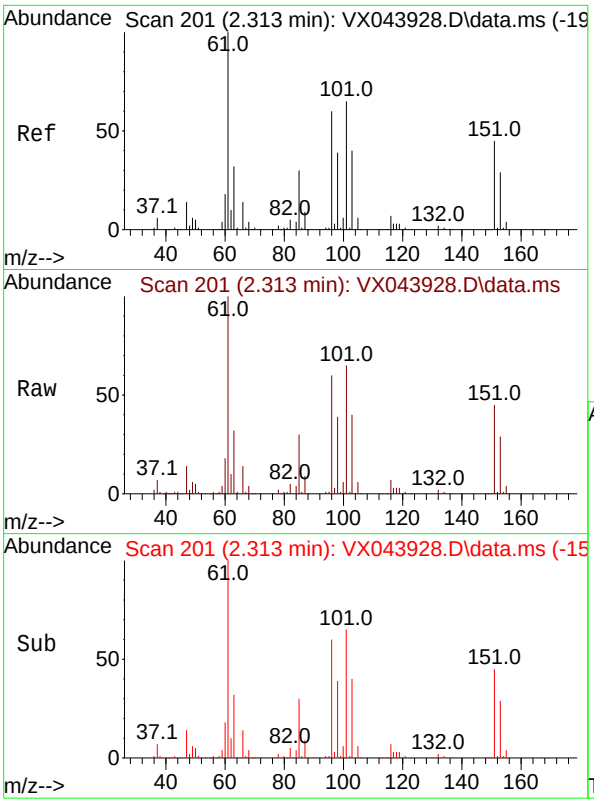




#8
Diethyl Ether
Concen: 51.283 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.7 | 47.9 | 143.6 |



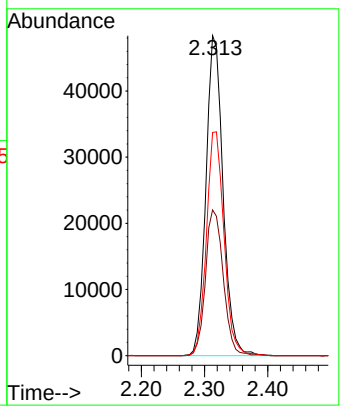


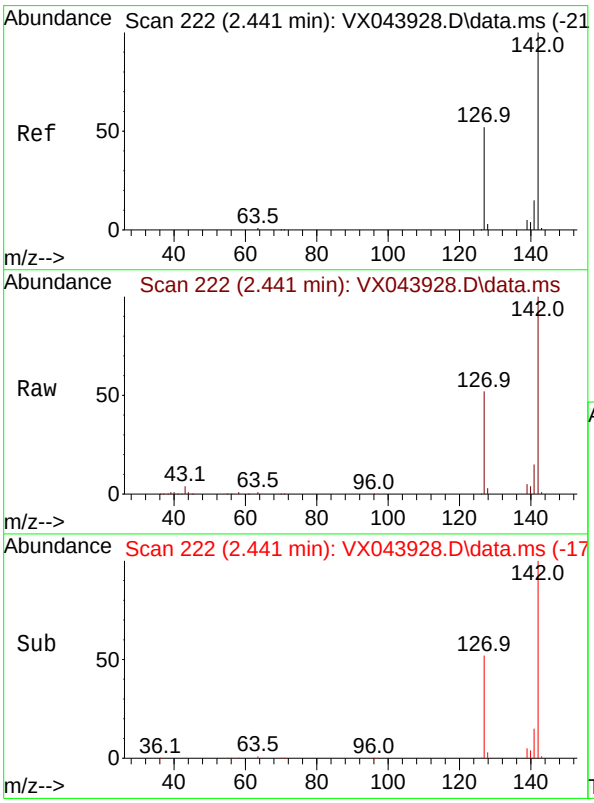

#9
1,1,2-Trichlorotrifluoroethane
Concen: 54.404 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 91167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.4 | 37.9 | 56.9 |
| 151 | 71.9 | 57.5 | 86.3 |

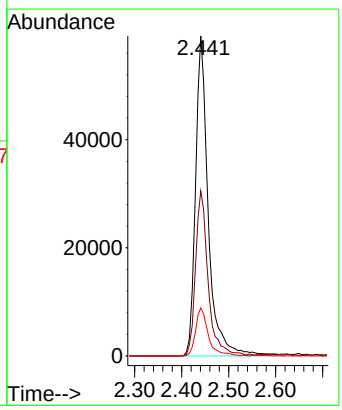


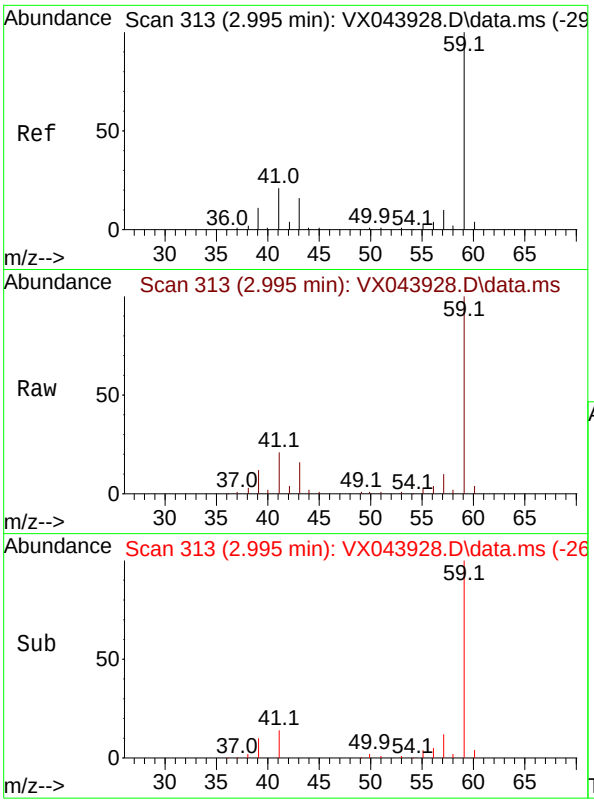




#10
Methyl Iodide
Concen: 53.554 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.9 | 40.7 | 61.1 |
| 141 | 15.0 | 12.0 | 18.0 |



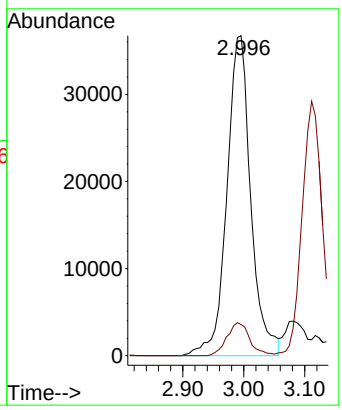


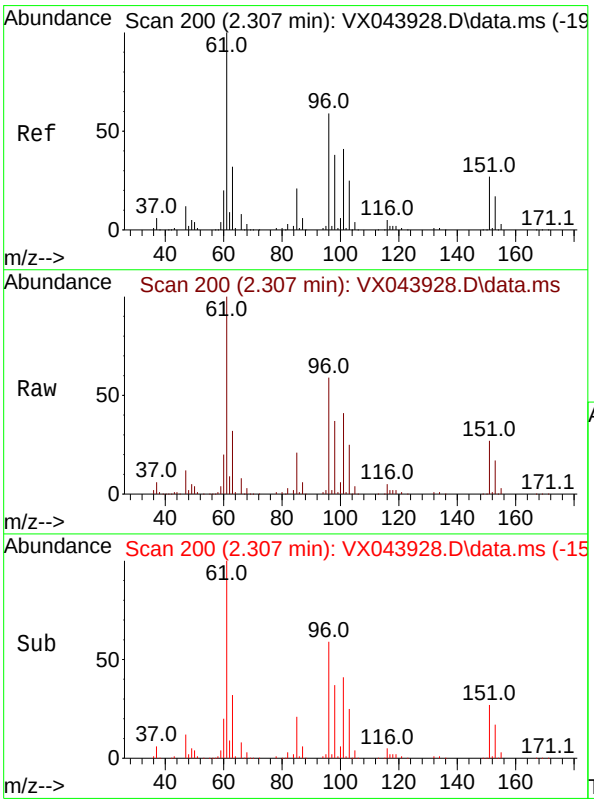

#11
Tert butyl alcohol
Concen: 262.460 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 100130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.9 | 7.9 | 11.9 |

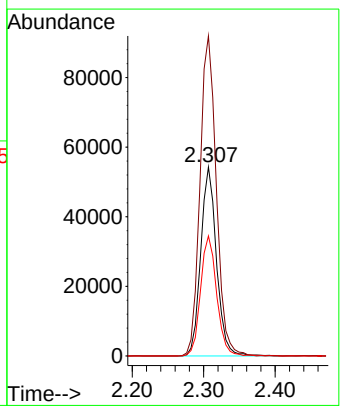


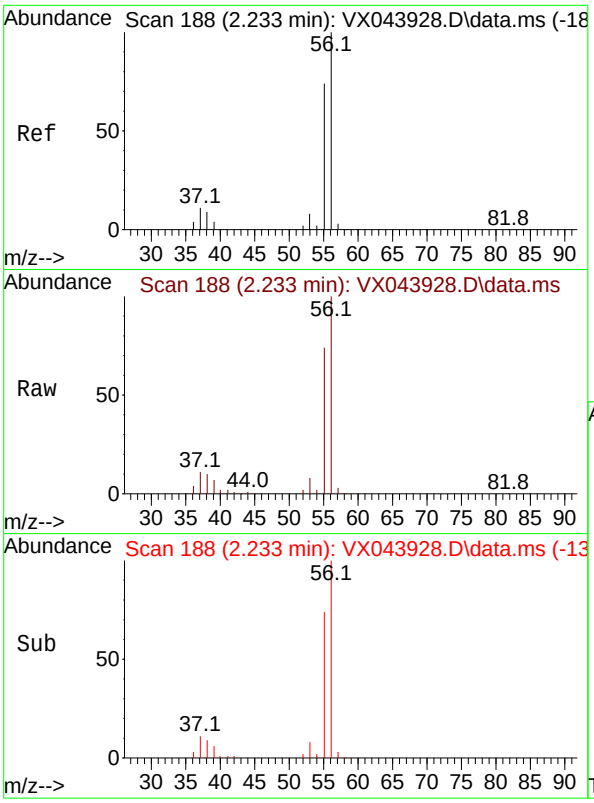




#12
1,1-Dichloroethene
Concen: 52.033 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.4 | 135.5 | 203.3 |
| 98 | 63.5 | 50.8 | 76.2 |



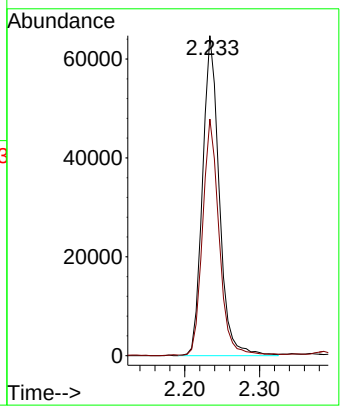


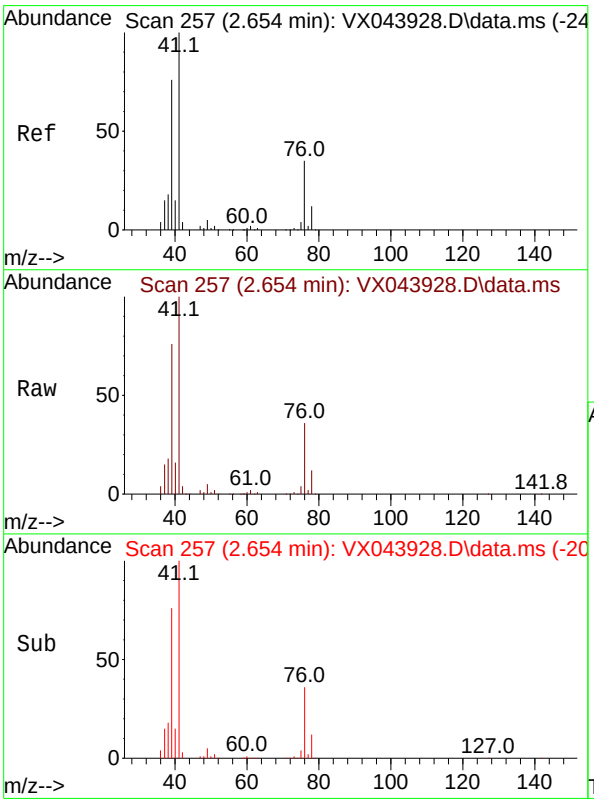

#13
Acrolein
Concen: 250.289 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 100647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.7 | 58.2 | 87.2 |

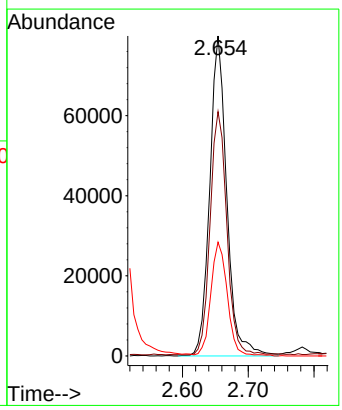


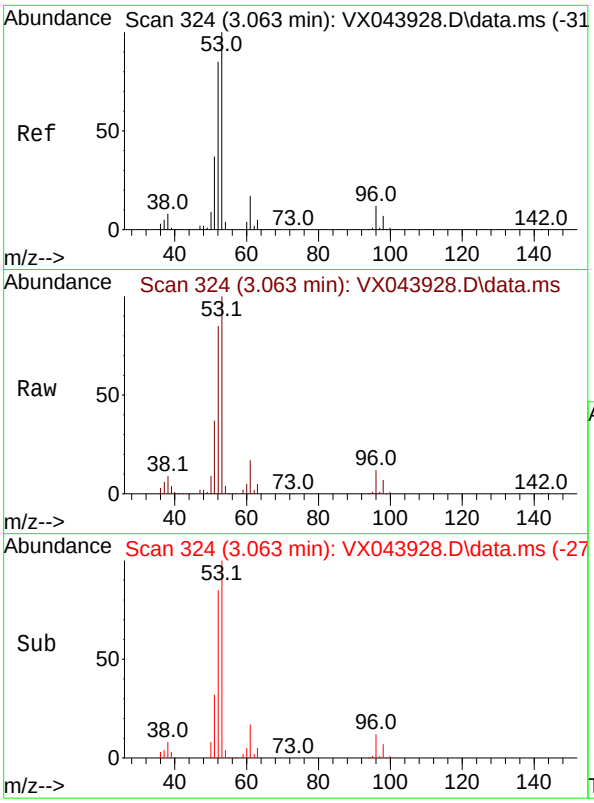




#14
Allyl chloride
Concen: 55.443 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 74.4 | 59.5 | 89.3 |
| 76 | 34.3 | 27.4 | 41.2 |



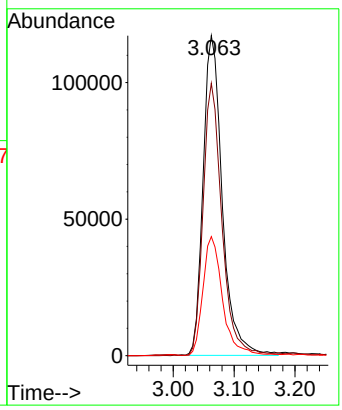


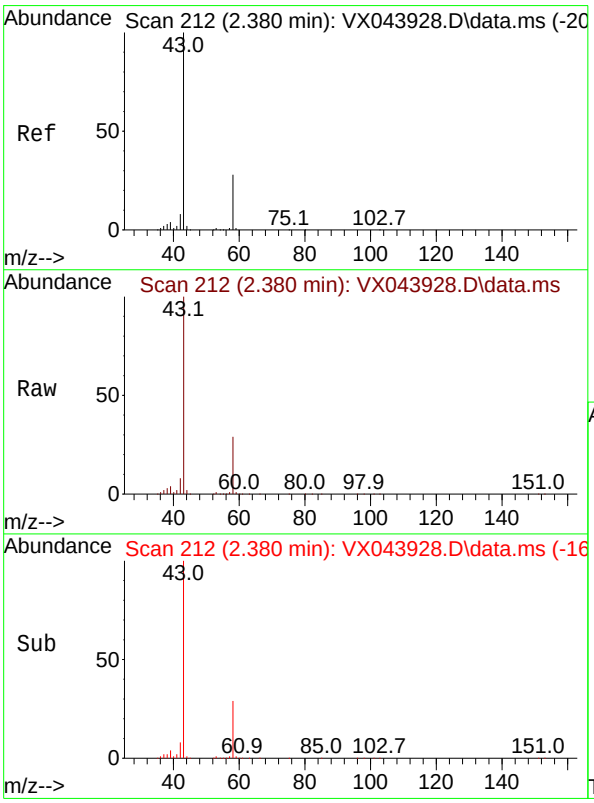

#15
Acrylonitrile
Concen: 275.887 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 256493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 66.5 | 99.7 |
| 51 | 37.8 | 30.2 | 45.4 |

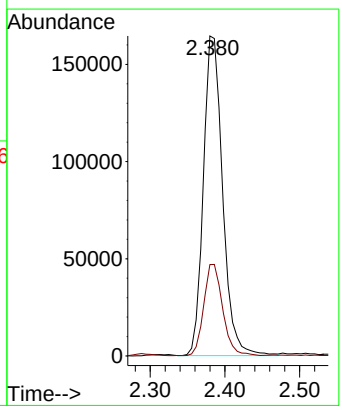


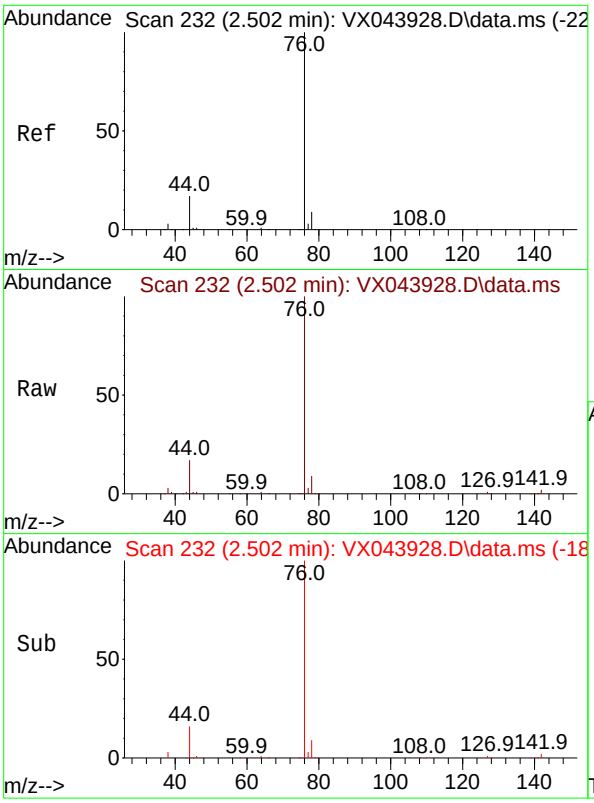




#16
Acetone
Concen: 269.872 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.4 | 22.7 | 34.1 |



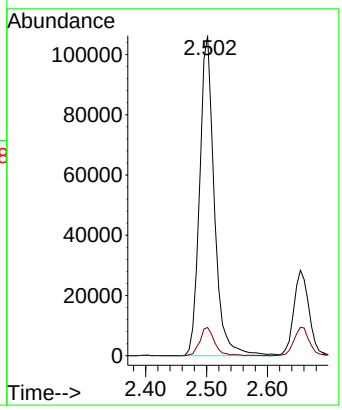


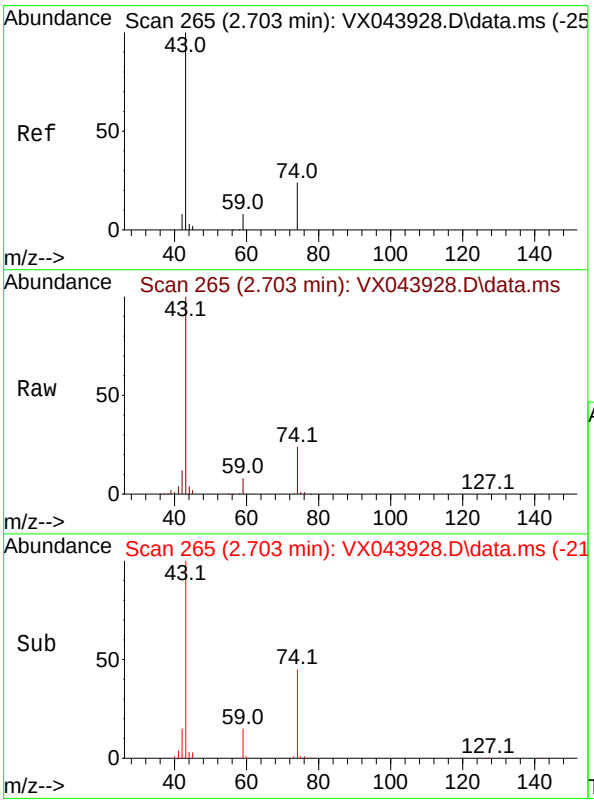

#17
Carbon Disulfide
Concen: 54.130 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 178294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.6 |

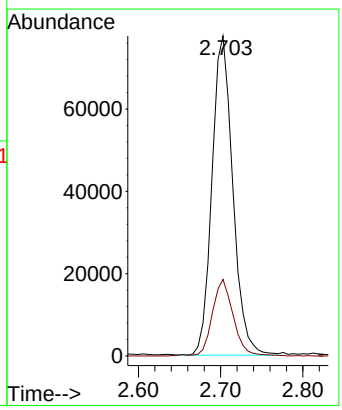


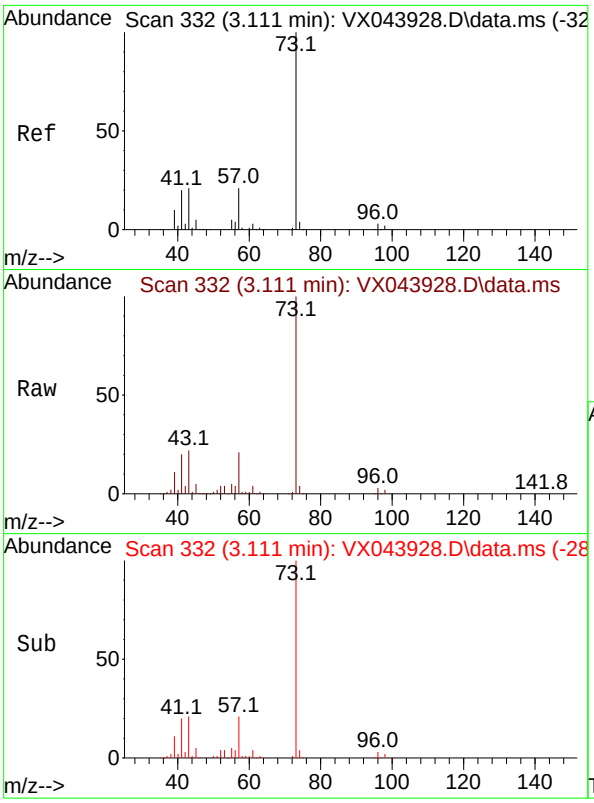




#18
Methyl Acetate
Concen: 53.785 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 18.9 | 28.3 |



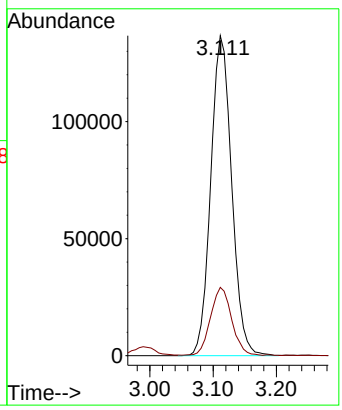


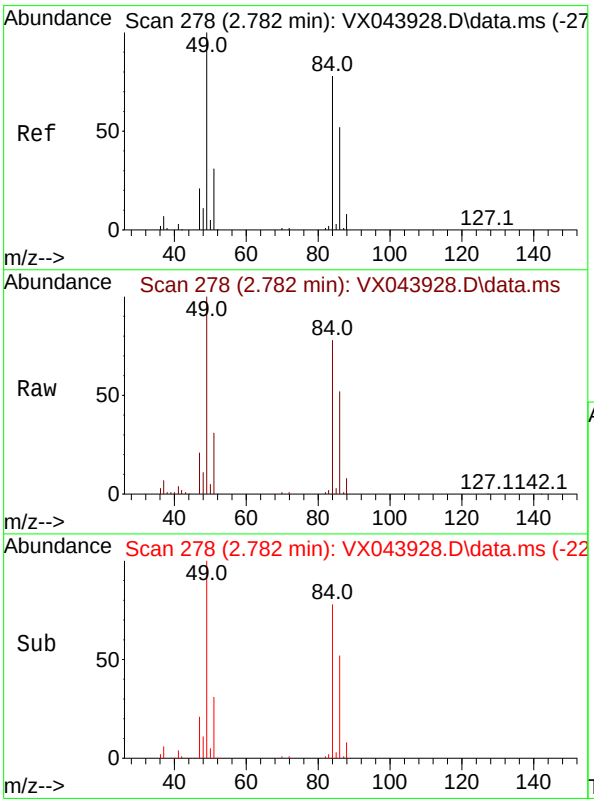

#19
Methyl tert-butyl Ether
Concen: 54.114 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 313754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.3 | 17.0 | 25.6 |

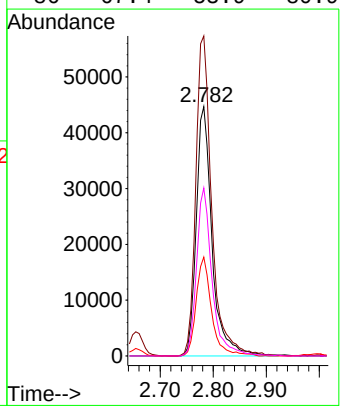


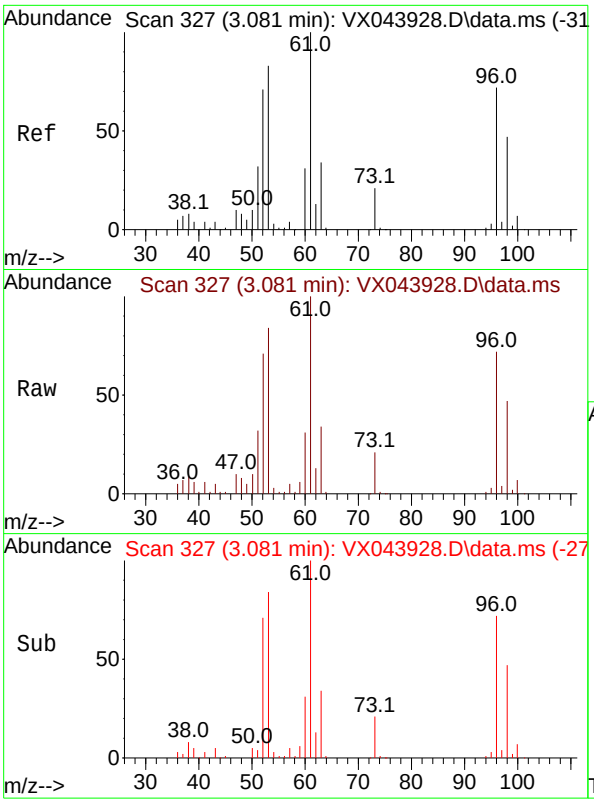




#20
Methylene Chloride
Concen: 49.918 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.4 | 102.7 | 154.1 |
| 51 | 39.6 | 31.7 | 47.5 |
| 86 | 67.4 | 53.9 | 80.9 |



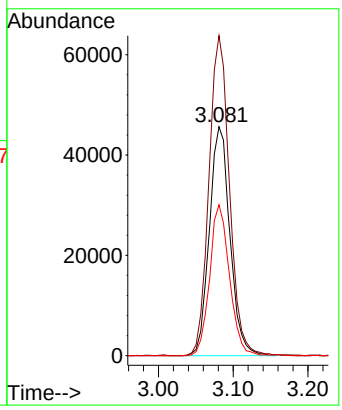


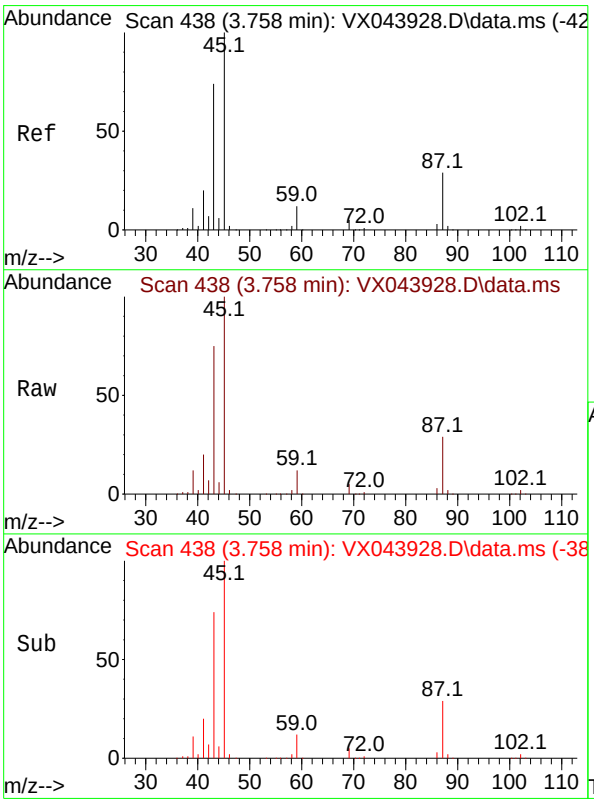

#21
trans-1,2-Dichloroethene
Concen: 53.227 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 87752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.7 | 111.8 | 167.6 |
| 98 | 65.9 | 52.7 | 79.1 |

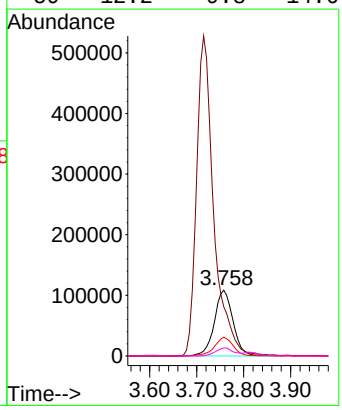


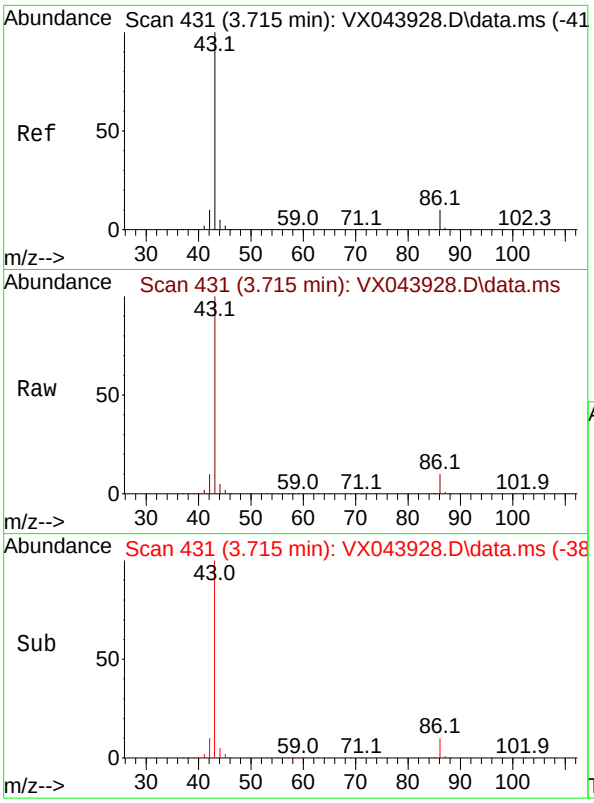




#22
Diisopropyl ether
Concen: 53.704 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 74.5 | 59.6 | 89.4 |
| 87 | 28.6 | 22.9 | 34.3 |
| 59 | 12.2 | 9.8 | 14.6 |



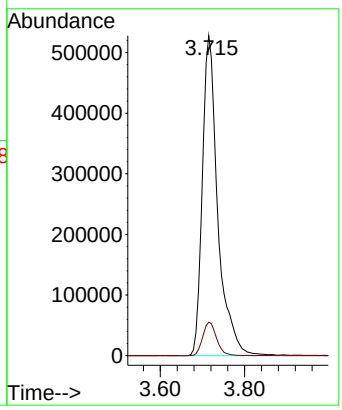


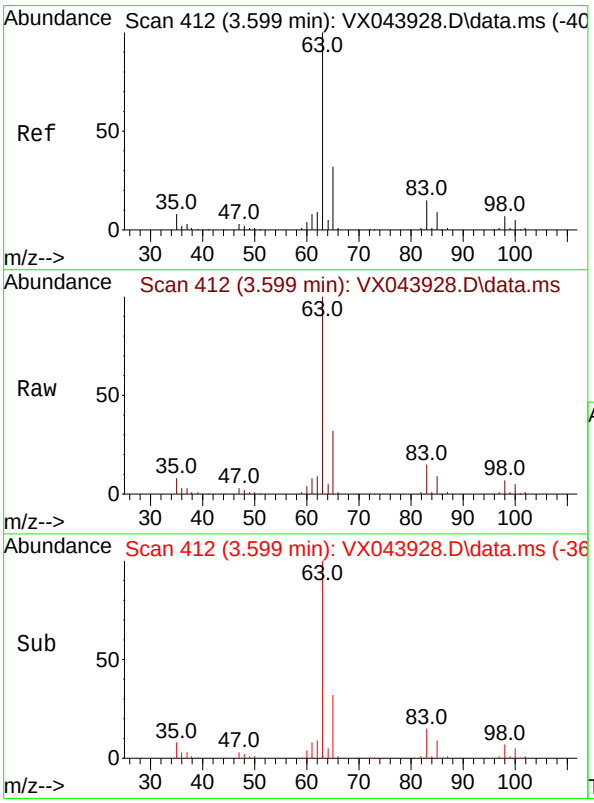

#23
Vinyl Acetate
Concen: 281.781 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 1344870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.4 | 8.3 | 12.5 |

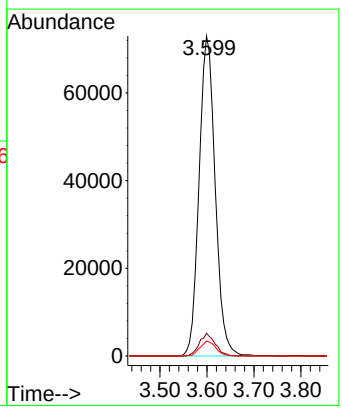


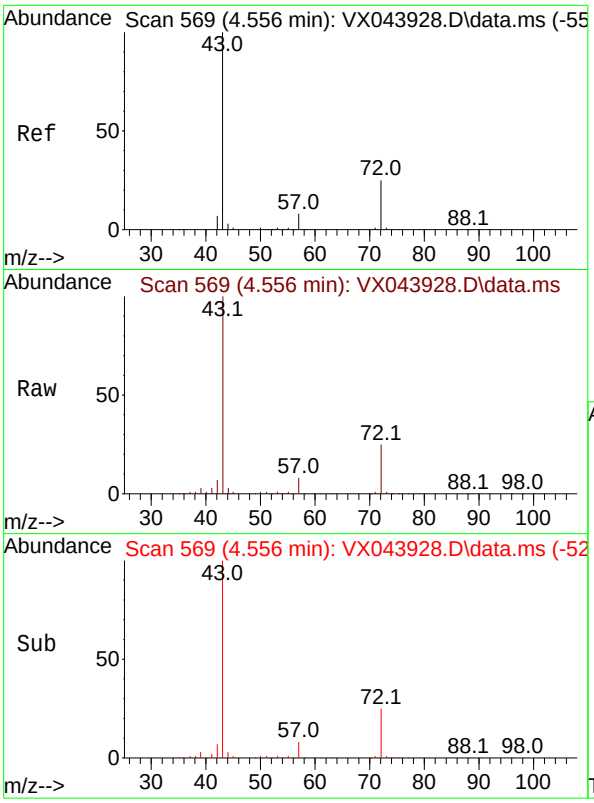




#24
1,1-Dichloroethane
Concen: 54.063 ug/l
RT: 3.599 min Scan# 412
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.5 | 10.6 |
| 100 | 4.7 | 2.4 | 7.1 |



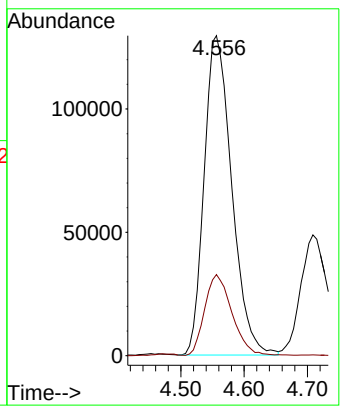


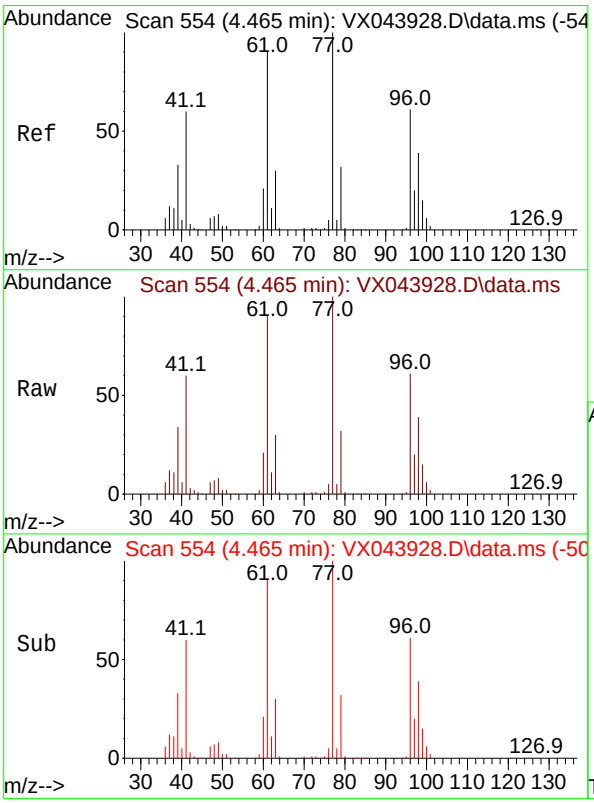

#25
2-Butanone
Concen: 278.700 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 392575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.2 |

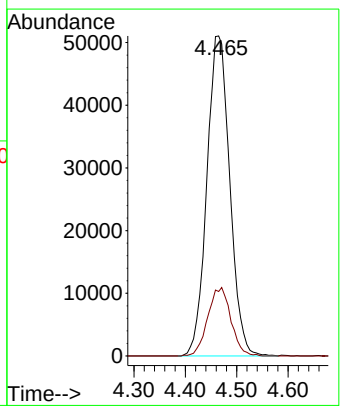


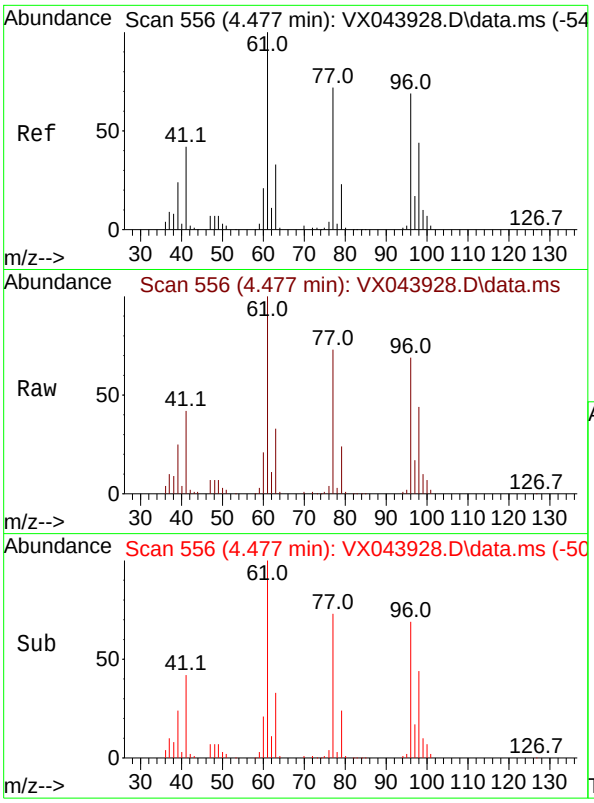




#26
2,2-Dichloropropane
Concen: 54.407 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.5 | 10.8 | 32.3 |



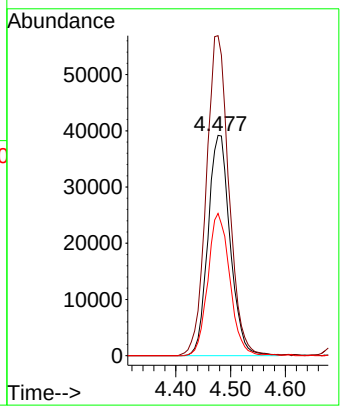


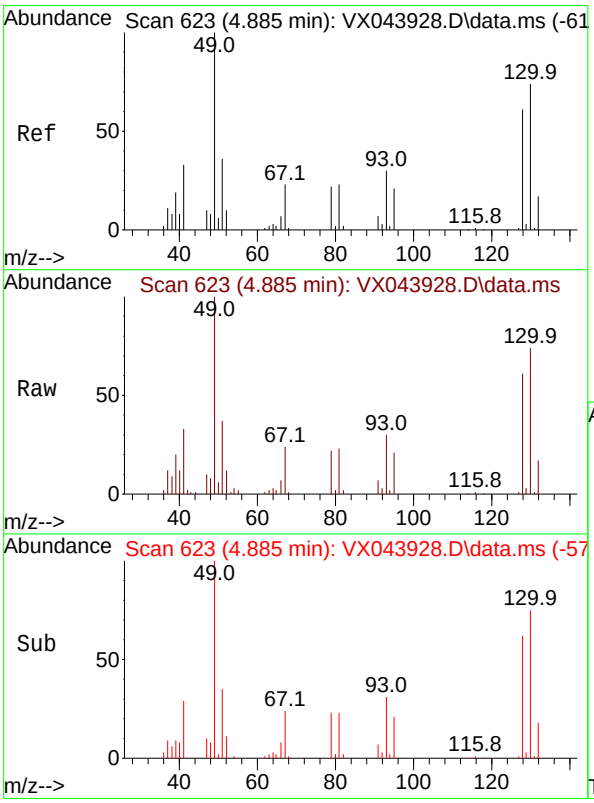

#27
cis-1,2-Dichloroethene
Concen: 53.852 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 109742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.7 | 0.0 | 297.4 |
| 98 | 63.9 | 0.0 | 127.8 |

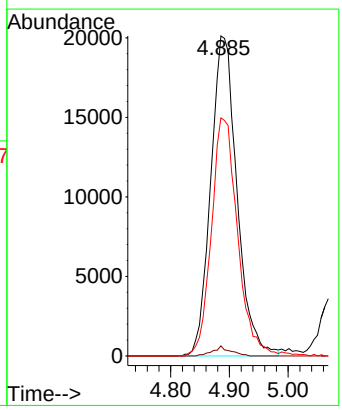


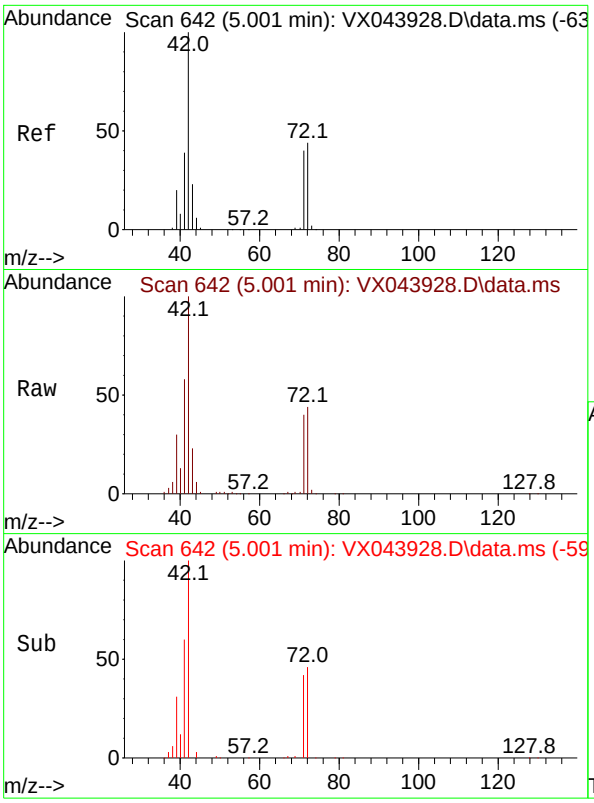




#28
Bromochloromethane
Concen: 44.034 ug/l
RT: 4.885 min Scan# 623
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 49 Resp: 62386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 73.8 | 59.0 | 88.6 |



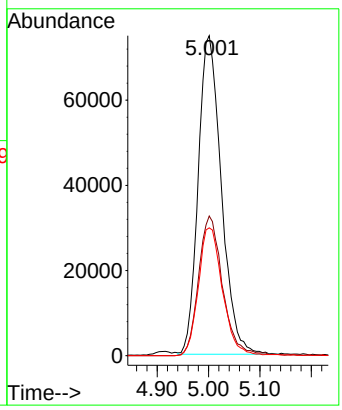


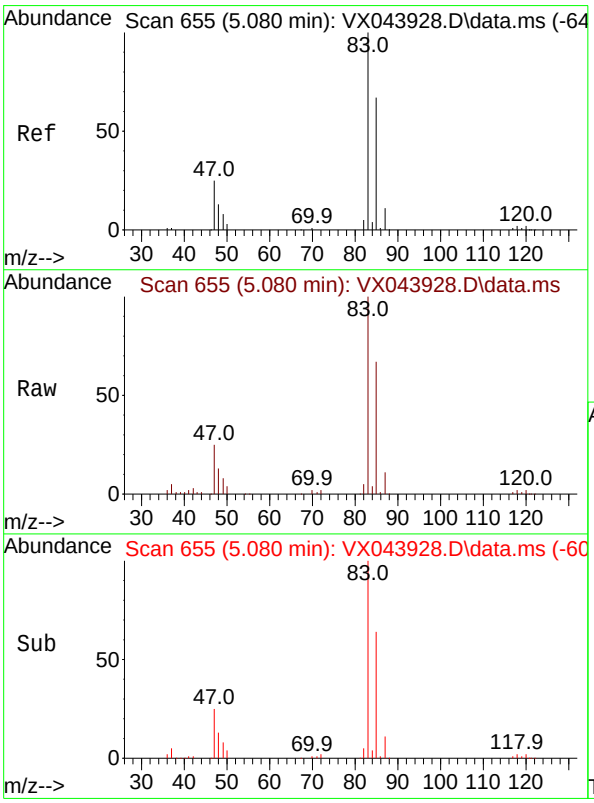

#29
Tetrahydrofuran
Concen: 271.213 ug/l
RT: 5.001 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 234208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.5 | 36.4 | 54.6 |
| 71 | 41.7 | 33.4 | 50.0 |

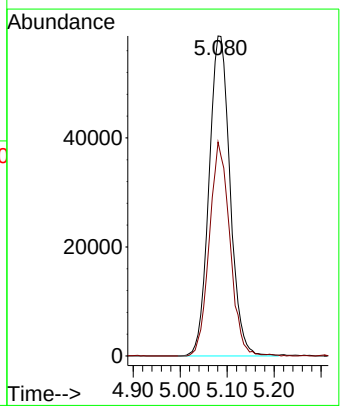


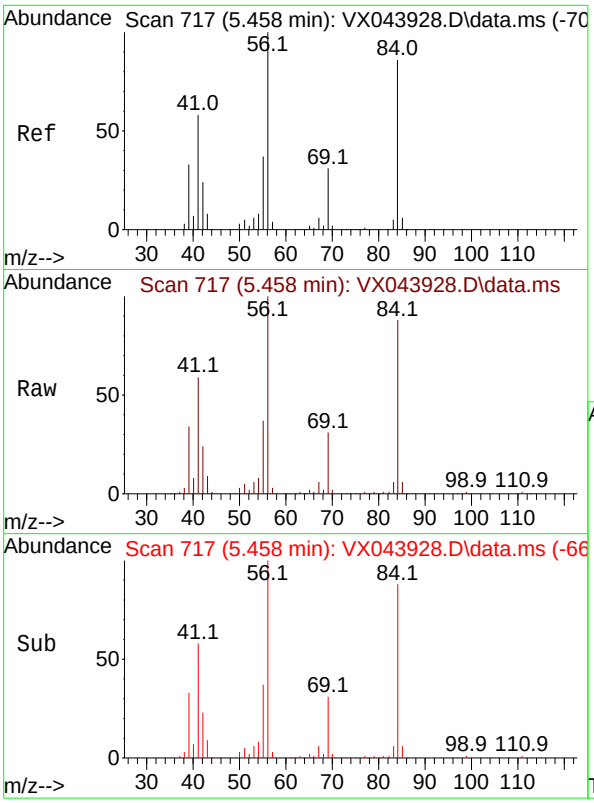




#30
Chloroform
Concen: 52.691 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 83 Resp: 182404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.9 | 53.5 | 80.3 |



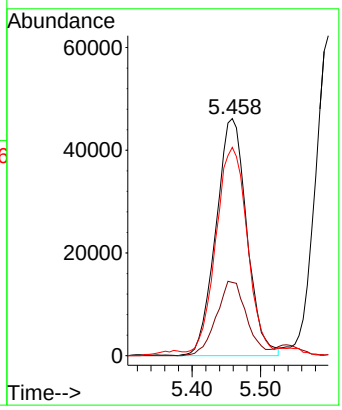


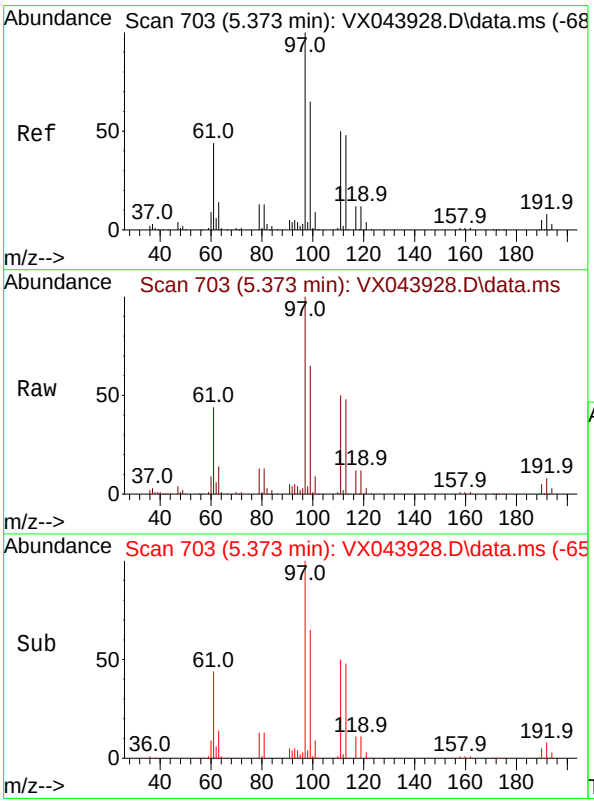

#31
Cyclohexane
Concen: 54.443 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 144224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.9 | 24.7 | 37.1 |
| 84 | 85.9 | 68.7 | 103.1 |

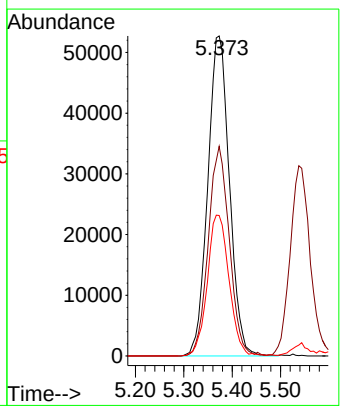


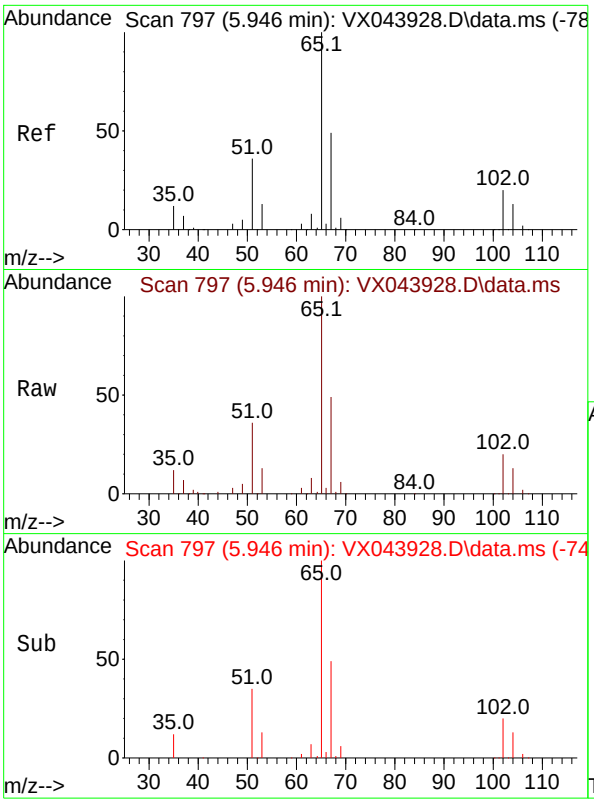




#32
1,1,1-Trichloroethane
Concen: 54.944 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.8 | 76.2 |
| 61 | 44.3 | 35.4 | 53.2 |



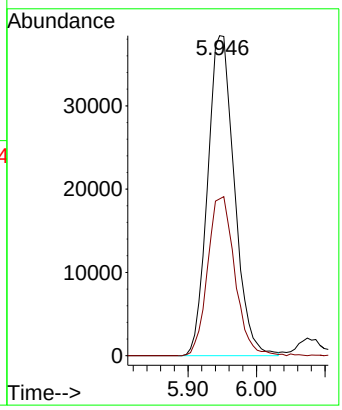


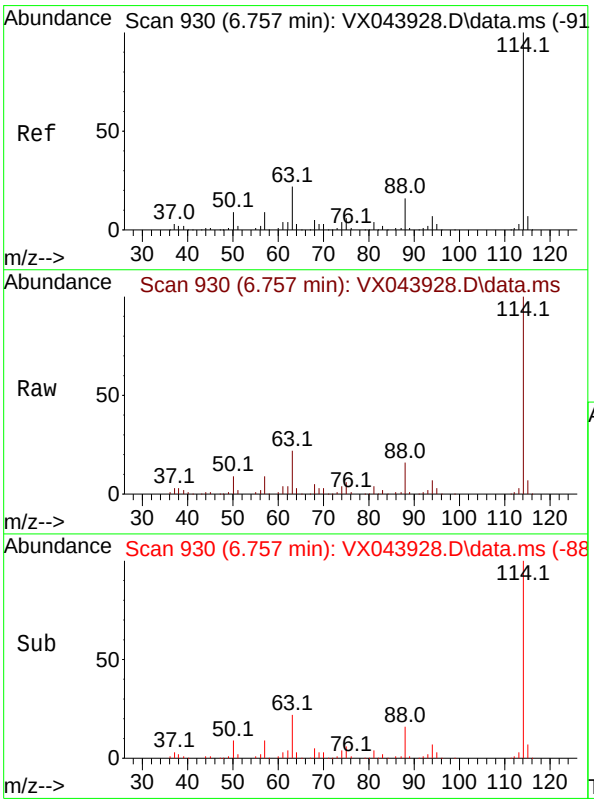

#33
1,2-Dichloroethane-d4
Concen: 43.792 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 104086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.4 | 0.0 | 100.8 |

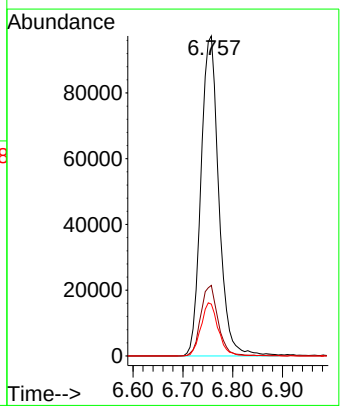


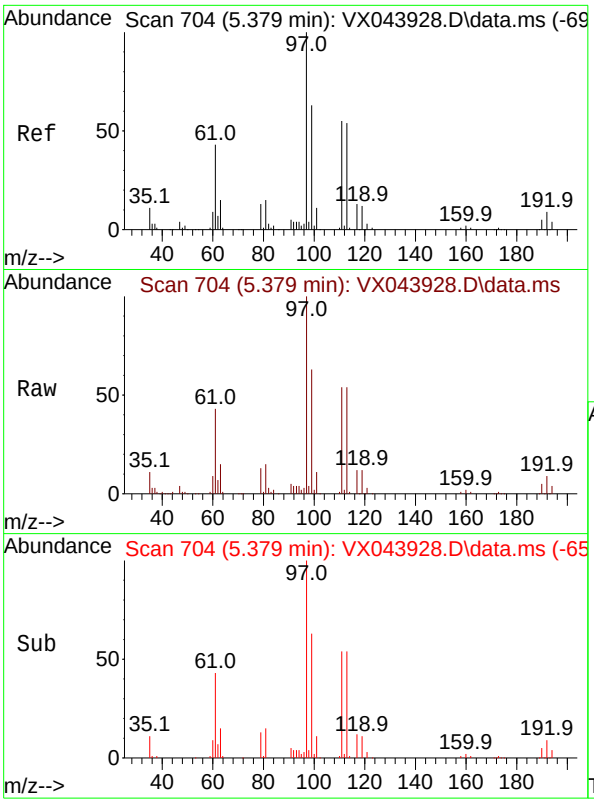




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:114 Resp: 241629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.0 |
| 88 | 16.2 | 0.0 | 32.4 |



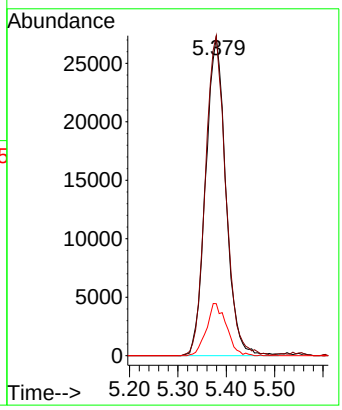


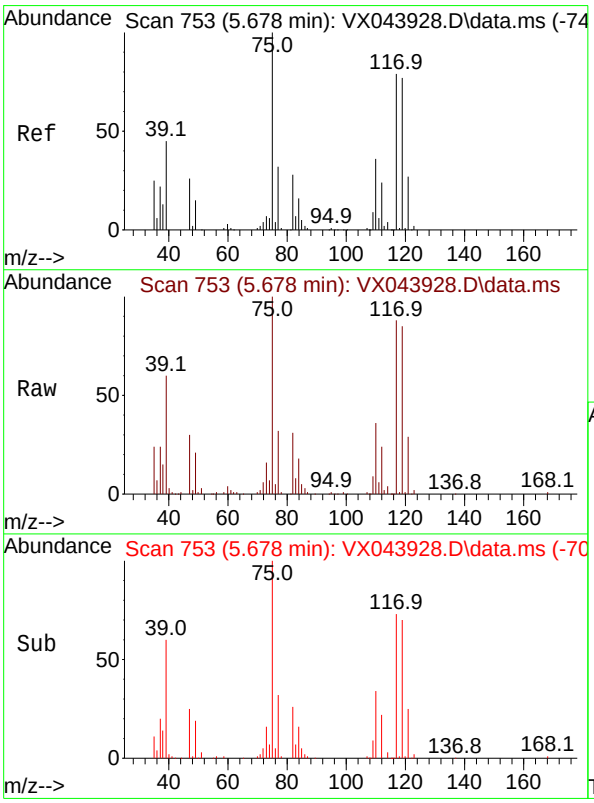

#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 78954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 81.0 | 121.4 |
| 192 | 16.3 | 13.0 | 19.6 |

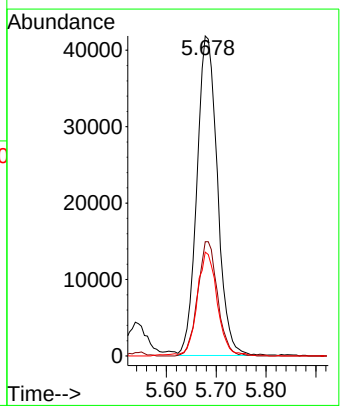


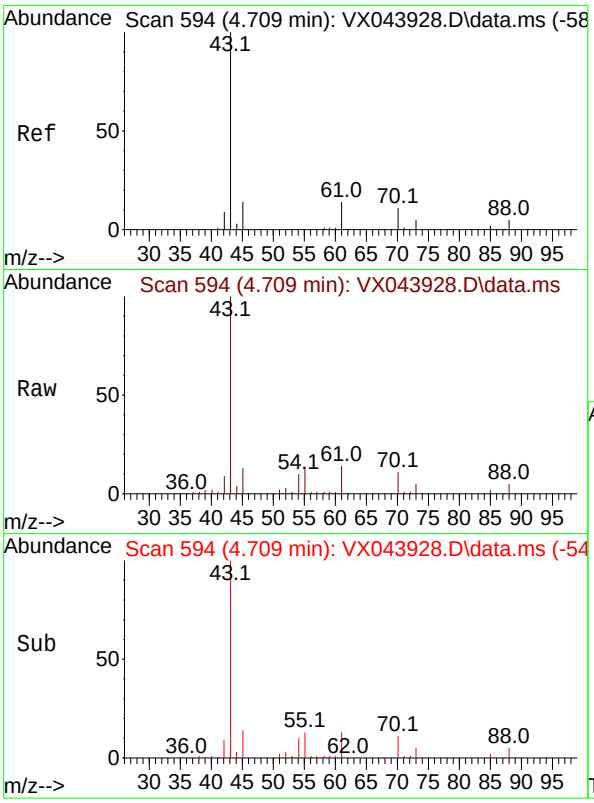




#36
1,1-Dichloropropene
Concen: 55.435 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 119269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.4 | 52.2 |
| 77 | 32.3 | 25.8 | 38.8 |



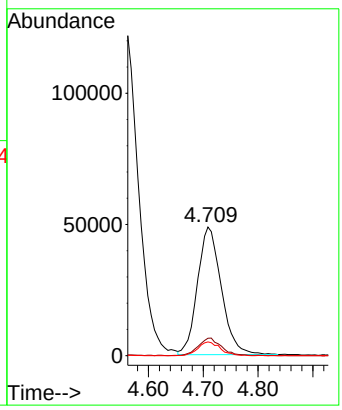


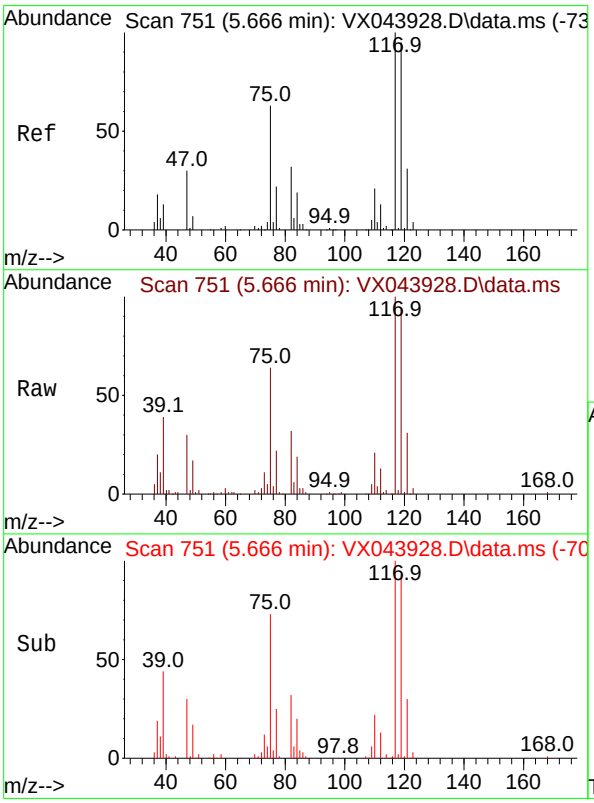

#37
Ethyl Acetate
Concen: 55.189 ug/l
RT: 4.709 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 147393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.4 | 10.7 | 16.1 |
| 70 | 10.0 | 8.0 | 12.0 |

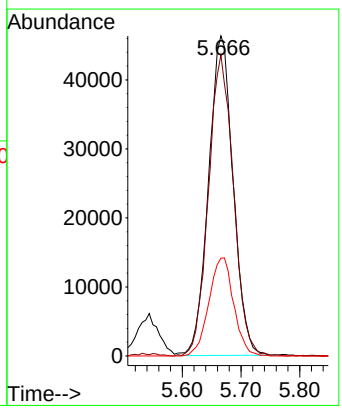


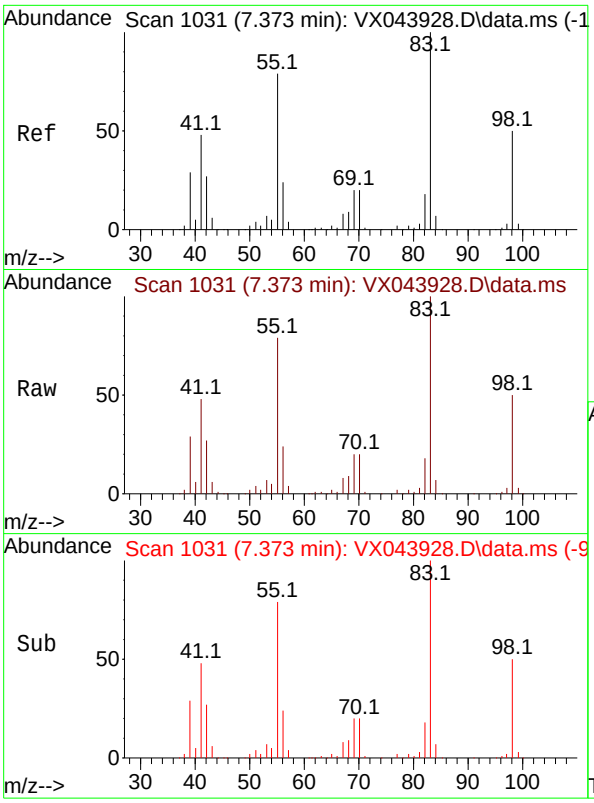




#38
Carbon Tetrachloride
Concen: 55.729 ug/l
RT: 5.666 min Scan# 751
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 134725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.6 | 24.5 | 36.7 |



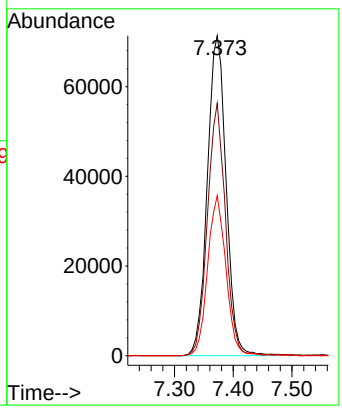


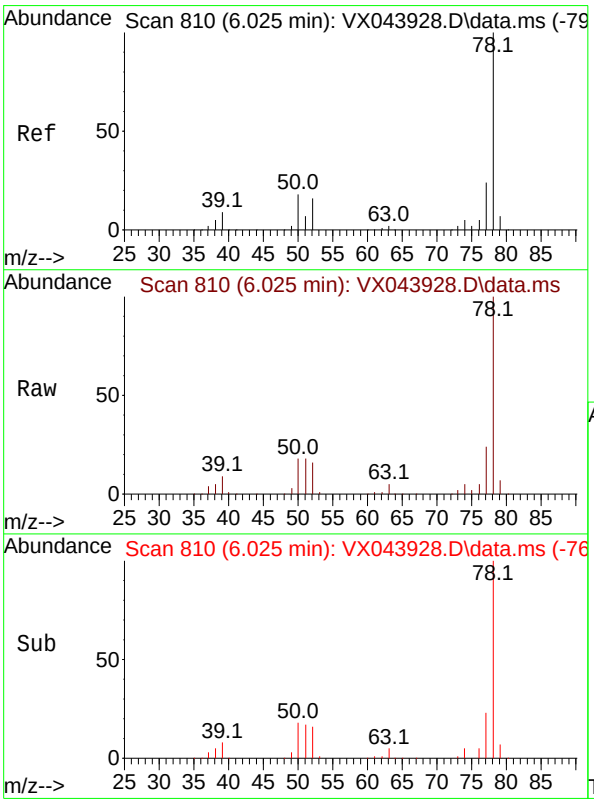

#39
Methylcyclohexane
Concen: 56.738 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 158586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.9 | 63.1 | 94.7 |
| 98 | 50.0 | 40.0 | 60.0 |

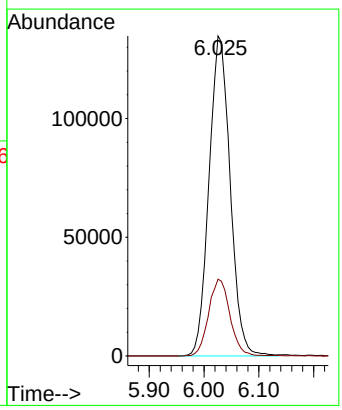


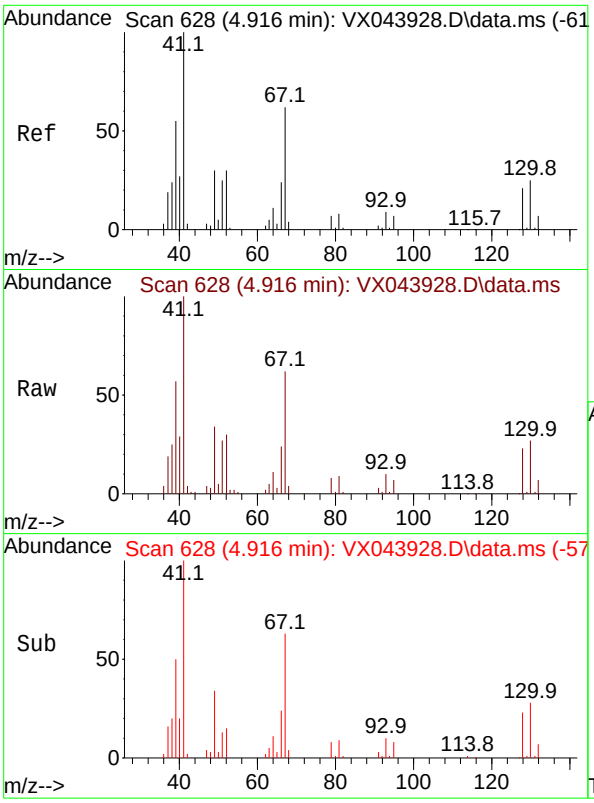




#40
Benzene
Concen: 53.863 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |



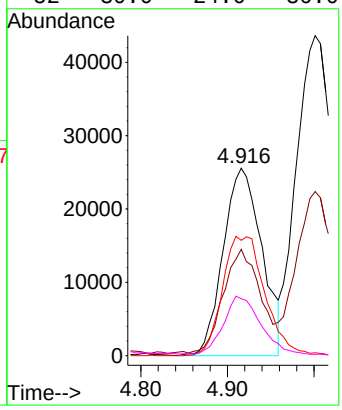


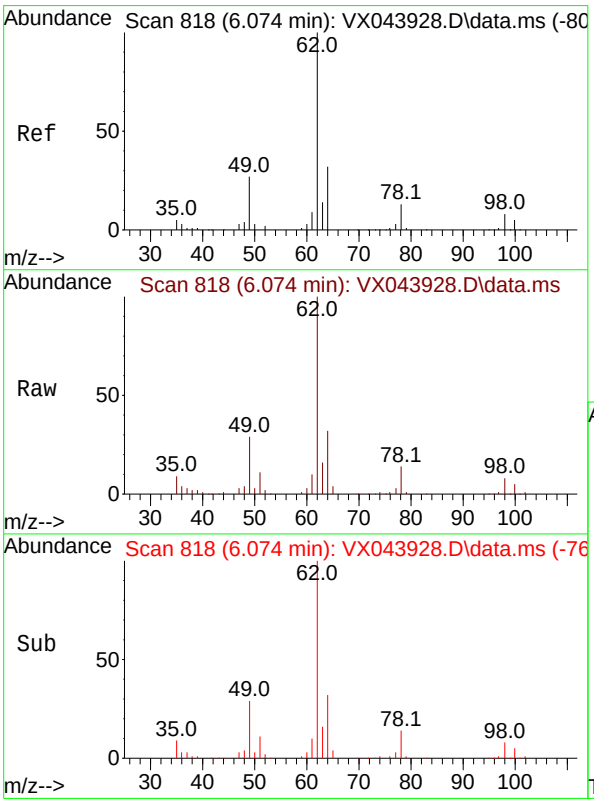

#41
Methacrylonitrile
Concen: 58.165 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 79507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 52.1 | 41.7 | 62.5 |
| 67 | 69.8 | 55.8 | 83.8 |
| 52 | 30.0 | 24.0 | 36.0 |

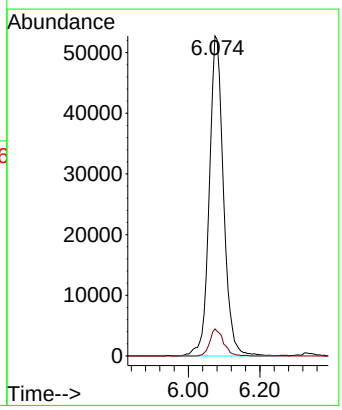


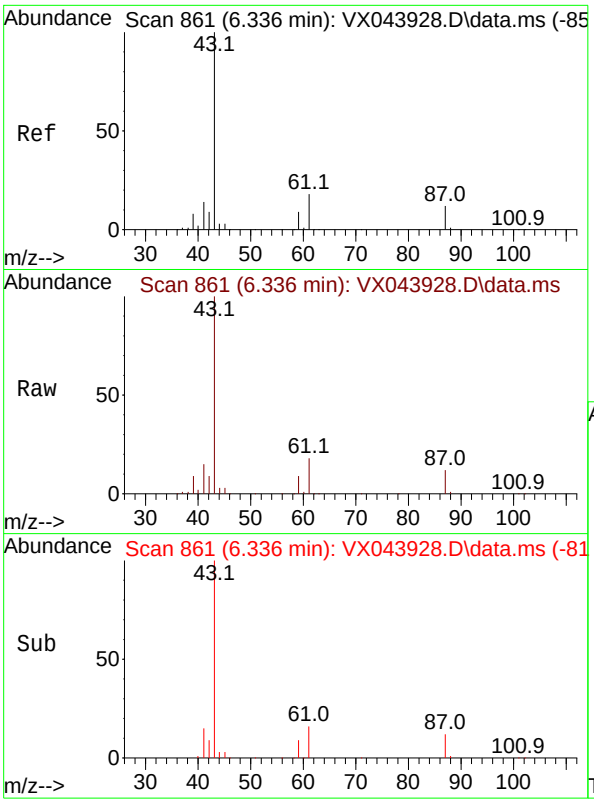




#42
1,2-Dichloroethane
Concen: 54.125 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 145681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 16.4 |



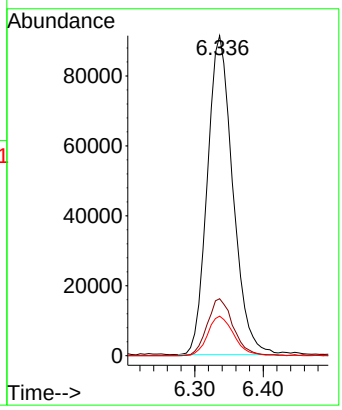


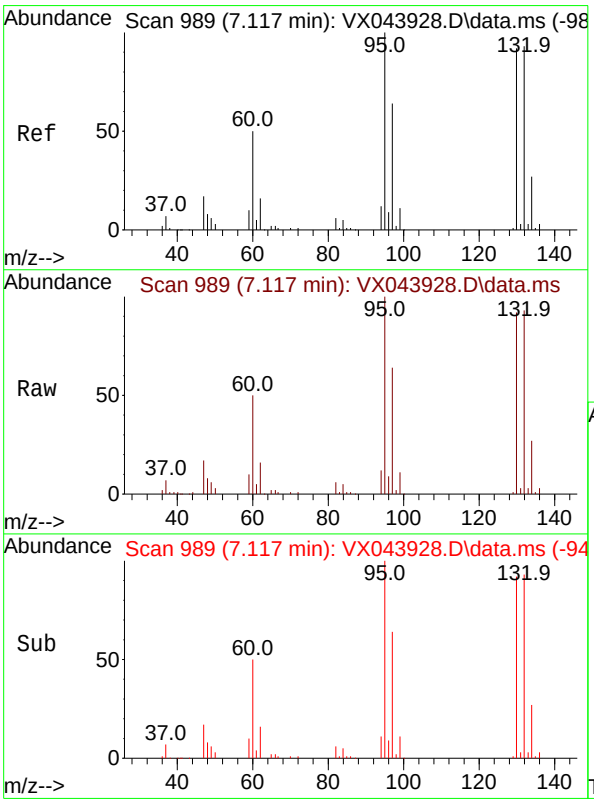

#43
Isopropyl Acetate
Concen: 55.492 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 235856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

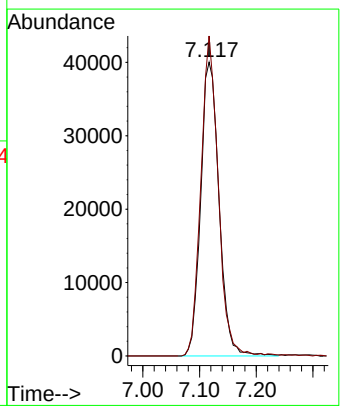


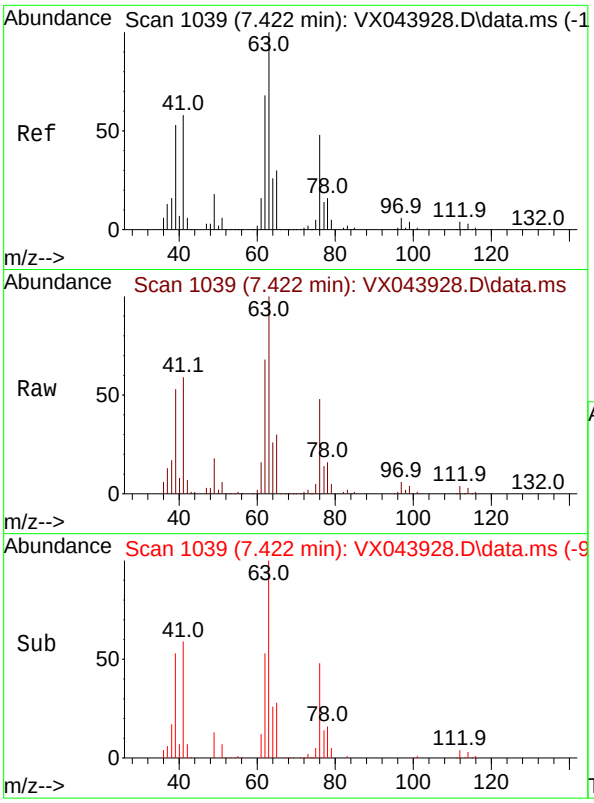




#44
Trichloroethene
Concen: 47.447 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:130 Resp: 90015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 108.9 | 0.0 | 217.8 |



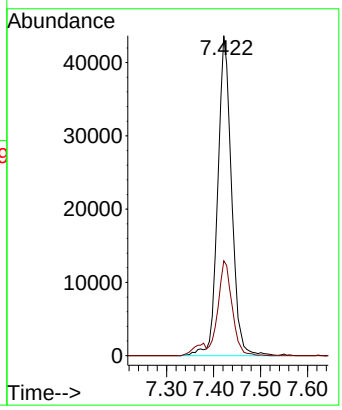


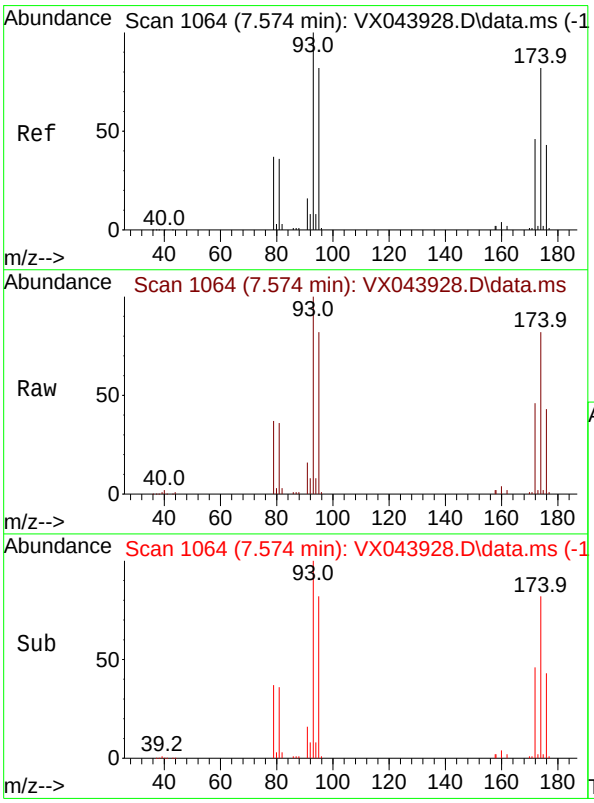

#45
1,2-Dichloropropane
Concen: 54.543 ug/l
RT: 7.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 89529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.7 | 23.8 | 35.6 |

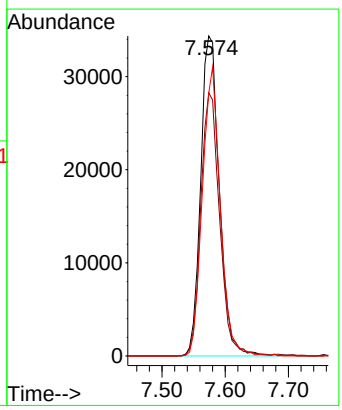


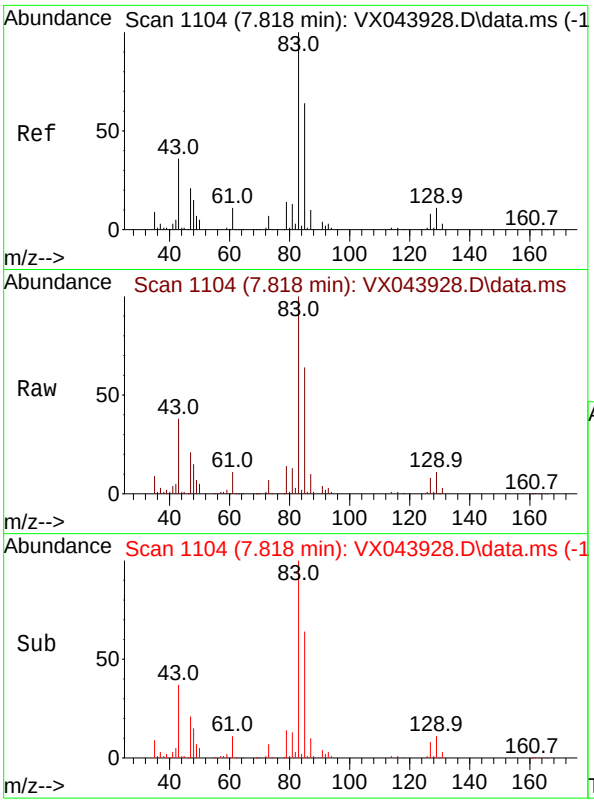




#46
Dibromomethane
Concen: 54.434 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 93 Resp: 70679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.8 | 66.2 | 99.4 |
| 174 | 87.0 | 69.6 | 104.4 |



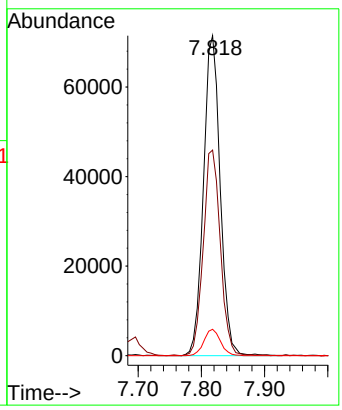


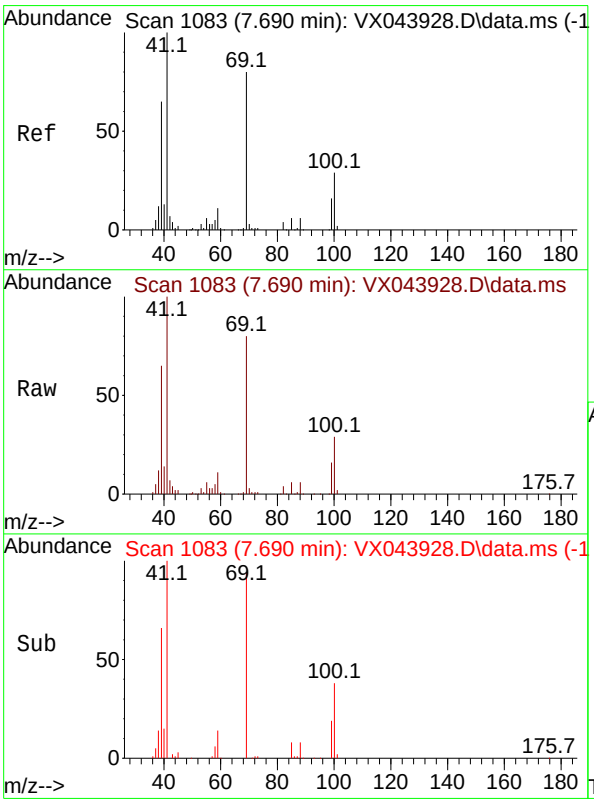

#47
Bromodichloromethane
Concen: 56.411 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 131365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 51.4 | 77.0 |
| 127 | 8.3 | 6.6 | 10.0 |

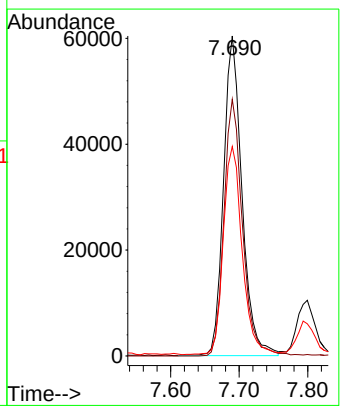


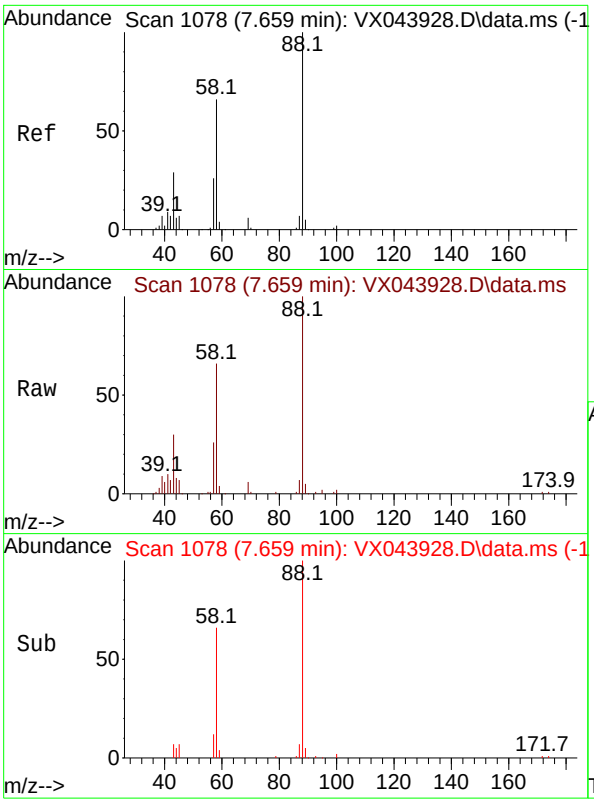




#48
Methyl methacrylate
Concen: 55.310 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.8 | 64.6 | 97.0 |
| 39 | 66.6 | 53.3 | 79.9 |



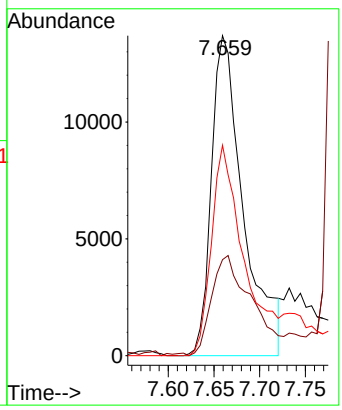


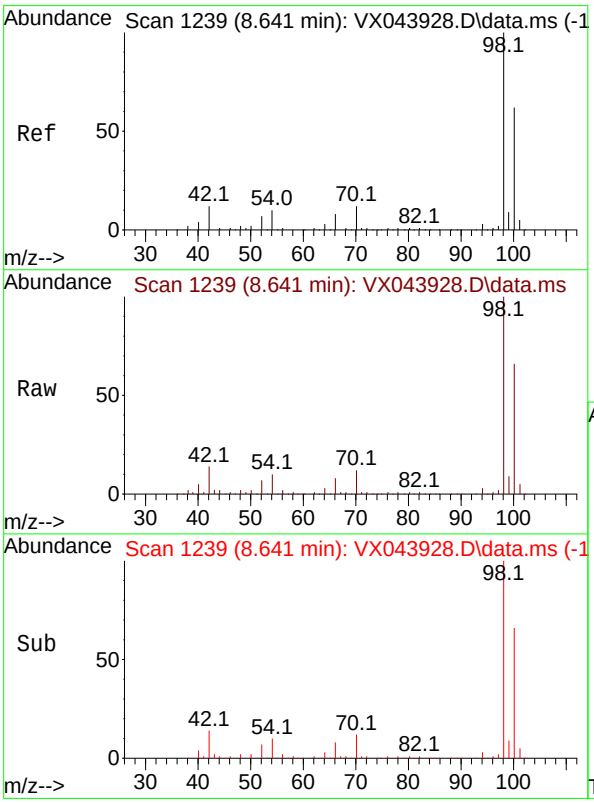

#49
1,4-Dioxane
Concen: 949.925 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 33402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 26.8 | 40.2 |
| 58 | 66.8 | 45.4 | 68.2 |

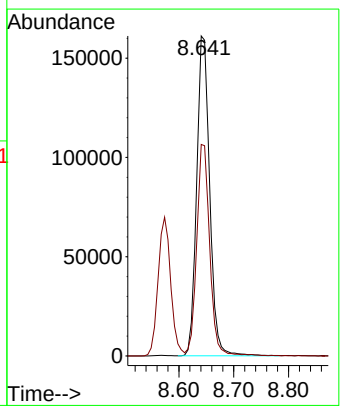


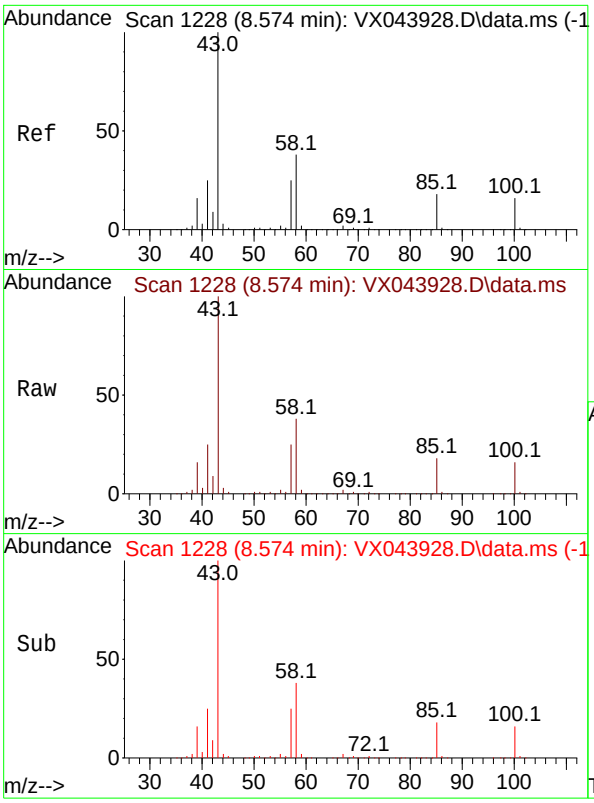




#50
Toluene-d8
Concen: 44.803 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 98 Resp: 266650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.8 | 52.6 | 79.0 |



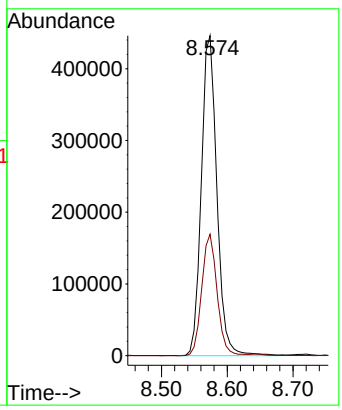


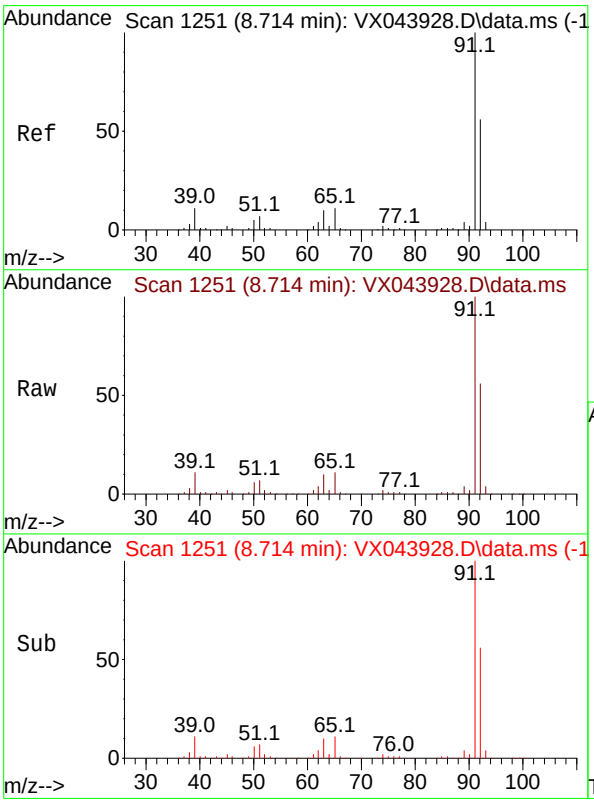

#51
4-Methyl-2-Pentanone
Concen: 282.442 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 732582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.0 | 45.0 |

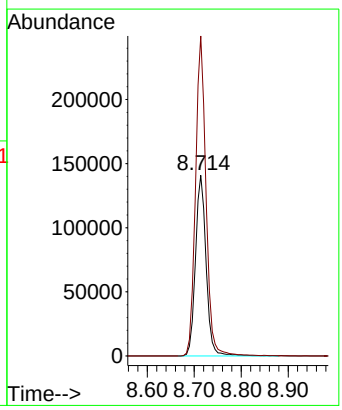


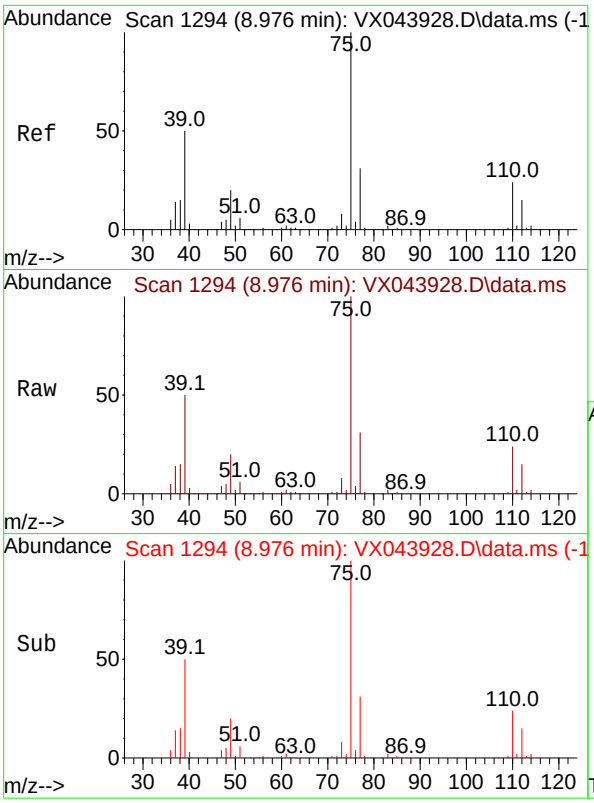




#52
Toluene
Concen: 55.469 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 92 Resp: 222500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.6 | 139.7 | 209.5 |



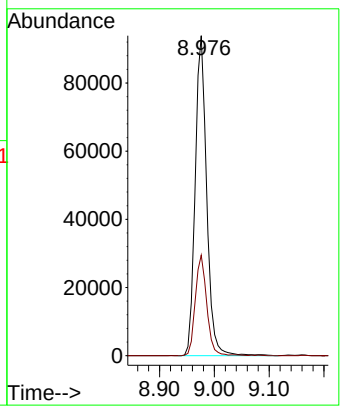


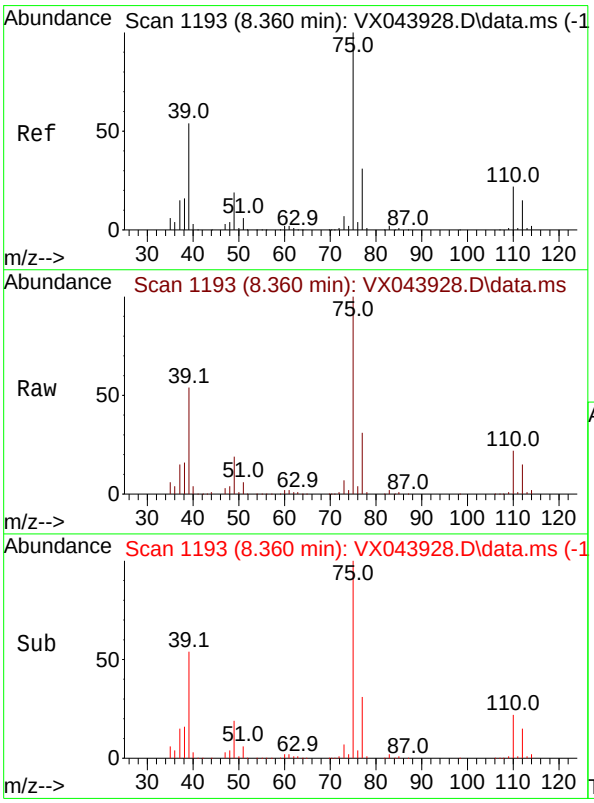

#53
t-1,3-Dichloropropene
Concen: 57.881 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 137451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.1 | 37.7 |

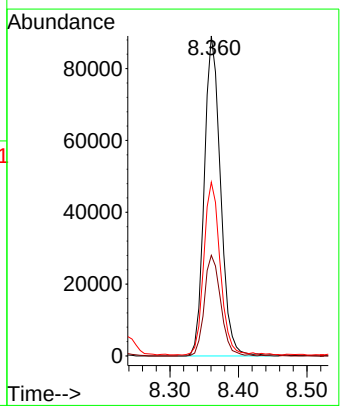


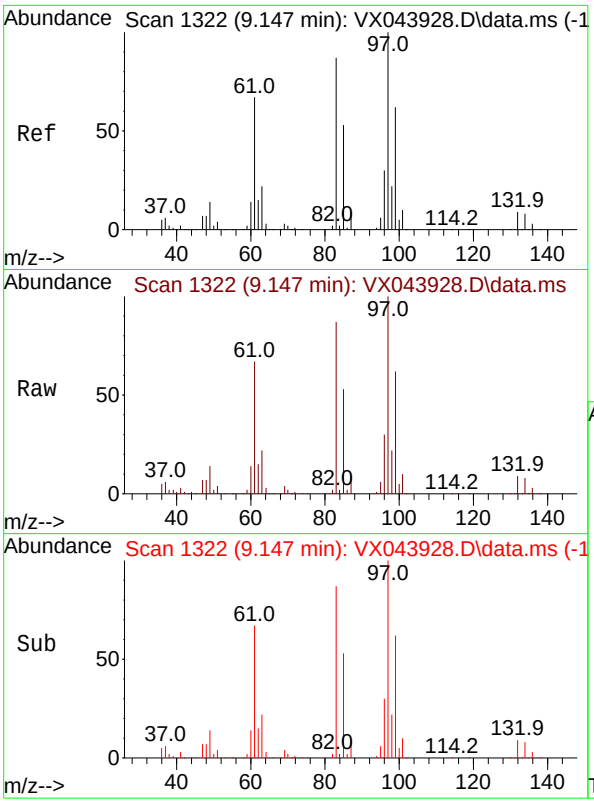




#54
cis-1,3-Dichloropropene
Concen: 56.712 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 147638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.2 | 37.8 |
| 39 | 53.9 | 43.1 | 64.7 |



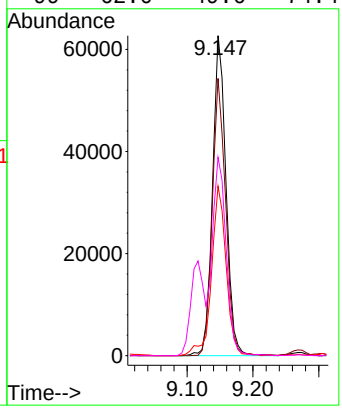


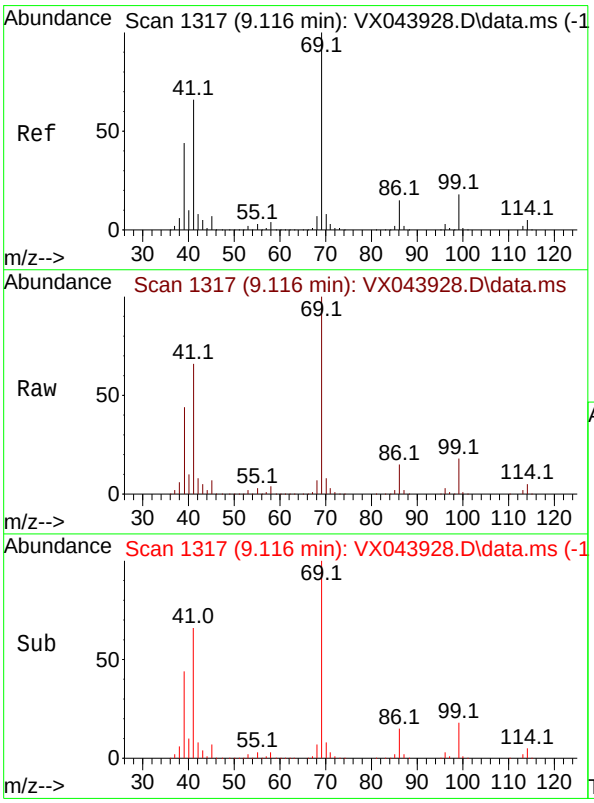

#55
1,1,2-Trichloroethane
Concen: 54.016 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 89441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.7 | 69.4 | 104.0 |
| 85 | 52.9 | 42.3 | 63.5 |
| 99 | 62.0 | 49.6 | 74.4 |

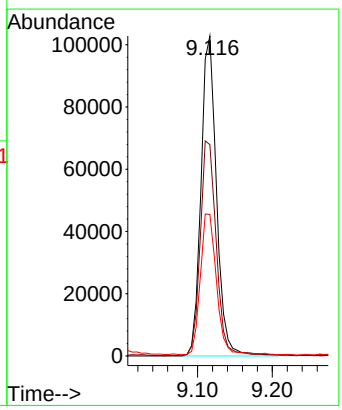


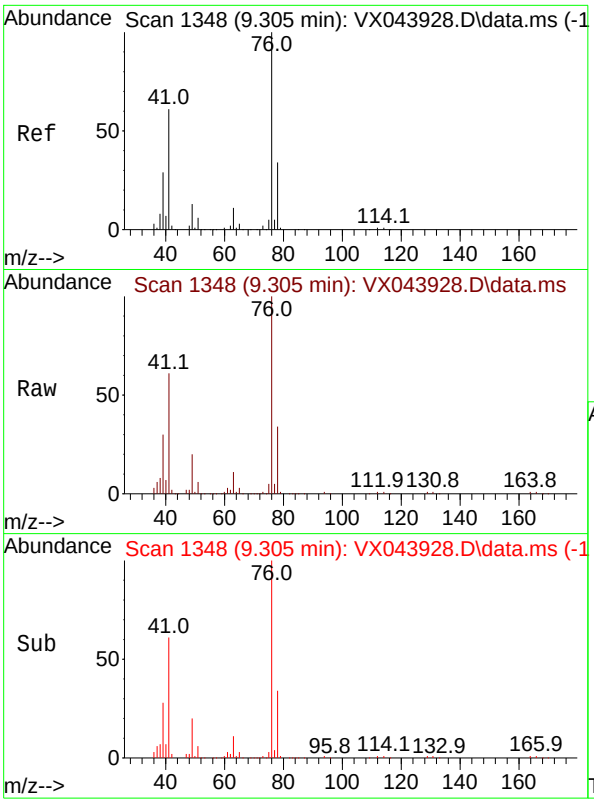




#56
Ethyl methacrylate
Concen: 57.494 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 69 Resp: 148281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 55.8 | 83.8 |
| 39 | 45.9 | 36.7 | 55.1 |



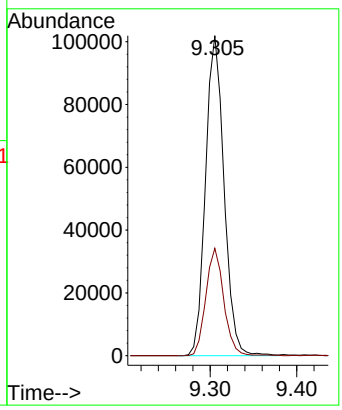


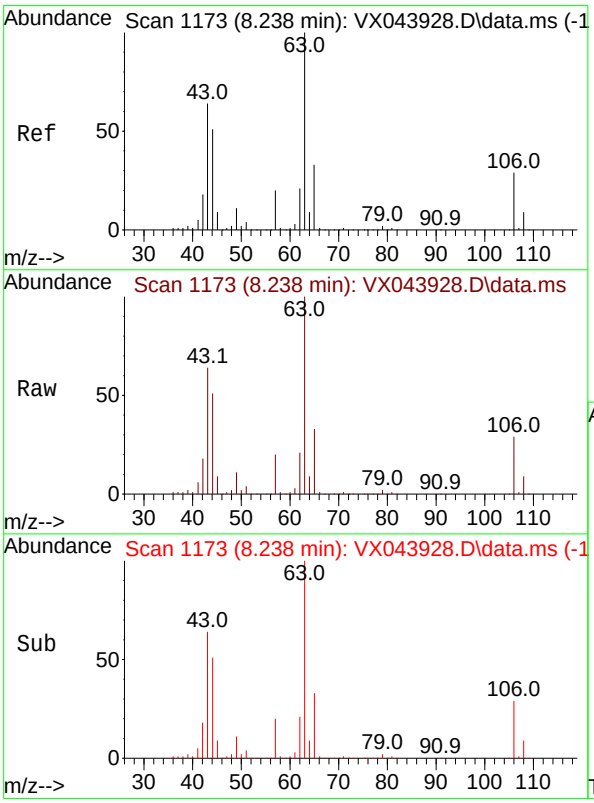

#57
1,3-Dichloropropane
Concen: 54.180 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 151124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.0 | 39.0 |

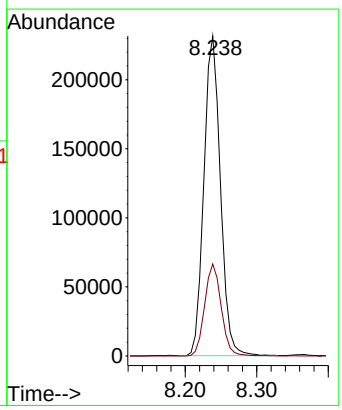


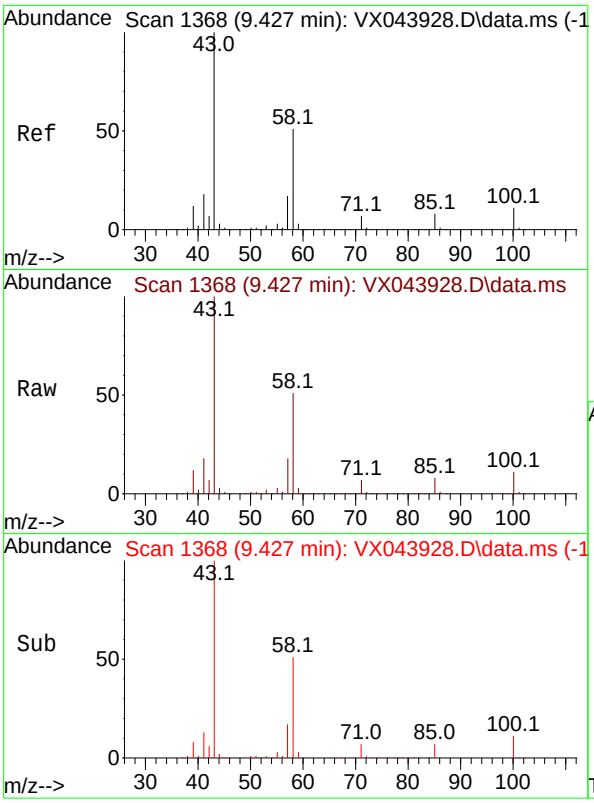




#58
2-Chloroethyl Vinyl ether
Concen: 262.805 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.8 | 23.0 | 34.6 |



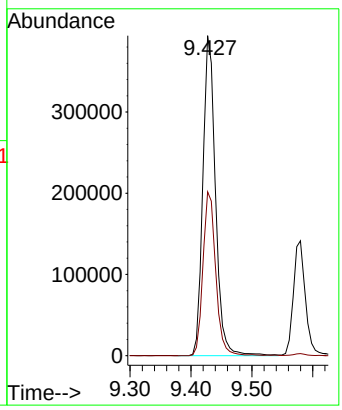


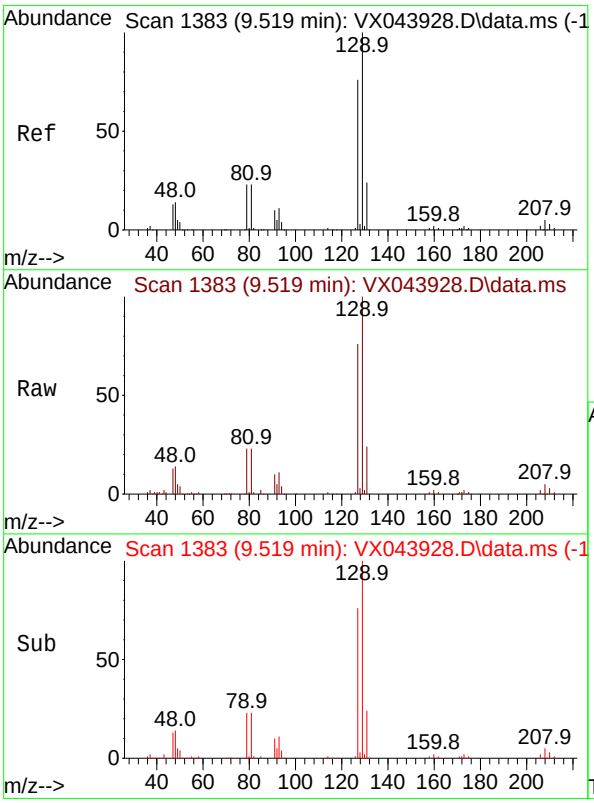

#59
2-Hexanone
Concen: 291.589 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 568460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

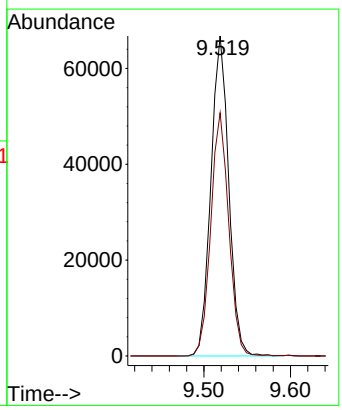


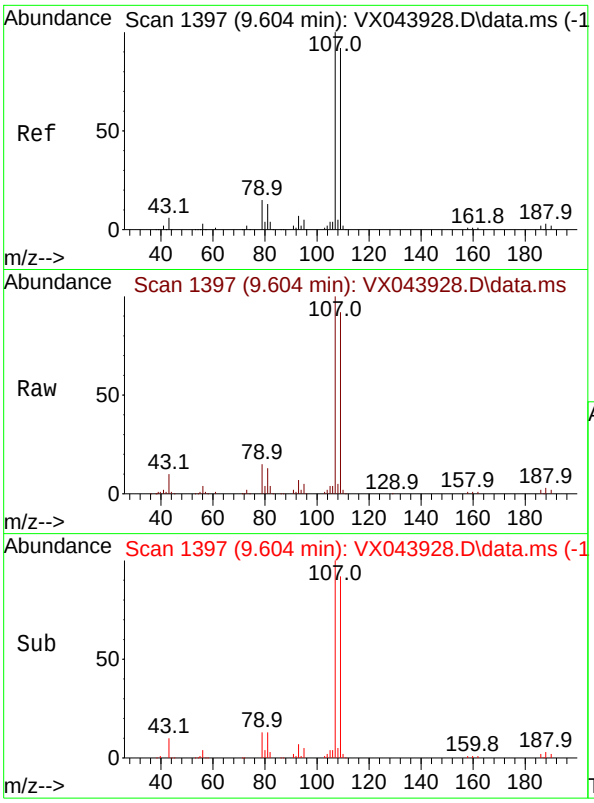




#60
Dibromochloromethane
Concen: 57.569 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:129 Resp: 95641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.4 | 38.2 | 114.6 |



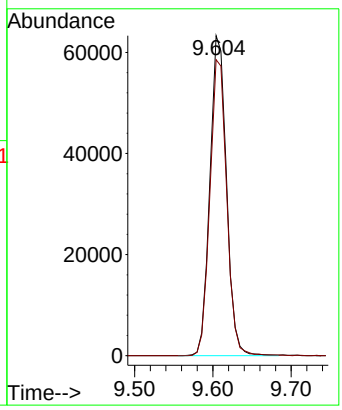


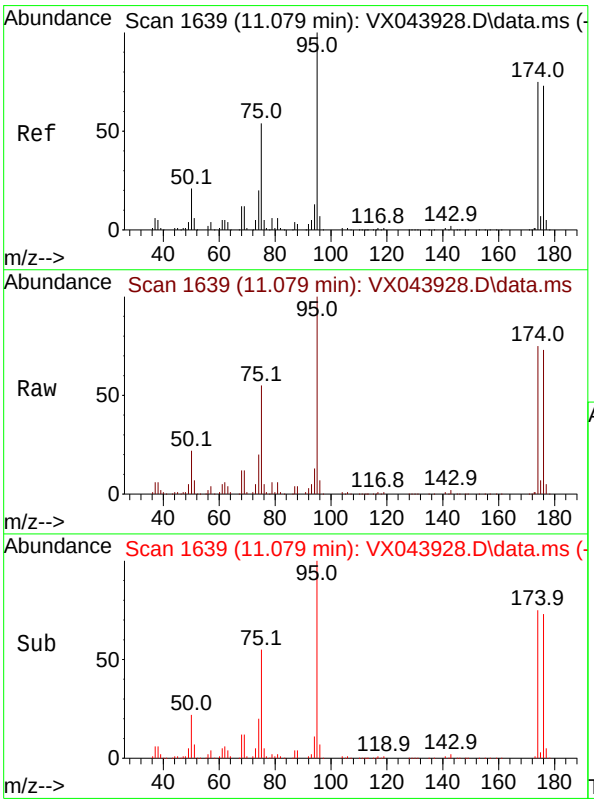

#61
1,2-Dibromoethane
Concen: 55.510 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 92940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.0 | 75.2 | 112.8 |

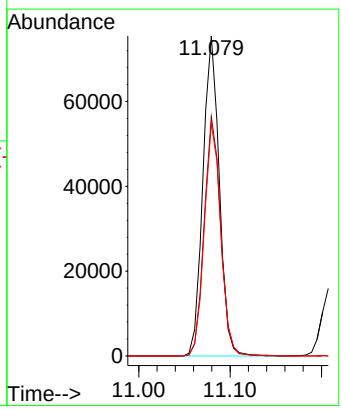


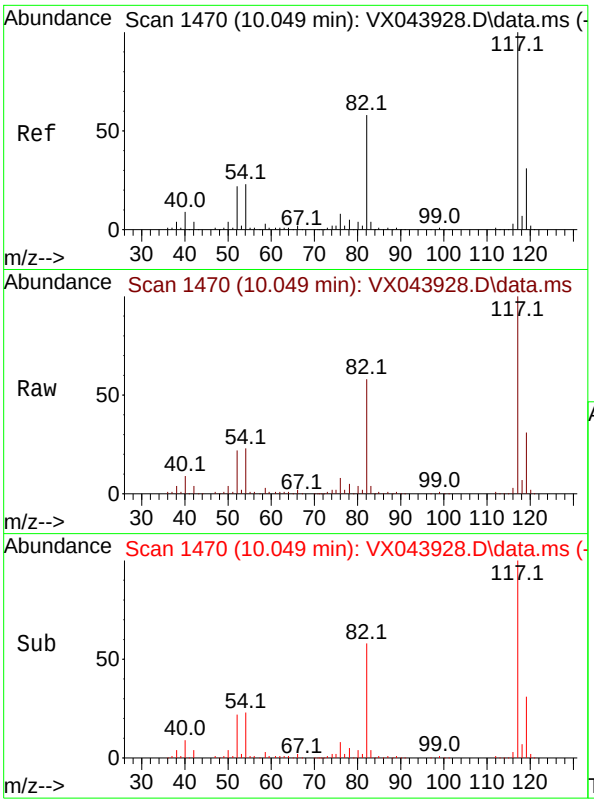




#62
4-Bromofluorobenzene
Concen: 46.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 95 Resp: 93510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.2 | 0.0 | 150.4 |
| 176 | 73.0 | 0.0 | 146.0 |



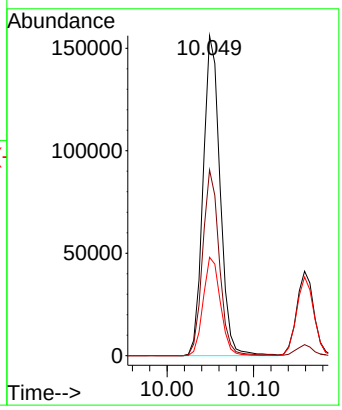


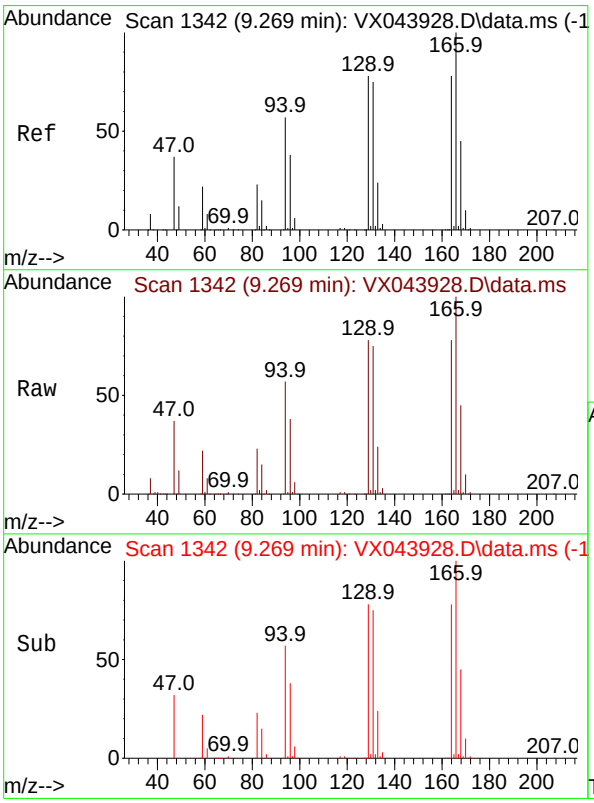

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 212243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.0 | 46.4 | 69.6 |
| 119 | 30.8 | 24.6 | 37.0 |

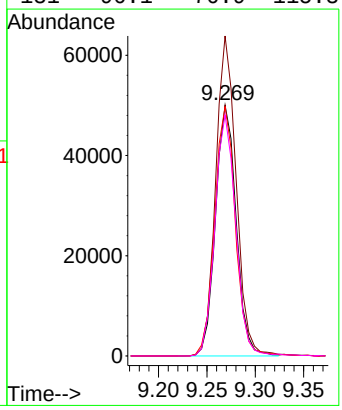


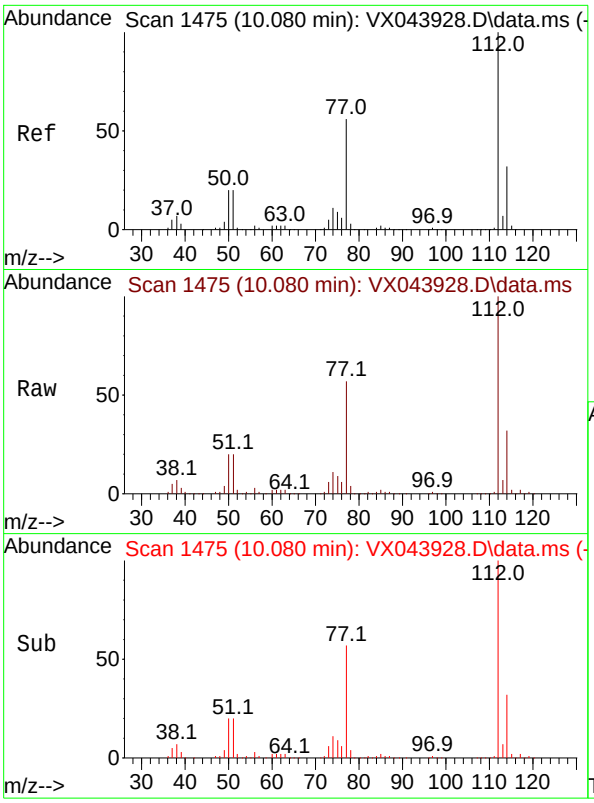




#64
Tetrachloroethene
Concen: 52.988 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.6 | 102.1 | 153.1 |
| 129 | 99.5 | 79.6 | 119.4 |
| 131 | 96.1 | 76.9 | 115.3 |



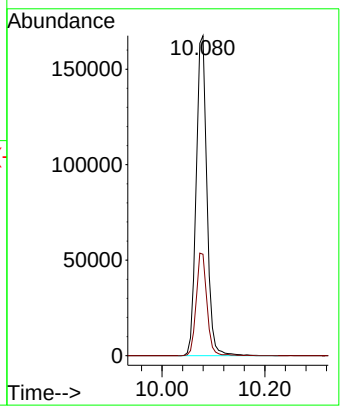


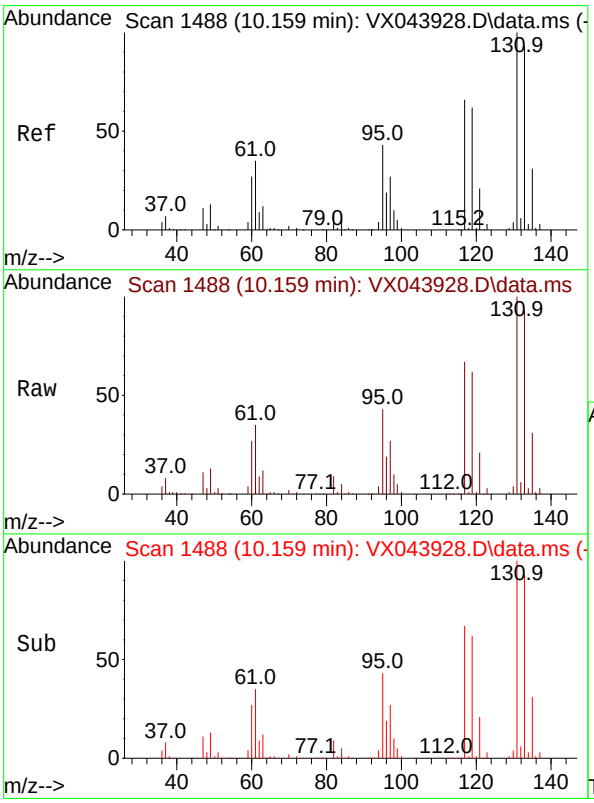

#65
Chlorobenzene
Concen: 52.147 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 243080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.7 | 25.4 | 38.0 |

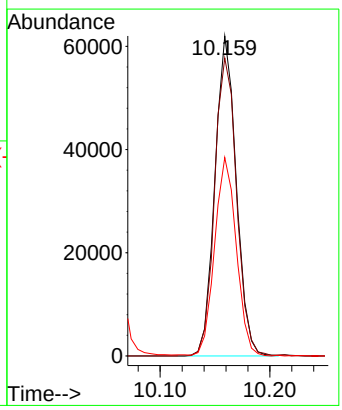


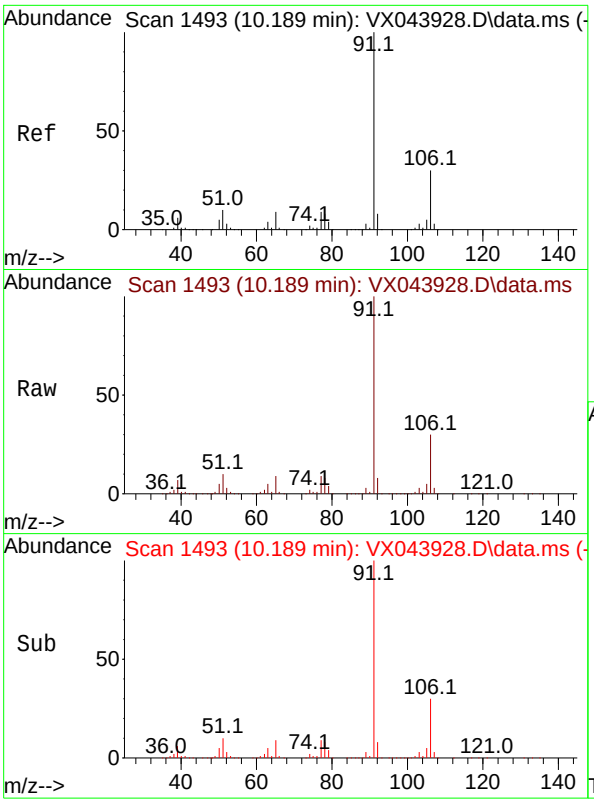




#66
1,1,1,2-Tetrachloroethane
Concen: 55.520 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.4 | 48.2 | 144.6 |
| 119 | 63.0 | 31.5 | 94.5 |



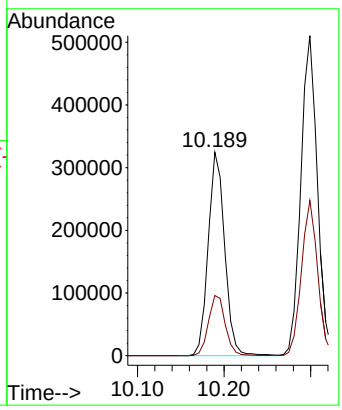


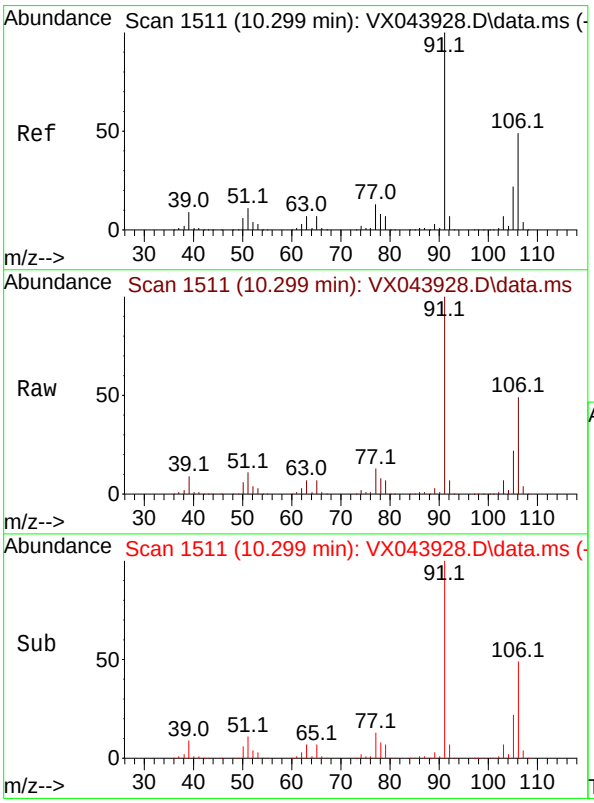

#67
Ethyl Benzene
Concen: 54.383 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 429559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 23.6 | 35.4 |

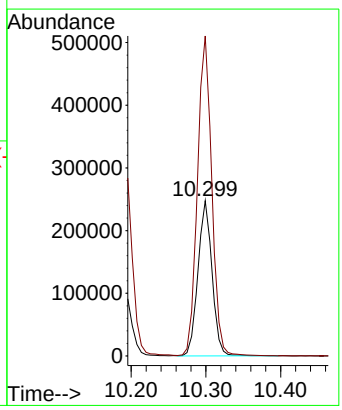


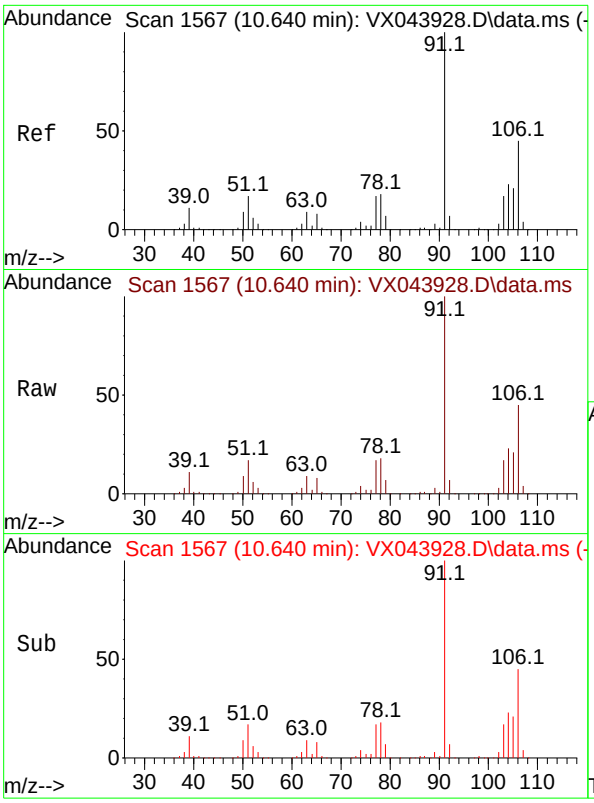




#68
m/p-Xylenes
Concen: 109.878 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:106 Resp: 323661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.1 | 168.1 | 252.1 |



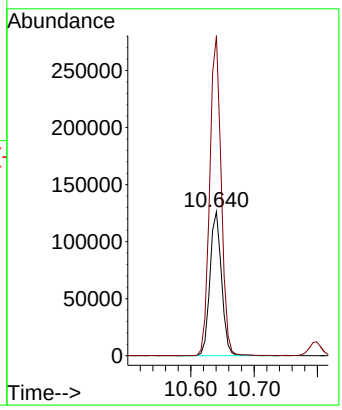


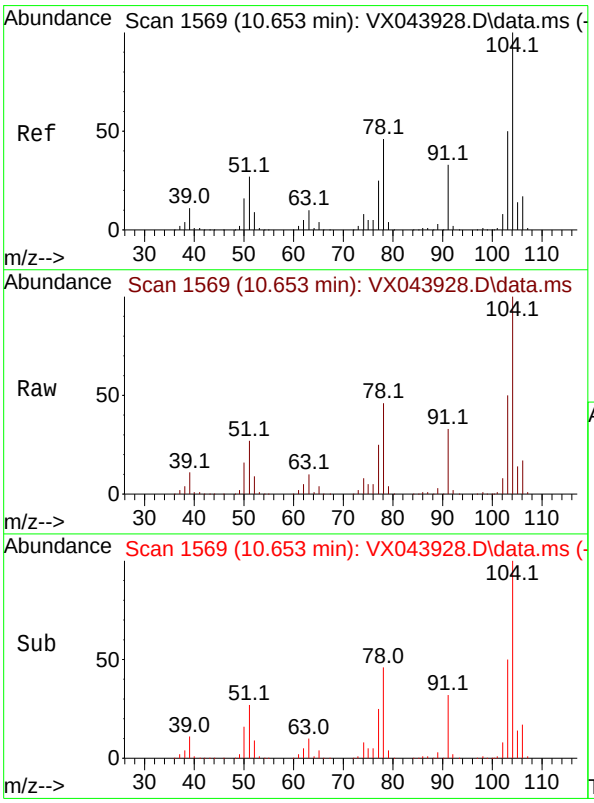

#69
o-Xylene
Concen: 55.856 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 160643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.4 | 110.2 | 330.6 |

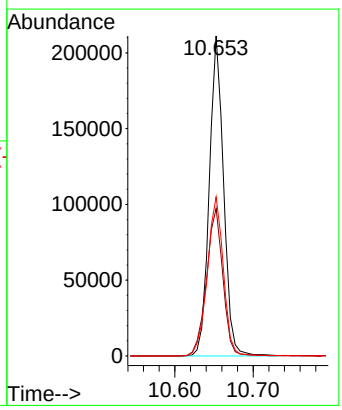


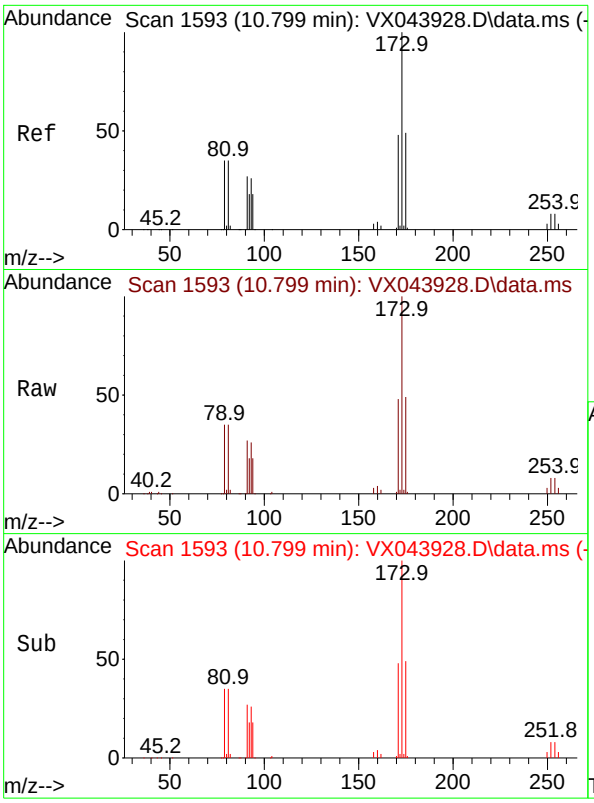




#70
Styrene
Concen: 56.341 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.7 | 42.2 | 63.2 |
| 103 | 55.9 | 44.7 | 67.1 |



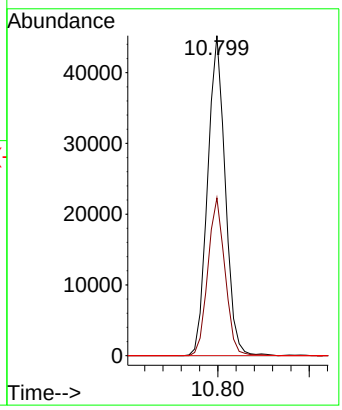


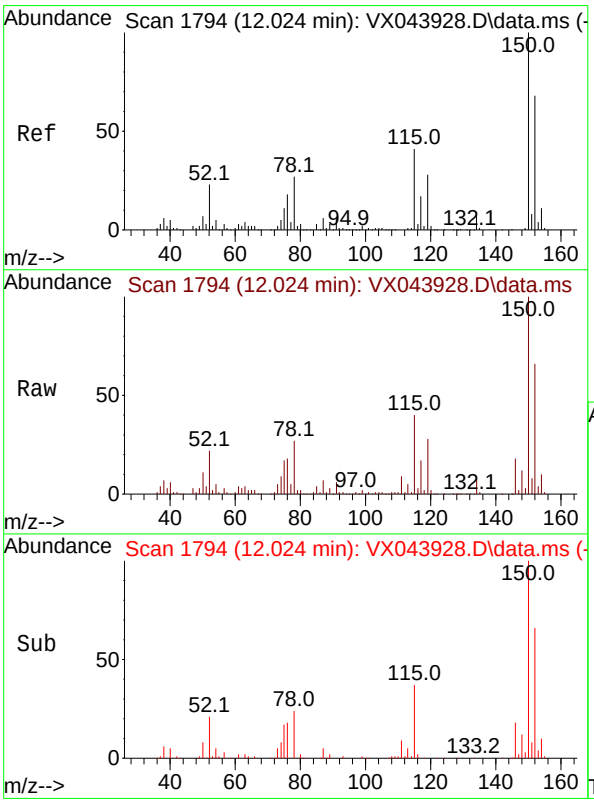

#71
Bromoform
Concen: 52.275 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 60267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

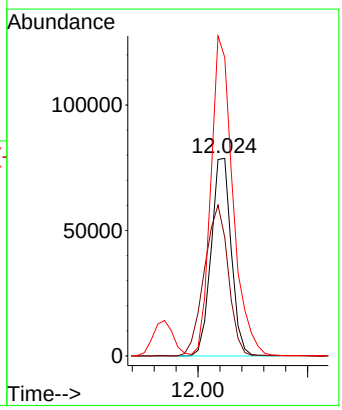


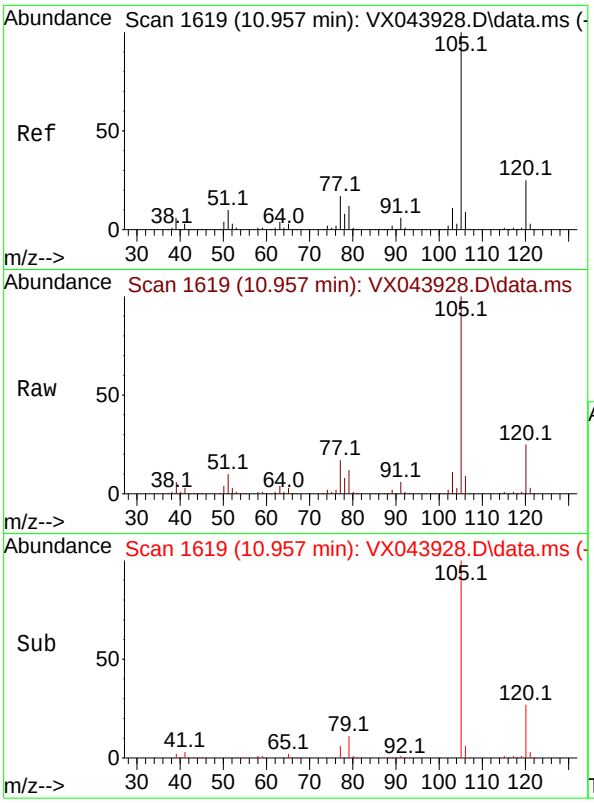




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:152 Resp: 100316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.8 | 45.4 | 136.2 |
| 150 | 176.5 | 0.0 | 353.0 |



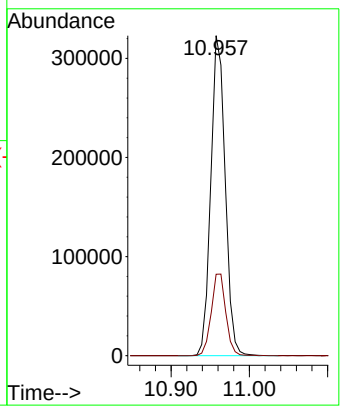


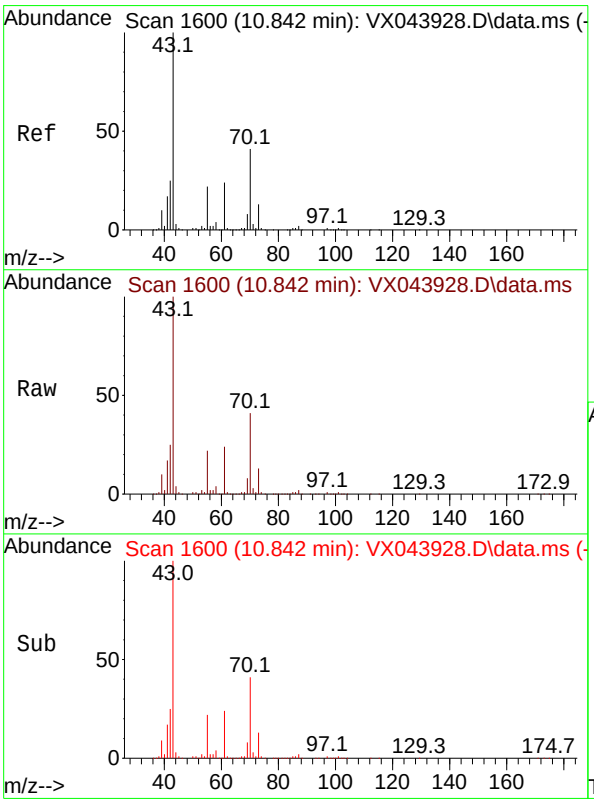

#73
Isopropylbenzene
Concen: 53.299 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 411000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 38.9 |

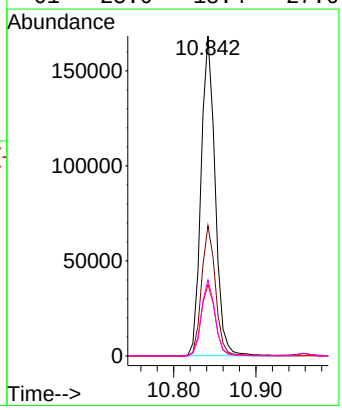


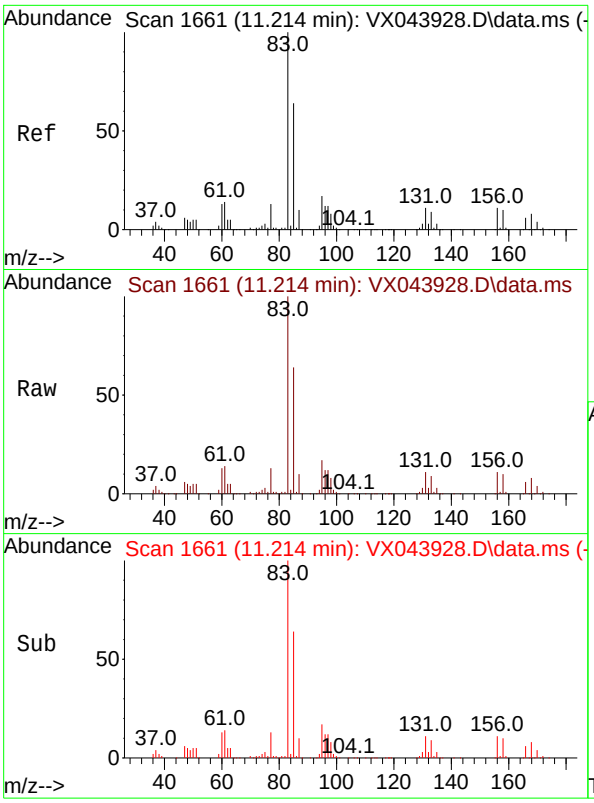




#74
N-amyl acetate
Concen: 56.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 22.6 | 18.1 | 27.1 |
| 61 | 23.0 | 18.4 | 27.6 |



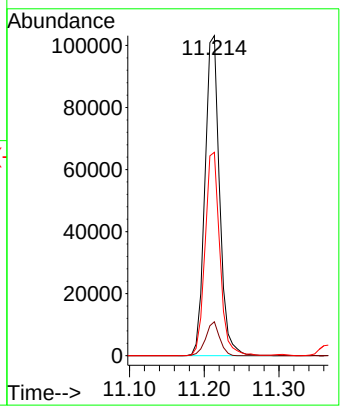


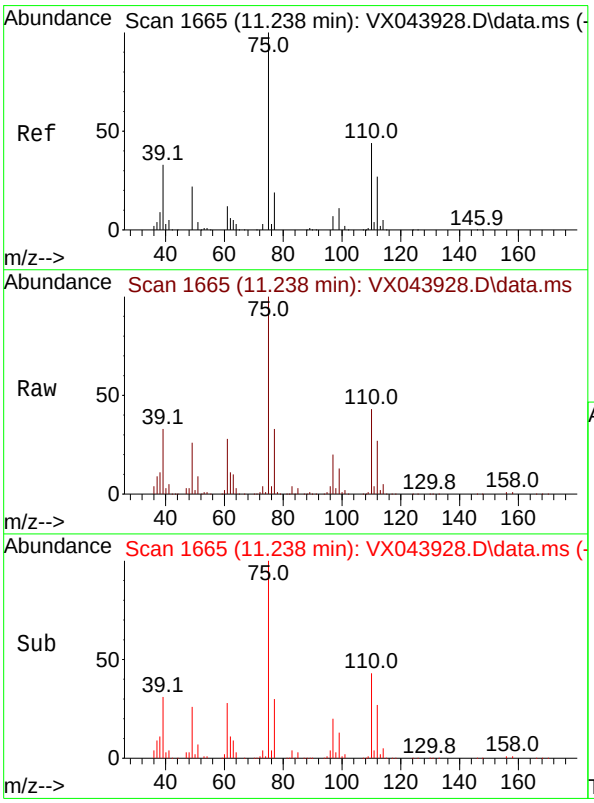

#75
1,1,2,2-Tetrachloroethane
Concen: 52.930 ug/l
RT: 11.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 139756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.1 | 15.2 |
| 85 | 64.4 | 32.2 | 96.6 |

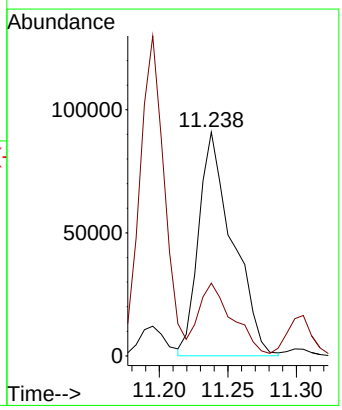


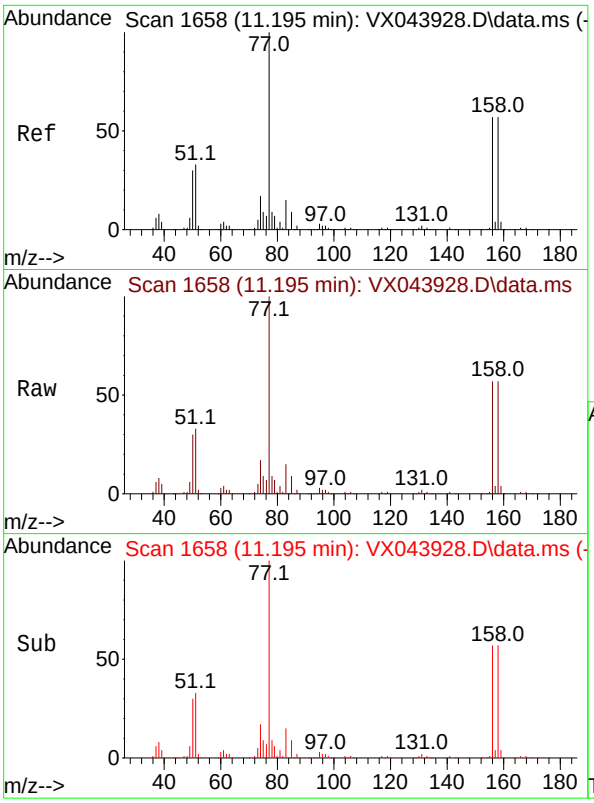




#76
1,2,3-Trichloropropane
Concen: 72.666 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 157199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 21.8 | 65.3 |



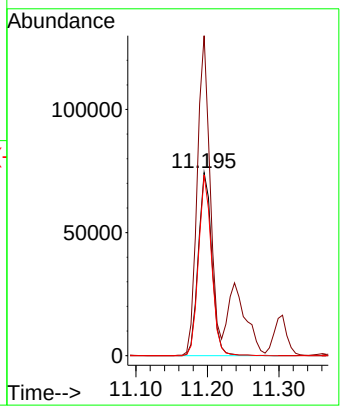


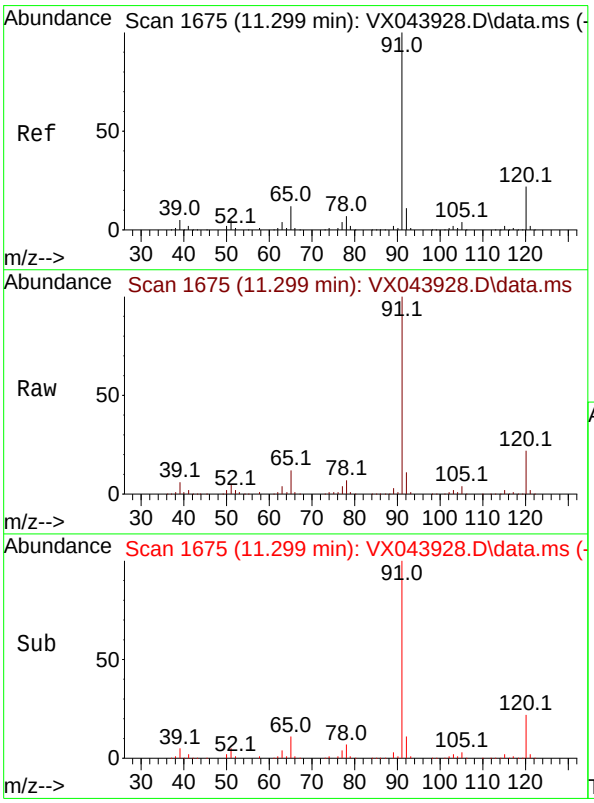

#77
Bromobenzene
Concen: 53.145 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 97761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.7 | 83.4 | 250.1 |
| 158 | 95.2 | 47.6 | 142.8 |

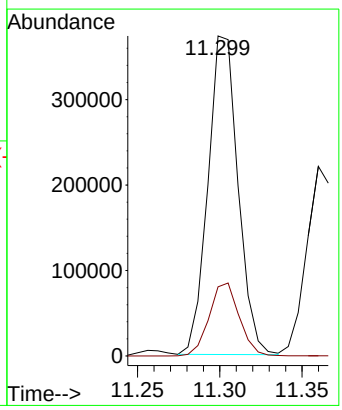


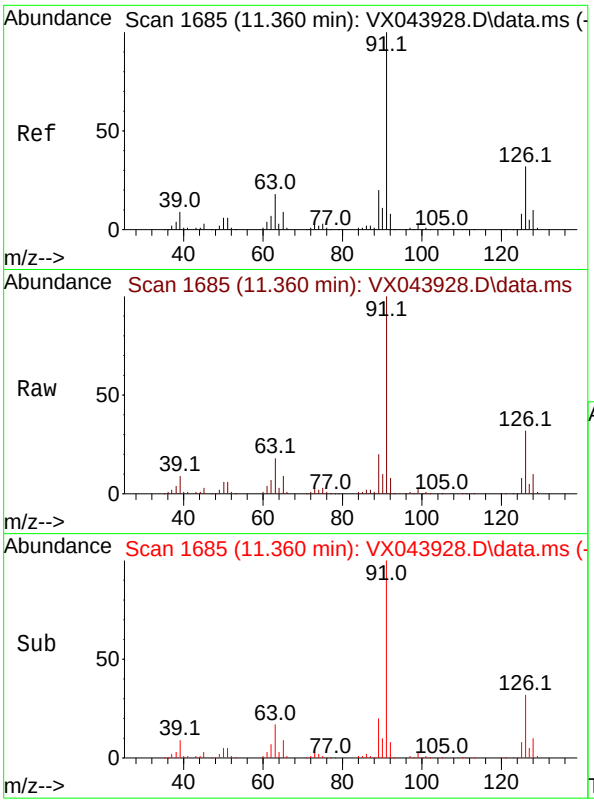




#78
n-propylbenzene
Concen: 55.131 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 474802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.9 | 11.5 | 34.4 |



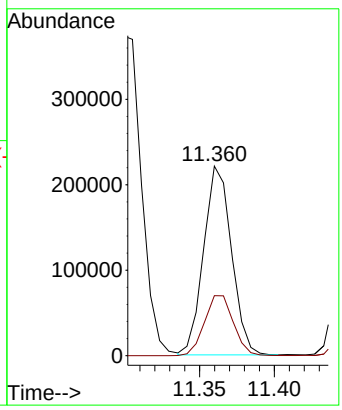


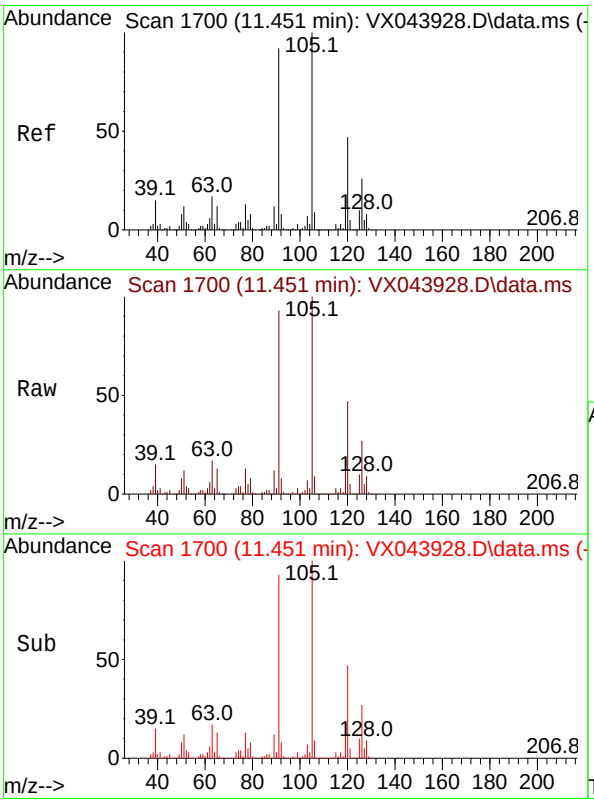

#79
2-Chlorotoluene
Concen: 52.636 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 286649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.2 | 16.6 | 49.8 |

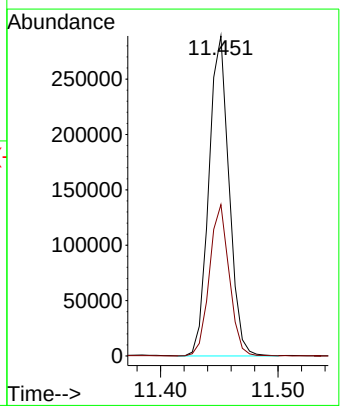


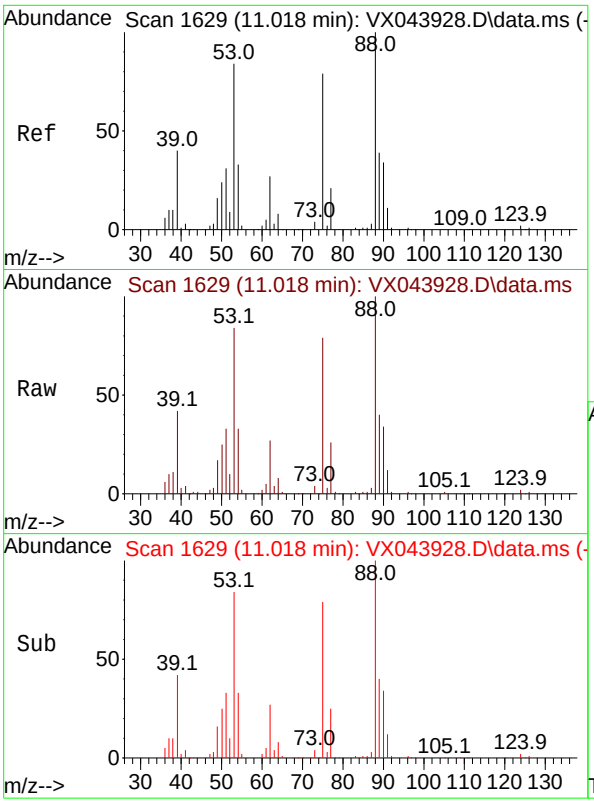




#80
1,3,5-Trimethylbenzene
Concen: 54.465 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.5 | 23.3 | 69.8 |



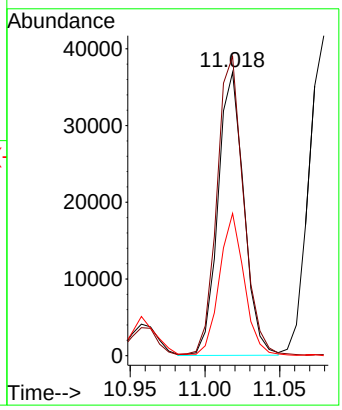


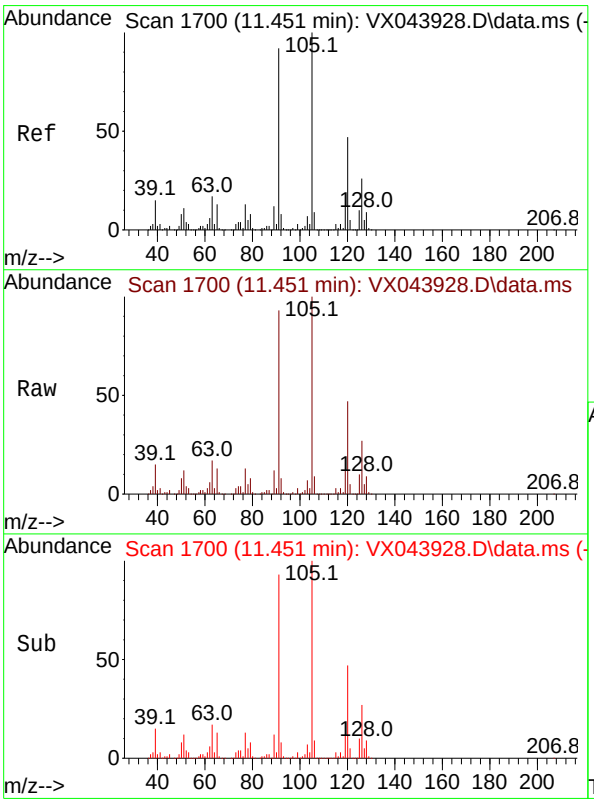

#81
trans-1,4-Dichloro-2-butene
Concen: 55.136 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 44450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.4 | 86.7 | 130.1 |
| 89 | 47.7 | 38.2 | 57.2 |

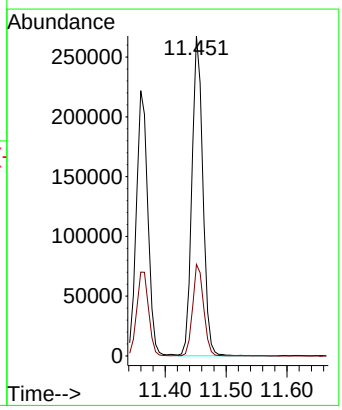


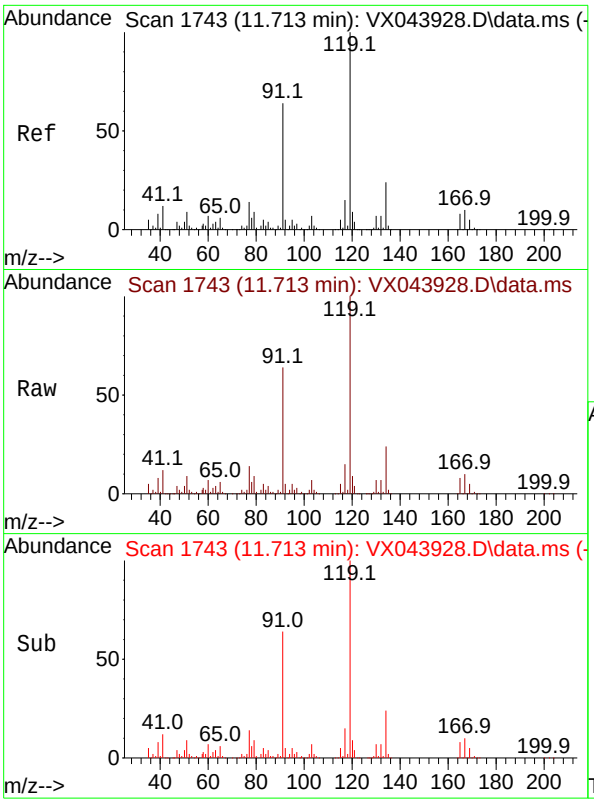




#82
4-Chlorotoluene
Concen: 54.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |



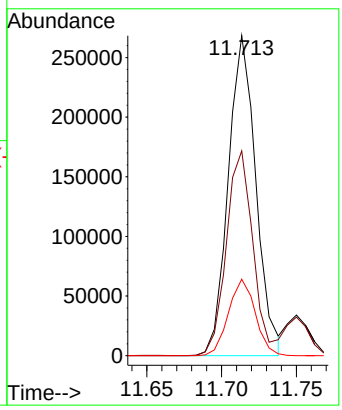


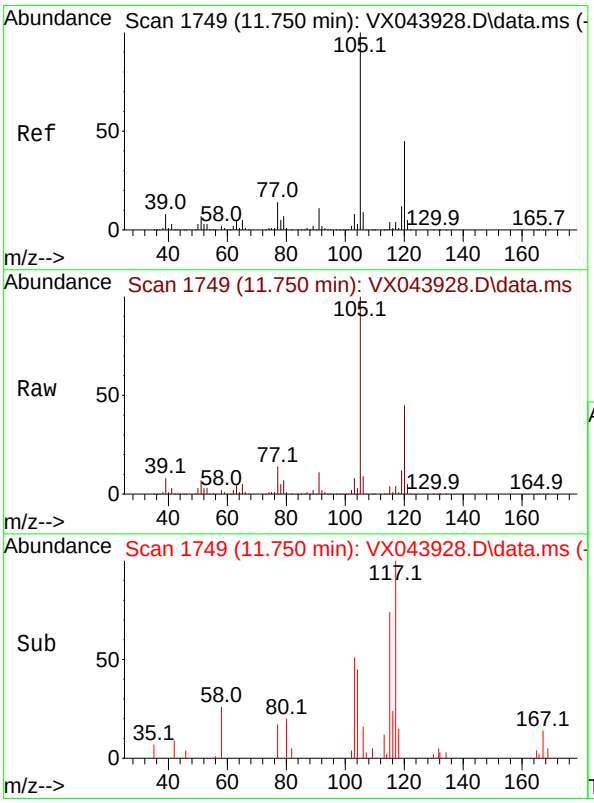

#83
tert-Butylbenzene
Concen: 54.884 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 345112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.0 | 31.0 | 93.0 |
| 134 | 23.2 | 11.6 | 34.8 |

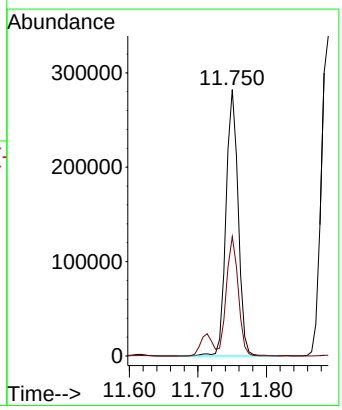


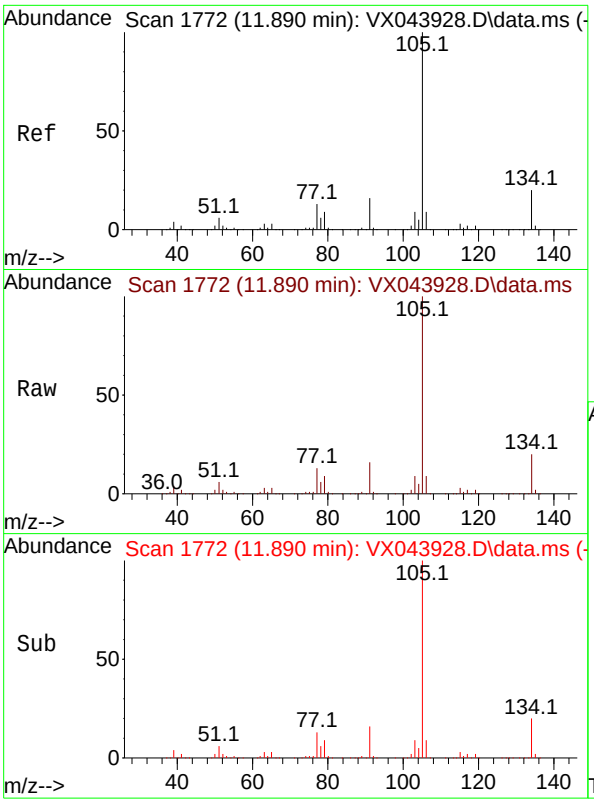




#84
1,2,4-Trimethylbenzene
Concen: 54.640 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.9 | 65.7 |



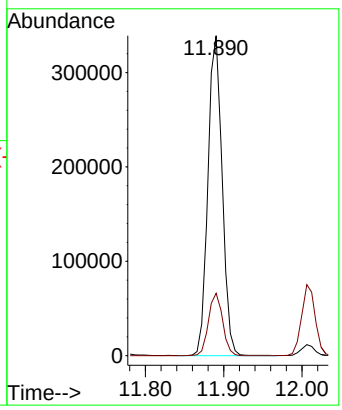


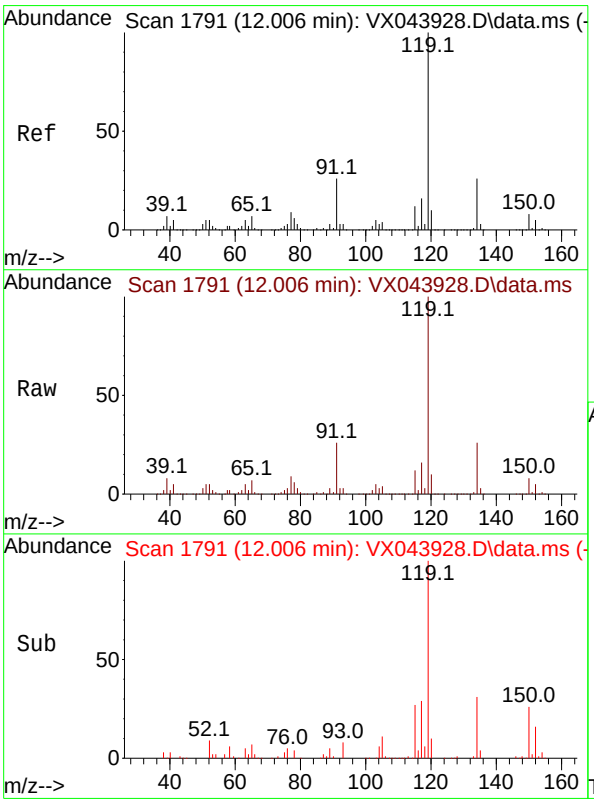

#85
sec-Butylbenzene
Concen: 55.331 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 426284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.7 | 29.1 |

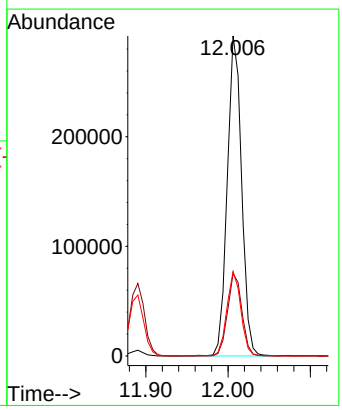


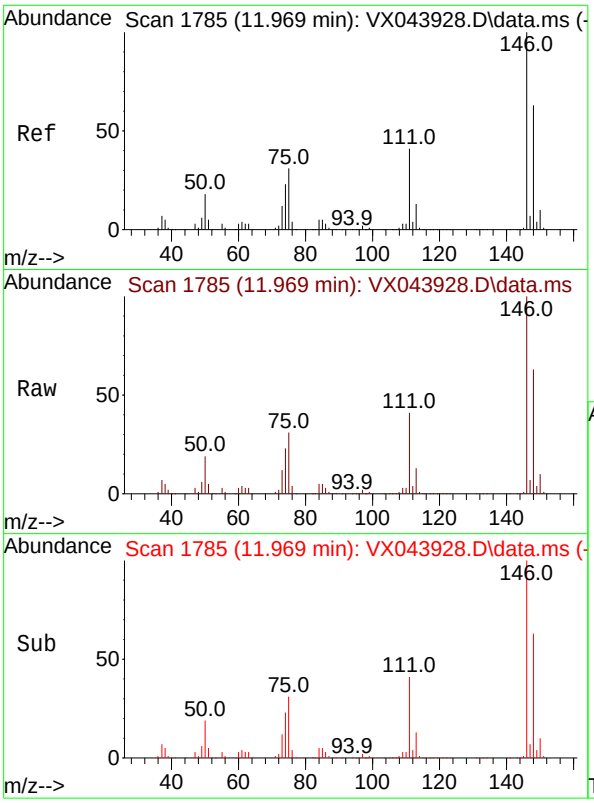




#86
p-Isopropyltoluene
Concen: 56.448 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 13.0 | 38.9 |
| 91 | 25.9 | 13.0 | 38.9 |



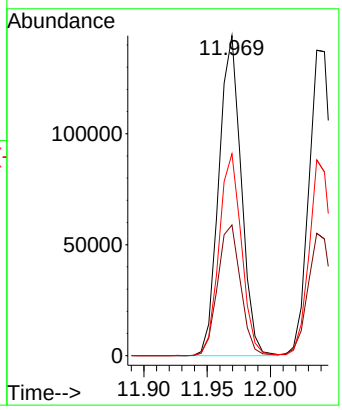


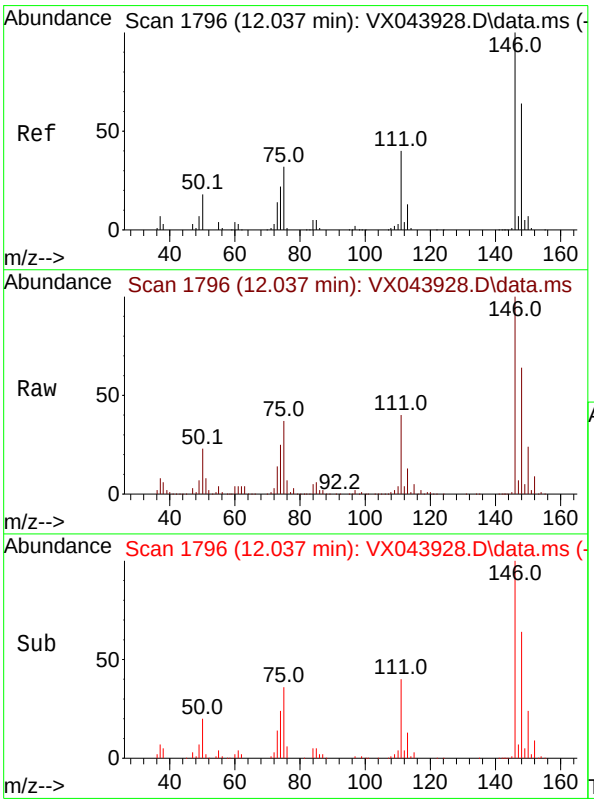

#87
1,3-Dichlorobenzene
Concen: 52.812 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 176936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.1 | 63.3 |
| 148 | 63.4 | 31.7 | 95.1 |

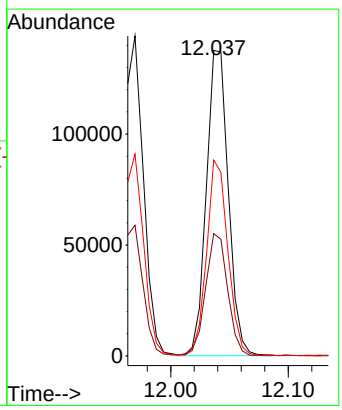


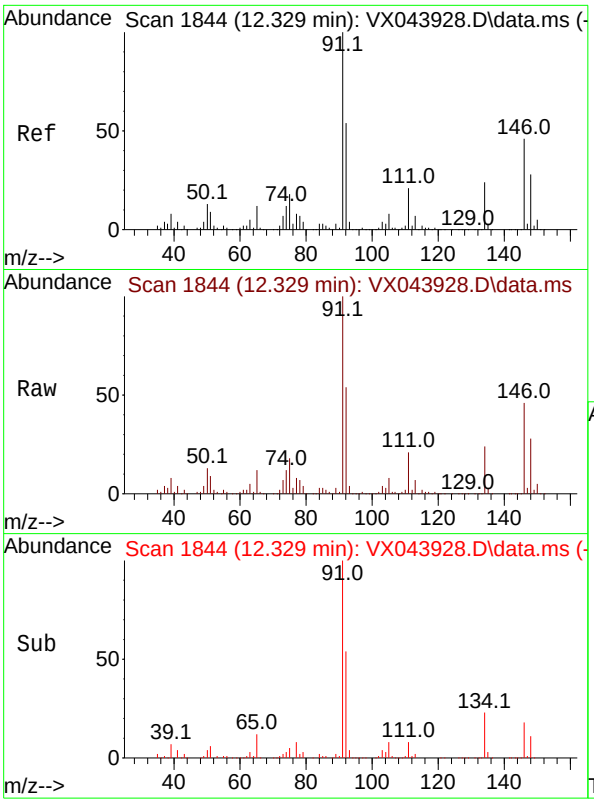




#88
1,4-Dichlorobenzene
Concen: 52.530 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:146 Resp: 178728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.2 | 20.1 | 60.3 |
| 148 | 61.9 | 30.9 | 92.8 |



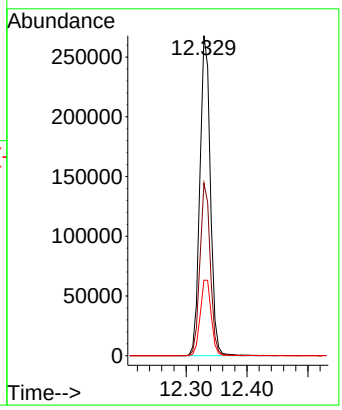


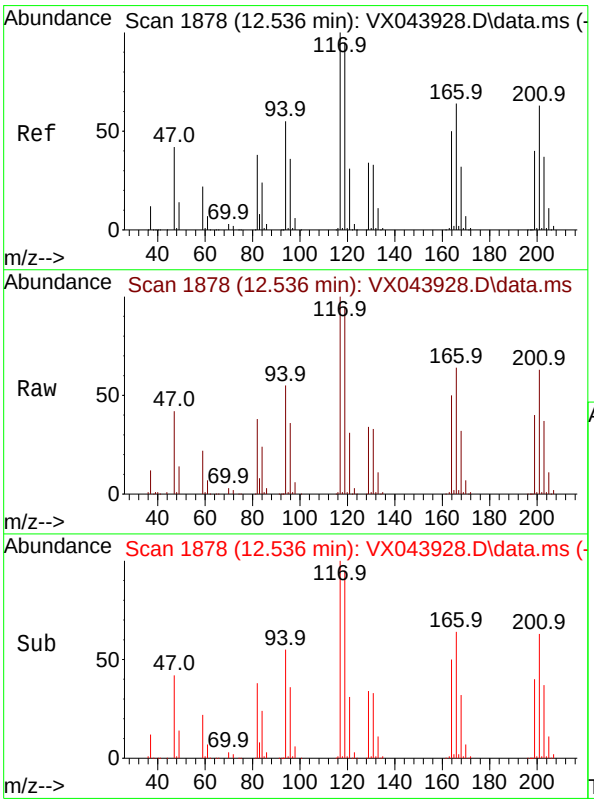

#89
n-Butylbenzene
Concen: 57.897 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 319448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.2 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |

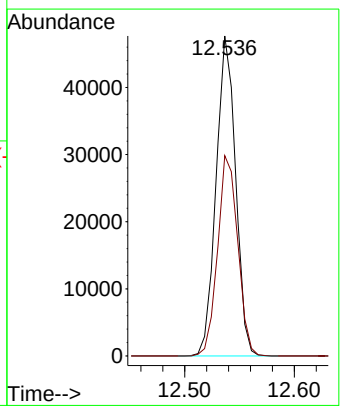


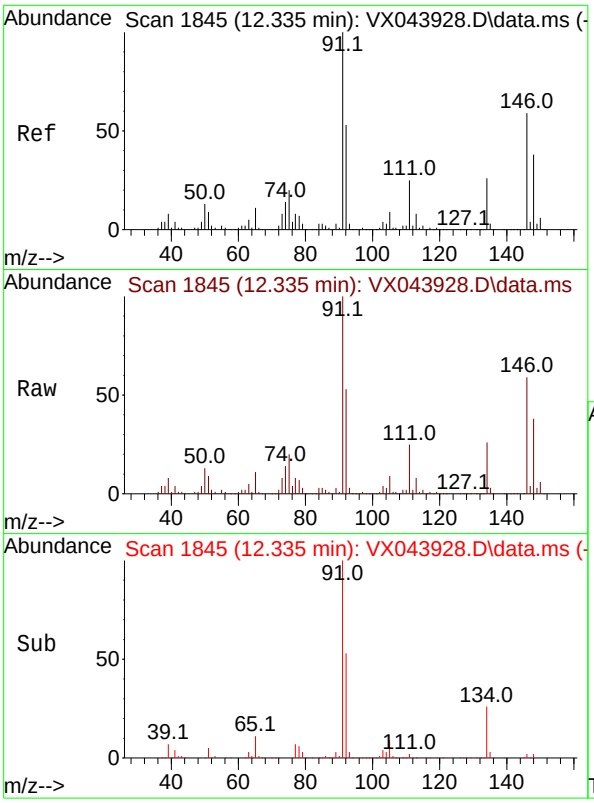




#90
Hexachloroethane
Concen: 55.453 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:117 Resp: 59010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.7 | 32.4 | 97.0 |



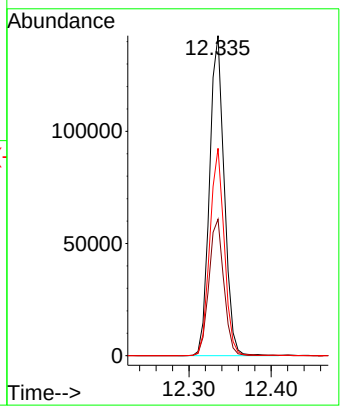


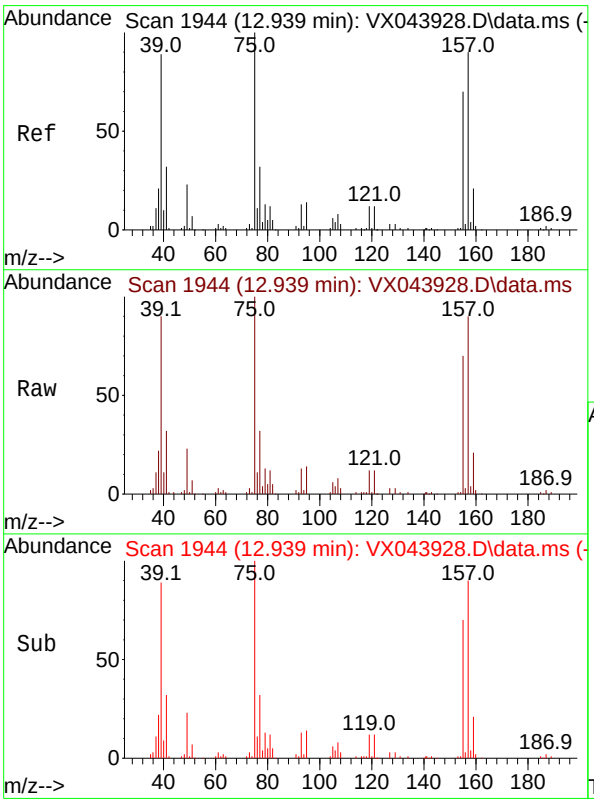

#91
1,2-Dichlorobenzene
Concen: 52.449 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 177334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.5 | 64.5 |
| 148 | 63.7 | 31.9 | 95.5 |

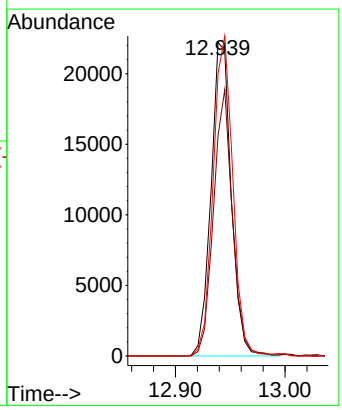


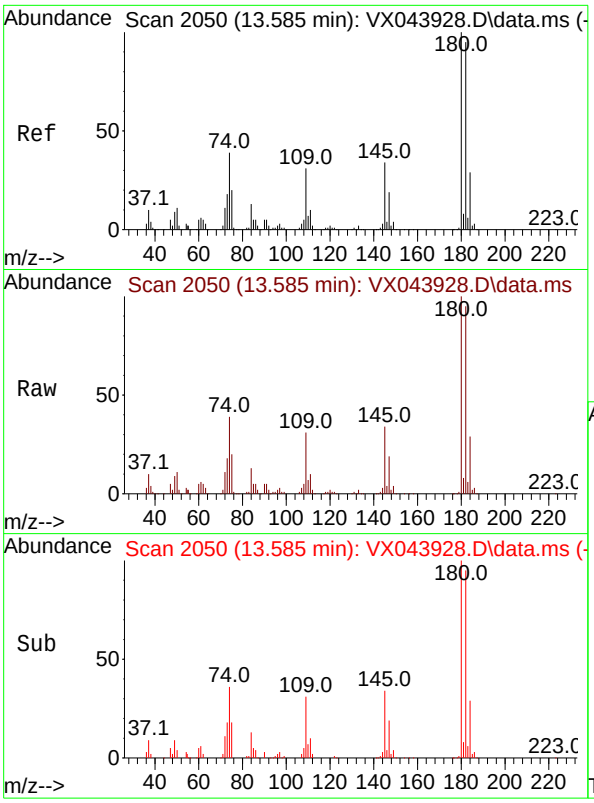




#92
1,2-Dibromo-3-Chloropropane
Concen: 53.806 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.1 | 40.1 | 120.2 |
| 157 | 99.3 | 49.6 | 149.0 |



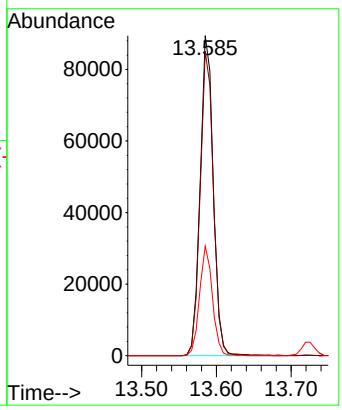


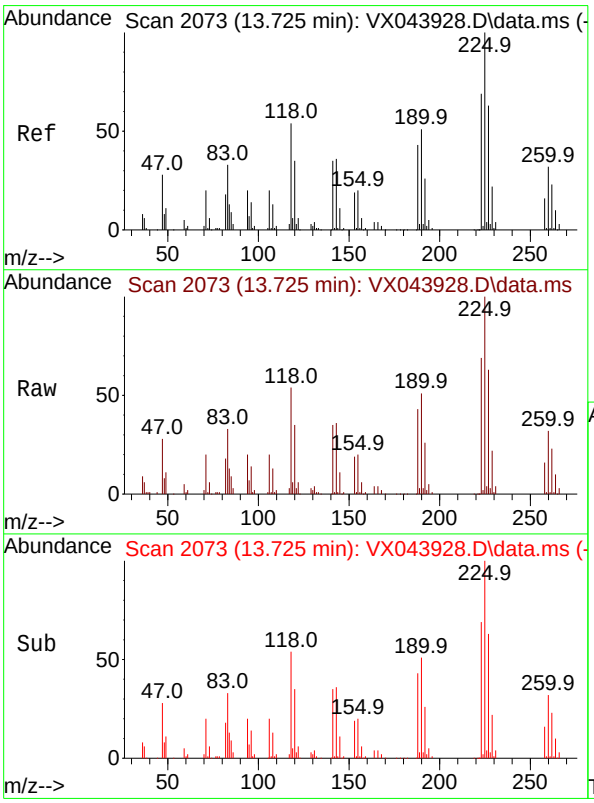

#93
1,2,4-Trichlorobenzene
Concen: 54.556 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 108749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.1 | 48.0 | 144.2 |
| 145 | 33.6 | 16.8 | 50.4 |

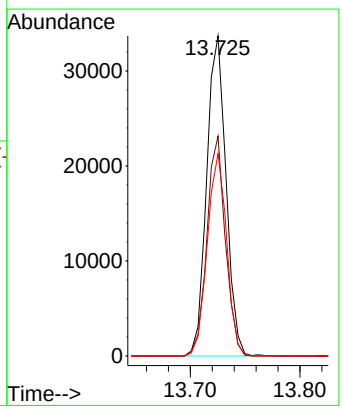


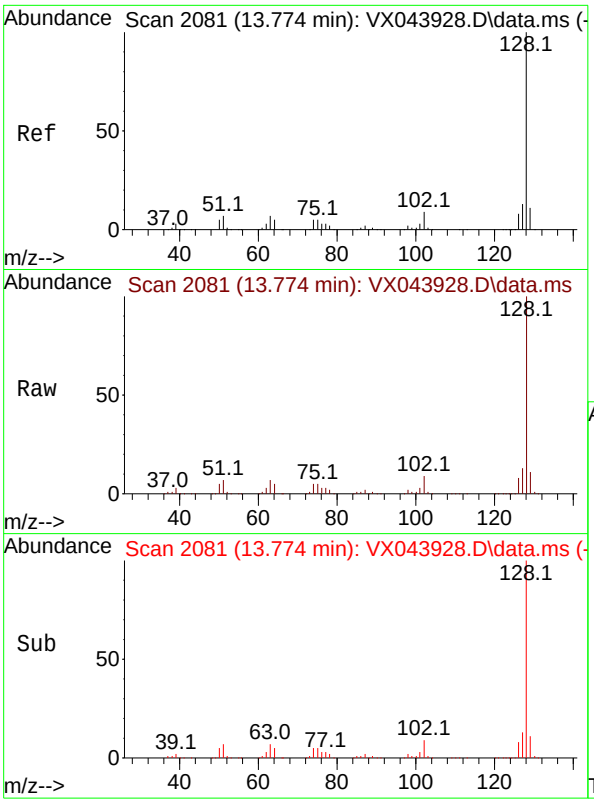




#94
Hexachlorobutadiene
Concen: 52.382 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:225 Resp: 41267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.7 | 32.9 | 98.6 |
| 227 | 63.2 | 31.6 | 94.8 |



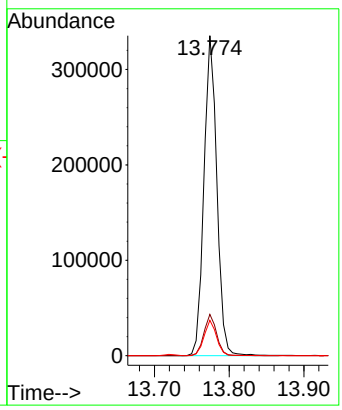


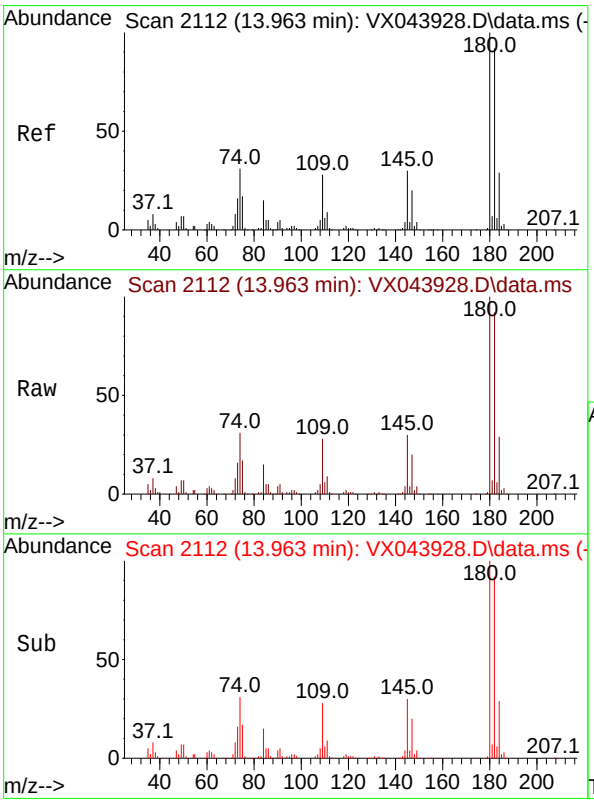

#95
Naphthalene
Concen: 55.990 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 401752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.7 | 8.6 | 12.8 |

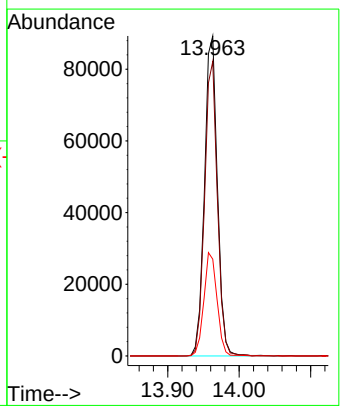



#96
1,2,3-Trichlorobenzene
Concen: 55.593 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX043928.D
Acq: 21 Nov 2024 11:17

Tgt Ion:180 Resp: 112162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 45.6 | 136.8 |
| 145 | 32.9 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 138314 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 246419 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 215595 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104048 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 236531 | 99.704 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 199.400%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 176869 | 100.449 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 200.900%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 607337 | 100.062 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 200.120%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 215953 | 104.545 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 209.080%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 166145 | 94.820 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 183899 | 99.735 | ug/l | 100 |
| 4) Vinyl Chloride | 1.374 | 62 | 192221 | 98.011 | ug/l | 98 |
| 5) Bromomethane | 1.593 | 94 | 118792 | 98.459 | ug/l | 98 |
| 6) Chloroethane | 1.660 | 64 | 101816 | 85.198 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 354375 | 101.066 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 125840 | 98.466 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 162988 | 97.448 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 213858 | 102.378 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.002 | 59 | 184757 | 485.208 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 158111 | 99.205 | ug/l | 97 |
| 13) Acrolein | 2.240 | 56 | 200929 | 500.625 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 276068 | 106.008 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 458624 | 494.243 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 511112 | 469.087 | ug/l | 99 |
| 17) Carbon Disulfide | 2.502 | 76 | 367958 | 111.925 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 247225 | 97.433 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 597600 | 103.267 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 178008 | 96.271 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 165989 | 100.875 | ug/l | 93 |
| 22) Diisopropyl ether | 3.764 | 45 | 572855 | 102.872 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 2570419 | 539.590 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 327756 | 102.025 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 690992 | 491.491 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 299254 | 103.146 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 206207 | 101.381 | ug/l | 99 |
| 28) Bromochloromethane | 4.898 | 49 | 138227 | 97.752 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 419743 | 486.991 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 350923 | 101.565 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 256114 | 96.865 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 309469 | 103.862 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 222573 | 101.439 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 265631 | 97.527 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 256290 | 103.953 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 283075 | 99.308 | ug/l | 97 |
| 40) Benzene | 6.032 | 78 | 684139 | 100.099 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 143256 | 102.765 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 271641 | 98.961 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 440615 | 101.652 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 169796 | 87.759 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 170741 | 101.998 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 135928 | 102.651 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 260442 | 109.665 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 210614 | 101.262 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 62845 | 1752.518 | ug/l | | 87 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1329064 | 502.451 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 418999 | 102.426 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 270418 | 111.660 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 285627 | 107.584 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 167357 | 99.107 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 286893 | 109.076 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 285511 | 100.370 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 698756 | 489.972 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 1011261 | 508.639 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 187476 | 110.653 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 176345 | 103.278 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 135740 | 95.484 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 461076 | 97.374 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 164586 | 107.177 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 812289 | 101.238 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 603451 | 201.677 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 298739 | 102.257 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 511251 | 105.807 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 123114 | 98.888 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 765623 | 95.726 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 394438 | 106.458 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 262302 | 95.779 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 297947 | 132.787 | ug/l | | 82 |
| 77) Bromobenzene | 11.195 | 156 | 183742 | 96.304 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 891893 | 99.846 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 537190 | 95.103 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 648916 | 98.618 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 88041 | 105.289 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 629590 | 98.728 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 655918 | 100.570 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 650156 | 99.244 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 793233 | 99.267 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 669819 | 103.194 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 337665 | 97.171 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 343312 | 97.283 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 605284 | 105.767 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 120913 | 109.549 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 341767 | 97.457 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 57287 | 104.396 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 210571 | 101.849 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 79822 | 97.688 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 776740 | 104.367 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 211814 | 101.219 | ug/l | | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

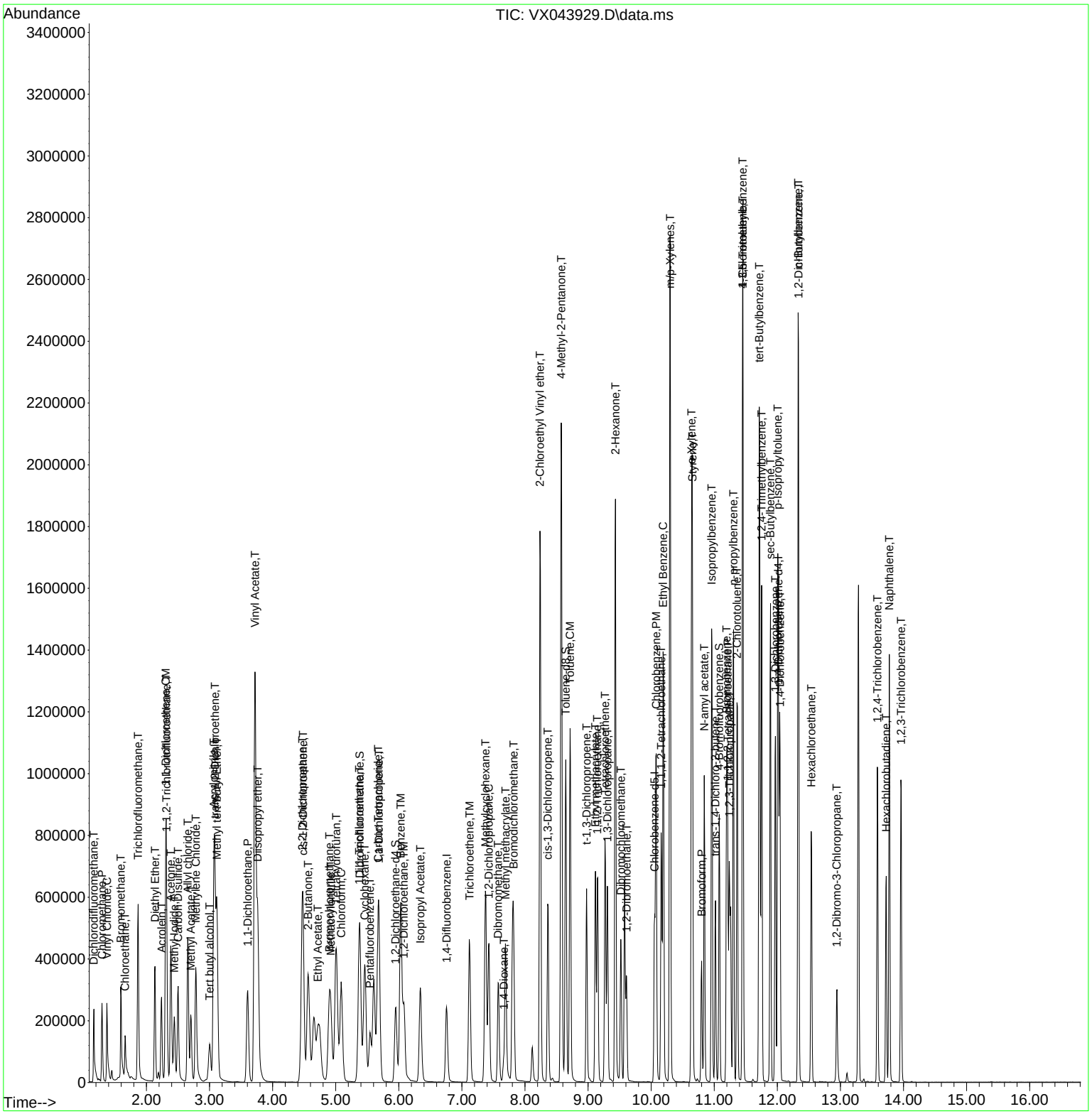
(#) = qualifier out of range (m) = manual integration (+) = signals summed

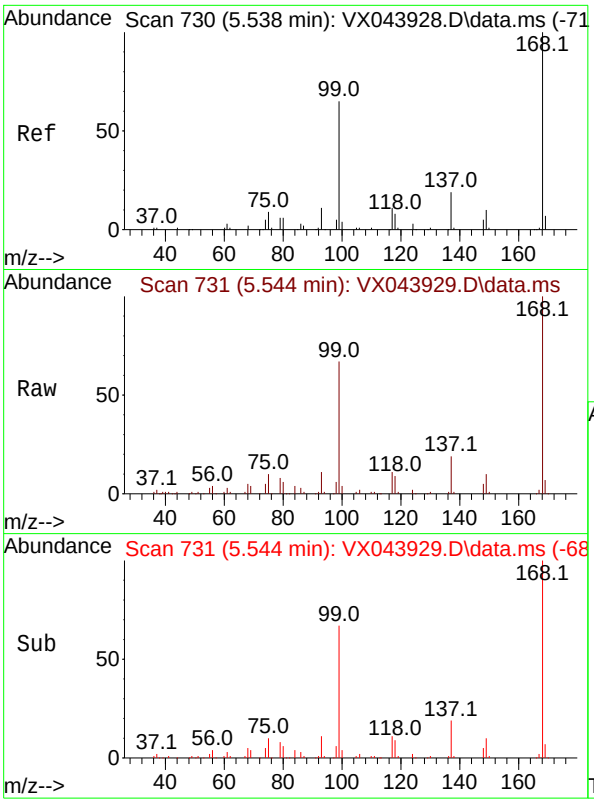
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043929.D
Acq On : 21 Nov 2024 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Nov 22 03:31:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



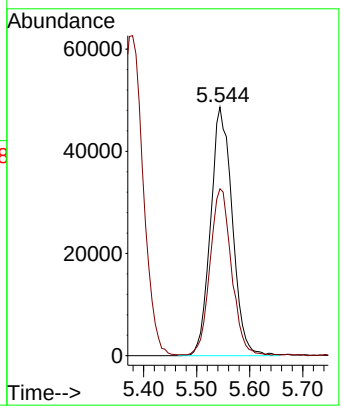


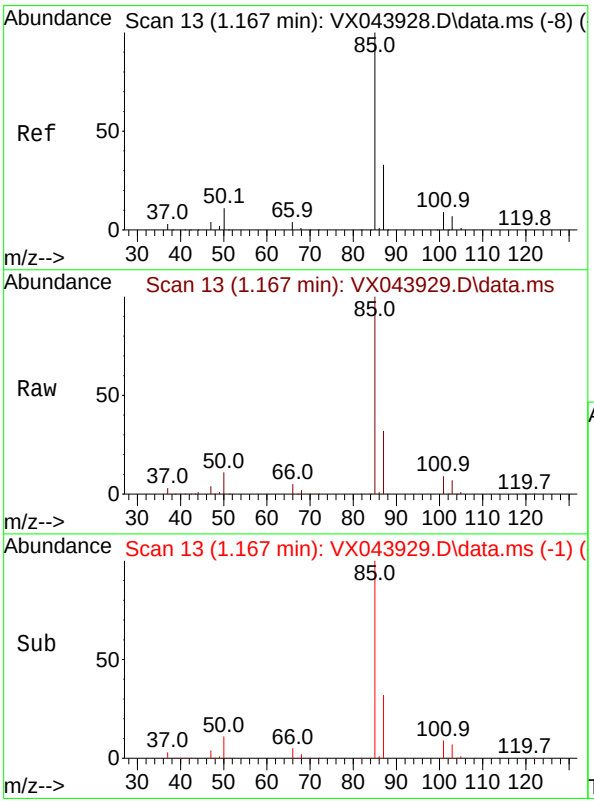

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 138314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.7 | 51.8 | 77.8 |

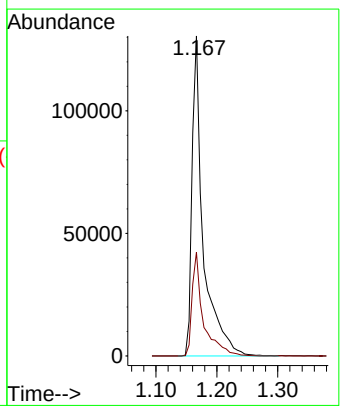


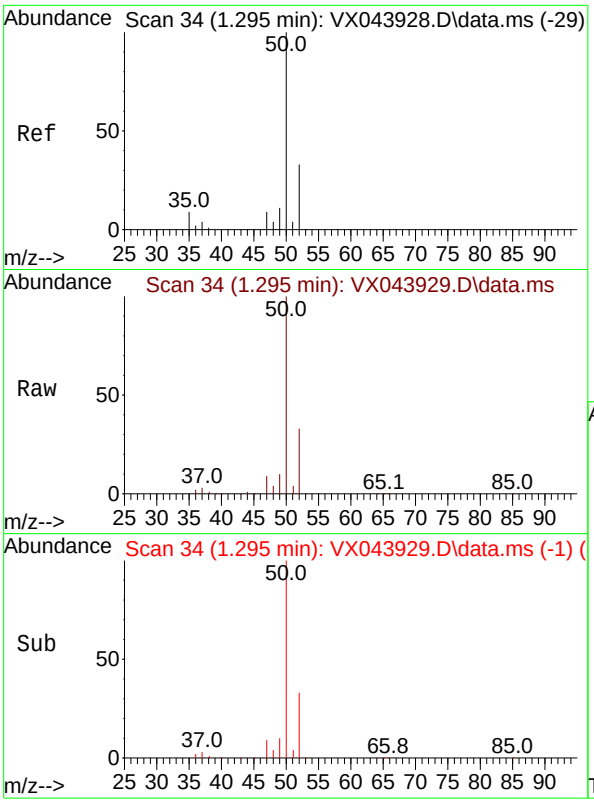




#2
Dichlorodifluoromethane
Concen: 94.820 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 16.6 | 49.8 |



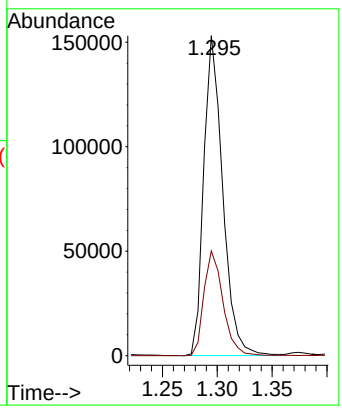


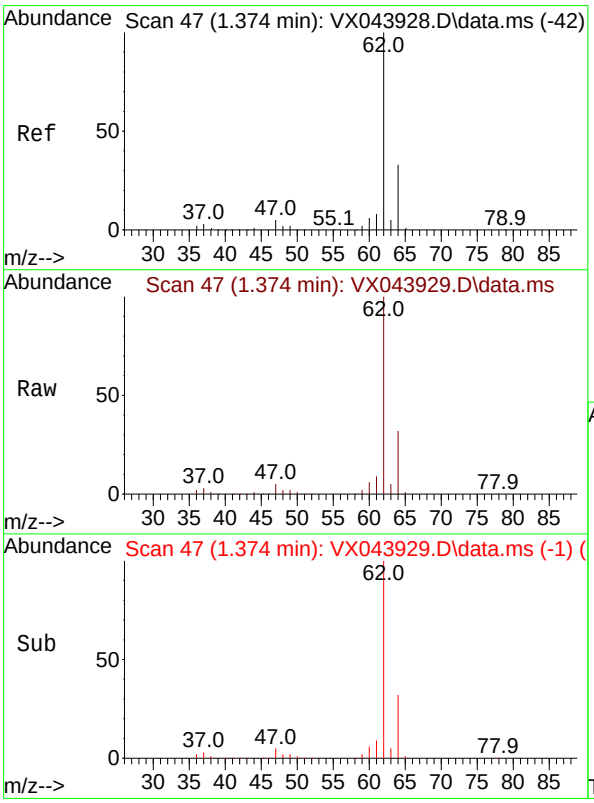

#3
Chloromethane
Concen: 99.735 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 183899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.8 | 26.1 | 39.1 |

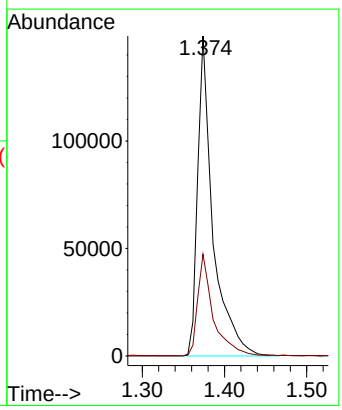


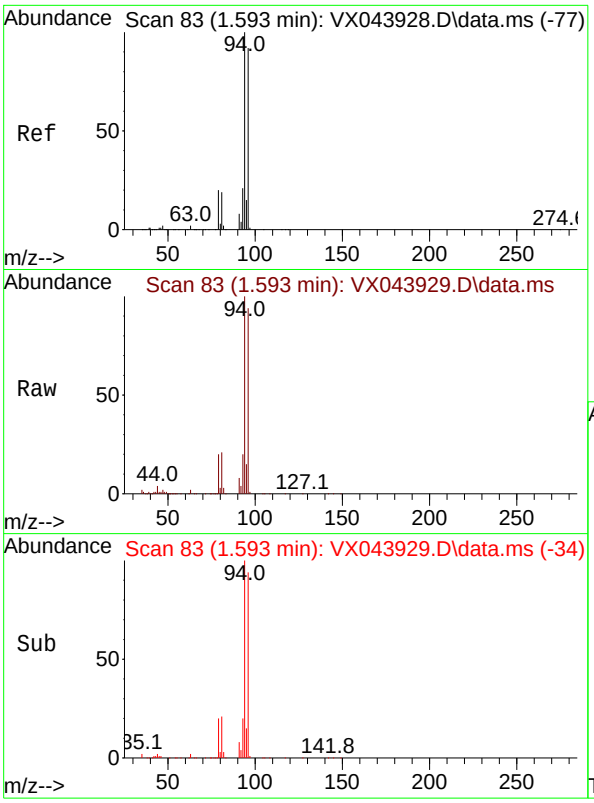




#4
Vinyl Chloride
Concen: 98.011 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.2 | 39.4 |



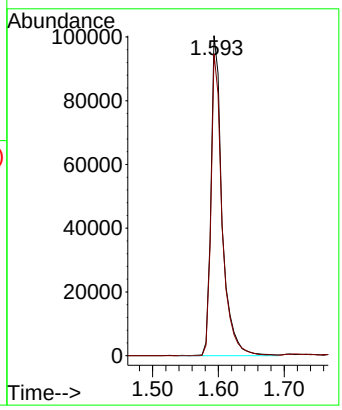


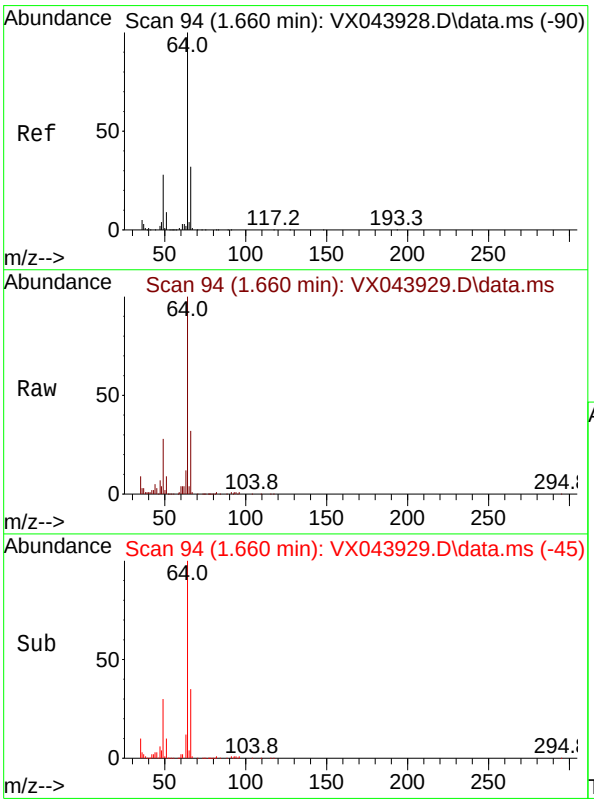

#5
Bromomethane
Concen: 98.459 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 118792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 73.9 | 110.9 |

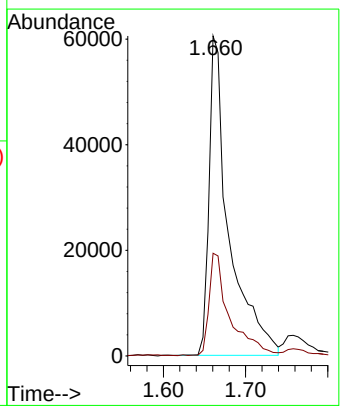


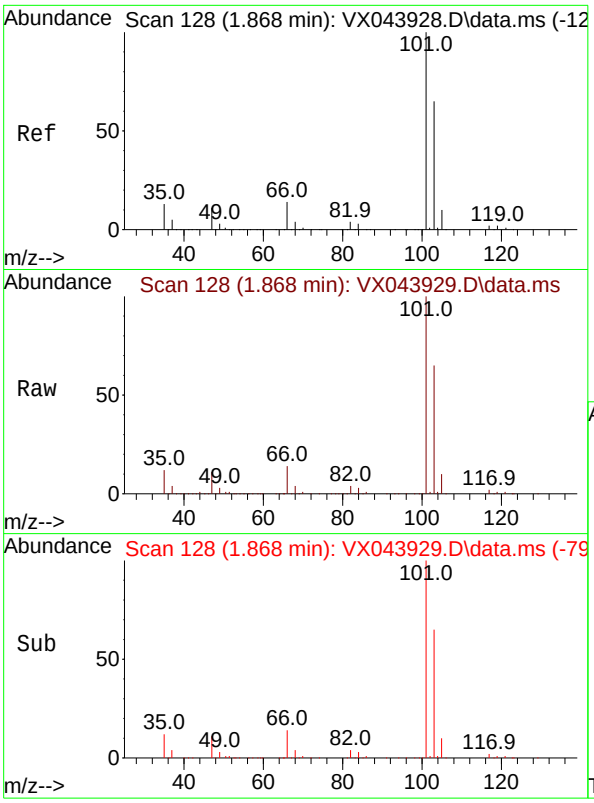




#6
Chloroethane
Concen: 85.198 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 64 Resp: 101816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 25.9 | 38.9 |



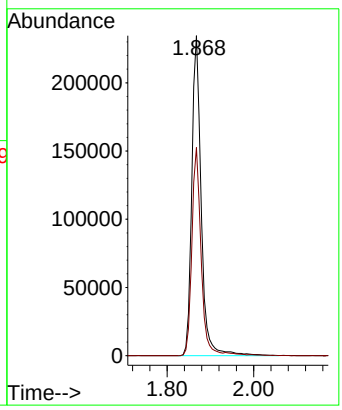


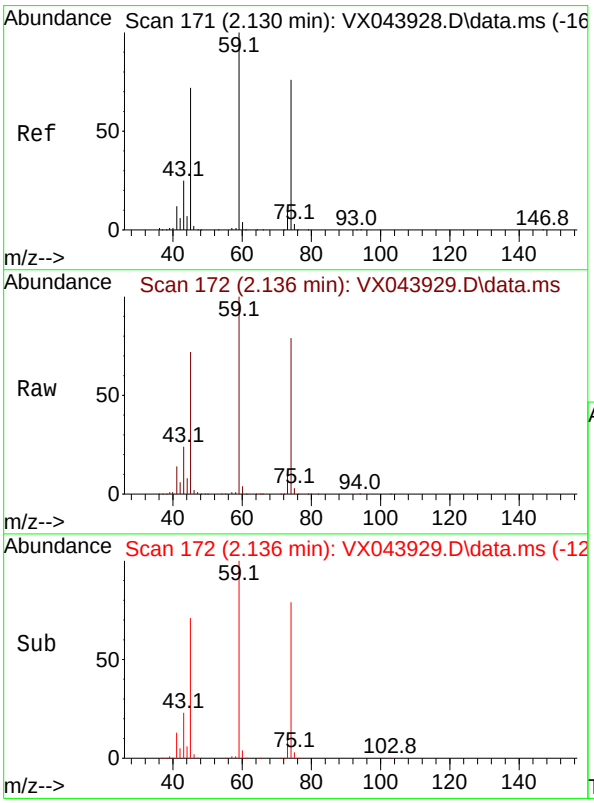

#7
Trichlorofluoromethane
Concen: 101.066 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 354375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 52.2 | 78.2 |

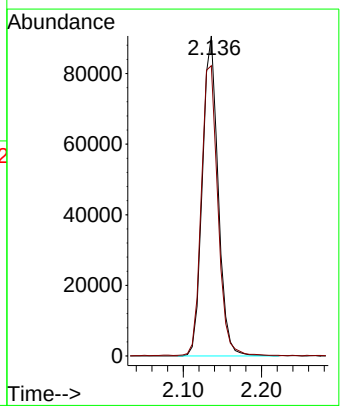


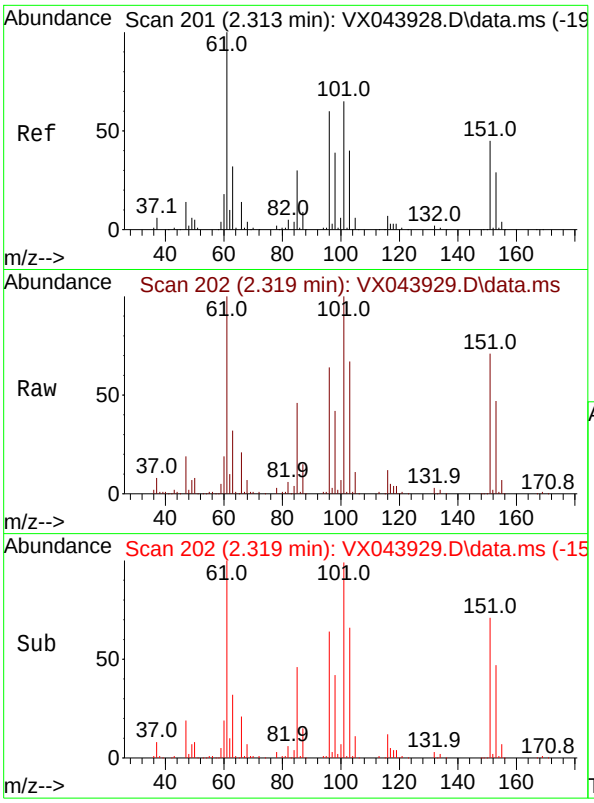




#8
Diethyl Ether
Concen: 98.466 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.5 | 47.9 | 143.6 |



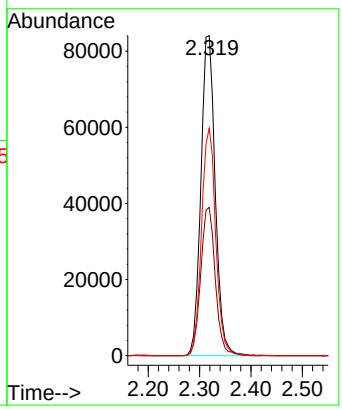


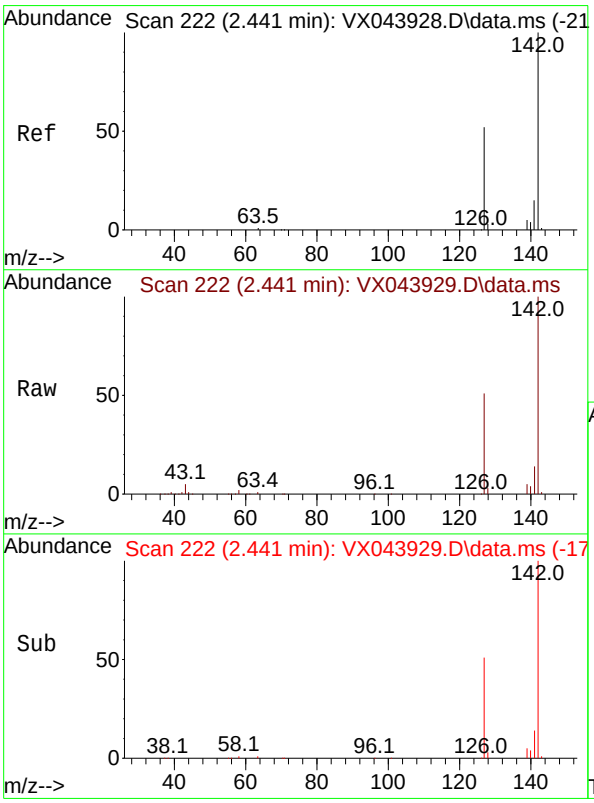

#9
1,1,2-Trichlorotrifluoroethane
Concen: 97.448 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 162988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 37.9 | 56.9 |
| 151 | 70.5 | 57.5 | 86.3 |

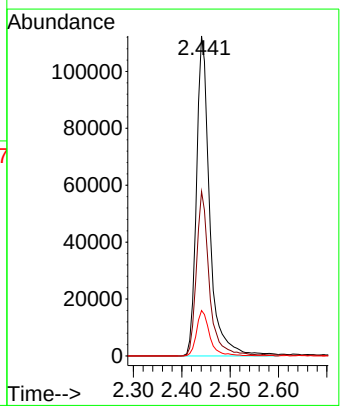


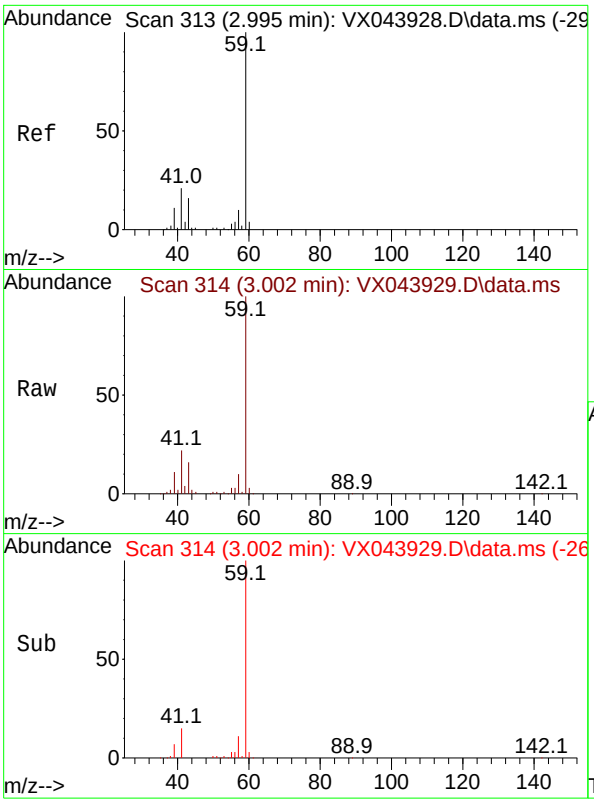




#10
Methyl Iodide
Concen: 102.378 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.0 | 40.7 | 61.1 |
| 141 | 14.1 | 12.0 | 18.0 |



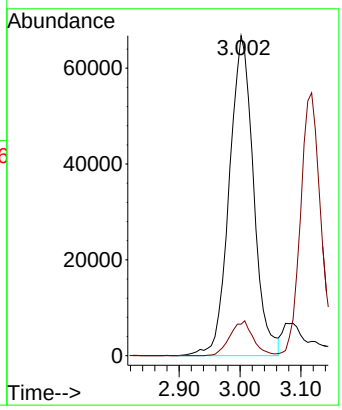


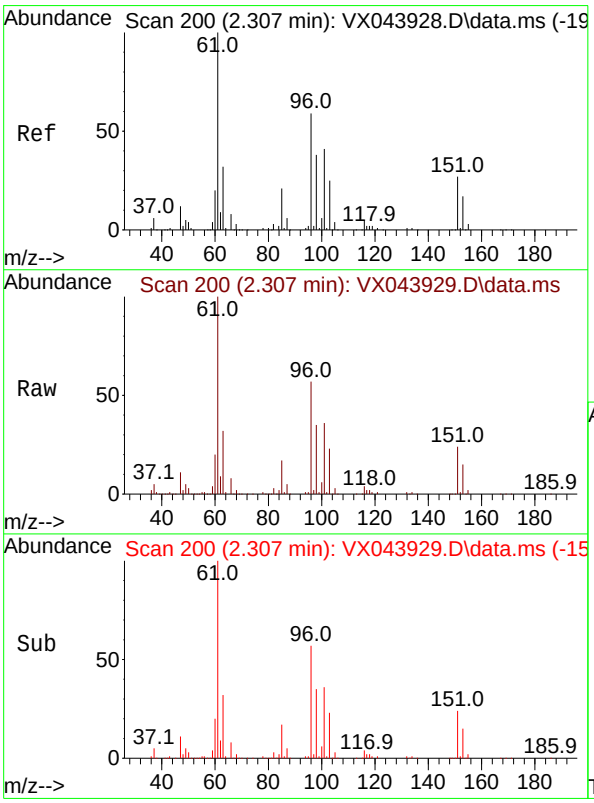

#11
Tert butyl alcohol
Concen: 485.208 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 184757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 7.9 | 11.9 |

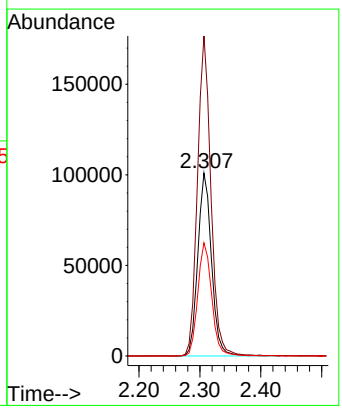


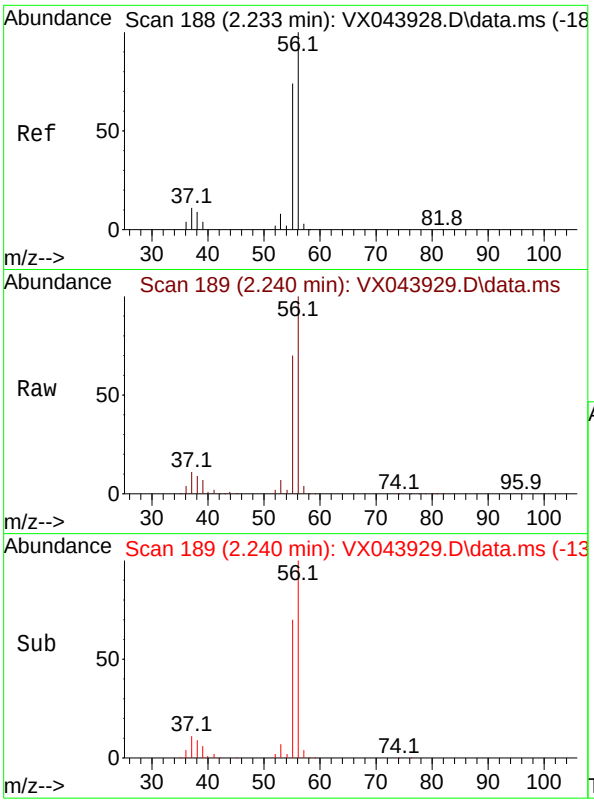




#12
1,1-Dichloroethene
Concen: 99.205 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 96 Resp: 158111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 174.9 | 135.5 | 203.3 |
| 98 | 61.9 | 50.8 | 76.2 |



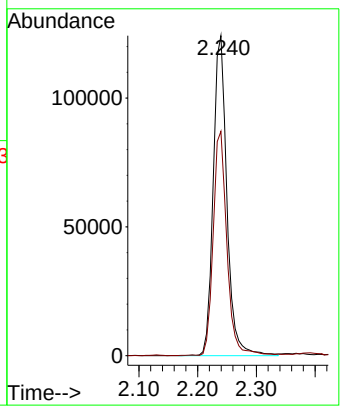


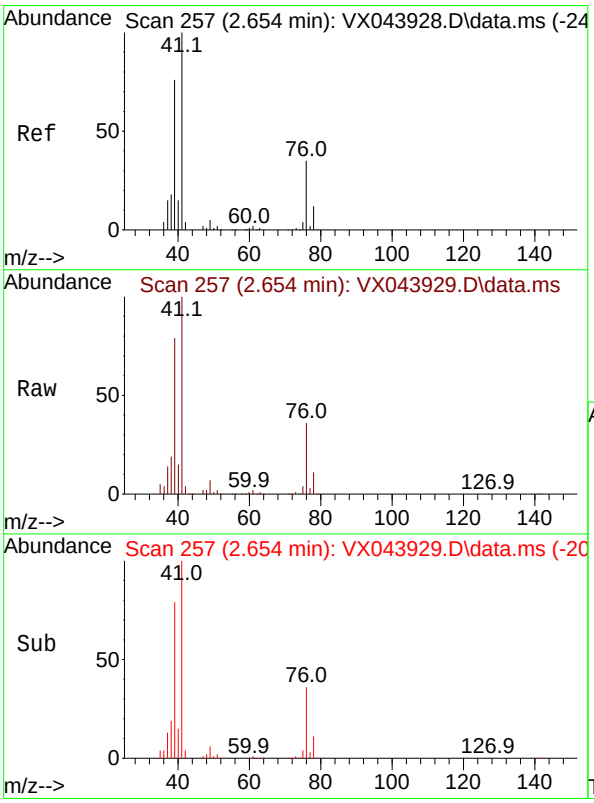

#13
Acrolein
Concen: 500.625 ug/l
RT: 2.240 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 200929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 58.2 | 87.2 |

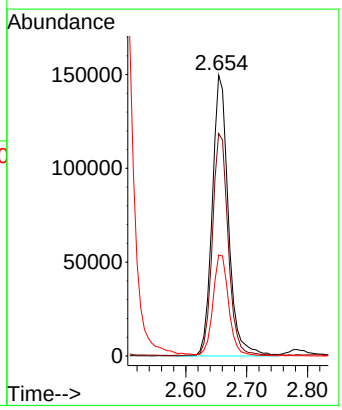


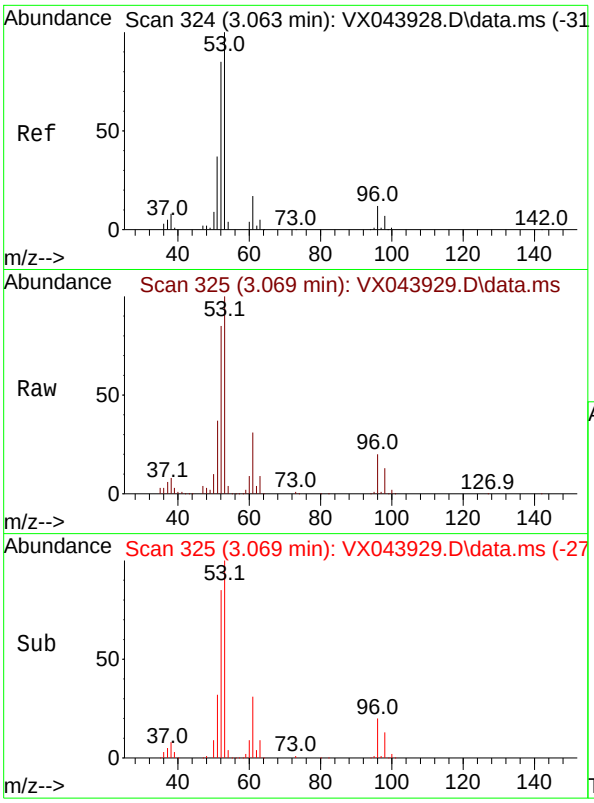




#14
Allyl chloride
Concen: 106.008 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 276068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.5 | 59.5 | 89.3 |
| 76 | 34.8 | 27.4 | 41.2 |



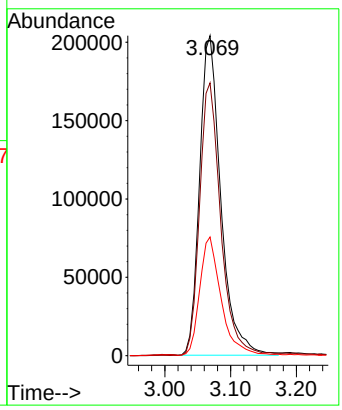


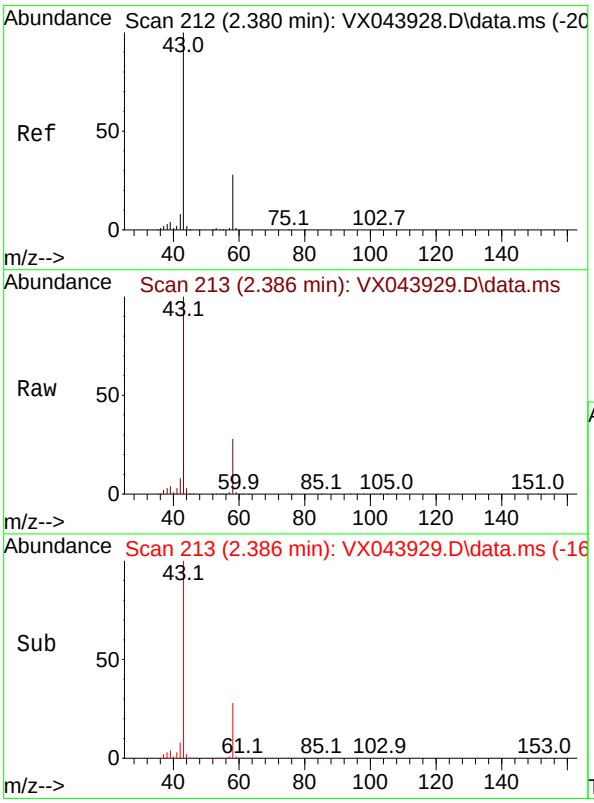

#15
Acrylonitrile
Concen: 494.243 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 458624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.0 | 66.5 | 99.7 |
| 51 | 37.0 | 30.2 | 45.4 |

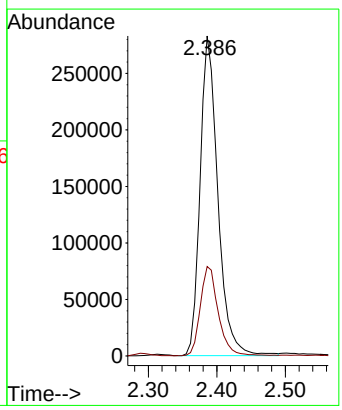


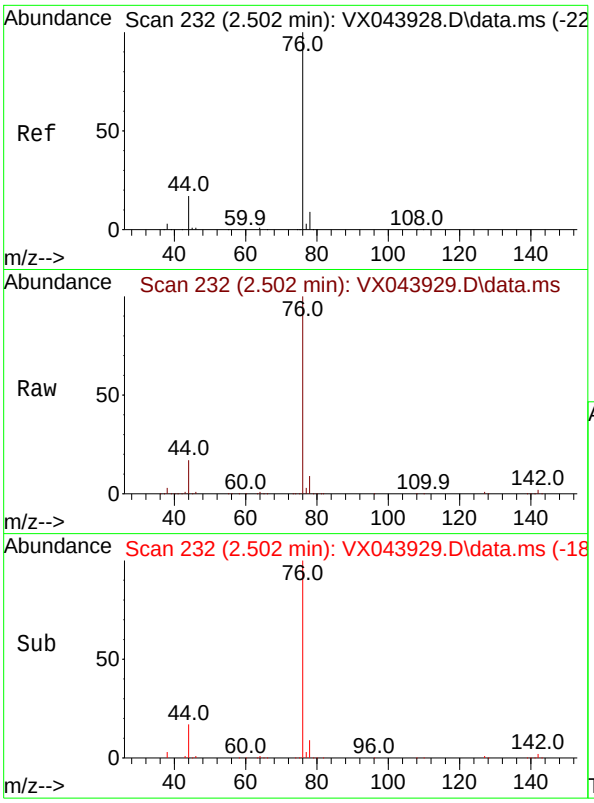




#16
Acetone
Concen: 469.087 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 22.7 | 34.1 |



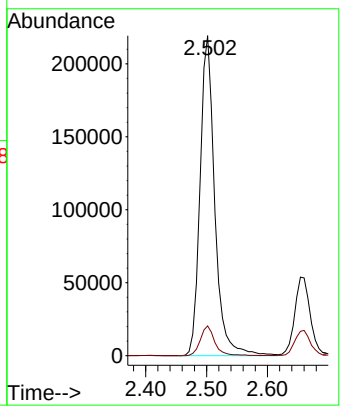


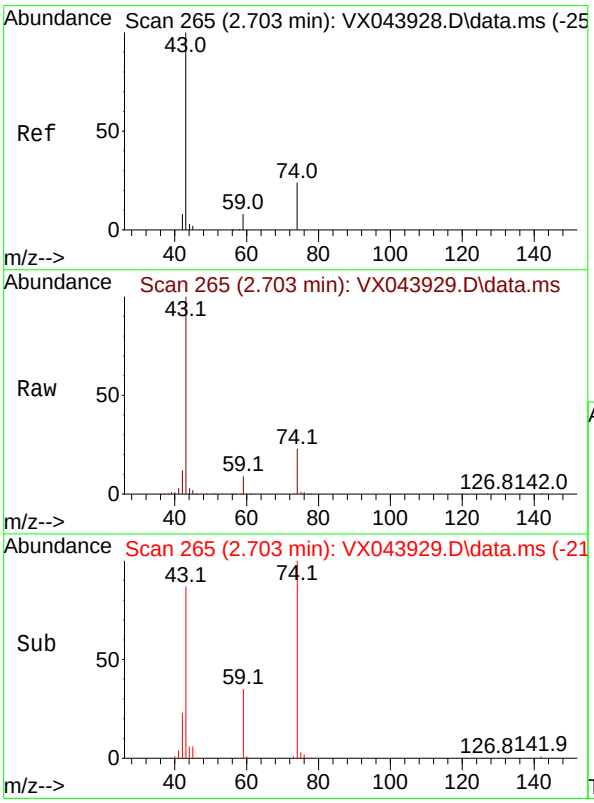

#17
Carbon Disulfide
Concen: 111.925 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 367958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.3 | 7.0 | 10.6 |

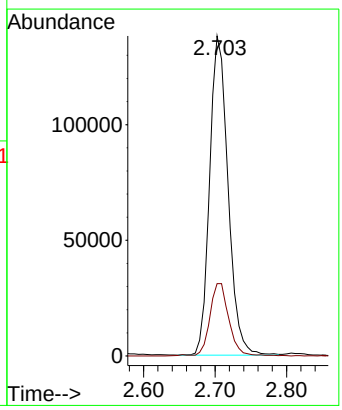


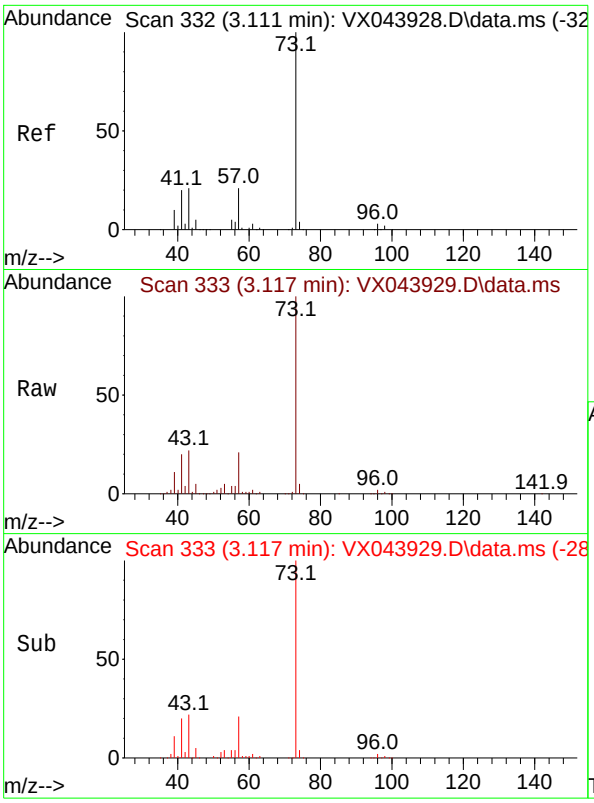




#18
Methyl Acetate
Concen: 97.433 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.3 | 18.9 | 28.3 |



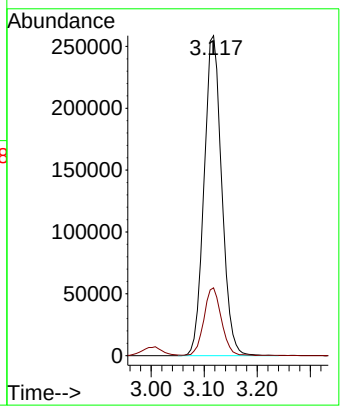


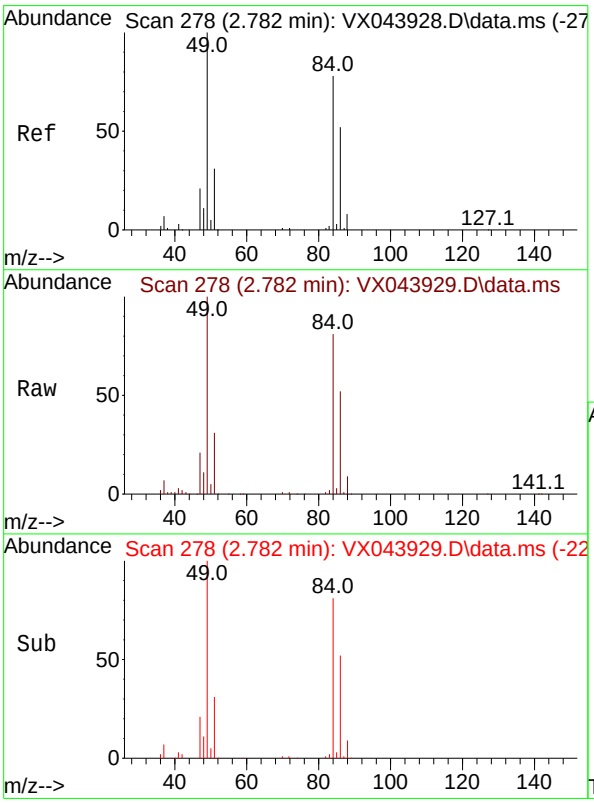

#19
Methyl tert-butyl Ether
Concen: 103.267 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 597600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.1 | 17.0 | 25.6 |

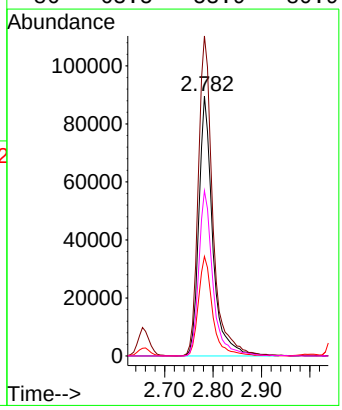


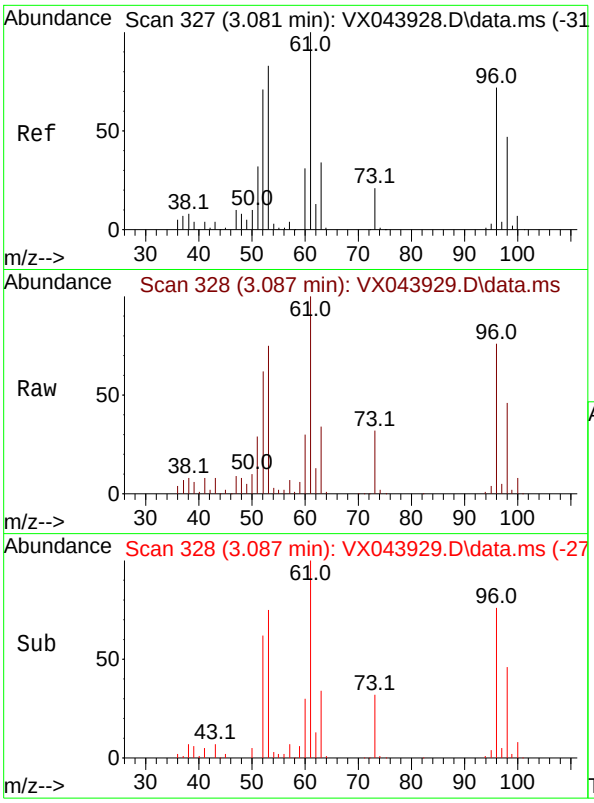




#20
Methylene Chloride
Concen: 96.271 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.1 | 102.7 | 154.1 |
| 51 | 38.3 | 31.7 | 47.5 |
| 86 | 63.5 | 53.9 | 80.9 |



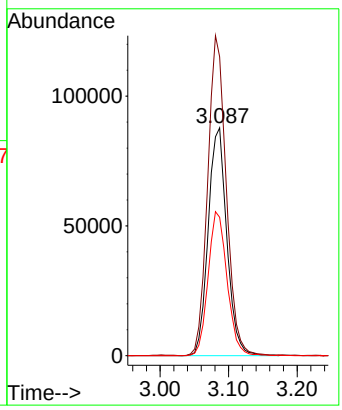


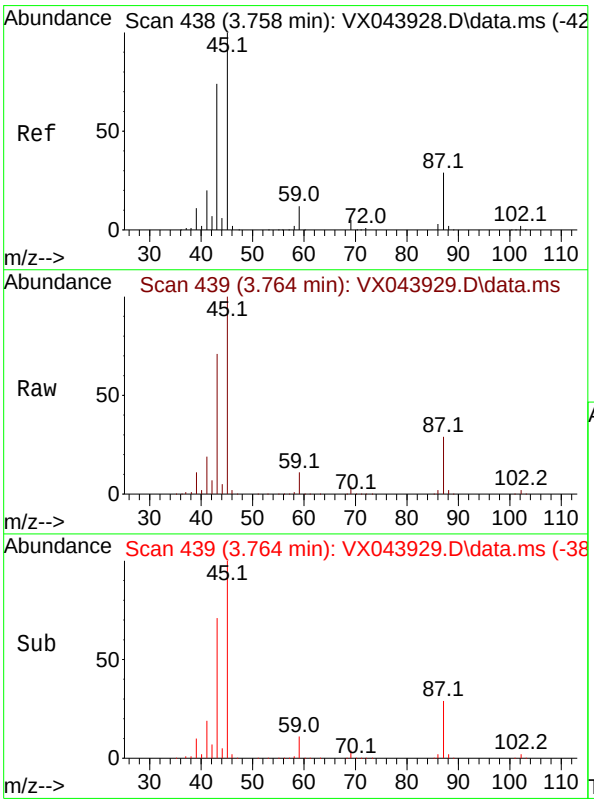

#21
trans-1,2-Dichloroethene
Concen: 100.875 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 165989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 131.1 | 111.8 | 167.6 |
| 98 | 60.7 | 52.7 | 79.1 |

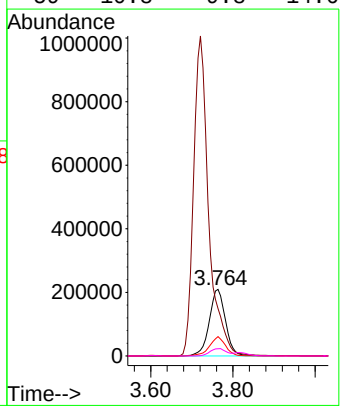


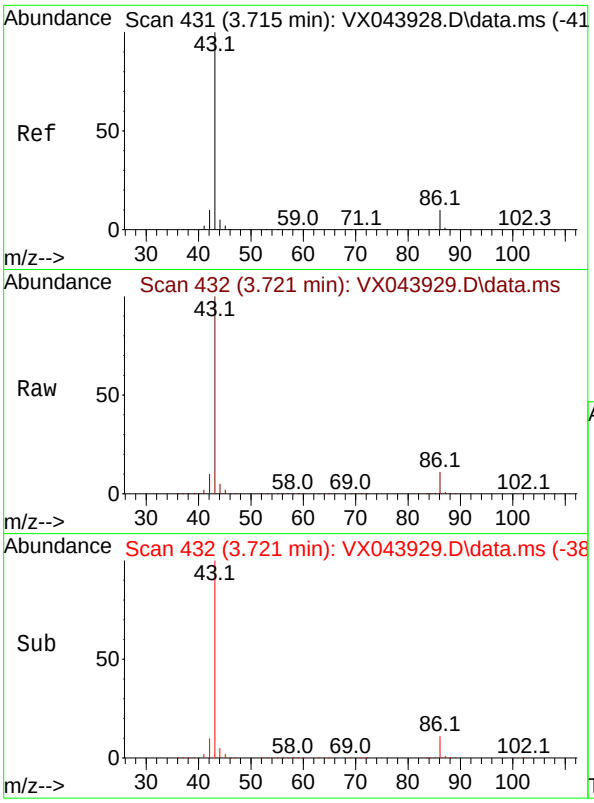




#22
Diisopropyl ether
Concen: 102.872 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 71.1 | 59.6 | 89.4 |
| 87 | 29.1 | 22.9 | 34.3 |
| 59 | 10.8 | 9.8 | 14.6 |



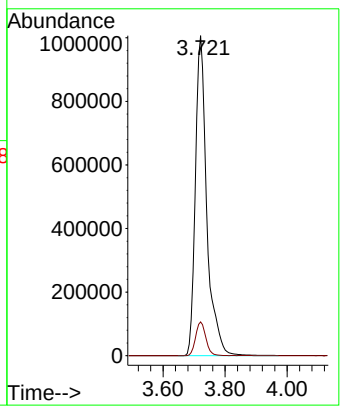


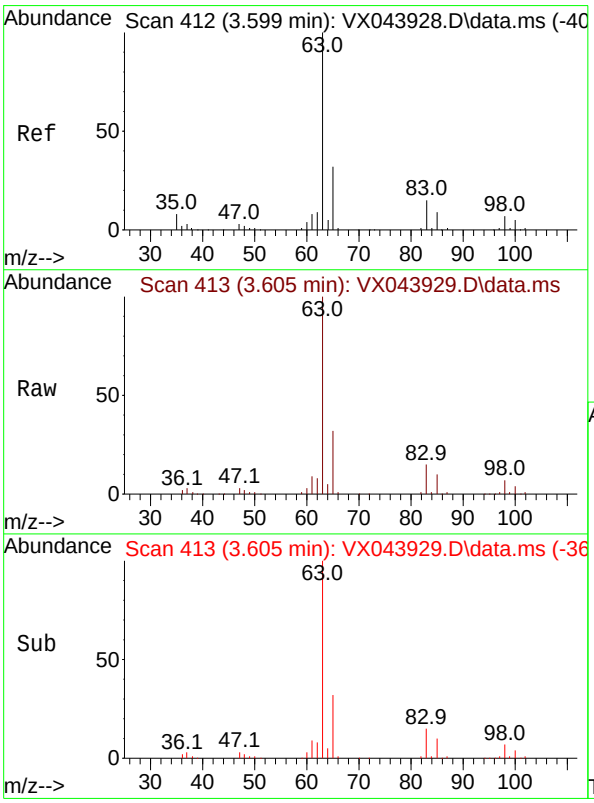

#23
Vinyl Acetate
Concen: 539.590 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 2570419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 8.3 | 12.5 |

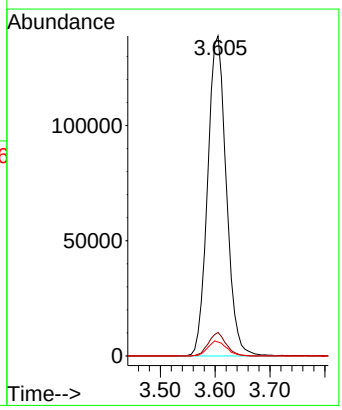


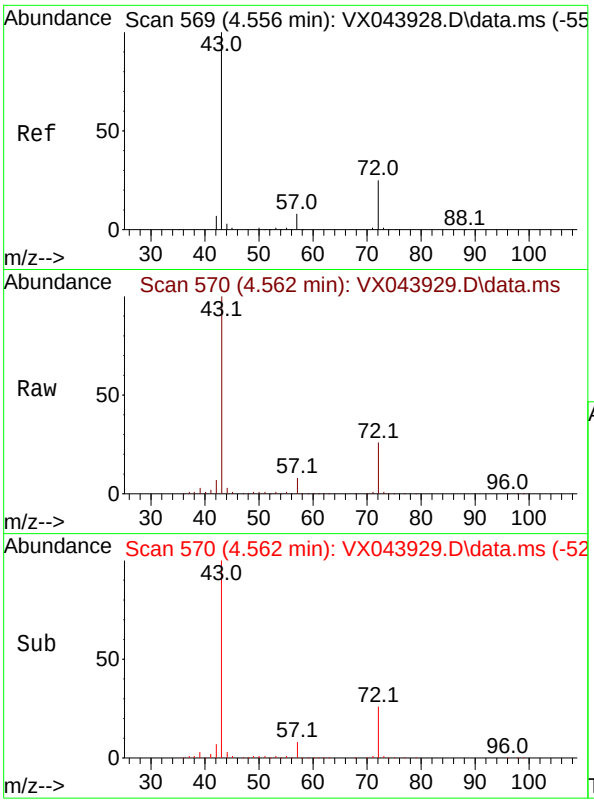




#24
1,1-Dichloroethane
Concen: 102.025 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.5 | 10.6 |
| 100 | 4.3 | 2.4 | 7.1 |



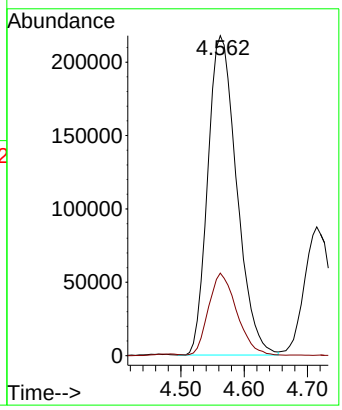


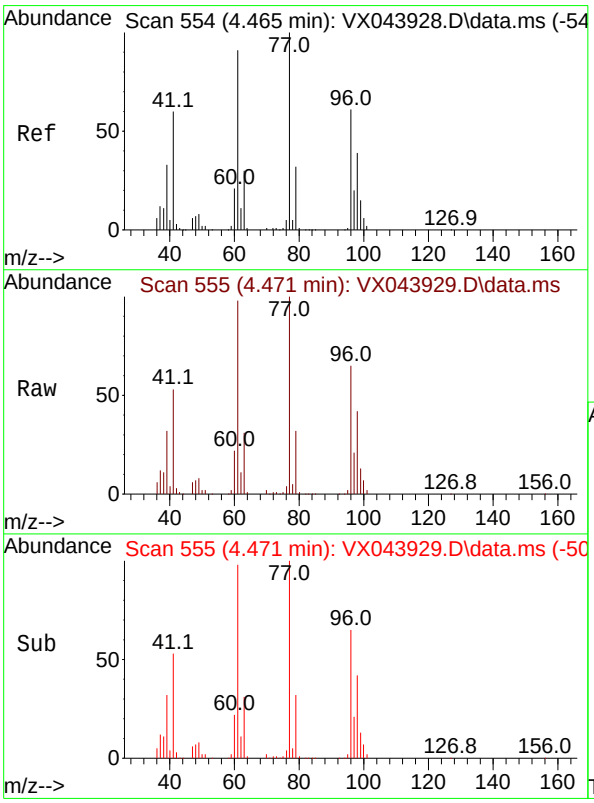

#25
2-Butanone
Concen: 491.491 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 690992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.6 | 20.2 | 30.2 |

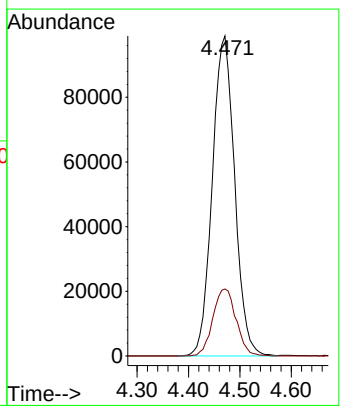


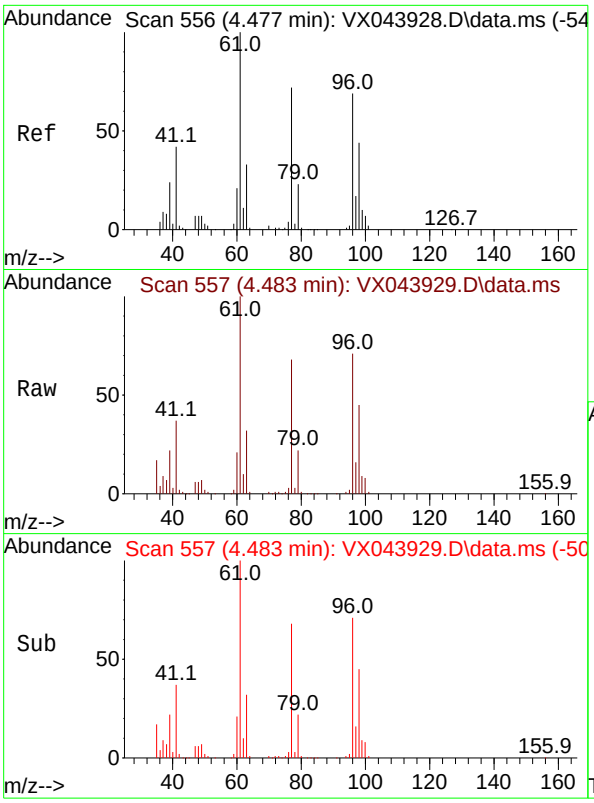




#26
2,2-Dichloropropane
Concen: 103.146 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 77 Resp: 299254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.8 | 32.3 |



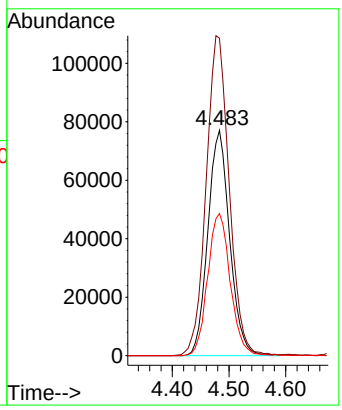


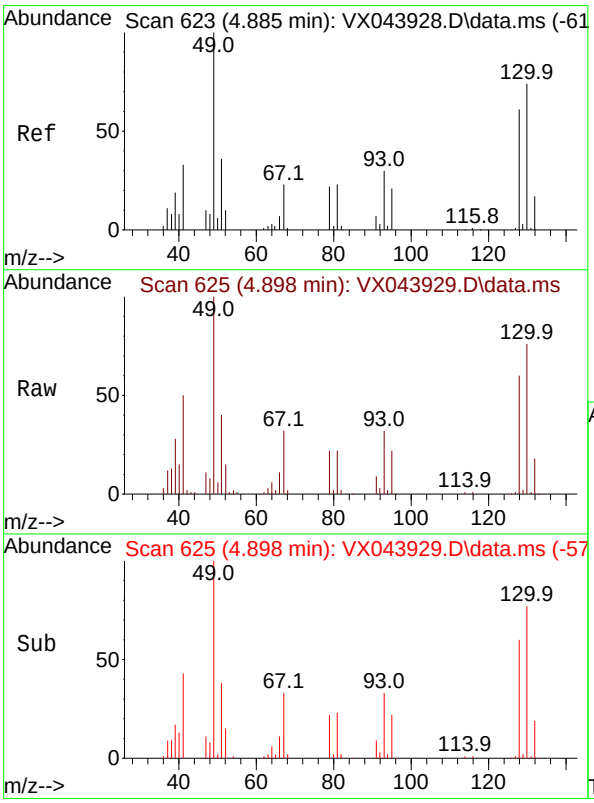

#27
cis-1,2-Dichloroethene
Concen: 101.381 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 206207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 150.0 | 0.0 | 297.4 |
| 98 | 65.1 | 0.0 | 127.8 |

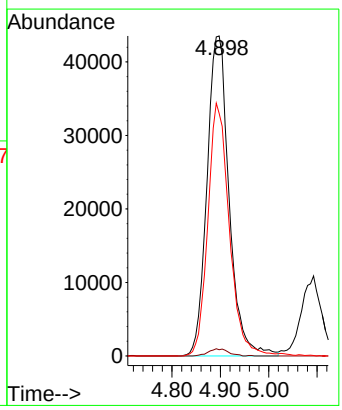


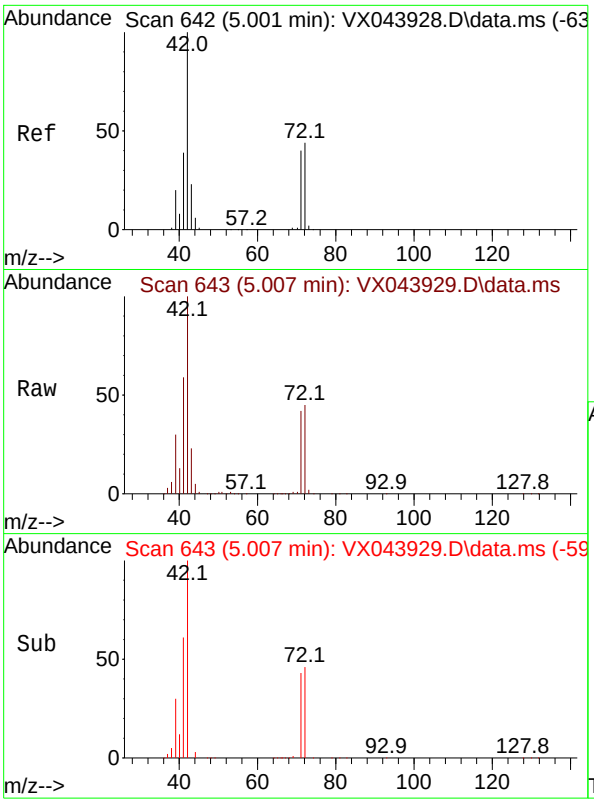




#28
Bromochloromethane
Concen: 97.752 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 49 Resp: 138227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 76.5 | 59.0 | 88.6 |



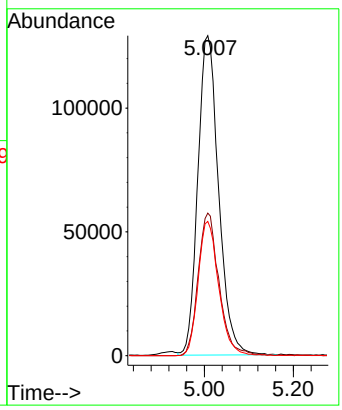


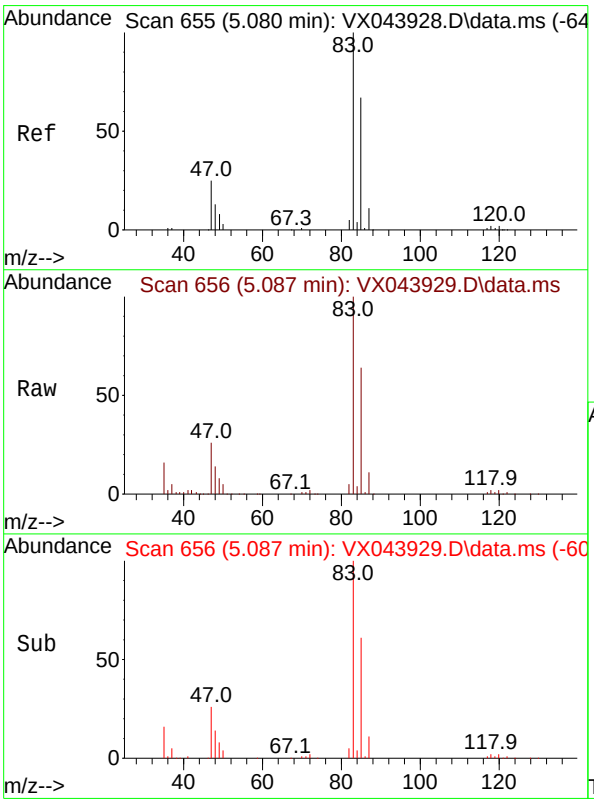

#29
Tetrahydrofuran
Concen: 486.991 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 419743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.9 | 36.4 | 54.6 |
| 71 | 41.6 | 33.4 | 50.0 |

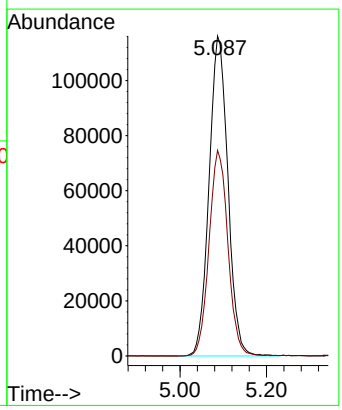


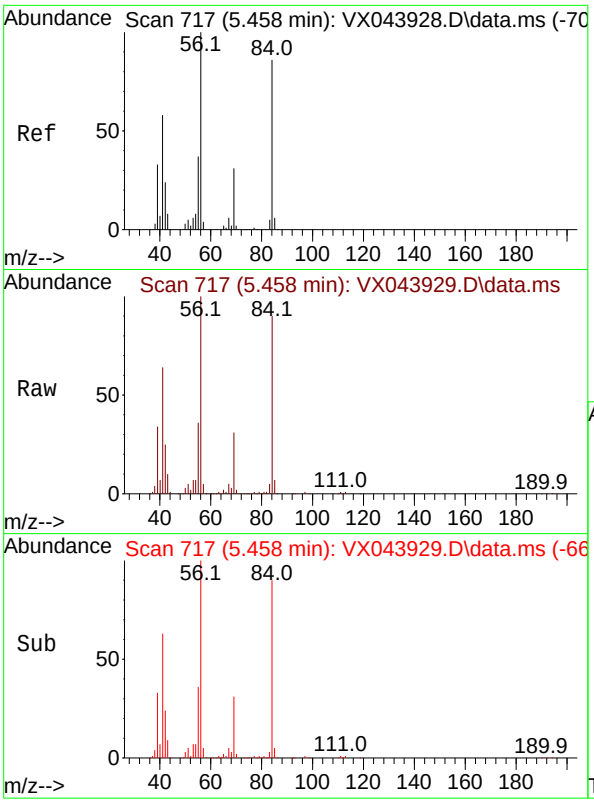




#30
Chloroform
Concen: 101.565 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 83 Resp: 350923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 53.5 | 80.3 |



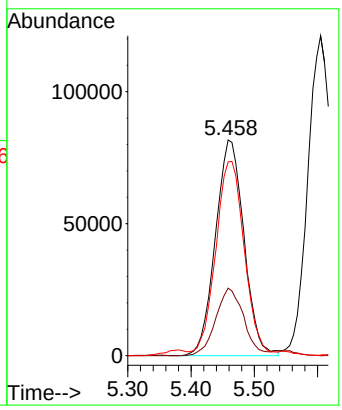


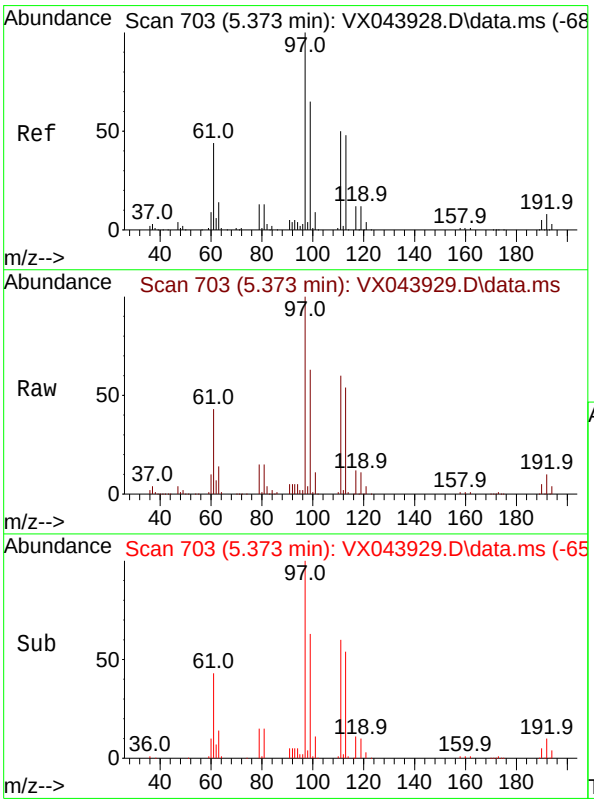

#31
Cyclohexane
Concen: 96.865 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 256114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.3 | 24.7 | 37.1 |
| 84 | 88.2 | 68.7 | 103.1 |

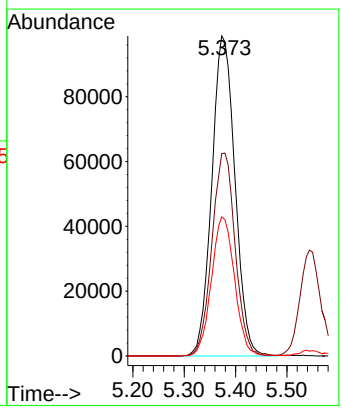


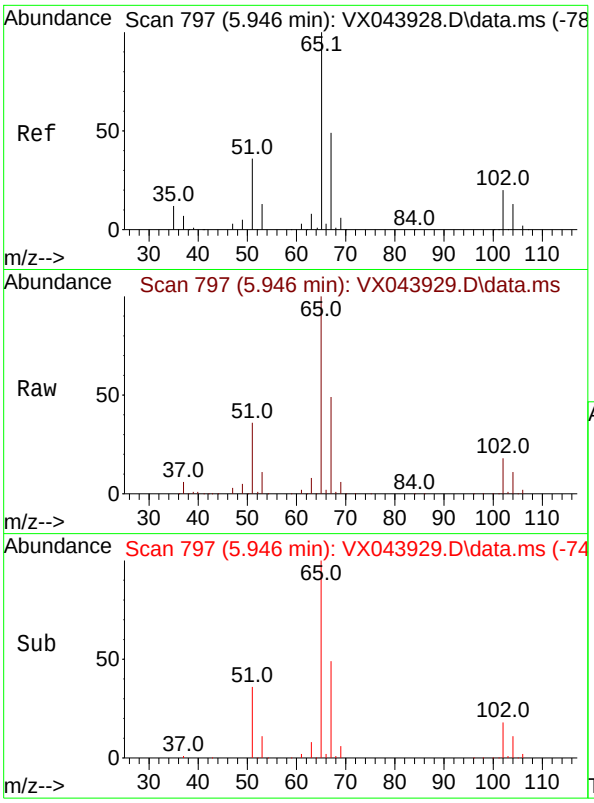




#32
1,1,1-Trichloroethane
Concen: 103.862 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.8 | 76.2 |
| 61 | 43.4 | 35.4 | 53.2 |



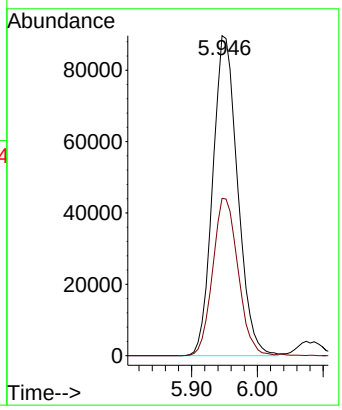


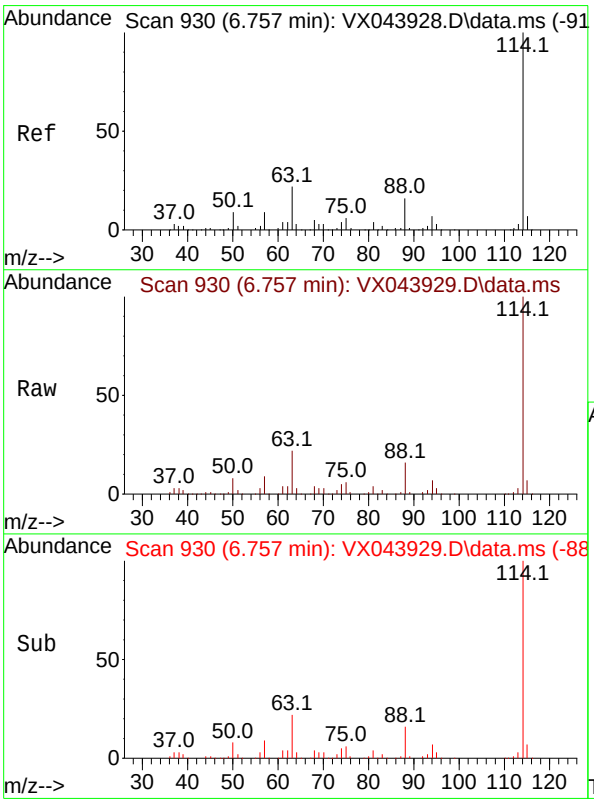

#33
1,2-Dichloroethane-d4
Concen: 99.704 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 236531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.0 | 0.0 | 100.8 |

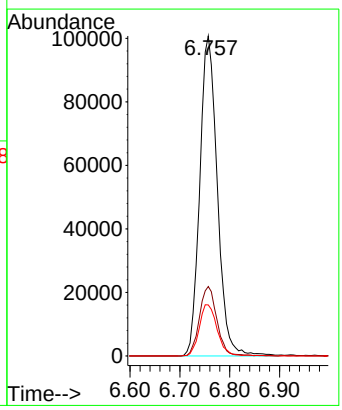


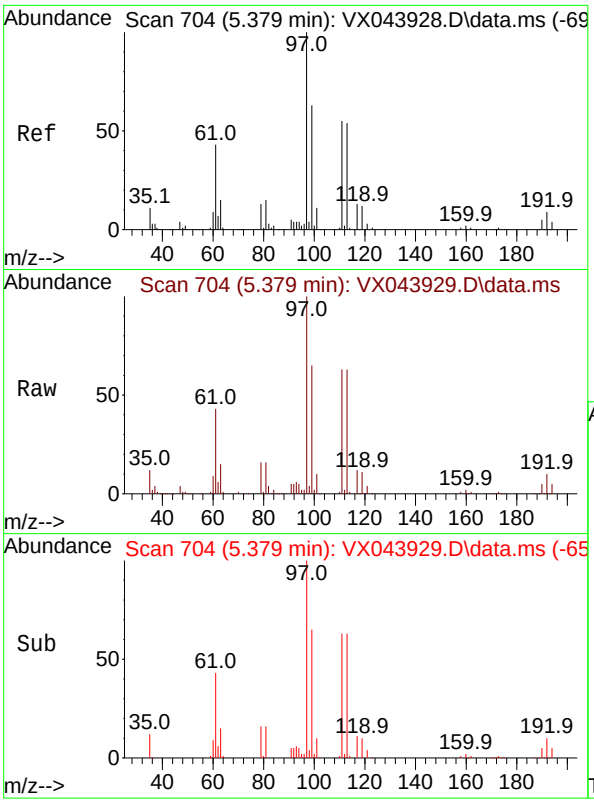




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.7 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 32.4 |



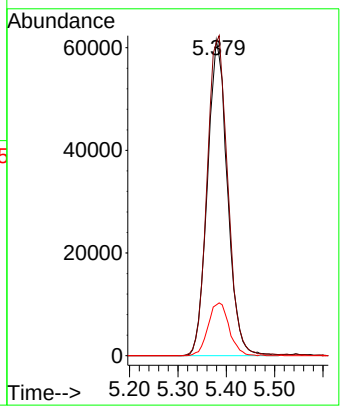


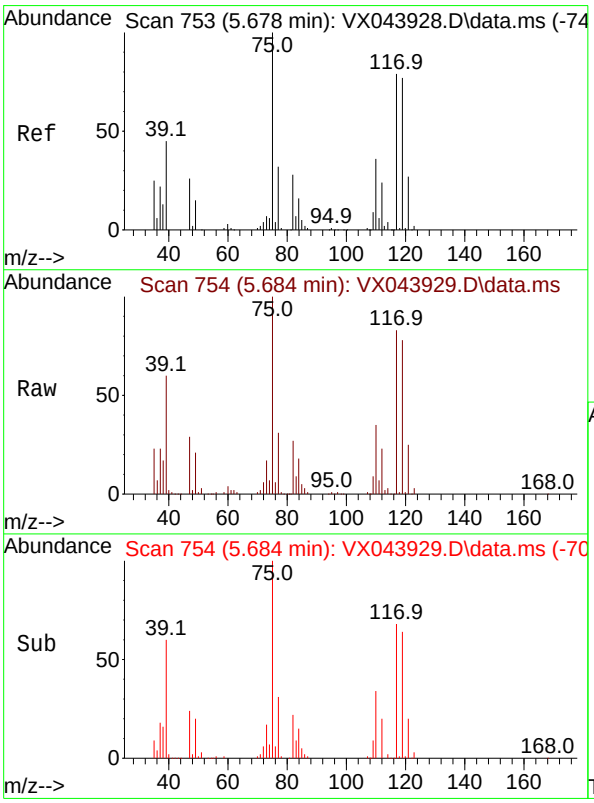

#35
Dibromofluoromethane
Concen: 100.449 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 176869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.6 | 81.0 | 121.4 |
| 192 | 17.6 | 13.0 | 19.6 |

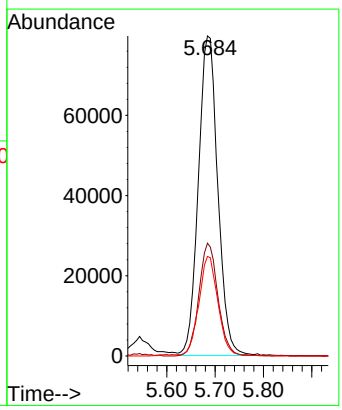


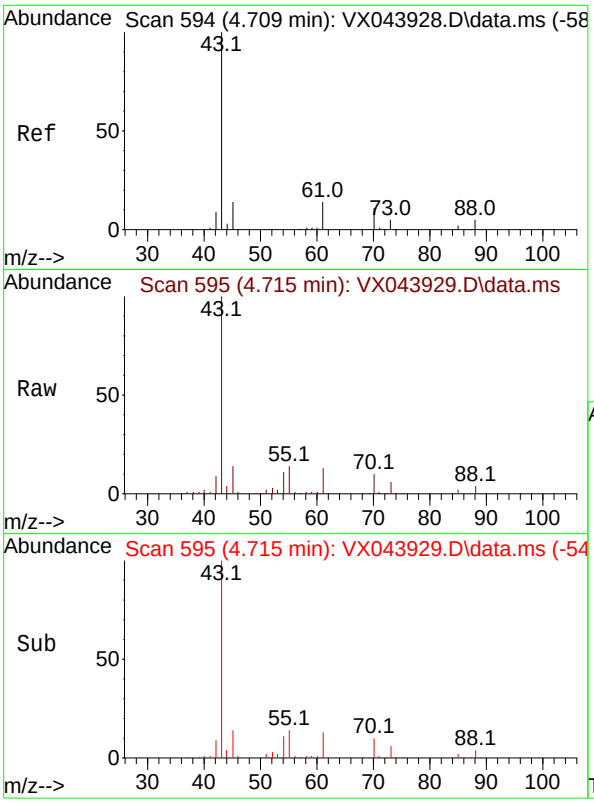




#36
1,1-Dichloropropene
Concen: 101.439 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 222573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 17.4 | 52.2 |
| 77 | 30.8 | 25.8 | 38.8 |



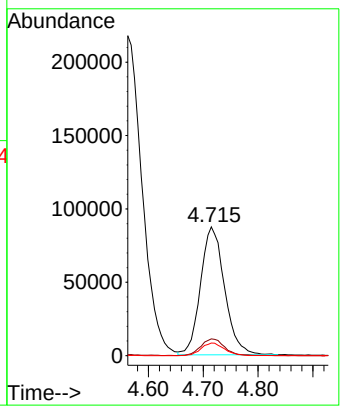


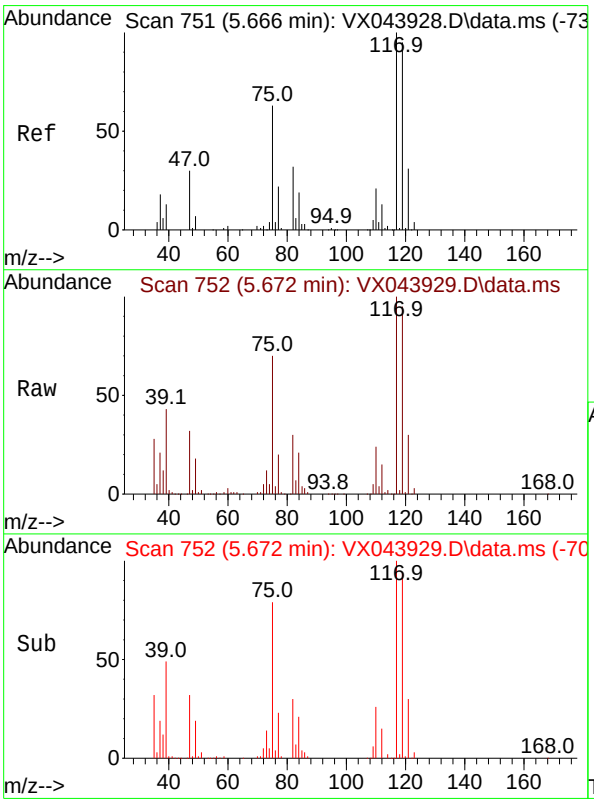

#37
Ethyl Acetate
Concen: 97.527 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 265631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 10.7 | 16.1 |
| 70 | 9.6 | 8.0 | 12.0 |

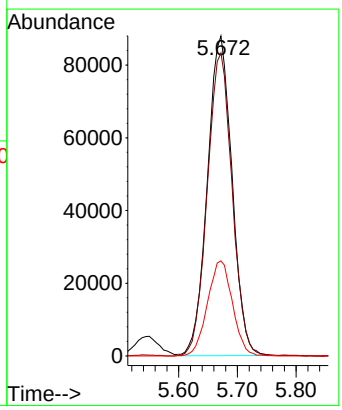


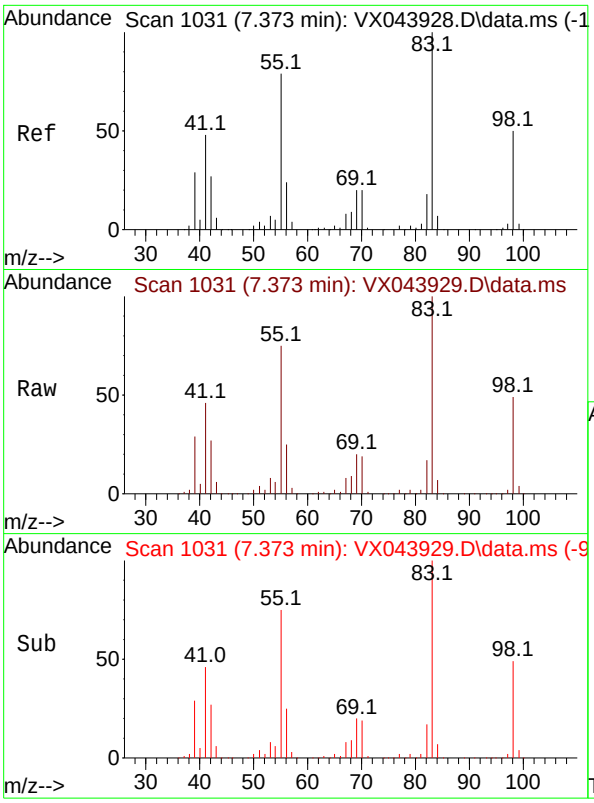




#38
Carbon Tetrachloride
Concen: 103.953 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 256290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.7 | 75.2 | 112.8 |
| 121 | 29.8 | 24.5 | 36.7 |



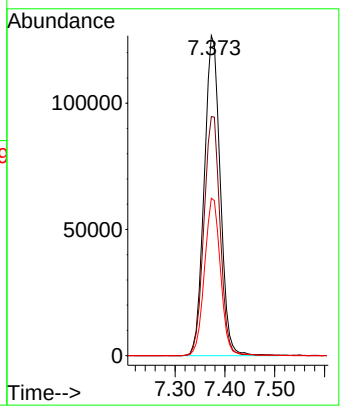


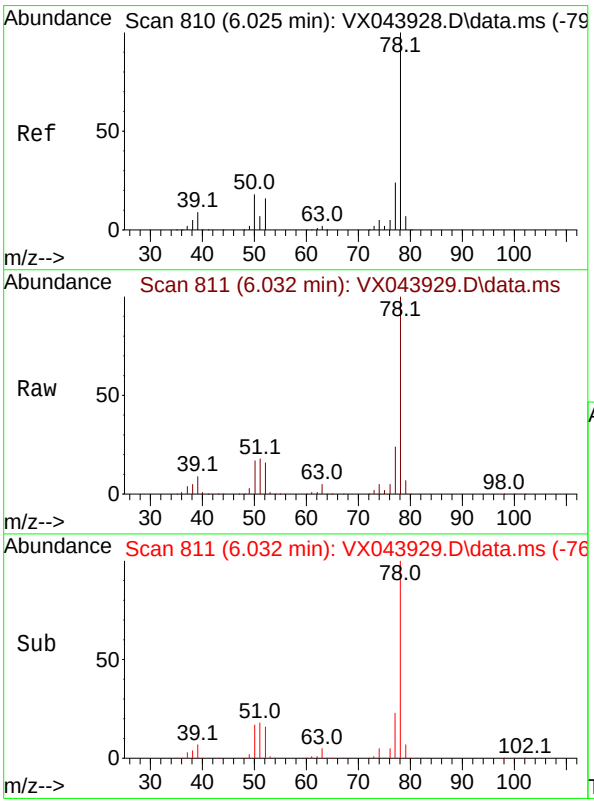

#39
Methylcyclohexane
Concen: 99.308 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 283075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.7 | 63.1 | 94.7 |
| 98 | 49.2 | 40.0 | 60.0 |

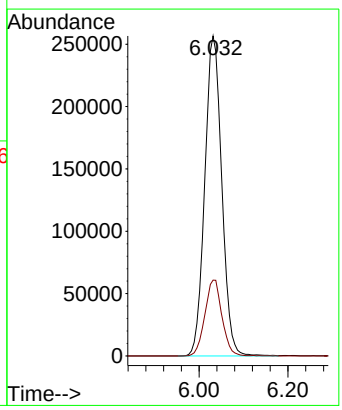


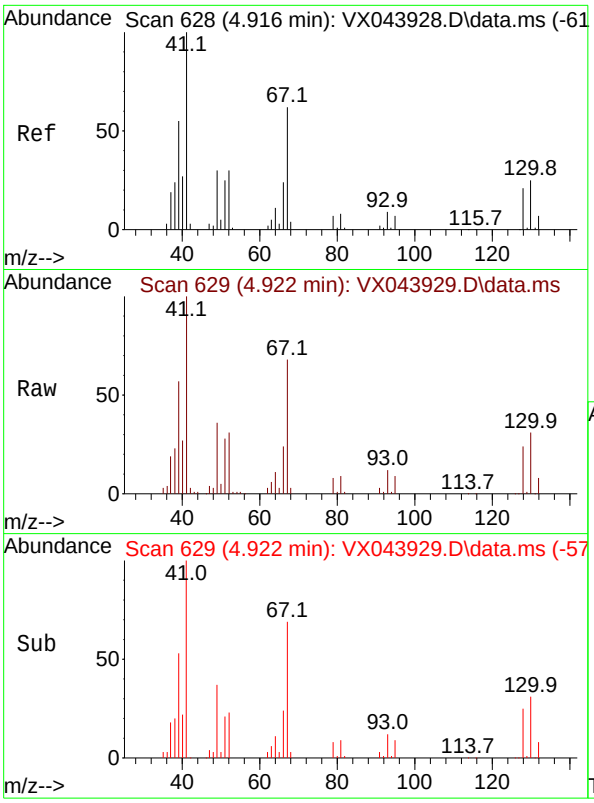




#40
Benzene
Concen: 100.099 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |



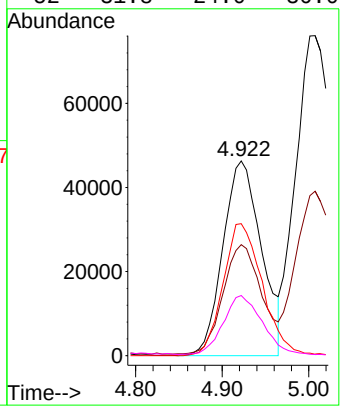


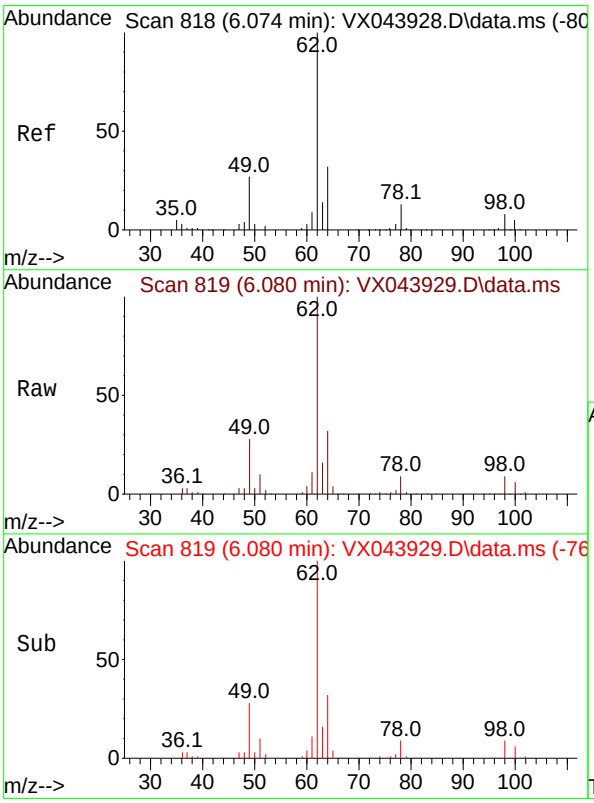

#41
Methacrylonitrile
Concen: 102.765 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 143256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 56.3 | 41.7 | 62.5 |
| 67 | 69.3 | 55.8 | 83.8 |
| 52 | 31.8 | 24.0 | 36.0 |

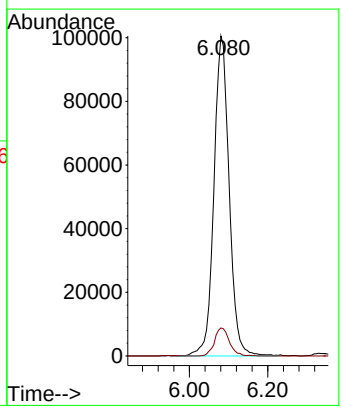


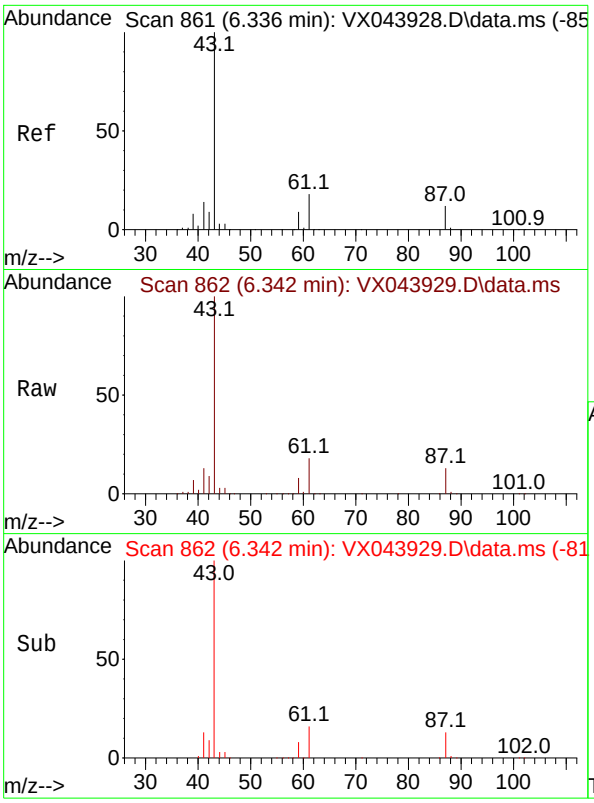




#42
1,2-Dichloroethane
Concen: 98.961 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 271641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 16.4 |



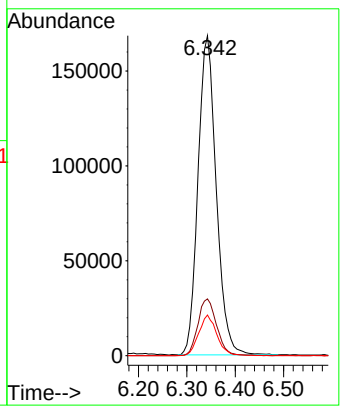


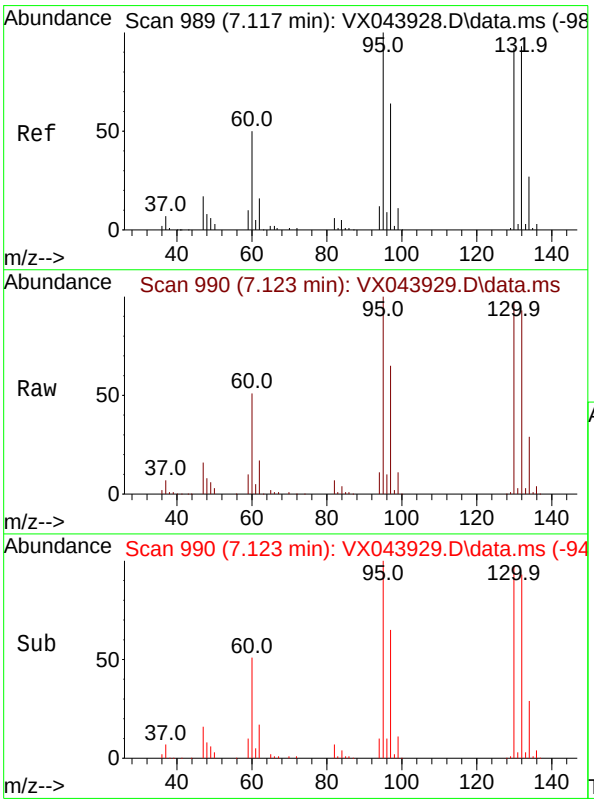

#43
Isopropyl Acetate
Concen: 101.652 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 440615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.3 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

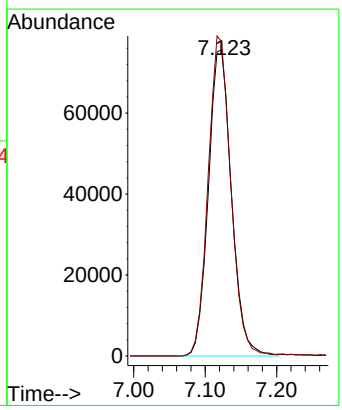


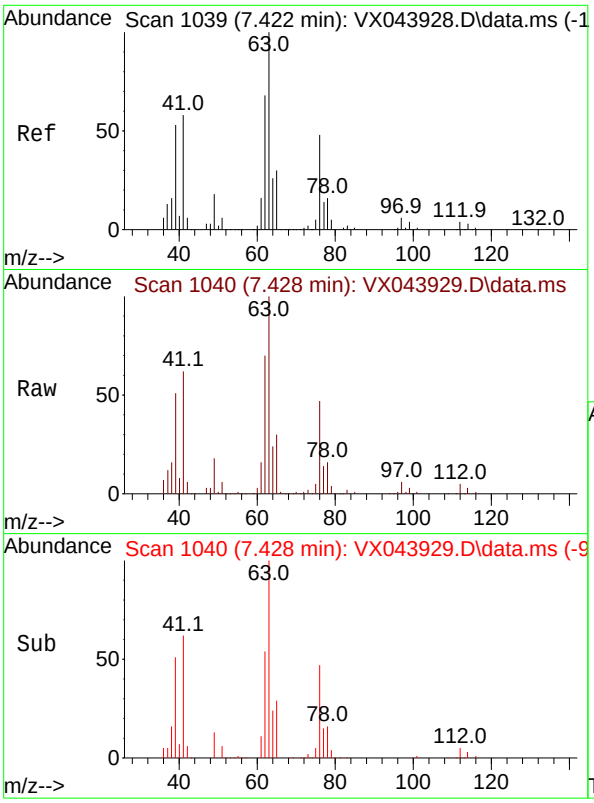




#44
Trichloroethene
Concen: 87.759 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:130 Resp: 169796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.7 | 0.0 | 217.8 |





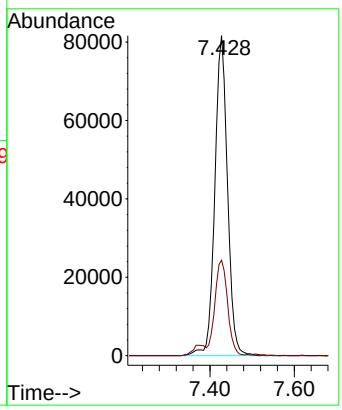

#45
1,2-Dichloropropane
Concen: 101.998 ug/l
RT: 7.428 min Scan# 1

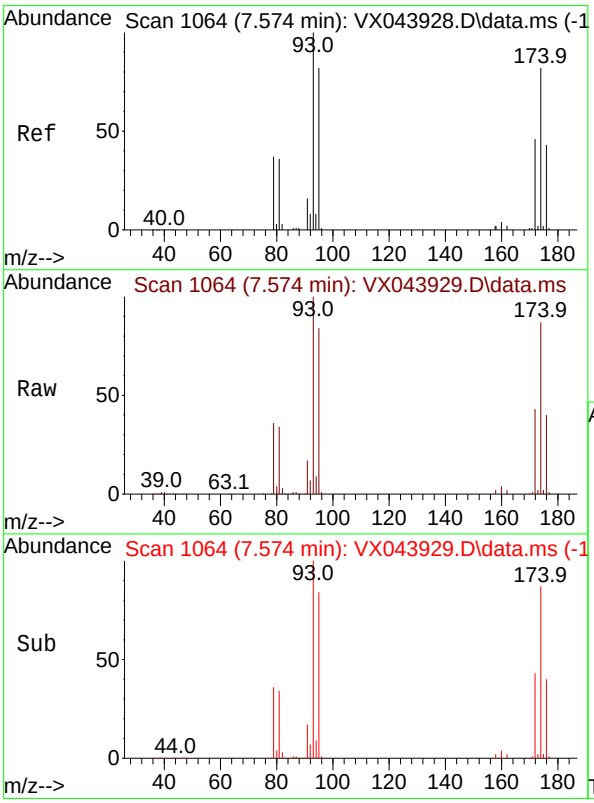
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 170741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.9 | 23.8 | 35.6 |

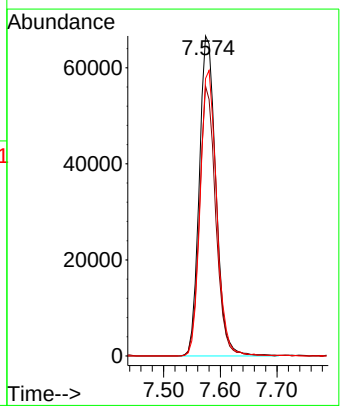


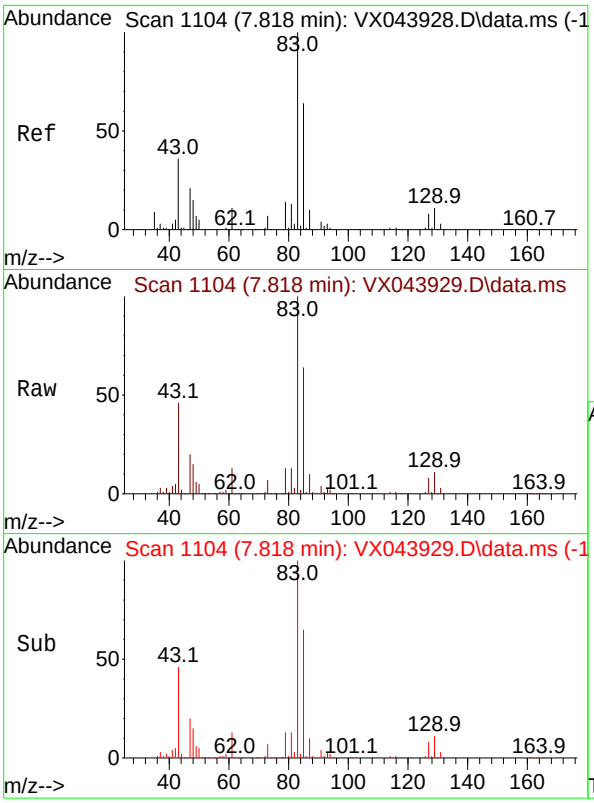




#46
Dibromomethane
Concen: 102.651 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 93 Resp: 135928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 66.2 | 99.4 |
| 174 | 88.2 | 69.6 | 104.4 |



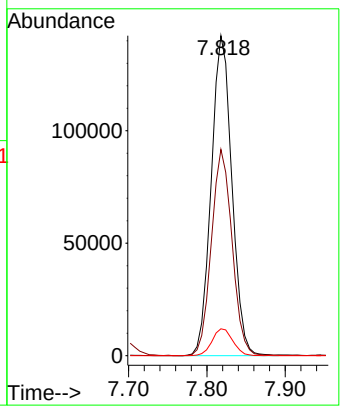


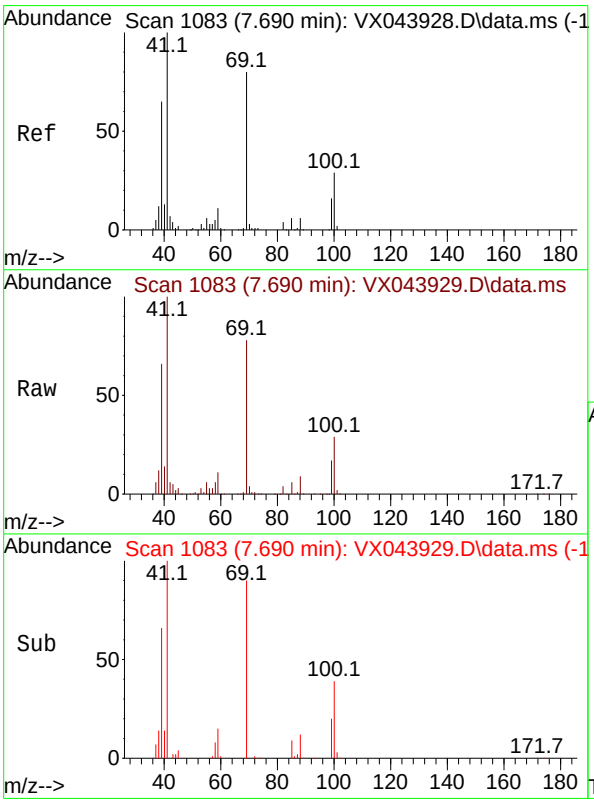

#47
Bromodichloromethane
Concen: 109.665 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 260442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 51.4 | 77.0 |
| 127 | 8.4 | 6.6 | 10.0 |

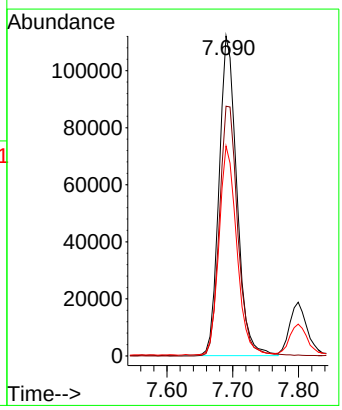


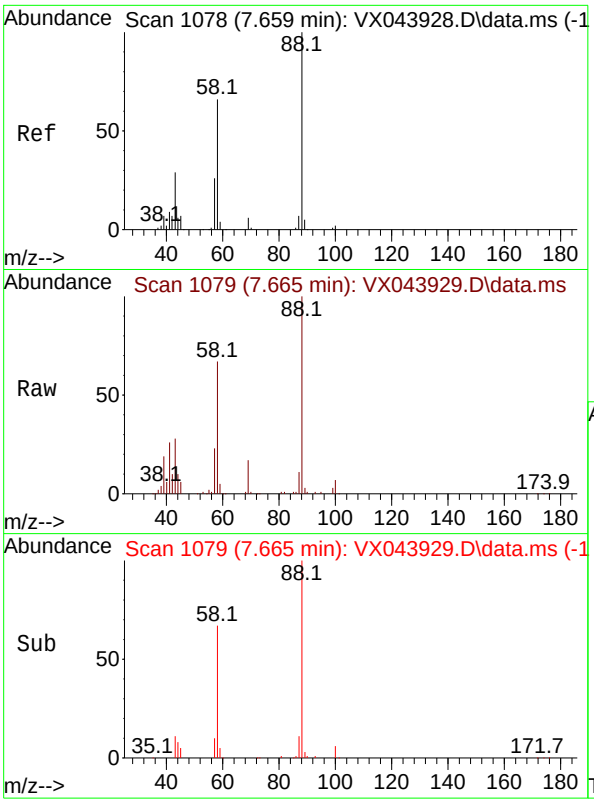




#48
Methyl methacrylate
Concen: 101.262 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 81.2 | 64.6 | 97.0 |
| 39 | 65.6 | 53.3 | 79.9 |



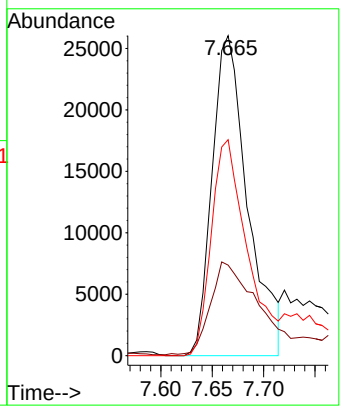


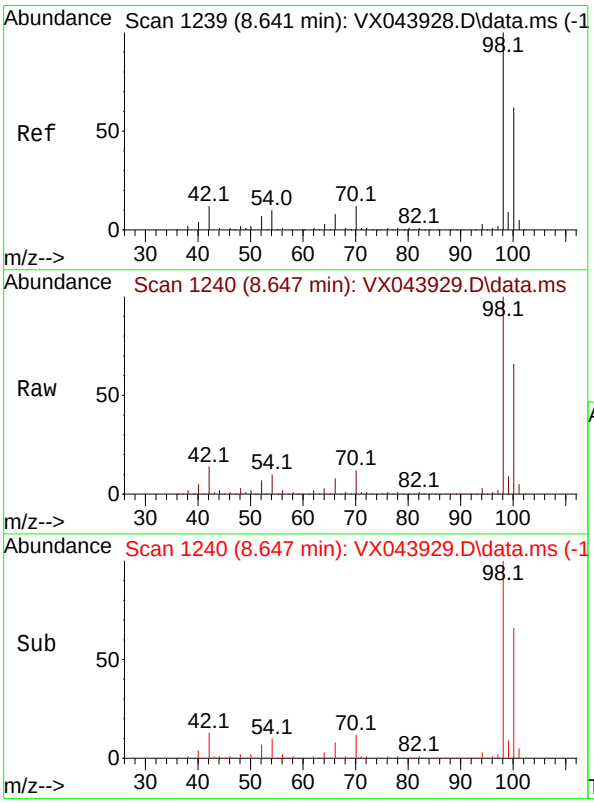

#49
1,4-Dioxane
Concen: 1752.518 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 62845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.8 | 26.8 | 40.2 |
| 58 | 67.9 | 45.4 | 68.2 |

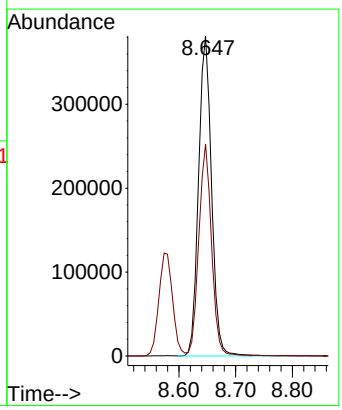


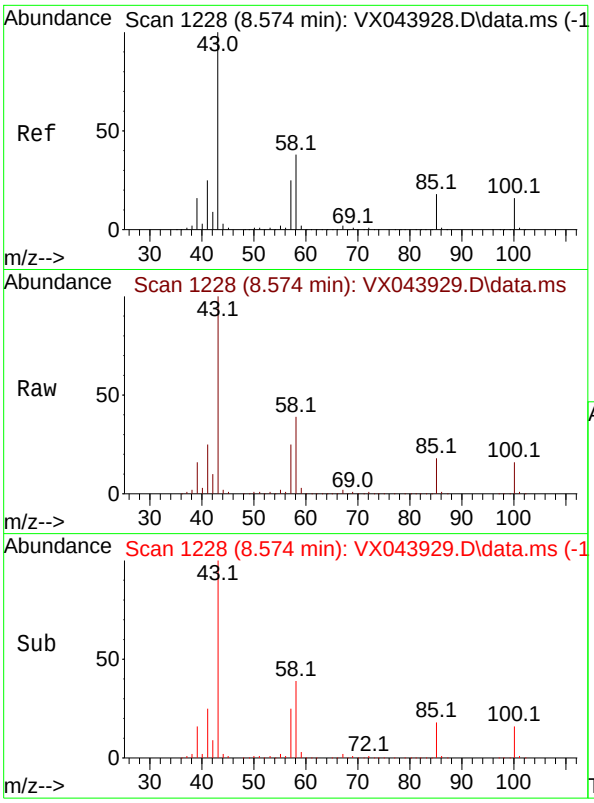




#50
Toluene-d8
Concen: 100.062 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.6 | 79.0 |



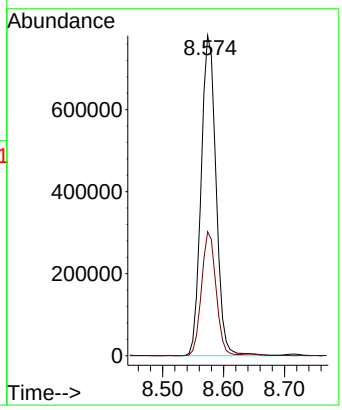


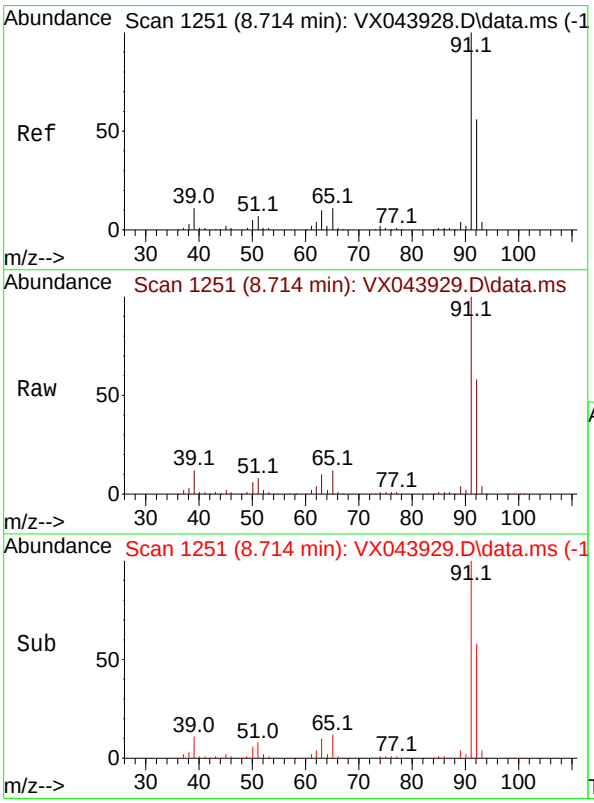

#51
4-Methyl-2-Pentanone
Concen: 502.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1329064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.0 | 45.0 |

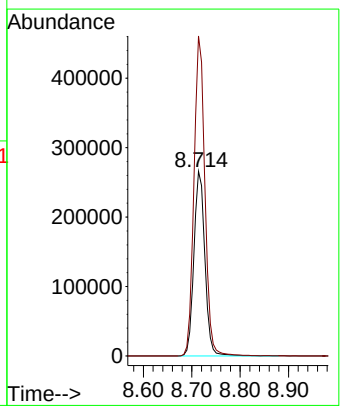


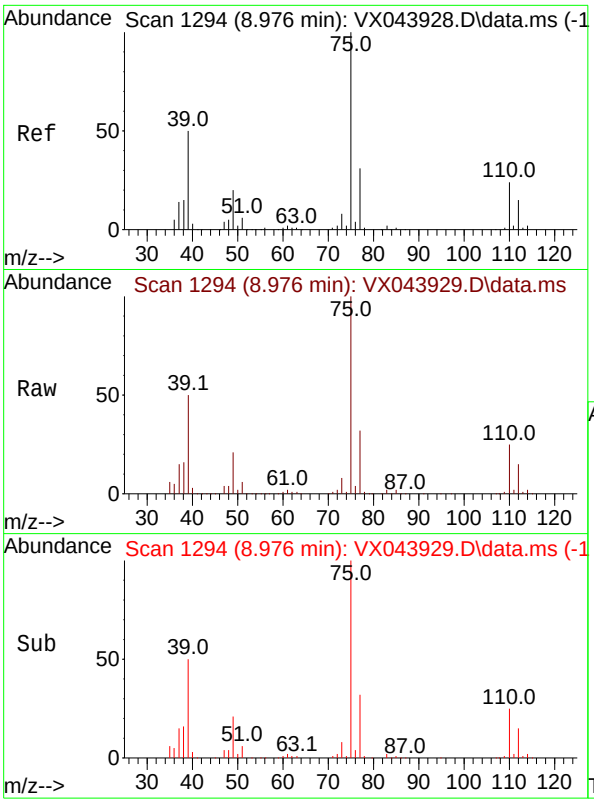




#52
Toluene
Concen: 102.426 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 92 Resp: 418999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.3 | 139.7 | 209.5 |



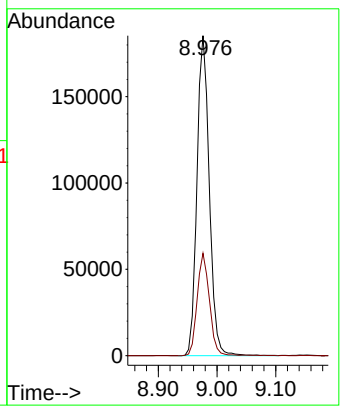


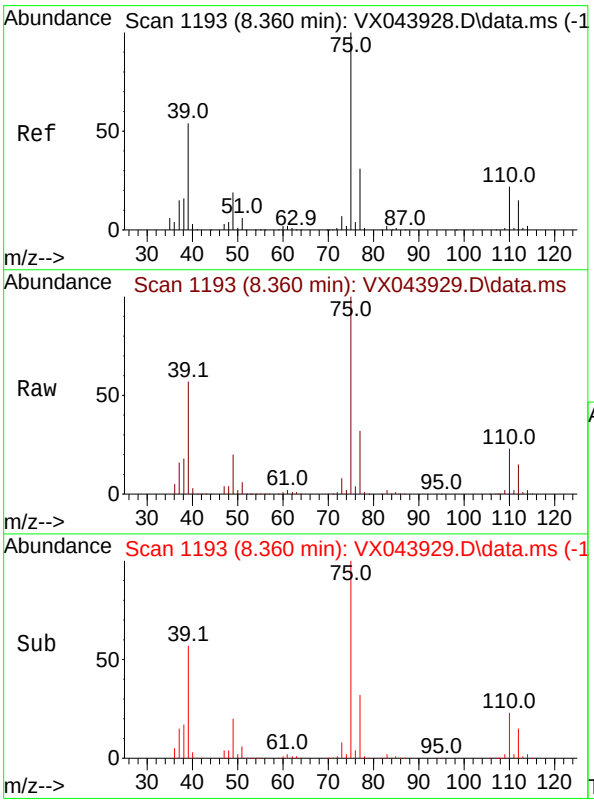

#53
t-1,3-Dichloropropene
Concen: 111.660 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 270418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.1 | 37.7 |

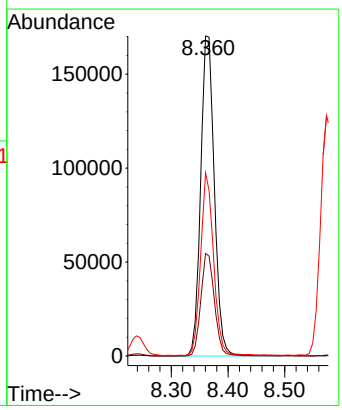


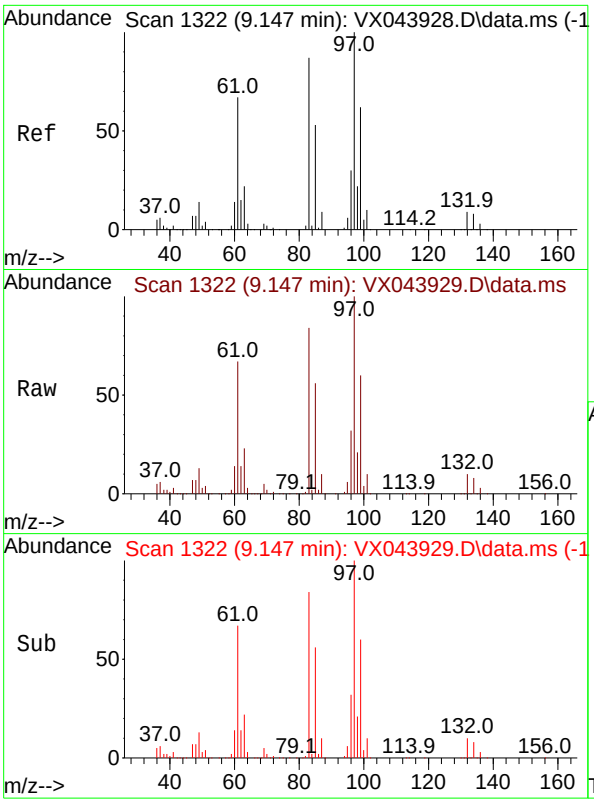




#54
cis-1,3-Dichloropropene
Concen: 107.584 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 285627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.2 | 37.8 |
| 39 | 57.0 | 43.1 | 64.7 |



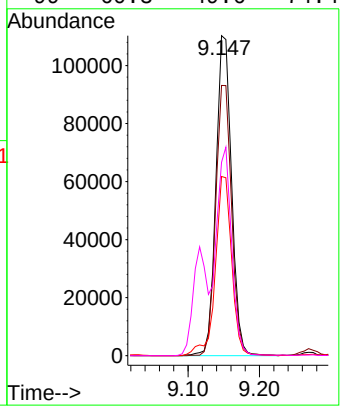


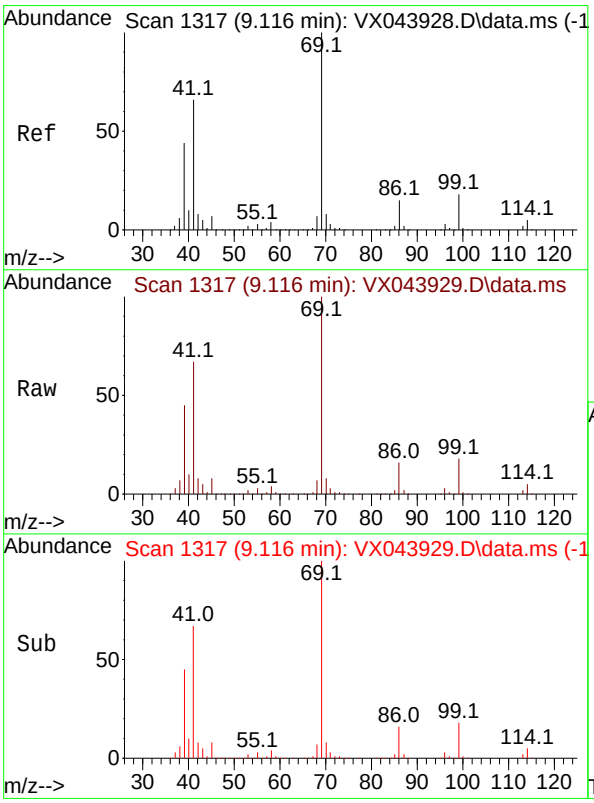

#55
1,1,2-Trichloroethane
Concen: 99.107 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 167357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.5 | 69.4 | 104.0 |
| 85 | 56.0 | 42.3 | 63.5 |
| 99 | 60.3 | 49.6 | 74.4 |

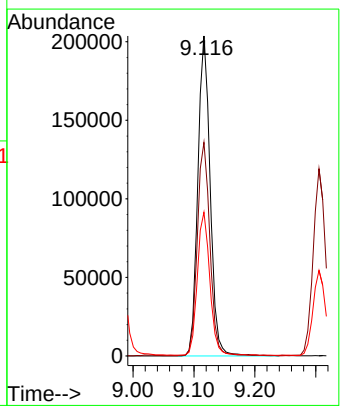


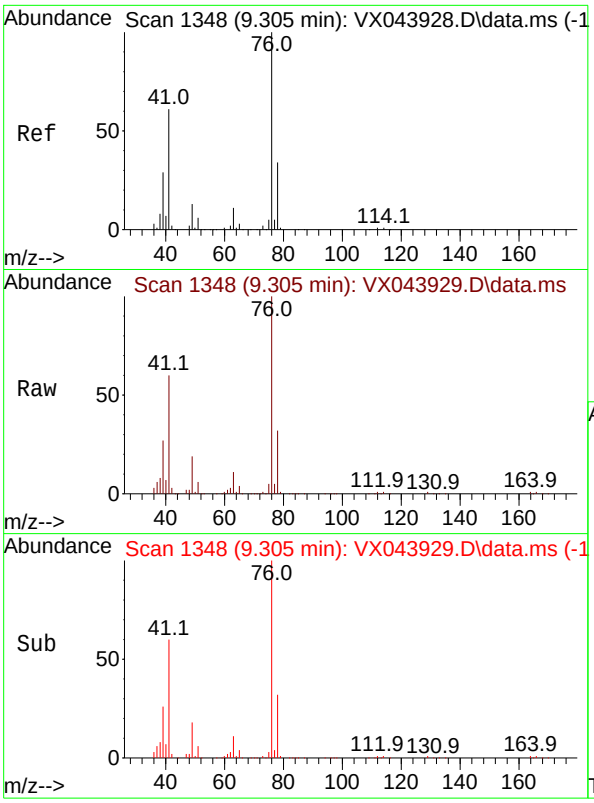




#56
Ethyl methacrylate
Concen: 109.076 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.0 | 55.8 | 83.8 |
| 39 | 45.3 | 36.7 | 55.1 |



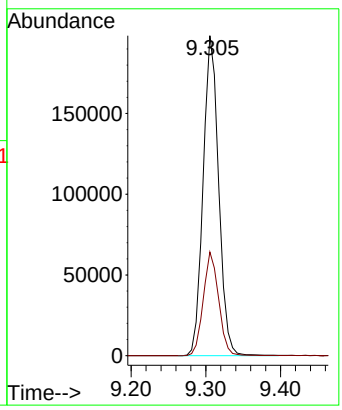


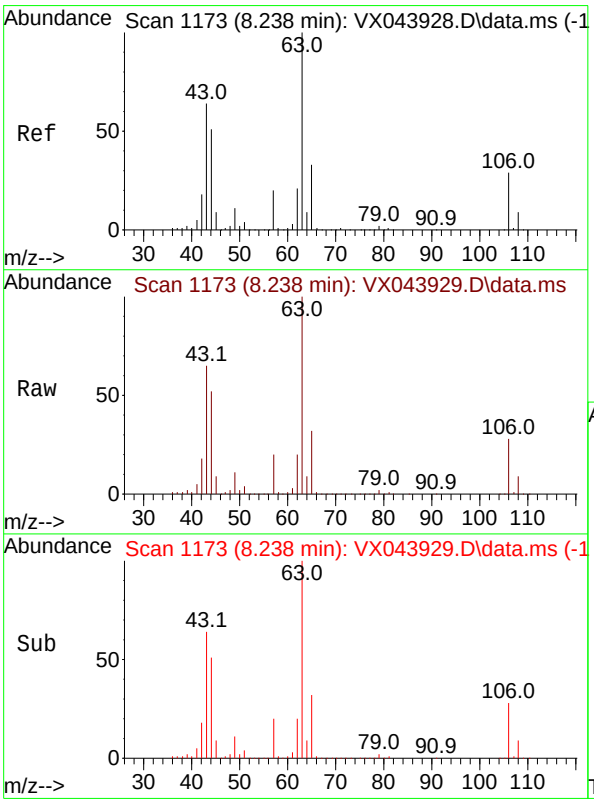

#57
1,3-Dichloropropane
Concen: 100.370 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 285511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.0 | 39.0 |

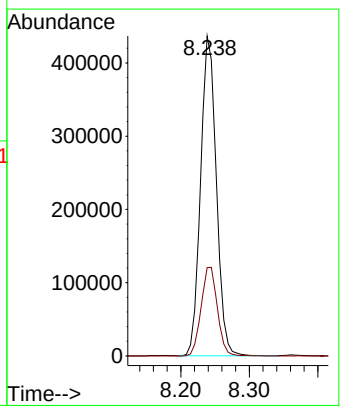


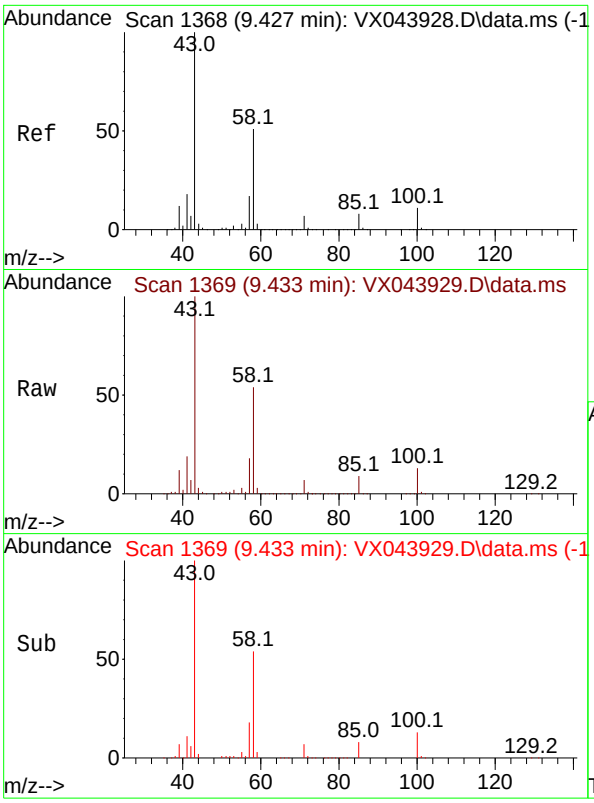




#58
2-Chloroethyl Vinyl ether
Concen: 489.972 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.6 | 23.0 | 34.6 |



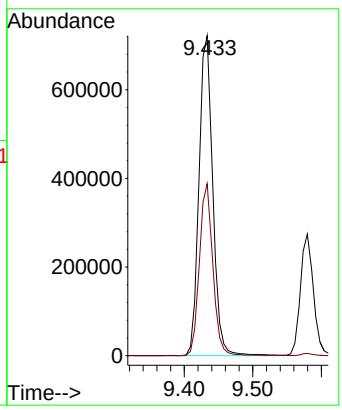


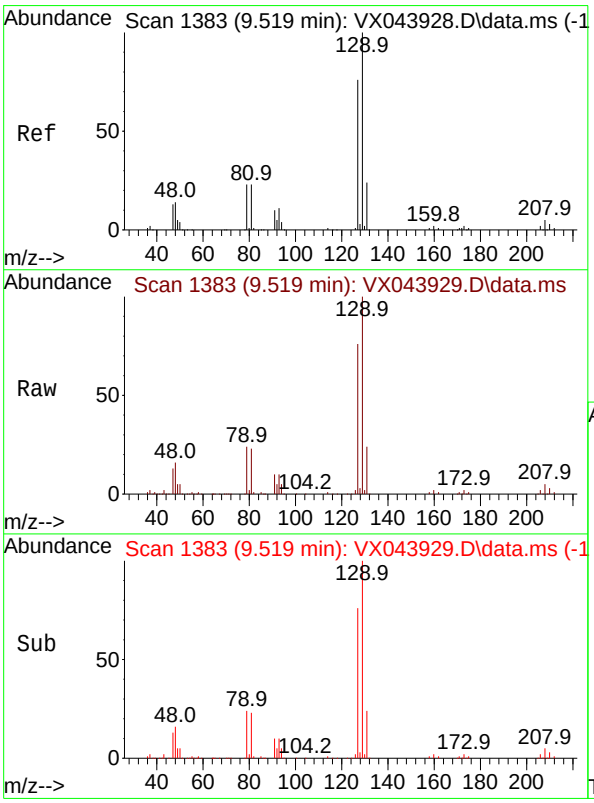

#59
2-Hexanone
Concen: 508.639 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1011261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.7 | 25.9 | 77.6 |

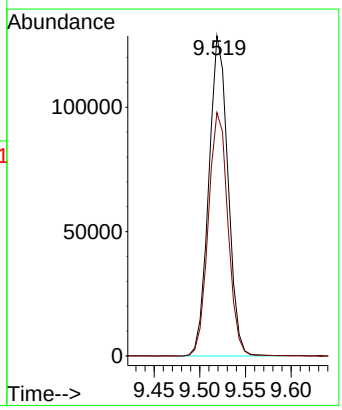


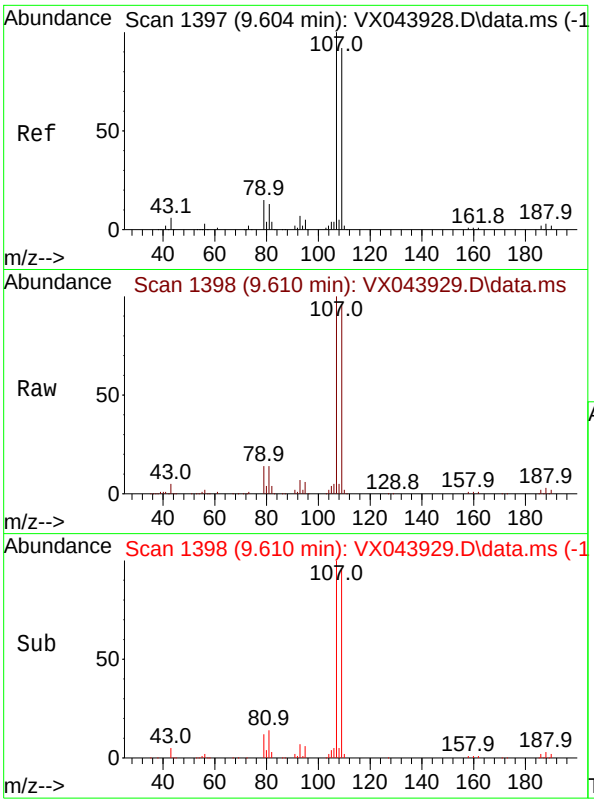




#60
Dibromochloromethane
Concen: 110.653 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.2 | 114.6 |



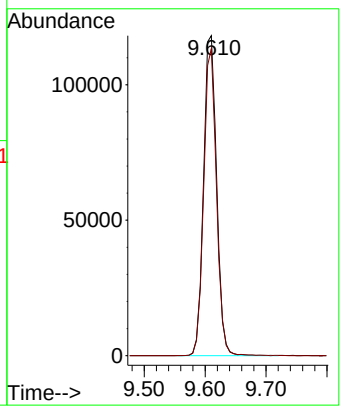


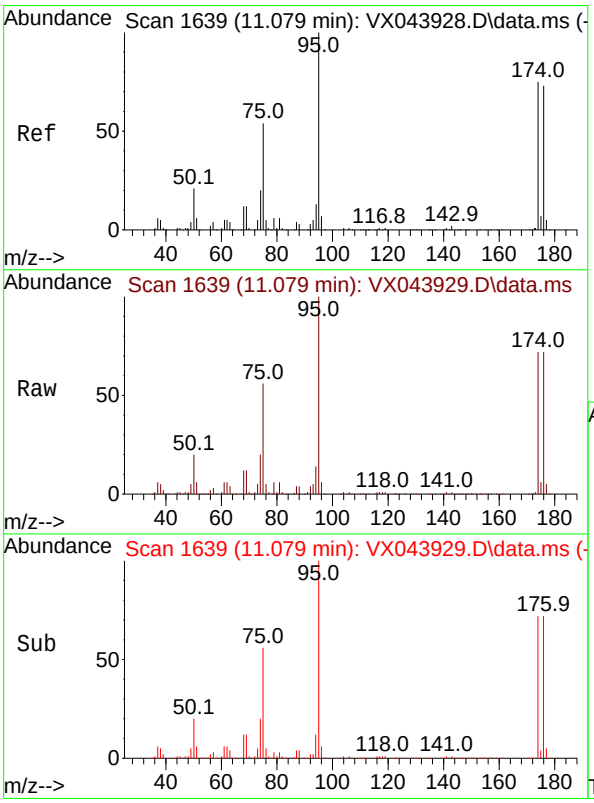

#61
1,2-Dibromoethane
Concen: 103.278 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 176345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.9 | 75.2 | 112.8 |

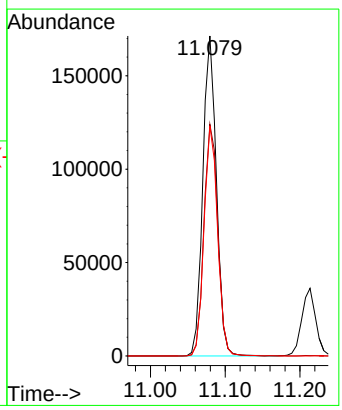


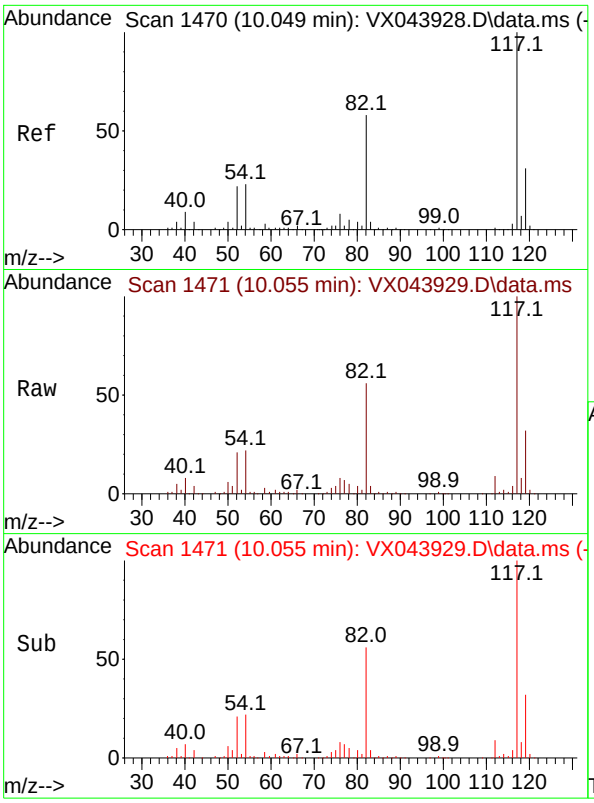




#62
4-Bromofluorobenzene
Concen: 104.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 95 Resp: 215953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.1 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 146.0 |



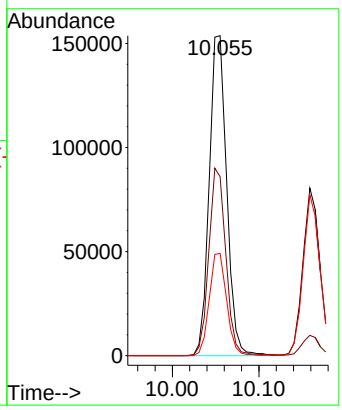


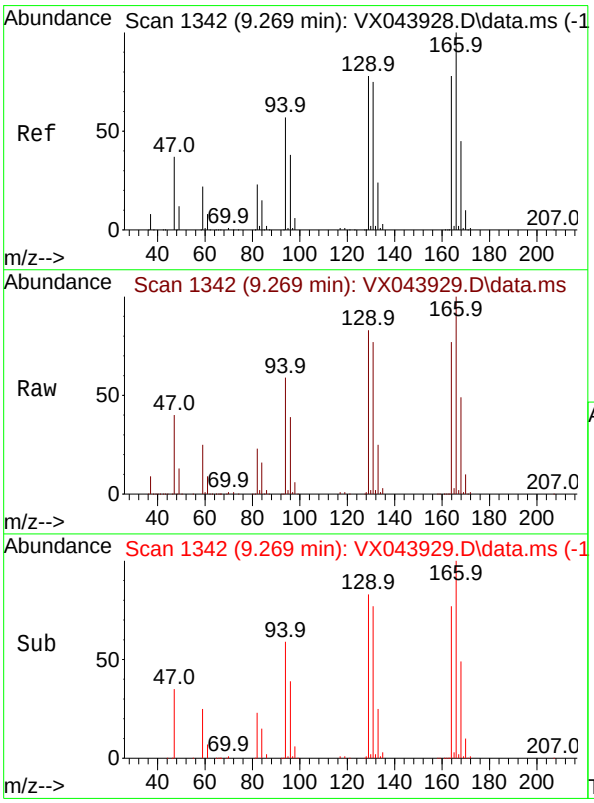

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 215595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 46.4 | 69.6 |
| 119 | 31.9 | 24.6 | 37.0 |

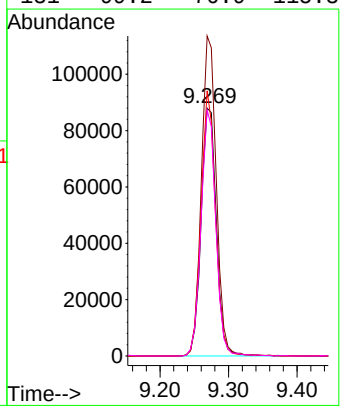


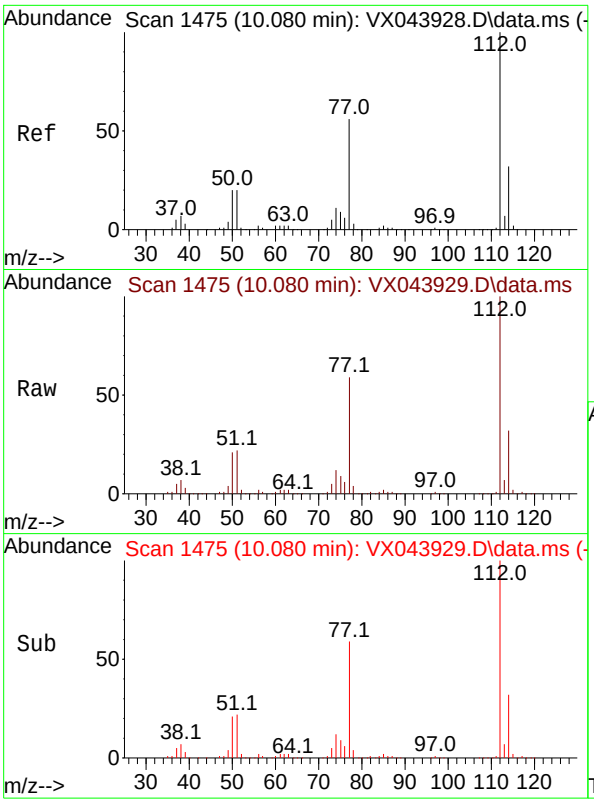




#64
Tetrachloroethene
Concen: 95.484 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 102.1 | 153.1 |
| 129 | 107.0 | 79.6 | 119.4 |
| 131 | 99.2 | 76.9 | 115.3 |



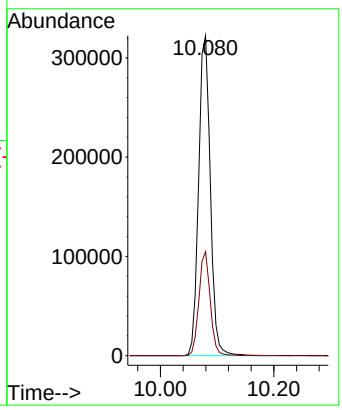


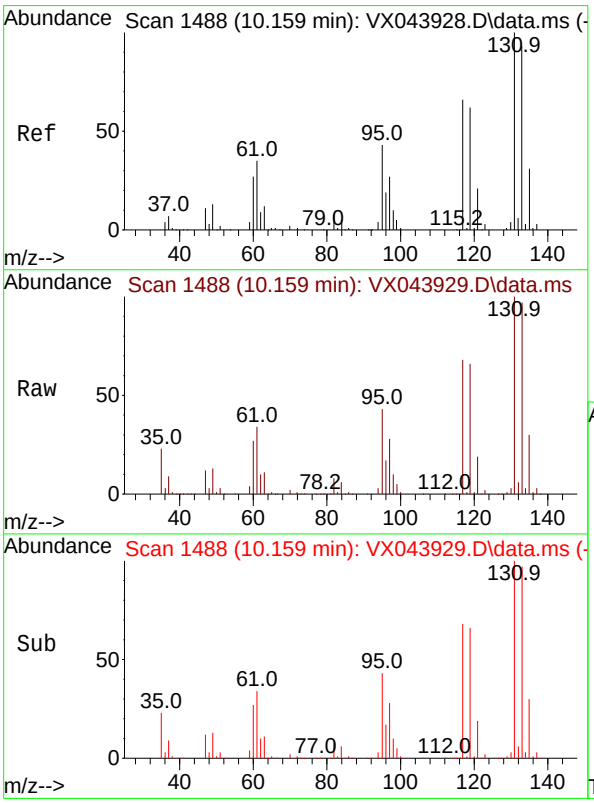

#65
Chlorobenzene
Concen: 97.374 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 461076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.5 | 25.4 | 38.0 |

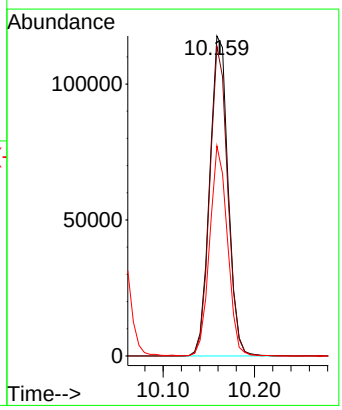


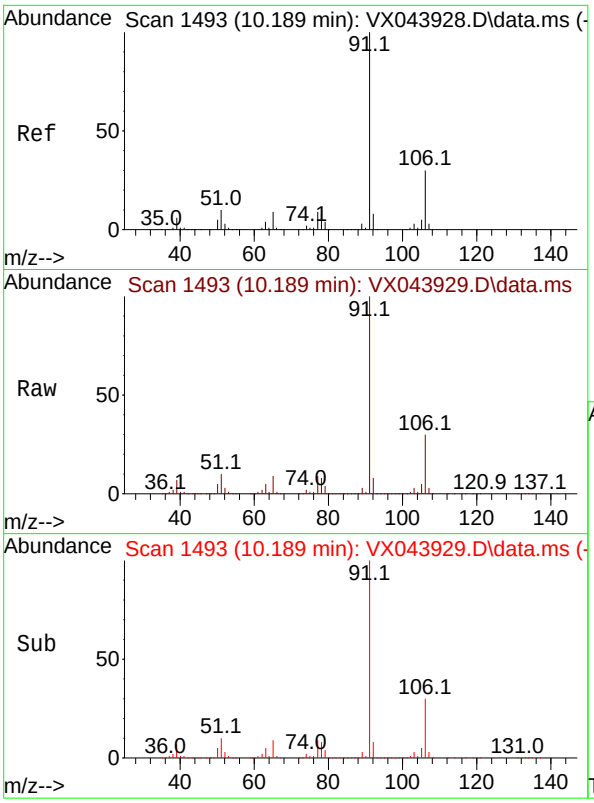




#66
1,1,1,2-Tetrachloroethane
Concen: 107.177 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 48.2 | 144.6 |
| 119 | 63.2 | 31.5 | 94.5 |



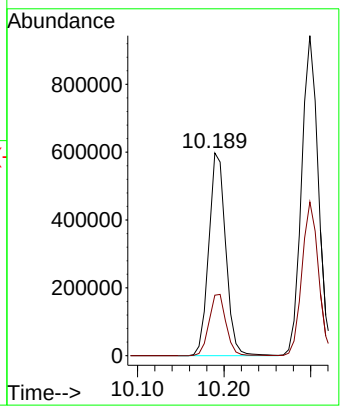


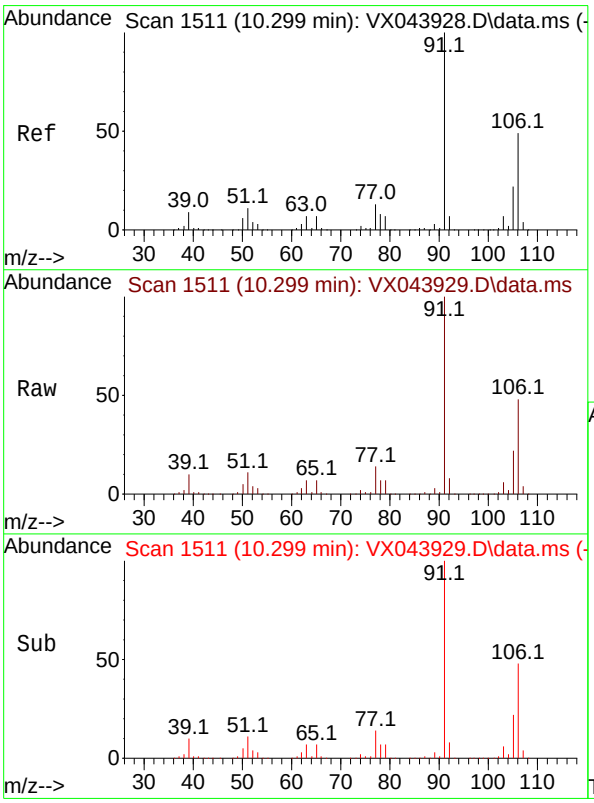

#67
Ethyl Benzene
Concen: 101.238 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 812289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.8 | 23.6 | 35.4 |

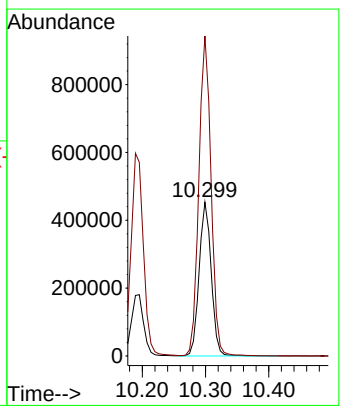


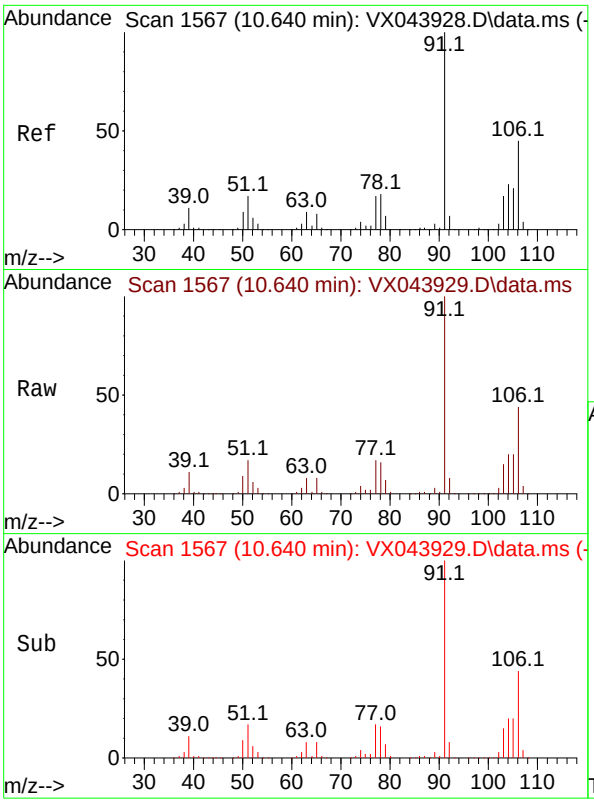




#68
m/p-Xylenes
Concen: 201.677 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:106 Resp: 603451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.3 | 168.1 | 252.1 |



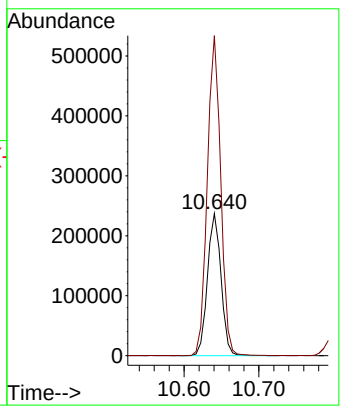


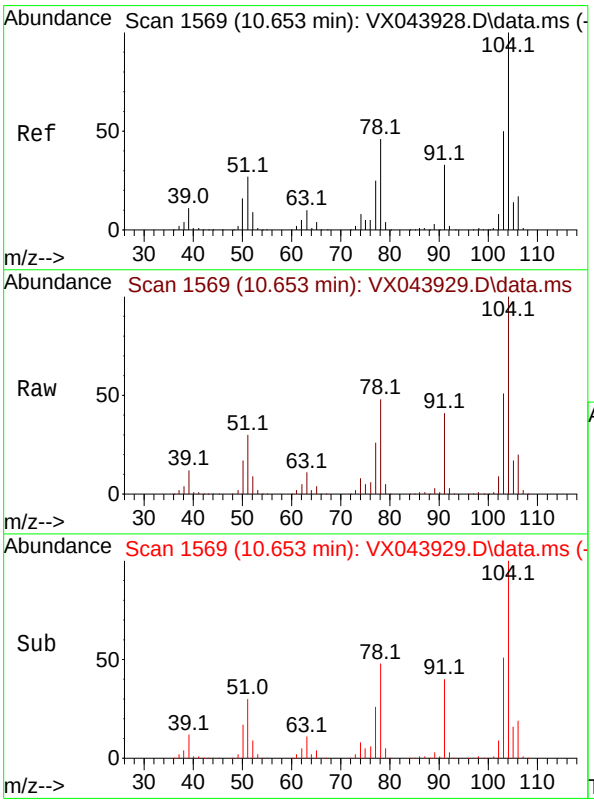

#69
o-Xylene
Concen: 102.257 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 298739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 110.2 | 330.6 |

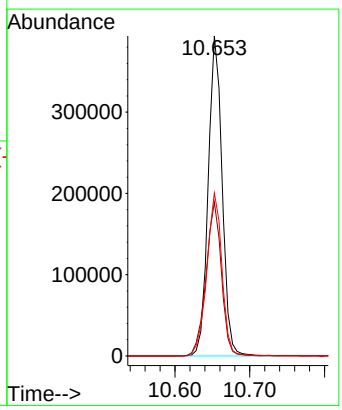


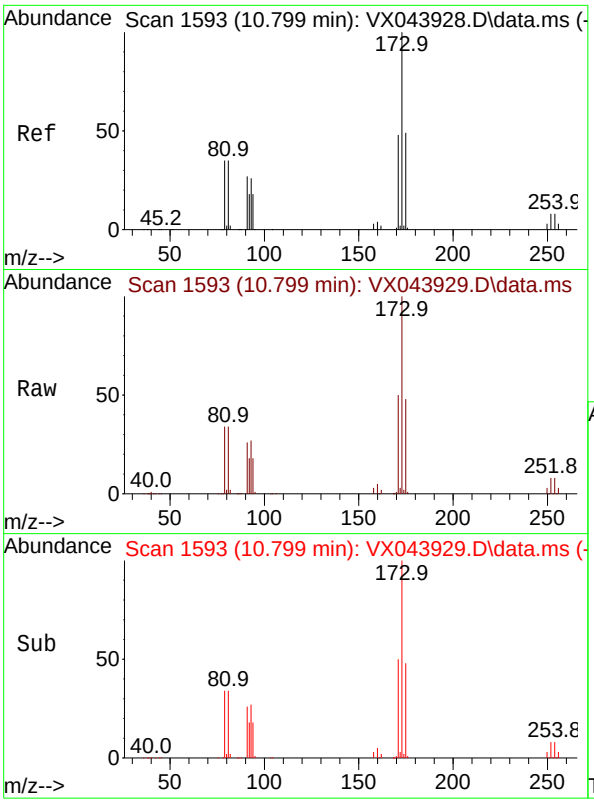




#70
Styrene
Concen: 105.807 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:104 Resp: 511251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 42.2 | 63.2 |
| 103 | 55.4 | 44.7 | 67.1 |



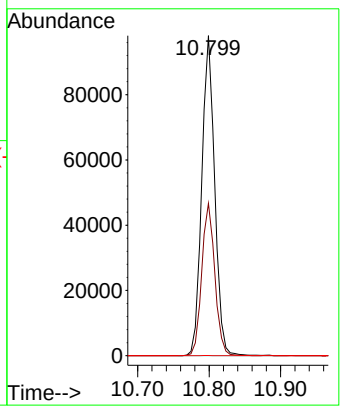


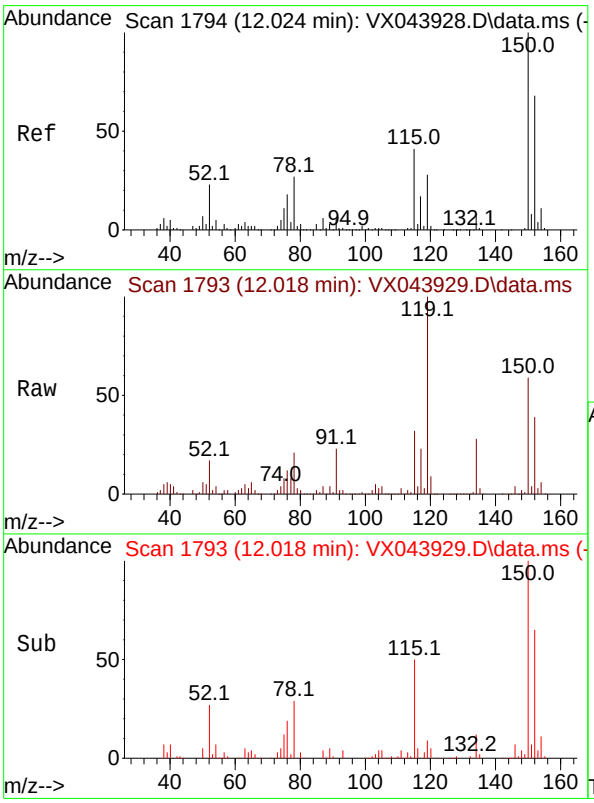

#71
Bromoform
Concen: 98.888 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 123114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.1 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0# |

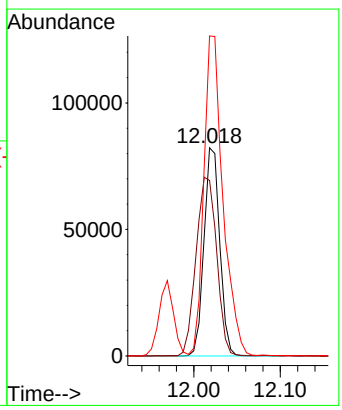


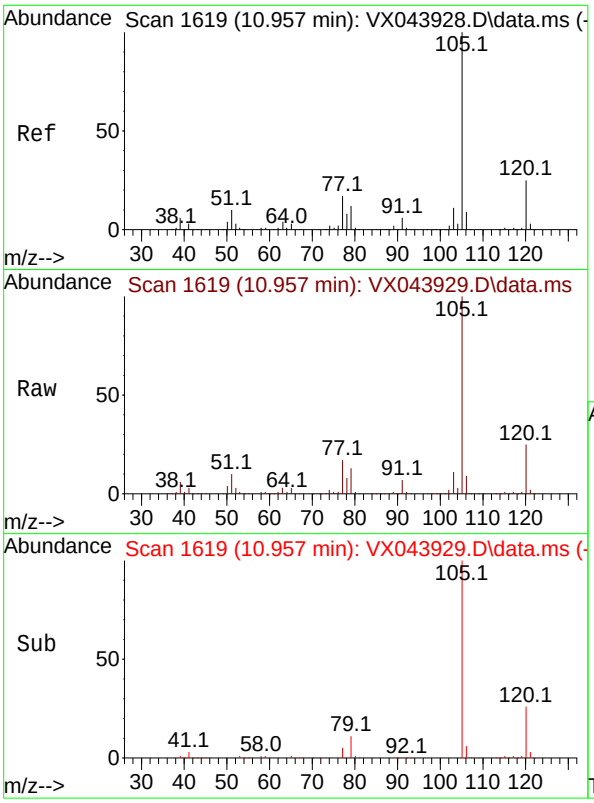




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:152 Resp: 104048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 112.2 | 45.4 | 136.2 |
| 150 | 186.1 | 0.0 | 353.0 |



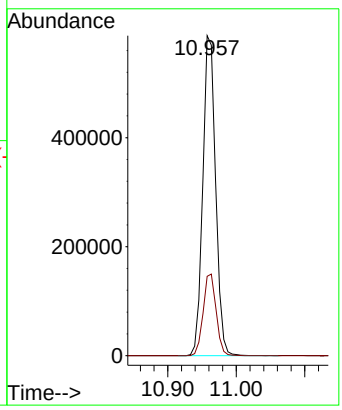


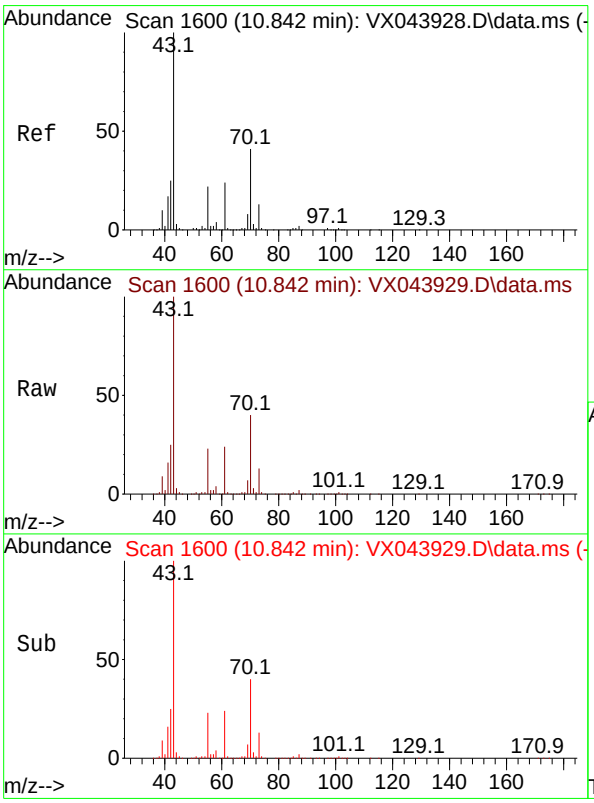

#73
Isopropylbenzene
Concen: 95.726 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 765623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.8 | 13.0 | 38.9 |

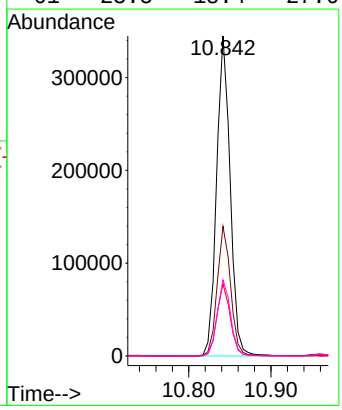


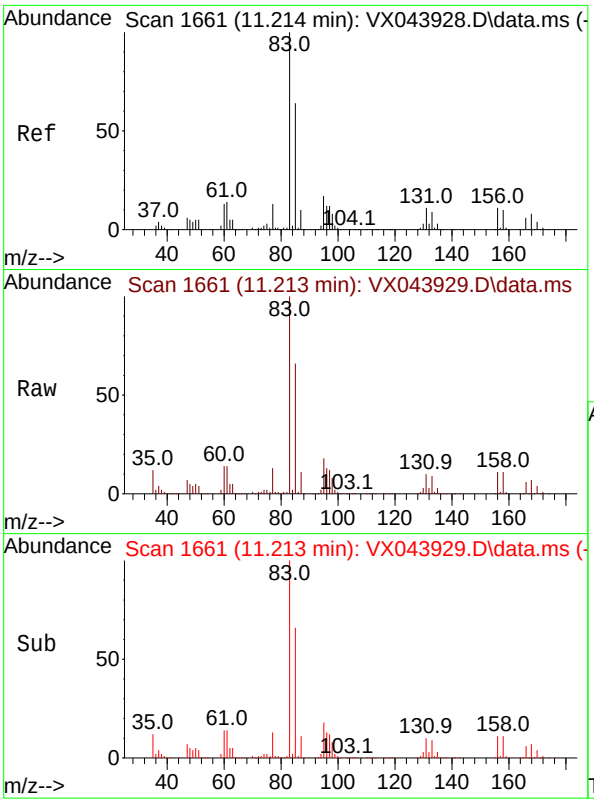




#74
N-amyl acetate
Concen: 106.458 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.2 | 48.2 |
| 55 | 22.3 | 18.1 | 27.1 |
| 61 | 23.5 | 18.4 | 27.6 |



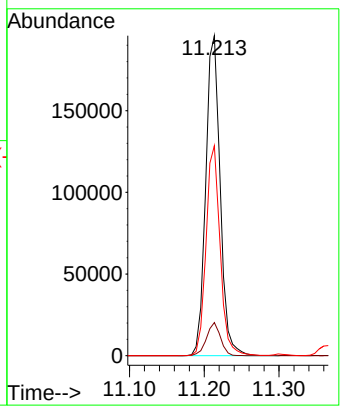


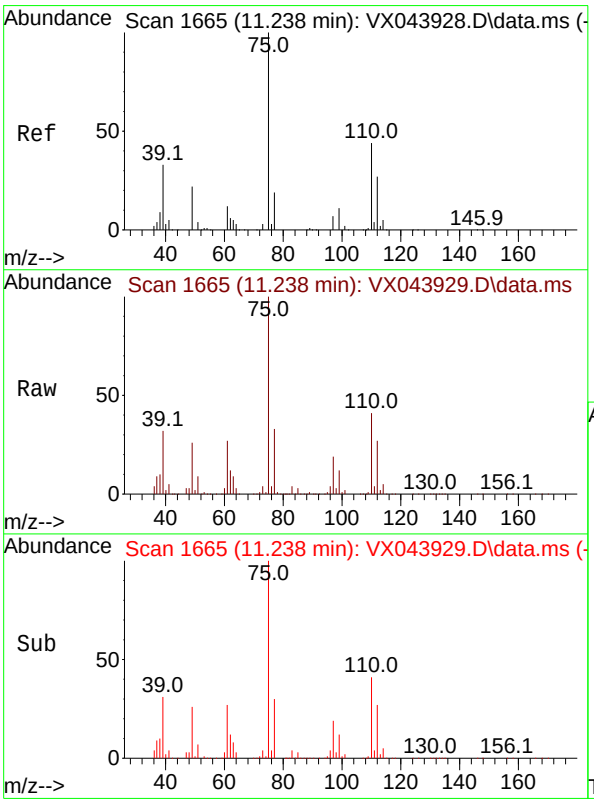

#75
1,1,2,2-Tetrachloroethane
Concen: 95.779 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 262302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.2 |
| 85 | 64.1 | 32.2 | 96.6 |

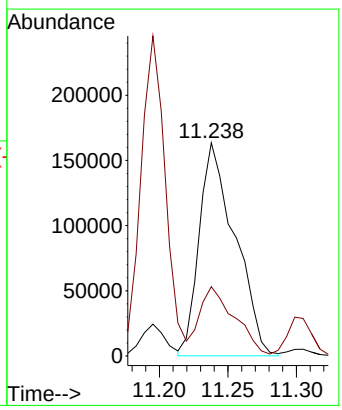


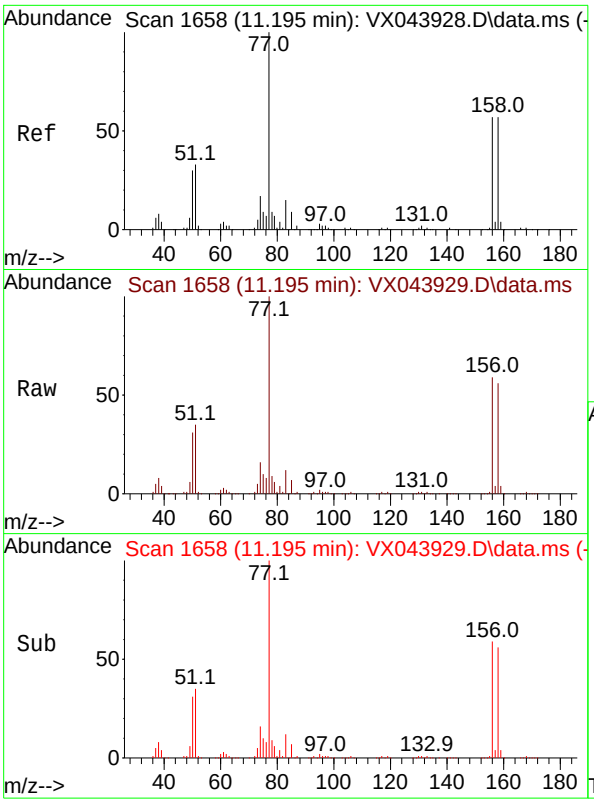




#76
1,2,3-Trichloropropane
Concen: 132.787 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 297947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 21.8 | 65.3 |



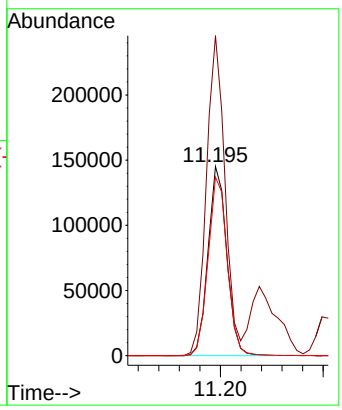


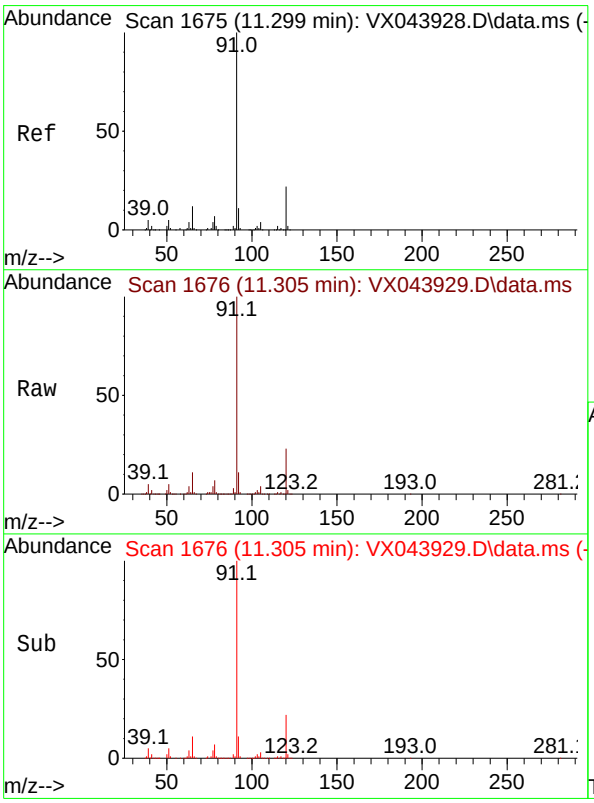

#77
Bromobenzene
Concen: 96.304 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 183742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.9 | 83.4 | 250.1 |
| 158 | 96.3 | 47.6 | 142.8 |

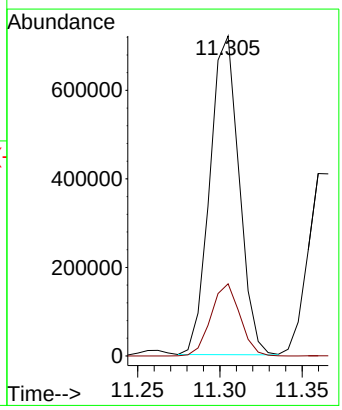


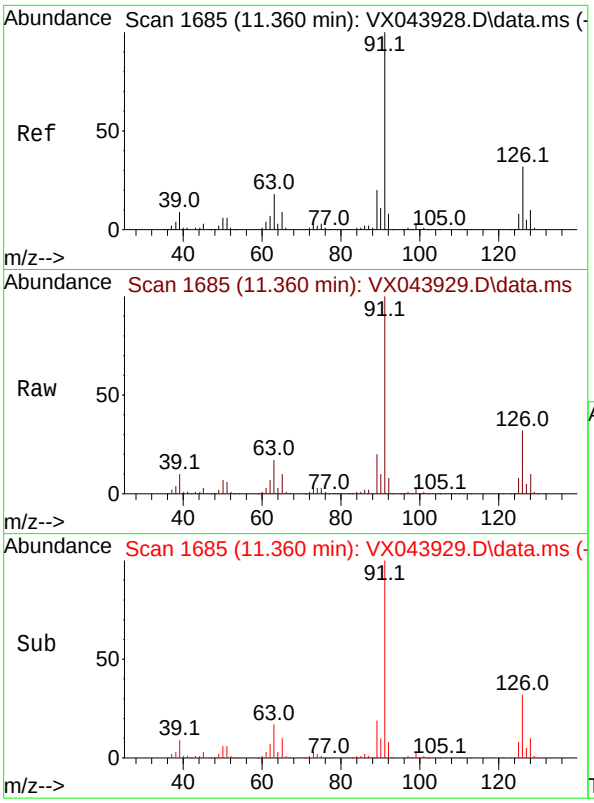




#78
n-propylbenzene
Concen: 99.846 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 891893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.4 |



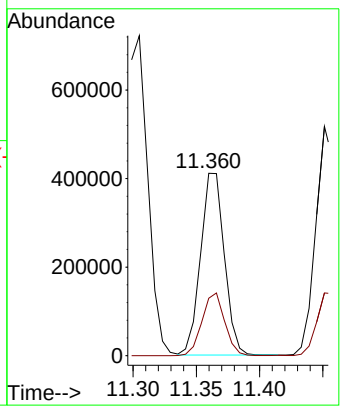


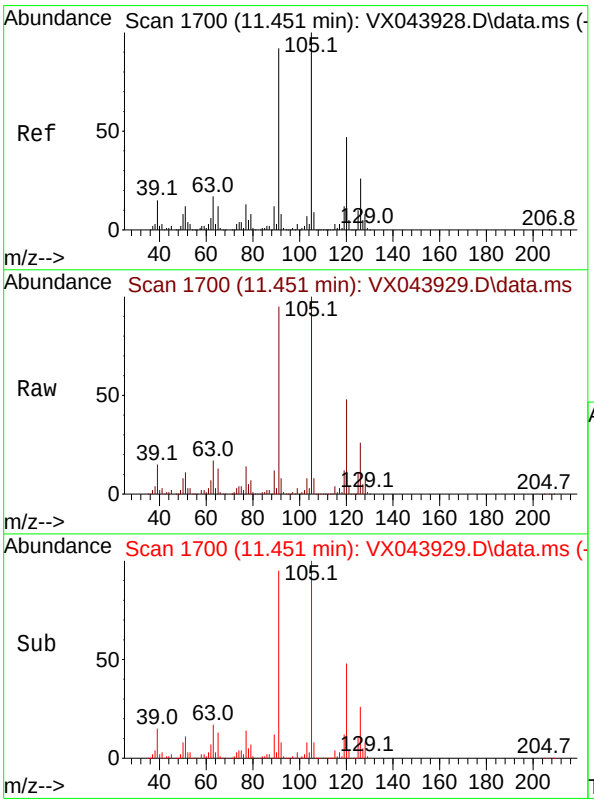

#79
2-Chlorotoluene
Concen: 95.103 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 537190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.6 | 49.8 |

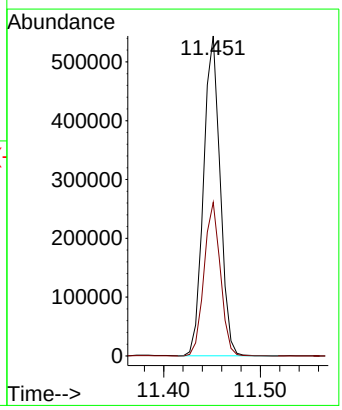


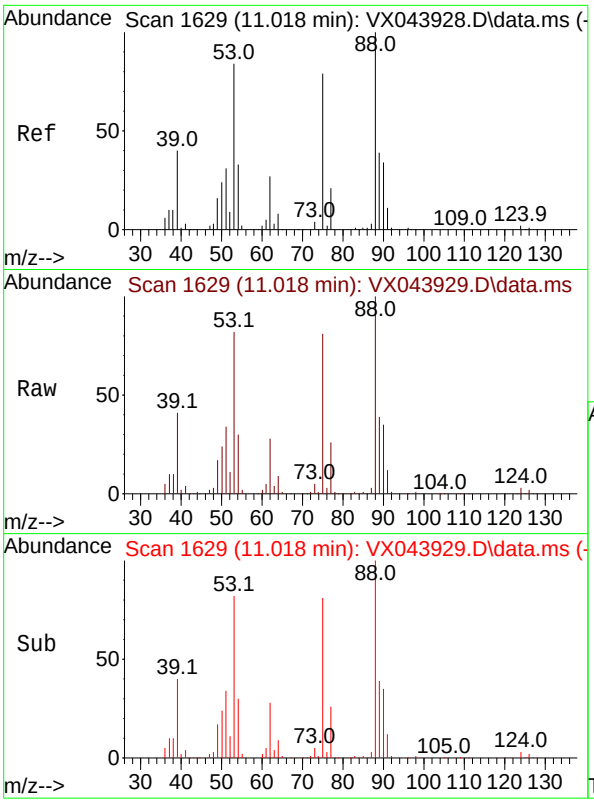




#80
1,3,5-Trimethylbenzene
Concen: 98.618 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.3 | 69.8 |



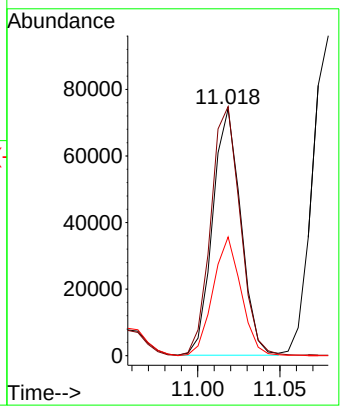


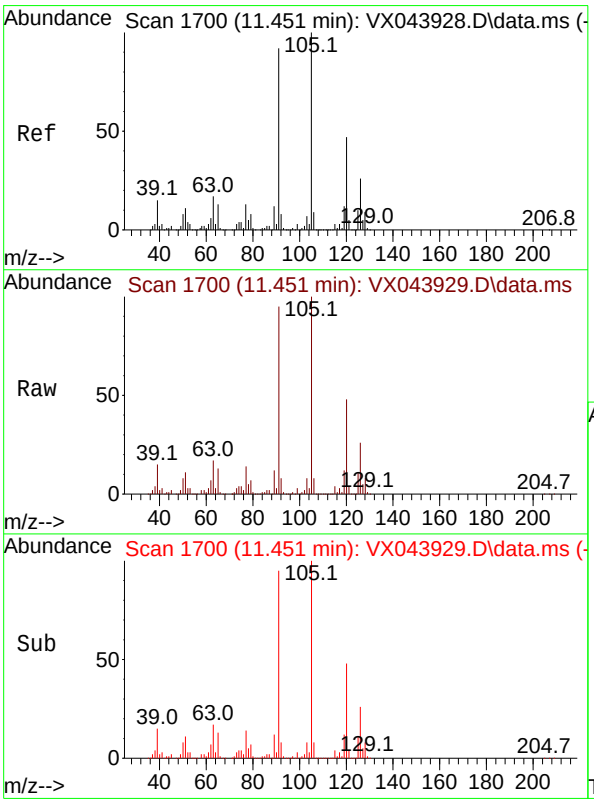

#81
trans-1,4-Dichloro-2-butene
Concen: 105.289 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 88041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 106.0 | 86.7 | 130.1 |
| 89 | 48.3 | 38.2 | 57.2 |

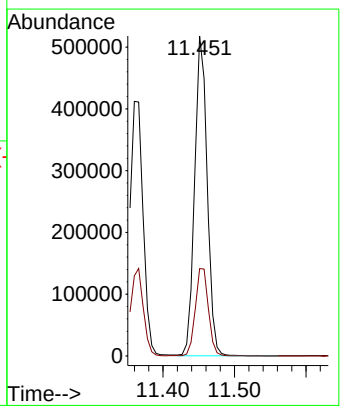


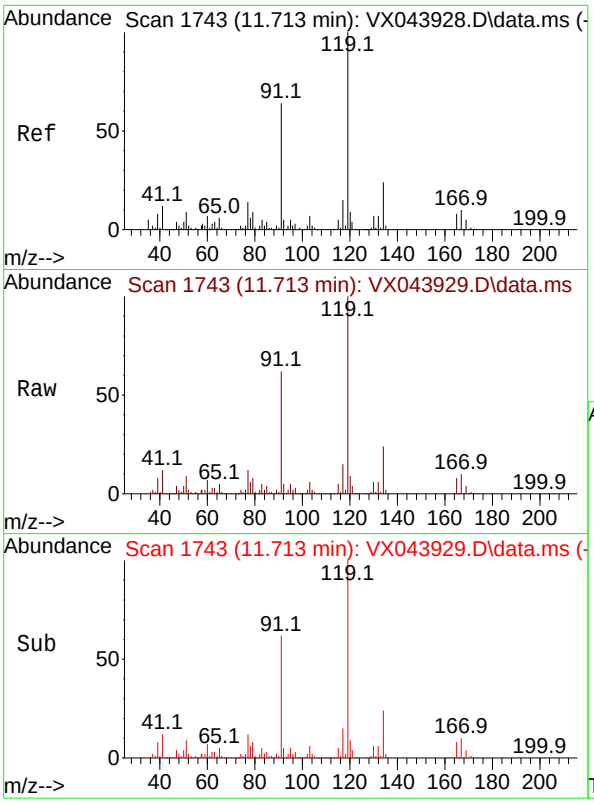




#82
4-Chlorotoluene
Concen: 98.728 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.3 | 42.9 |



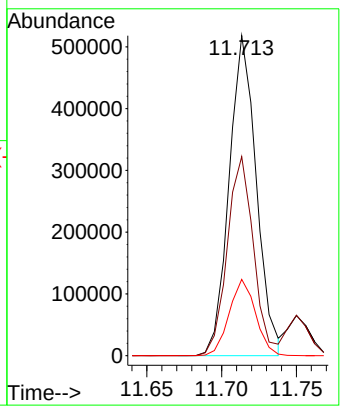


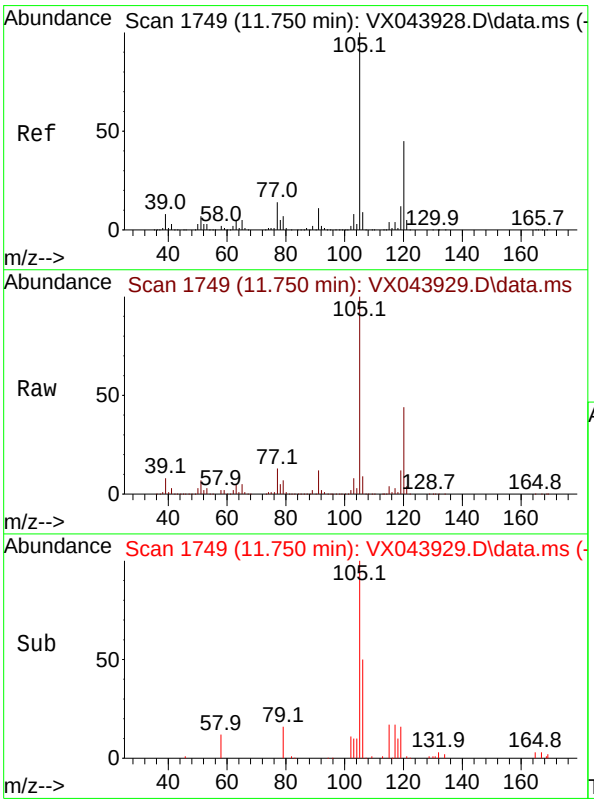

#83
tert-Butylbenzene
Concen: 100.570 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 655918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.2 | 31.0 | 93.0 |
| 134 | 23.1 | 11.6 | 34.8 |

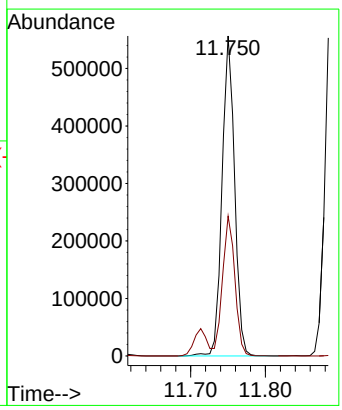


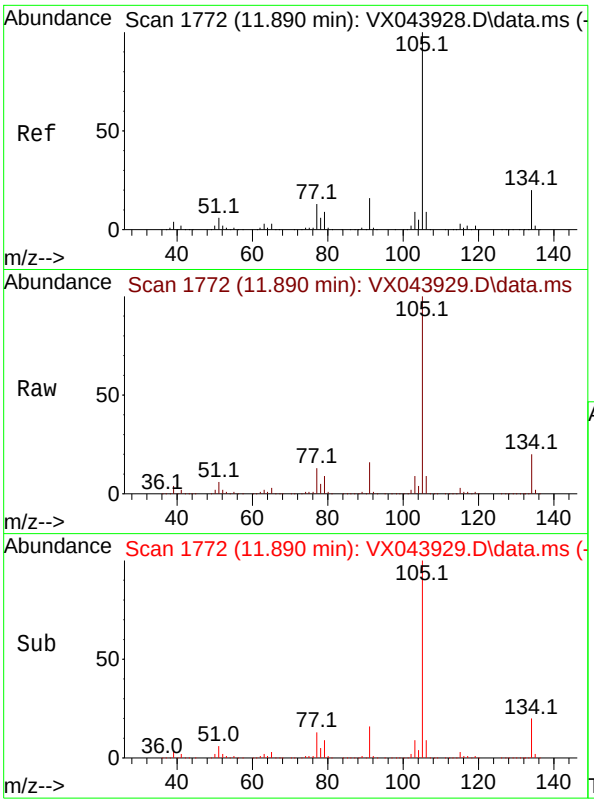




#84
1,2,4-Trimethylbenzene
Concen: 99.244 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 650156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 21.9 | 65.7 |



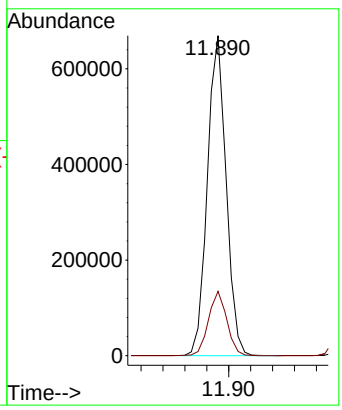


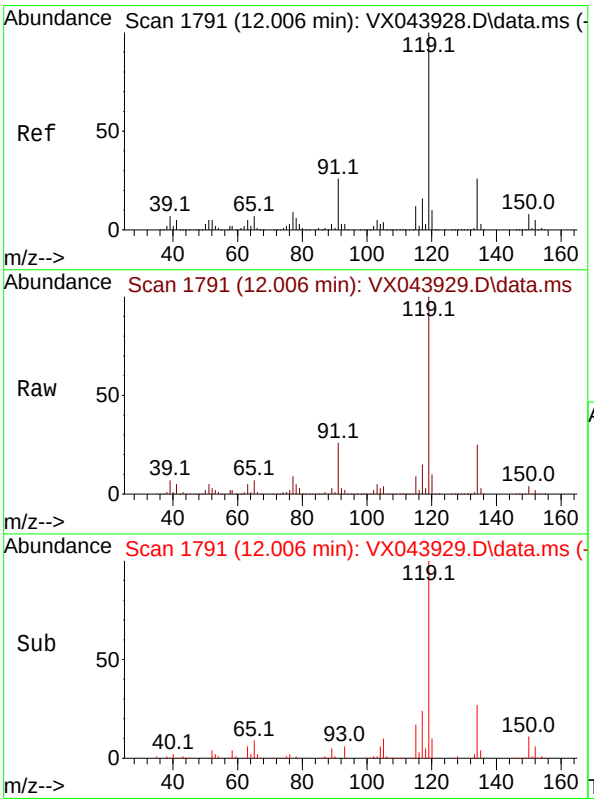

#85
sec-Butylbenzene
Concen: 99.267 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 793233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.7 | 29.1 |

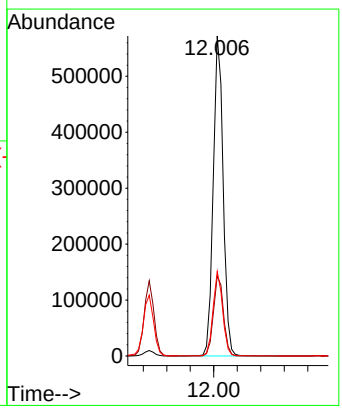


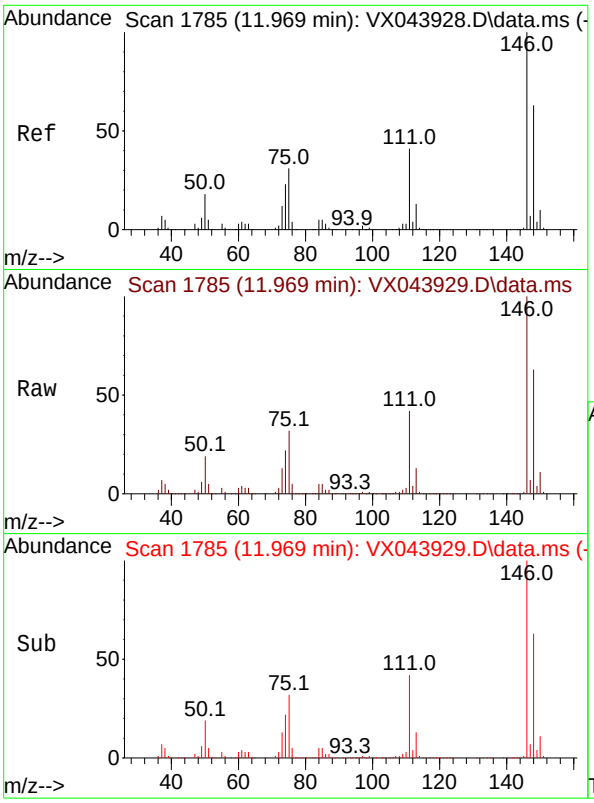




#86
p-Isopropyltoluene
Concen: 103.194 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:119 Resp: 669819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 13.0 | 38.9 |
| 91 | 25.4 | 13.0 | 38.9 |



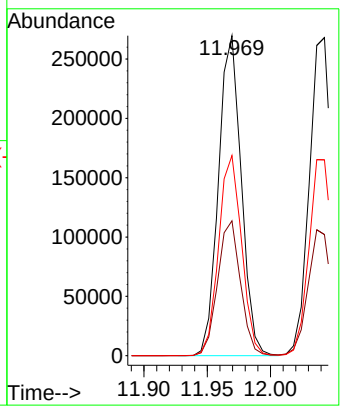


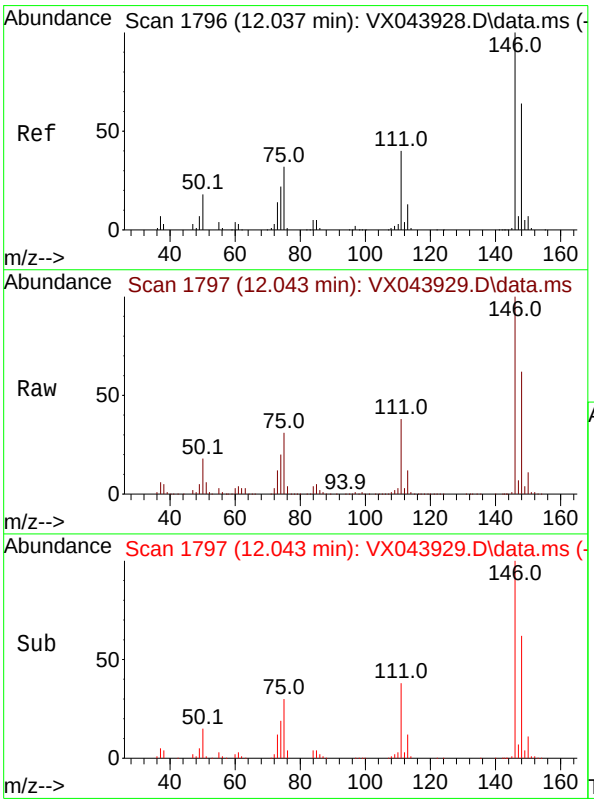

#87
1,3-Dichlorobenzene
Concen: 97.171 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 337665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.3 | 21.1 | 63.3 |
| 148 | 63.1 | 31.7 | 95.1 |

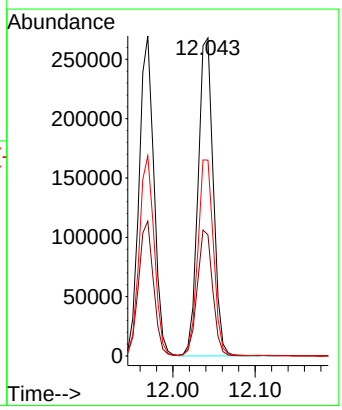


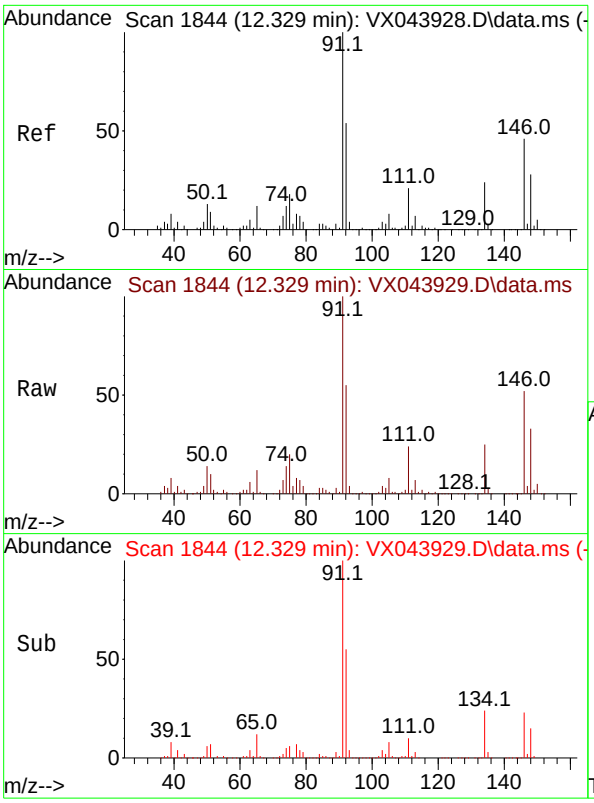




#88
1,4-Dichlorobenzene
Concen: 97.283 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.0 | 20.1 | 60.3 |
| 148 | 63.7 | 30.9 | 92.8 |



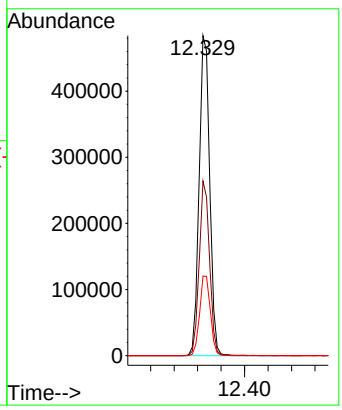


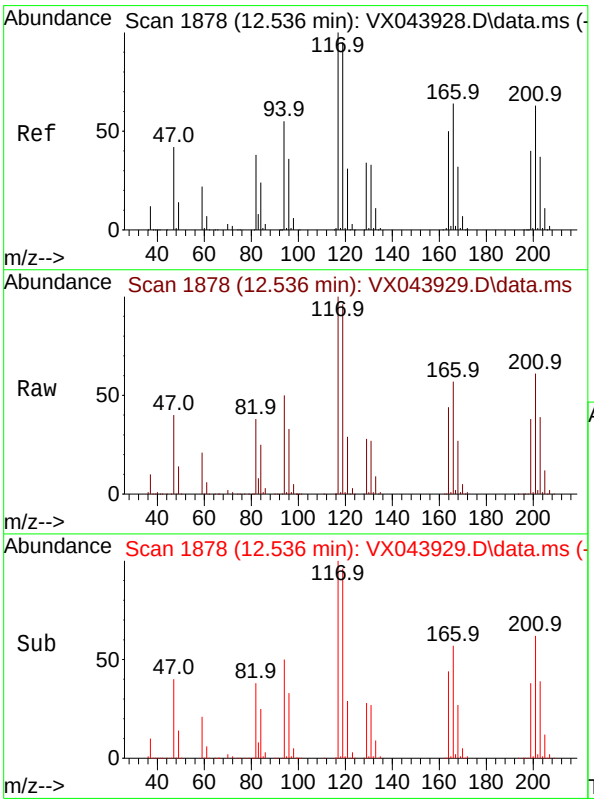

#89
n-Butylbenzene
Concen: 105.767 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 605284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.4 | 26.6 | 79.8 |
| 134 | 25.4 | 12.4 | 37.2 |

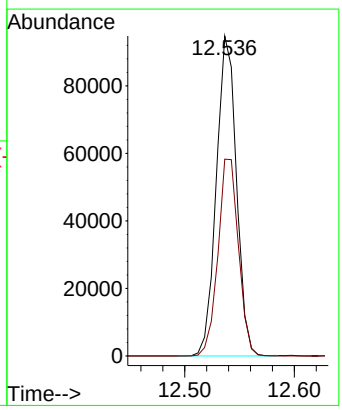


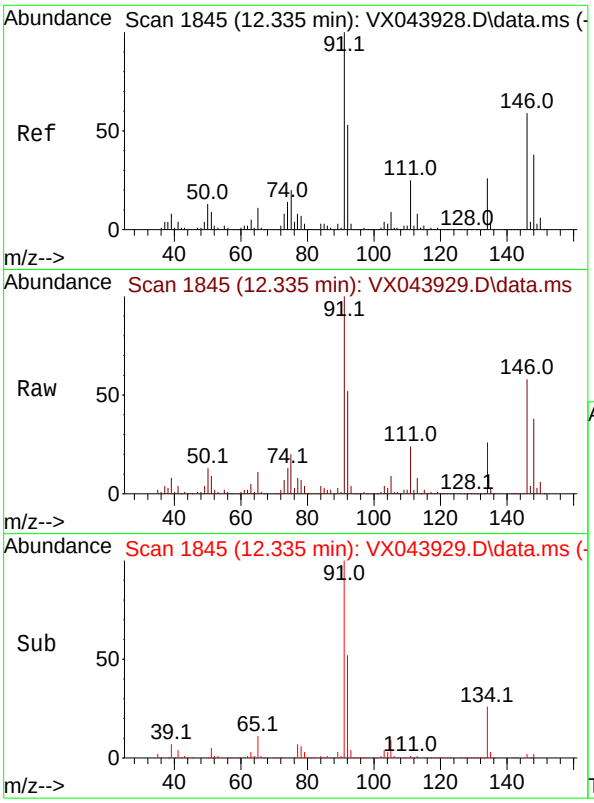




#90
Hexachloroethane
Concen: 109.549 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:117 Resp: 120913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.9 | 32.4 | 97.0 |



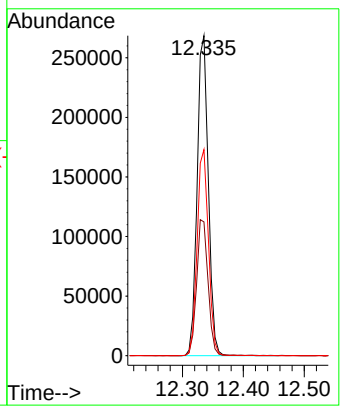


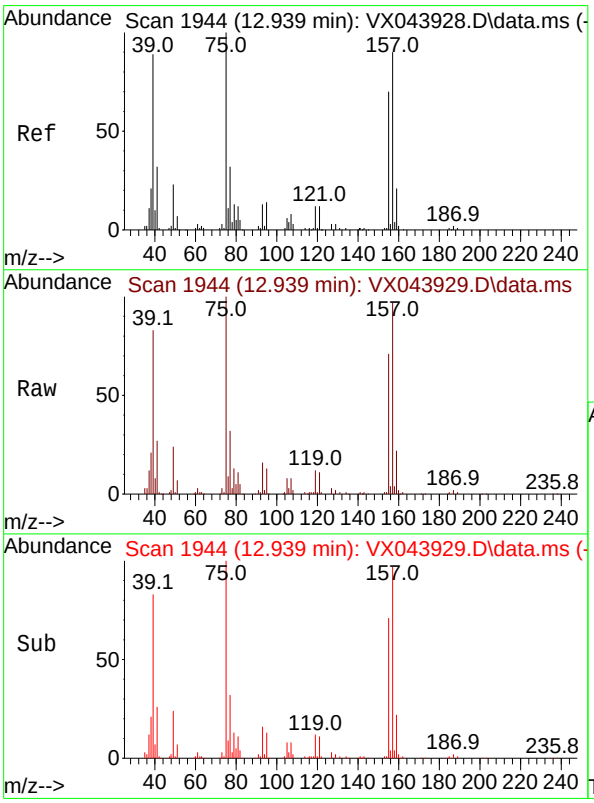

#91
1,2-Dichlorobenzene
Concen: 97.457 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 341767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.5 | 64.5 |
| 148 | 65.0 | 31.9 | 95.5 |

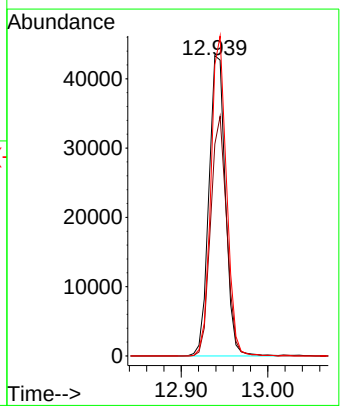


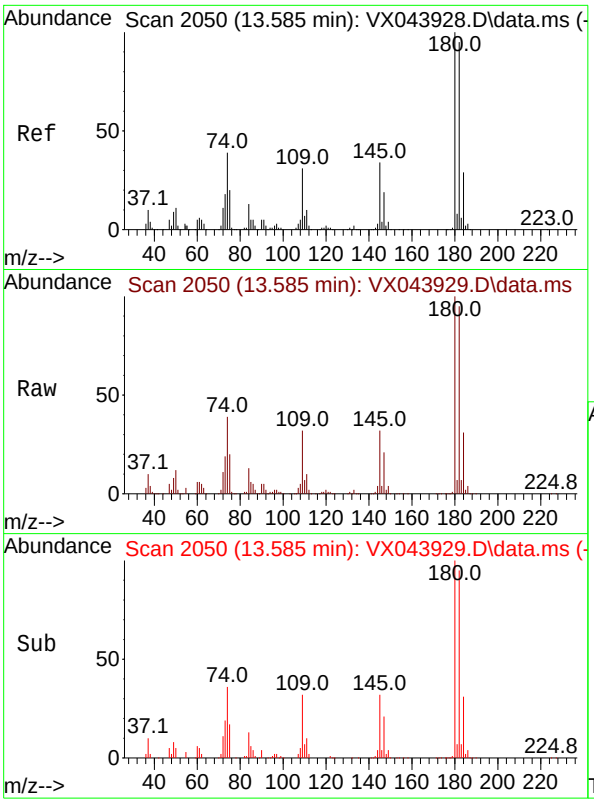




#92
1,2-Dibromo-3-Chloropropane
Concen: 104.396 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.8 | 40.1 | 120.2 |
| 157 | 100.9 | 49.6 | 149.0 |



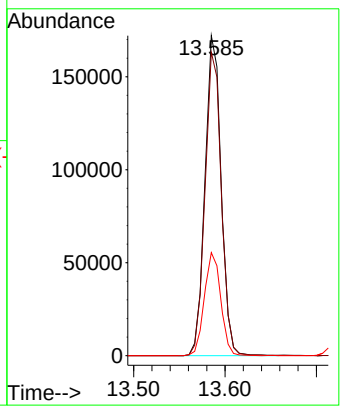


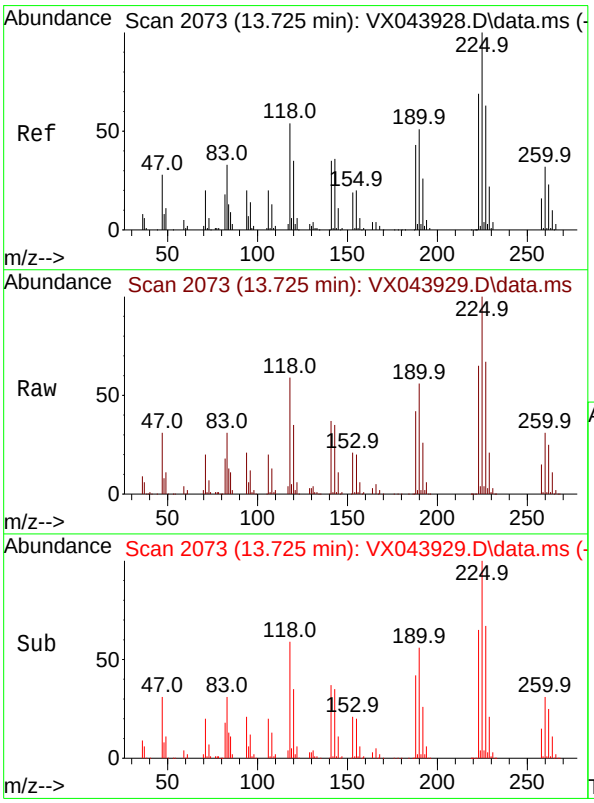

#93
1,2,4-Trichlorobenzene
Concen: 101.849 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 210571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.6 | 48.0 | 144.2 |
| 145 | 32.8 | 16.8 | 50.4 |

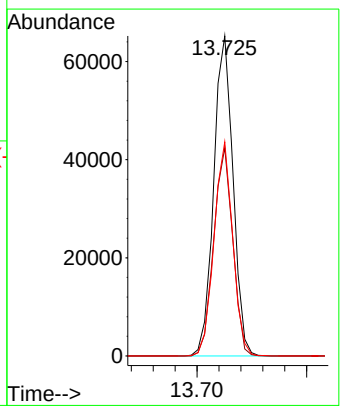


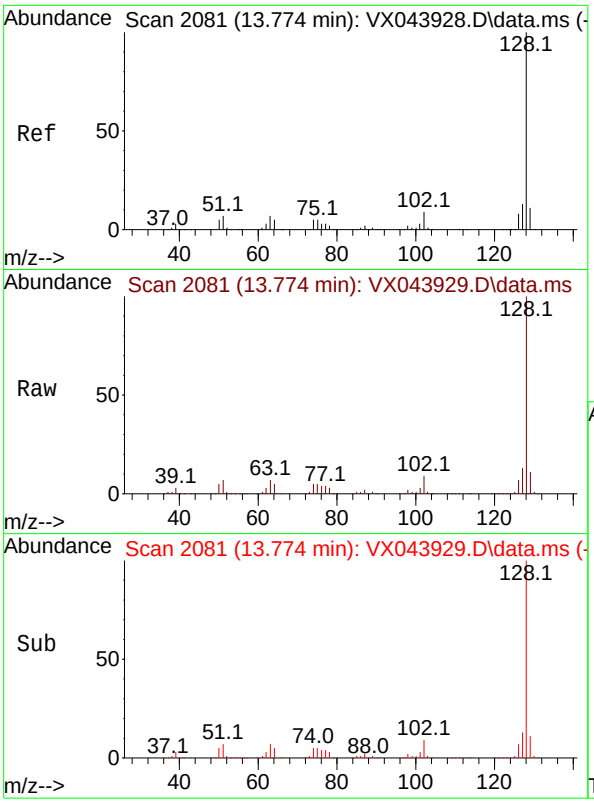




#94
Hexachlorobutadiene
Concen: 97.688 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:225 Resp: 79822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 32.9 | 98.6 |
| 227 | 65.0 | 31.6 | 94.8 |



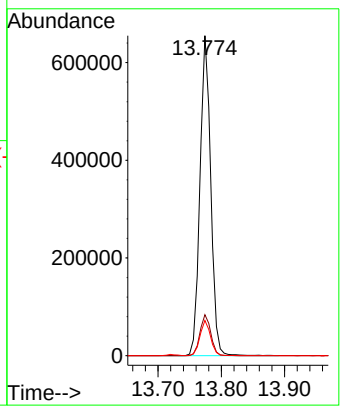


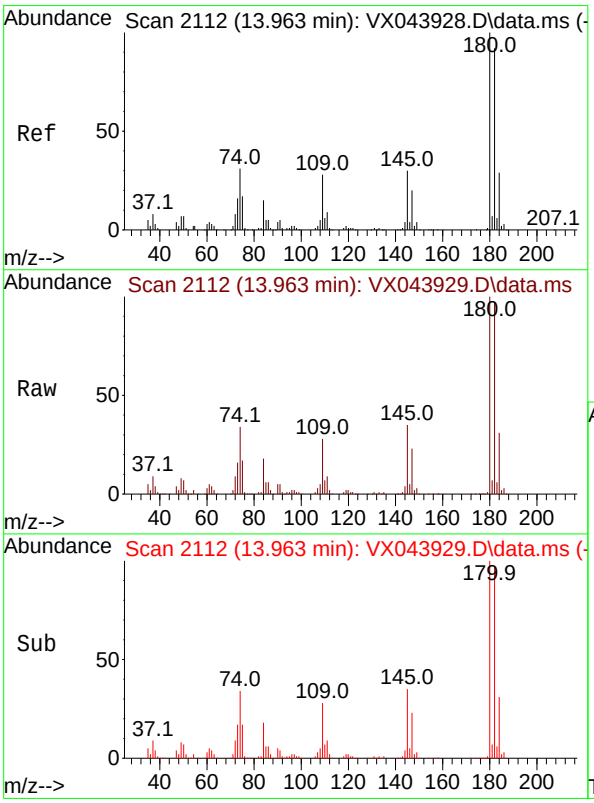

#95
Naphthalene
Concen: 104.367 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 776740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |

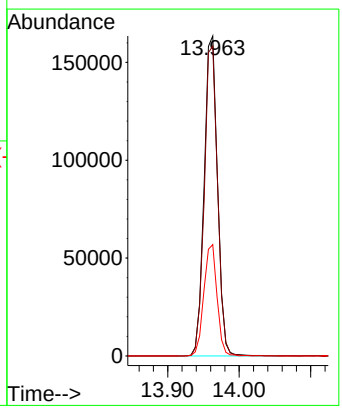



#96
1,2,3-Trichlorobenzene
Concen: 101.219 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043929.D
Acq: 21 Nov 2024 11:40

Tgt Ion:180 Resp: 211814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.8 | 45.6 | 136.8 |
| 145 | 34.6 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.550 | 168 | 132286 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 237642 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 203280 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 96376 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 349080 | 153.852 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 307.700%# | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 268135 | 157.906 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 315.820%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 896413 | 153.143 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 306.280%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 324612 | 162.951 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 325.900%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 241389 | 144.040 | ug/l | 99 |
| 3) Chloromethane | 1.294 | 50 | 268770 | 152.406 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 271568 | 144.779 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 175581 | 152.160 | ug/l | 99 |
| 6) Chloroethane | 1.660 | 64 | 140375 | 122.817 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.861 | 101 | 527057 | 157.163 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 185146 | 151.473 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 237653 | 148.564 | ug/l | 99 |
| 10) Methyl Iodide | 2.440 | 142 | 299792 | 150.056 | ug/l | 99 |
| 11) Tert butyl alcohol | 3.014 | 59 | 306168 | 840.696 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 228504 | 149.905 | ug/l | 99 |
| 13) Acrolein | 2.239 | 56 | 294638 | 767.557 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 394228 | 158.278 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 684169 | 770.903 | ug/l | 99 |
| 16) Acetone | 2.392 | 43 | 734161 | 704.500 | ug/l | 99 |
| 17) Carbon Disulfide | 2.501 | 76 | 554853 | 176.465 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 361338 | 148.895 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 869848 | 157.161 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 260099 | 147.078 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 245485 | 155.985 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 835960 | 156.960 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 3797951 | 833.608 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 479590 | 156.091 | ug/l | 99 |
| 25) 2-Butanone | 4.568 | 43 | 1012692 | 753.134 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 440061 | 158.591 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 304342 | 156.447 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 207753 | 153.614 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 617277 | 748.806 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 513285 | 155.325 | ug/l | 96 |
| 31) Cyclohexane | 5.458 | 56 | 367157 | 145.191 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 455922 | 159.987 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 331239 | 156.540 | ug/l | 97 |
| 37) Ethyl Acetate | 4.721 | 43 | 393670 | 149.876 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 376287 | 158.262 | ug/l | 99 |
| 39) Methylcyclohexane | 7.372 | 83 | 410333 | 149.269 | ug/l | 97 |
| 40) Benzene | 6.031 | 78 | 999210 | 151.598 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 206026 | 153.252 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 397508 | 150.163 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 661839 | 158.329 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 251071 | 134.559 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 249394 | 154.486 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 202329 | 158.440 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 388259 | 169.524 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.690 | 41 | 315872 | 157.479 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 106634 | 3083.461 | ug/l | | 91 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 1954925 | 766.353 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 607179 | 153.910 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 406346 | 173.984 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 428549 | 167.379 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 245706 | 150.879 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 420409 | 165.742 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 416811 | 151.939 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 1023576 | 753.191 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 1493755 | 779.070 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 286188 | 175.154 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 261369 | 158.727 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.268 | 164 | 202262 | 150.897 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 675513 | 151.304 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 241604 | 166.861 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 1181693 | 156.200 | ug/l | | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 884067 | 313.360 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 436919 | 158.616 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 742061 | 162.878 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 186691 | 150.272 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.963 | 105 | 1135309 | 153.248 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 586560 | 170.913 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 379947 | 149.781 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 436650 | 210.095 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 270671 | 153.159 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 1296979 | 156.752 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 788163 | 150.642 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 936129 | 153.592 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 136104 | 175.724 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 919566 | 155.679 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 945058 | 156.438 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 933275 | 153.802 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 1148877 | 155.218 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 972007 | 161.670 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 490336 | 152.338 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 494318 | 151.224 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 903805 | 170.502 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 180575 | 176.628 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 503214 | 154.918 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 87963 | 173.059 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 325289 | 169.860 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 121126 | 160.037 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 1173154 | 170.179 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 326693 | 168.544 | ug/l | | 95 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration

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

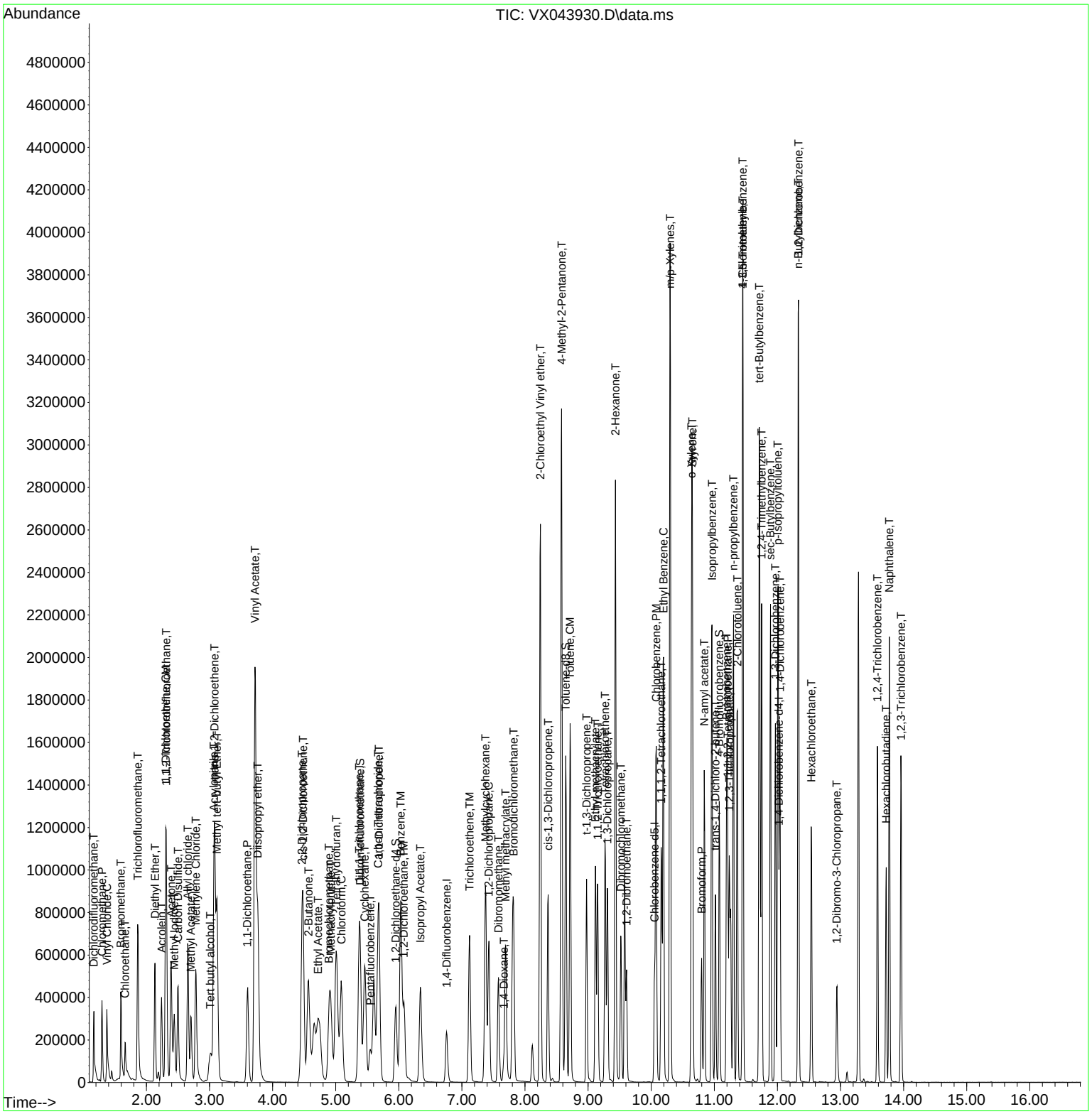
(#) = qualifier out of range (m) = manual integration (+) = signals summed

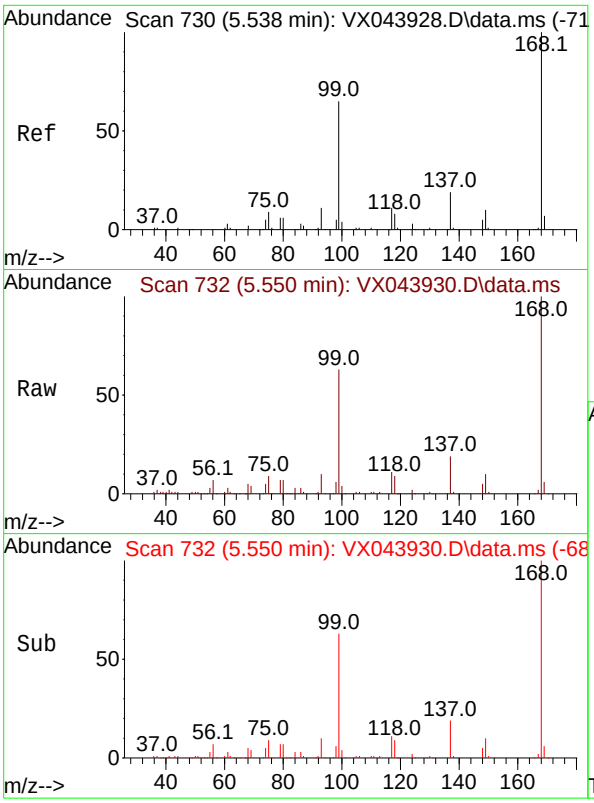
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043930.D
Acq On : 21 Nov 2024 12:03
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Nov 22 03:32:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:25:42 2024
Response via : Initial Calibration



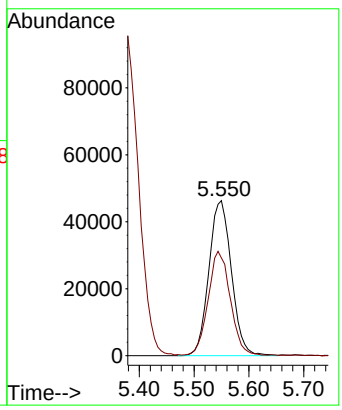


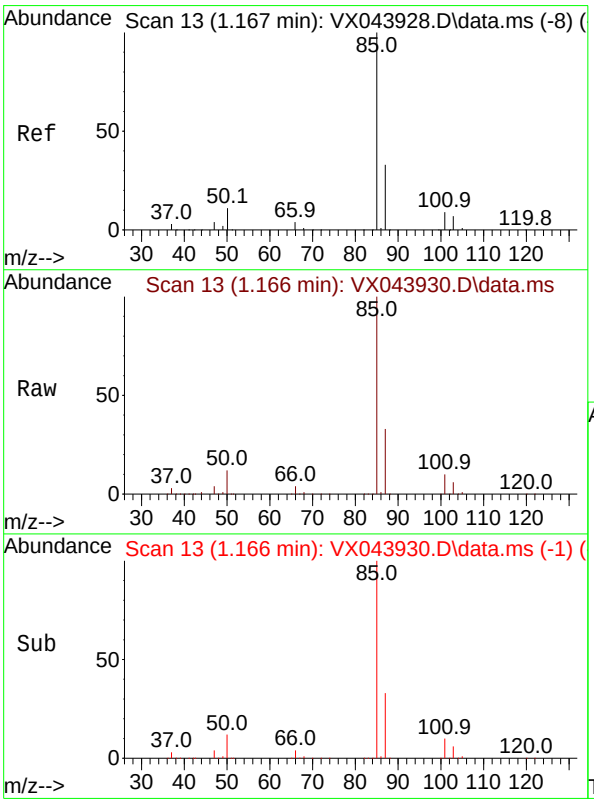

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 132286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 51.8 | 77.8 |

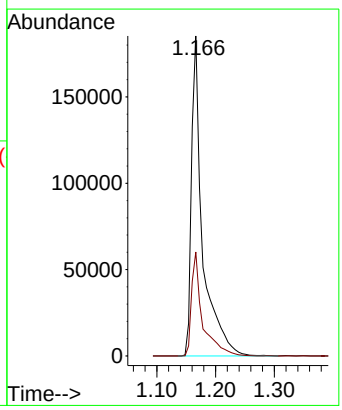


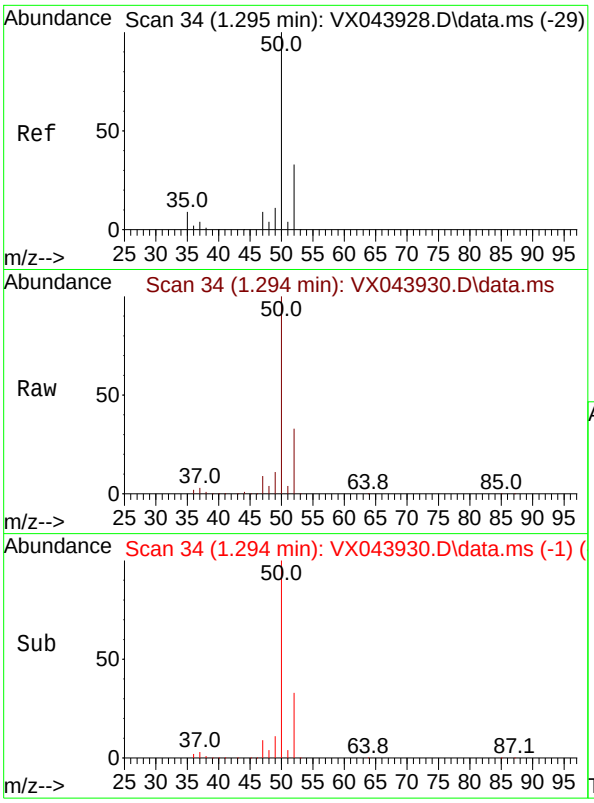




#2
Dichlorodifluoromethane
Concen: 144.040 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.5 | 16.6 | 49.8 |



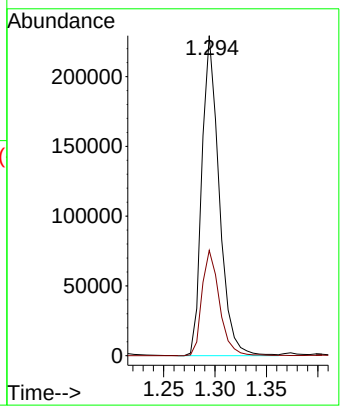


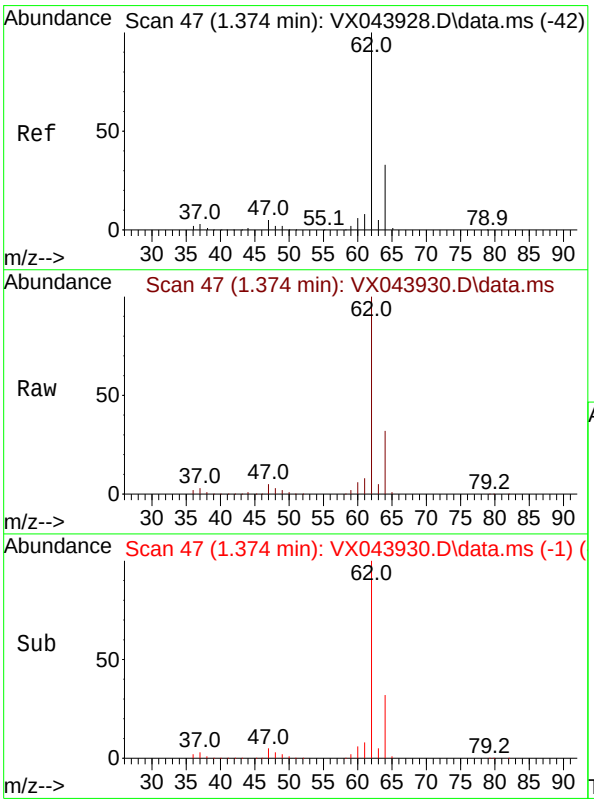

#3
Chloromethane
Concen: 152.406 ug/l
RT: 1.294 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 268770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.9 | 26.1 | 39.1 |

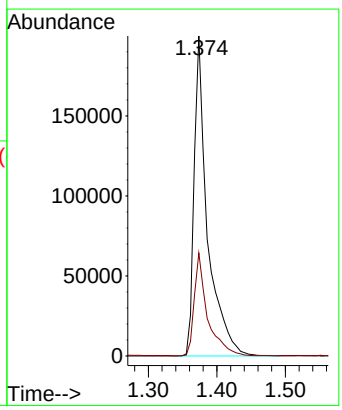


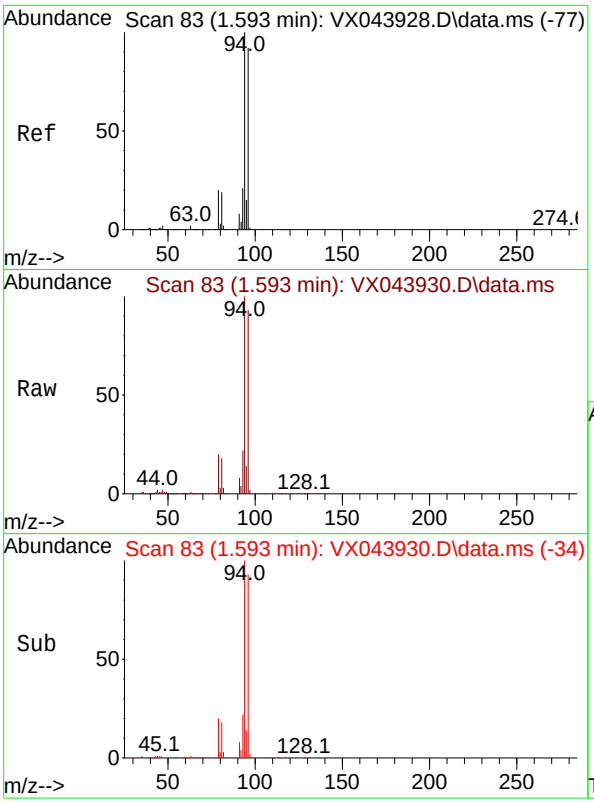




#4
Vinyl Chloride
Concen: 144.779 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.2 | 39.4 |



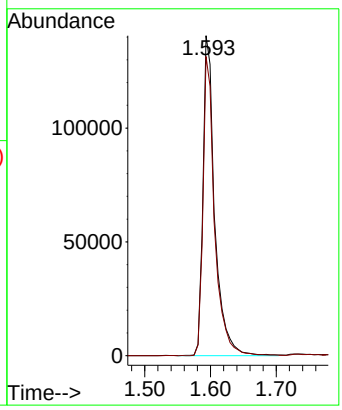


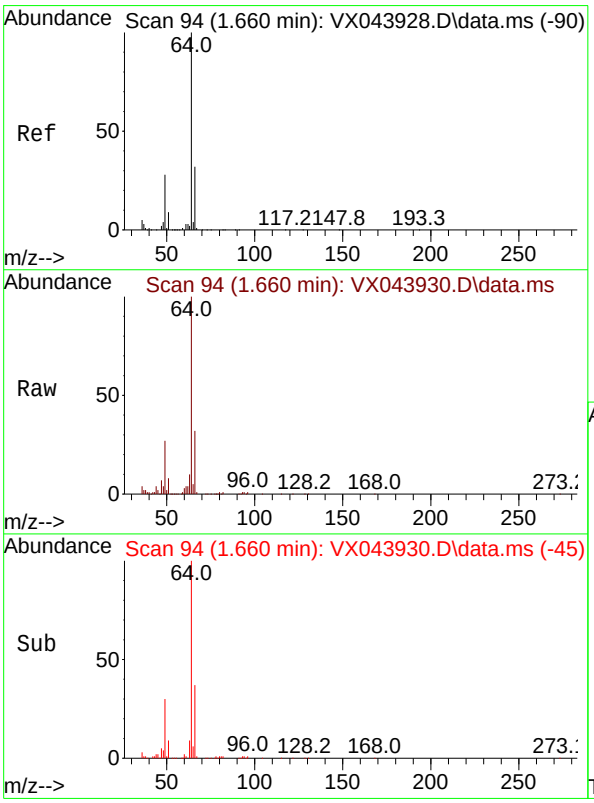

#5
Bromomethane
Concen: 152.160 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 175581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.5 | 73.9 | 110.9 |

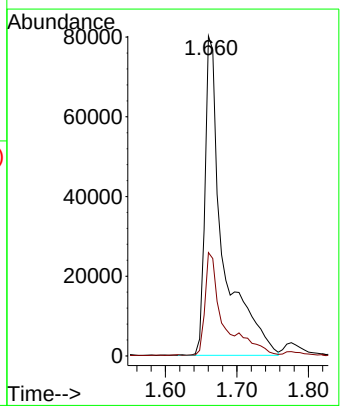


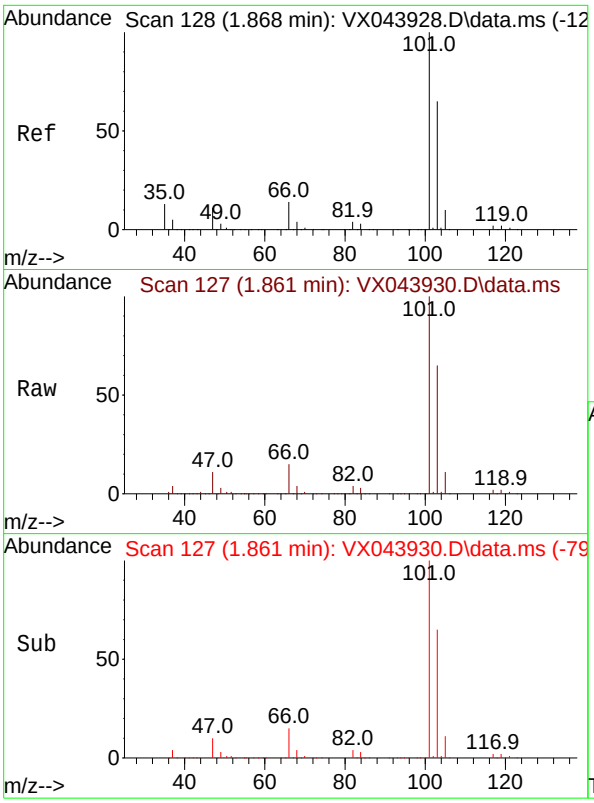




#6
Chloroethane
Concen: 122.817 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 64 Resp: 140375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.0 | 25.9 | 38.9 |



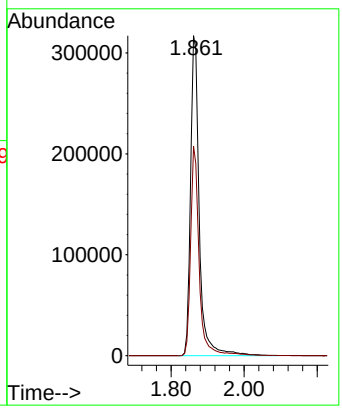


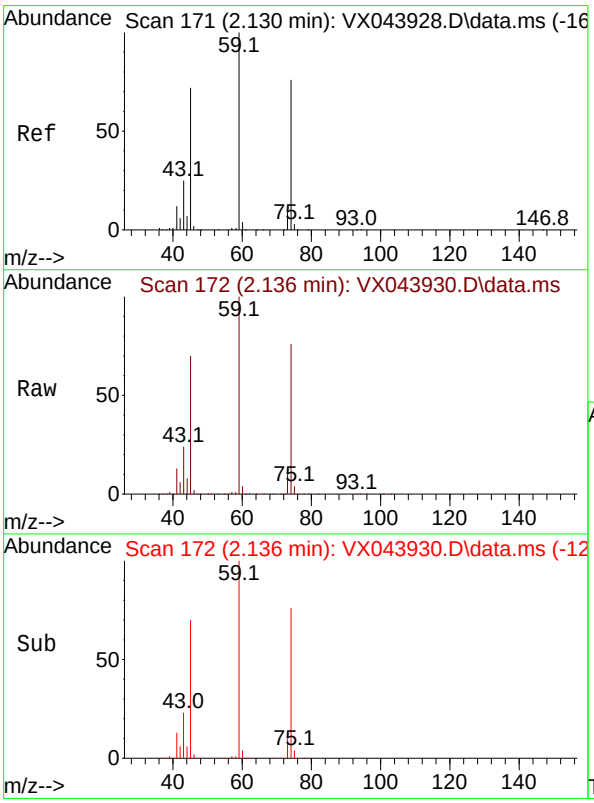

#7
Trichlorofluoromethane
Concen: 157.163 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 527057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 52.2 | 78.2 |

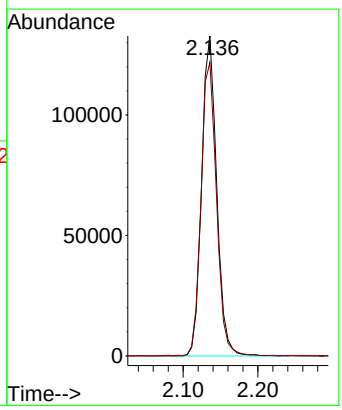


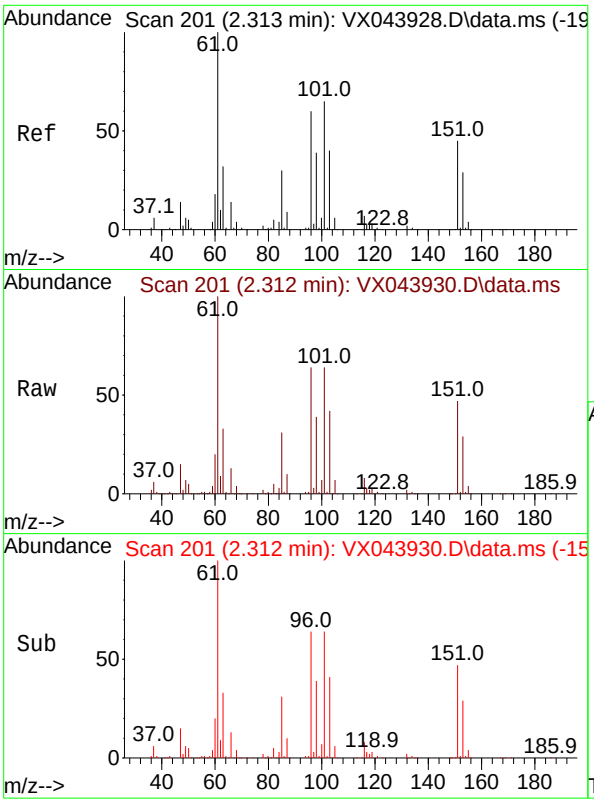




#8
Diethyl Ether
Concen: 151.473 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 94.1 | 47.9 | 143.6 |



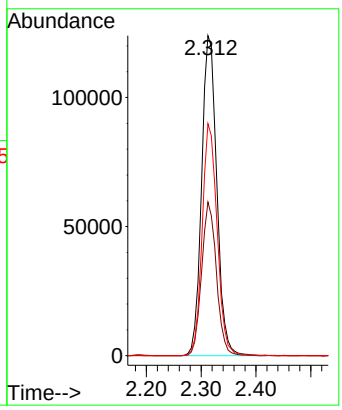


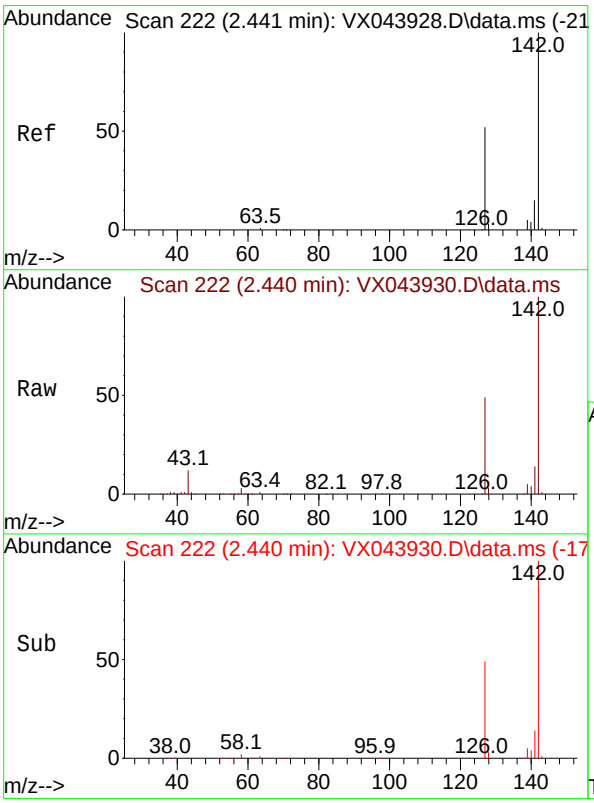

#9
1,1,2-Trichlorotrifluoroethane
Concen: 148.564 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 237653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.8 | 37.9 | 56.9 |
| 151 | 71.3 | 57.5 | 86.3 |

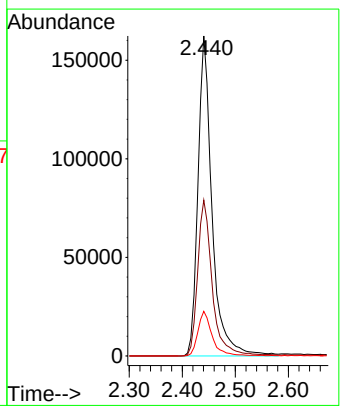


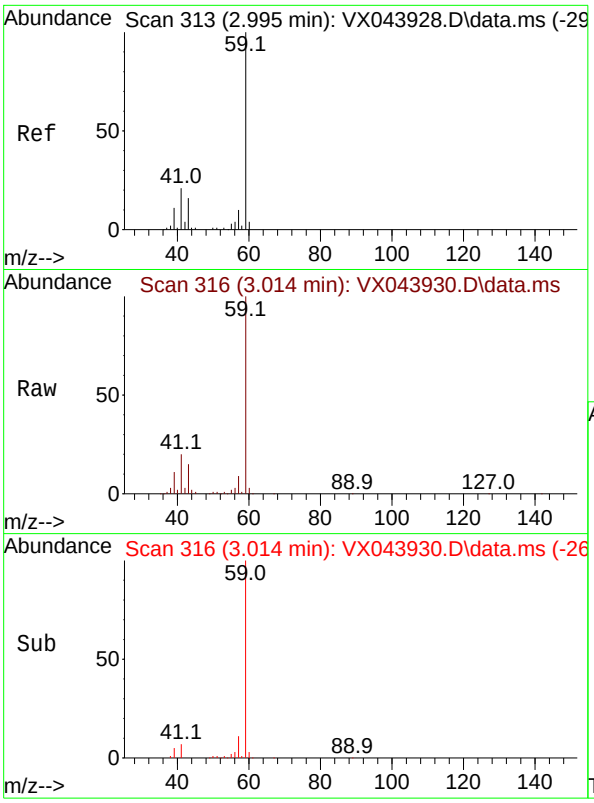




#10
Methyl Iodide
Concen: 150.056 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.1 | 40.7 | 61.1 |
| 141 | 14.2 | 12.0 | 18.0 |



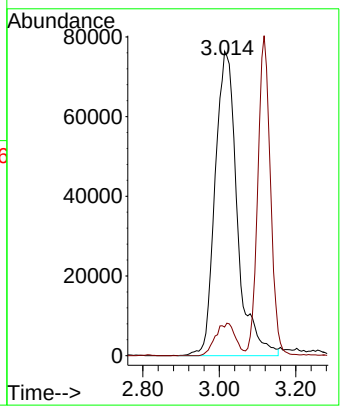


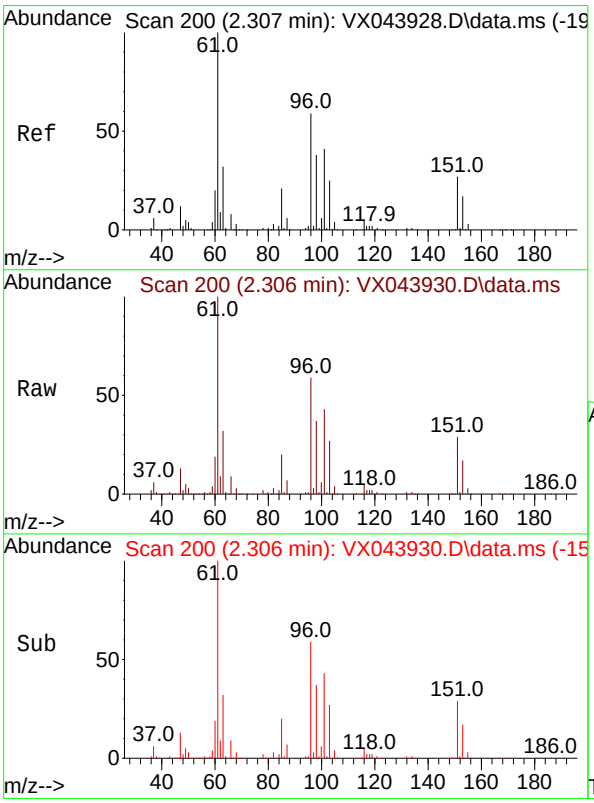

#11
Tert butyl alcohol
Concen: 840.696 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 306168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.8 | 7.9 | 11.9 |

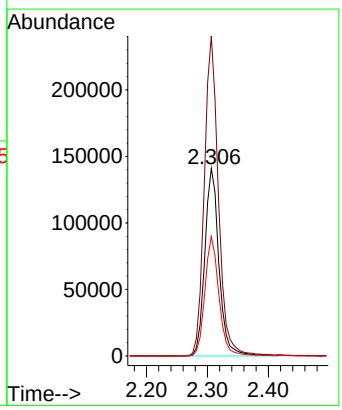


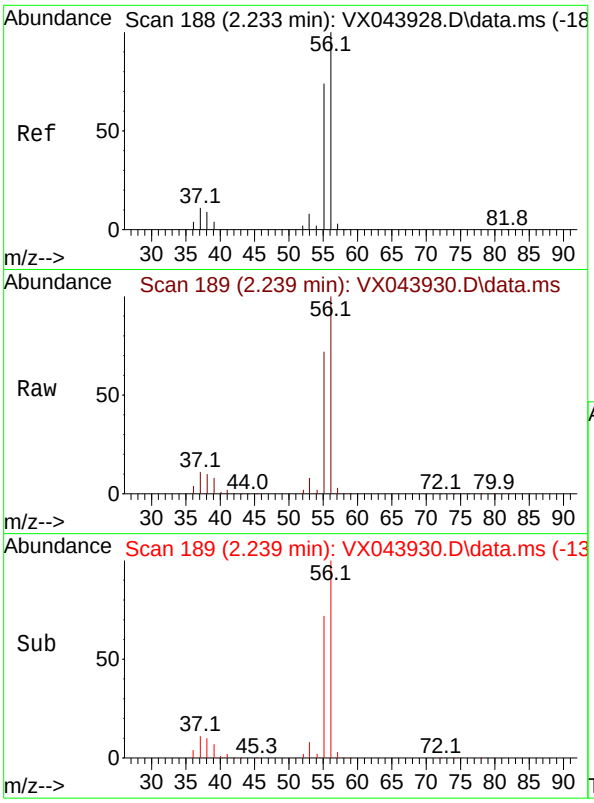




#12
1,1-Dichloroethene
Concen: 149.905 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 96 Resp: 228504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.7 | 135.5 | 203.3 |
| 98 | 63.7 | 50.8 | 76.2 |



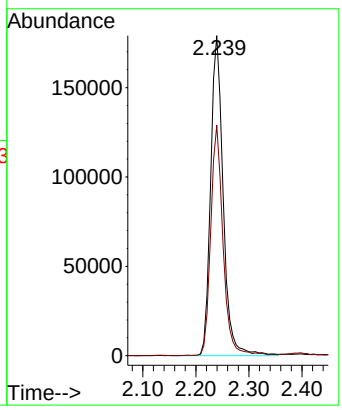


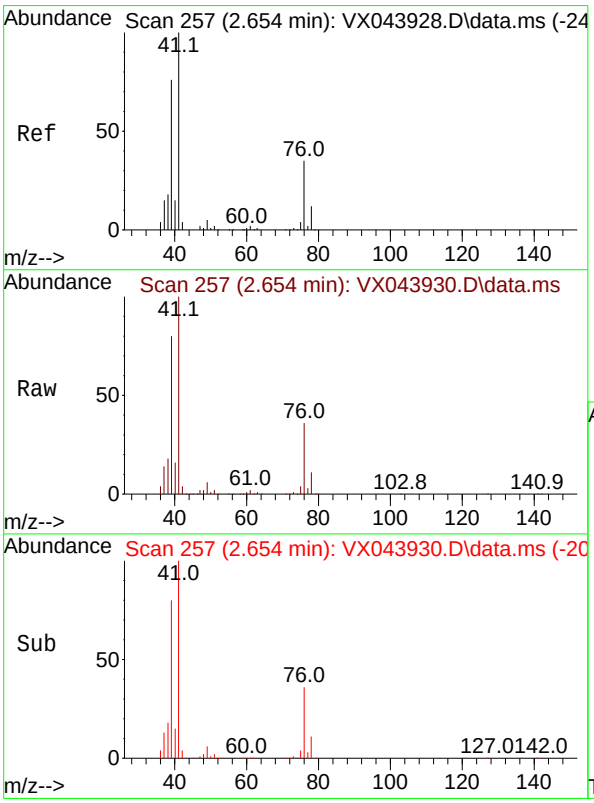

#13
Acrolein
Concen: 767.557 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 294638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.1 | 58.2 | 87.2 |

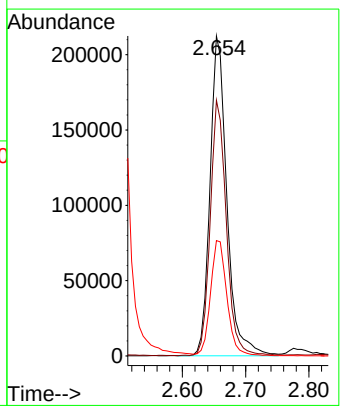


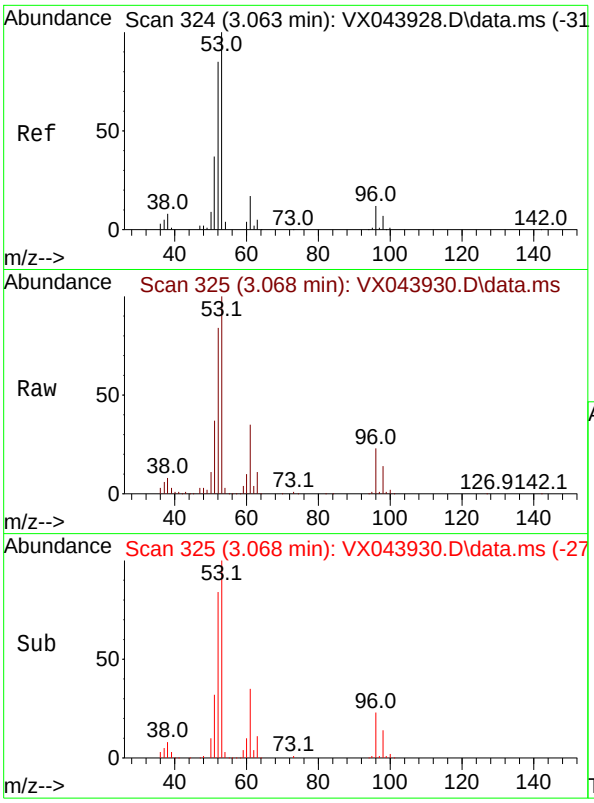




#14
Allyl chloride
Concen: 158.278 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.1 | 59.5 | 89.3 |
| 76 | 35.2 | 27.4 | 41.2 |



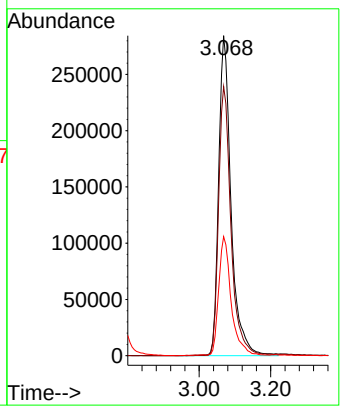


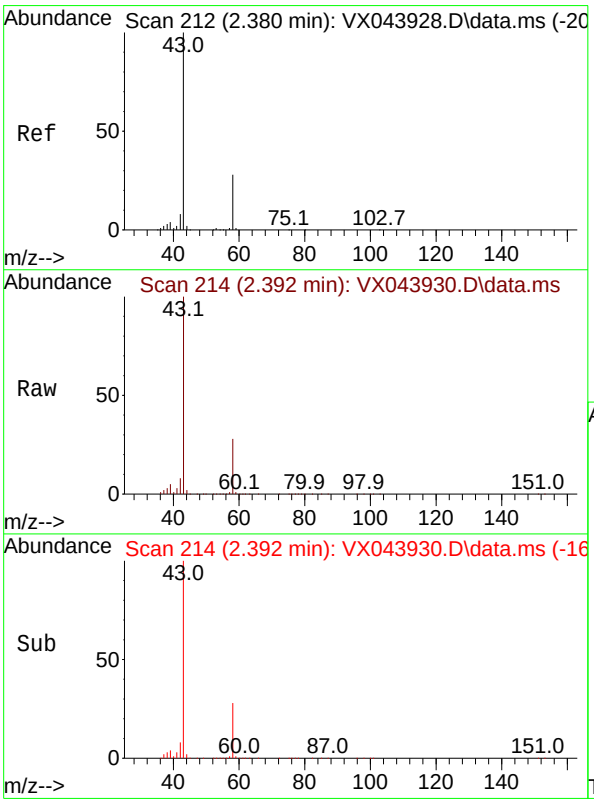

#15
Acrylonitrile
Concen: 770.903 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 684169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.9 | 66.5 | 99.7 |
| 51 | 37.1 | 30.2 | 45.4 |

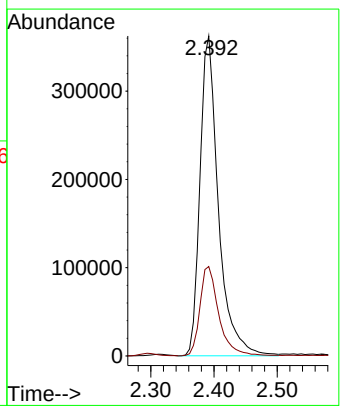


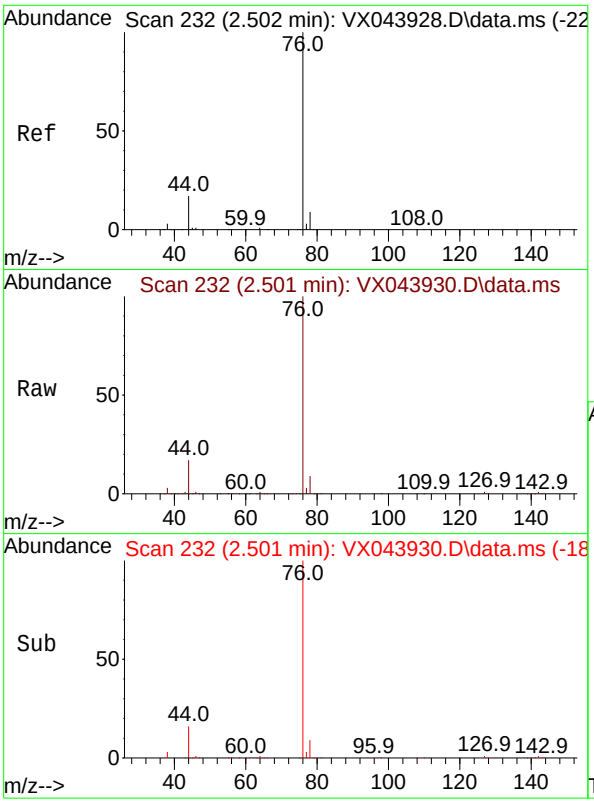




#16
Acetone
Concen: 704.500 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 734161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 22.7 | 34.1 |



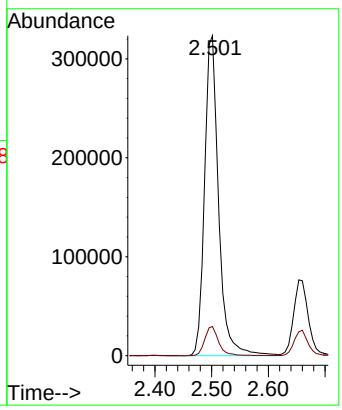


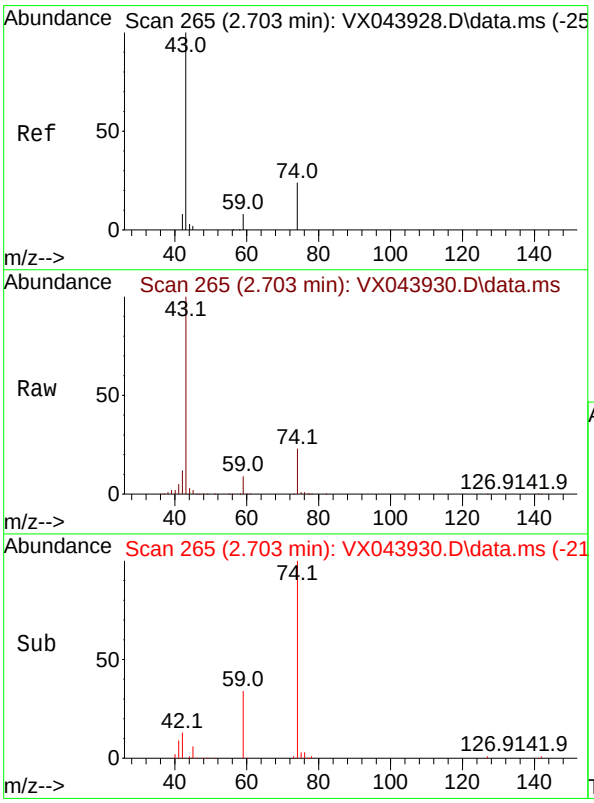

#17
Carbon Disulfide
Concen: 176.465 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 554853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 7.0 | 10.6 |

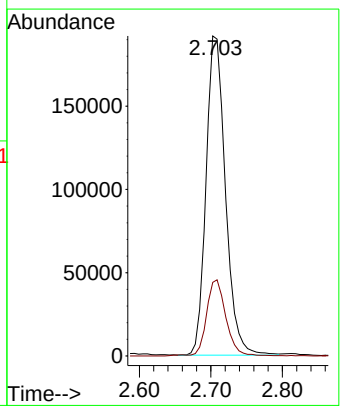


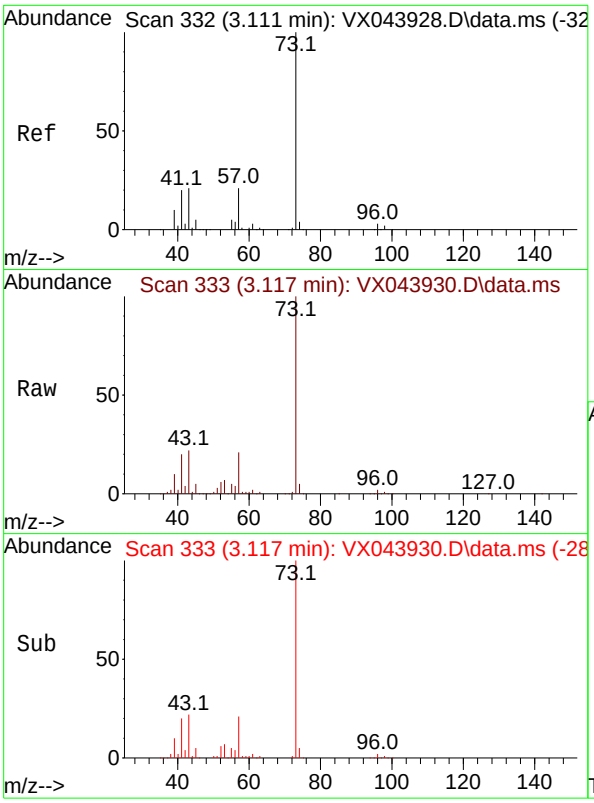




#18
Methyl Acetate
Concen: 148.895 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.0 | 18.9 | 28.3 |



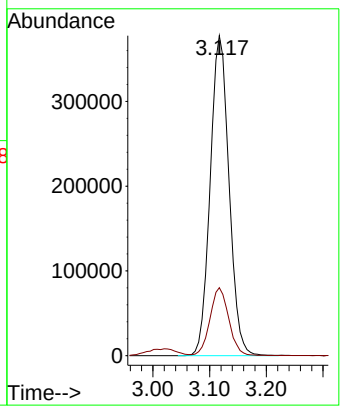


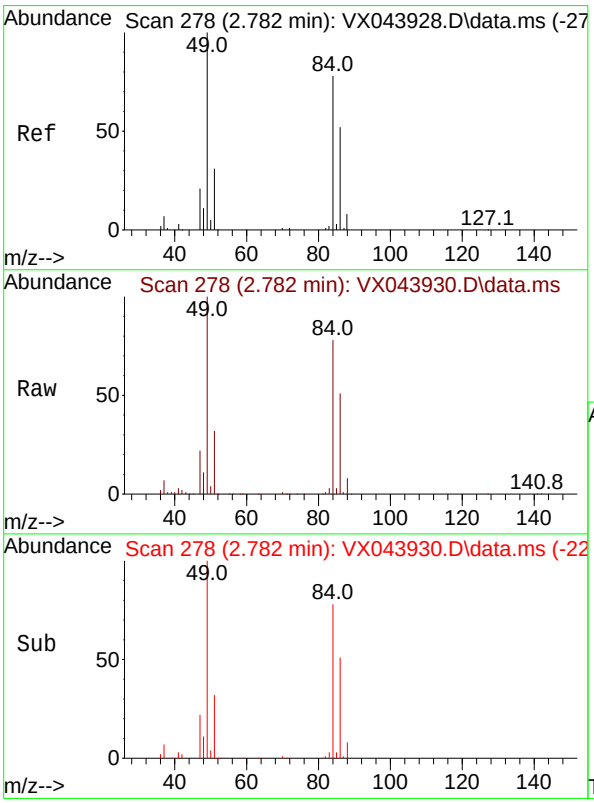

#19
Methyl tert-butyl Ether
Concen: 157.161 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 869848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.0 | 25.6 |

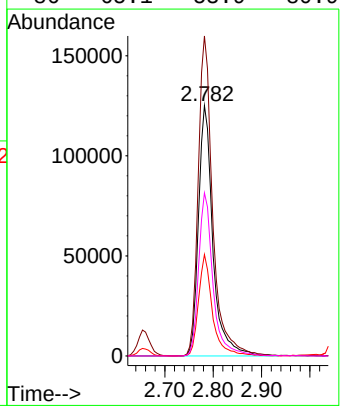


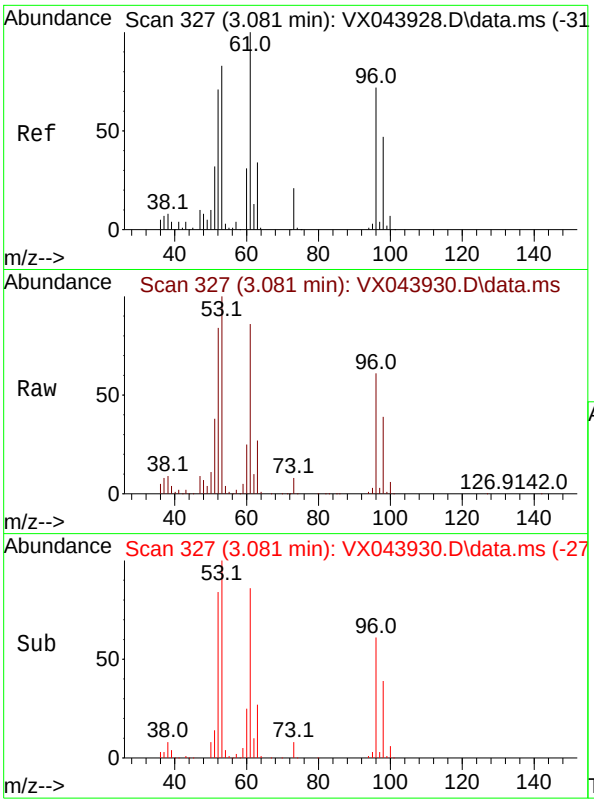




#20
Methylene Chloride
Concen: 147.078 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.7 | 102.7 | 154.1 |
| 51 | 40.5 | 31.7 | 47.5 |
| 86 | 65.1 | 53.9 | 80.9 |



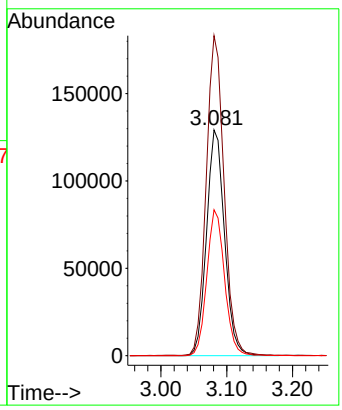


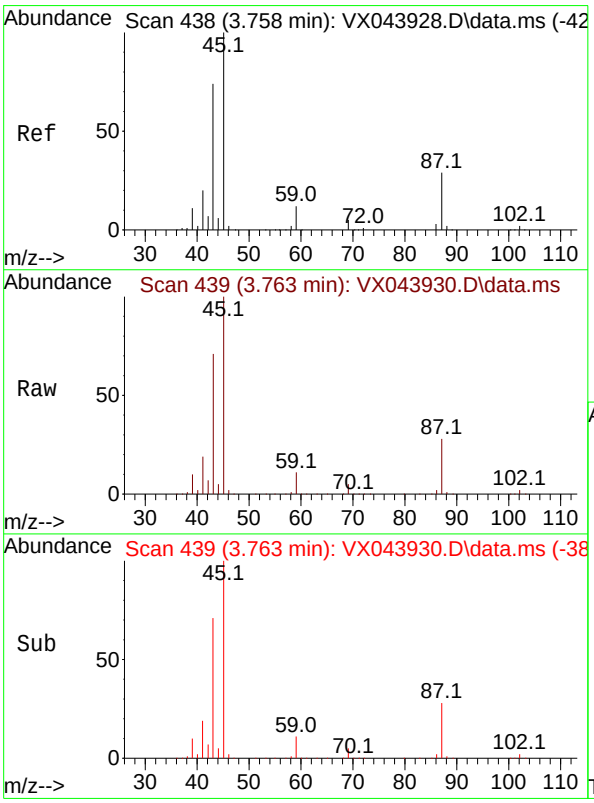

#21
trans-1,2-Dichloroethene
Concen: 155.985 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 245485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.6 | 111.8 | 167.6 |
| 98 | 64.6 | 52.7 | 79.1 |

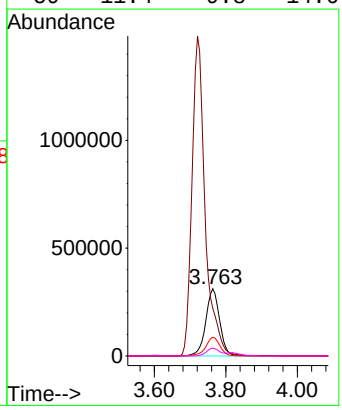


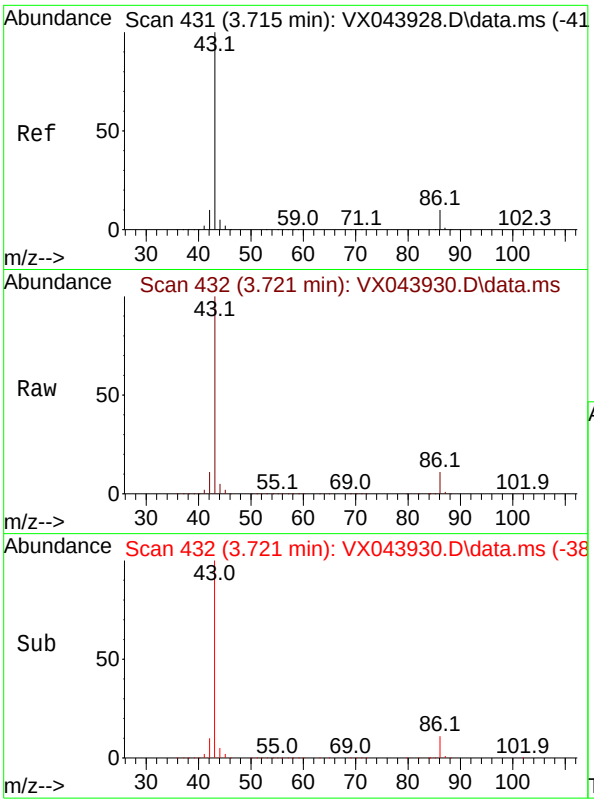




#22
Diisopropyl ether
Concen: 156.960 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 70.8 | 59.6 | 89.4 |
| 87 | 27.8 | 22.9 | 34.3 |
| 59 | 11.4 | 9.8 | 14.6 |



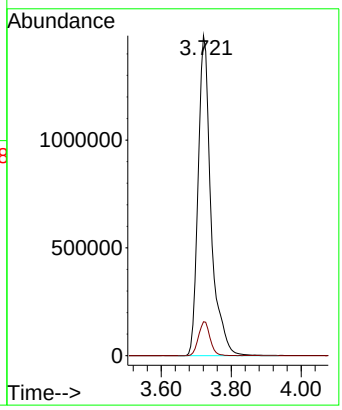


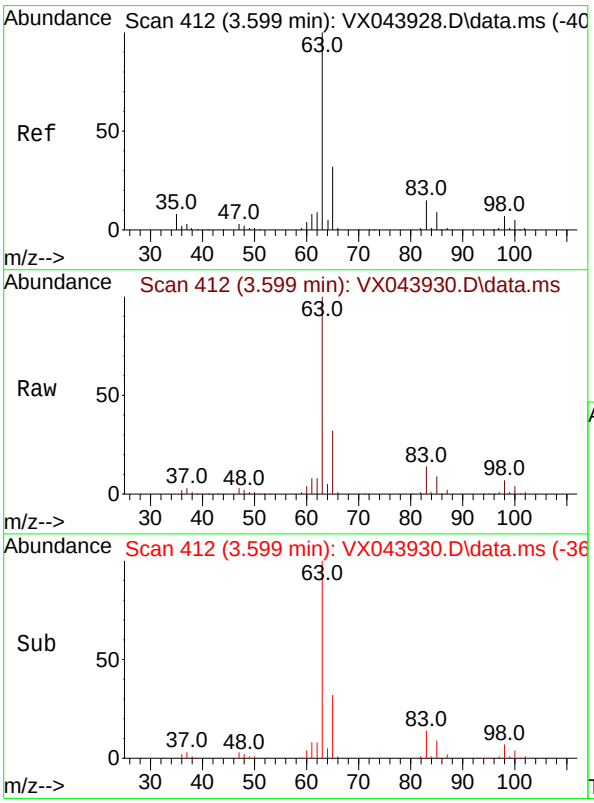

#23
Vinyl Acetate
Concen: 833.608 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 3797951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.6 | 8.3 | 12.5 |

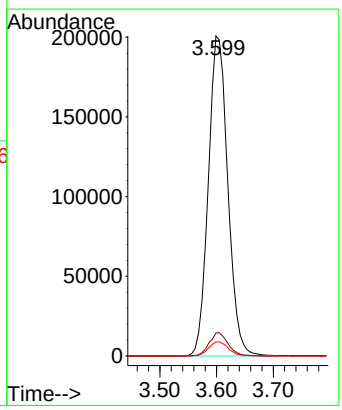


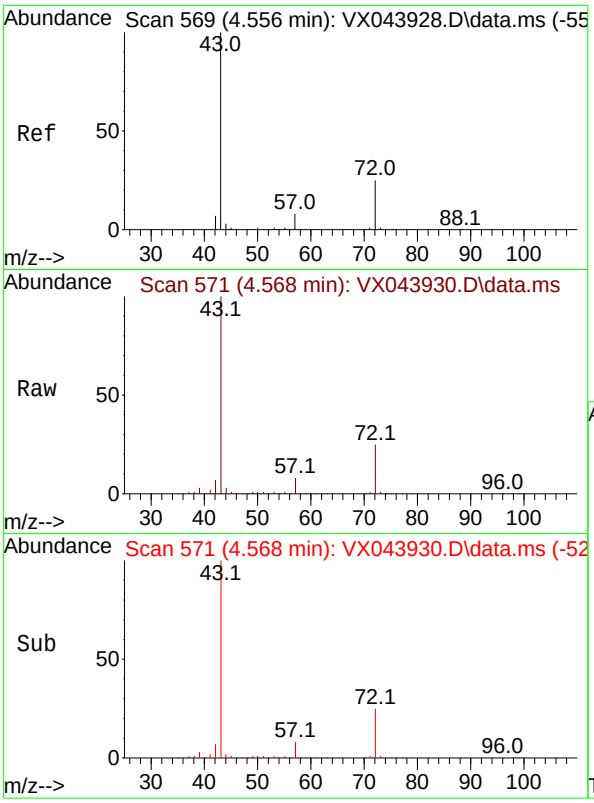




#24
1,1-Dichloroethane
Concen: 156.091 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 4.3 | 2.4 | 7.1 |



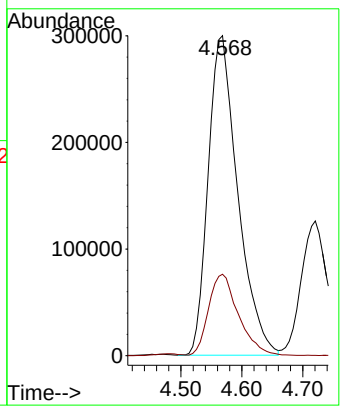


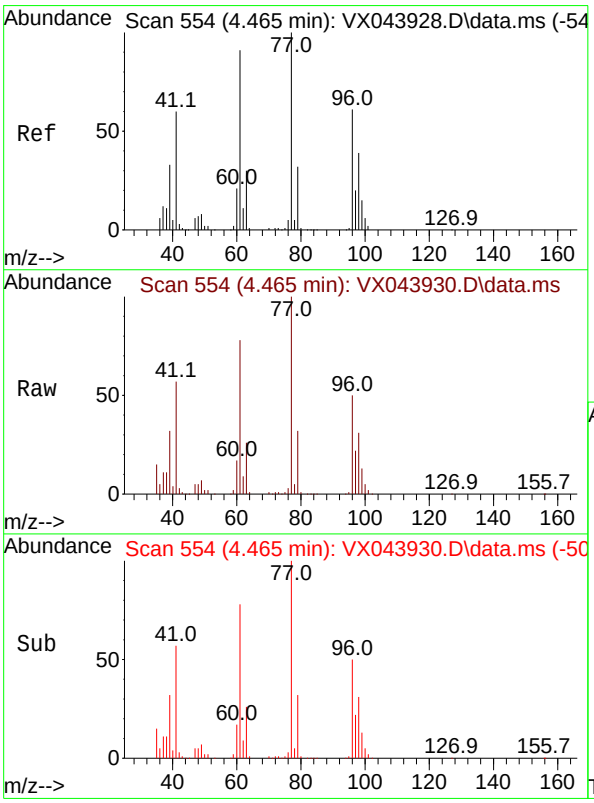

#25
2-Butanone
Concen: 753.134 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1012692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.2 | 20.2 | 30.2 |

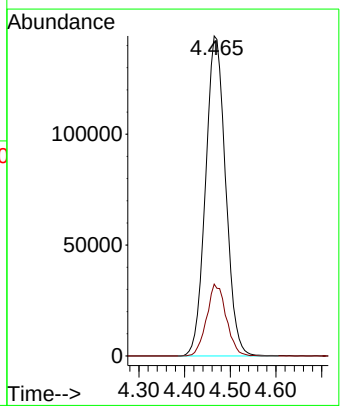


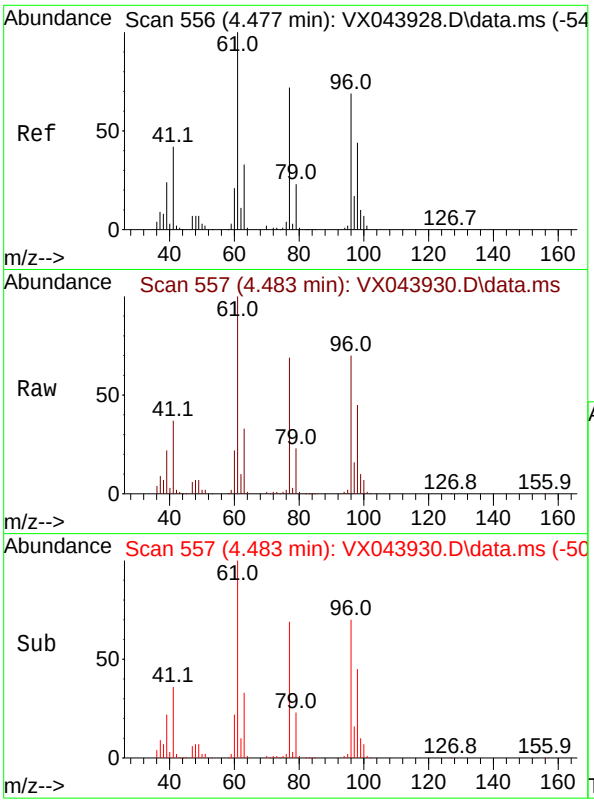




#26
2,2-Dichloropropane
Concen: 158.591 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.8 | 32.3 |



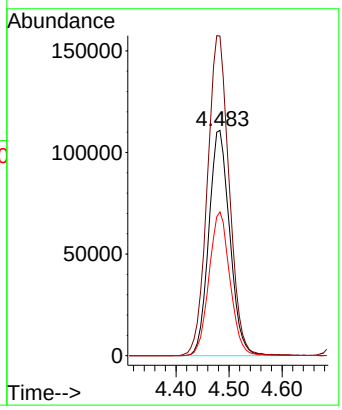


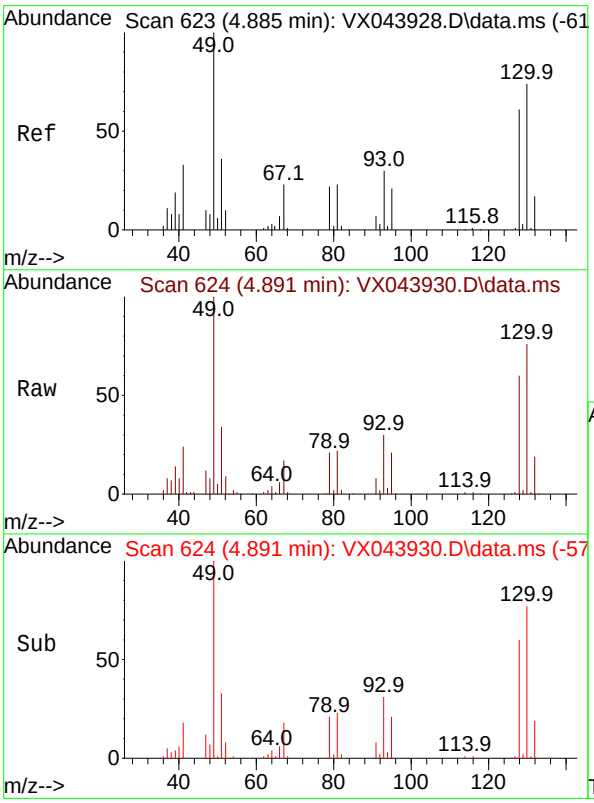

#27
cis-1,2-Dichloroethene
Concen: 156.447 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 304342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.2 | 0.0 | 297.4 |
| 98 | 63.8 | 0.0 | 127.8 |

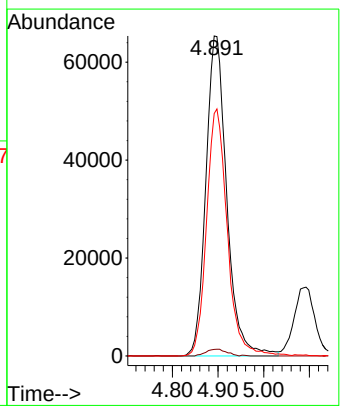


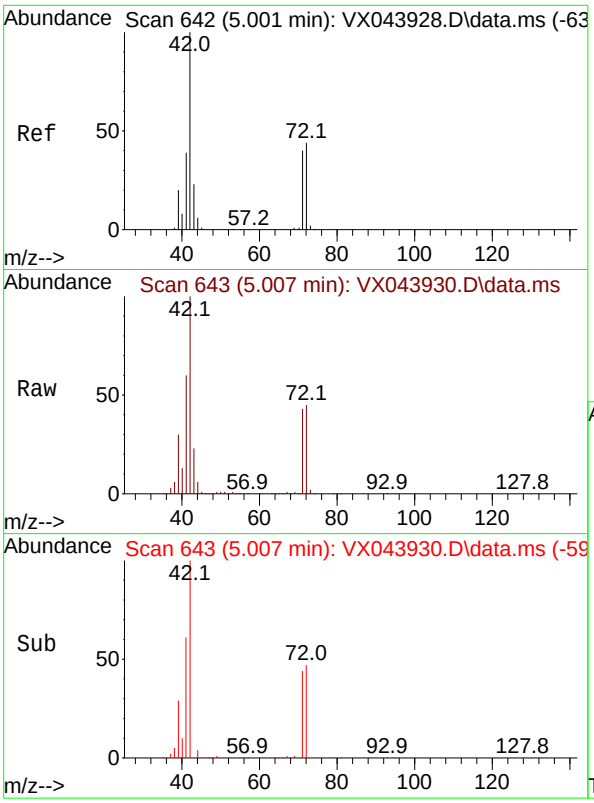




#28
Bromochloromethane
Concen: 153.614 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.0 |
| 130 | 76.4 | 59.0 | 88.6 |



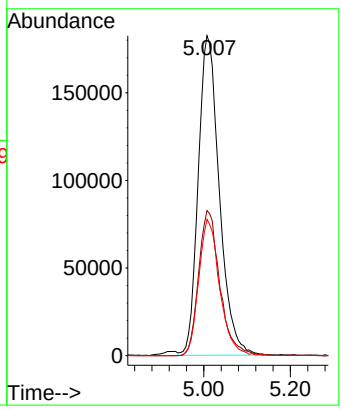


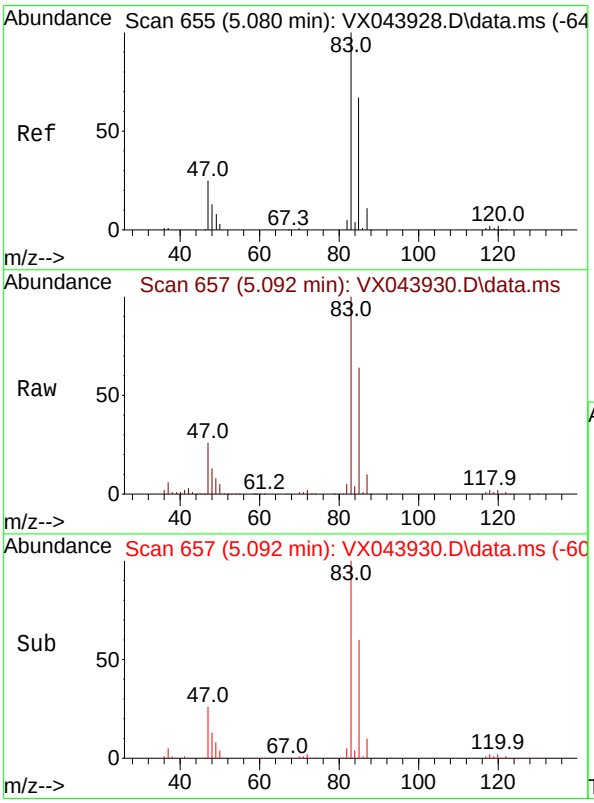

#29
Tetrahydrofuran
Concen: 748.806 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 617277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.8 | 36.4 | 54.6 |
| 71 | 42.3 | 33.4 | 50.0 |

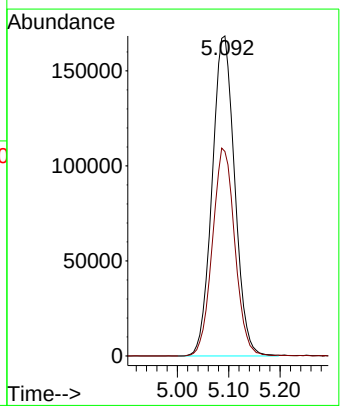


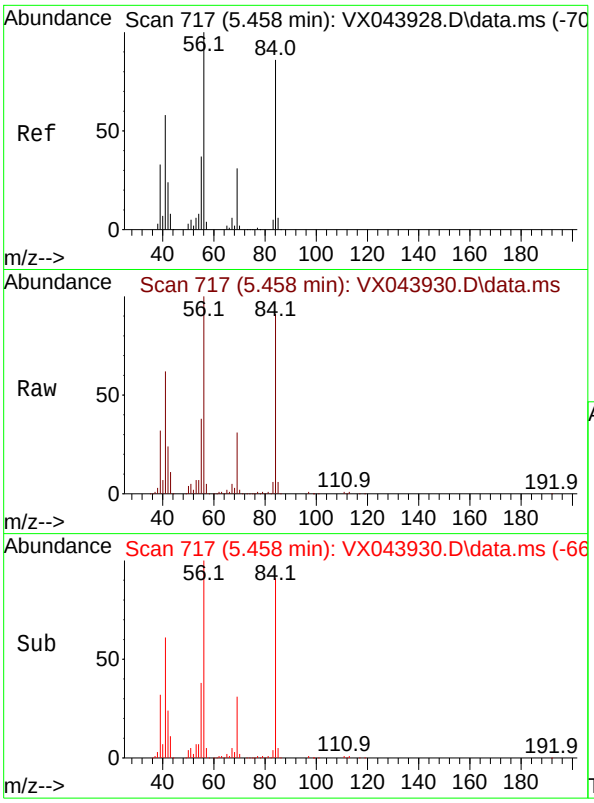




#30
Chloroform
Concen: 155.325 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 83 Resp: 513285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 53.5 | 80.3 |



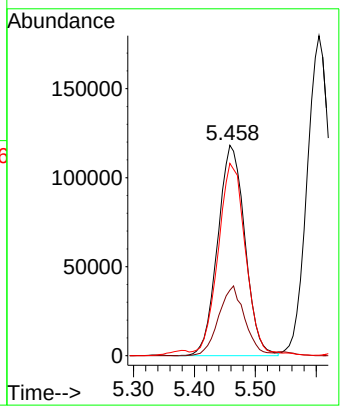


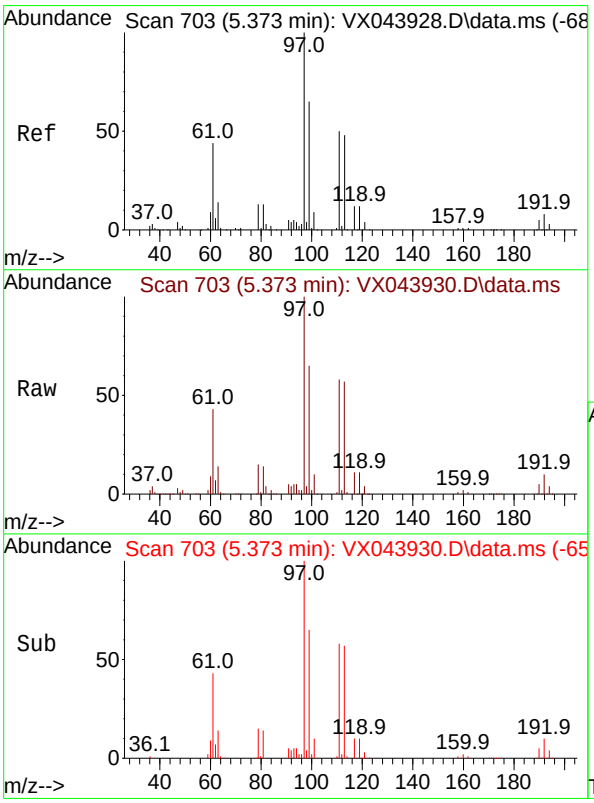

#31
Cyclohexane
Concen: 145.191 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 367157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.1 | 24.7 | 37.1 |
| 84 | 89.9 | 68.7 | 103.1 |

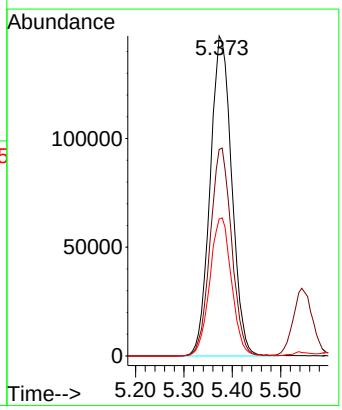


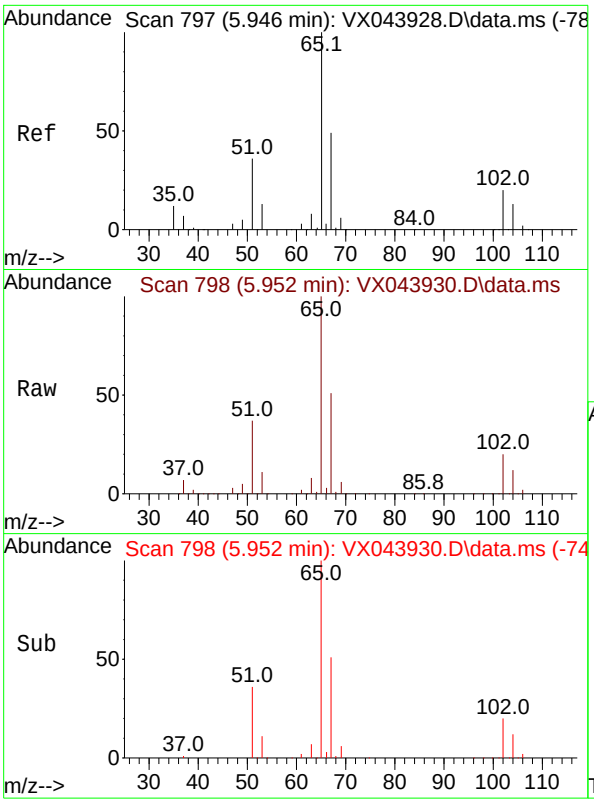




#32
1,1,1-Trichloroethane
Concen: 159.987 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.7 | 50.8 | 76.2 |
| 61 | 43.5 | 35.4 | 53.2 |



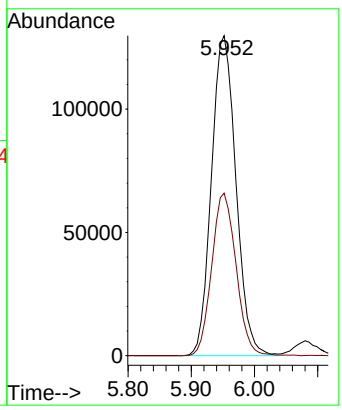


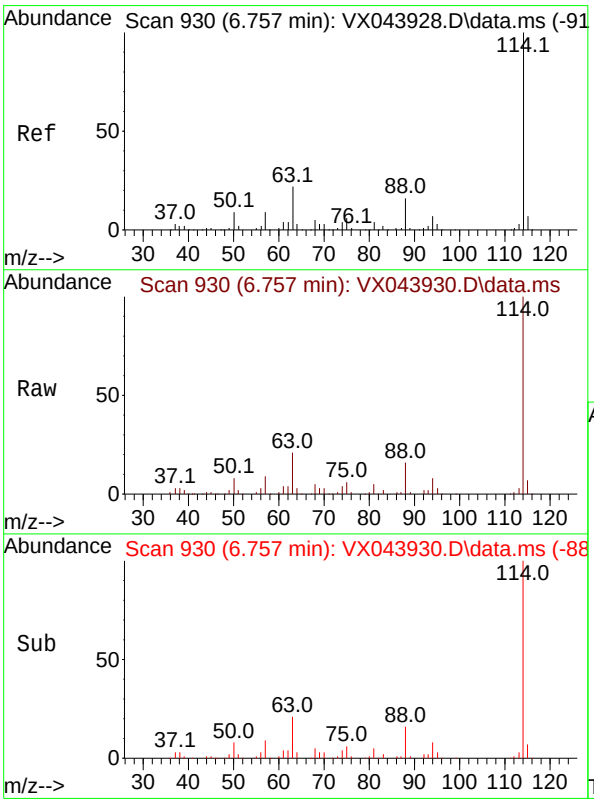

#33
1,2-Dichloroethane-d4
Concen: 153.852 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 349080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.3 | 0.0 | 100.8 |

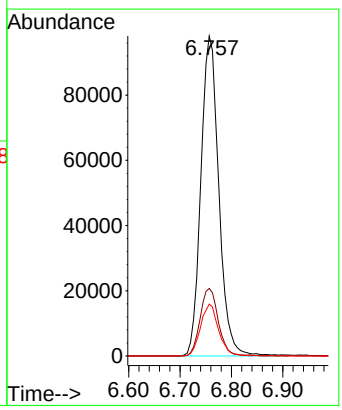


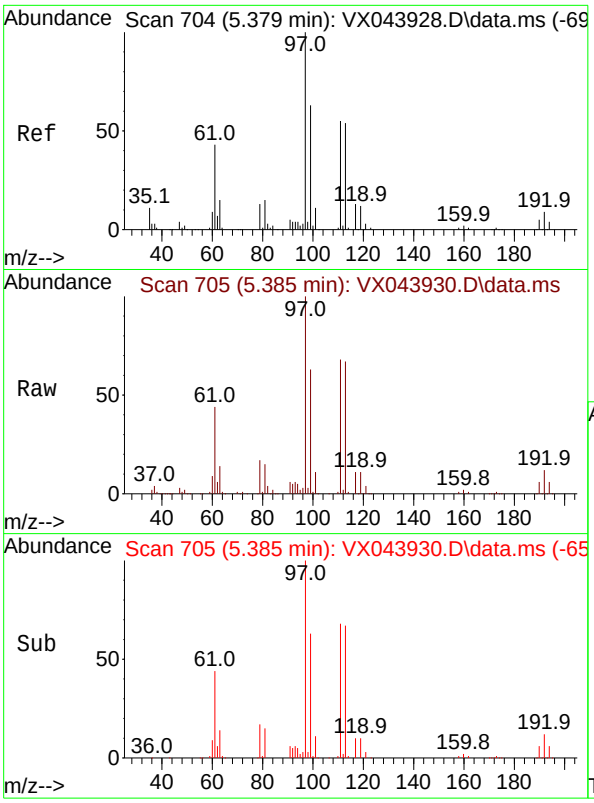




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.0 |
| 88 | 16.2 | 0.0 | 32.4 |



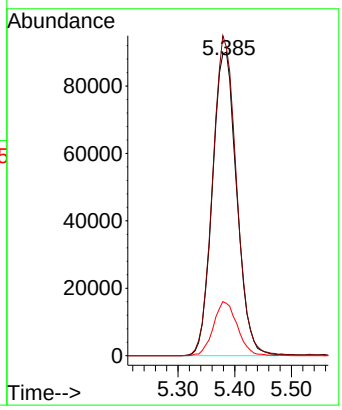


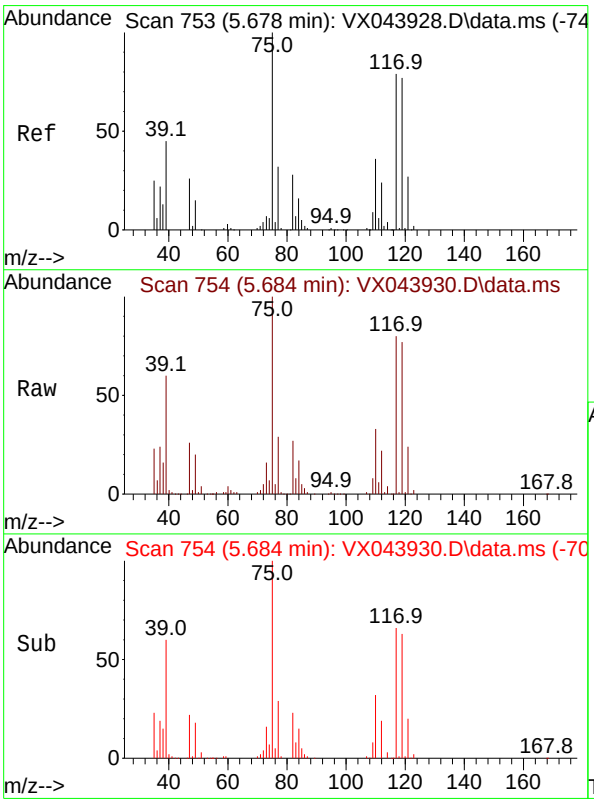

#35
Dibromofluoromethane
Concen: 157.906 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 268135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 81.0 | 121.4 |
| 192 | 17.6 | 13.0 | 19.6 |

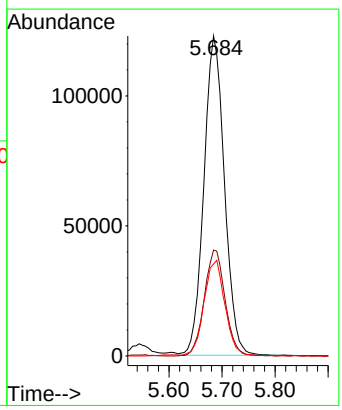


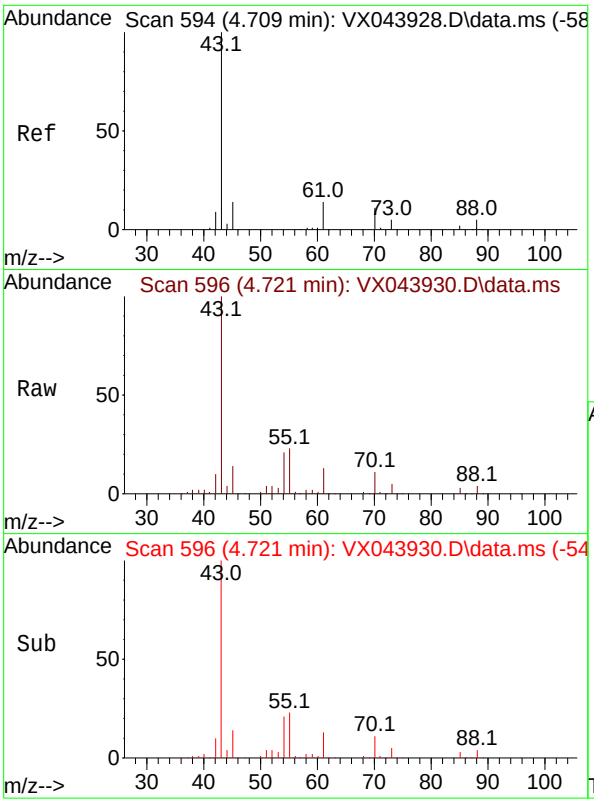




#36
1,1-Dichloropropene
Concen: 156.540 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 331239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.6 | 17.4 | 52.2 |
| 77 | 30.3 | 25.8 | 38.8 |



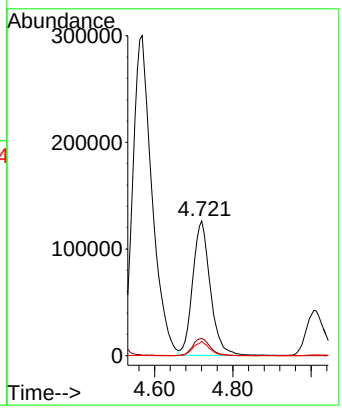


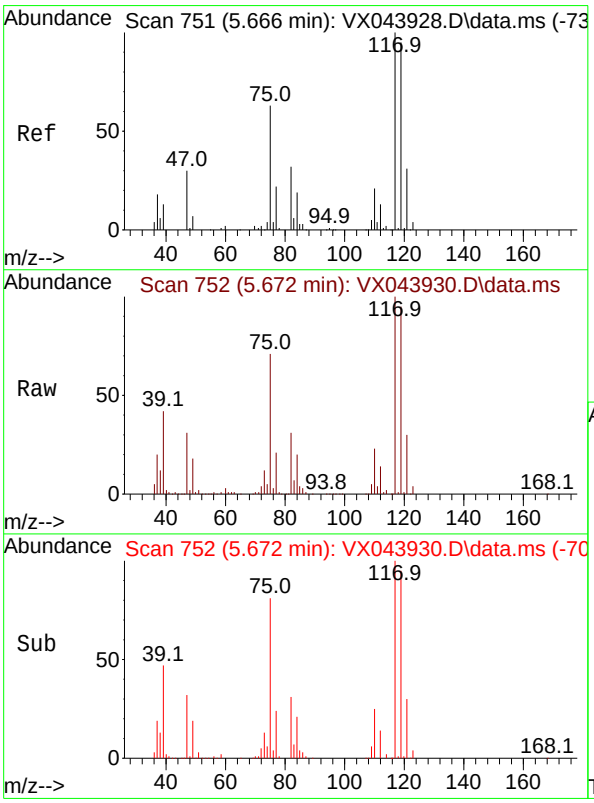

#37
Ethyl Acetate
Concen: 149.876 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 393670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 10.7 | 16.1 |
| 70 | 9.9 | 8.0 | 12.0 |

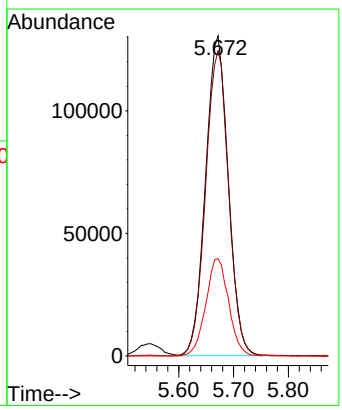


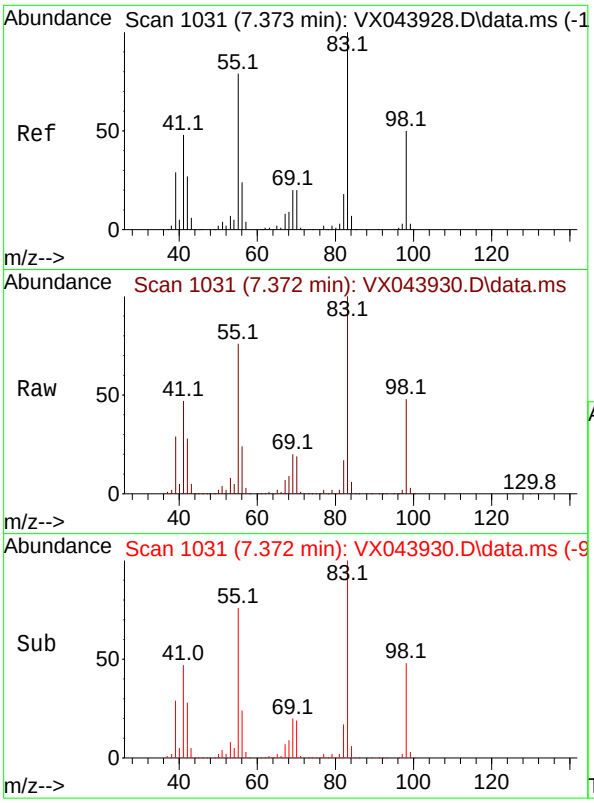




#38
Carbon Tetrachloride
Concen: 158.262 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 376287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.3 | 75.2 | 112.8 |
| 121 | 30.4 | 24.5 | 36.7 |



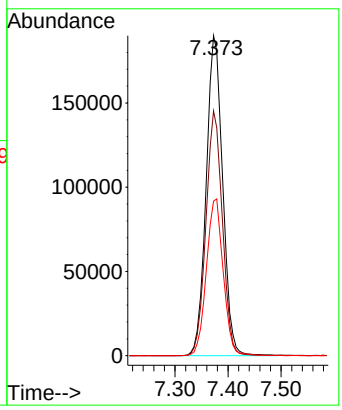


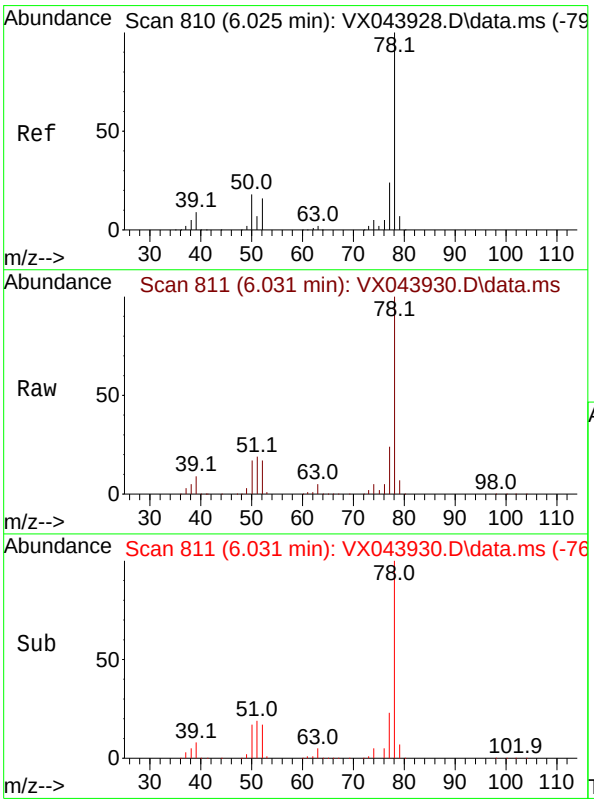

#39
Methylcyclohexane
Concen: 149.269 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 410333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.4 | 63.1 | 94.7 |
| 98 | 48.3 | 40.0 | 60.0 |

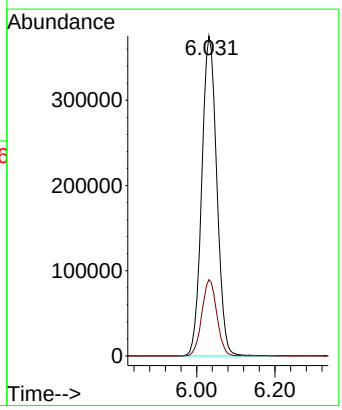


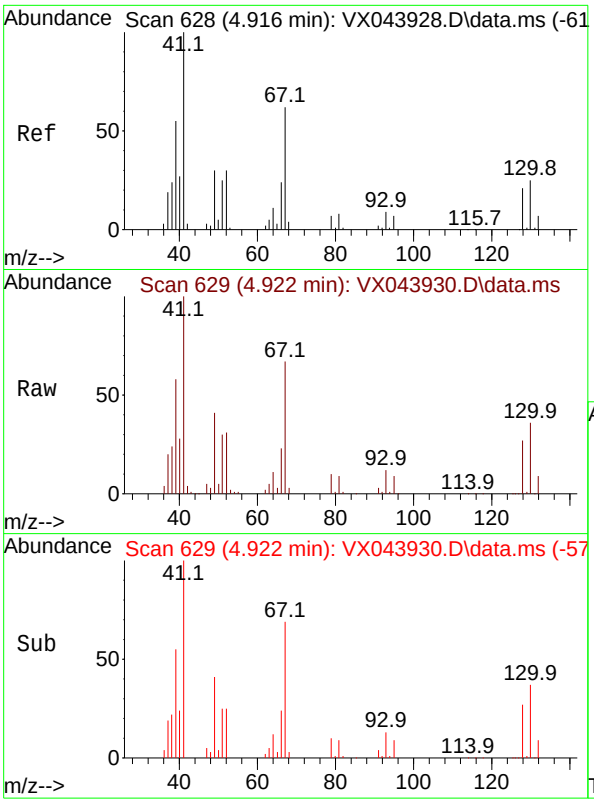




#40
Benzene
Concen: 151.598 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 19.2 | 28.8 |



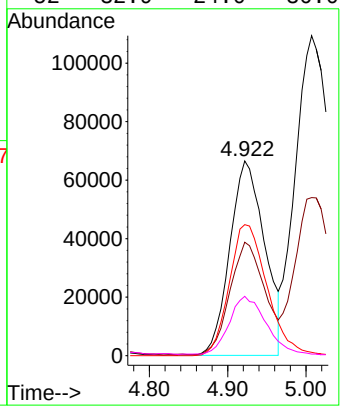


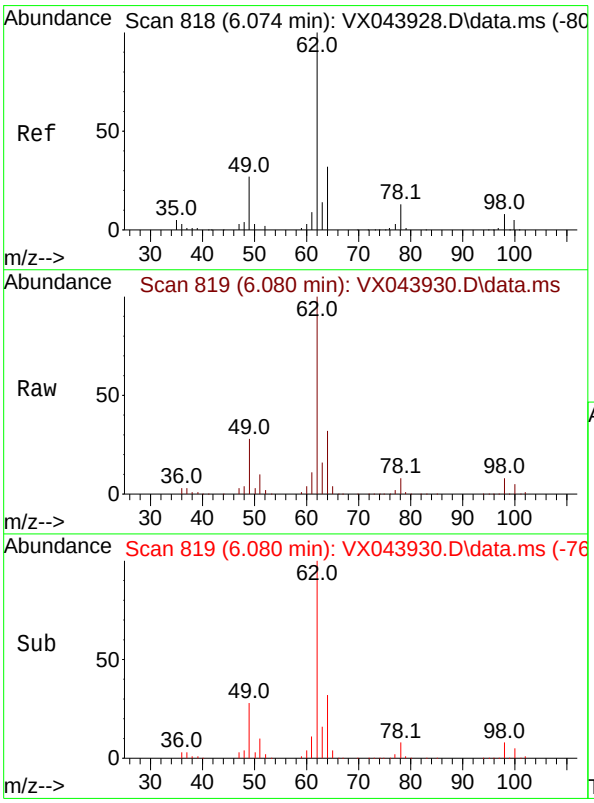

#41
Methacrylonitrile
Concen: 153.252 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 206026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.7 | 41.7 | 62.5 |
| 67 | 73.5 | 55.8 | 83.8 |
| 52 | 32.9 | 24.0 | 36.0 |

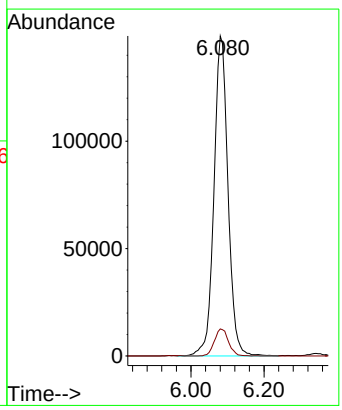


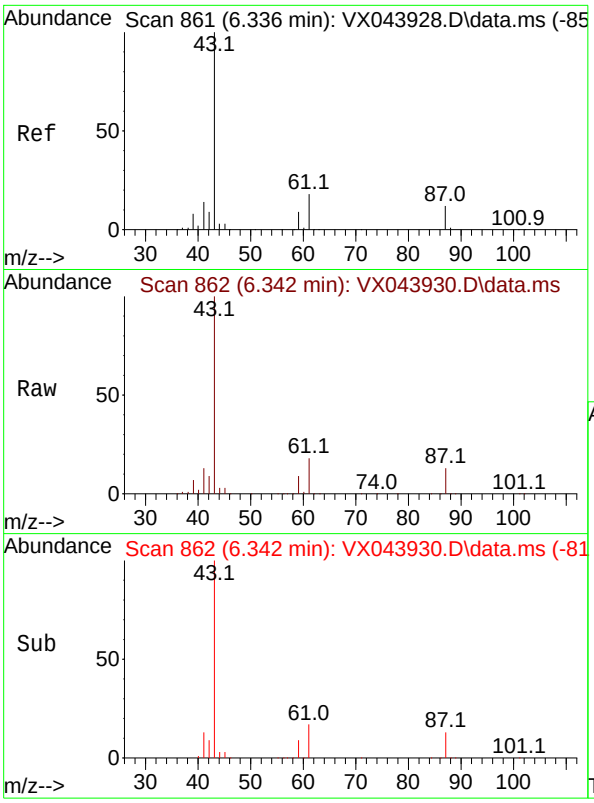




#42
1,2-Dichloroethane
Concen: 150.163 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 16.4 |



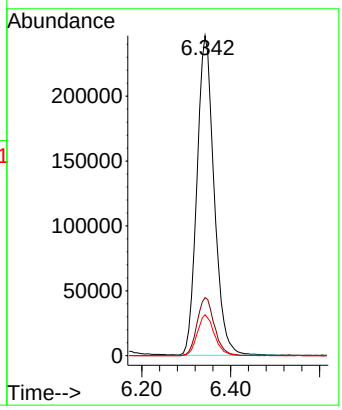


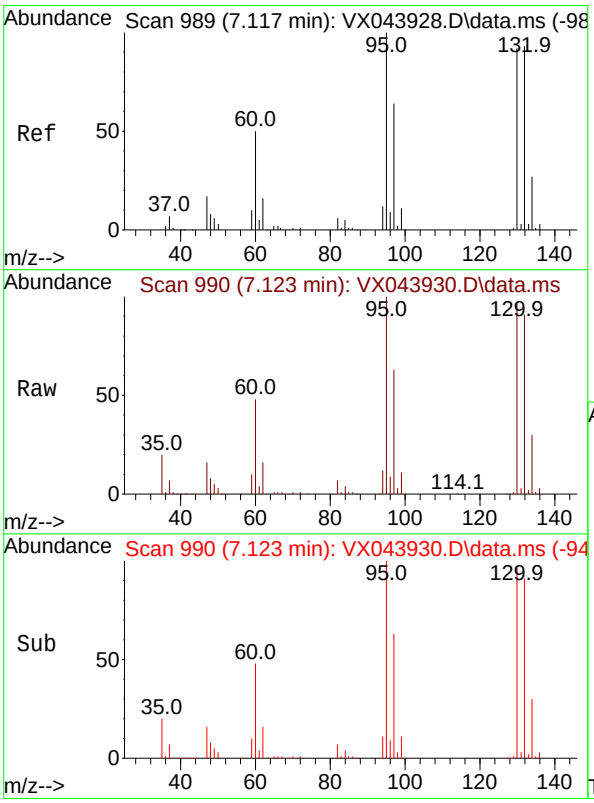

#43
Isopropyl Acetate
Concen: 158.329 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 661839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

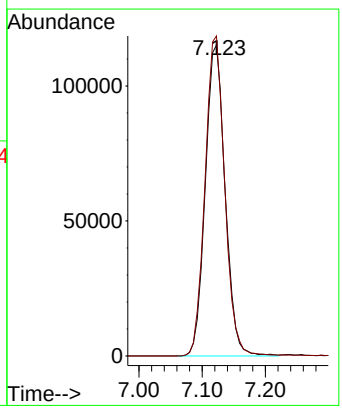


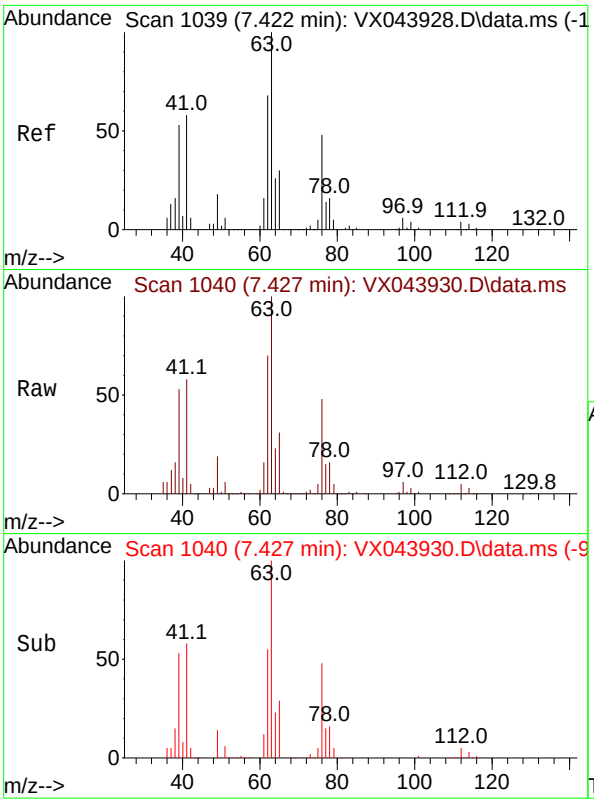




#44
Trichloroethene
Concen: 134.559 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:130 Resp: 251071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 103.0 | 0.0 | 217.8 |



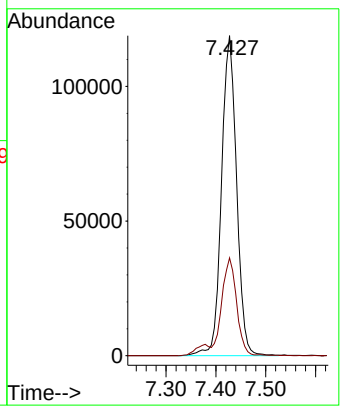


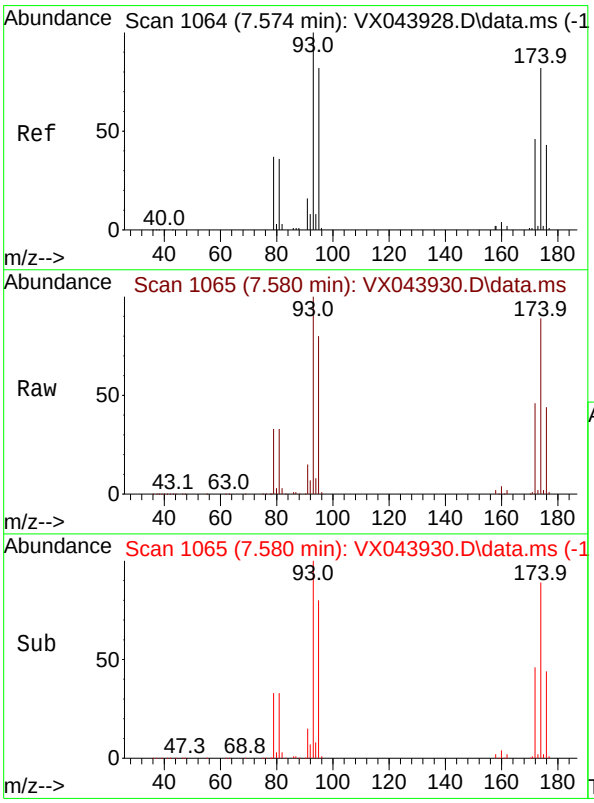

#45
1,2-Dichloropropane
Concen: 154.486 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 249394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 23.8 | 35.6 |

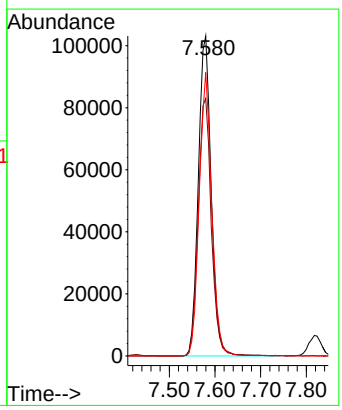


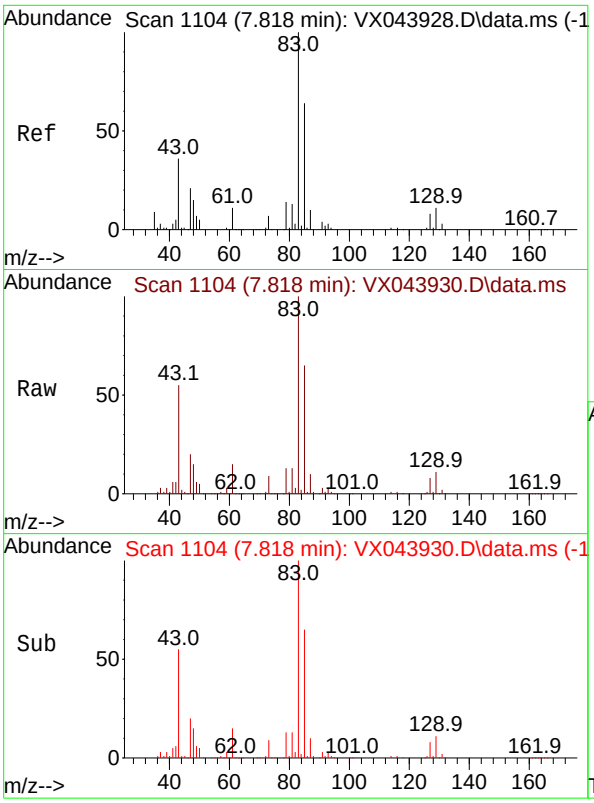




#46
Dibromomethane
Concen: 158.440 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.9 | 66.2 | 99.4 |
| 174 | 86.4 | 69.6 | 104.4 |



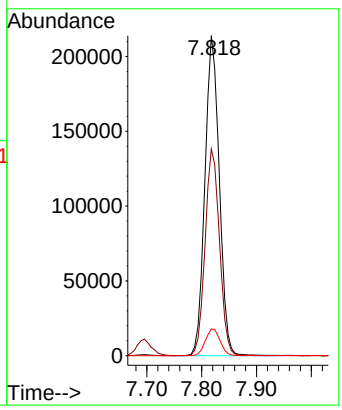


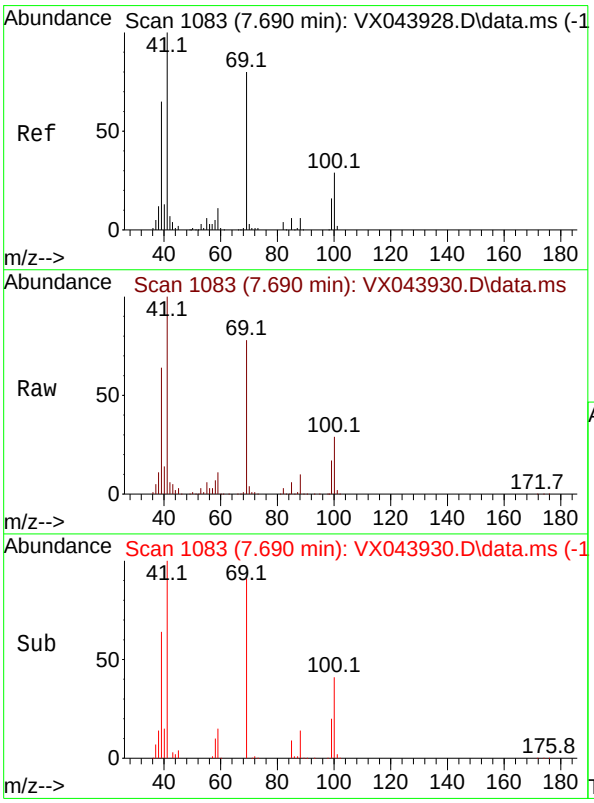

#47
Bromodichloromethane
Concen: 169.524 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 388259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 51.4 | 77.0 |
| 127 | 8.3 | 6.6 | 10.0 |

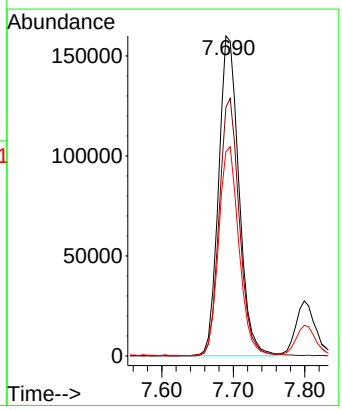


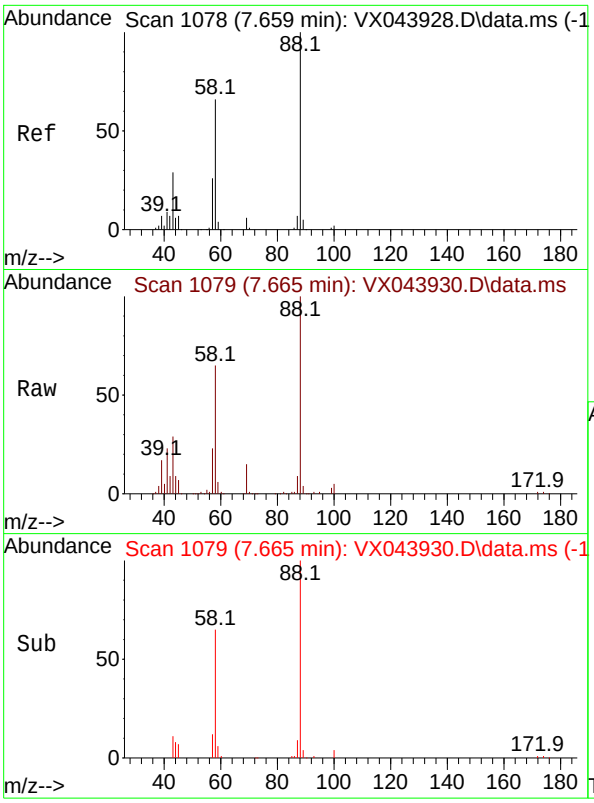




#48
Methyl methacrylate
Concen: 157.479 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 64.6 | 97.0 |
| 39 | 65.4 | 53.3 | 79.9 |



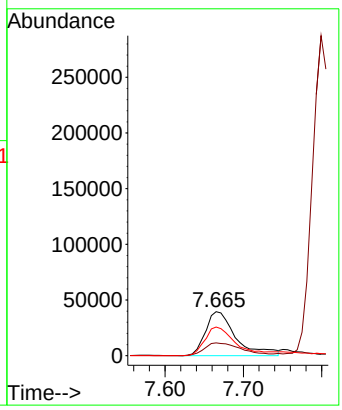


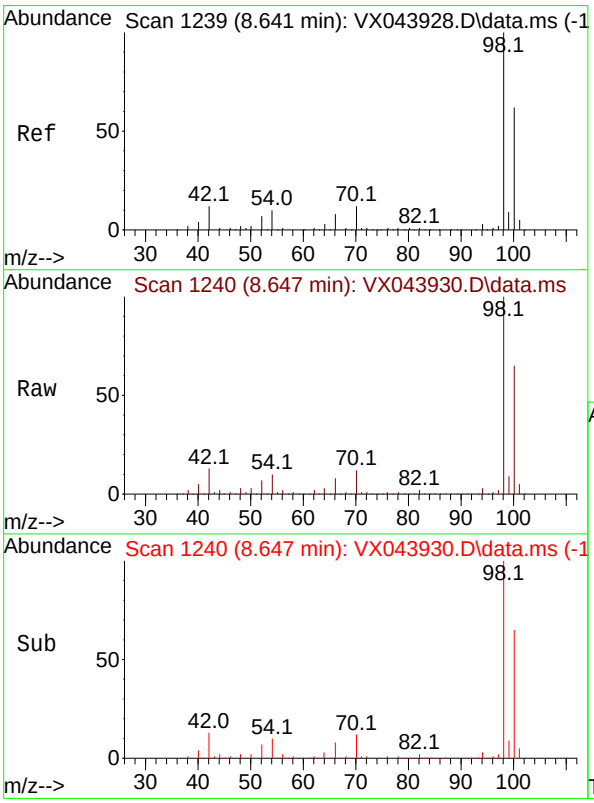

#49
1,4-Dioxane
Concen: 3083.461 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 106634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.6 | 26.8 | 40.2 |
| 58 | 66.2 | 45.4 | 68.2 |

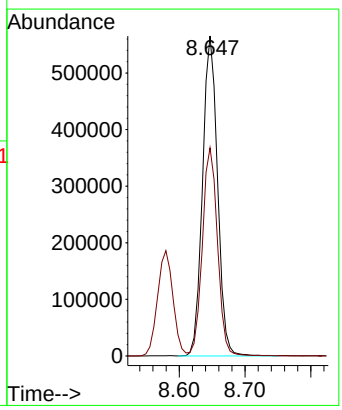


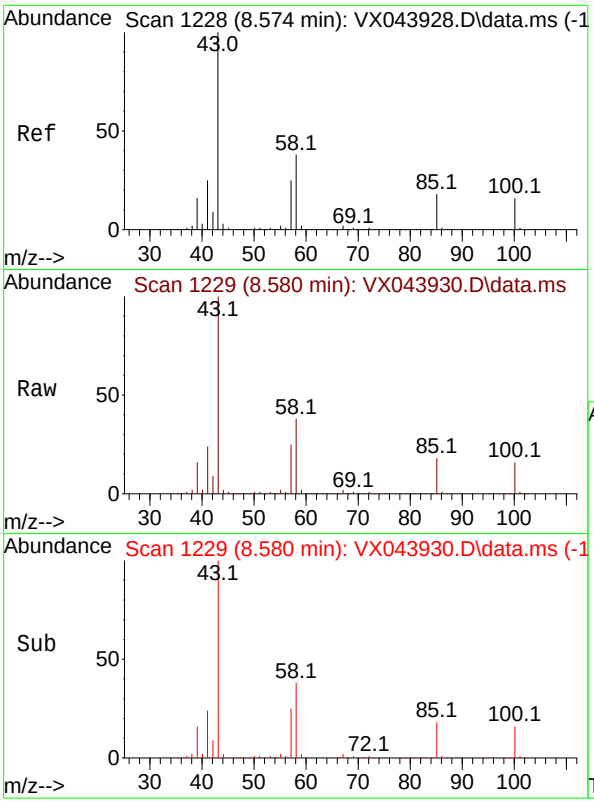




#50
Toluene-d8
Concen: 153.143 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 98 Resp: 896413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.7 | 52.6 | 79.0 |



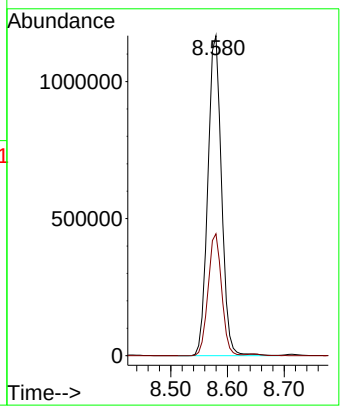


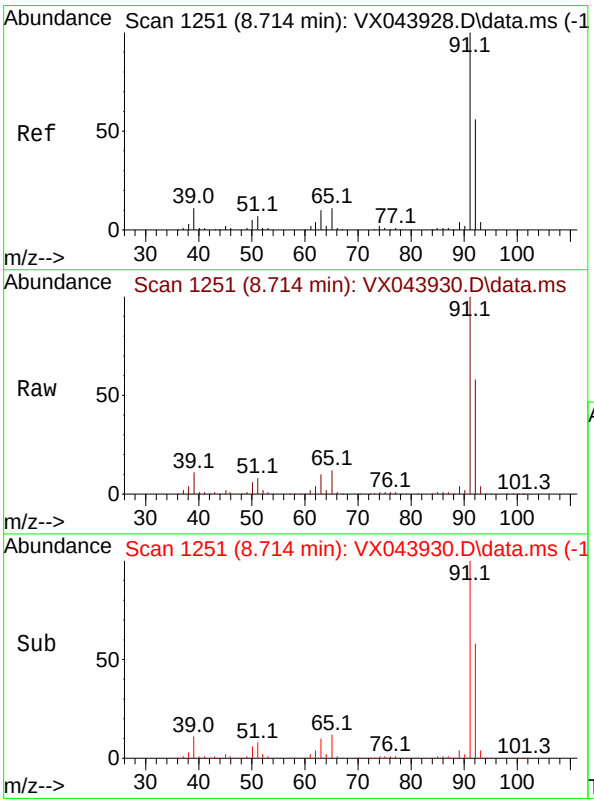

#51
4-Methyl-2-Pentanone
Concen: 766.353 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1954925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.0 | 45.0 |

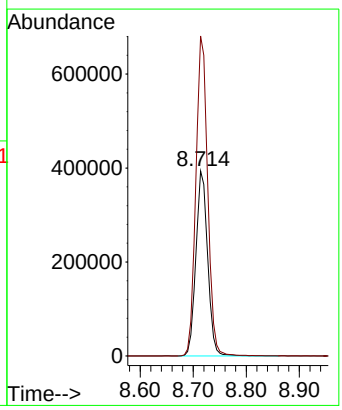


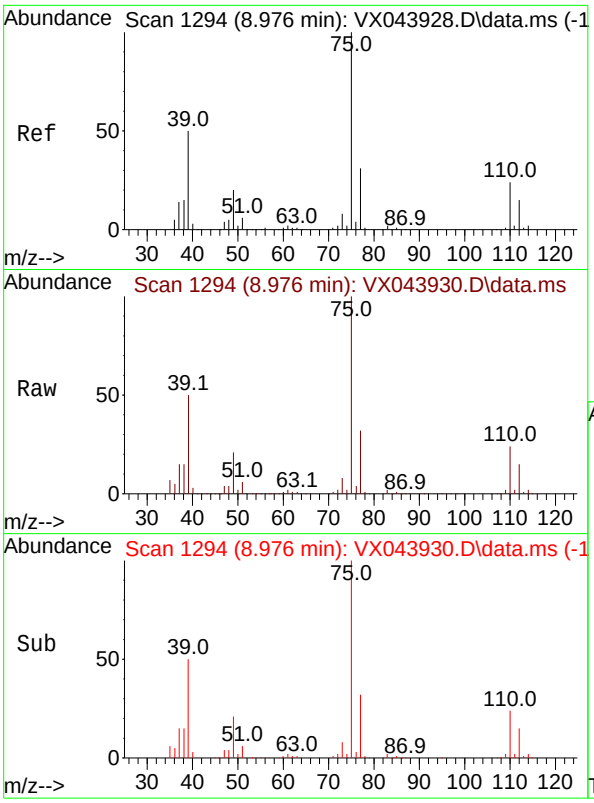




#52
Toluene
Concen: 153.910 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 92 Resp: 607179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.9 | 139.7 | 209.5 |



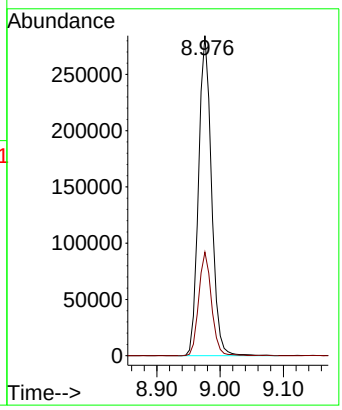


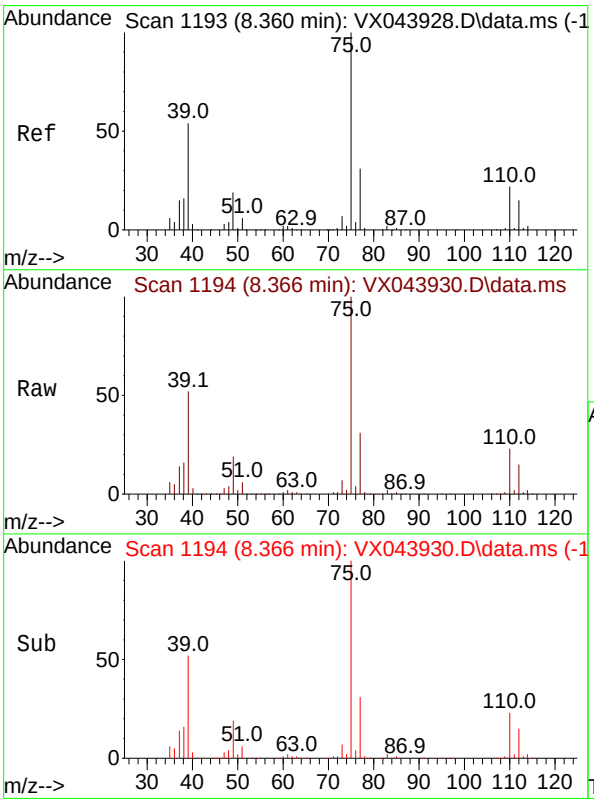

#53
t-1,3-Dichloropropene
Concen: 173.984 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 406346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.1 | 37.7 |

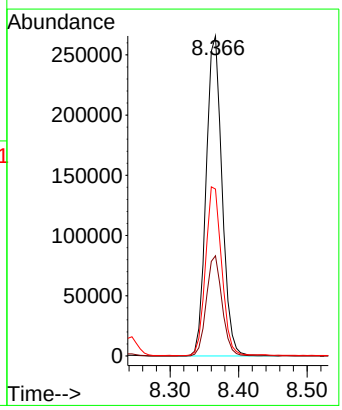


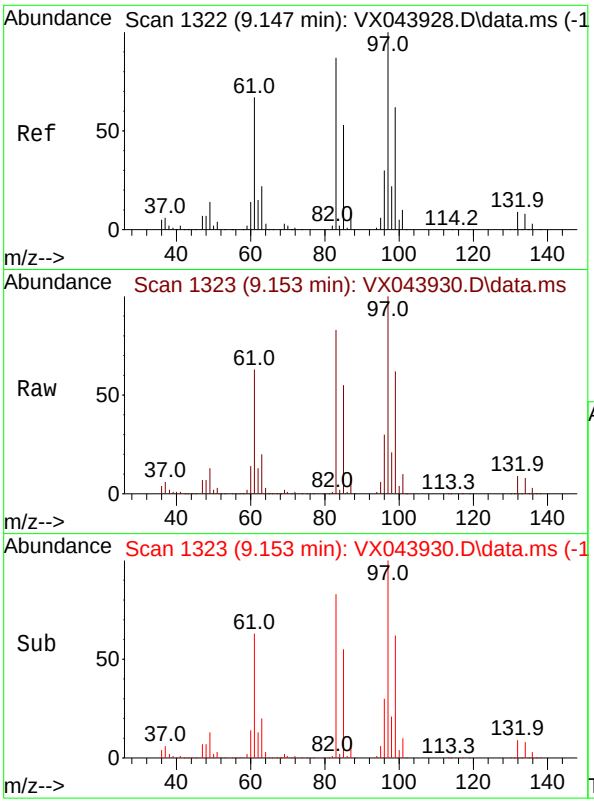




#54
cis-1,3-Dichloropropene
Concen: 167.379 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 428549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.2 | 37.8 |
| 39 | 52.0 | 43.1 | 64.7 |



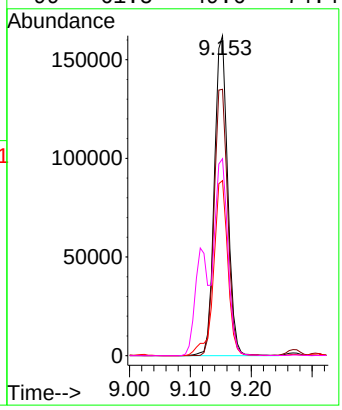


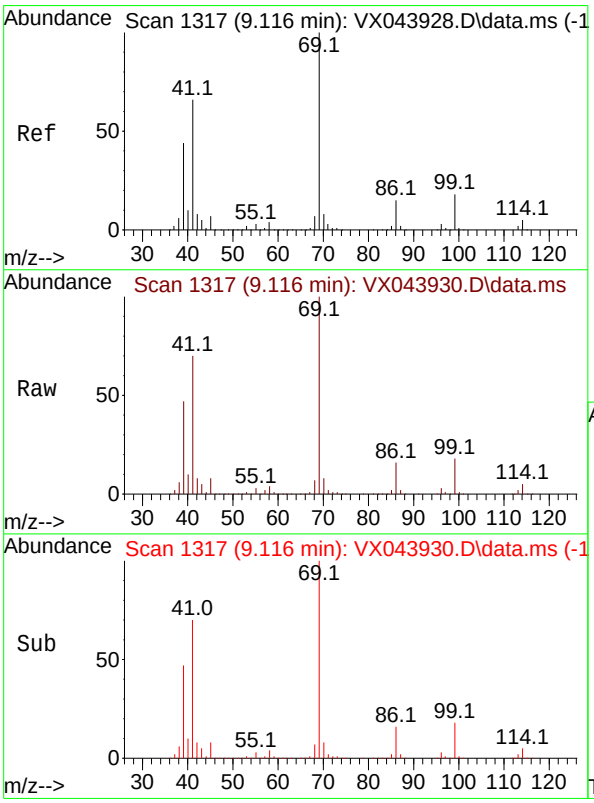

#55
1,1,2-Trichloroethane
Concen: 150.879 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 245706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.3 | 69.4 | 104.0 |
| 85 | 54.7 | 42.3 | 63.5 |
| 99 | 61.5 | 49.6 | 74.4 |

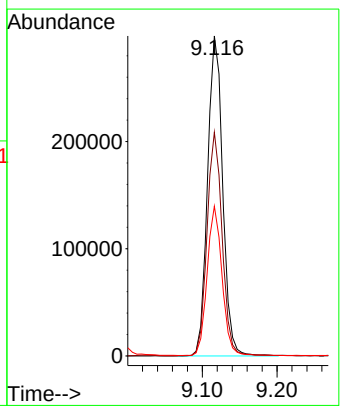


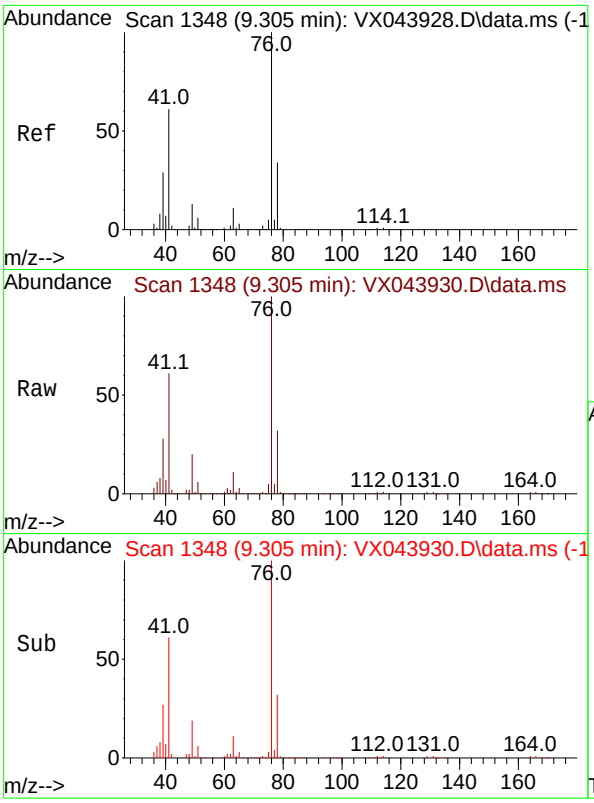




#56
Ethyl methacrylate
Concen: 165.742 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 55.8 | 83.8 |
| 39 | 45.9 | 36.7 | 55.1 |



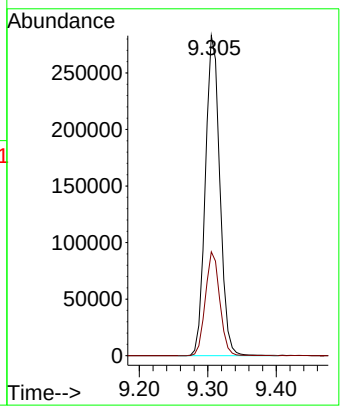


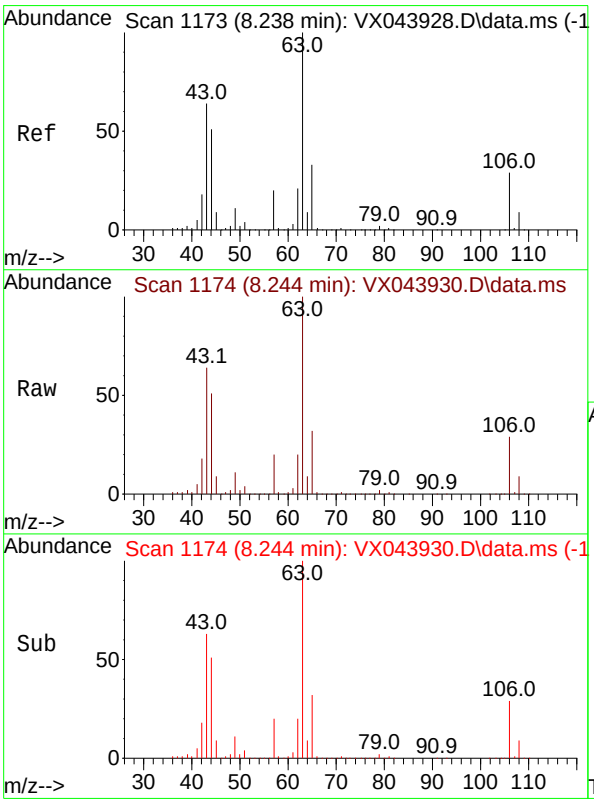

#57
1,3-Dichloropropane
Concen: 151.939 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 416811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.0 | 39.0 |

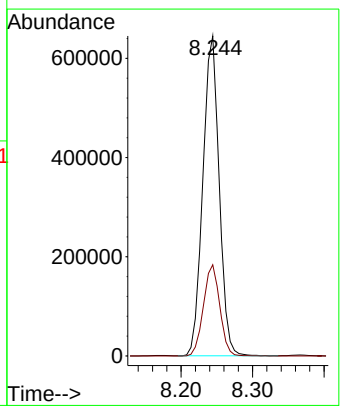


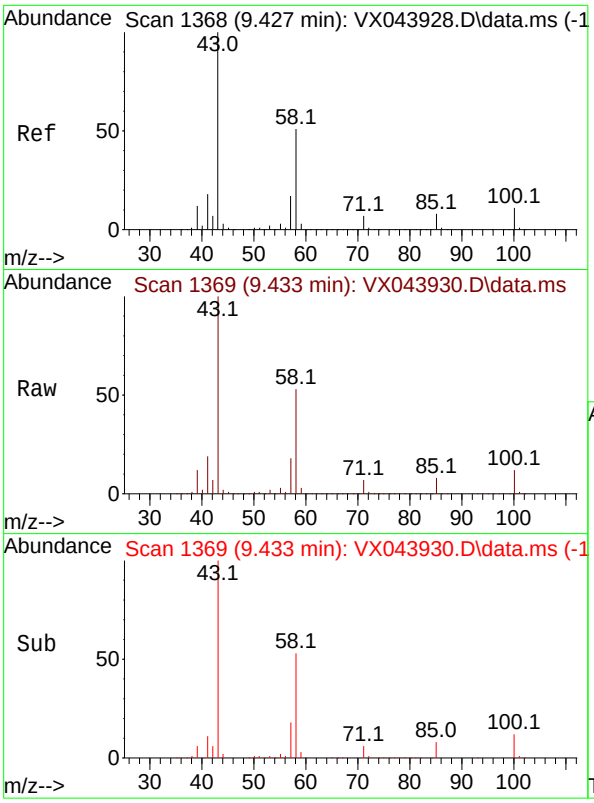




#58
2-Chloroethyl Vinyl ether
Concen: 753.191 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.5 | 23.0 | 34.6 |



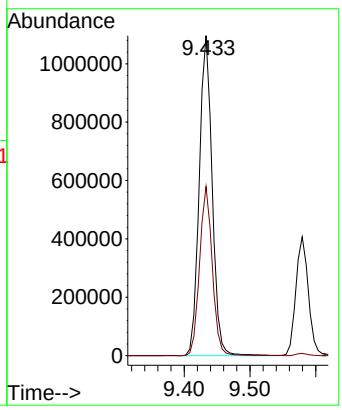


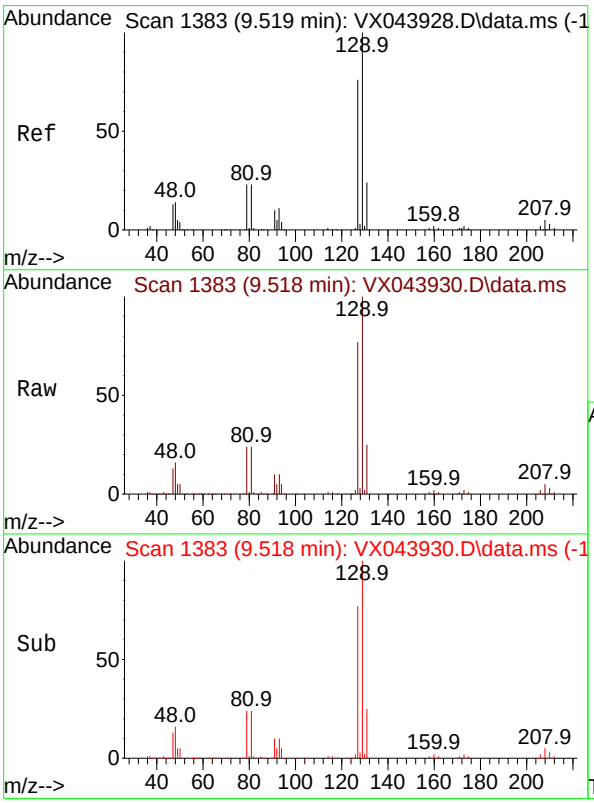

#59
2-Hexanone
Concen: 779.070 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1493755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.9 | 77.6 |

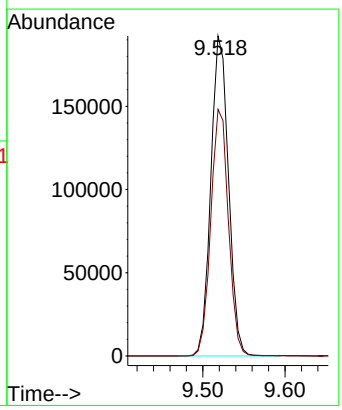


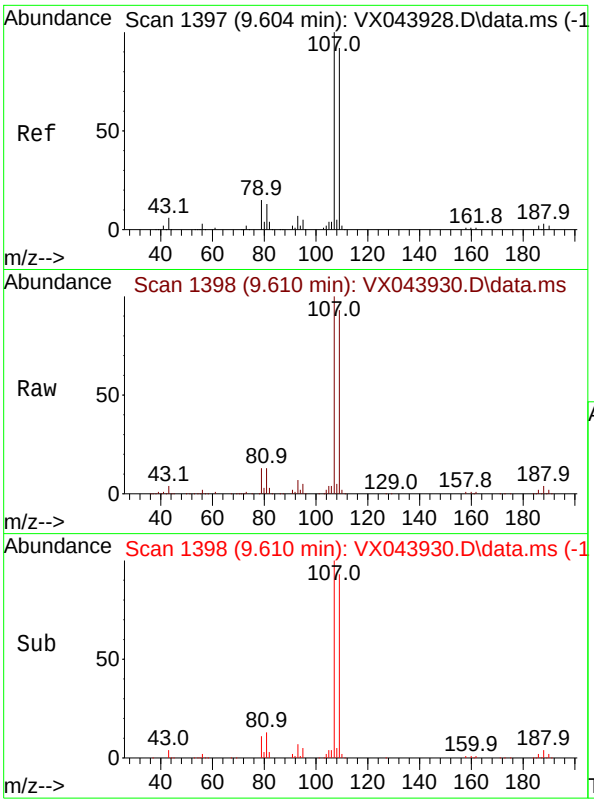




#60
Dibromochloromethane
Concen: 175.154 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:129 Resp: 286188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.2 | 38.2 | 114.6 |



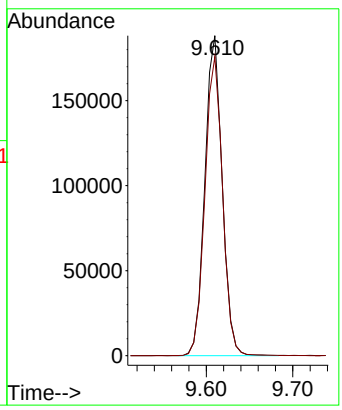


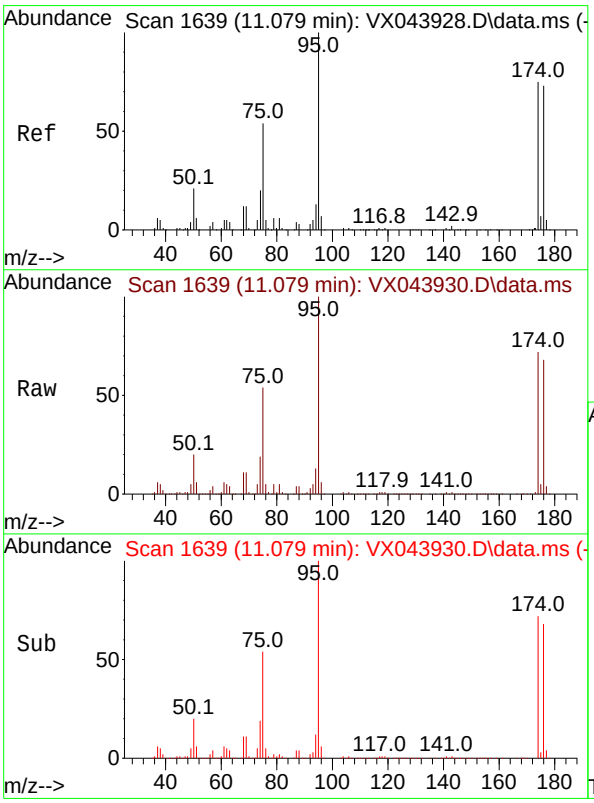

#61
1,2-Dibromoethane
Concen: 158.727 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 261369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.1 | 75.2 | 112.8 |

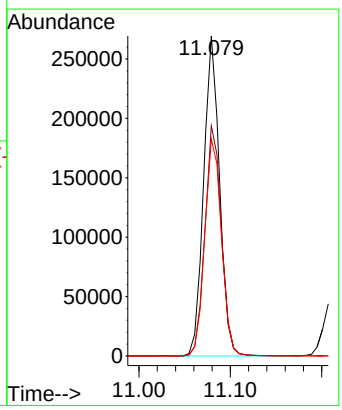


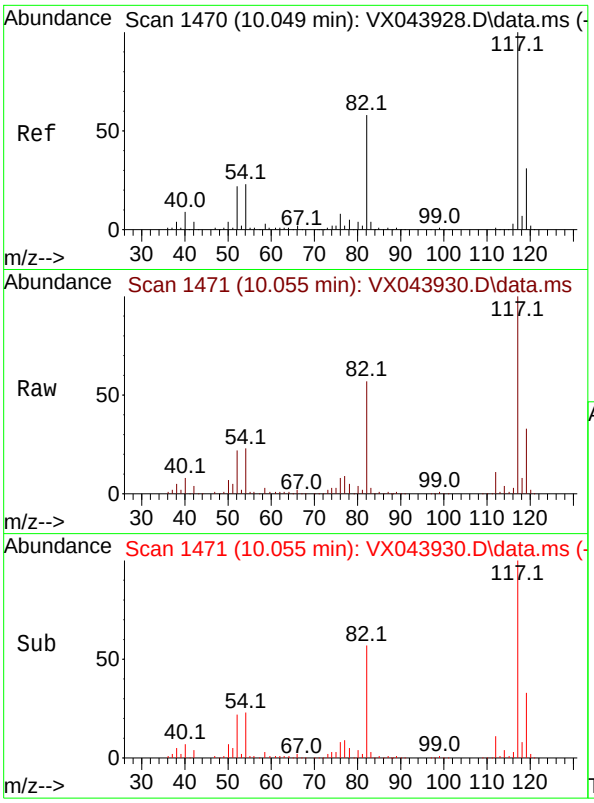




#62
4-Bromofluorobenzene
Concen: 162.951 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 95 Resp: 324612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.6 | 0.0 | 150.4 |
| 176 | 71.4 | 0.0 | 146.0 |



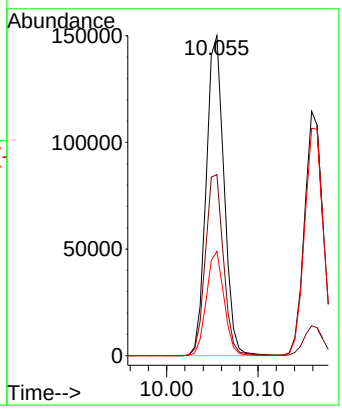


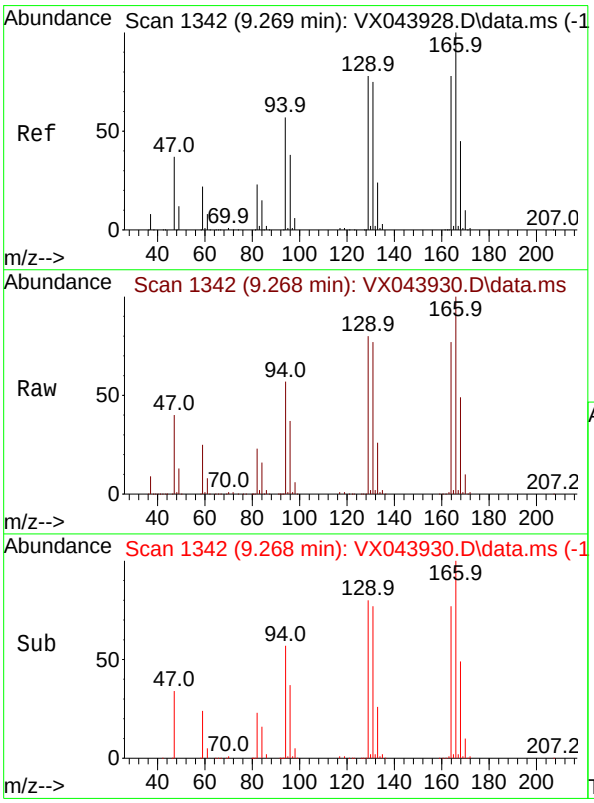

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 203280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 46.4 | 69.6 |
| 119 | 32.6 | 24.6 | 37.0 |

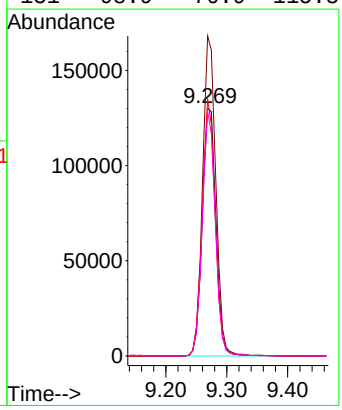


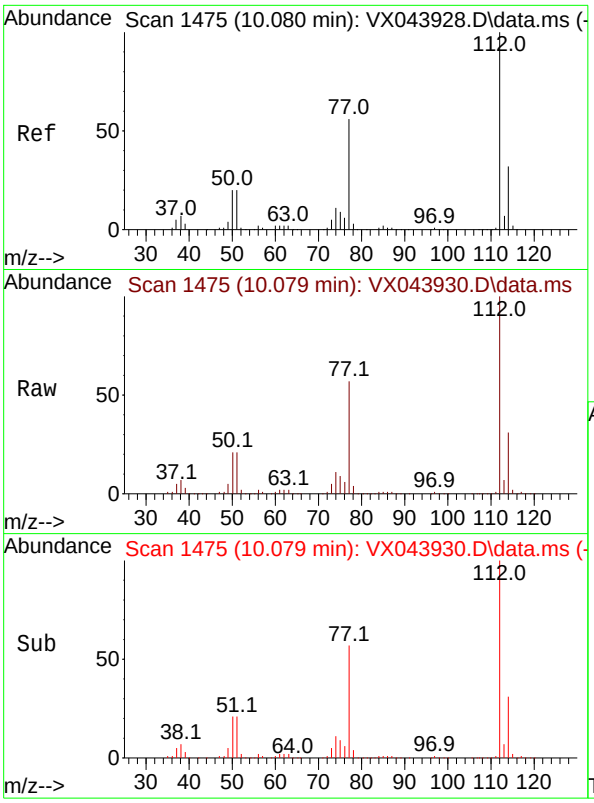




#64
Tetrachloroethene
Concen: 150.897 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 102.1 | 153.1 |
| 129 | 103.4 | 79.6 | 119.4 |
| 131 | 98.9 | 76.9 | 115.3 |



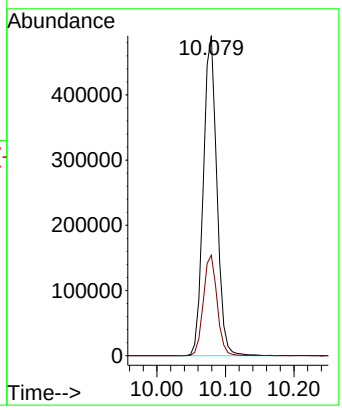


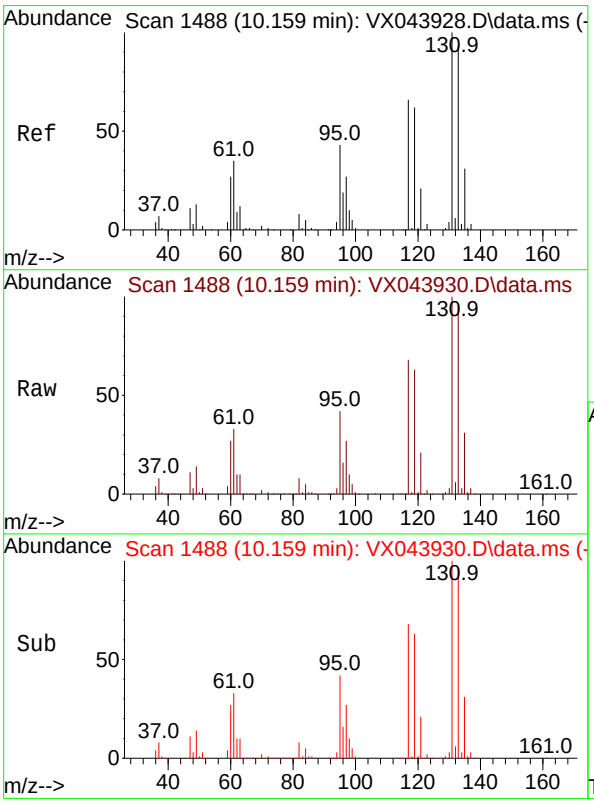

#65
Chlorobenzene
Concen: 151.304 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 675513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.4 | 38.0 |

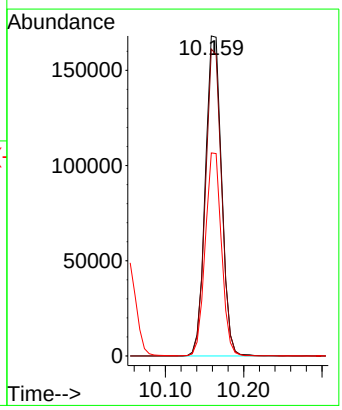


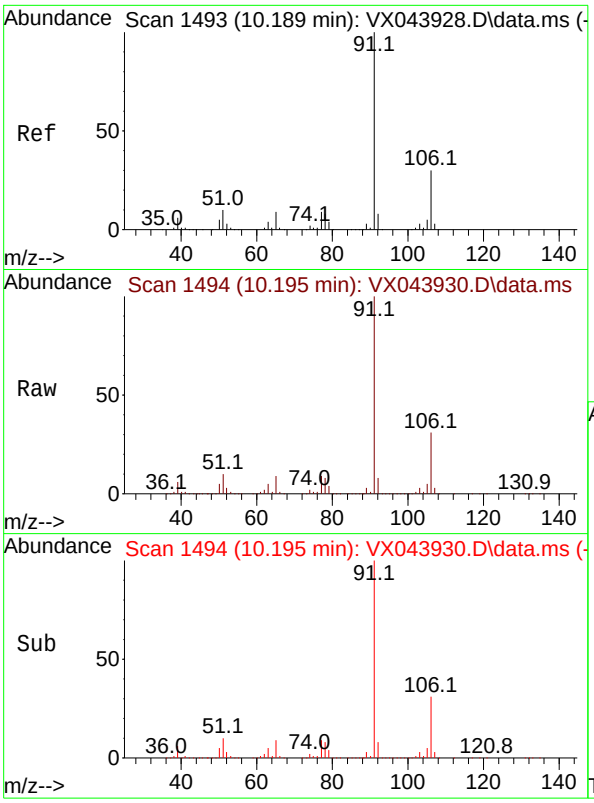




#66
1,1,1,2-Tetrachloroethane
Concen: 166.861 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 48.2 | 144.6 |
| 119 | 63.3 | 31.5 | 94.5 |



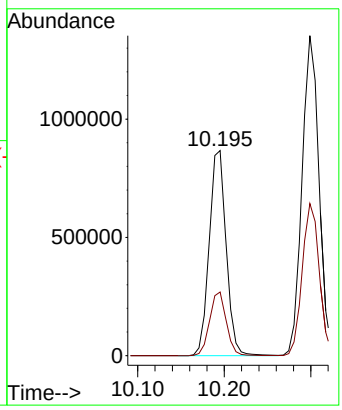


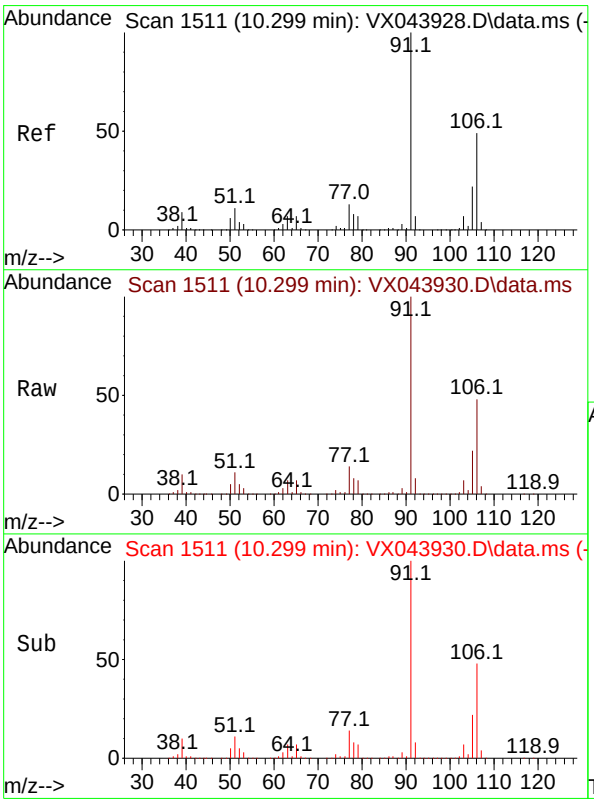

#67
Ethyl Benzene
Concen: 156.200 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1181693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.1 | 23.6 | 35.4 |

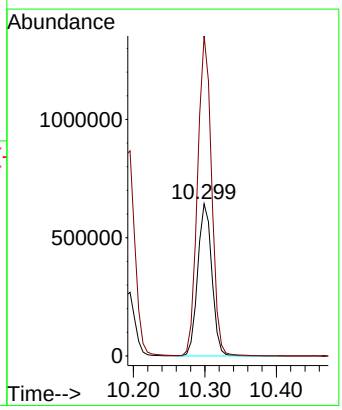


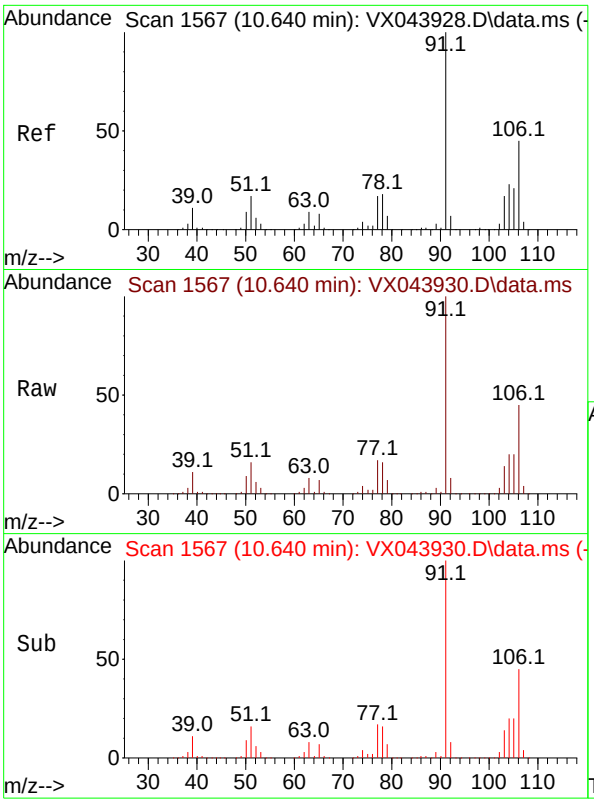




#68
m/p-Xylenes
Concen: 313.360 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:106 Resp: 884067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 168.1 | 252.1 |



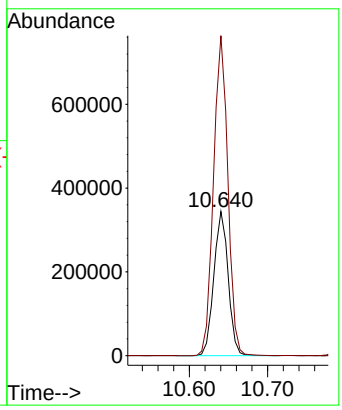


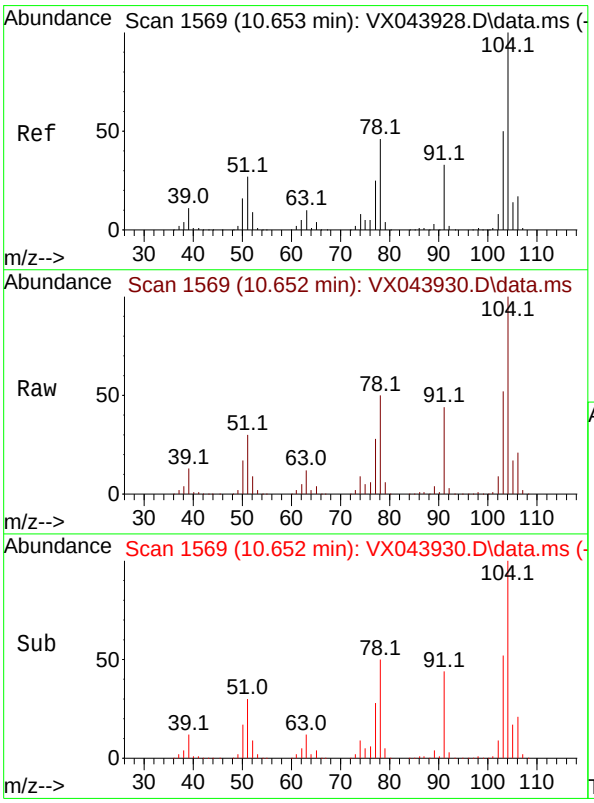

#69
o-Xylene
Concen: 158.616 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 436919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 110.2 | 330.6 |

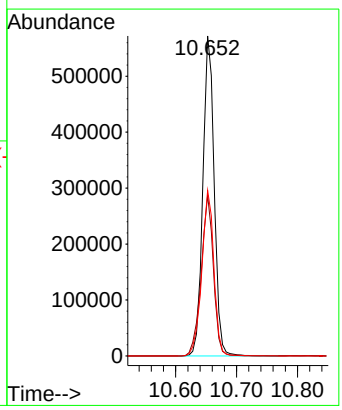


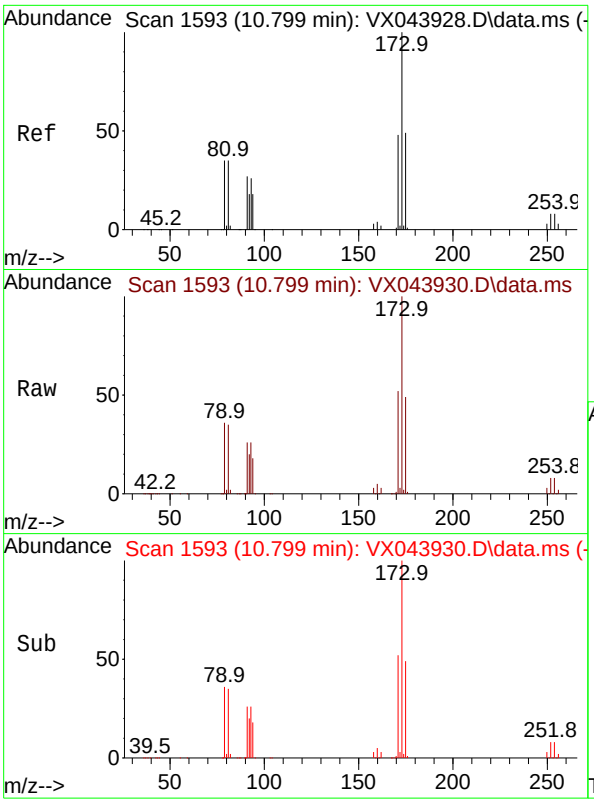




#70
Styrene
Concen: 162.878 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:104 Resp: 742061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.2 | 42.2 | 63.2 |
| 103 | 55.2 | 44.7 | 67.1 |



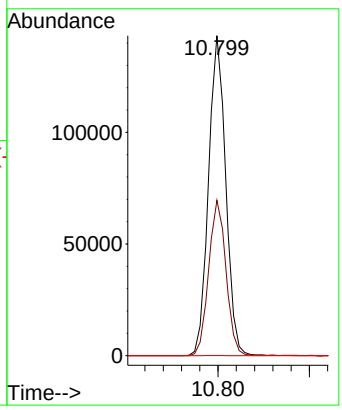


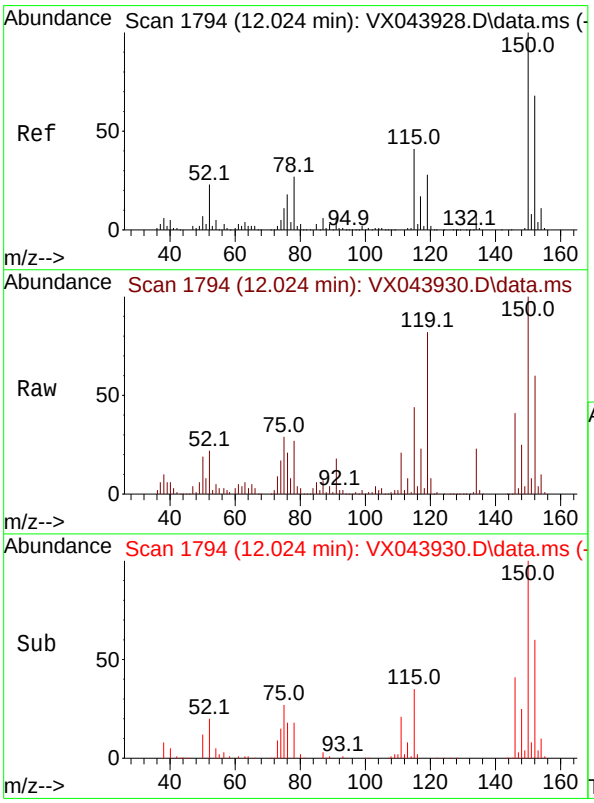

#71
Bromoform
Concen: 150.272 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 186691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.9 | 24.1 | 72.2 |
| 254 | 0.1 | 0.0 | 0.0# |

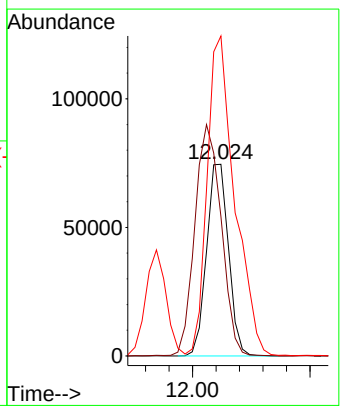


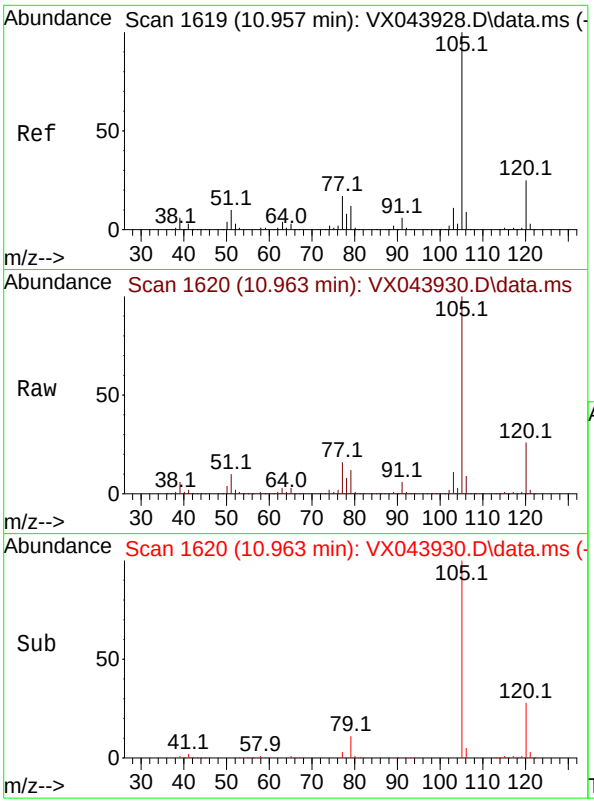




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:152 Resp: 96376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 145.9 | 45.4 | 136.2# |
| 150 | 210.2 | 0.0 | 353.0 |



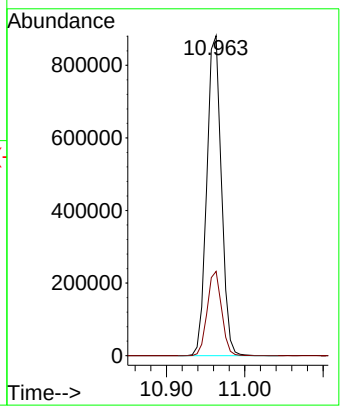


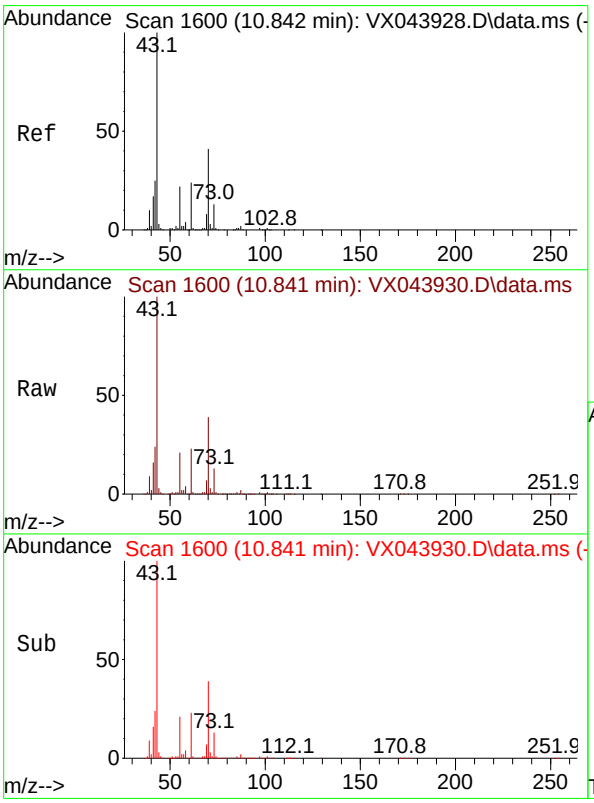

#73
Isopropylbenzene
Concen: 153.248 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1135309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

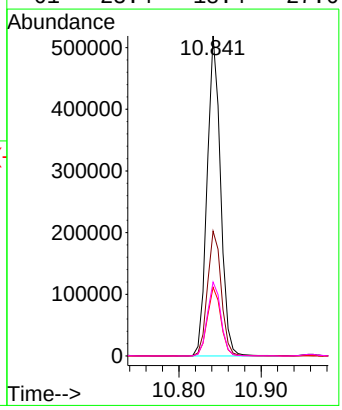


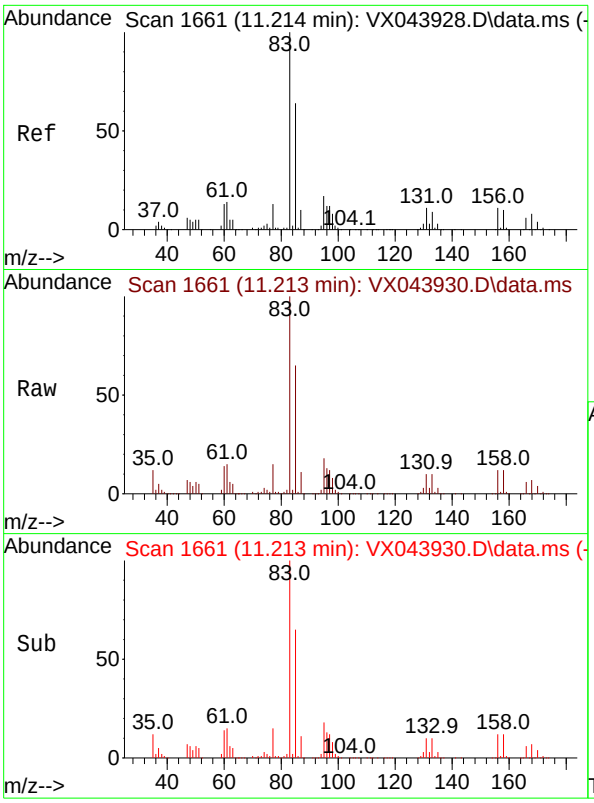




#74
N-amyl acetate
Concen: 170.913 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 32.2 | 48.2 |
| 55 | 21.7 | 18.1 | 27.1 |
| 61 | 23.4 | 18.4 | 27.6 |



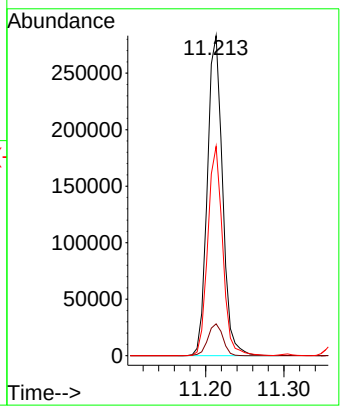


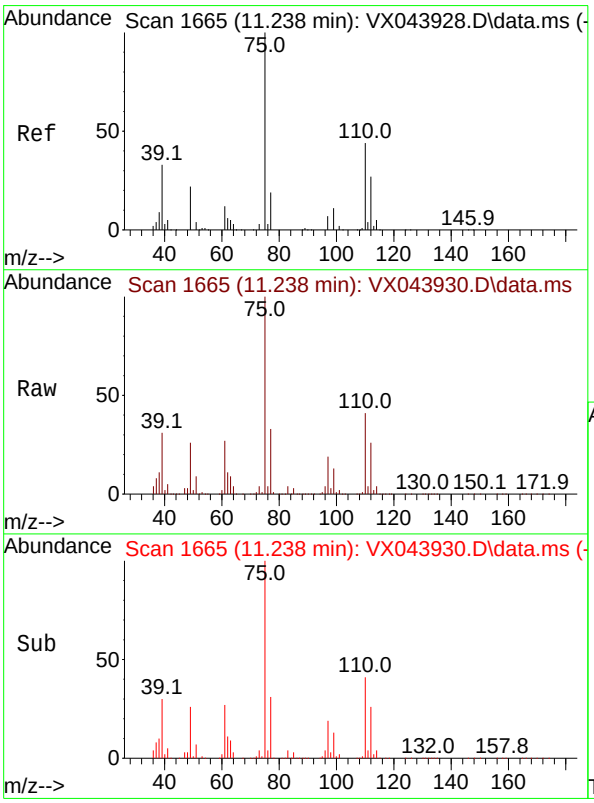

#75
1,1,2,2-Tetrachloroethane
Concen: 149.781 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 379947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.2 |
| 85 | 64.1 | 32.2 | 96.6 |

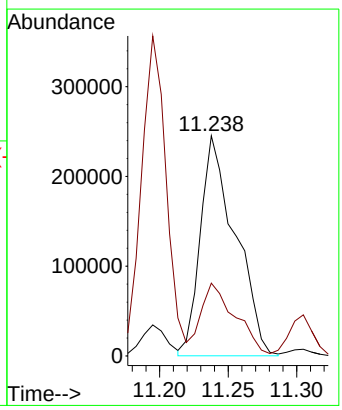


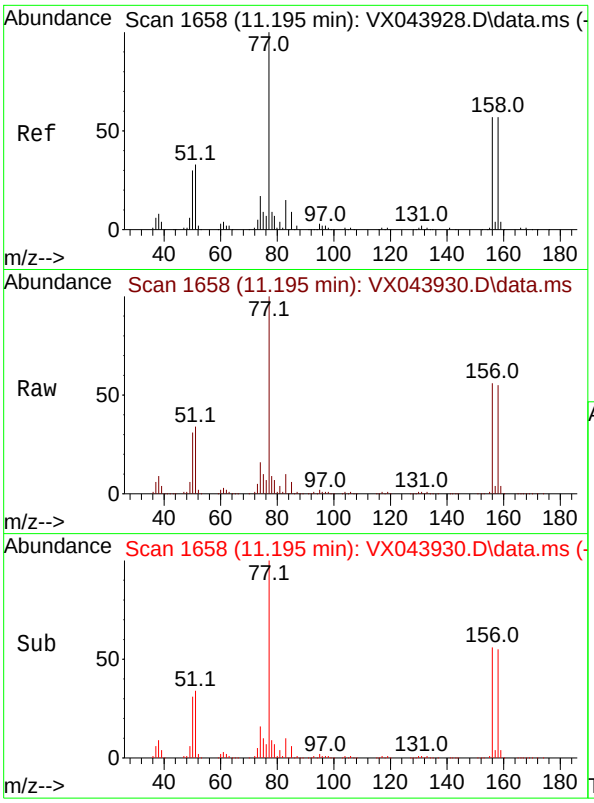




#76
1,2,3-Trichloropropane
Concen: 210.095 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 436650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 21.8 | 65.3 |



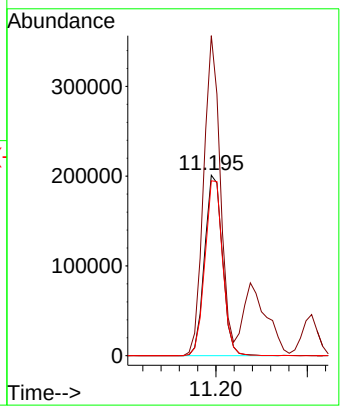


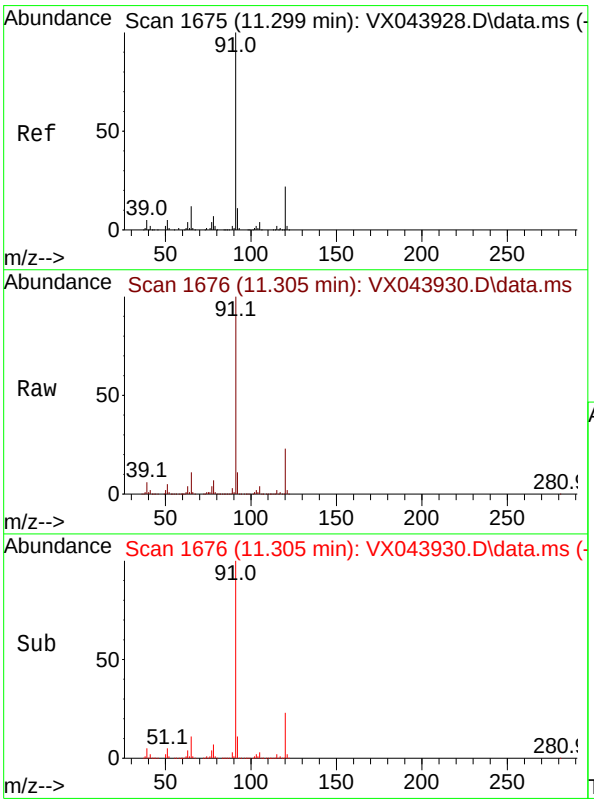

#77
Bromobenzene
Concen: 153.159 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 270671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 166.5 | 83.4 | 250.1 |
| 158 | 96.8 | 47.6 | 142.8 |

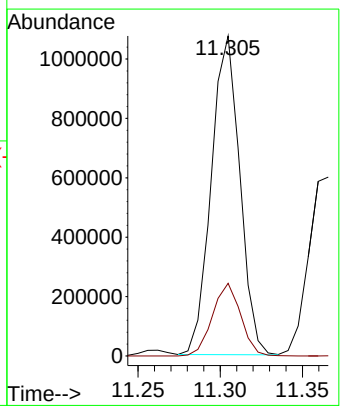


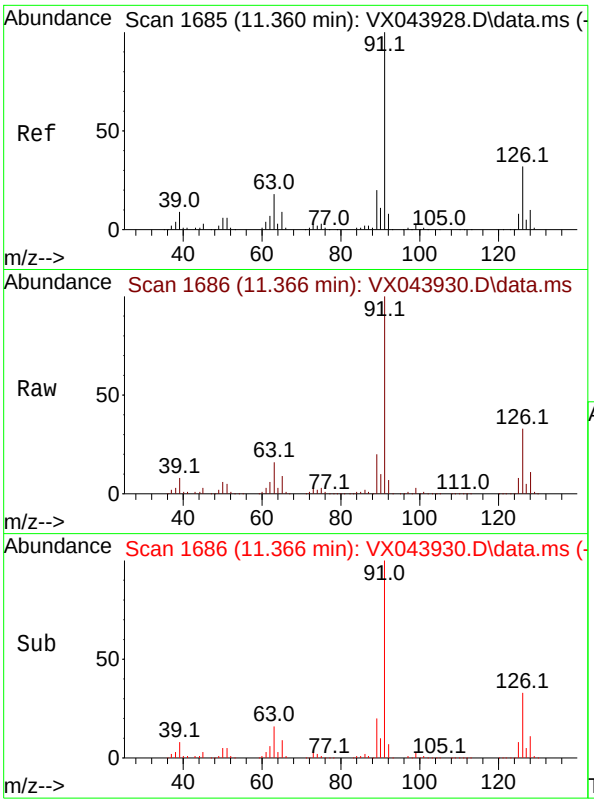




#78
n-propylbenzene
Concen: 156.752 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 1296979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.5 | 34.4 |



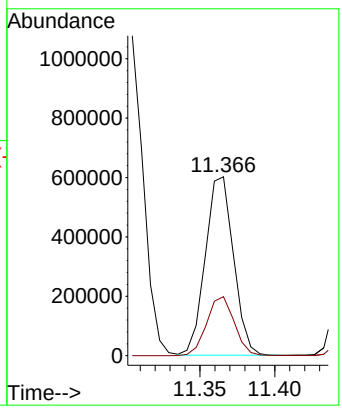


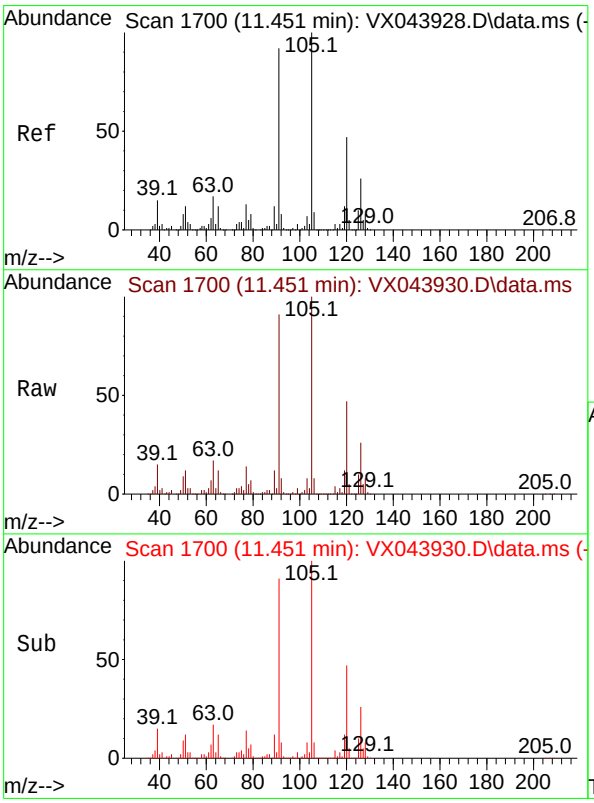

#79
2-Chlorotoluene
Concen: 150.642 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 788163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.6 | 49.8 |

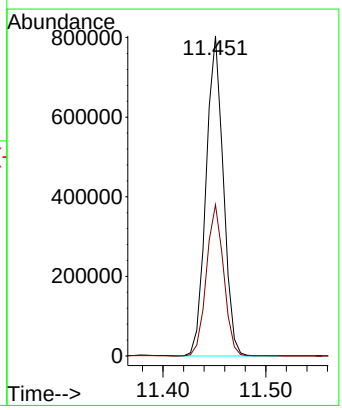


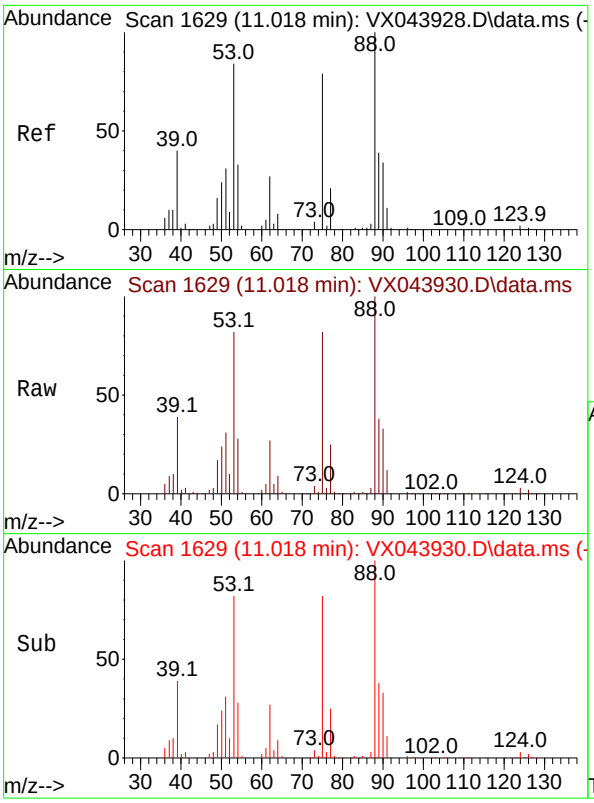




#80
1,3,5-Trimethylbenzene
Concen: 153.592 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 936129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.3 | 69.8 |



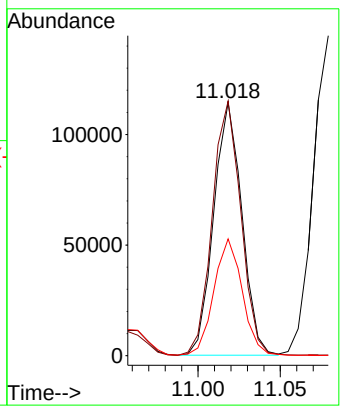


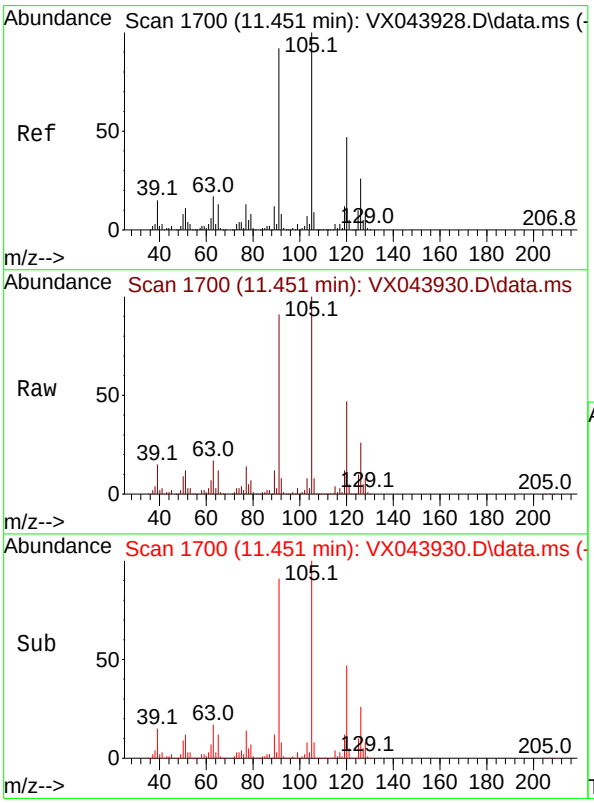

#81
trans-1,4-Dichloro-2-butene
Concen: 175.724 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 136104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.1 | 86.7 | 130.1 |
| 89 | 47.0 | 38.2 | 57.2 |

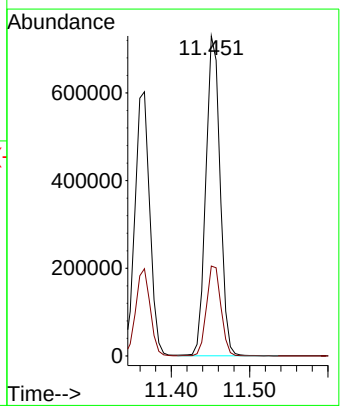


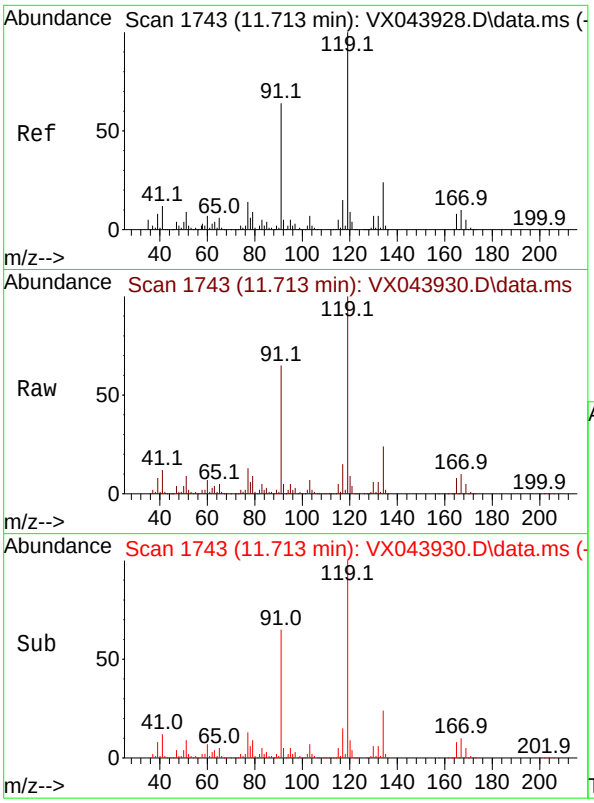




#82
4-Chlorotoluene
Concen: 155.679 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |



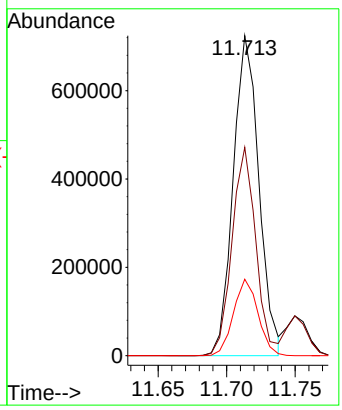


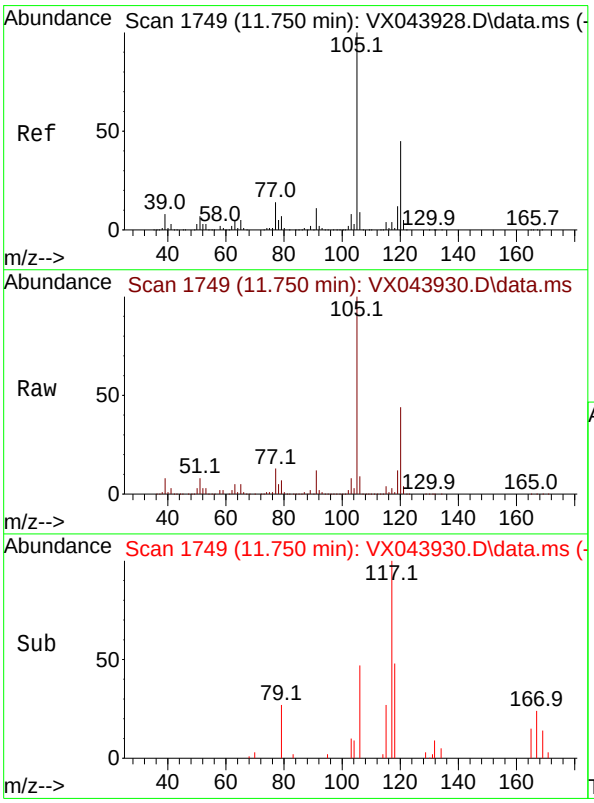

#83
tert-Butylbenzene
Concen: 156.438 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 945058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.6 | 31.0 | 93.0 |
| 134 | 22.9 | 11.6 | 34.8 |

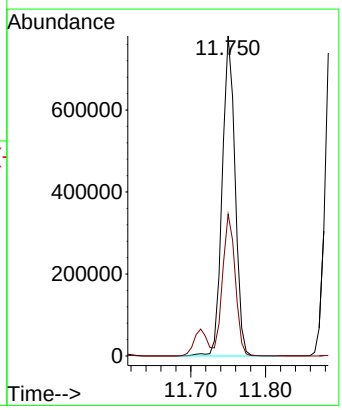


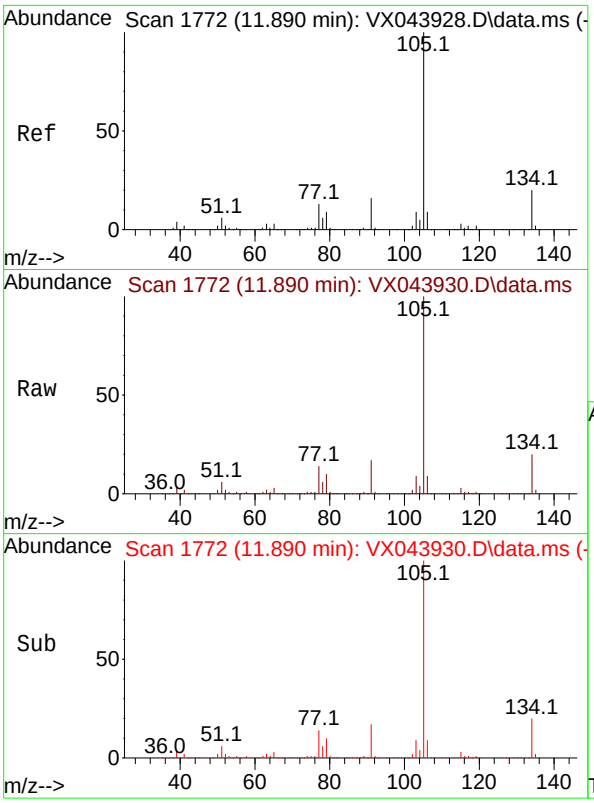




#84
1,2,4-Trimethylbenzene
Concen: 153.802 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.9 | 65.7 |



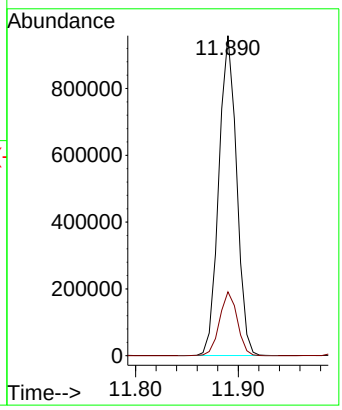


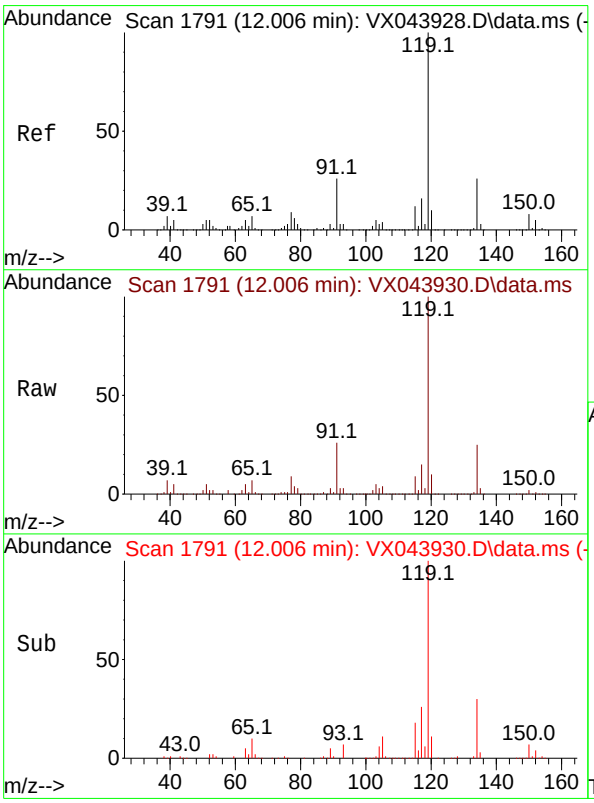

#85
sec-Butylbenzene
Concen: 155.218 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1148877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.7 | 29.1 |

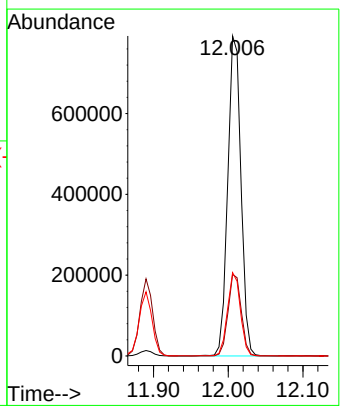


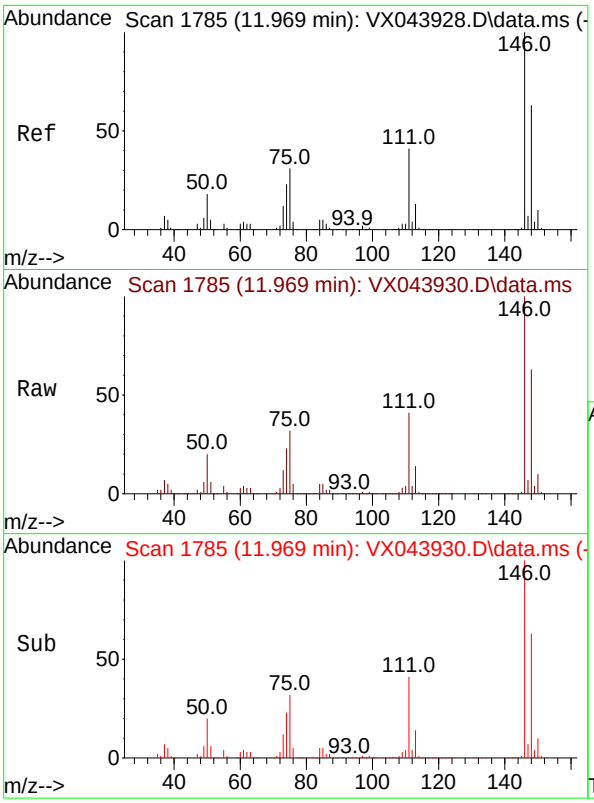




#86
p-Isopropyltoluene
Concen: 161.670 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:119 Resp: 972007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 25.4 | 13.0 | 38.9 |



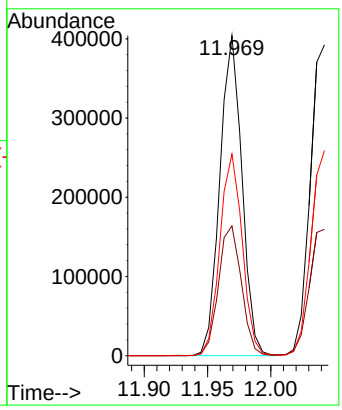


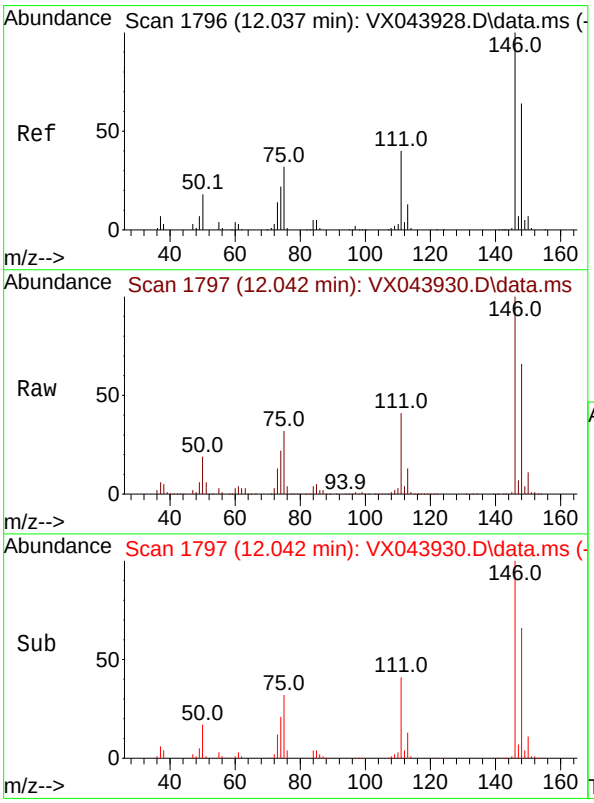

#87
1,3-Dichlorobenzene
Concen: 152.338 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 490336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.1 | 63.3 |
| 148 | 63.8 | 31.7 | 95.1 |

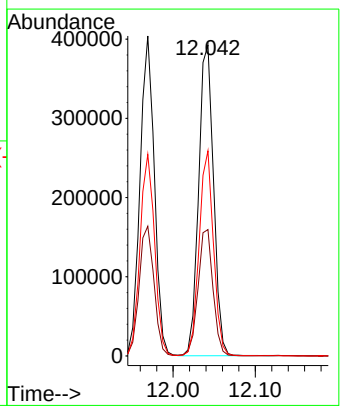


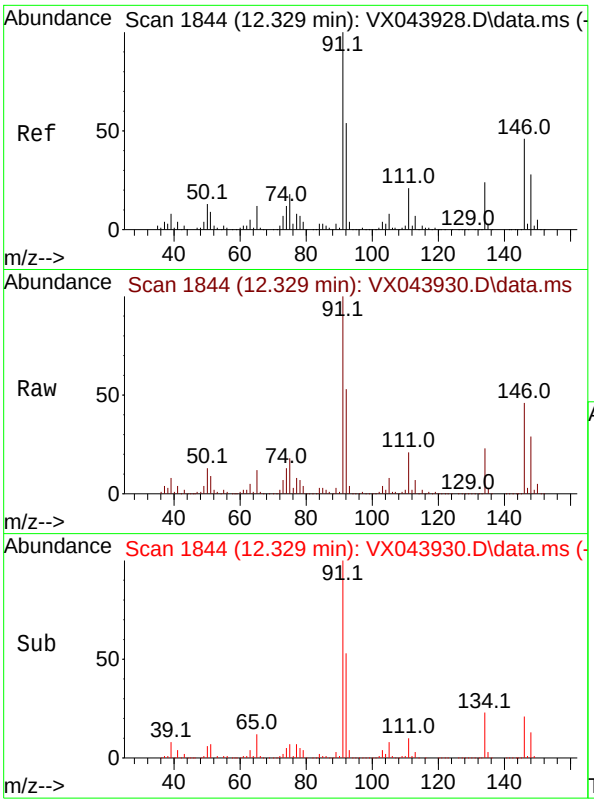




#88
1,4-Dichlorobenzene
Concen: 151.224 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 20.1 | 60.3 |
| 148 | 63.5 | 30.9 | 92.8 |



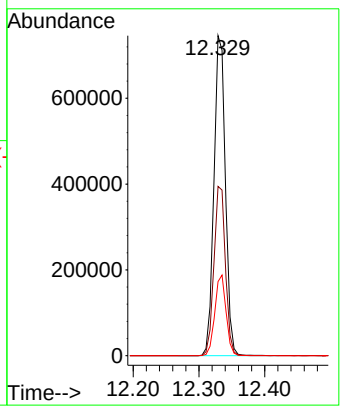


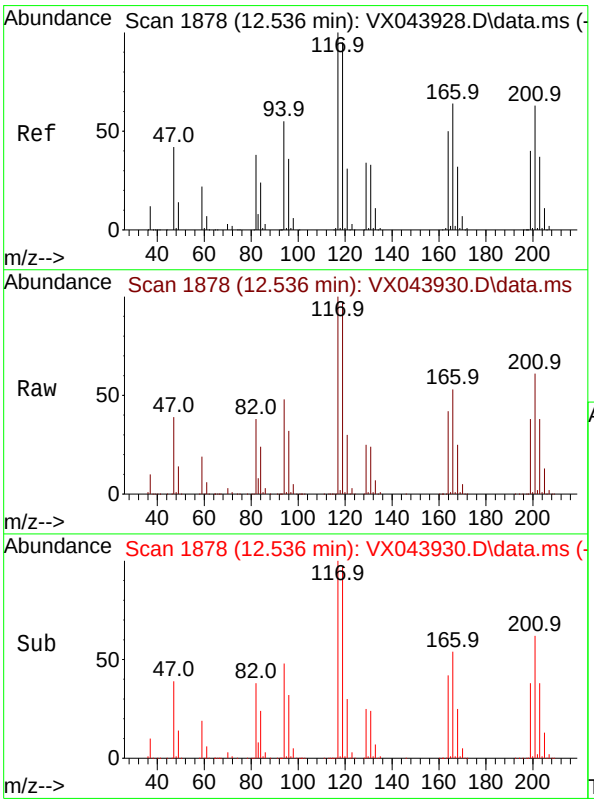

#89
n-Butylbenzene
Concen: 170.502 ug/l
RT: 12.329 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 903805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |

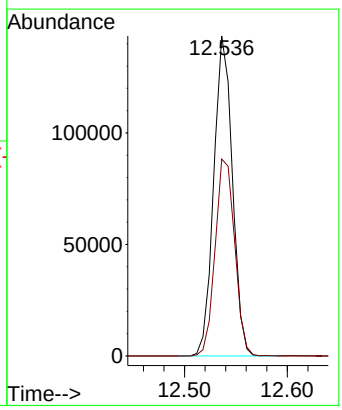


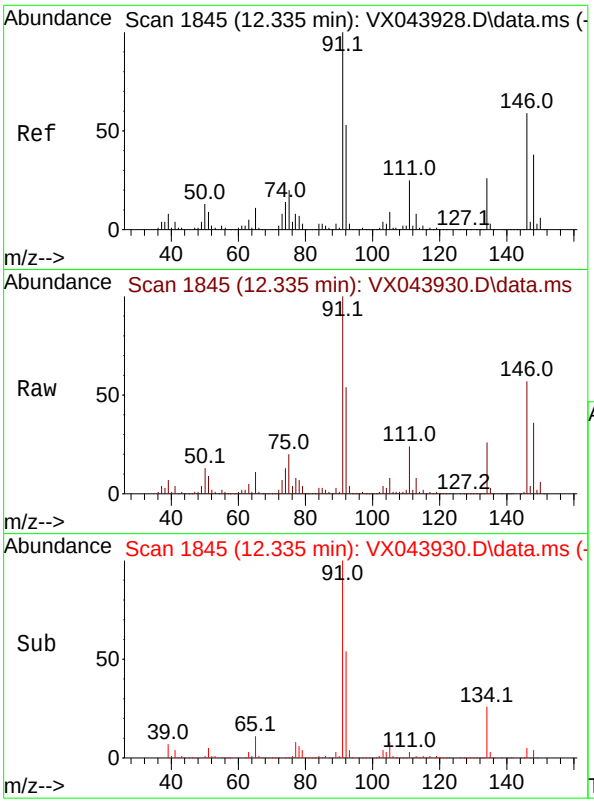




#90
Hexachloroethane
Concen: 176.628 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:117 Resp: 180575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.6 | 32.4 | 97.0 |



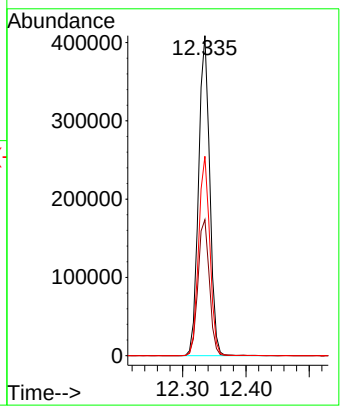


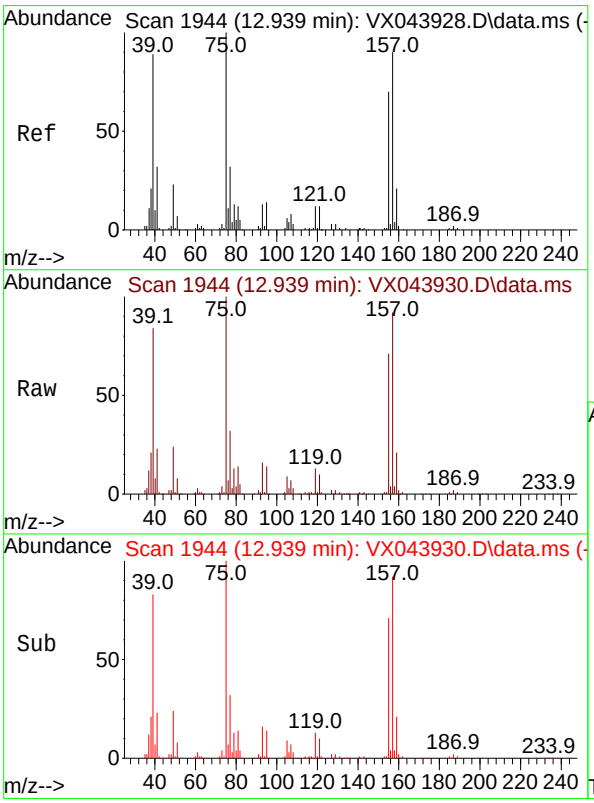

#91
1,2-Dichlorobenzene
Concen: 154.918 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 503214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.5 | 64.5 |
| 148 | 62.6 | 31.9 | 95.5 |

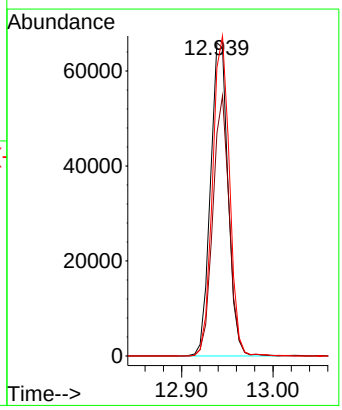


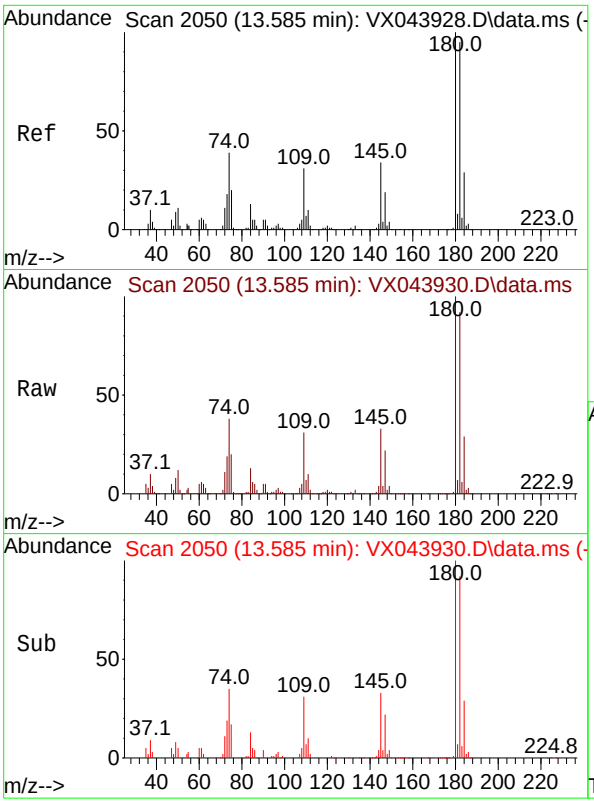




#92
1,2-Dibromo-3-Chloropropane
Concen: 173.059 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion: 75 Resp: 87963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.7 | 40.1 | 120.2 |
| 157 | 98.7 | 49.6 | 149.0 |



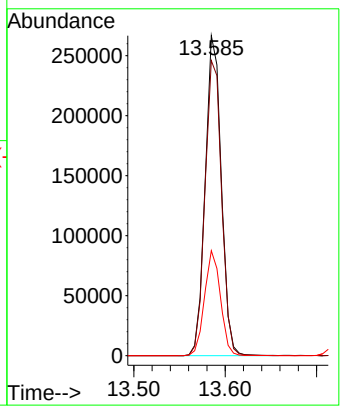


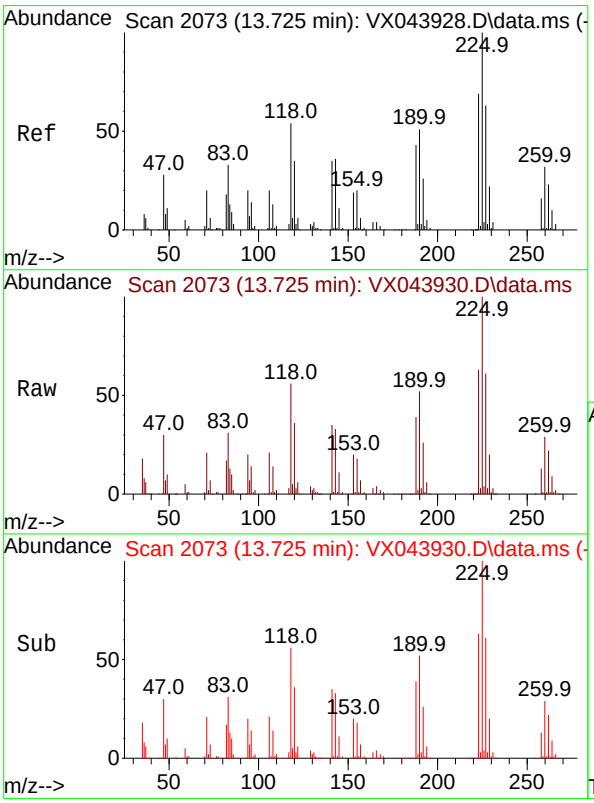

#93
1,2,4-Trichlorobenzene
Concen: 169.860 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 325289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 48.0 | 144.2 |
| 145 | 32.5 | 16.8 | 50.4 |

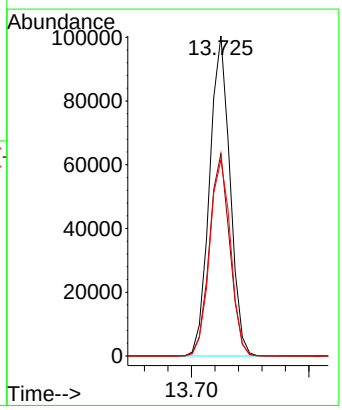


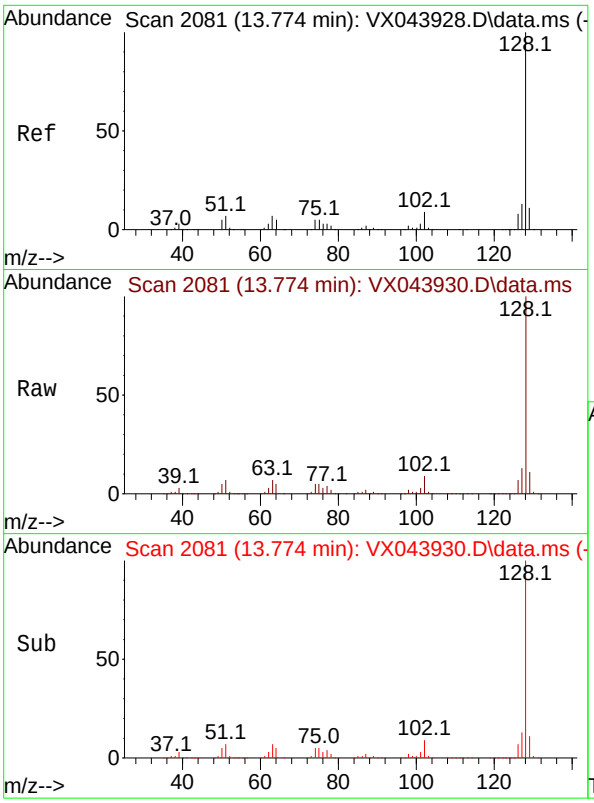




#94
Hexachlorobutadiene
Concen: 160.037 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:225 Resp: 121126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 32.9 | 98.6 |
| 227 | 62.8 | 31.6 | 94.8 |



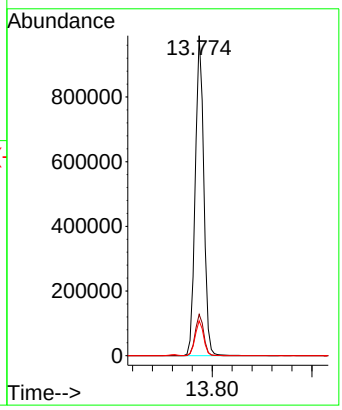


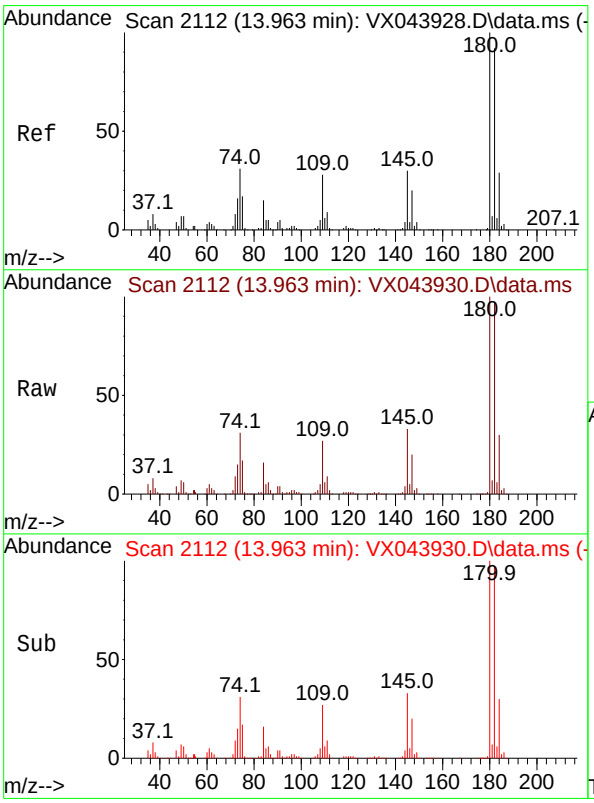

#95
Naphthalene
Concen: 170.179 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 1173154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.9 | 8.6 | 12.8 |

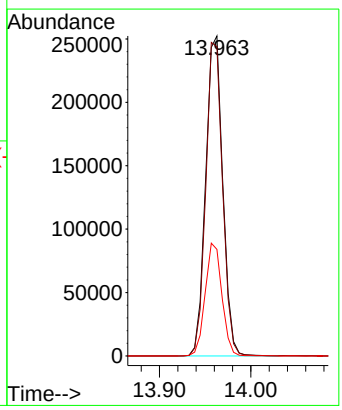



#96
1,2,3-Trichlorobenzene
Concen: 168.544 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043930.D
Acq: 21 Nov 2024 12:03

Tgt Ion:180 Resp: 326693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 45.6 | 136.8 |
| 145 | 34.6 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 131073 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 229009 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 198776 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 96489 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 112818 | 50.183 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.360% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 85815 | 52.442 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.880% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 289000 | 51.234 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.460% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 103640 | 53.987 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.980% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 83916 | 50.537 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 85795 | 49.100 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 93147 | 50.118 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 53783 | 47.040 | ug/l | 100 |
| 6) Chloroethane | 1.660 | 64 | 46342 | 40.921 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 177461 | 53.407 | ug/l | 99 |
| 8) Diethyl Ether | 2.130 | 74 | 57339 | 47.345 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 80458 | 50.762 | ug/l | 98 |
| 10) Methyl Iodide | 2.441 | 142 | 96234 | 48.614 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.995 | 59 | 85927 | 238.127 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 72787 | 48.192 | ug/l | 99 |
| 13) Acrolein | 2.233 | 56 | 89571 | 235.500 | ug/l | 98 |
| 14) Allyl chloride | 2.654 | 41 | 127367 | 51.610 | ug/l | 99 |
| 15) Acrylonitrile | 3.063 | 53 | 227832 | 259.090 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 257802 | 249.676 | ug/l | 99 |
| 17) Carbon Disulfide | 2.496 | 76 | 153826 | 49.375 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 121774 | 50.643 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 275221 | 50.186 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 82274 | 46.954 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 76687 | 49.179 | ug/l | 97 |
| 22) Diisopropyl ether | 3.758 | 45 | 264554 | 50.132 | ug/l | 96 |
| 23) Vinyl Acetate | 3.715 | 43 | 1189244 | 263.441 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 153635 | 50.466 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 348803 | 261.804 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 143910 | 52.343 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 95076 | 49.326 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 62874 | 46.920 | ug/l | 96 |
| 29) Tetrahydrofuran | 5.001 | 42 | 207942 | 254.585 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 163357 | 49.891 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 128482 | 51.278 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 144908 | 51.320 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 108518 | 53.218 | ug/l | 97 |
| 37) Ethyl Acetate | 4.709 | 43 | 133283 | 52.656 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 118655 | 51.786 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 141696 | 53.489 | ug/l | 93 |
| 40) Benzene | 6.025 | 78 | 319222 | 50.257 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.916 | 41 | 69766 | 53.851 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 128623 | 50.421 ug/l | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 207332 | 51.469 ug/l | 99 |
| 44) Trichloroethene | 7.117 | 130 | 80113 | 44.554 ug/l | 90 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 74380 | 47.811 ug/l | 98 |
| 46) Dibromomethane | 7.574 | 93 | 62345 | 50.662 ug/l | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 116199 | 52.648 ug/l | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 101062 | 52.284 ug/l | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 31178 | 905.506 ug/l # | 86 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 652721 | 265.520 ug/l | 100 |
| 52) Toluene | 8.714 | 92 | 195814 | 51.507 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 119461 | 53.077 ug/l | 96 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 128808 | 52.205 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 78575 | 50.069 ug/l | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 129841 | 53.118 ug/l | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 134680 | 50.945 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 315358 | 235.230 ug/l | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 504444 | 273.011 ug/l | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 82754 | 52.557 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 83098 | 52.367 ug/l | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 66054 | 50.396 ug/l | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 209963 | 48.094 ug/l | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 74354 | 52.515 ug/l | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 377215 | 50.991 ug/l | 97 |
| 68) m/p-Xylenes | 10.299 | 106 | 282971 | 102.572 ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 138437 | 51.396 ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 230449 | 51.728 ug/l | 99 |
| 71) Bromoform | 10.799 | 173 | 50837 | 47.449 ug/l # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 365084 | 49.222 ug/l | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 176627 | 51.406 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 125346 | 49.356 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 139865 | 66.099 ug/l | 83 |
| 77) Bromobenzene | 11.195 | 156 | 85070 | 48.081 ug/l | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 419586 | 50.652 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 249079 | 47.551 ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 305922 | 50.134 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 38583 | 49.756 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 287717 | 48.652 ug/l | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 303408 | 50.165 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 306251 | 50.410 ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 372793 | 50.307 ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 310060 | 51.511 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 153164 | 47.529 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.043 | 146 | 155422 | 47.306 ug/l | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 276075 | 52.020 ug/l | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 51229 | 50.050 ug/l | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 154980 | 47.656 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 25968 | 51.030 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 94896 | 49.495 ug/l | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 37937 | 50.065 ug/l | 97 |
| 95) Naphthalene | 13.774 | 128 | 357725 | 51.831 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 99447 | 51.246 ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

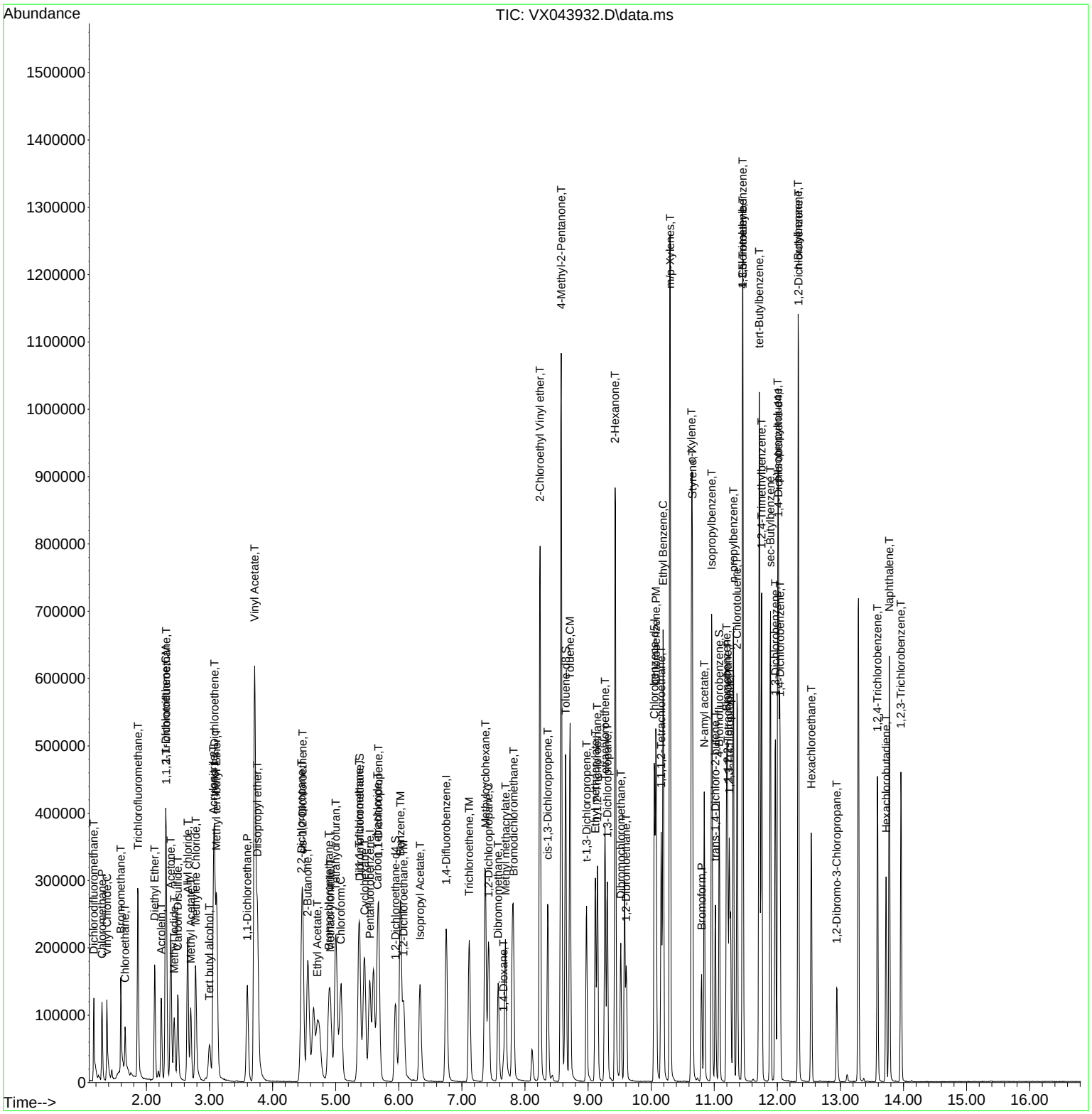
(#) = qualifier out of range (m) = manual integration (+) = signals summed

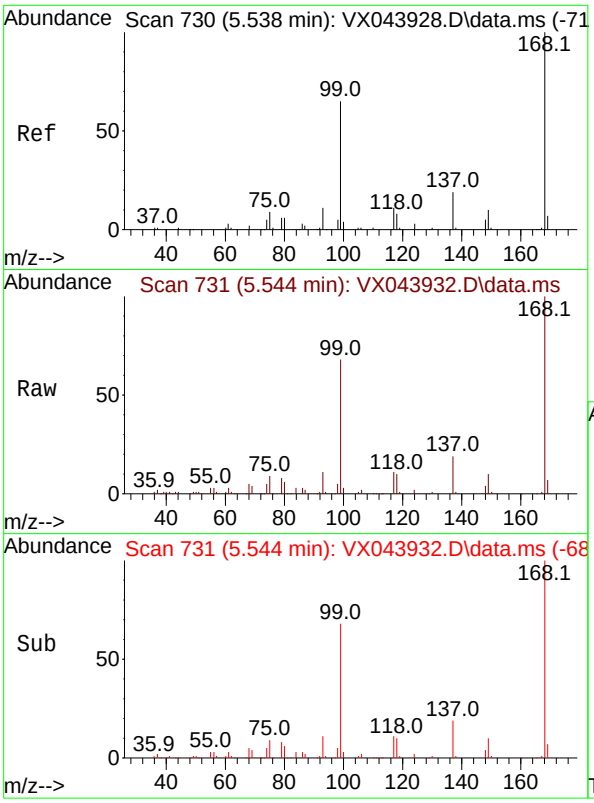
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On : 21 Nov 2024 13:57
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Quant Time: Nov 22 03:54:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



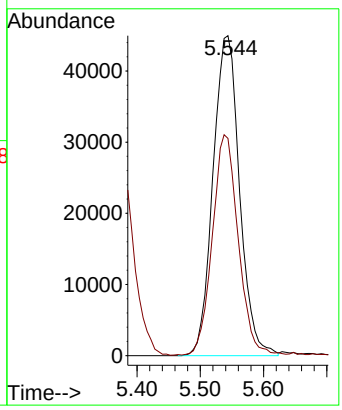


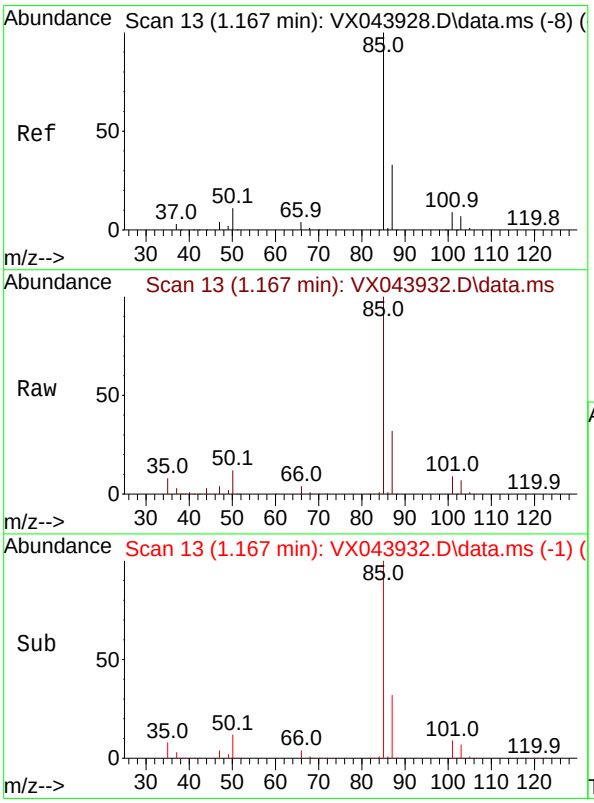

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:168 Resp: 131073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.5 | 51.8 | 77.8 |

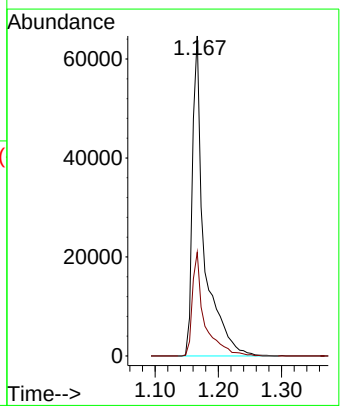


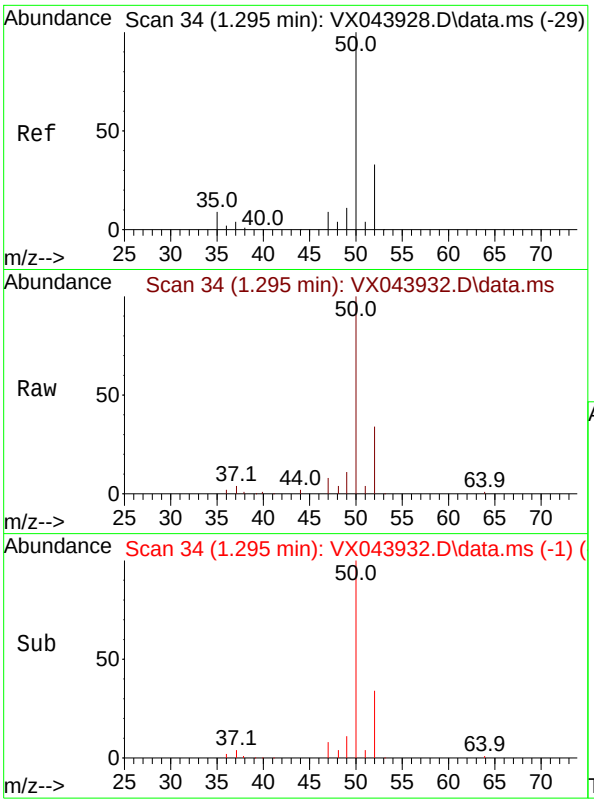




#2
Dichlorodifluoromethane
Concen: 50.537 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 16.6 | 49.8 |



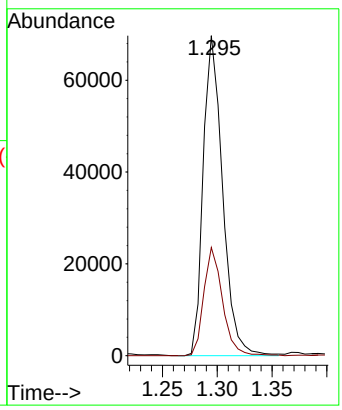


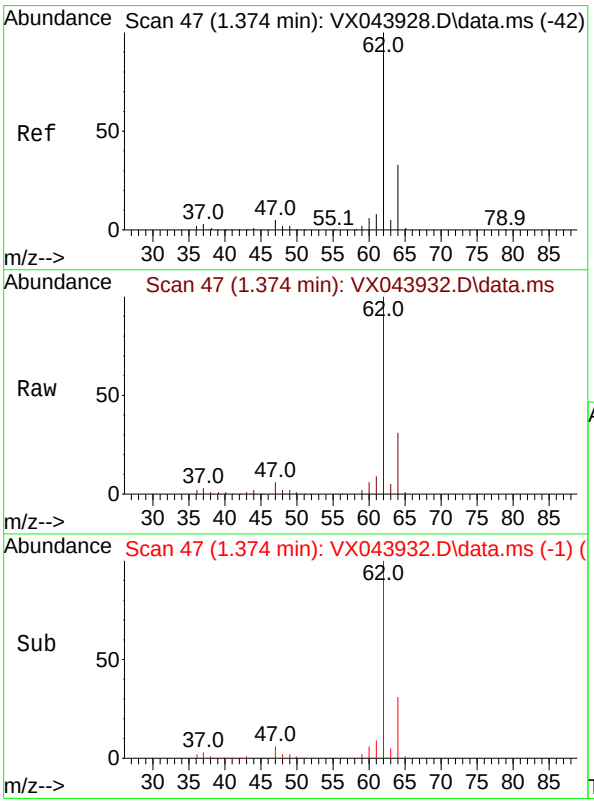

#3
Chloromethane
Concen: 49.100 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 50 Resp: 85795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |

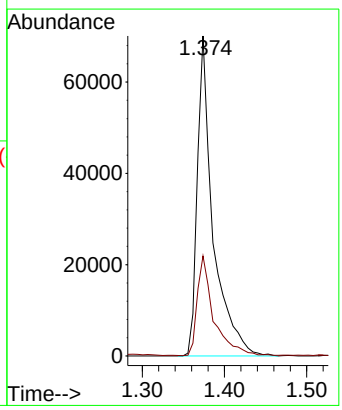


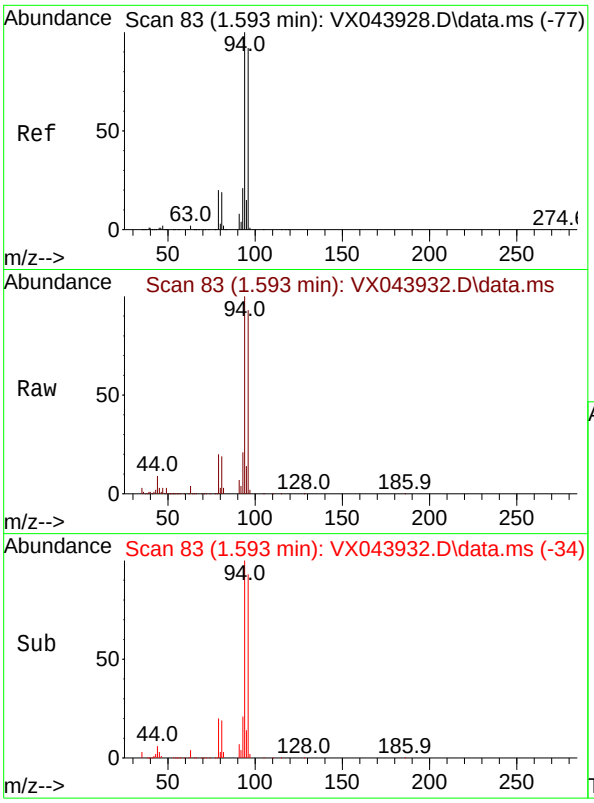




#4
Vinyl Chloride
Concen: 50.118 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.2 | 39.4 |



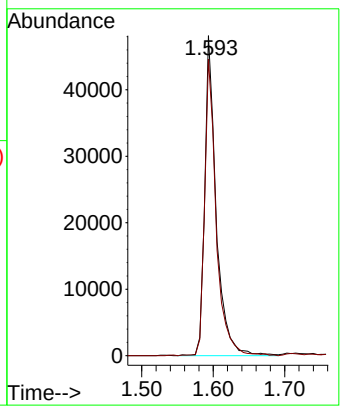


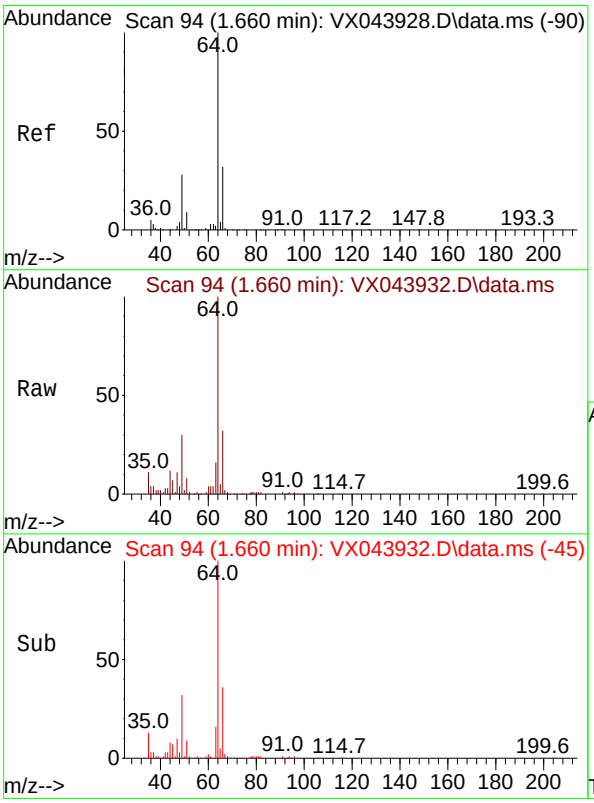

#5
Bromomethane
Concen: 47.040 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 94 Resp: 53783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.7 | 73.9 | 110.9 |

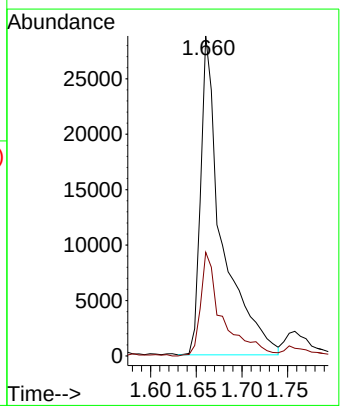


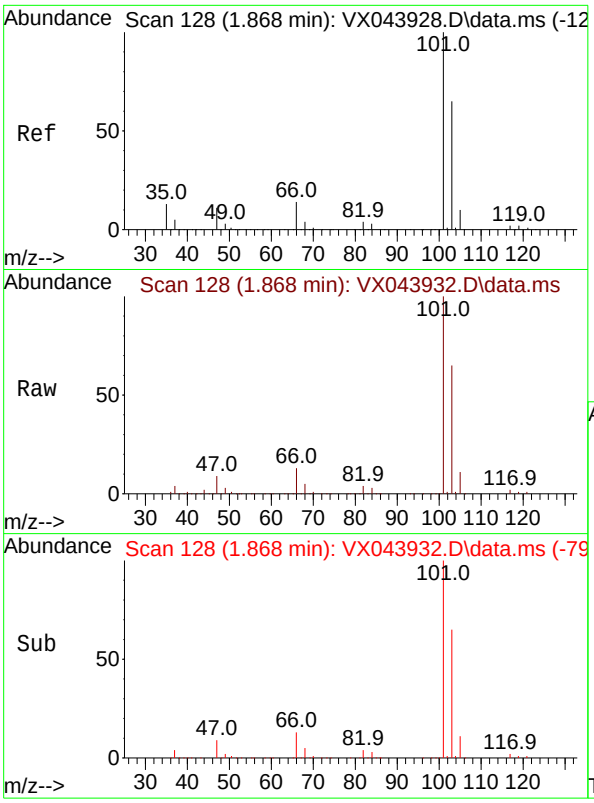




#6
Chloroethane
Concen: 40.921 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 64 Resp: 46342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.5 | 25.9 | 38.9 |



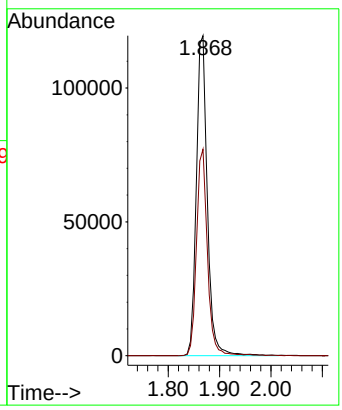


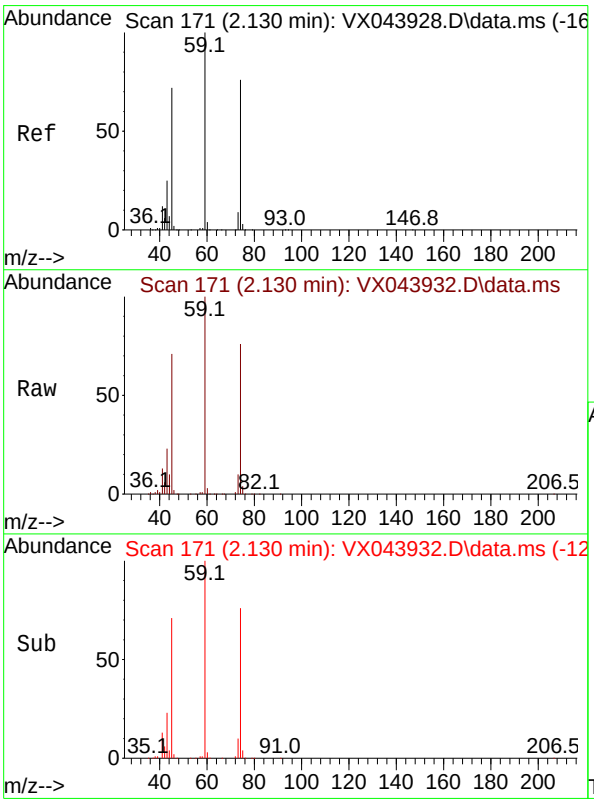

#7
Trichlorofluoromethane
Concen: 53.407 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:101 Resp: 177461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.5 | 52.2 | 78.2 |

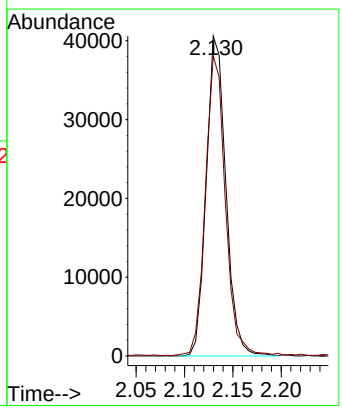


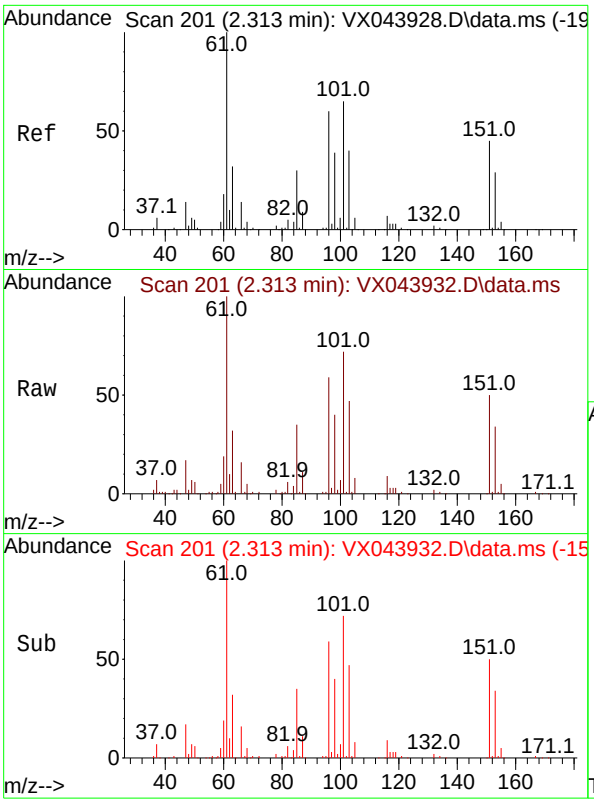




#8
Diethyl Ether
Concen: 47.345 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.6 | 47.9 | 143.6 |



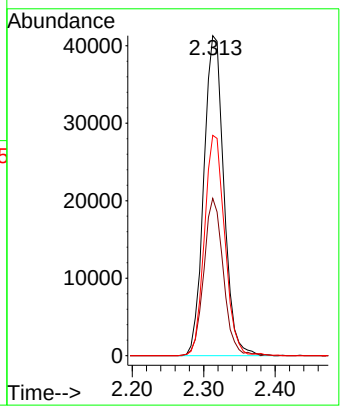


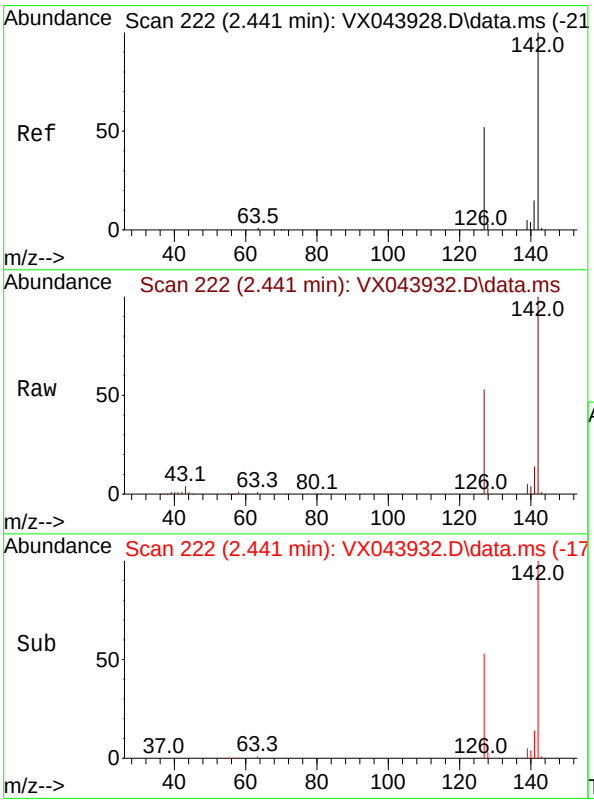

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.762 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:101 Resp: 80458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.7 | 37.9 | 56.9 |
| 151 | 69.3 | 57.5 | 86.3 |

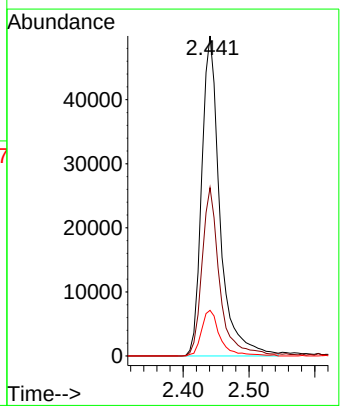


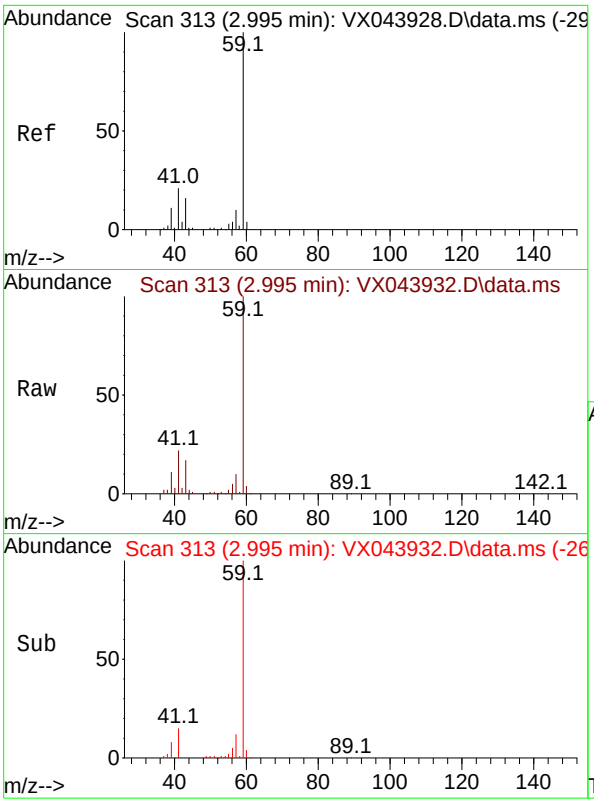




#10
Methyl Iodide
Concen: 48.614 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.9 | 40.7 | 61.1 |
| 141 | 14.6 | 12.0 | 18.0 |



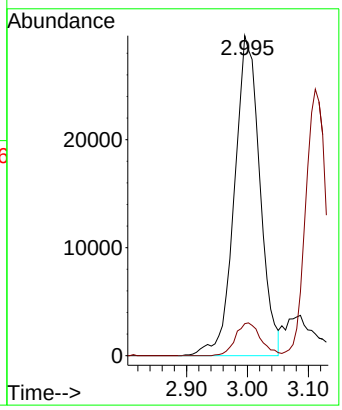


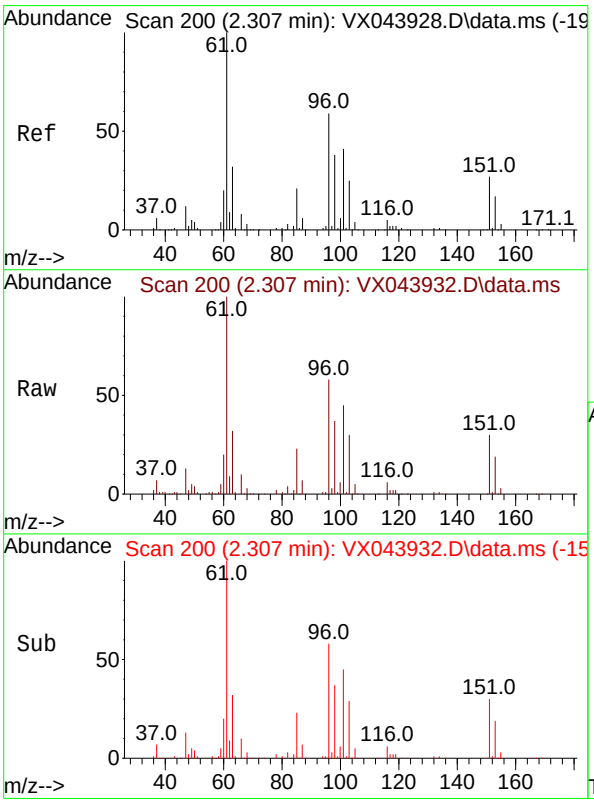

#11
Tert butyl alcohol
Concen: 238.127 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 59 Resp: 85927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

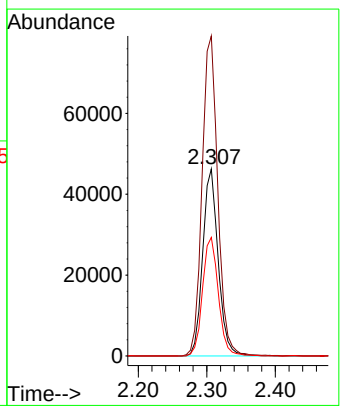


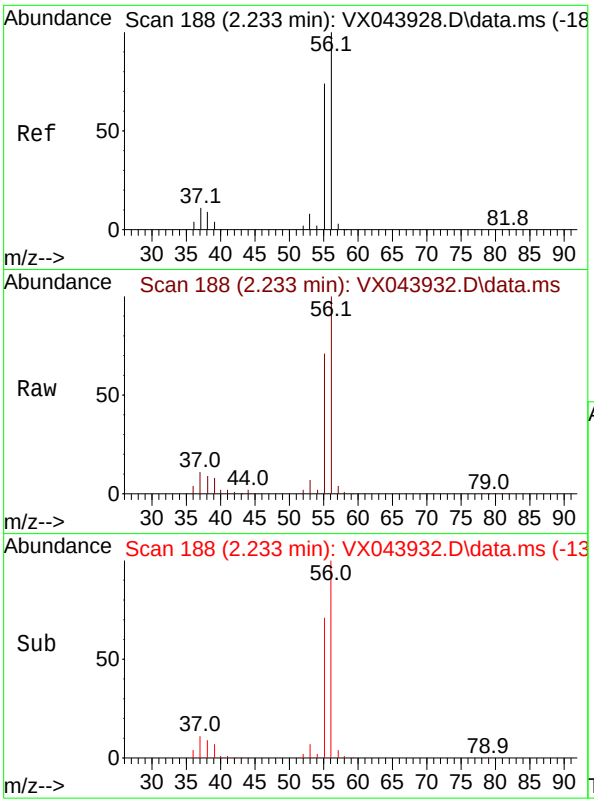




#12
1,1-Dichloroethene
Concen: 48.192 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 135.5 | 203.3 |
| 98 | 63.4 | 50.8 | 76.2 |



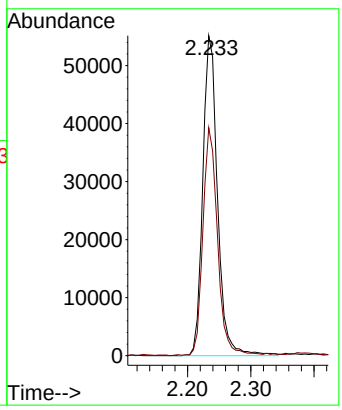


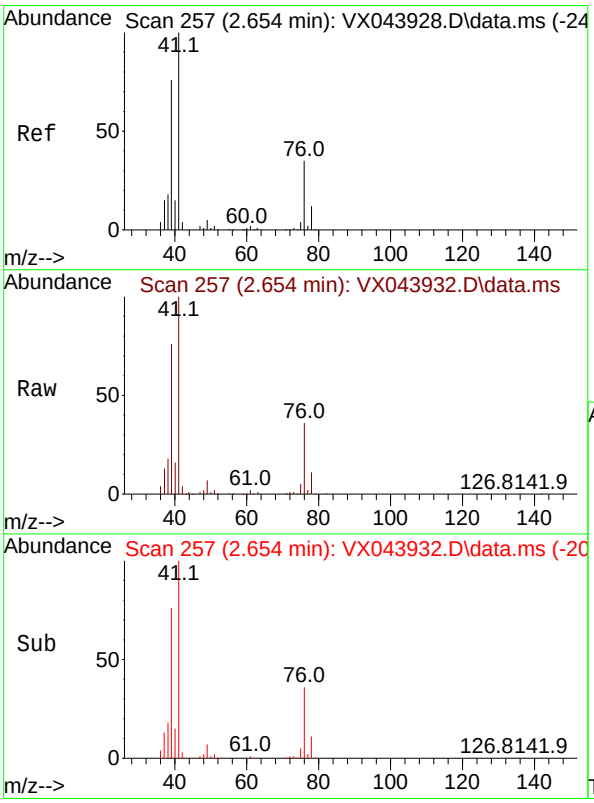

#13
Acrolein
Concen: 235.500 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 56 Resp: 89571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 58.2 | 87.2 |

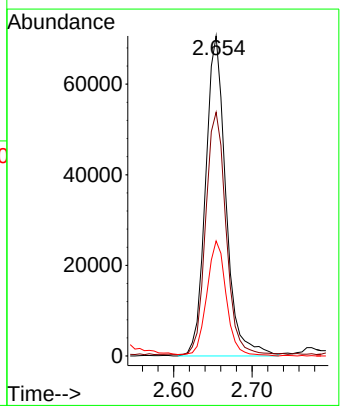


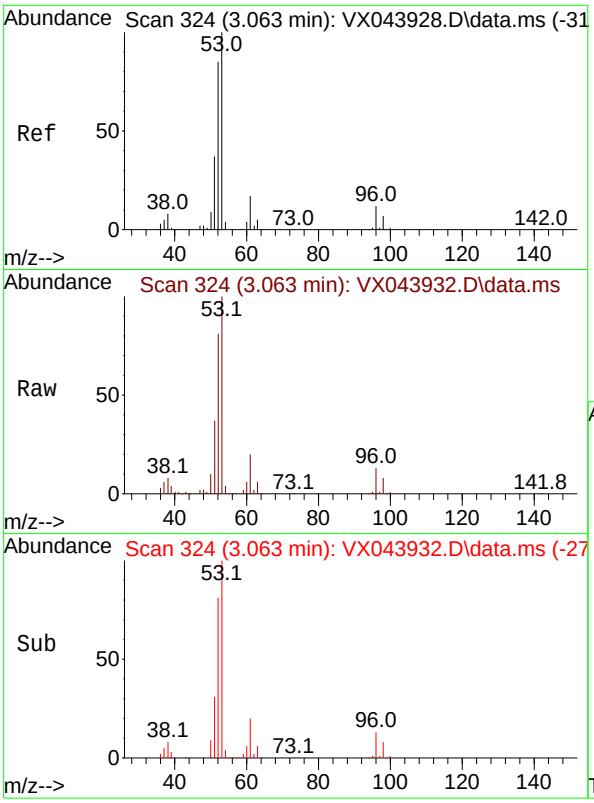




#14
Allyl chloride
Concen: 51.610 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.3 | 59.5 | 89.3 |
| 76 | 34.5 | 27.4 | 41.2 |



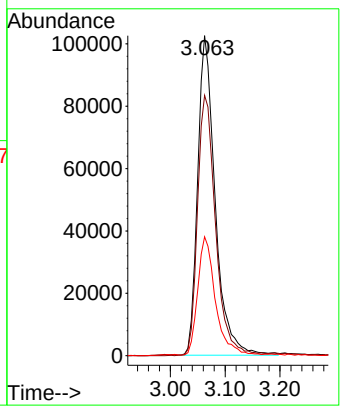


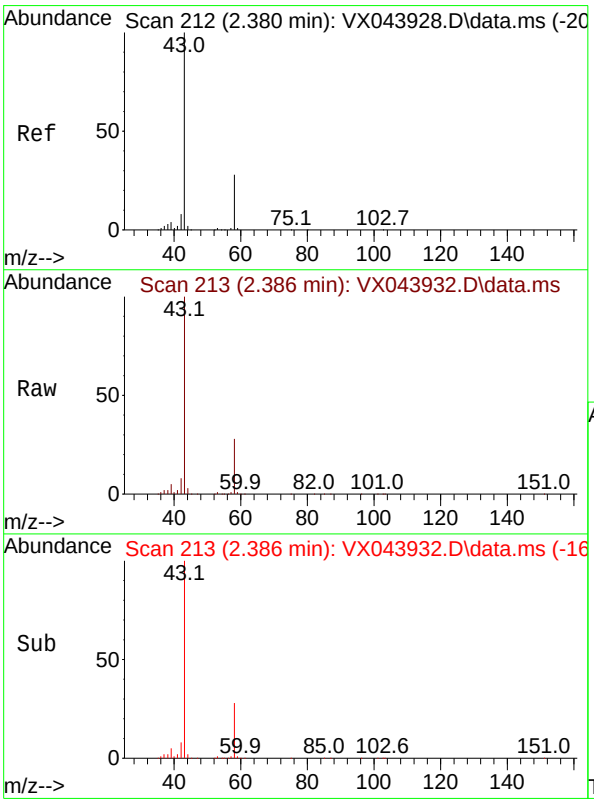

#15
Acrylonitrile
Concen: 259.090 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 53 Resp: 227832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 66.5 | 99.7 |
| 51 | 37.2 | 30.2 | 45.4 |

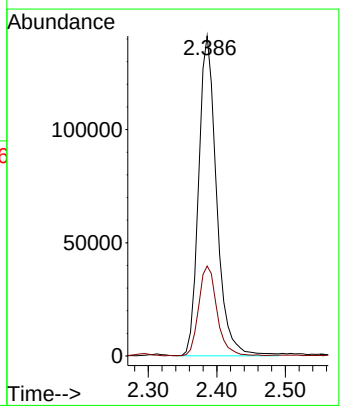


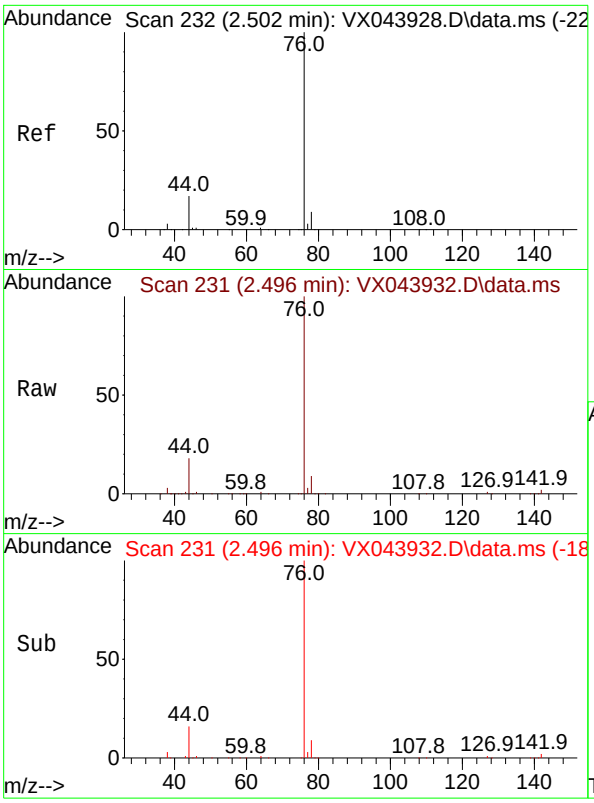




#16
Acetone
Concen: 249.676 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.0 | 22.7 | 34.1 |



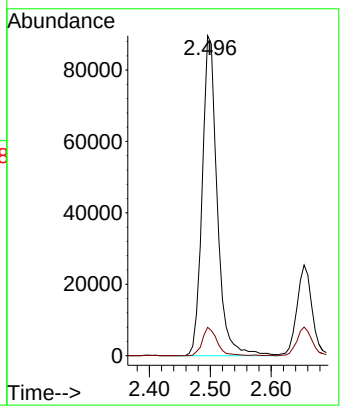


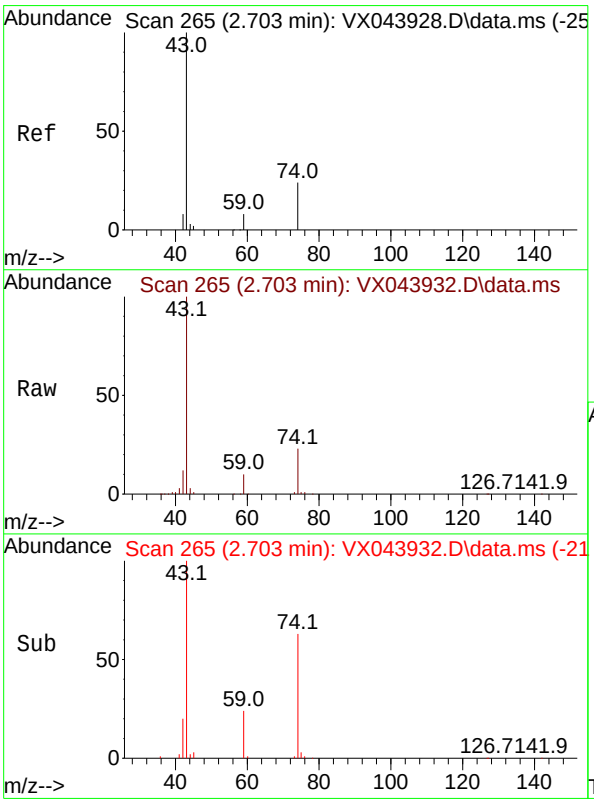

#17
Carbon Disulfide
Concen: 49.375 ug/l
RT: 2.496 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 76 Resp: 153826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 7.0 | 10.6 |

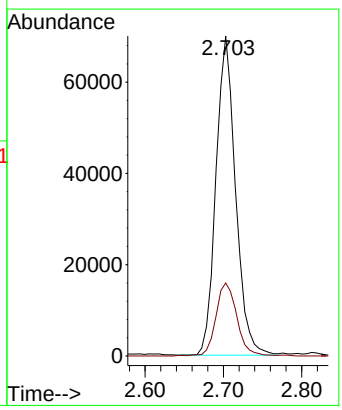


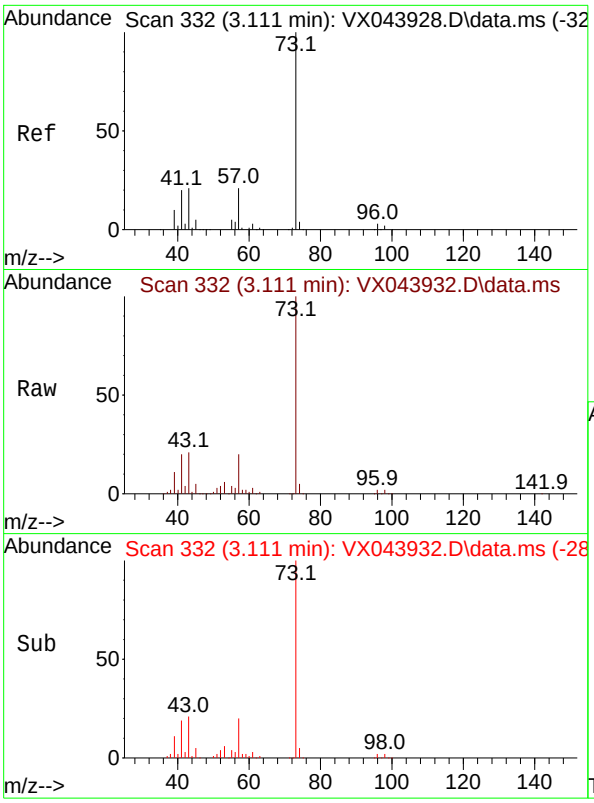




#18
Methyl Acetate
Concen: 50.643 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.5 | 18.9 | 28.3 |



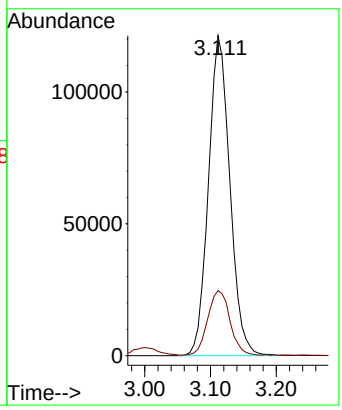


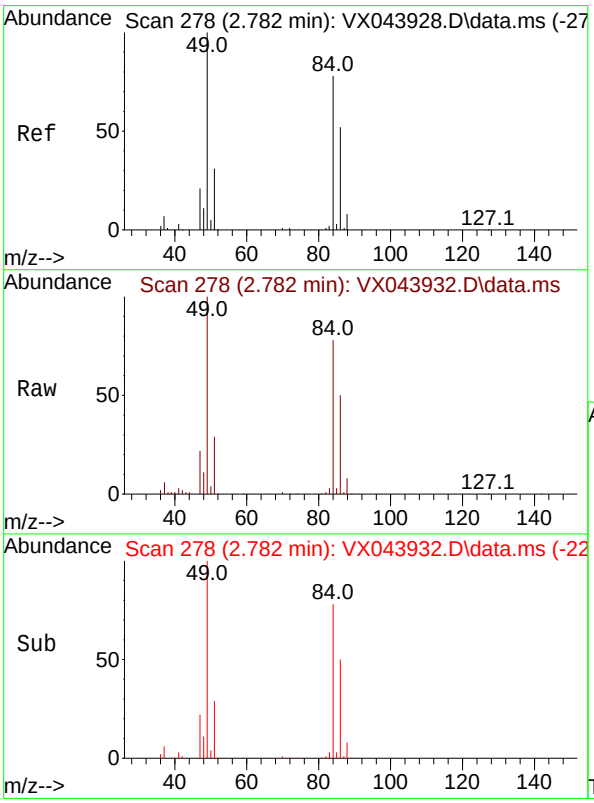

#19
Methyl tert-butyl Ether
Concen: 50.186 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 73 Resp: 275221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 17.0 | 25.6 |

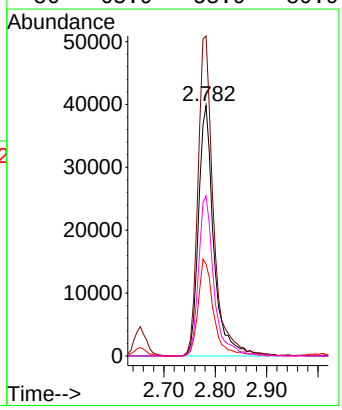


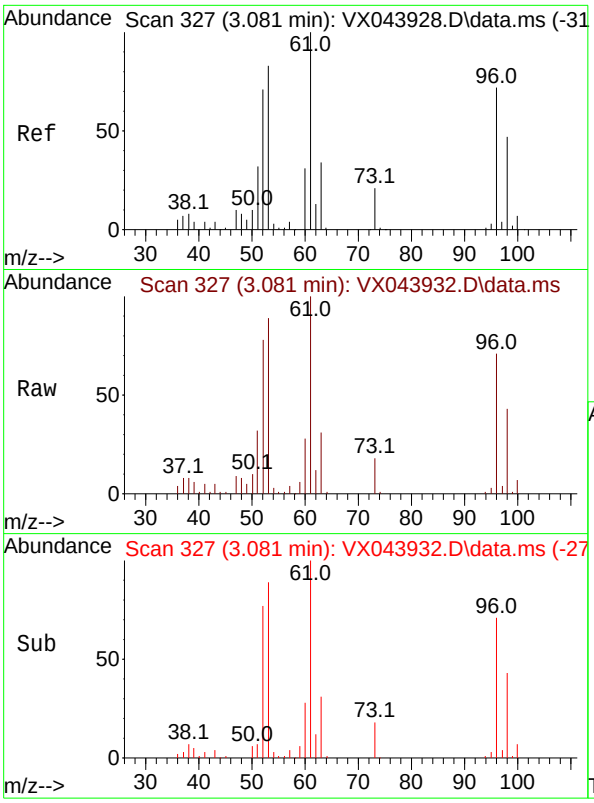




#20
Methylene Chloride
Concen: 46.954 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.8 | 102.7 | 154.1 |
| 51 | 36.6 | 31.7 | 47.5 |
| 86 | 63.9 | 53.9 | 80.9 |



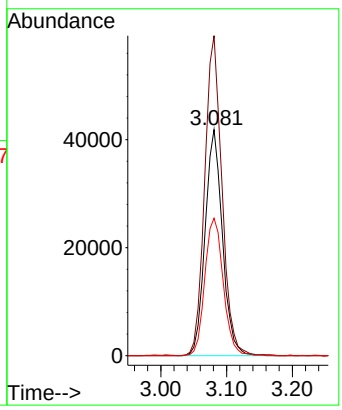


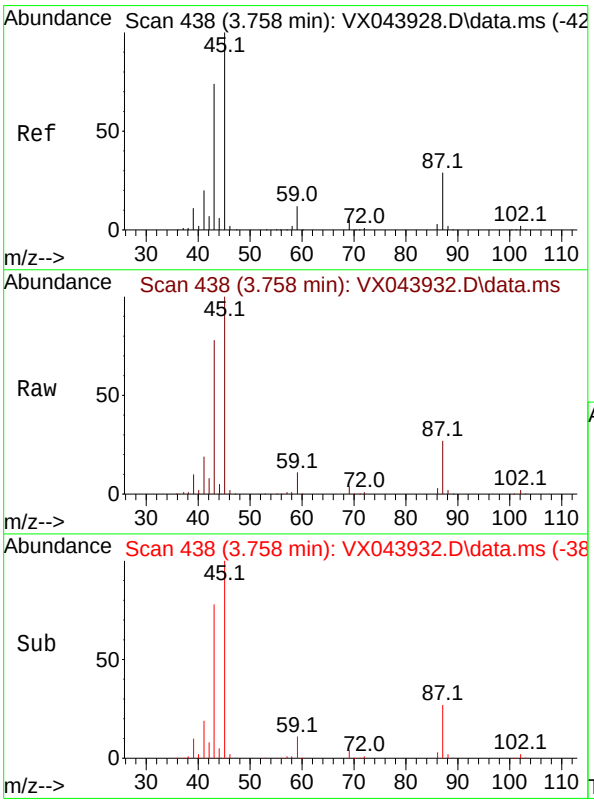

#21
trans-1,2-Dichloroethene
Concen: 49.179 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 96 Resp: 76687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.5 | 111.8 | 167.6 |
| 98 | 60.8 | 52.7 | 79.1 |

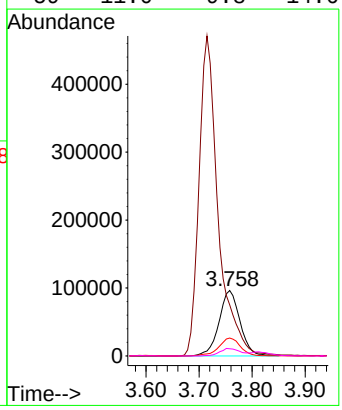


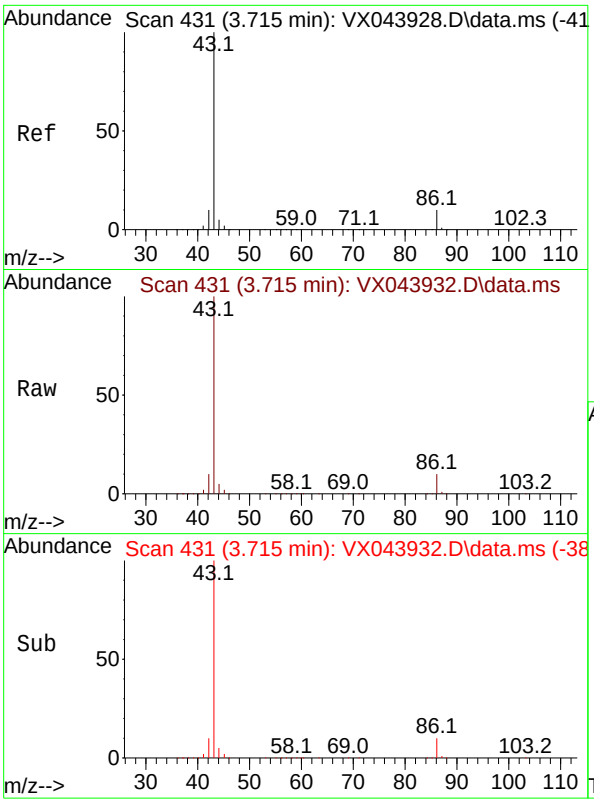




#22
Diisopropyl ether
Concen: 50.132 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 78.0 | 59.6 | 89.4 |
| 87 | 27.4 | 22.9 | 34.3 |
| 59 | 11.0 | 9.8 | 14.6 |



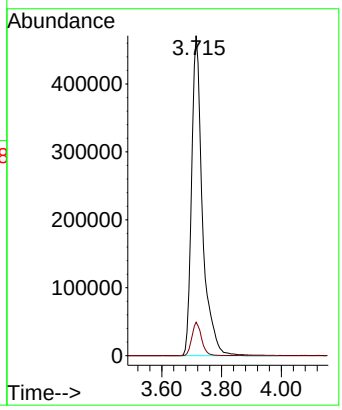


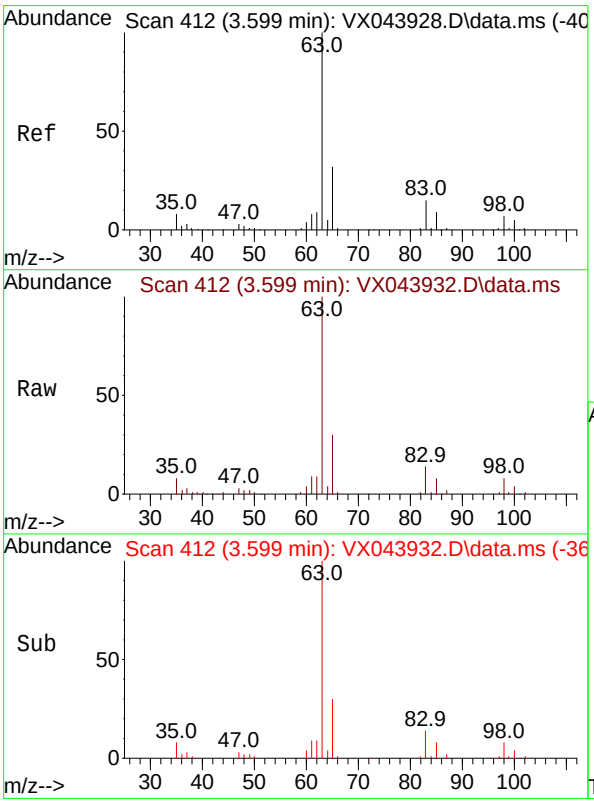

#23
Vinyl Acetate
Concen: 263.441 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 1189244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

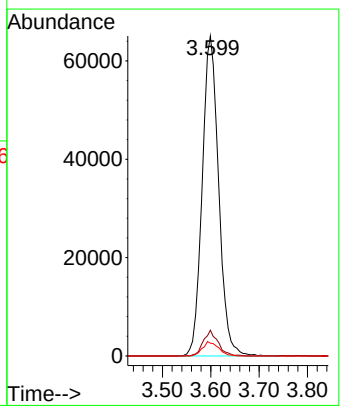


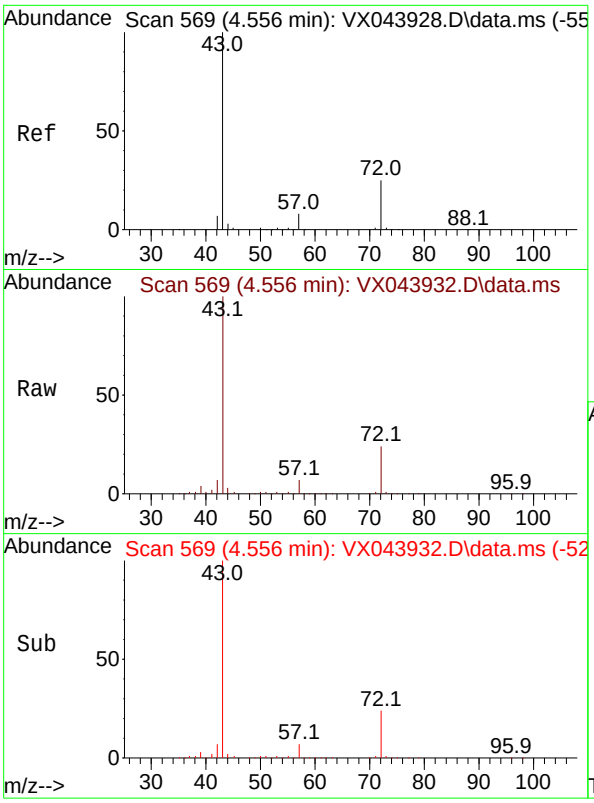




#24
1,1-Dichloroethane
Concen: 50.466 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.0 | 3.5 | 10.6 |
| 100 | 4.0 | 2.4 | 7.1 |



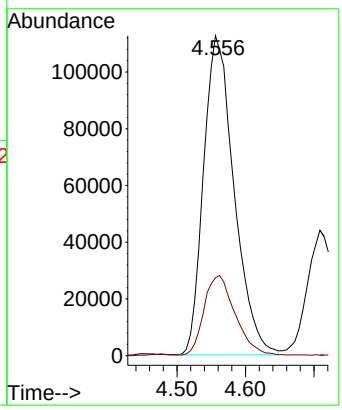


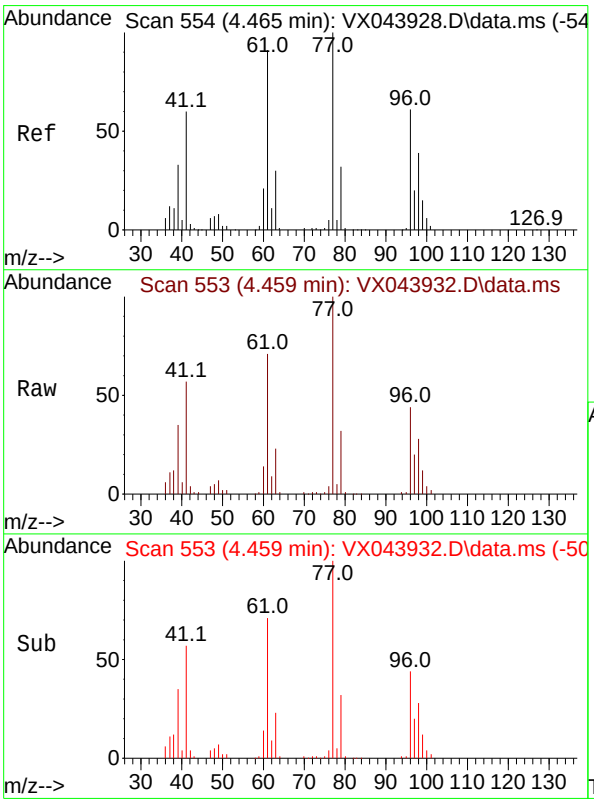

#25
2-Butanone
Concen: 261.804 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 348803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.3 | 20.2 | 30.2 |

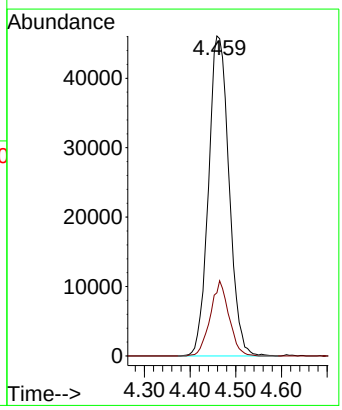


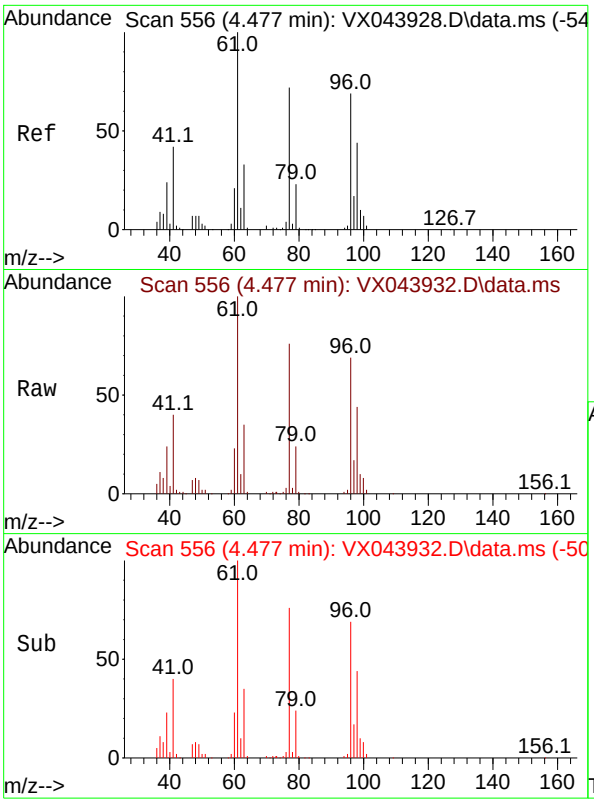




#26
2,2-Dichloropropane
Concen: 52.343 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 77 Resp: 143910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.3 | 10.8 | 32.3 |



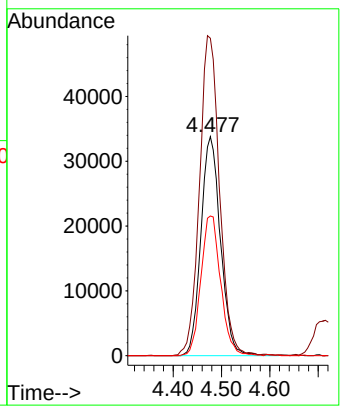


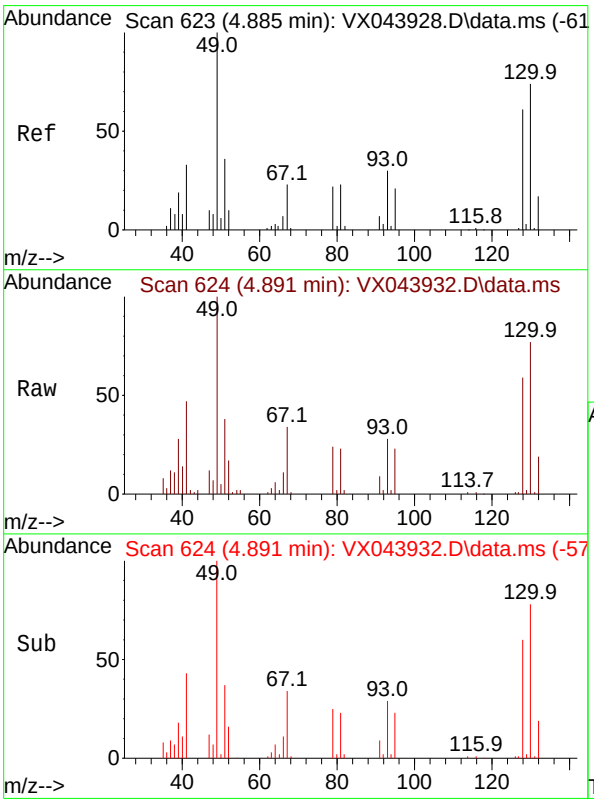

#27
cis-1,2-Dichloroethene
Concen: 49.326 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 96 Resp: 95076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.6 | 0.0 | 297.4 |
| 98 | 64.3 | 0.0 | 127.8 |

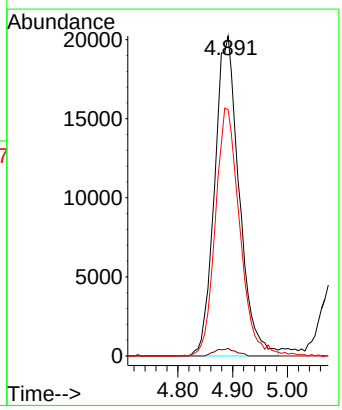


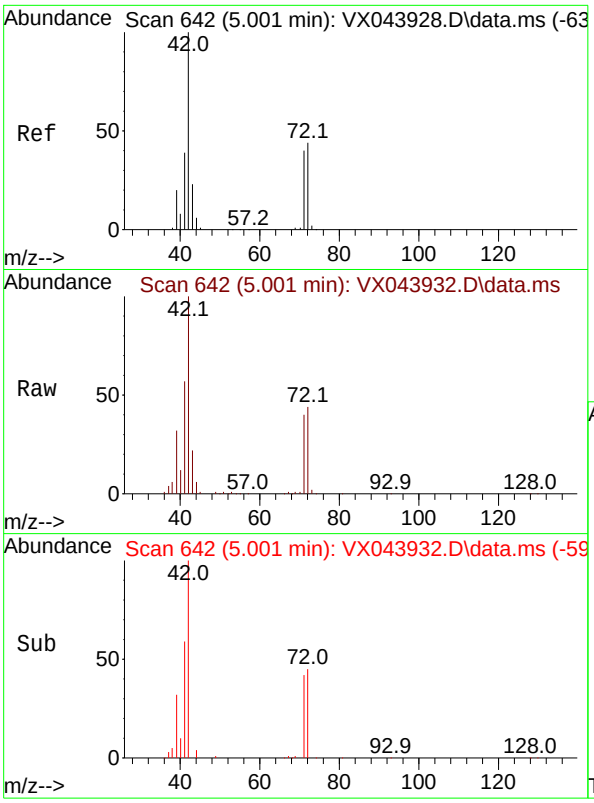




#28
Bromochloromethane
Concen: 46.920 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 77.3 | 59.0 | 88.6 |



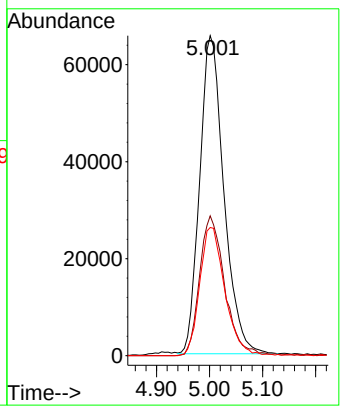


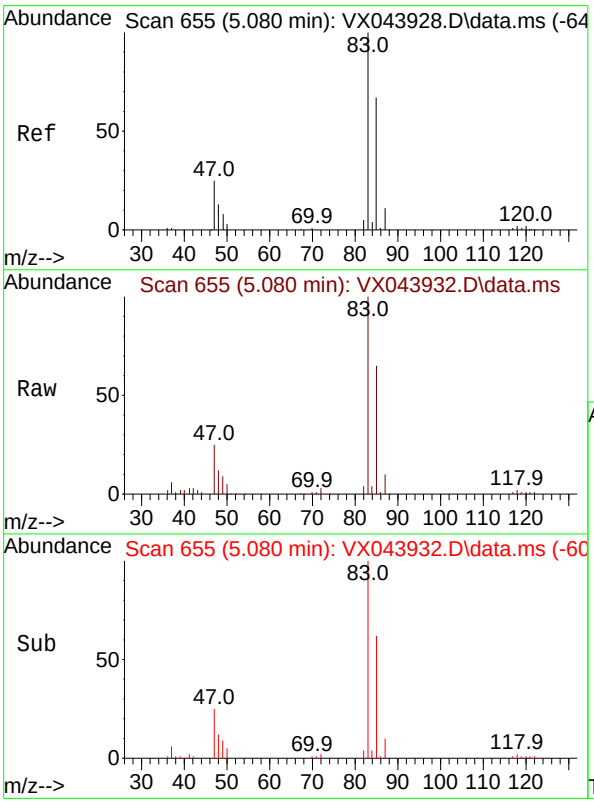

#29
Tetrahydrofuran
Concen: 254.585 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 42 Resp: 207942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.6 | 36.4 | 54.6 |
| 71 | 42.0 | 33.4 | 50.0 |

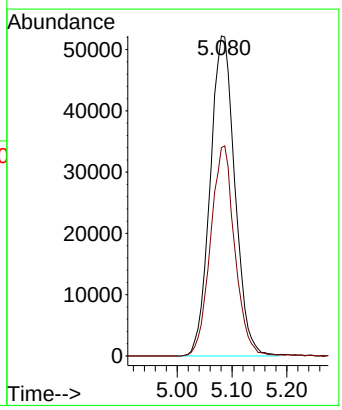


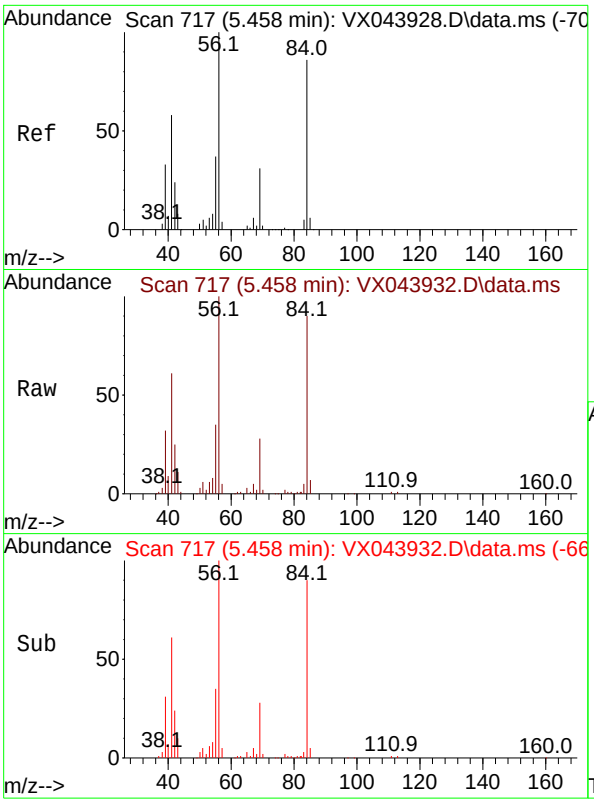




#30
Chloroform
Concen: 49.891 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 53.5 | 80.3 |



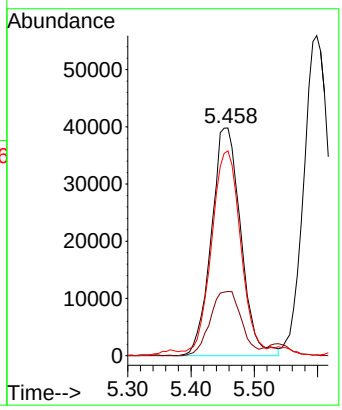


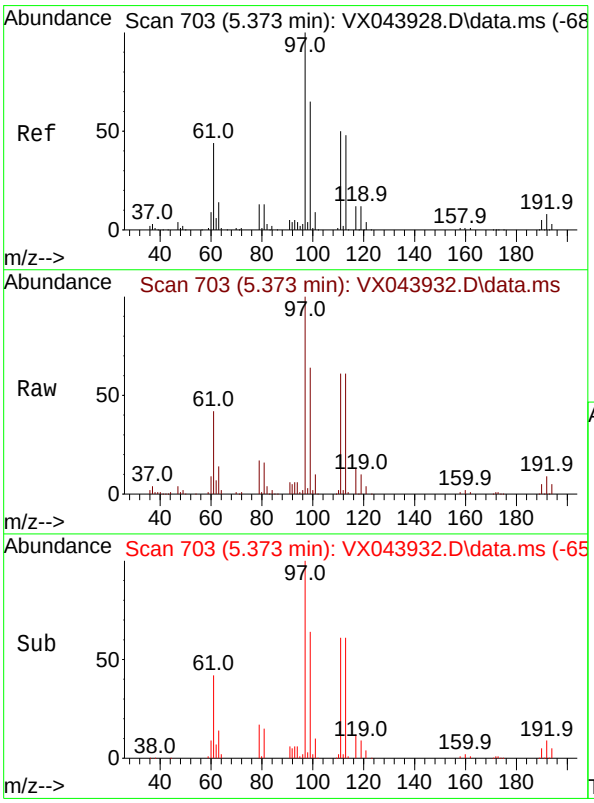

#31
Cyclohexane
Concen: 51.278 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 56 Resp: 128482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.2 | 24.7 | 37.1 |
| 84 | 88.1 | 68.7 | 103.1 |

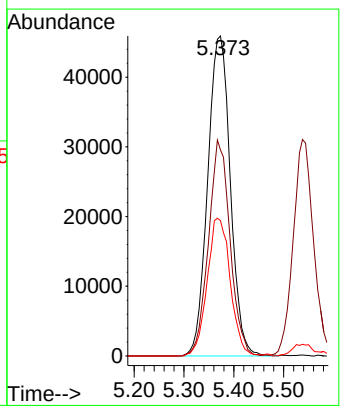


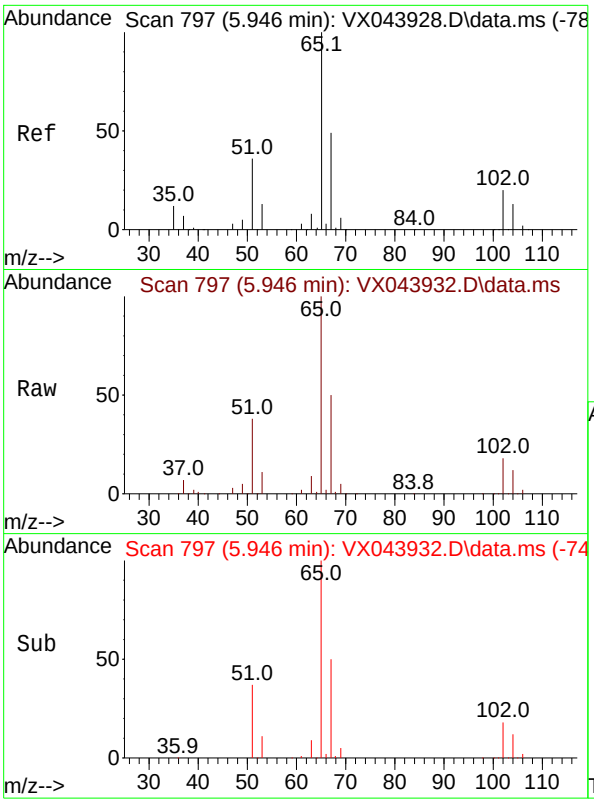




#32
1,1,1-Trichloroethane
Concen: 51.320 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.8 | 76.2 |
| 61 | 43.8 | 35.4 | 53.2 |



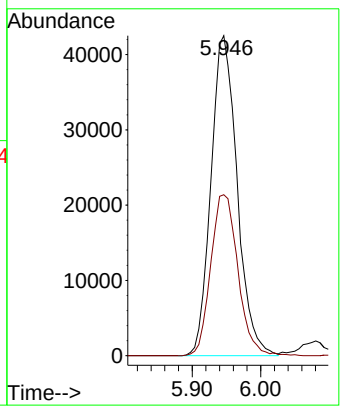


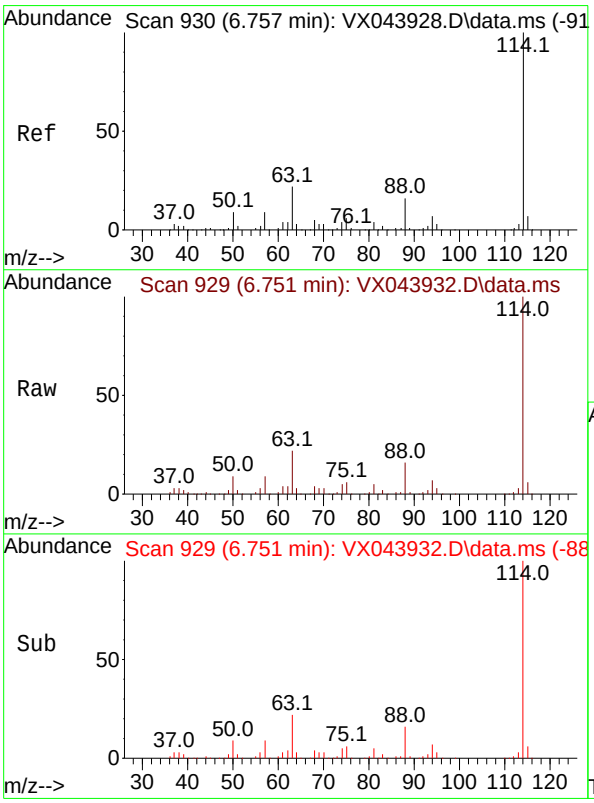

#33
1,2-Dichloroethane-d4
Concen: 50.183 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 65 Resp: 112818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 100.8 |

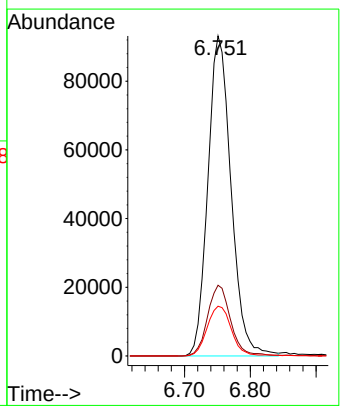


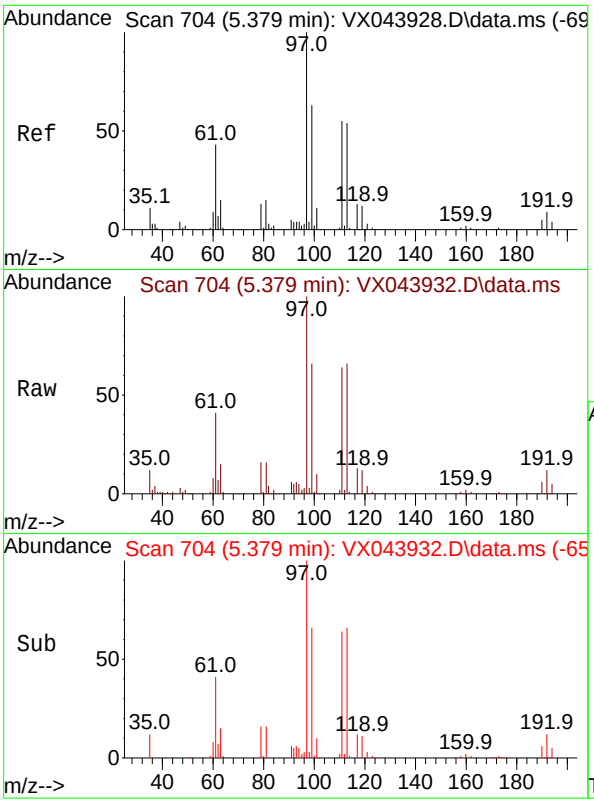




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:114 Resp: 229009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.0 |
| 88 | 15.6 | 0.0 | 32.4 |



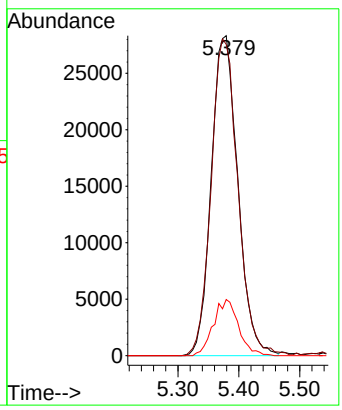


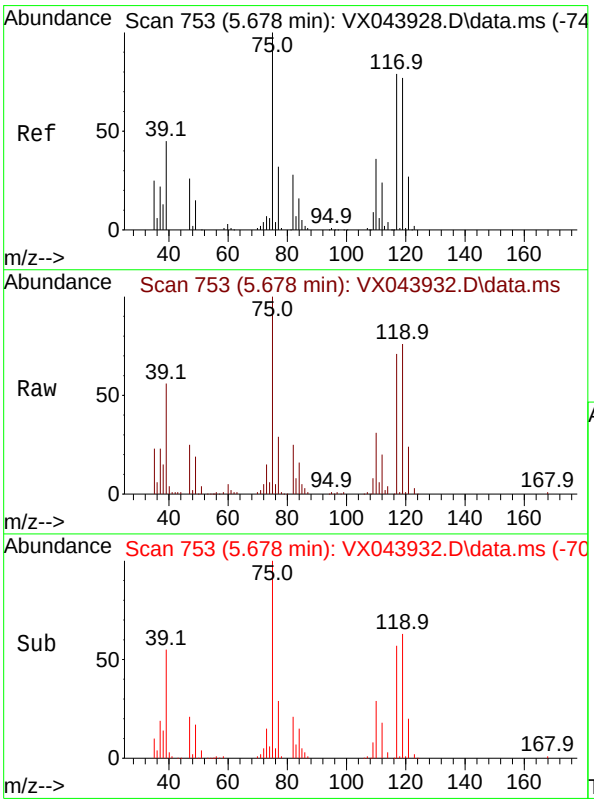

#35
Dibromofluoromethane
Concen: 52.442 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:113 Resp: 85815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 99.9 | 81.0 | 121.4 |
| 192 | 16.6 | 13.0 | 19.6 |

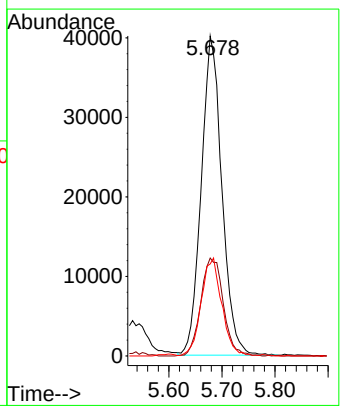


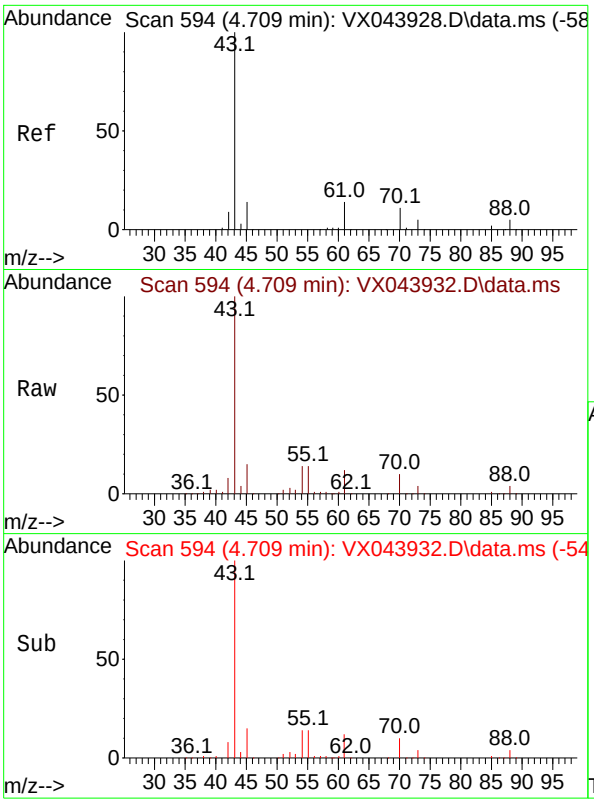




#36
1,1-Dichloropropene
Concen: 53.218 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 108518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.4 | 17.4 | 52.2 |
| 77 | 30.3 | 25.8 | 38.8 |



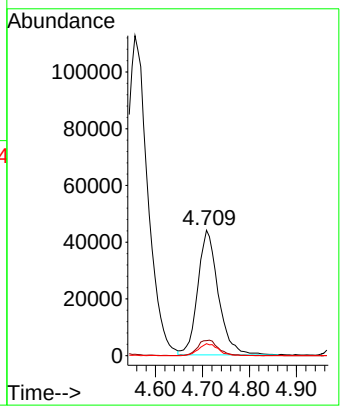


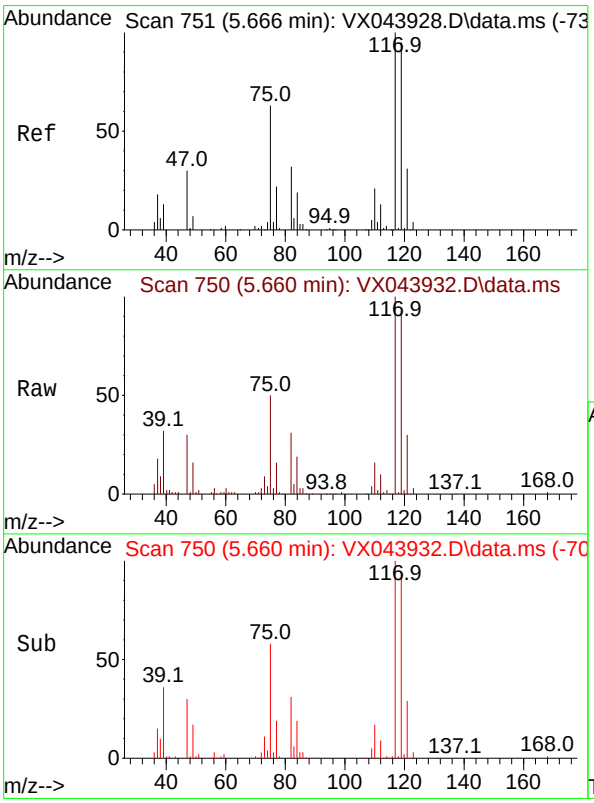

#37
Ethyl Acetate
Concen: 52.656 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 133283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.2 | 10.7 | 16.1 |
| 70 | 9.3 | 8.0 | 12.0 |

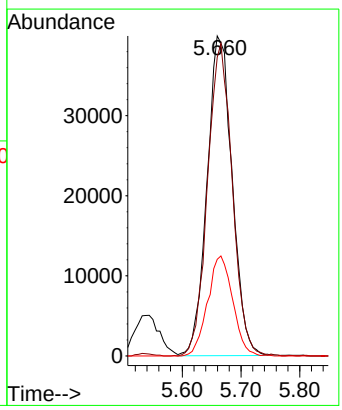


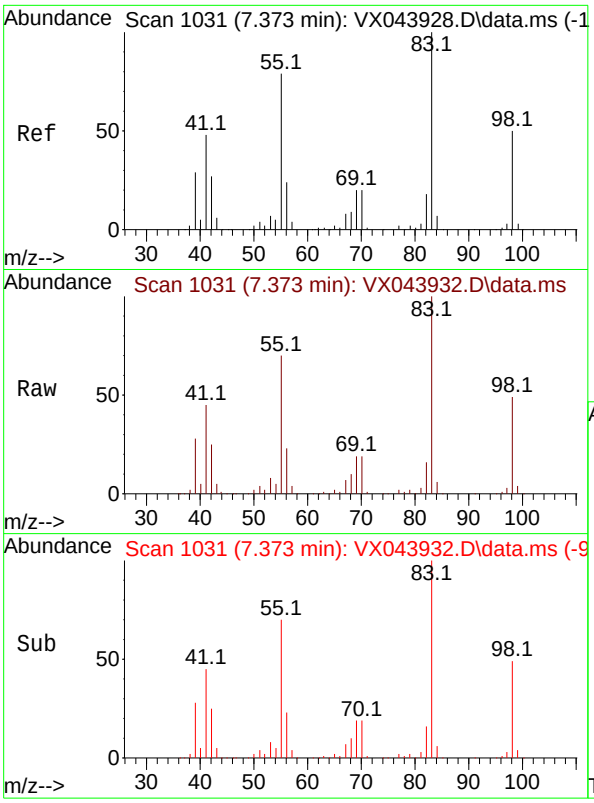




#38
Carbon Tetrachloride
Concen: 51.786 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 118655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.5 | 75.2 | 112.8 |
| 121 | 30.3 | 24.5 | 36.7 |



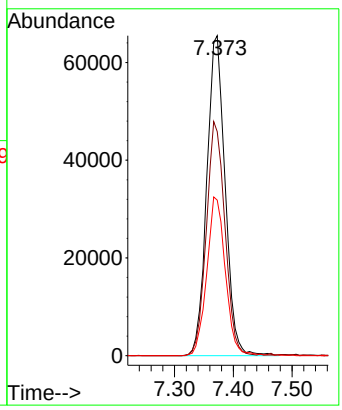


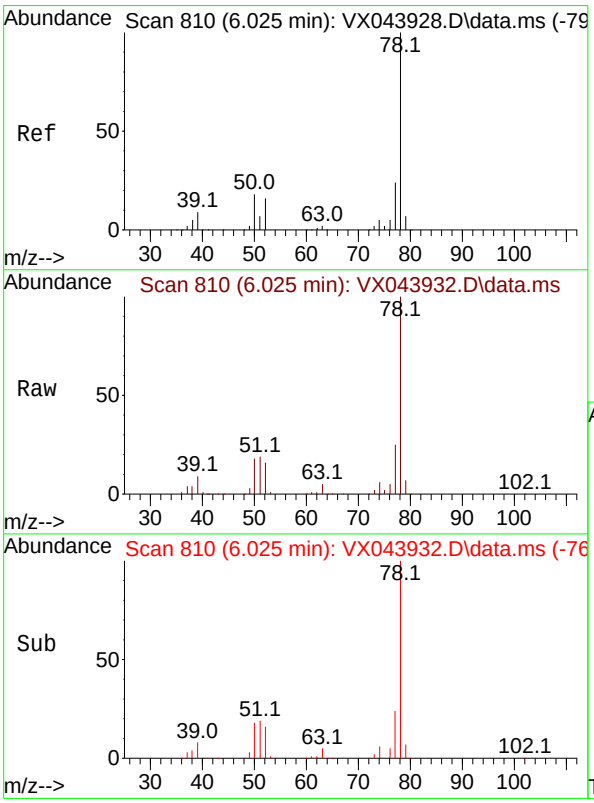

#39
Methylcyclohexane
Concen: 53.489 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 83 Resp: 141696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.0 | 63.1 | 94.7 |
| 98 | 48.6 | 40.0 | 60.0 |

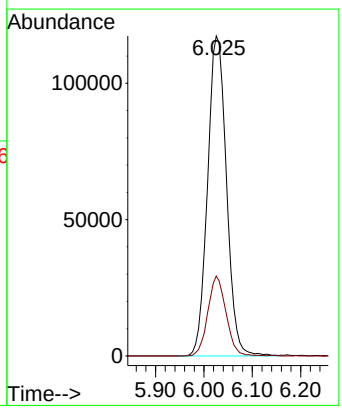


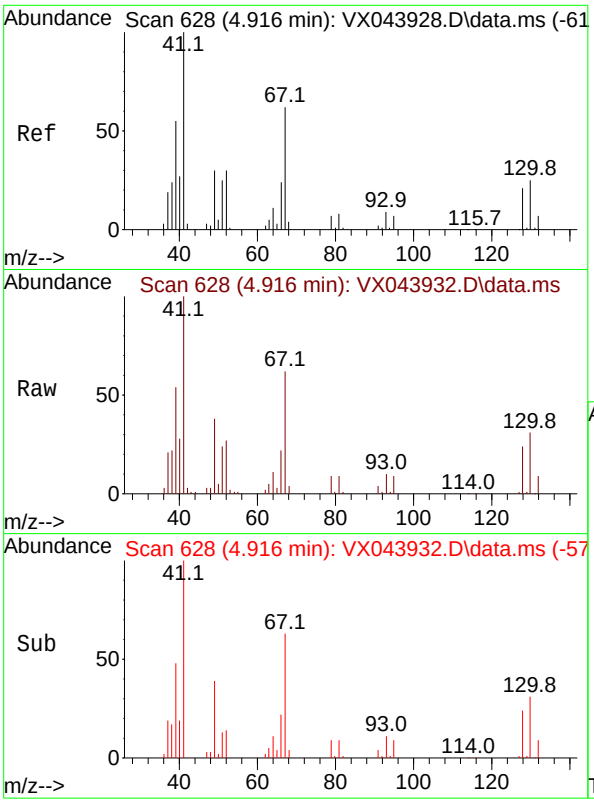




#40
Benzene
Concen: 50.257 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 78 Resp: 319222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.0 | 19.2 | 28.8 |



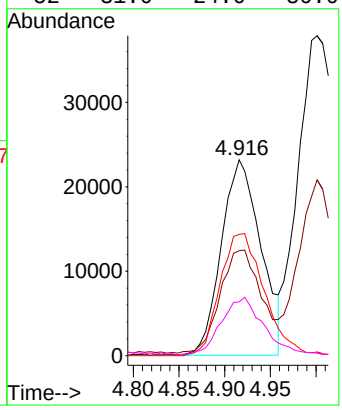


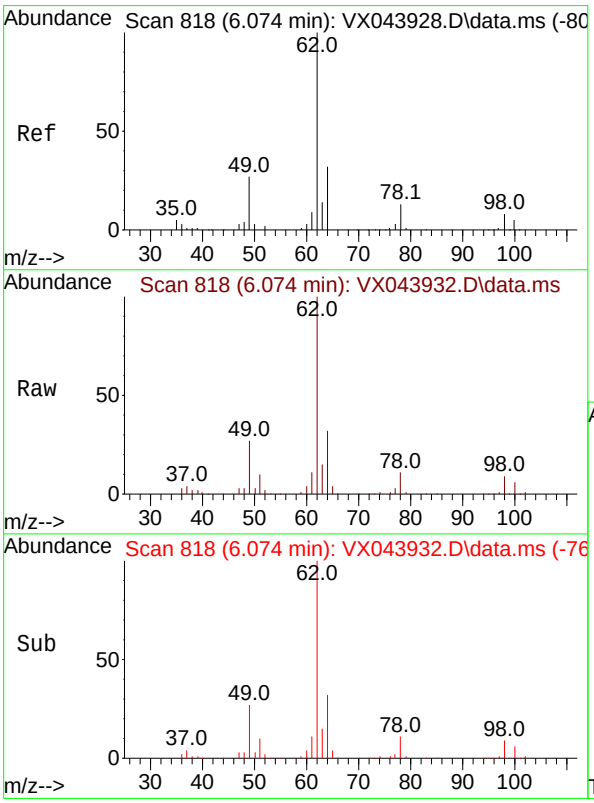

#41
Methacrylonitrile
Concen: 53.851 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 41 Resp: 69766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 41.7 | 62.5 |
| 67 | 70.1 | 55.8 | 83.8 |
| 52 | 31.0 | 24.0 | 36.0 |

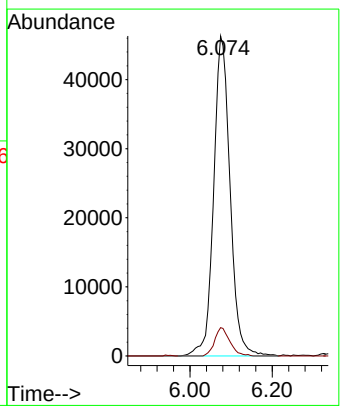


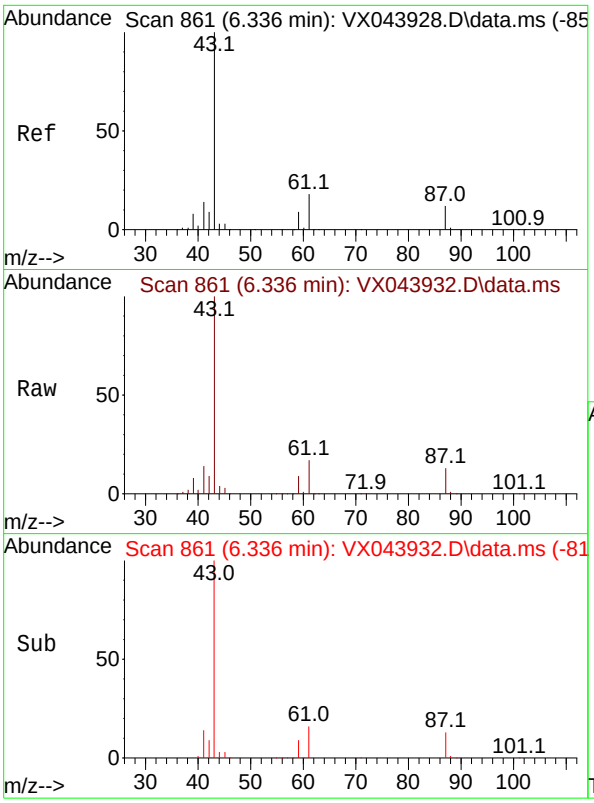




#42
1,2-Dichloroethane
Concen: 50.421 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 128623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 16.4 |



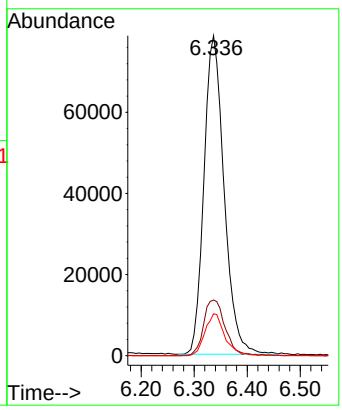


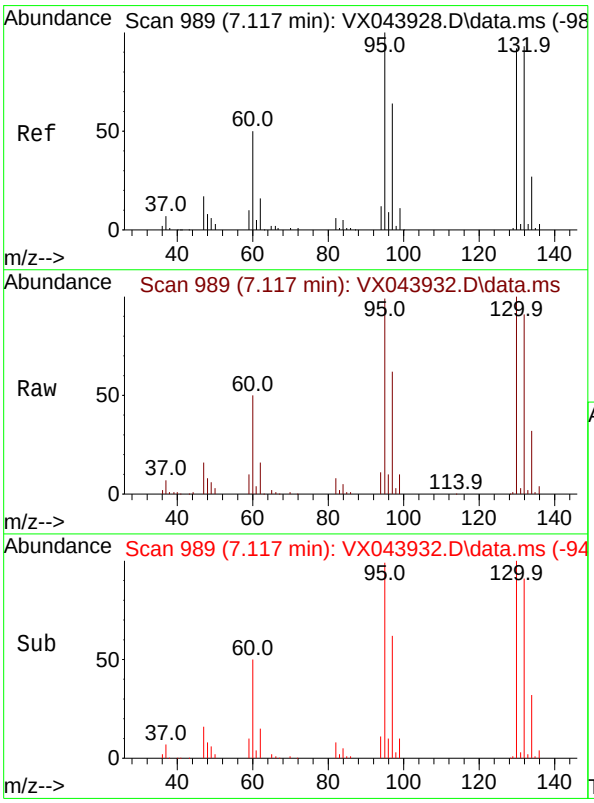

#43
Isopropyl Acetate
Concen: 51.469 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 207332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.6 | 14.5 | 21.7 |
| 87 | 12.9 | 10.2 | 15.2 |

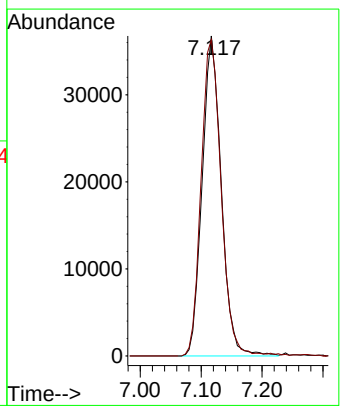


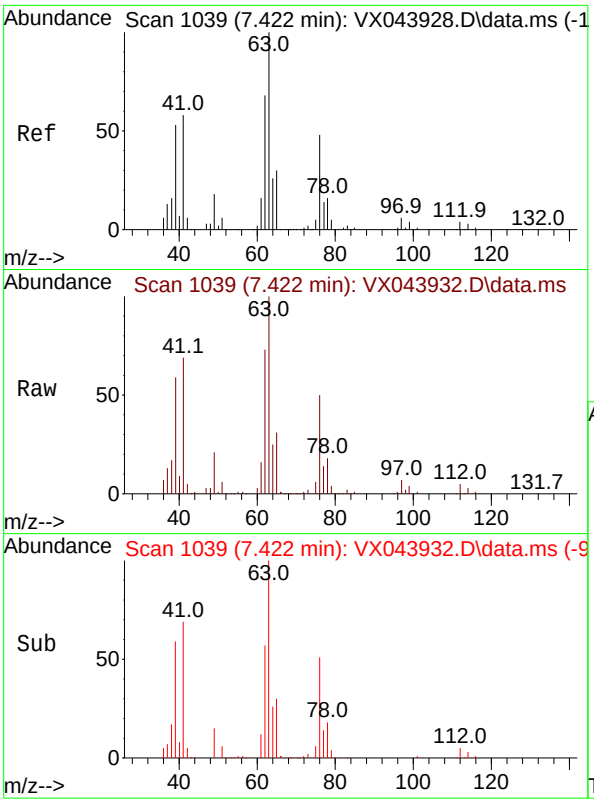




#44
Trichloroethene
Concen: 44.554 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.9 | 0.0 | 217.8 |



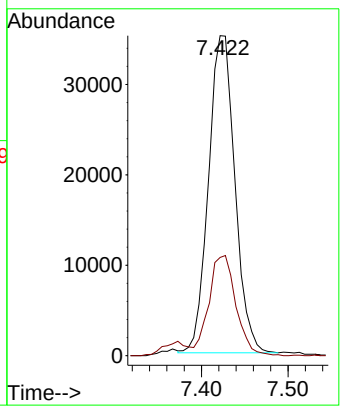


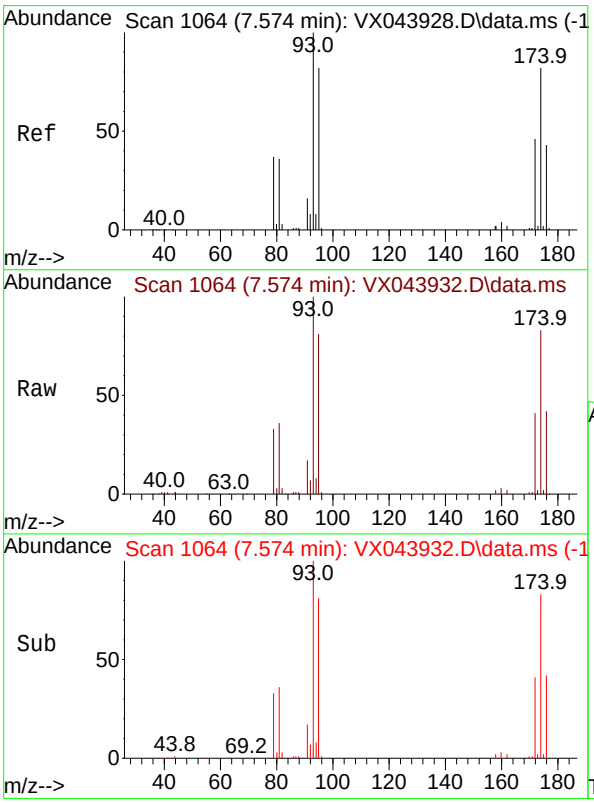

#45
1,2-Dichloropropane
Concen: 47.811 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 63 Resp: 74380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 23.8 | 35.6 |

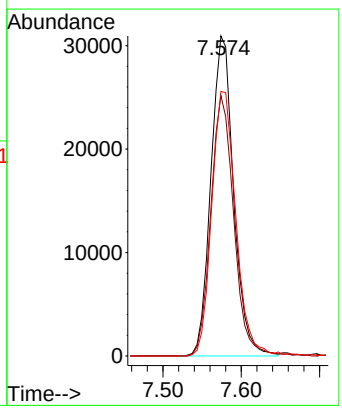


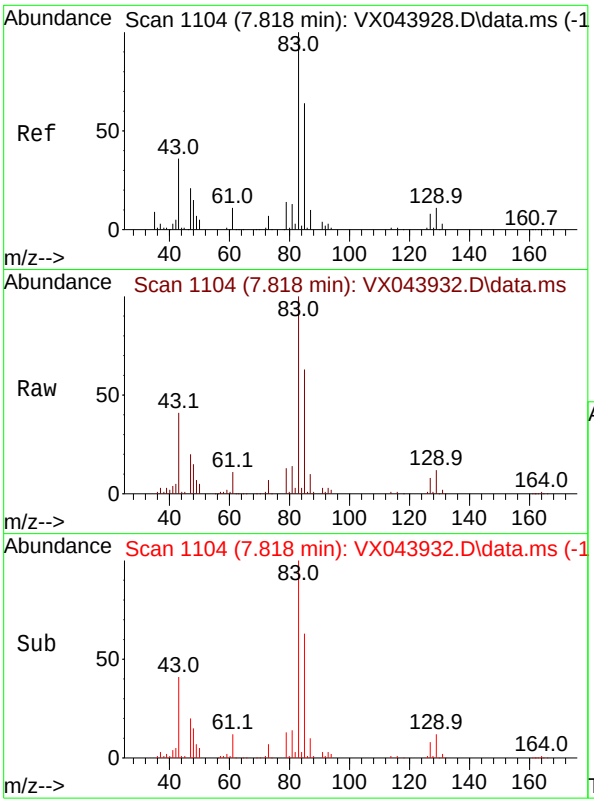




#46
Dibromomethane
Concen: 50.662 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 93 Resp: 62345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 66.2 | 99.4 |
| 174 | 88.2 | 69.6 | 104.4 |



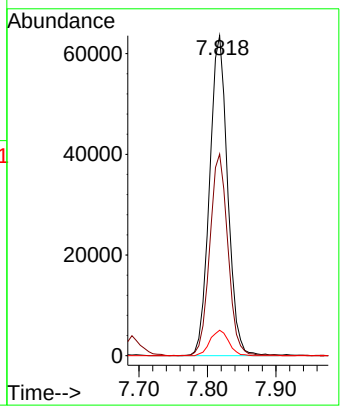


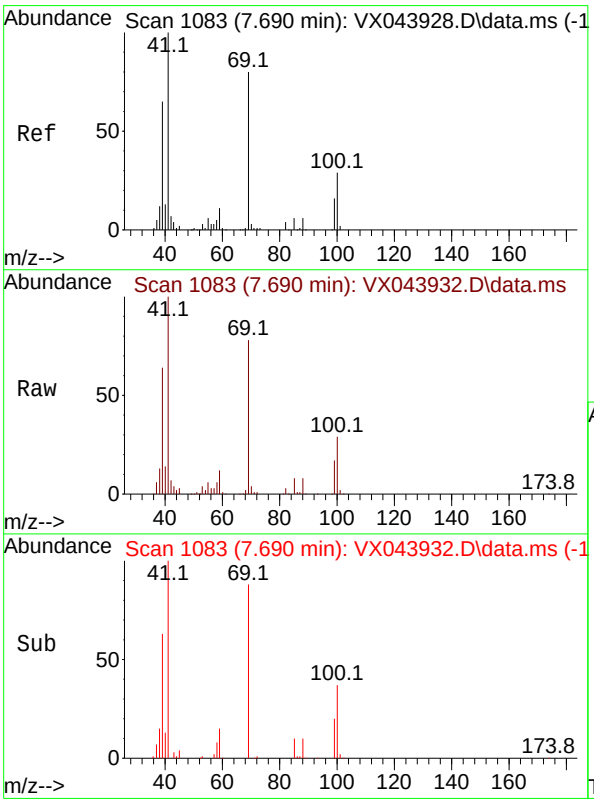

#47
Bromodichloromethane
Concen: 52.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 83 Resp: 116199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 51.4 | 77.0 |
| 127 | 8.0 | 6.6 | 10.0 |

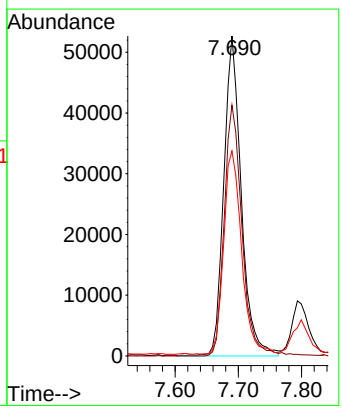


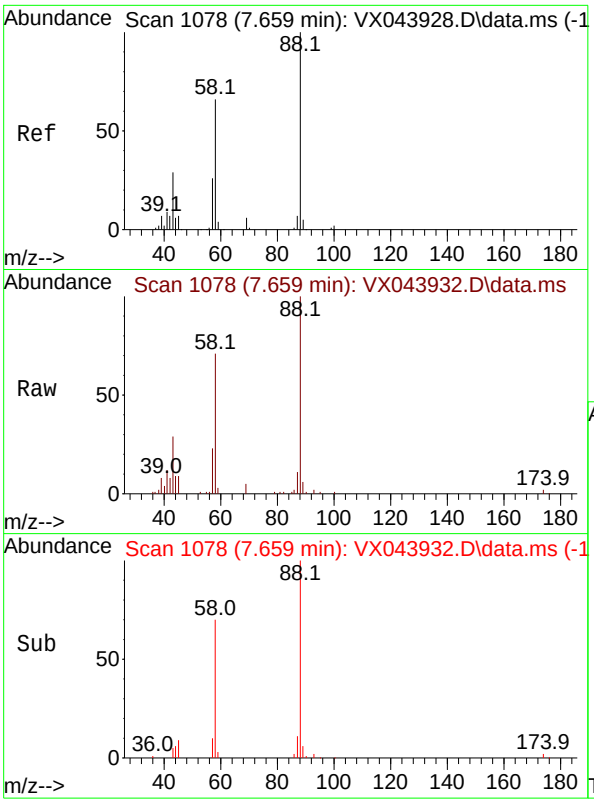




#48
Methyl methacrylate
Concen: 52.284 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 64.6 | 97.0 |
| 39 | 65.2 | 53.3 | 79.9 |



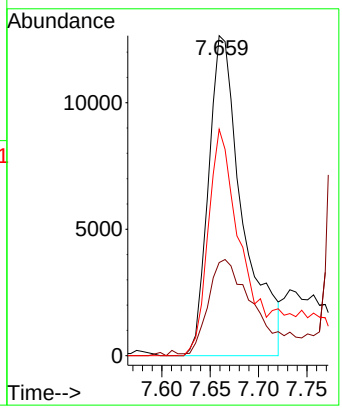


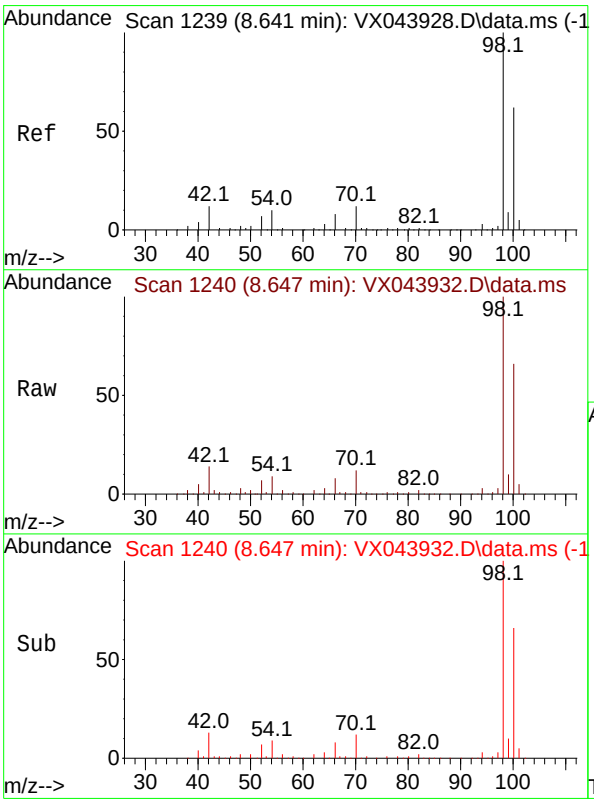

#49
1,4-Dioxane
Concen: 905.506 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 88 Resp: 31178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.9 | 26.8 | 40.2 |
| 58 | 68.3 | 45.4 | 68.2# |

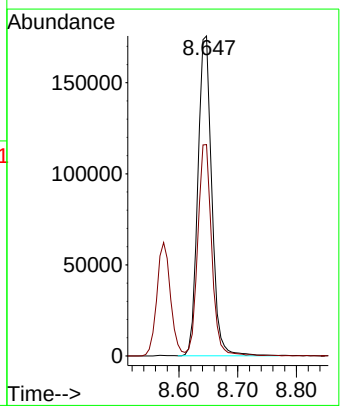


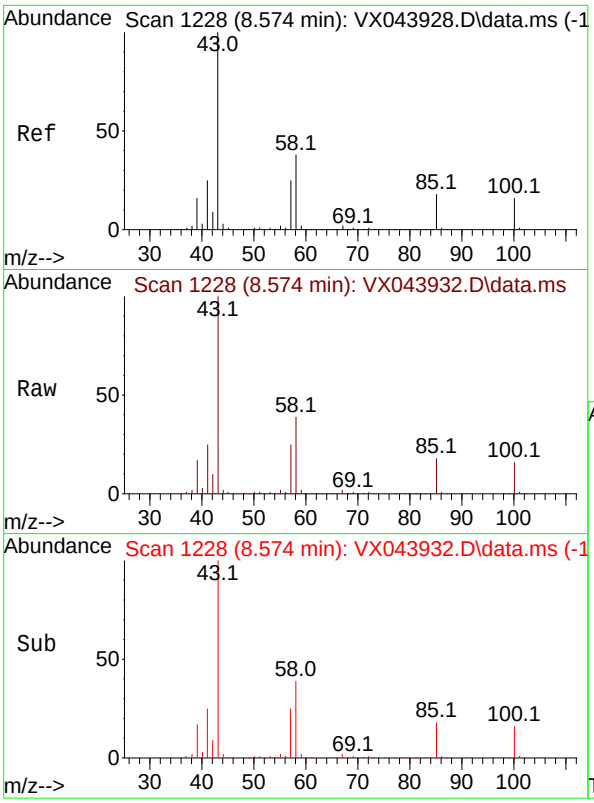




#50
Toluene-d8
Concen: 51.234 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.6 | 52.6 | 79.0 |



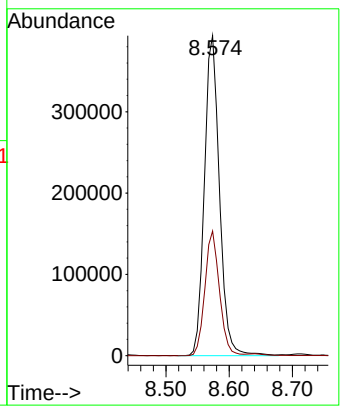


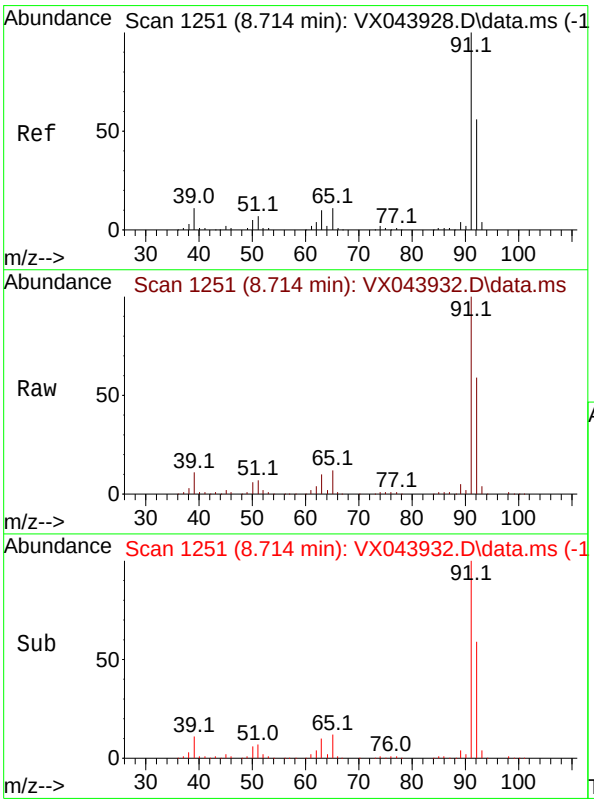

#51
4-Methyl-2-Pentanone
Concen: 265.520 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 652721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.6 | 30.0 | 45.0 |

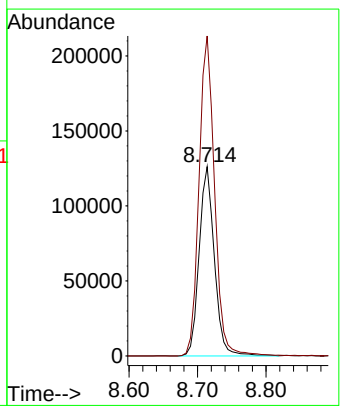


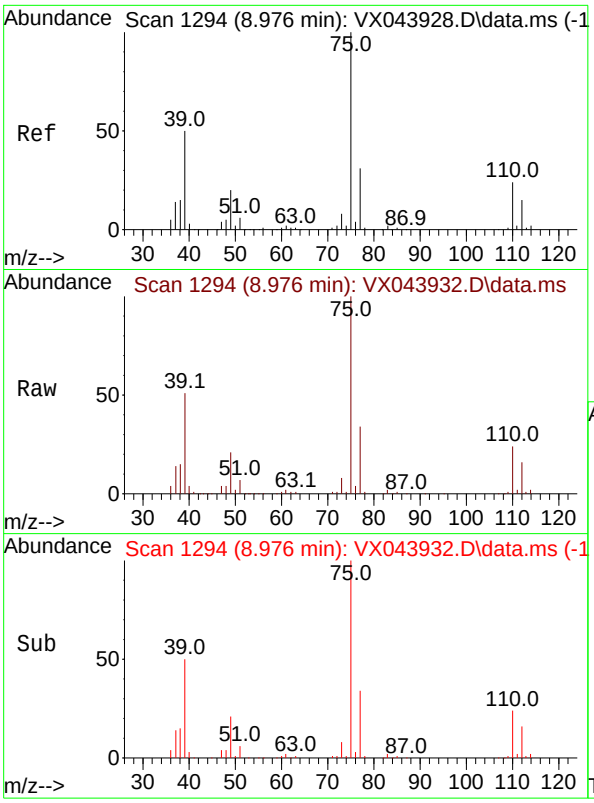




#52
Toluene
Concen: 51.507 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 172.4 | 139.7 | 209.5 |



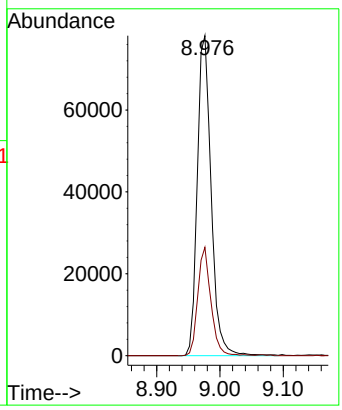


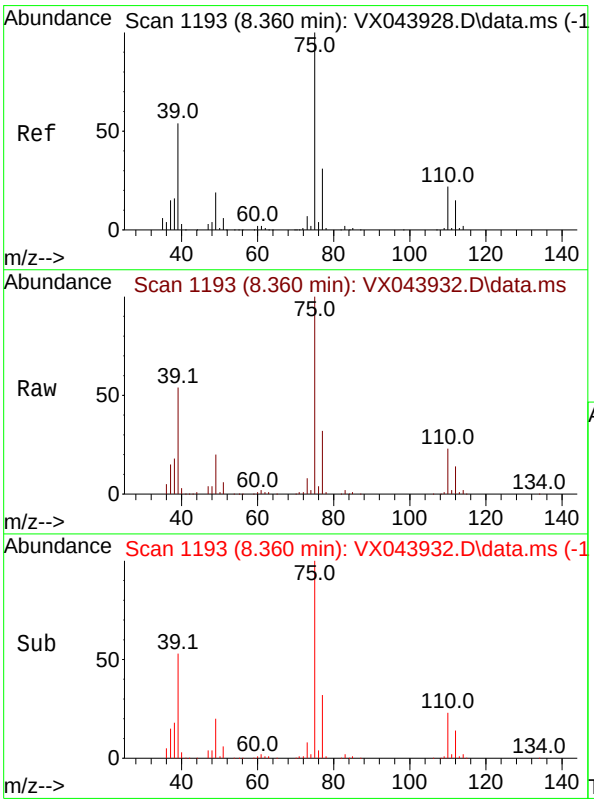

#53
t-1,3-Dichloropropene
Concen: 53.077 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 75 Resp: 119461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.9 | 25.1 | 37.7 |

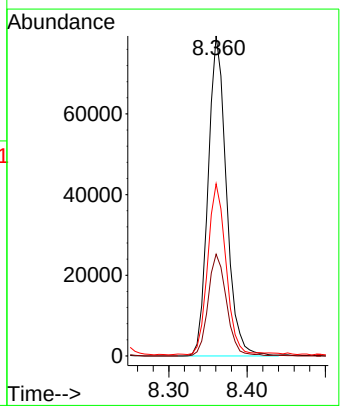


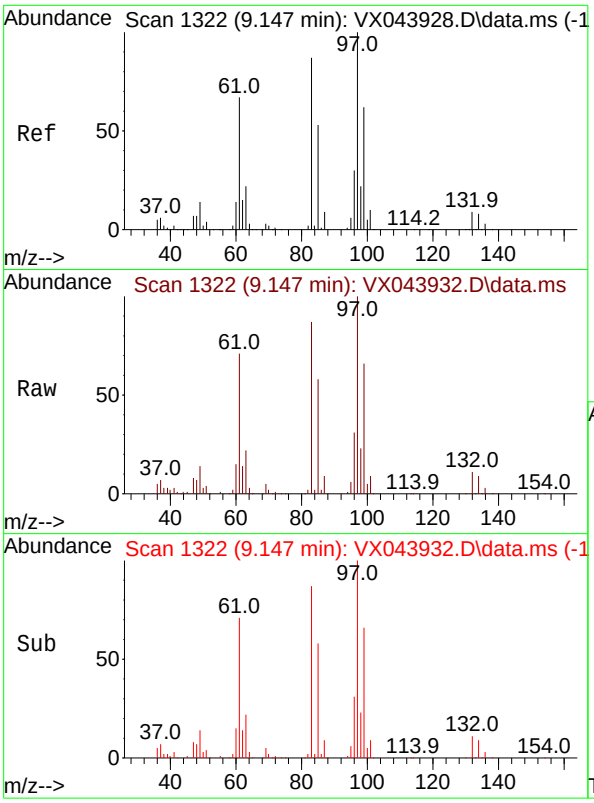




#54
cis-1,3-Dichloropropene
Concen: 52.205 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 128808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.2 | 37.8 |
| 39 | 53.2 | 43.1 | 64.7 |



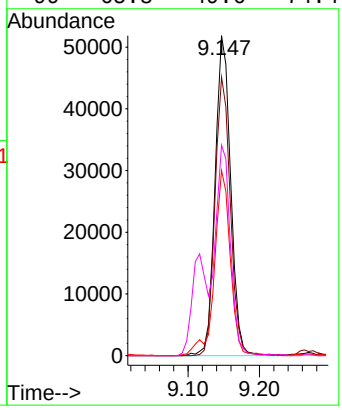


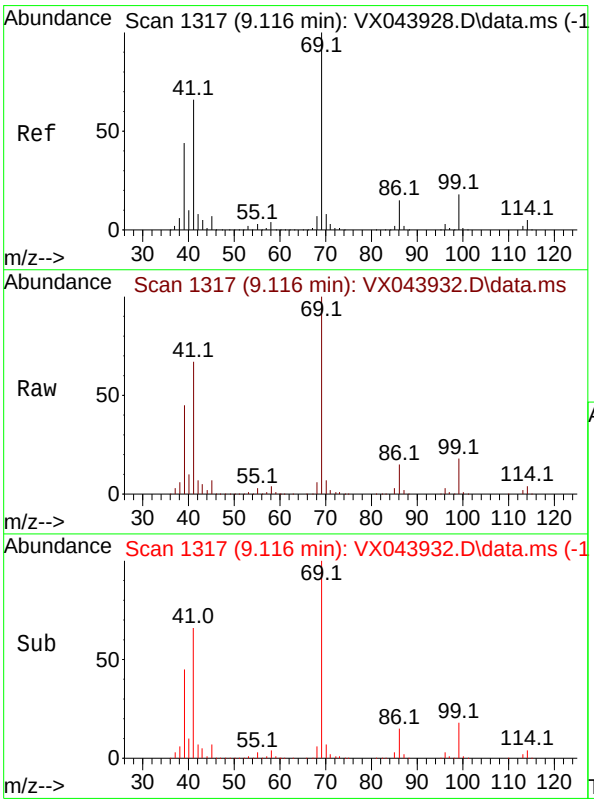

#55
1,1,2-Trichloroethane
Concen: 50.069 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 97 Resp: 78575

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.4 | 104.0 |
| 85 | 57.7 | 42.3 | 63.5 |
| 99 | 65.8 | 49.6 | 74.4 |

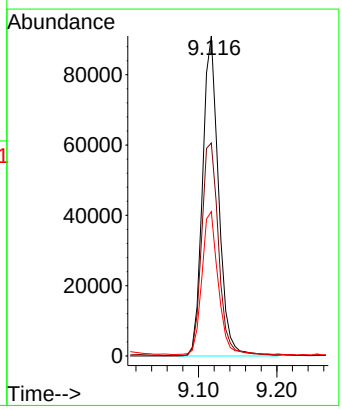


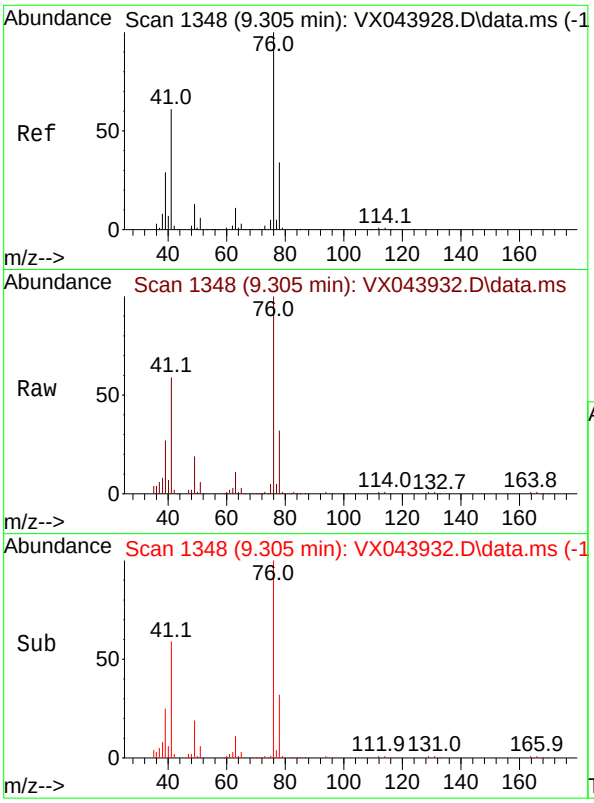




#56
Ethyl methacrylate
Concen: 53.118 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 69 Resp: 129841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 55.8 | 83.8 |
| 39 | 46.1 | 36.7 | 55.1 |



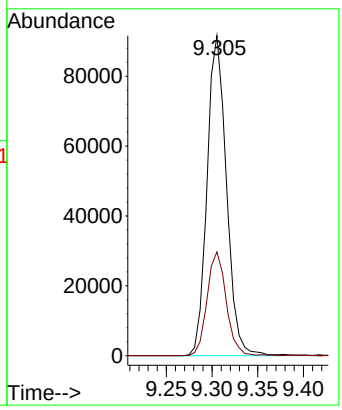


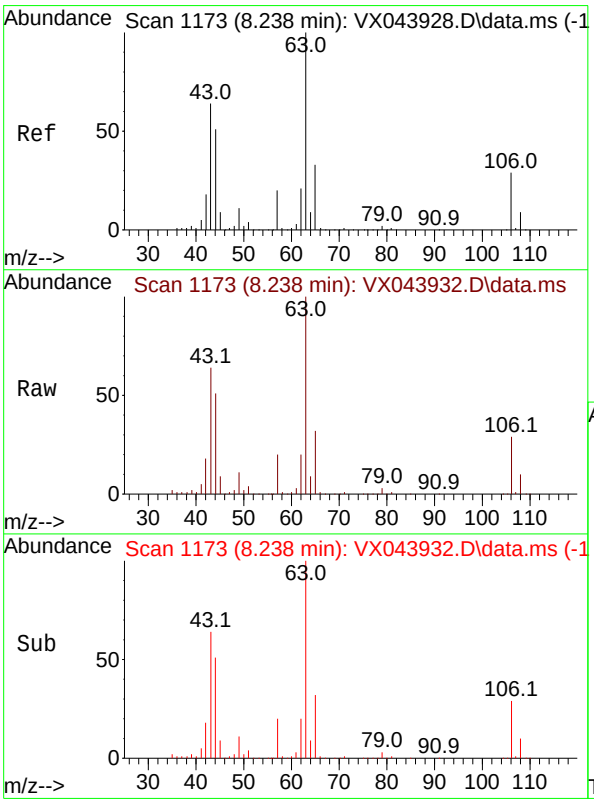

#57
1,3-Dichloropropane
Concen: 50.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 76 Resp: 134680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.1 | 26.0 | 39.0 |

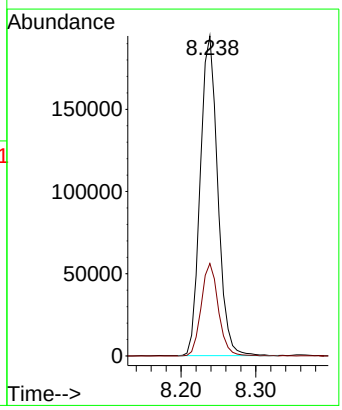


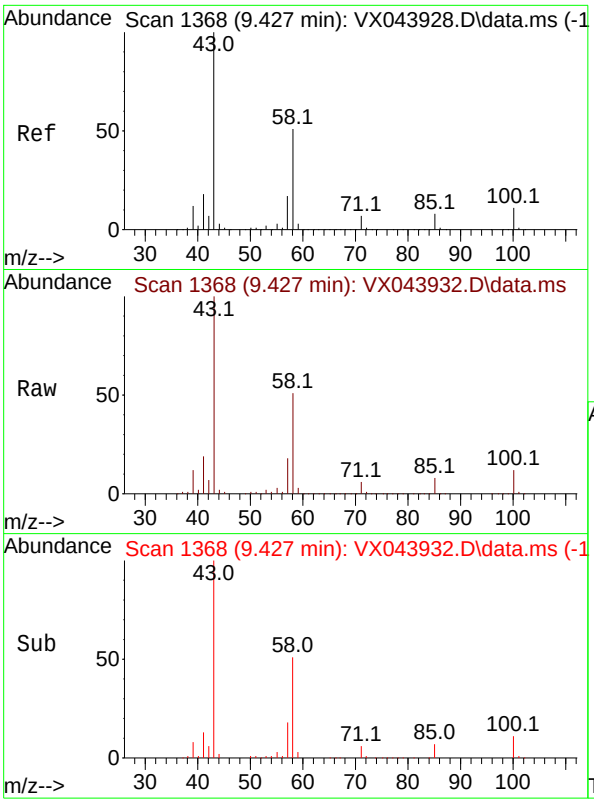




#58
2-Chloroethyl Vinyl ether
Concen: 235.230 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.4 | 23.0 | 34.6 |



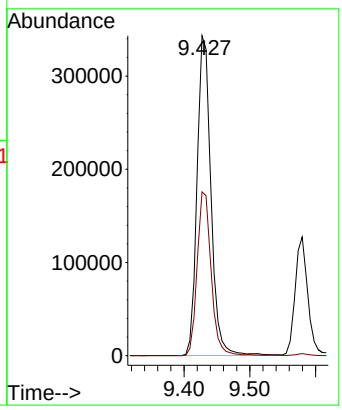


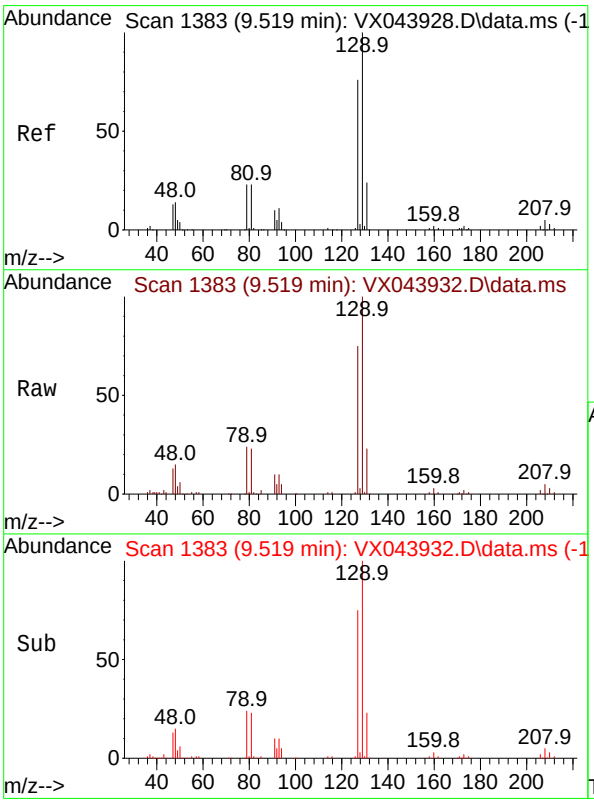

#59
2-Hexanone
Concen: 273.011 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 43 Resp: 504444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.8 | 25.9 | 77.6 |

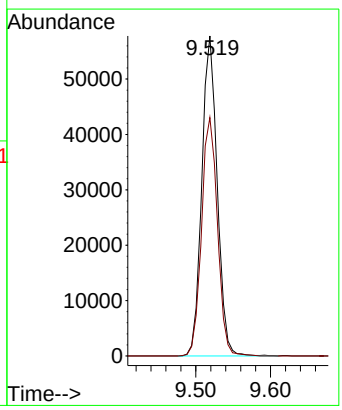


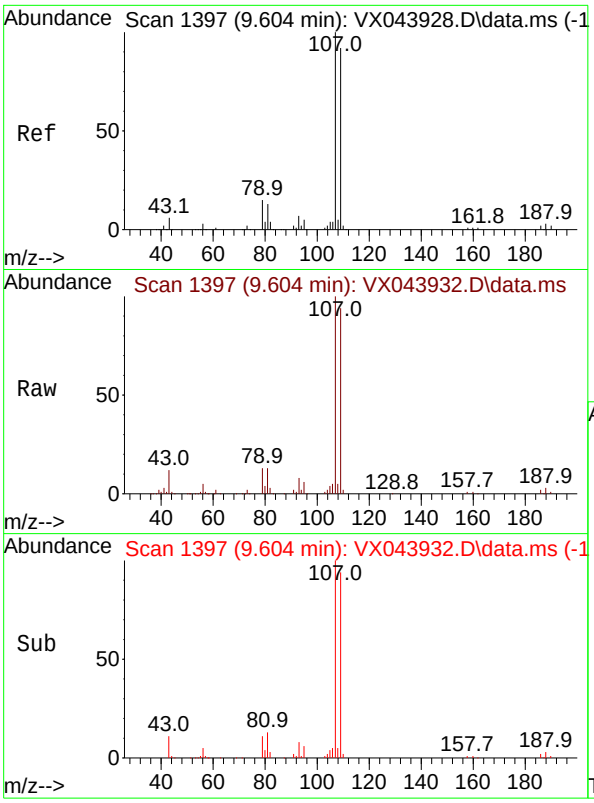




#60
Dibromochloromethane
Concen: 52.557 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:129 Resp: 82754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.9 | 38.2 | 114.6 |



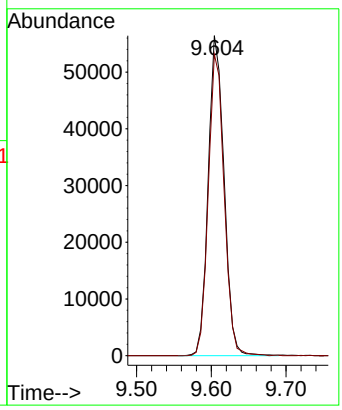


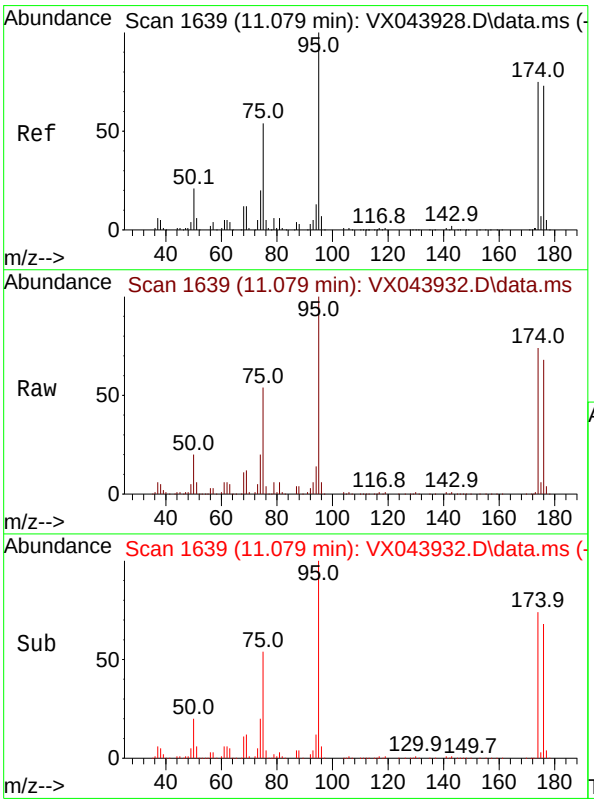

#61
1,2-Dibromoethane
Concen: 52.367 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:107 Resp: 83098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.2 | 112.8 |

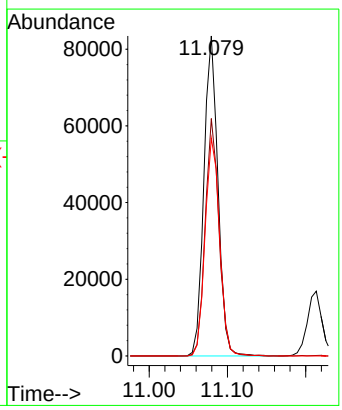


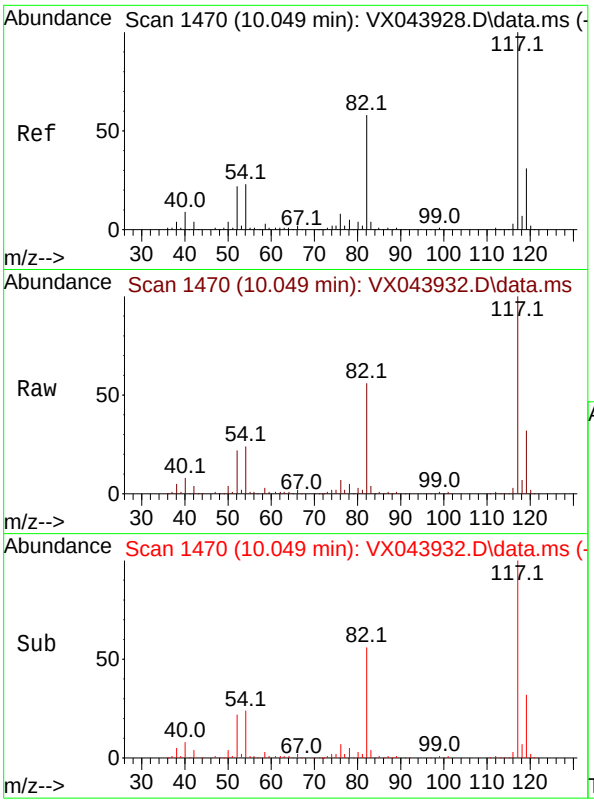




#62
4-Bromofluorobenzene
Concen: 53.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.0 | 0.0 | 150.4 |
| 176 | 70.5 | 0.0 | 146.0 |



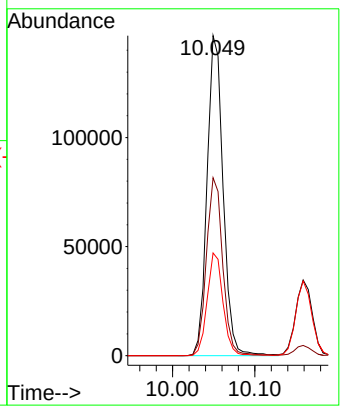


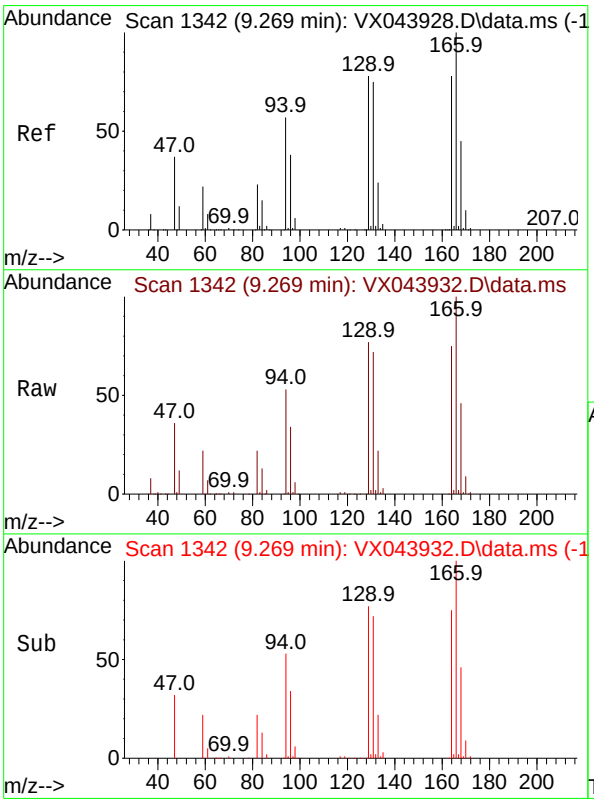

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:117 Resp: 198776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 46.4 | 69.6 |
| 119 | 32.1 | 24.6 | 37.0 |

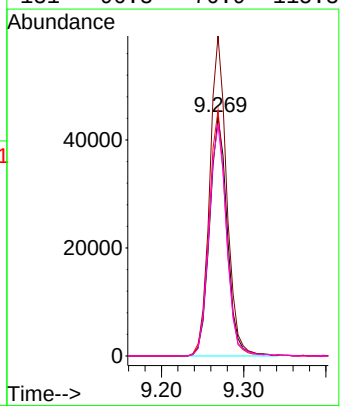


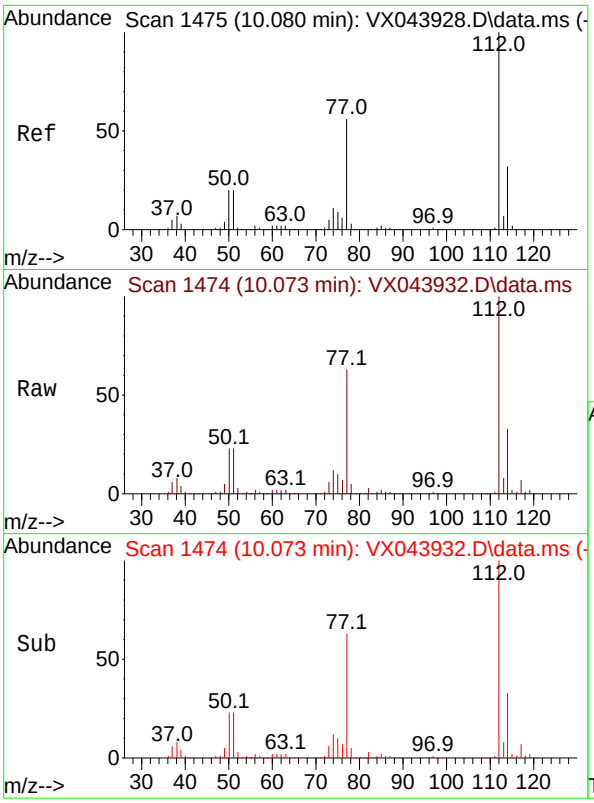




#64
Tetrachloroethene
Concen: 50.396 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 133.9 | 102.1 | 153.1 |
| 129 | 102.7 | 79.6 | 119.4 |
| 131 | 96.3 | 76.9 | 115.3 |



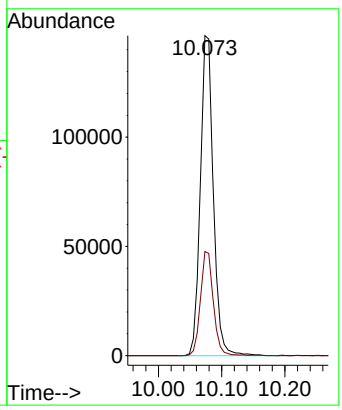


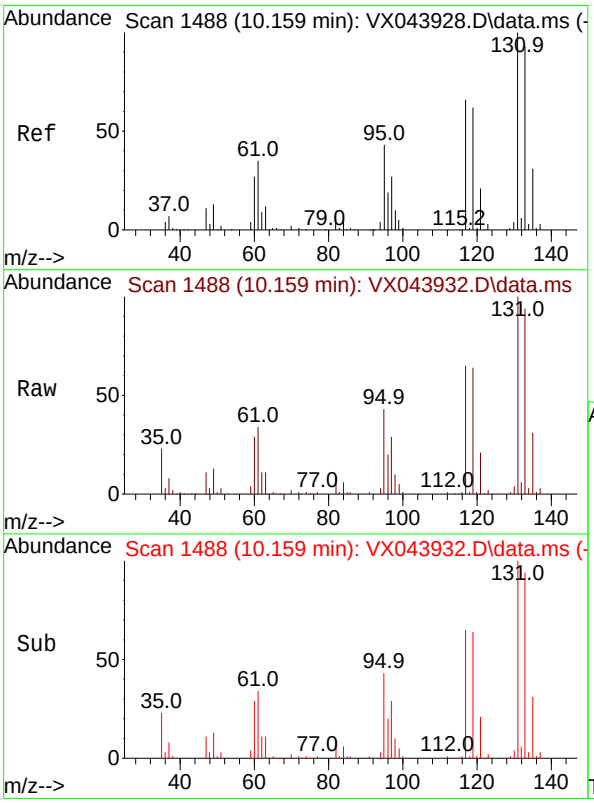

#65
Chlorobenzene
Concen: 48.094 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:112 Resp: 209963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.4 | 38.0 |

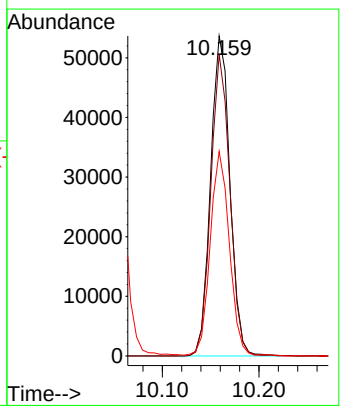


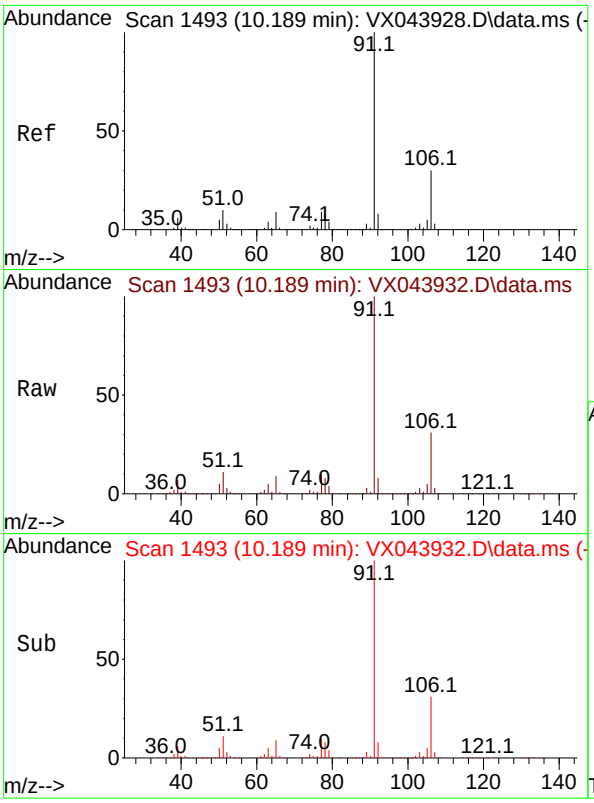




#66
1,1,1,2-Tetrachloroethane
Concen: 52.515 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.9 | 48.2 | 144.6 |
| 119 | 63.5 | 31.5 | 94.5 |



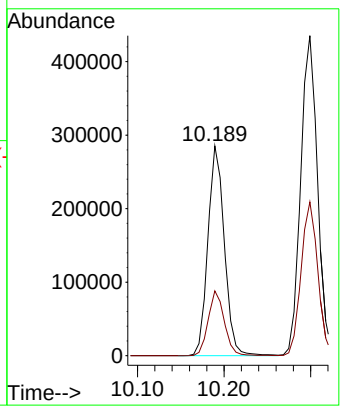


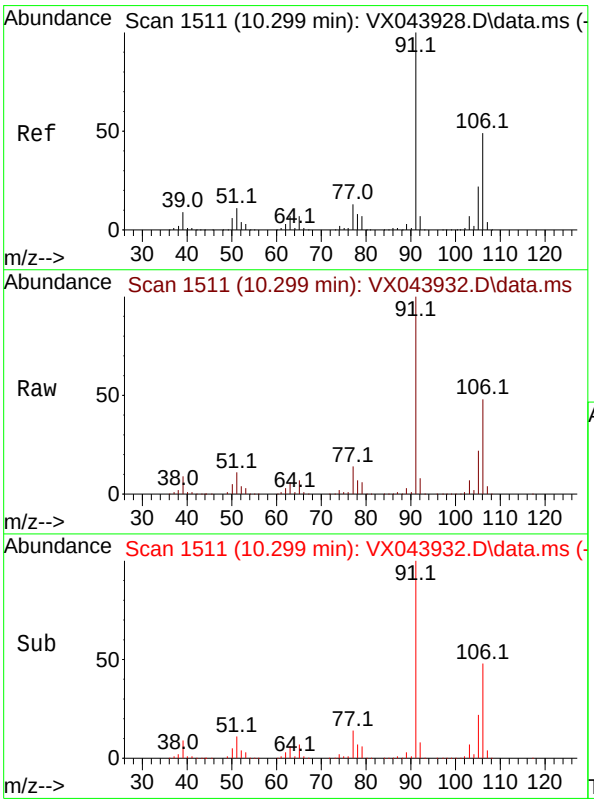

#67
Ethyl Benzene
Concen: 50.991 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 91 Resp: 377215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 23.6 | 35.4 |

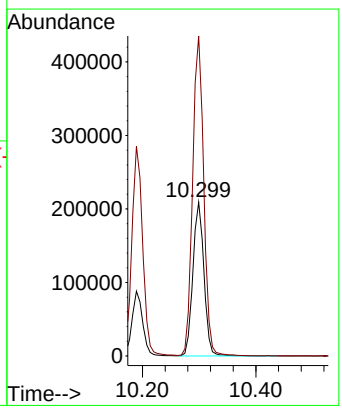


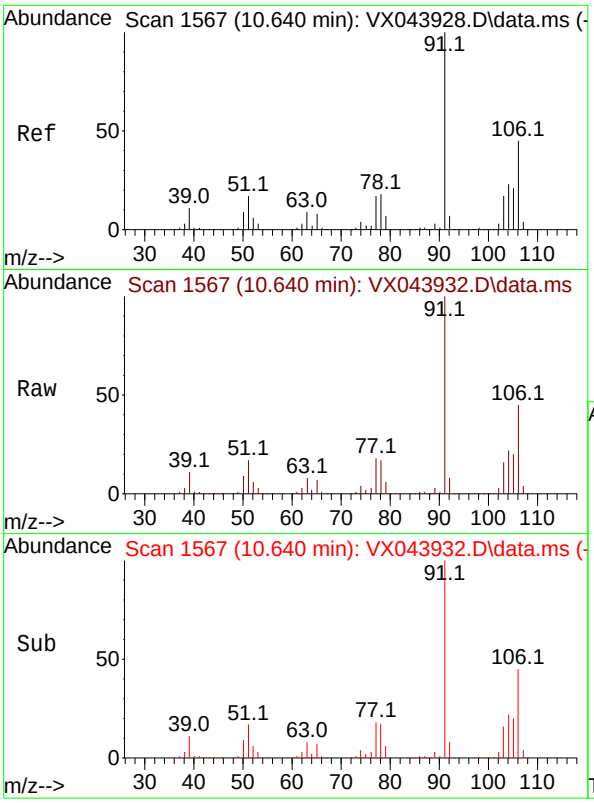




#68
m/p-Xylenes
Concen: 102.572 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:106 Resp: 282971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 168.1 | 252.1 |



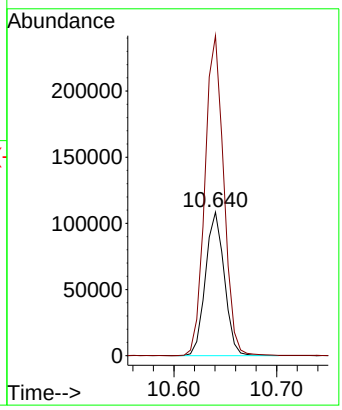


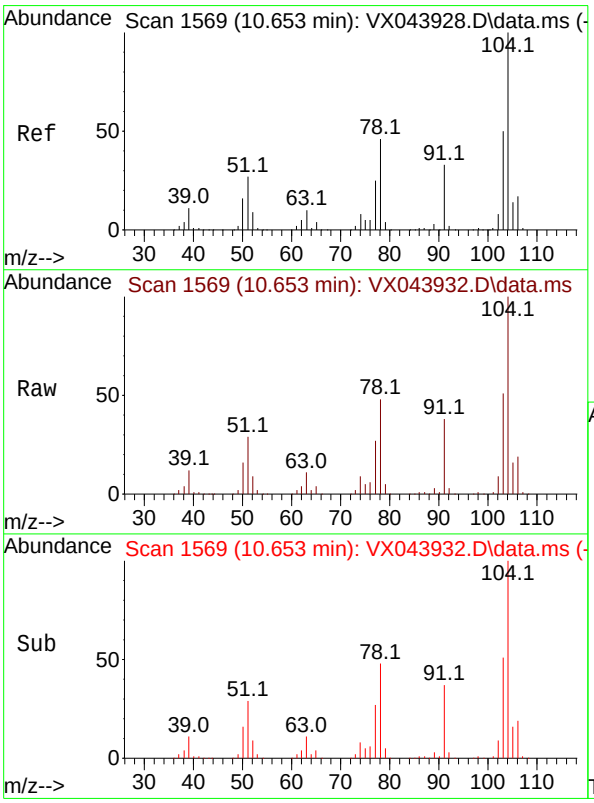

#69
o-Xylene
Concen: 51.396 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:106 Resp: 138437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.5 | 110.2 | 330.6 |

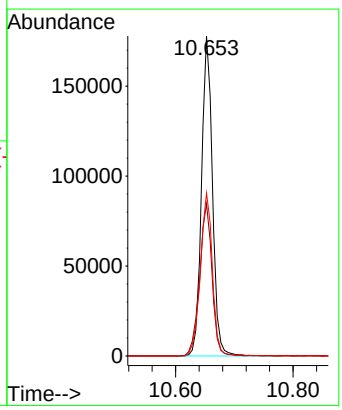


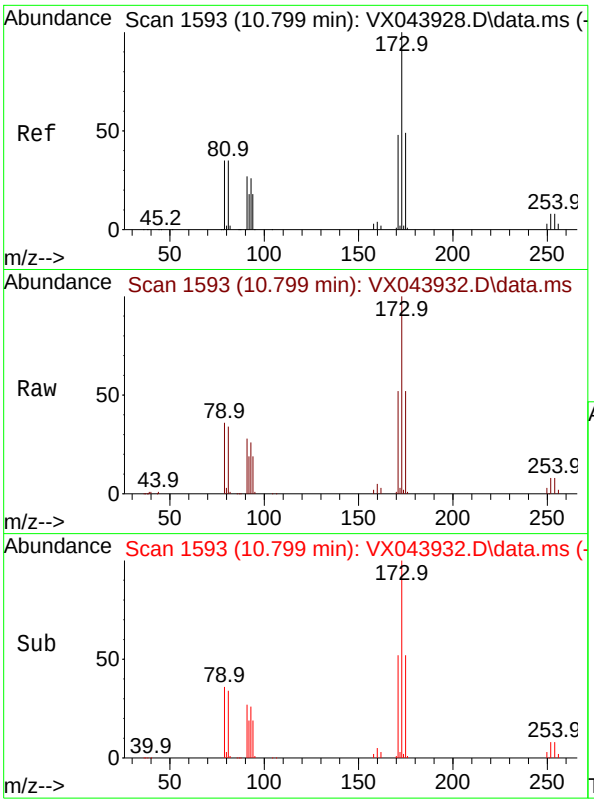




#70
Styrene
Concen: 51.728 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:104 Resp: 230449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 42.2 | 63.2 |
| 103 | 56.0 | 44.7 | 67.1 |



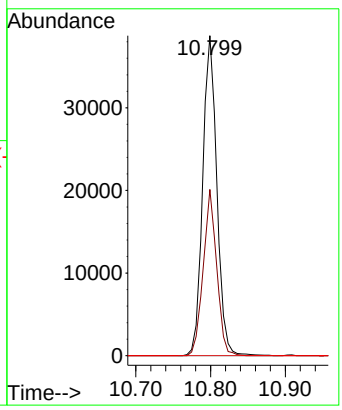


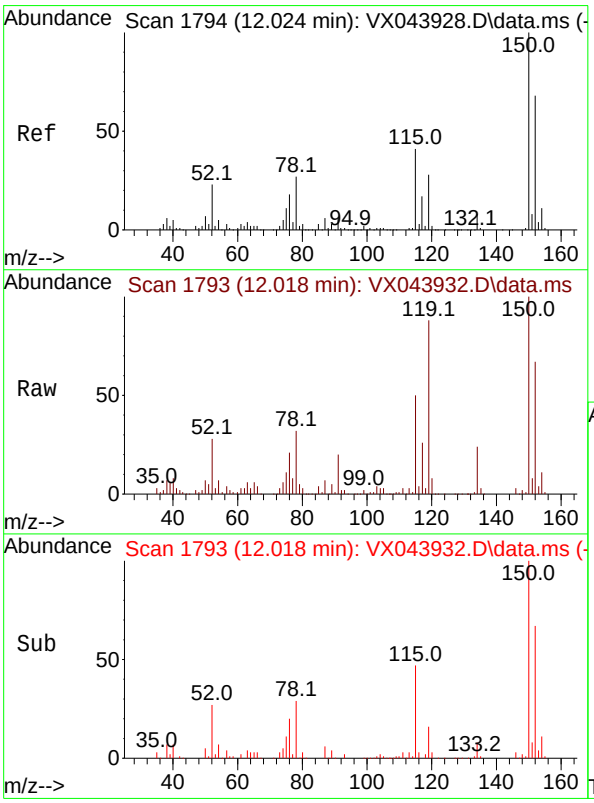

#71
Bromoform
Concen: 47.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:173 Resp: 50837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

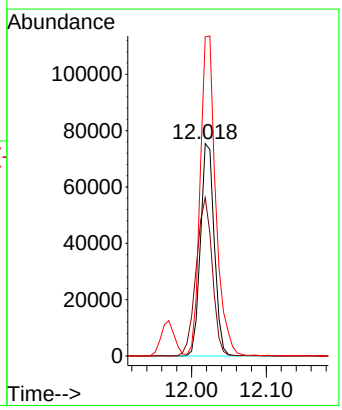


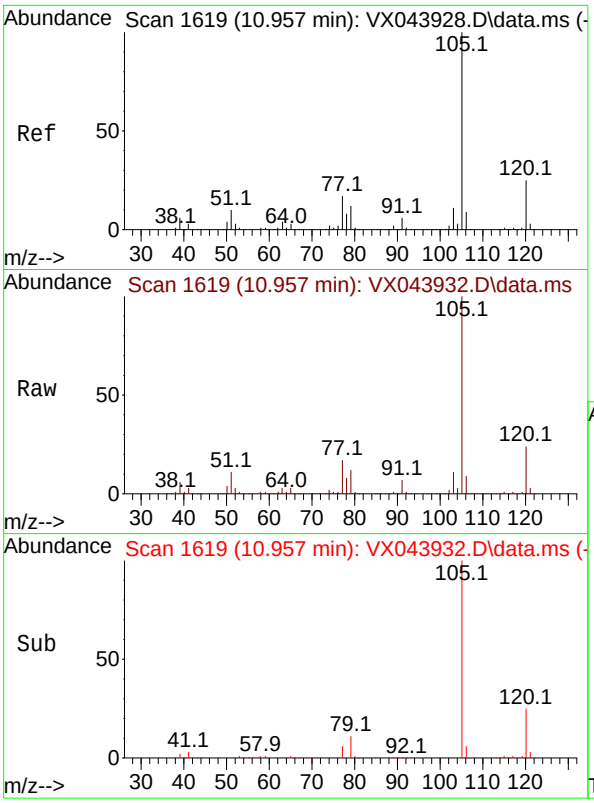




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:152 Resp: 96489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.3 | 45.4 | 136.2 |
| 150 | 169.5 | 0.0 | 353.0 |



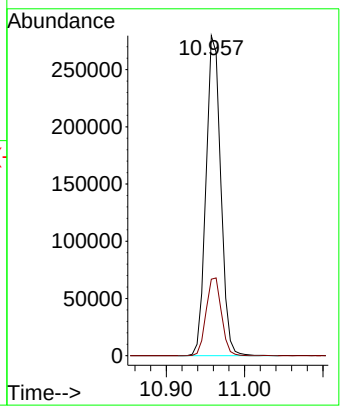


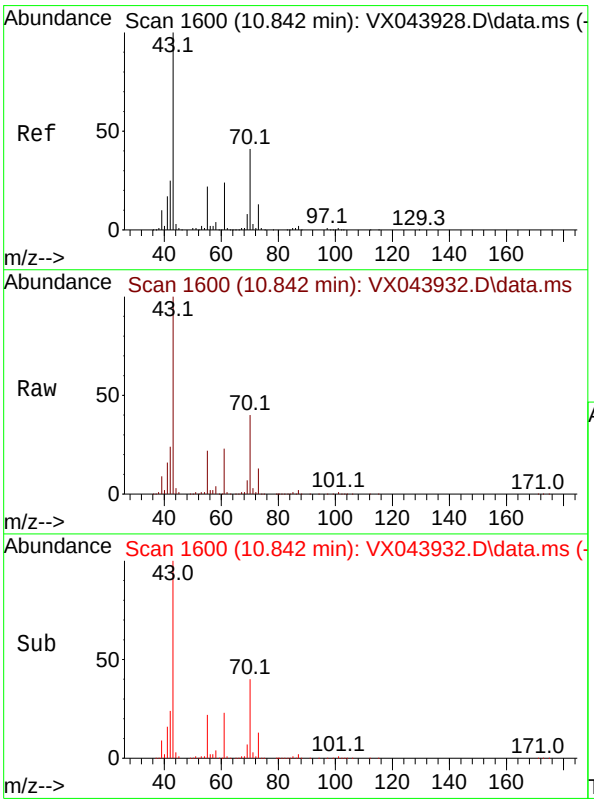

#73
Isopropylbenzene
Concen: 49.222 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:105 Resp: 365084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.3 | 13.0 | 38.9 |

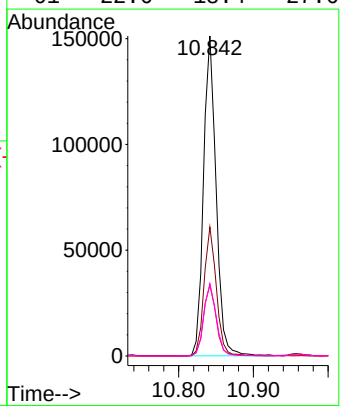


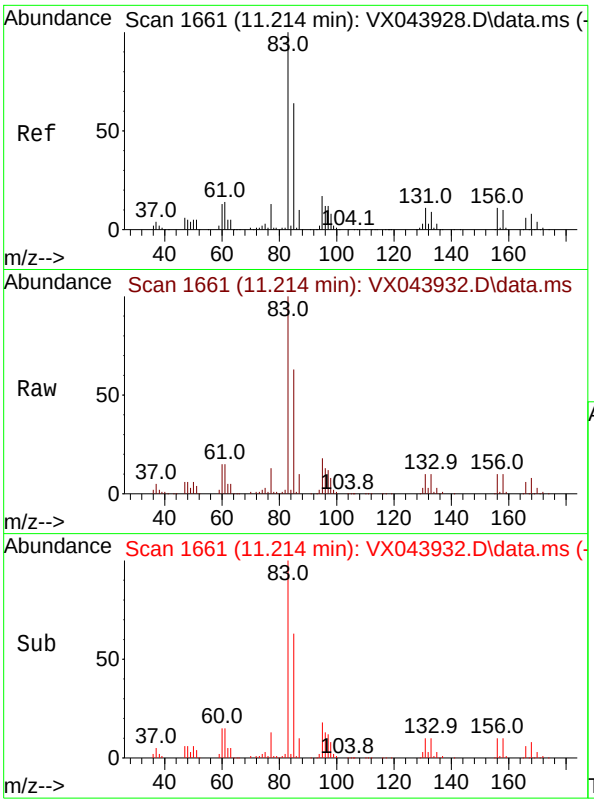




#74
N-amyl acetate
Concen: 51.406 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.7 | 32.2 | 48.2 |
| 55 | 22.4 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |



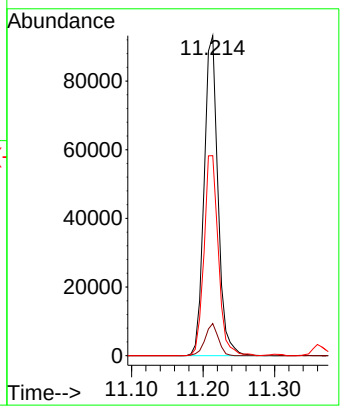


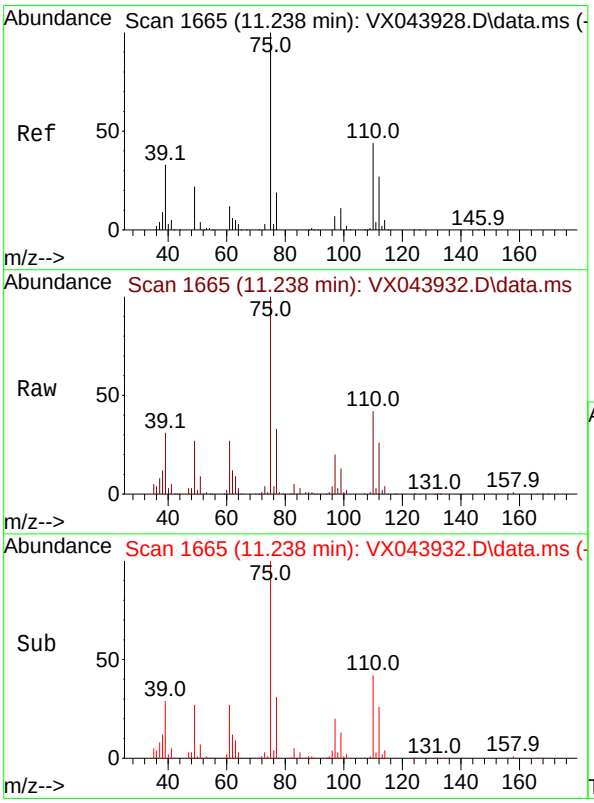

#75
1,1,2,2-Tetrachloroethane
Concen: 49.356 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 83 Resp: 125346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.1 | 15.2 |
| 85 | 64.9 | 32.2 | 96.6 |

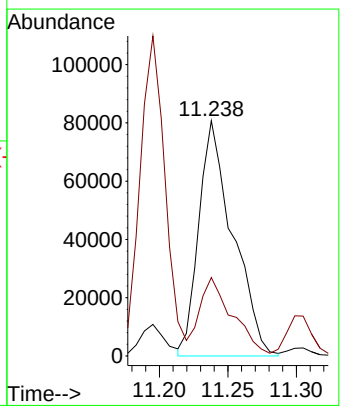


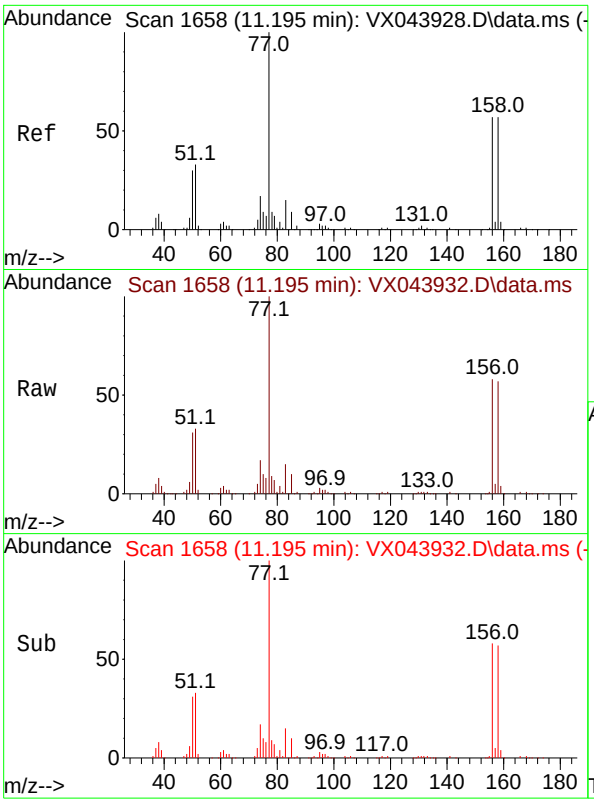




#76
1,2,3-Trichloropropane
Concen: 66.099 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 21.8 | 65.3 |



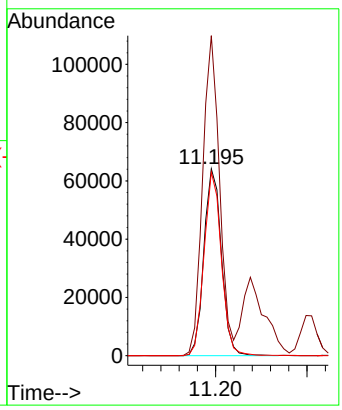


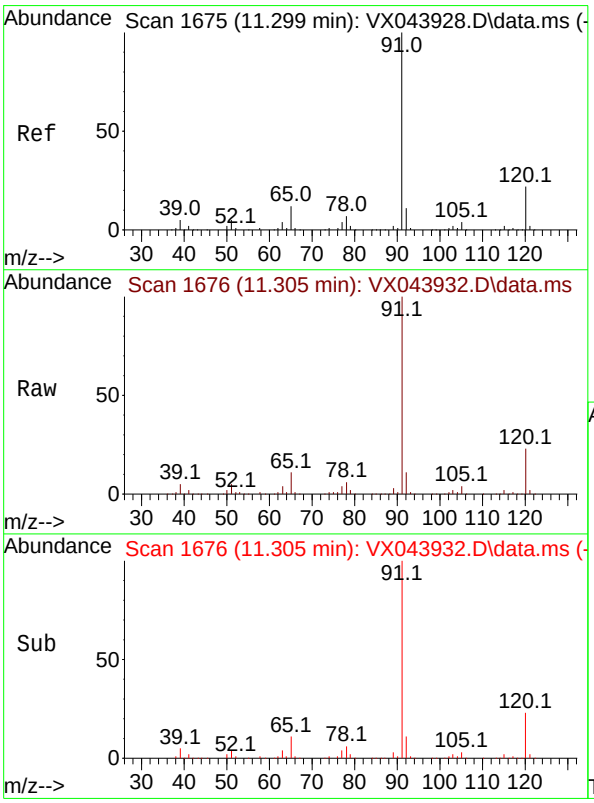

#77
Bromobenzene
Concen: 48.081 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:156 Resp: 85070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.4 | 83.4 | 250.1 |
| 158 | 96.9 | 47.6 | 142.8 |

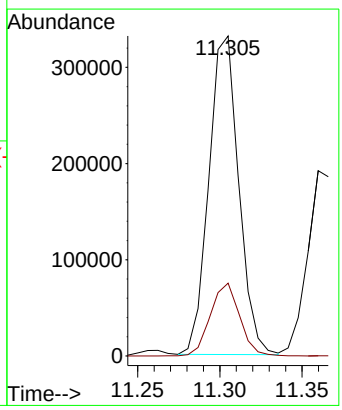


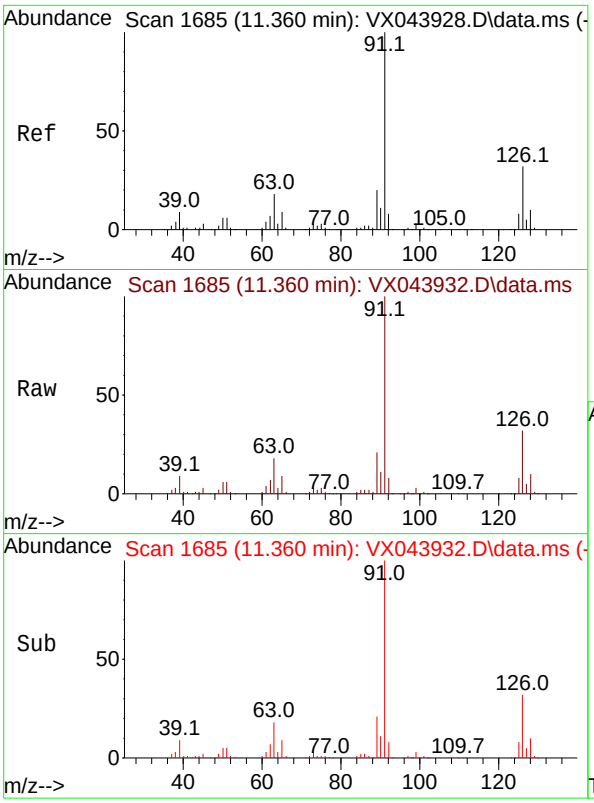




#78
n-propylbenzene
Concen: 50.652 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 419586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.4 |



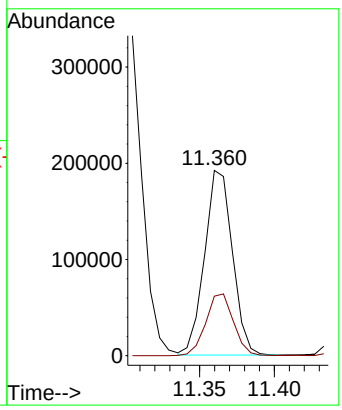


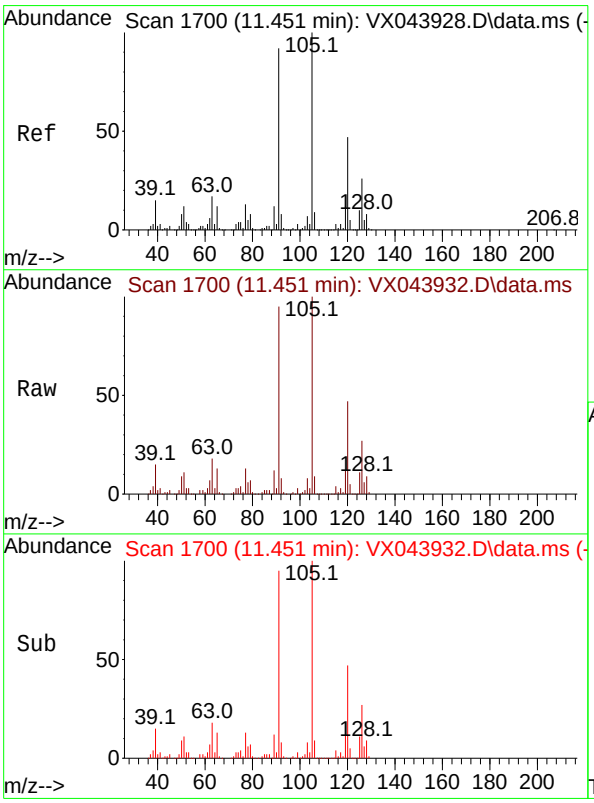

#79
2-Chlorotoluene
Concen: 47.551 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 91 Resp: 249079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |

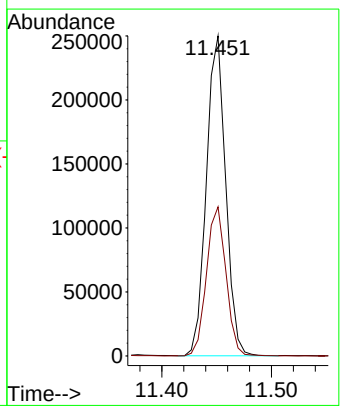


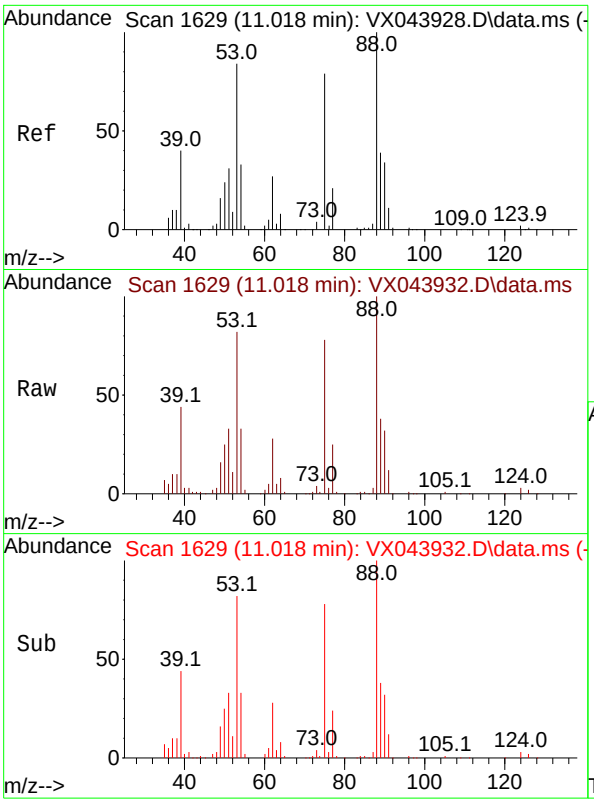




#80
1,3,5-Trimethylbenzene
Concen: 50.134 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.3 | 23.3 | 69.8 |



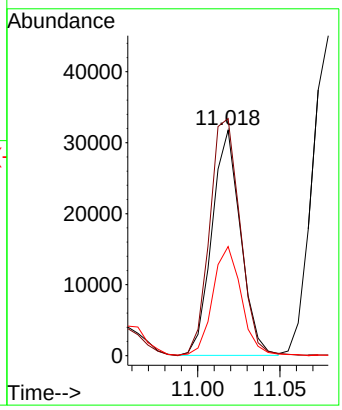


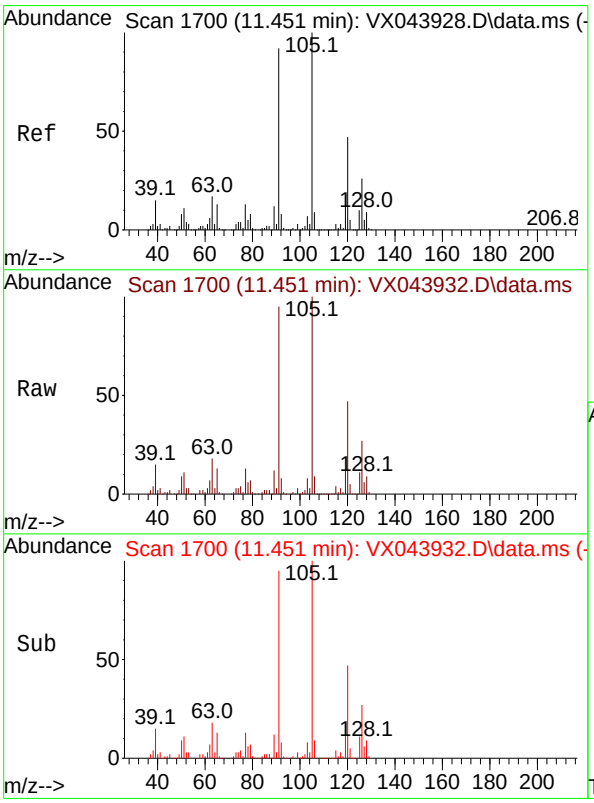

#81
trans-1,4-Dichloro-2-butene
Concen: 49.756 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 75 Resp: 38583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 111.7 | 86.7 | 130.1 |
| 89 | 48.1 | 38.2 | 57.2 |

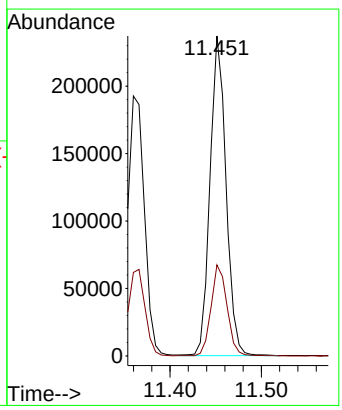


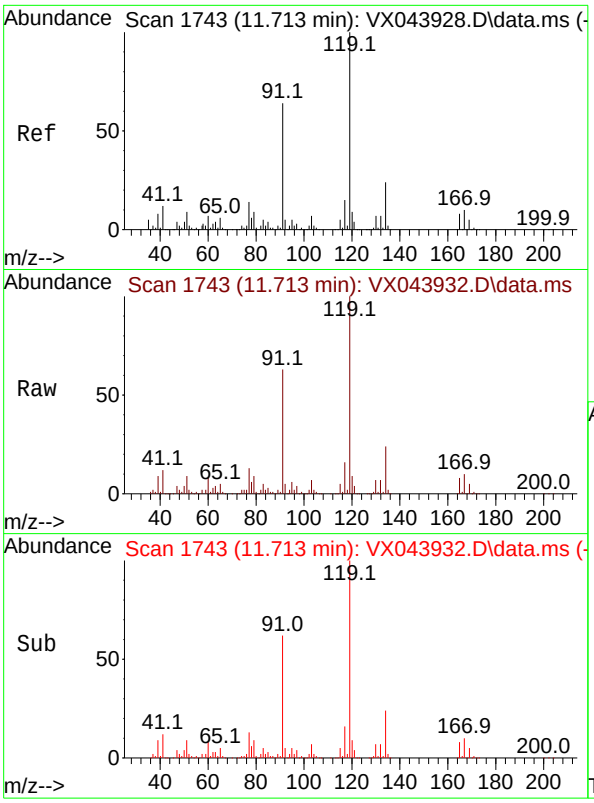




#82
4-Chlorotoluene
Concen: 48.652 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |



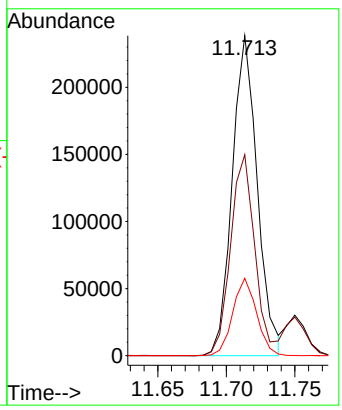


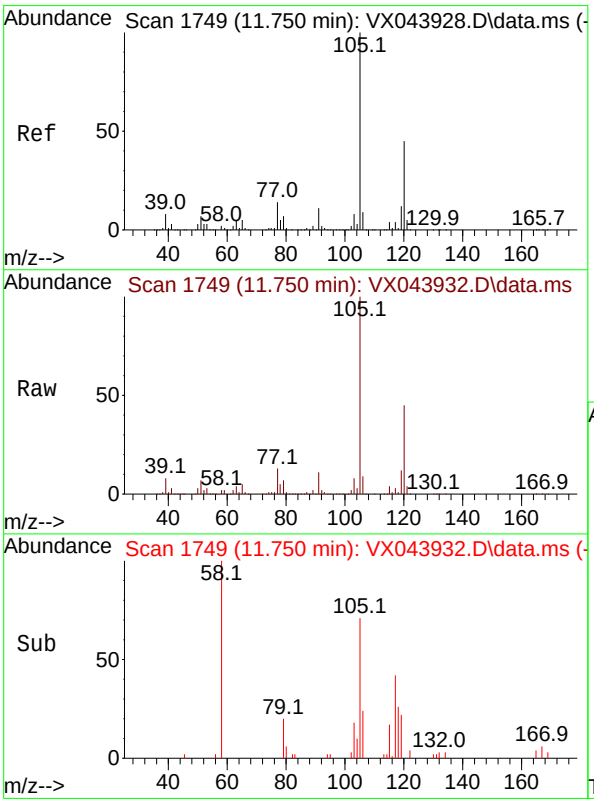

#83
tert-Butylbenzene
Concen: 50.165 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:119 Resp: 303408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.2 | 31.0 | 93.0 |
| 134 | 23.1 | 11.6 | 34.8 |

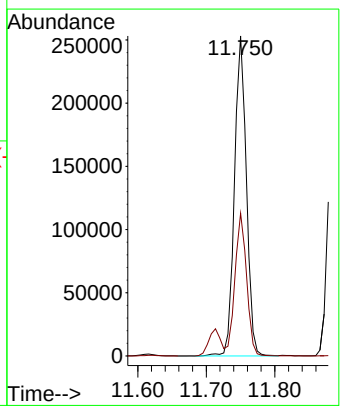


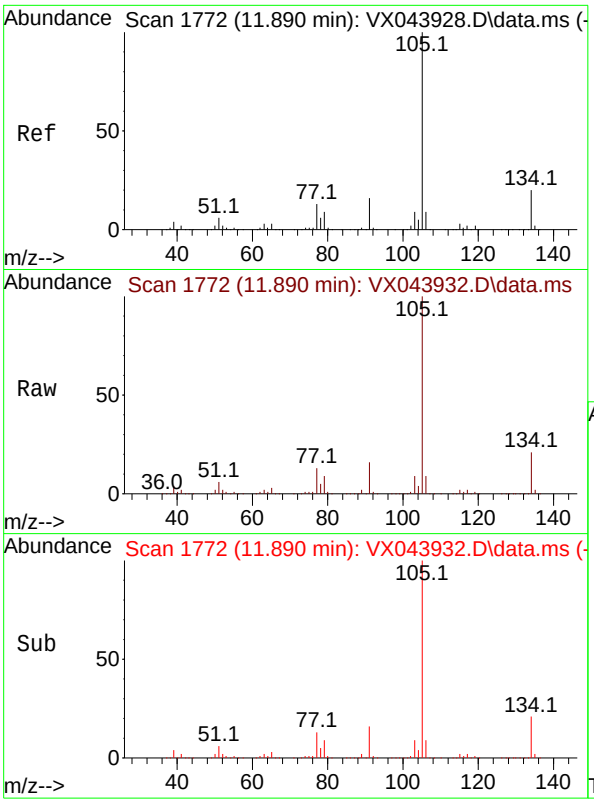




#84
1,2,4-Trimethylbenzene
Concen: 50.410 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 21.9 | 65.7 |



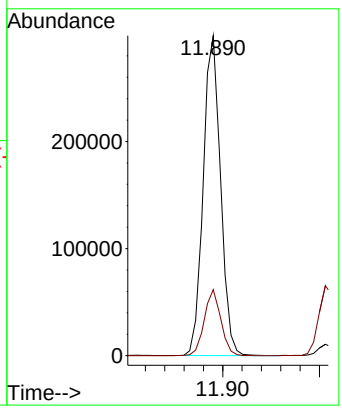


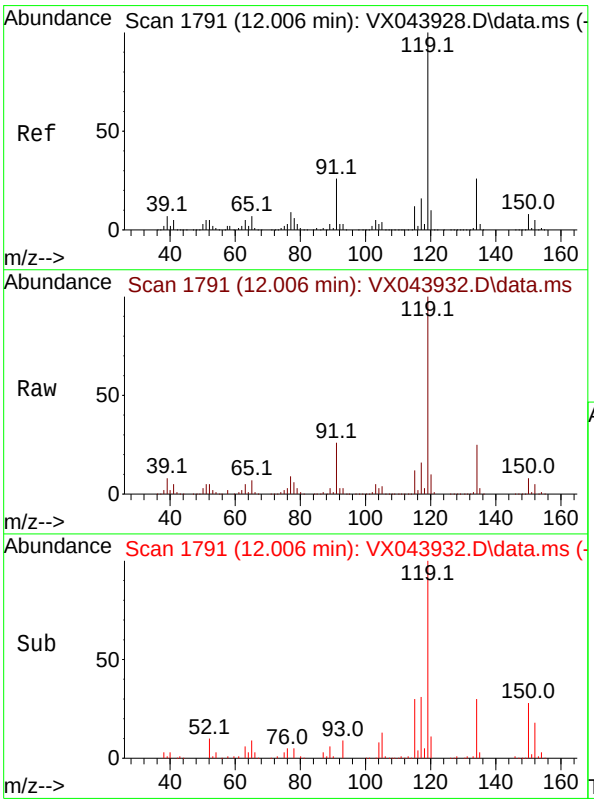

#85
sec-Butylbenzene
Concen: 50.307 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:105 Resp: 372793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.7 | 29.1 |

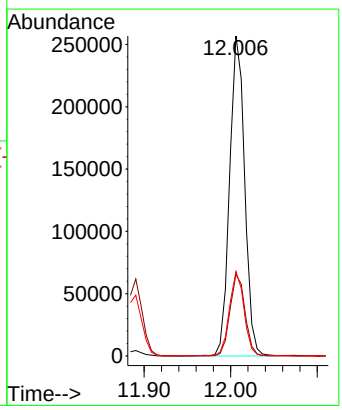


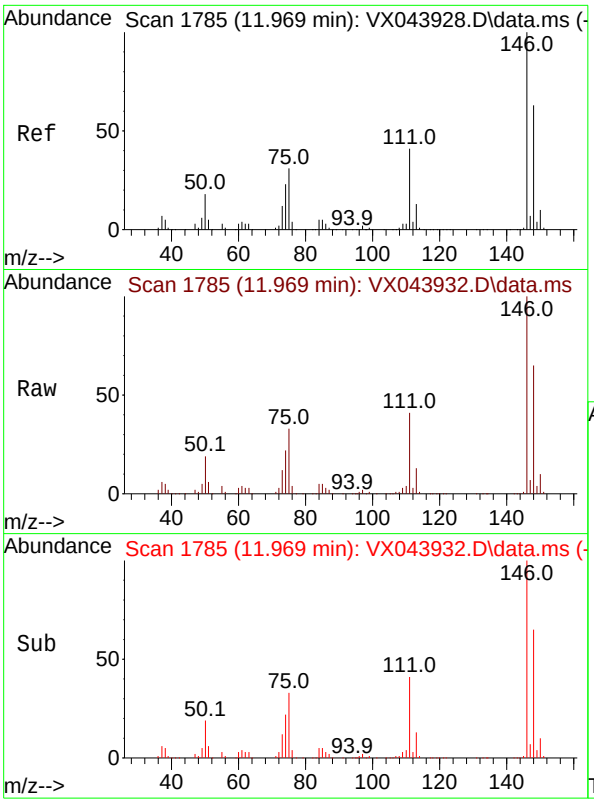




#86
p-Isopropyltoluene
Concen: 51.511 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 25.7 | 13.0 | 38.9 |



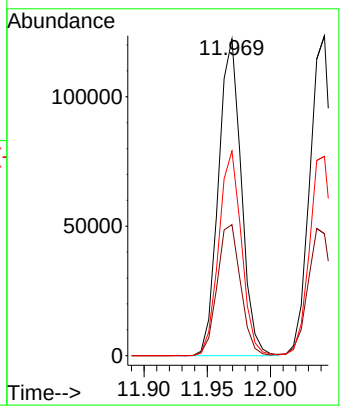


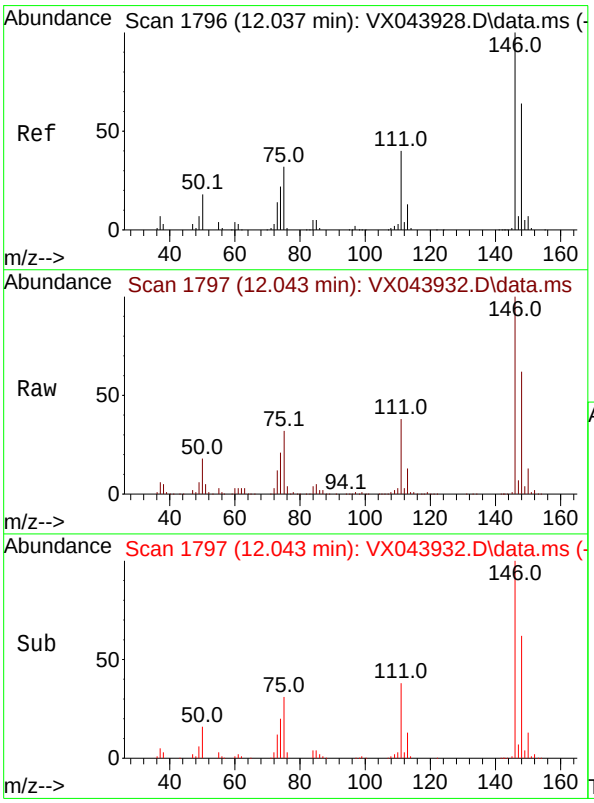

#87
1,3-Dichlorobenzene
Concen: 47.529 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:146 Resp: 153164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 21.1 | 63.3 |
| 148 | 64.4 | 31.7 | 95.1 |

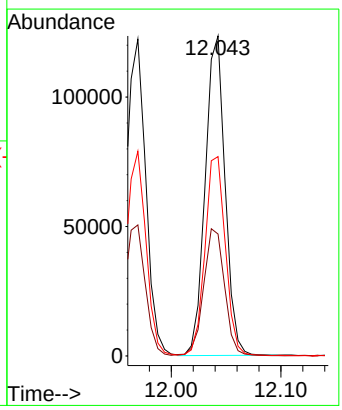


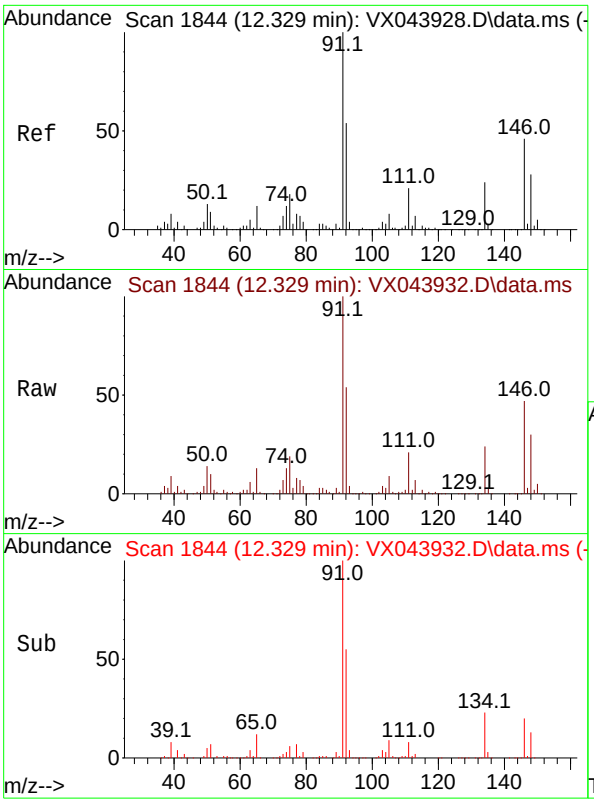




#88
1,4-Dichlorobenzene
Concen: 47.306 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:146 Resp: 155422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 20.1 | 60.3 |
| 148 | 64.7 | 30.9 | 92.8 |



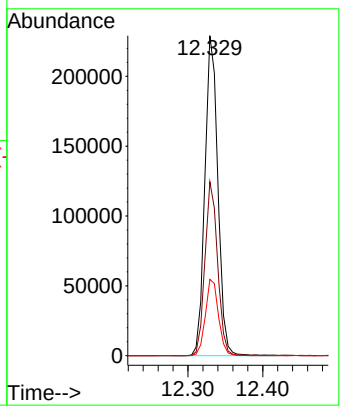


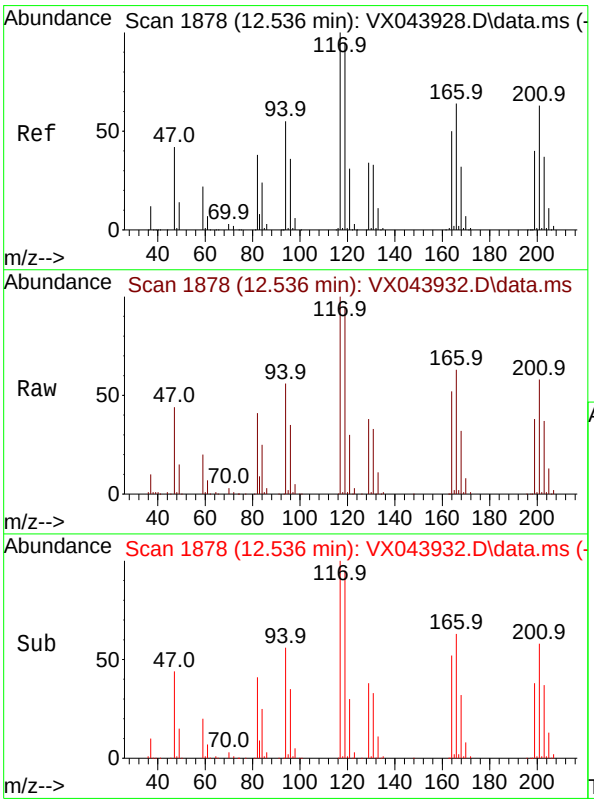

#89
n-Butylbenzene
Concen: 52.020 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion: 91 Resp: 276075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.1 | 26.6 | 79.8 |
| 134 | 24.0 | 12.4 | 37.2 |

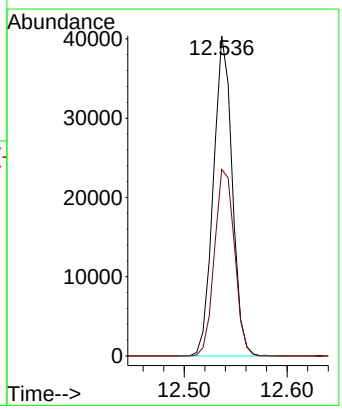


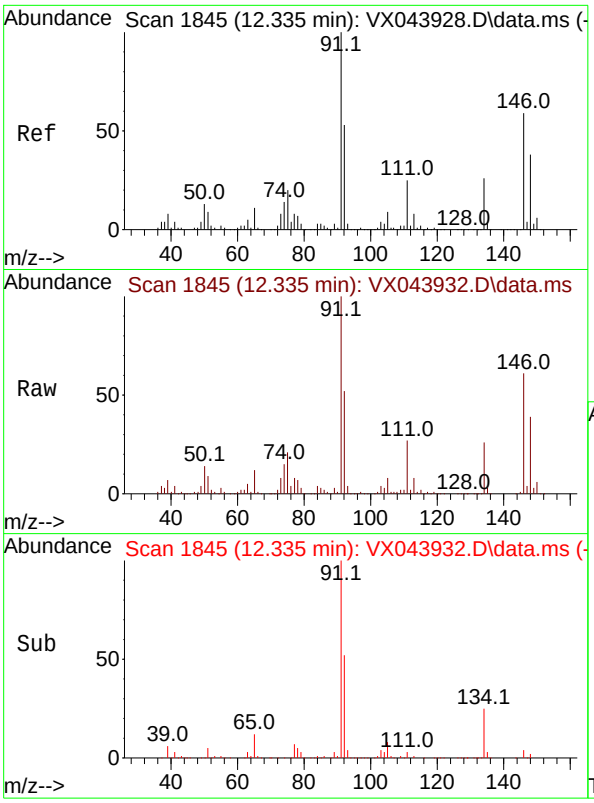




#90
Hexachloroethane
Concen: 50.050 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:117 Resp: 51229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.2 | 32.4 | 97.0 |



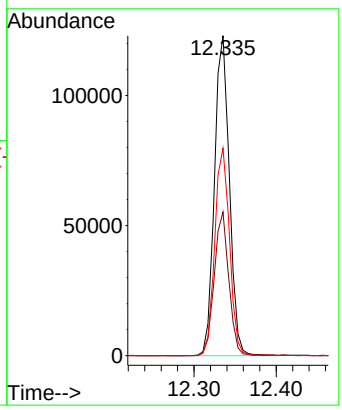


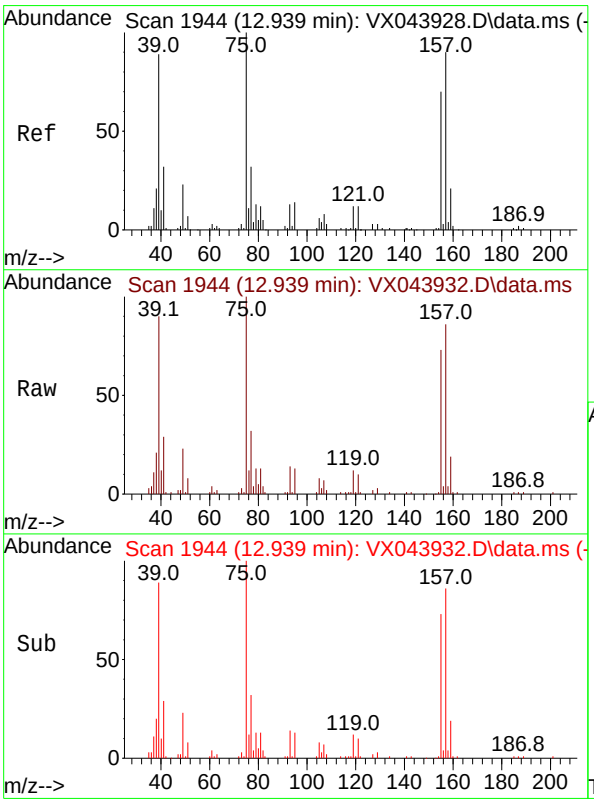

#91
1,2-Dichlorobenzene
Concen: 47.656 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:146 Resp: 154980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 21.5 | 64.5 |
| 148 | 64.3 | 31.9 | 95.5 |

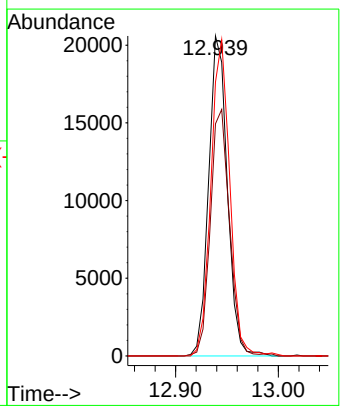


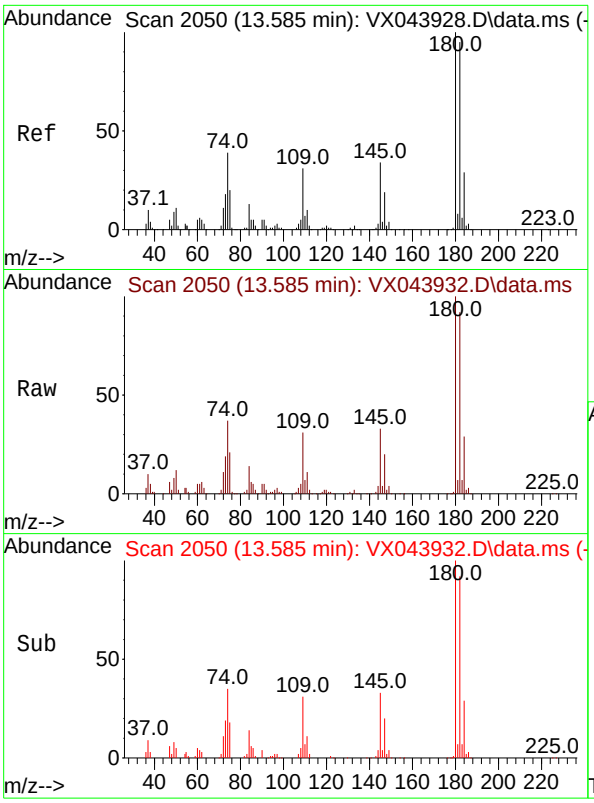




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.030 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 25968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.4 | 40.1 | 120.2 |
| 157 | 99.8 | 49.6 | 149.0 |



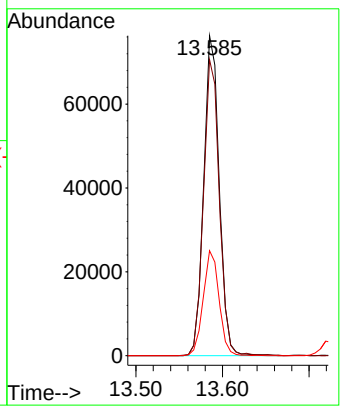


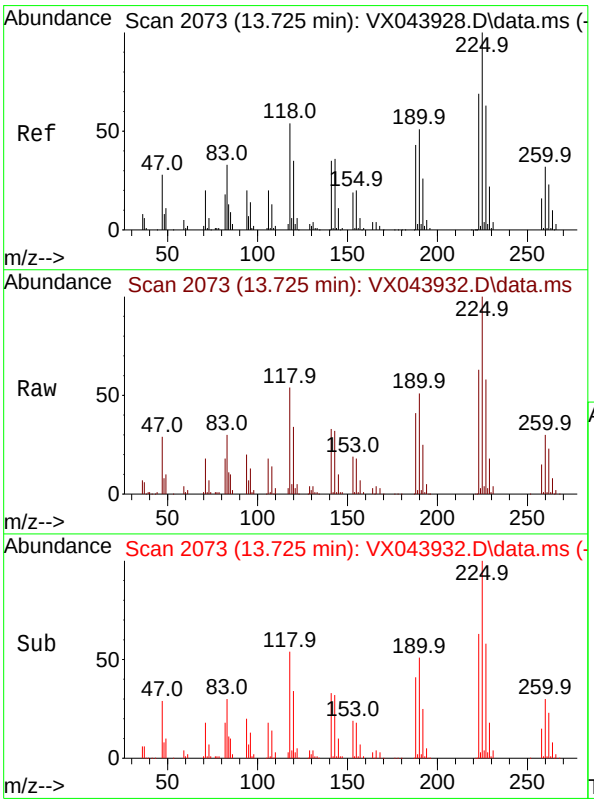

#93
1,2,4-Trichlorobenzene
Concen: 49.495 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:180 Resp: 94896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 48.0 | 144.2 |
| 145 | 33.6 | 16.8 | 50.4 |

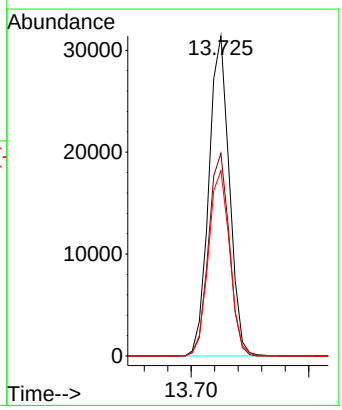


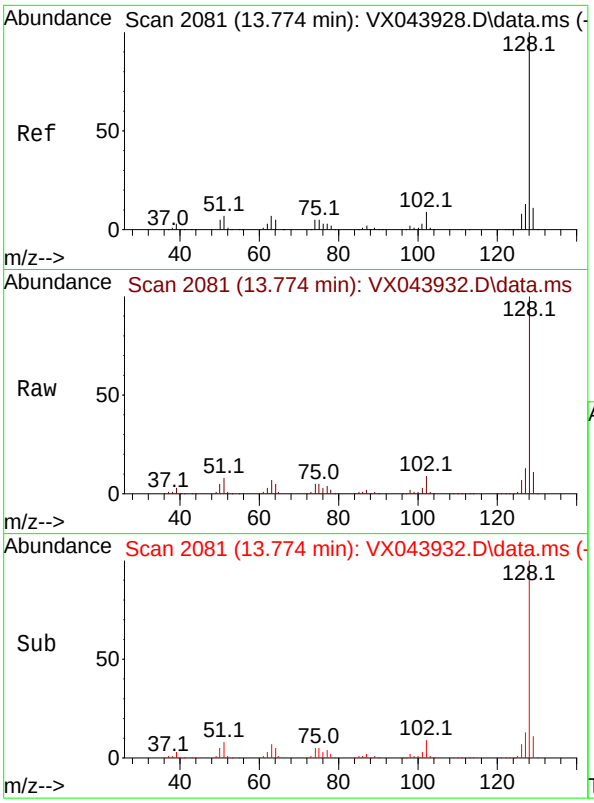




#94
Hexachlorobutadiene
Concen: 50.065 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:225 Resp: 37937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 32.9 | 98.6 |
| 227 | 60.3 | 31.6 | 94.8 |



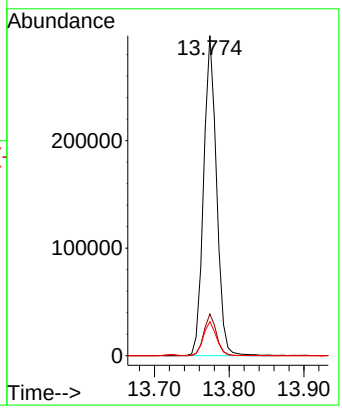


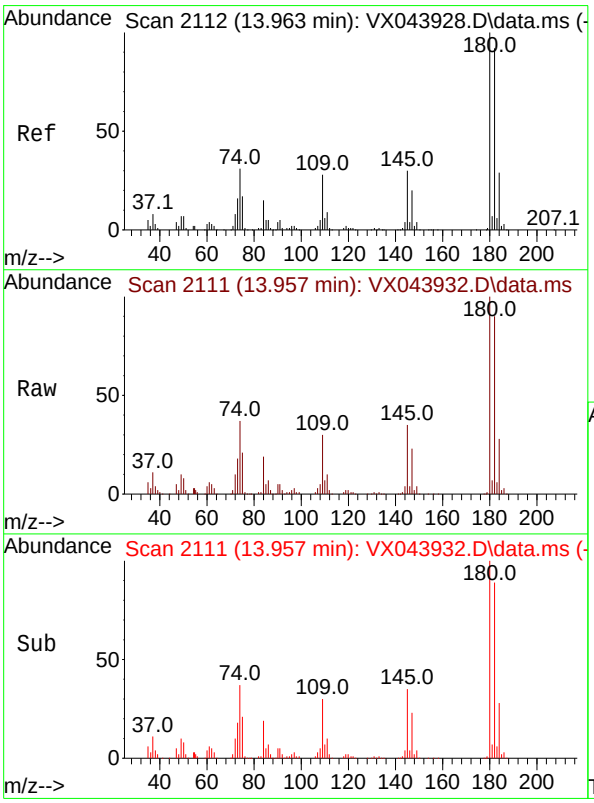

#95
Naphthalene
Concen: 51.831 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX112124

Tgt Ion:128 Resp: 357725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |

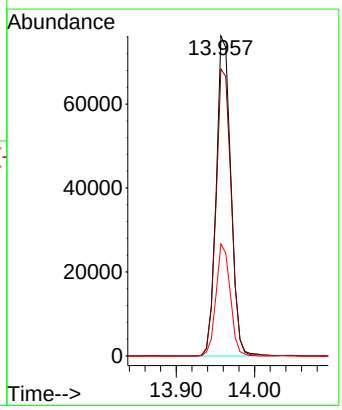



#96
1,2,3-Trichlorobenzene
Concen: 51.246 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043932.D
Acq: 21 Nov 2024 13:57

Tgt Ion:180 Resp: 99447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.9 | 45.6 | 136.8 |
| 145 | 33.9 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 142766 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 267012 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 228045 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 103776 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 124276 | 50.752 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.500% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 91160 | 47.779 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.560% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 317933 | 48.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.680% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 108557 | 48.500 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 97.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 31644 | 17.496 | ug/l | 98 |
| 3) Chloromethane | 1.294 | 50 | 36847 | 19.360 | ug/l | 99 |
| 4) Vinyl Chloride | 1.373 | 62 | 37415 | 18.482 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 23252 | 18.671 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 25511 | 20.682 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 62526 | 17.276 | ug/l | 96 |
| 8) Diethyl Ether | 2.135 | 74 | 24824 | 18.818 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 30361 | 17.586 | ug/l | 97 |
| 10) Methyl Iodide | 2.440 | 142 | 40203 | 18.646 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.989 | 59 | 38906 | 98.988 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 29503 | 17.934 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 42291 | 102.084 | ug/l | 99 |
| 14) Allyl chloride | 2.660 | 41 | 51021 | 18.981 | ug/l | 98 |
| 15) Acrylonitrile | 3.062 | 53 | 92560 | 96.638 | ug/l | 100 |
| 16) Acetone | 2.385 | 43 | 101855 | 90.565 | ug/l | 97 |
| 17) Carbon Disulfide | 2.501 | 76 | 58275 | 17.173 | ug/l | 99 |
| 18) Methyl Acetate | 2.702 | 43 | 49216 | 18.791 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 115740 | 19.376 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 35446 | 18.572 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 31372 | 18.471 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 111101 | 19.329 | ug/l | 94 |
| 23) Vinyl Acetate | 3.721 | 43 | 476192 | 96.846 | ug/l | 97 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 65402 | 19.724 | ug/l | 96 |
| 25) 2-Butanone | 4.568 | 43 | 138662 | 95.552 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.470 | 77 | 56366 | 18.822 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 39708 | 18.914 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 31107 | 21.312 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 84978 | 95.518 | ug/l | 100 |
| 30) Chloroform | 5.092 | 83 | 68049 | 19.081 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 49603 | 18.175 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 58005 | 18.860 | ug/l | 98 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 42738 | 17.976 | ug/l | 97 |
| 37) Ethyl Acetate | 4.714 | 43 | 53303 | 18.061 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 45524 | 17.041 | ug/l | 92 |
| 39) Methylcyclohexane | 7.372 | 83 | 52337 | 16.945 | ug/l | 96 |
| 40) Benzene | 6.031 | 78 | 135924 | 18.354 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 27866 | 18.448 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 54631 | 18.367 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 86117 | 18.335 | ug/l | | 100 |
| 44) Trichloroethene | 7.122 | 130 | 32553 | 15.527 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 33732 | 18.597 | ug/l | | 97 |
| 46) Dibromomethane | 7.580 | 93 | 26570 | 18.518 | ug/l | | 96 |
| 47) Bromodichloromethane | 7.817 | 83 | 46576 | 18.099 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.695 | 41 | 41342 | 18.344 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 12789 | 318.568 | ug/l | # | 87 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 269146 | 93.903 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 83929 | 18.934 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 47377 | 18.054 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 52751 | 18.337 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.146 | 97 | 33370 | 18.237 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 54635 | 19.170 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 58840 | 19.090 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 123798 | 78.637 | ug/l | | 97 |
| 59) 2-Hexanone | 9.433 | 43 | 202359 | 93.932 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 32200 | 17.540 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 35312 | 19.086 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.274 | 164 | 26574 | 17.672 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 88135 | 17.597 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 29197 | 17.975 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.195 | 91 | 156237 | 18.409 | ug/l | | 96 |
| 68) m/p-Xylenes | 10.299 | 106 | 118047 | 37.298 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 58089 | 18.798 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 96289 | 18.840 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 18754 | 16.601 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 150482 | 18.864 | ug/l | | 98 |
| 74) N-amyl acetate | 10.841 | 43 | 68384 | 18.505 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 51655 | 18.911 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 53408 | 23.468 | ug/l | | 84 |
| 77) Bromobenzene | 11.195 | 156 | 35017 | 18.401 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 164560 | 18.470 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 104587 | 18.564 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 123757 | 18.857 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12998 | 15.585 | ug/l | | 88 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 117669 | 18.500 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 120497 | 18.524 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 123662 | 18.926 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 146684 | 18.404 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 123130 | 19.019 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 62139 | 17.929 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 62631 | 17.725 | ug/l | | 96 |
| 89) n-Butylbenzene | 12.329 | 91 | 103605 | 18.151 | ug/l | | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 18185 | 16.519 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 62963 | 18.001 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75 | 9349 | 17.082 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 34254 | 16.611 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 14374 | 17.637 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 133553 | 17.992 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 36794 | 17.629 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

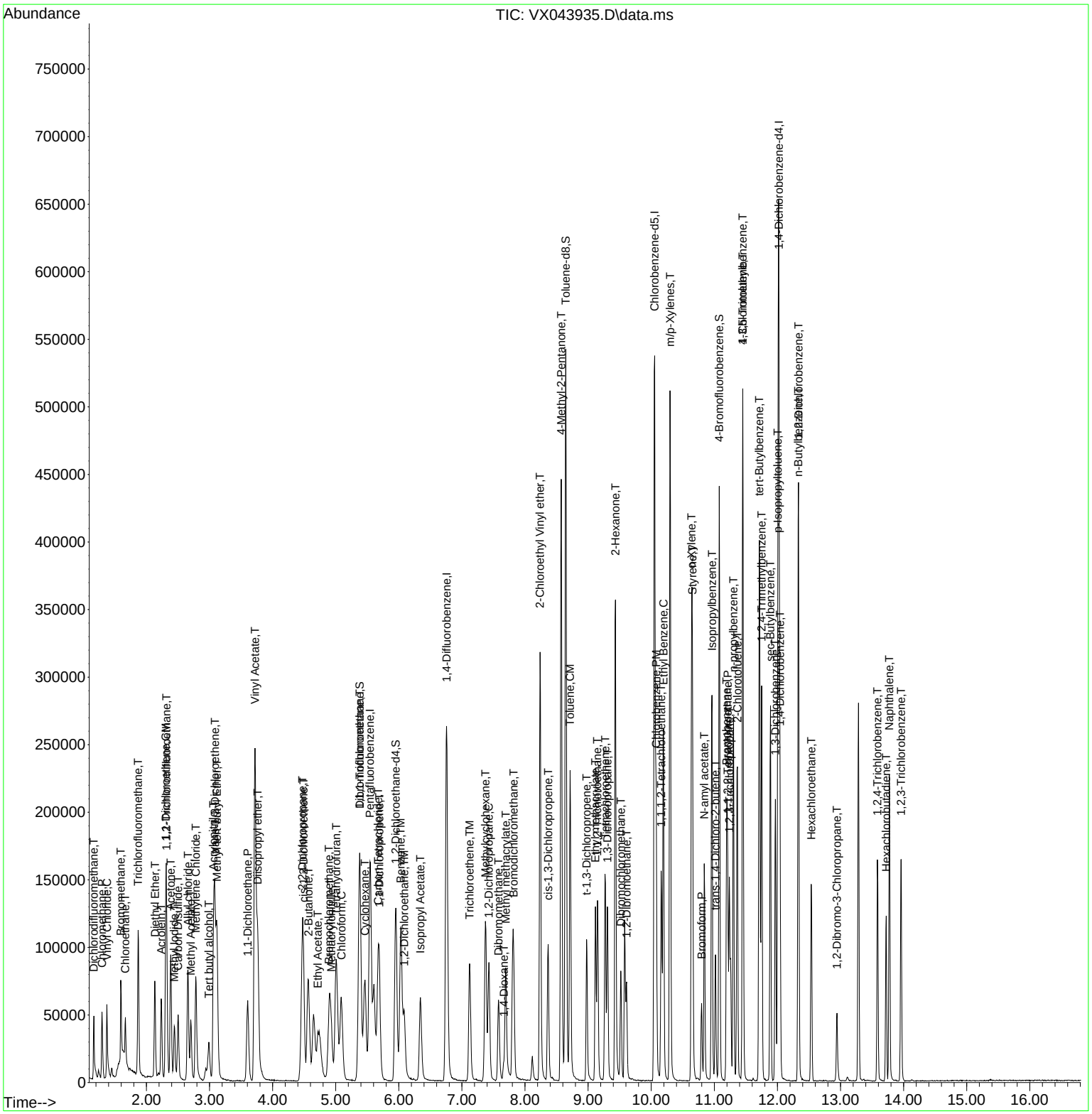
(#) = qualifier out of range (m) = manual integration (+) = signals summed

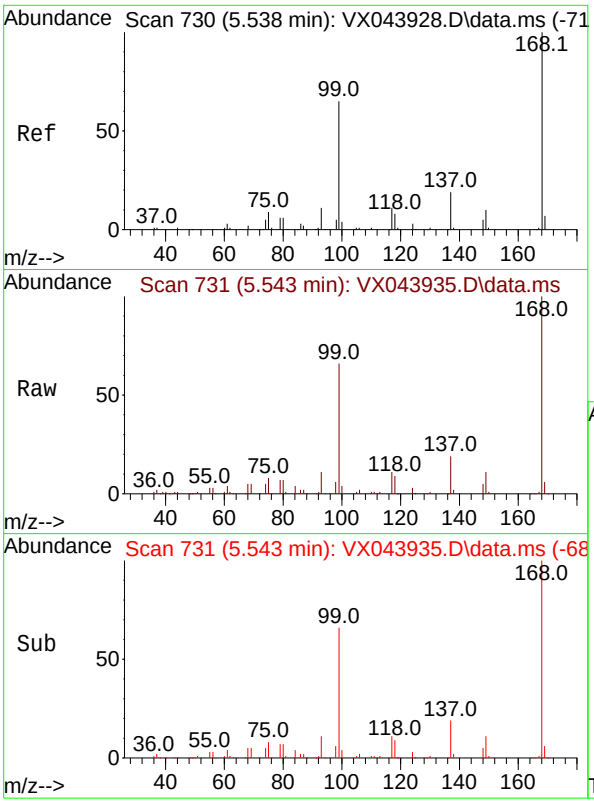
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043935.D
Acq On : 21 Nov 2024 15:13
Operator : JC/MD
Sample : VX1121WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Quant Time: Nov 22 03:58:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



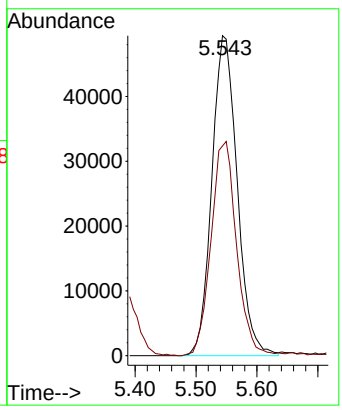


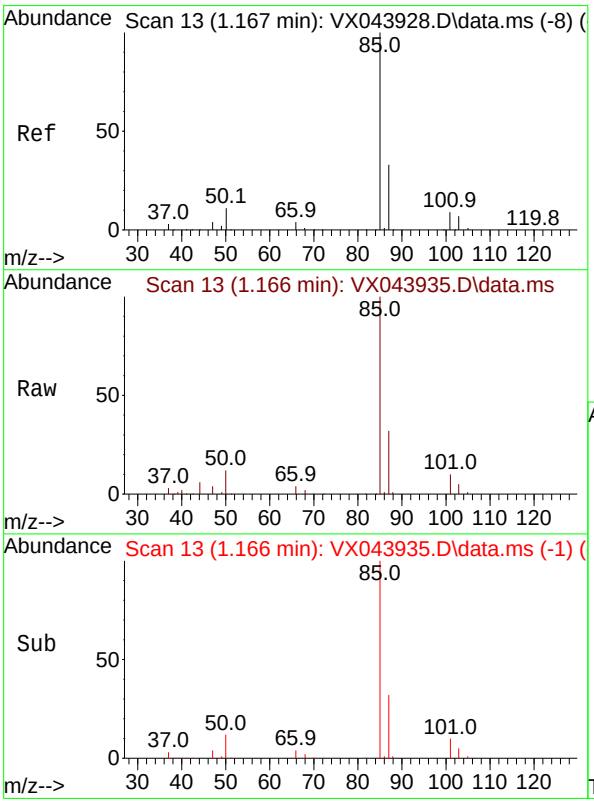

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:168 Resp: 142766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 65.5 | 51.8 | 77.8 |

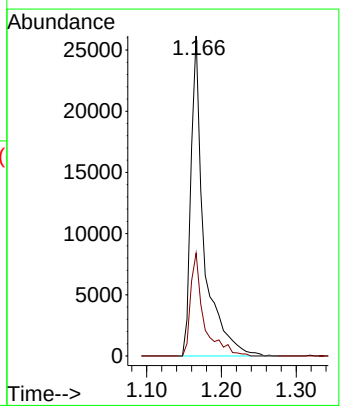


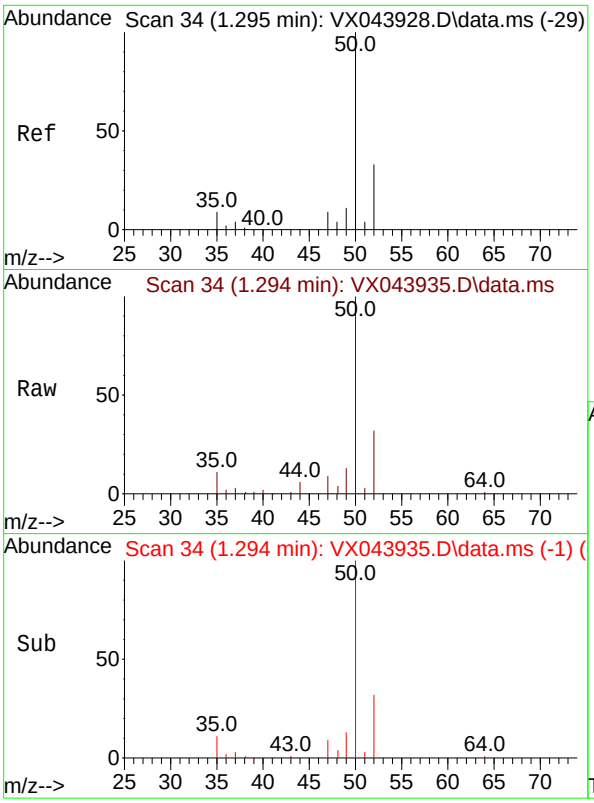




#2
Dichlorodifluoromethane
Concen: 17.496 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 85 Resp: 31644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.1 | 16.6 | 49.8 |



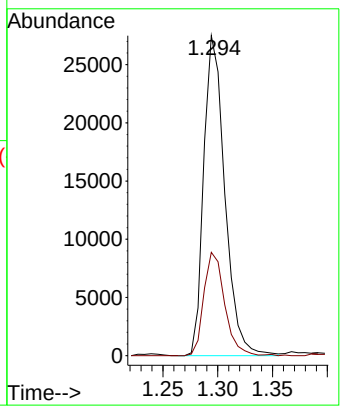


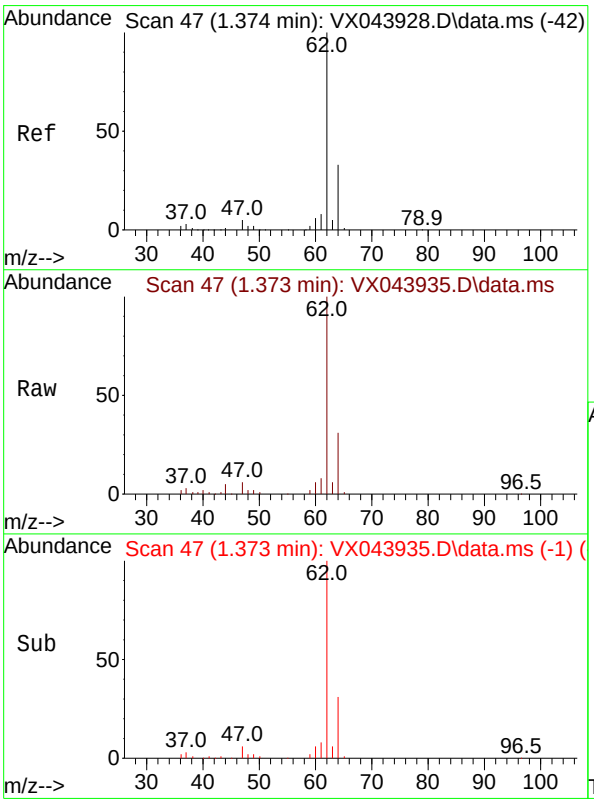

#3
Chloromethane
Concen: 19.360 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 50 Resp: 36847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.3 | 26.1 | 39.1 |

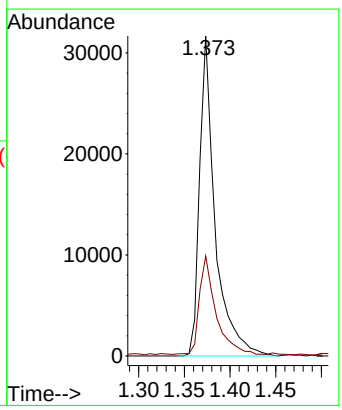


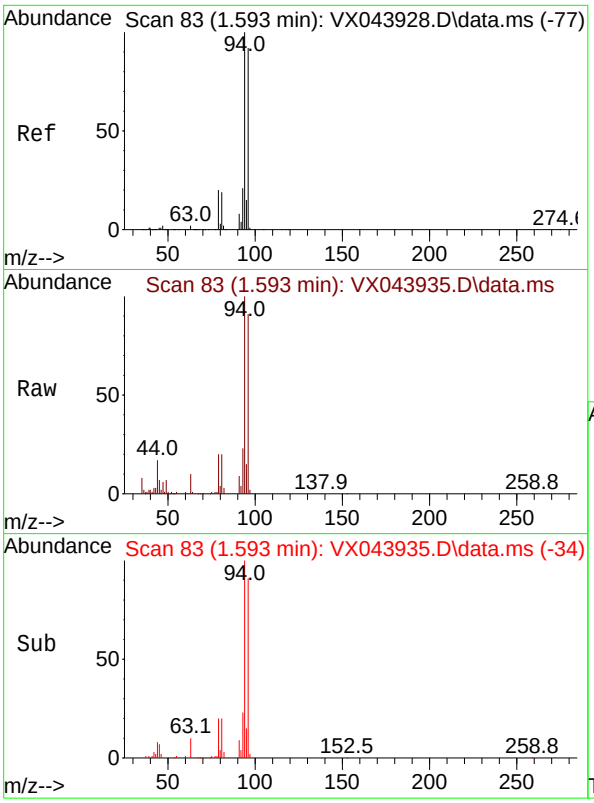




#4
Vinyl Chloride
Concen: 18.482 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 62 Resp: 37415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.7 | 26.2 | 39.4 |



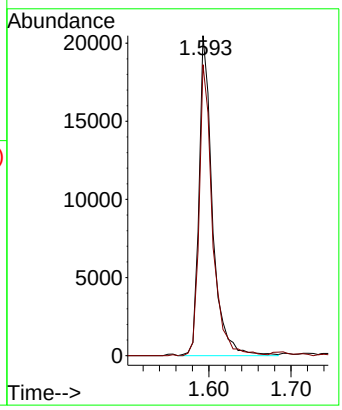


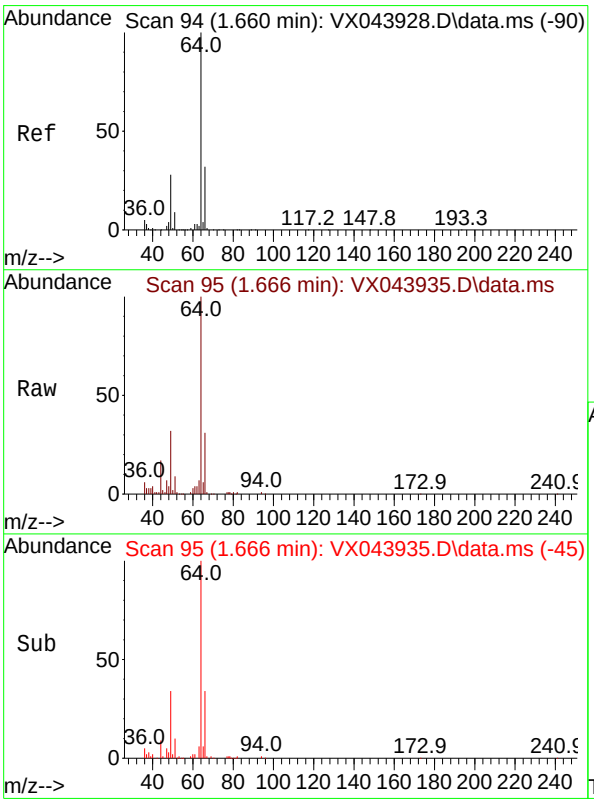

#5
Bromomethane
Concen: 18.671 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 94 Resp: 23252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.9 | 73.9 | 110.9 |

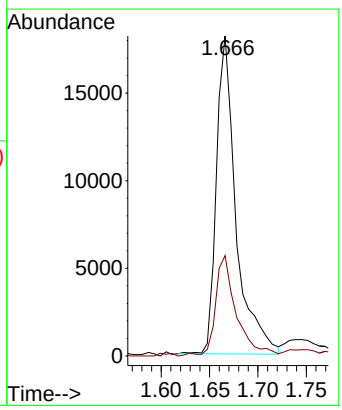


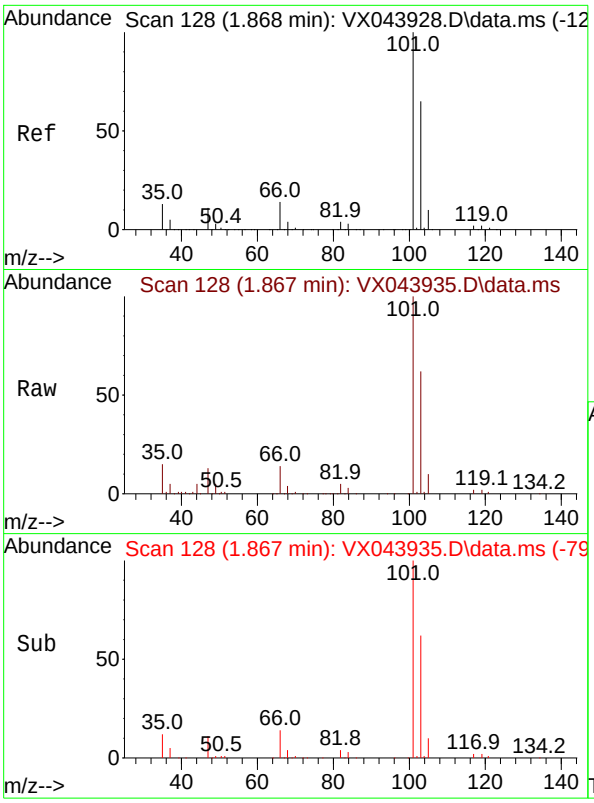




#6
Chloroethane
Concen: 20.682 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 64 Resp: 25511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 25.9 | 38.9 |



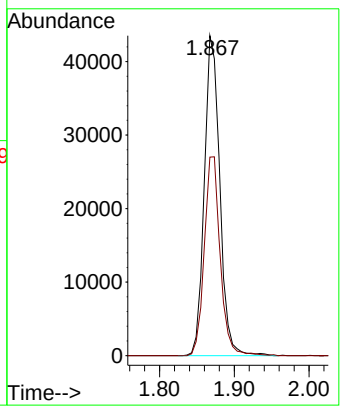


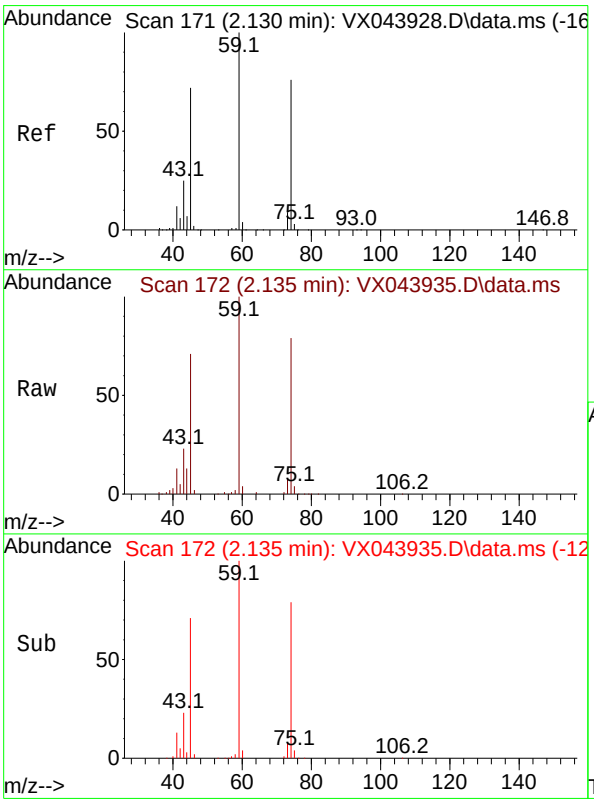

#7
Trichlorofluoromethane
Concen: 17.276 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:101 Resp: 62526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.0 | 52.2 | 78.2 |

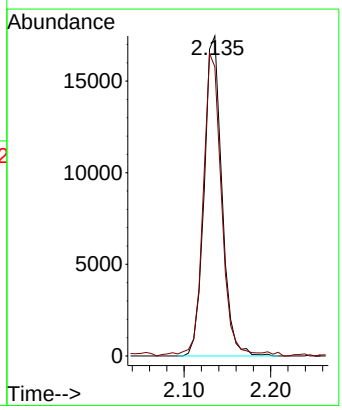


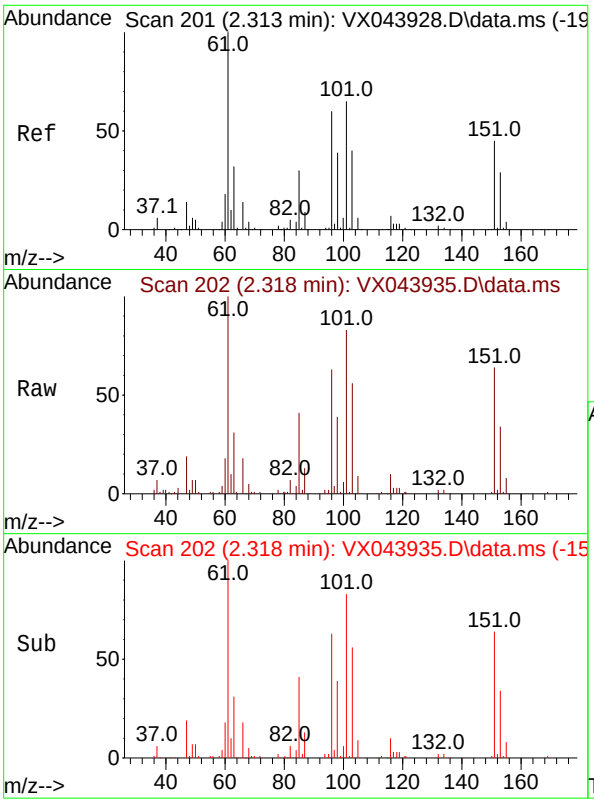




#8
Diethyl Ether
Concen: 18.818 ug/l
RT: 2.135 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 74 Resp: 24824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |



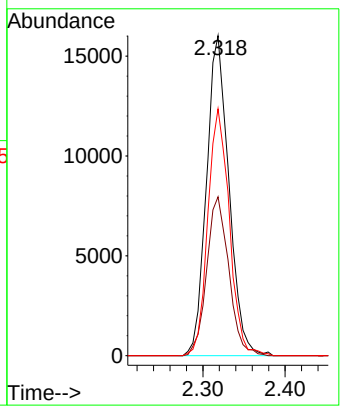


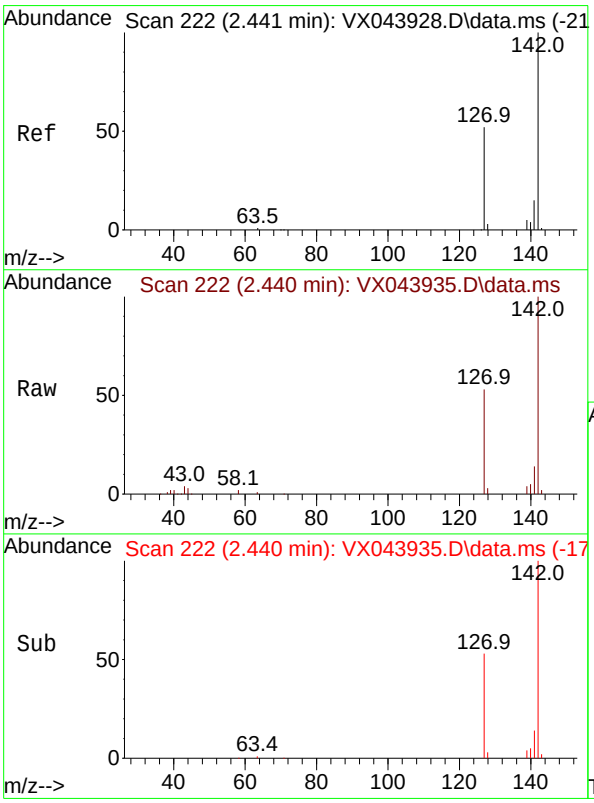

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.586 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:101 Resp: 30361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.0 | 37.9 | 56.9 |
| 151 | 74.1 | 57.5 | 86.3 |

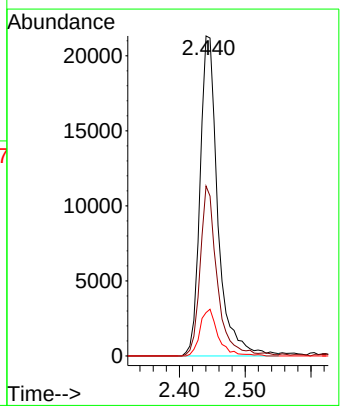


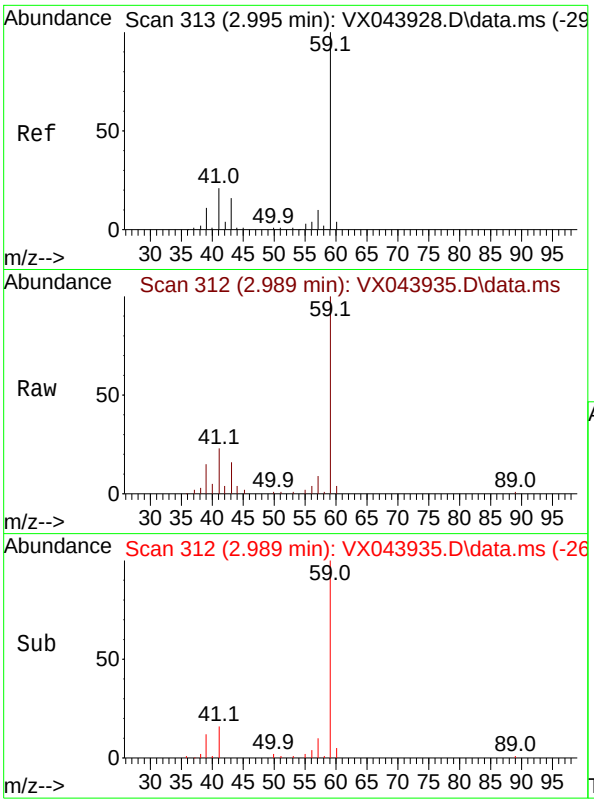




#10
Methyl Iodide
Concen: 18.646 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:142 Resp: 40203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.3 | 40.7 | 61.1 |
| 141 | 14.9 | 12.0 | 18.0 |



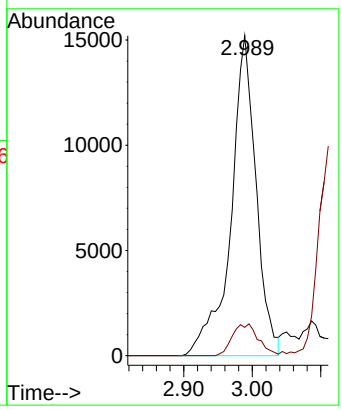


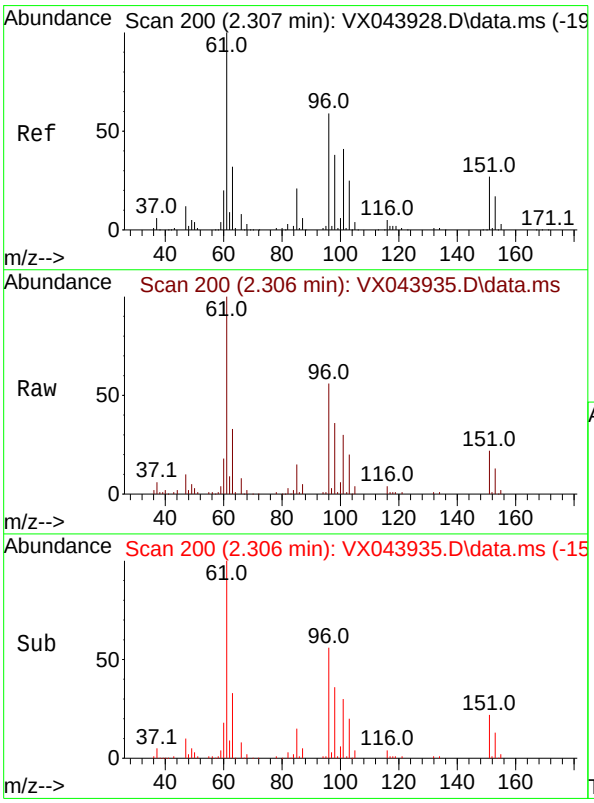

#11
Tert butyl alcohol
Concen: 98.988 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.007 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 59 Resp: 38906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

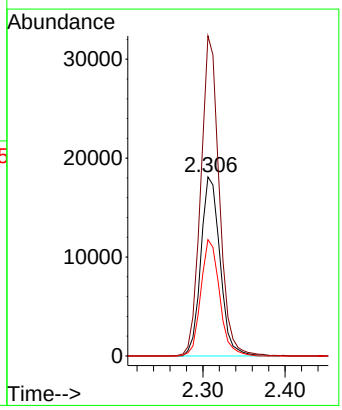


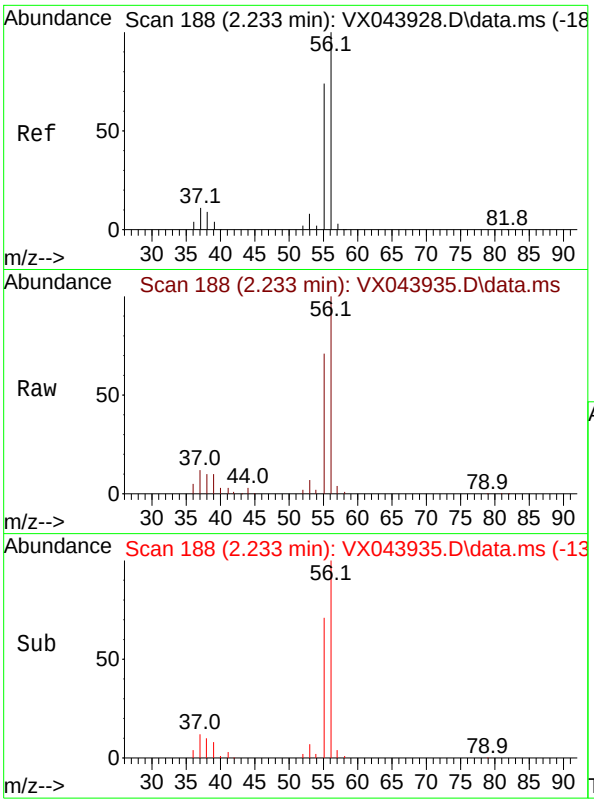




#12
1,1-Dichloroethene
Concen: 17.934 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 96 Resp: 29503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.5 | 135.5 | 203.3 |
| 98 | 64.9 | 50.8 | 76.2 |



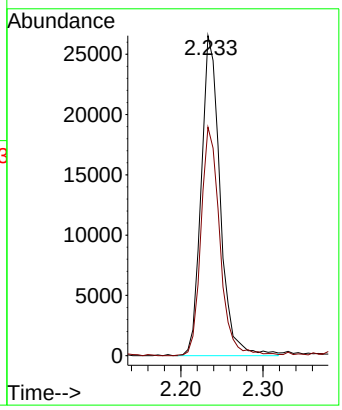


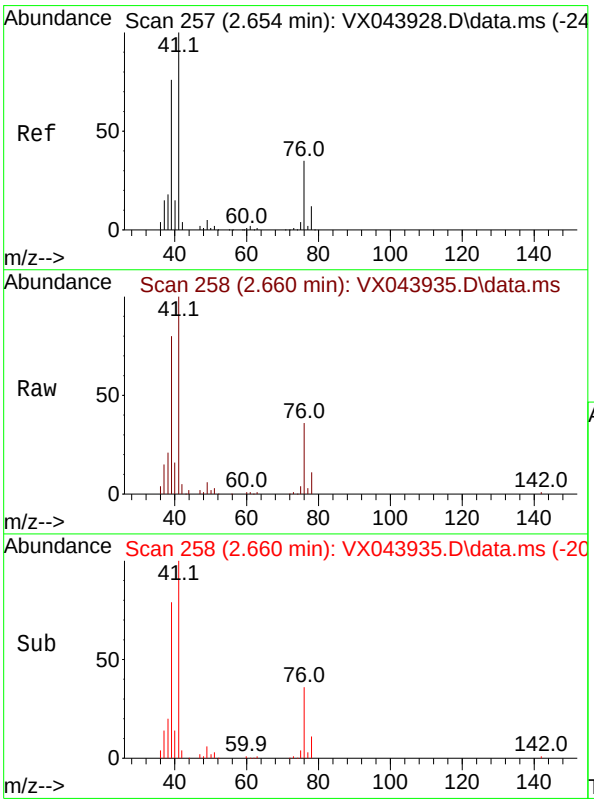

#13
Acrolein
Concen: 102.084 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 56 Resp: 42291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.6 | 58.2 | 87.2 |

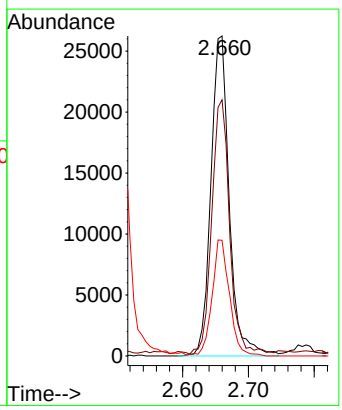


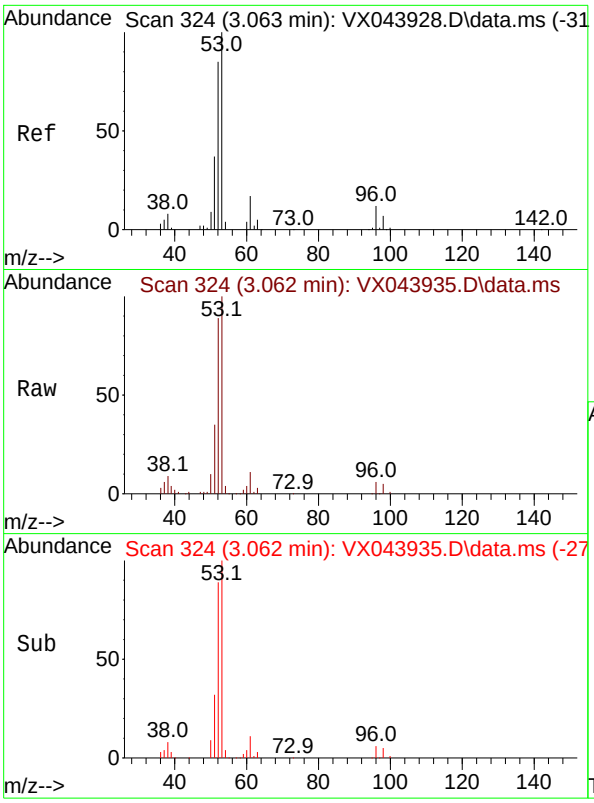




#14
Allyl chloride
Concen: 18.981 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 41 Resp: 51021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.3 | 27.4 | 41.2 |



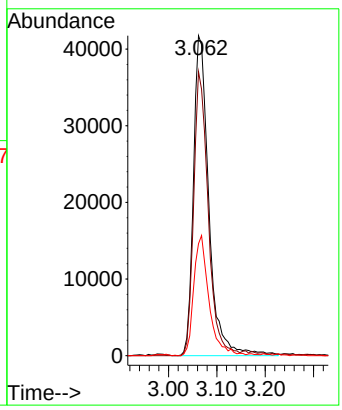


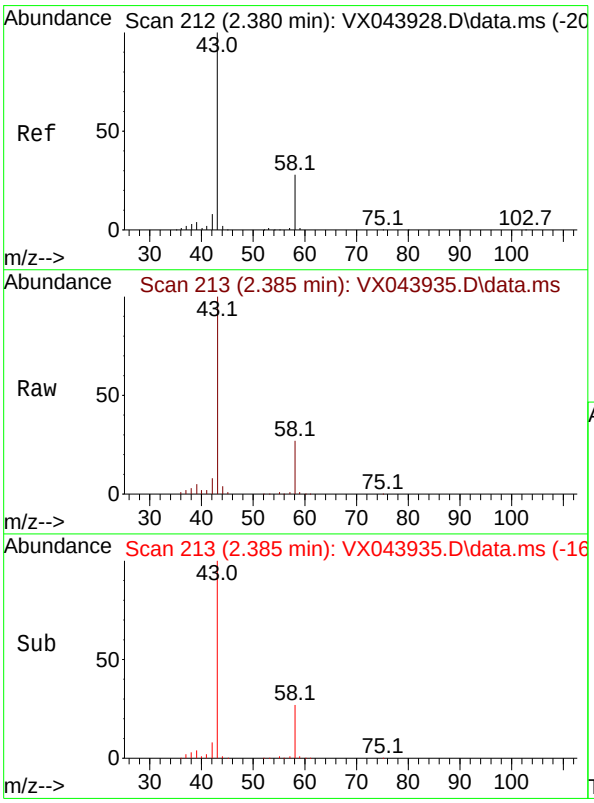

#15
Acrylonitrile
Concen: 96.638 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 53 Resp: 92560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.1 | 66.5 | 99.7 |
| 51 | 37.0 | 30.2 | 45.4 |

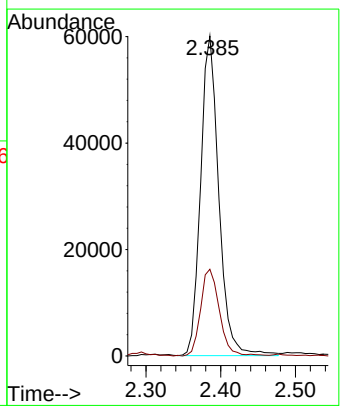


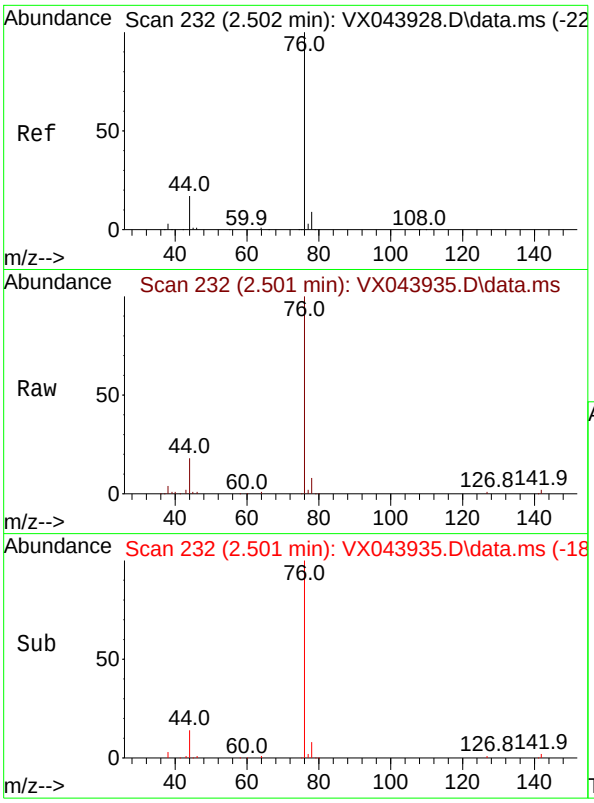




#16
Acetone
Concen: 90.565 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 101855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.9 | 22.7 | 34.1 |



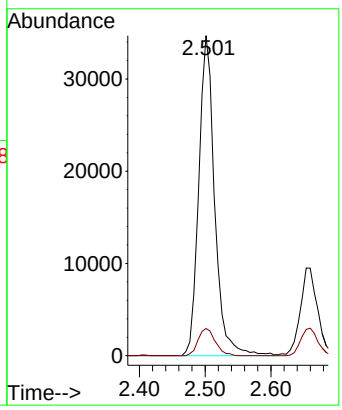


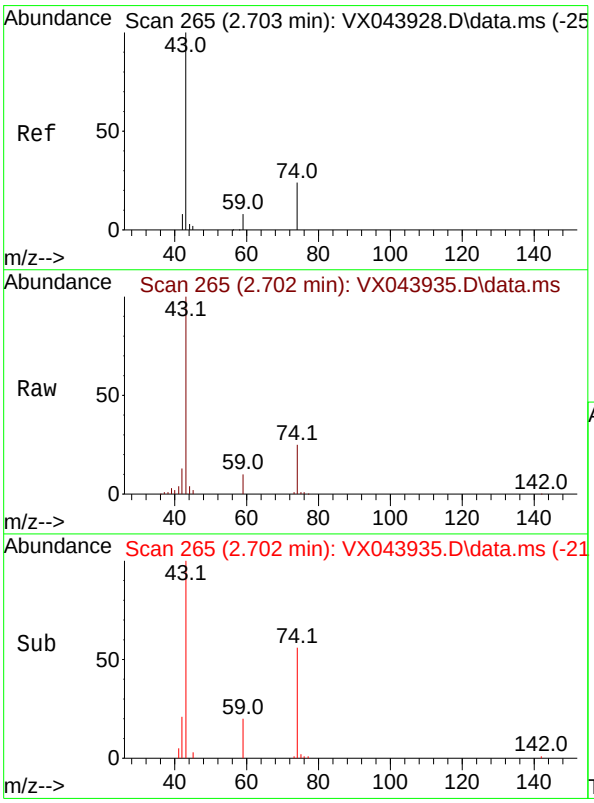

#17
Carbon Disulfide
Concen: 17.173 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 76 Resp: 58275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 7.0 | 10.6 |

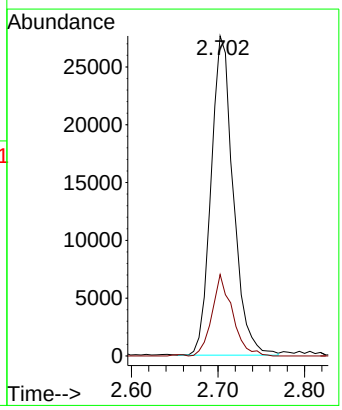


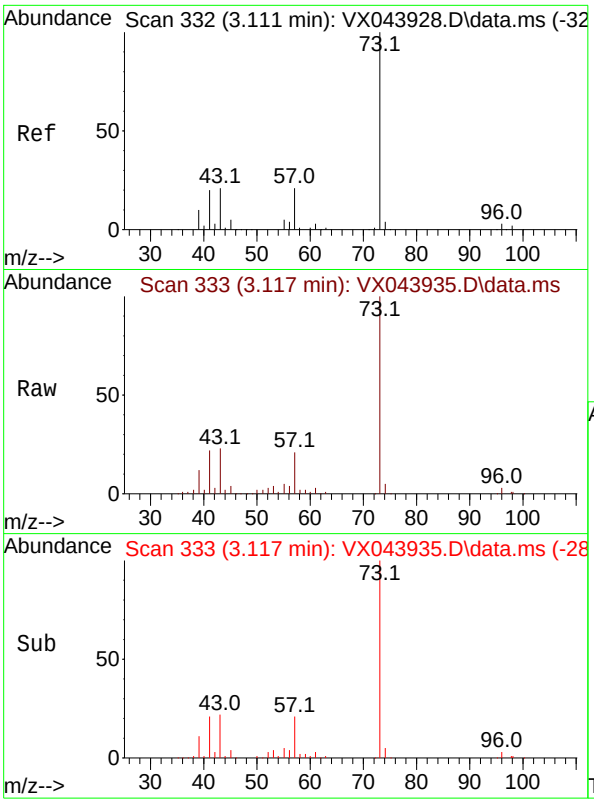




#18
Methyl Acetate
Concen: 18.791 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 49216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.6 | 18.9 | 28.3 |



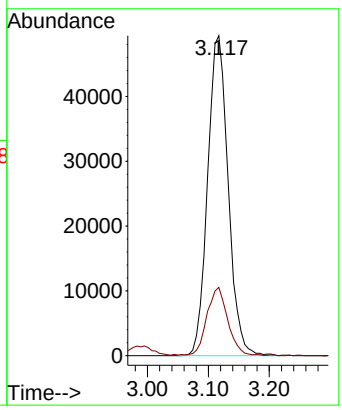


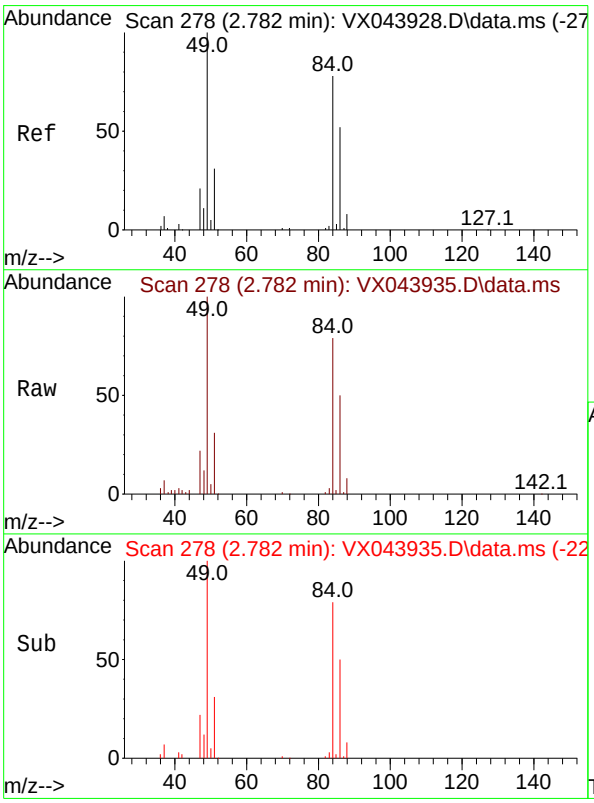

#19
Methyl tert-butyl Ether
Concen: 19.376 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 73 Resp: 115740

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.4 | 17.0 | 25.6 |

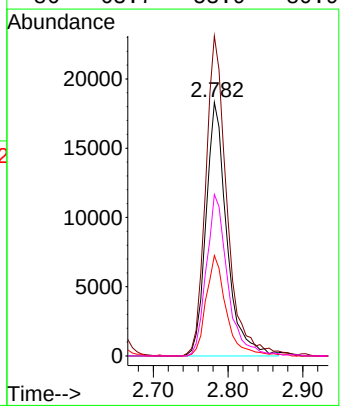


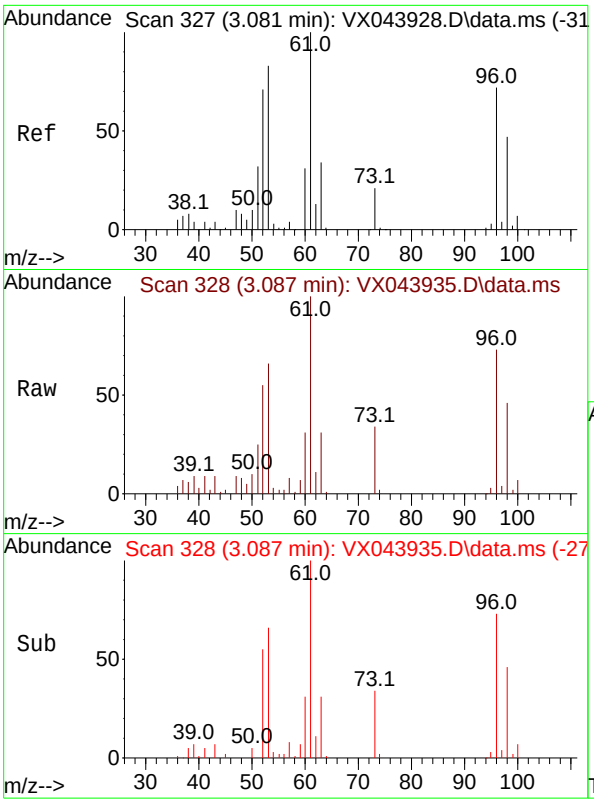




#20
Methylene Chloride
Concen: 18.572 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 84 Resp: 35446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 126.2 | 102.7 | 154.1 |
| 51 | 39.6 | 31.7 | 47.5 |
| 86 | 63.7 | 53.9 | 80.9 |



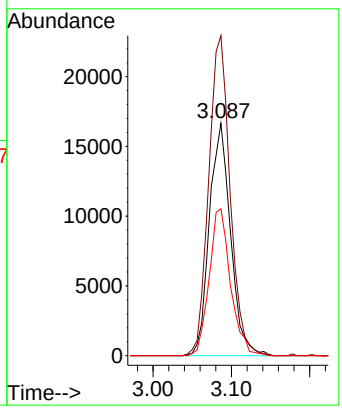


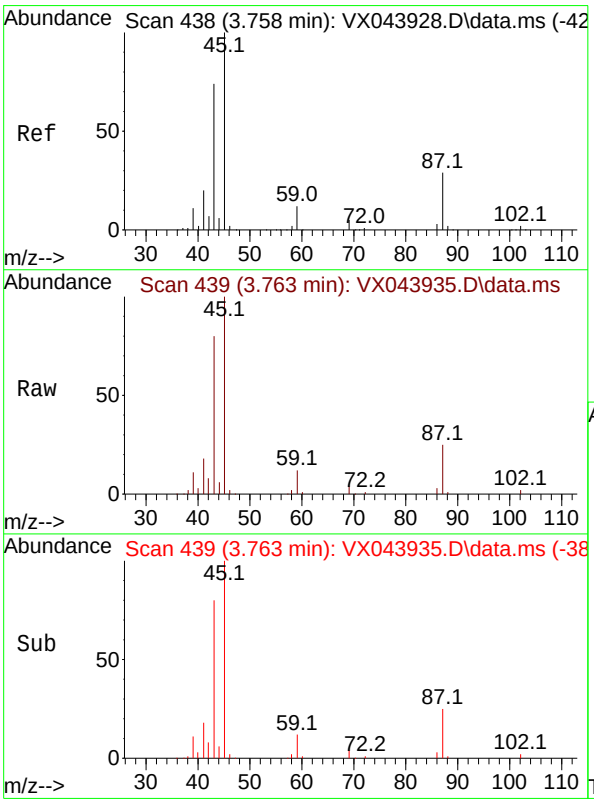

#21
trans-1,2-Dichloroethene
Concen: 18.471 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 96 Resp: 31372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.7 | 111.8 | 167.6 |
| 98 | 63.2 | 52.7 | 79.1 |

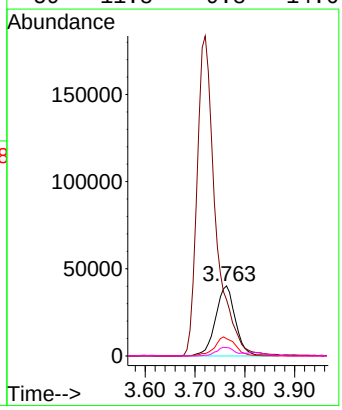


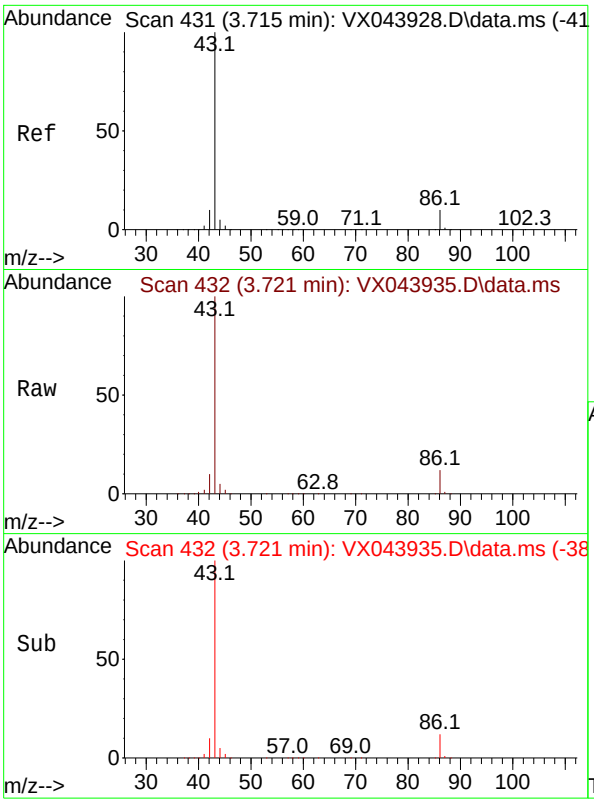




#22
Diisopropyl ether
Concen: 19.329 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 45 Resp: 111101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 80.4 | 59.6 | 89.4 |
| 87 | 24.5 | 22.9 | 34.3 |
| 59 | 11.8 | 9.8 | 14.6 |



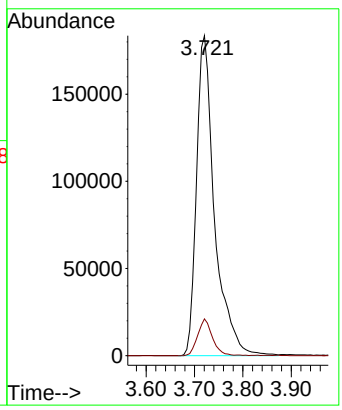


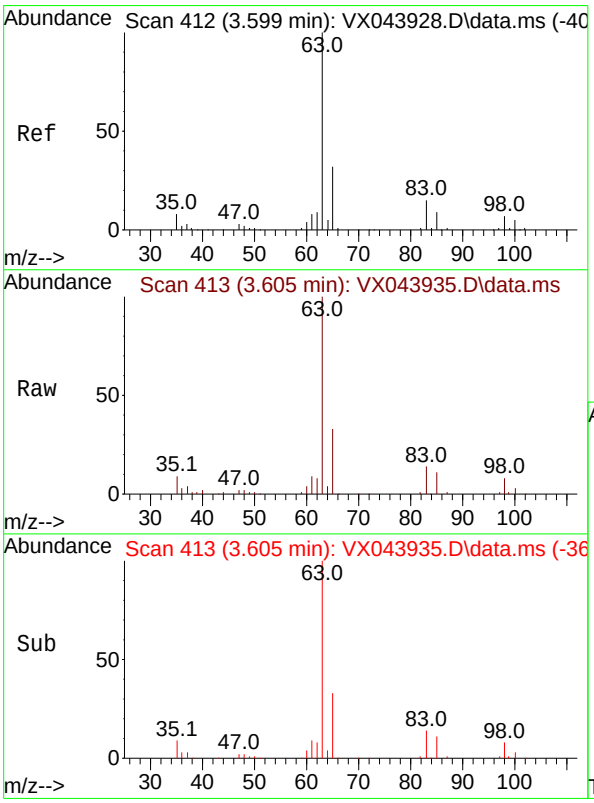

#23
Vinyl Acetate
Concen: 96.846 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 476192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.5 | 8.3 | 12.5 |

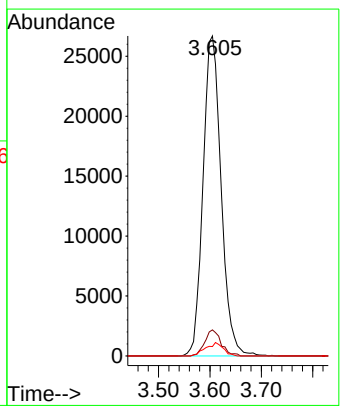


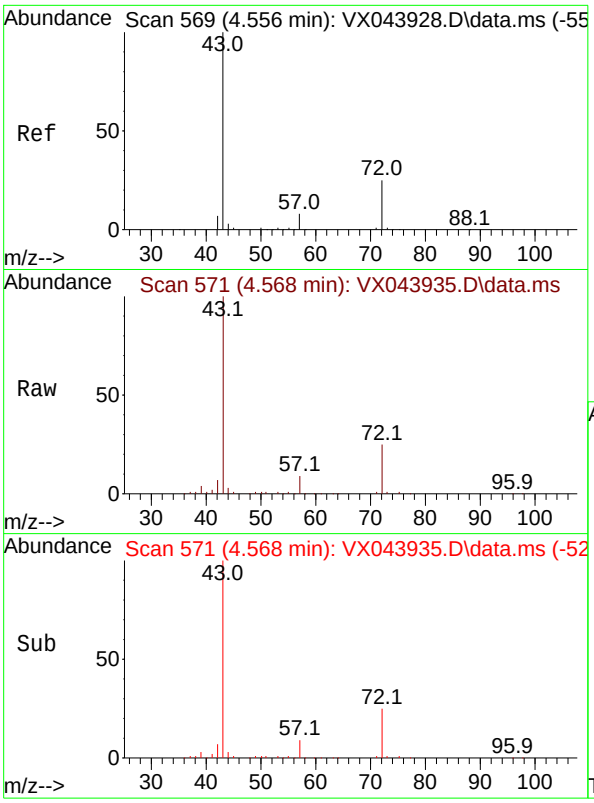




#24
1,1-Dichloroethane
Concen: 19.724 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 63 Resp: 65402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.5 | 10.6 |
| 100 | 3.0 | 2.4 | 7.1 |



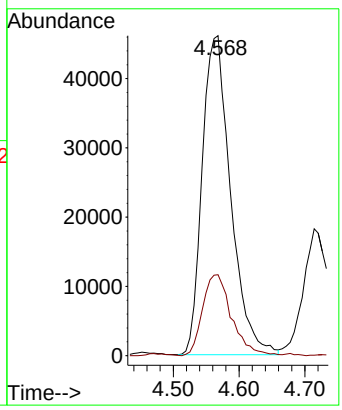


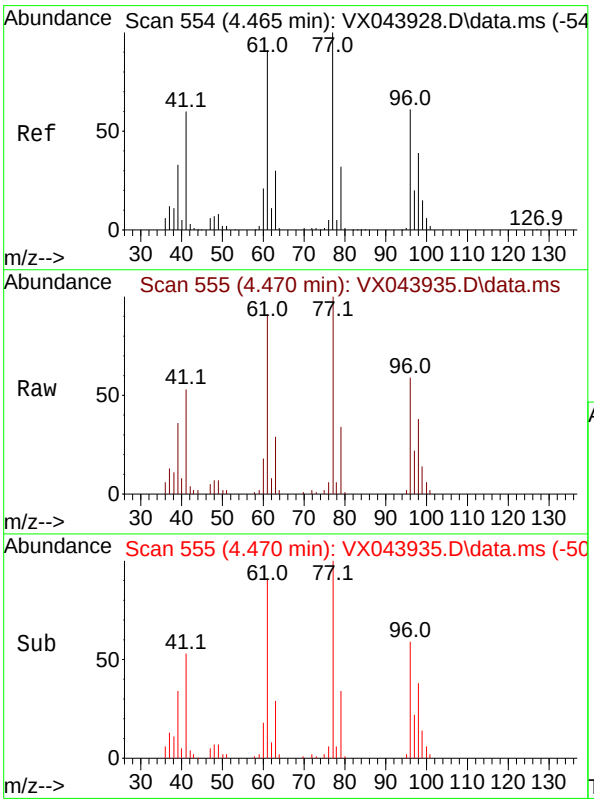

#25
2-Butanone
Concen: 95.552 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 138662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.2 |

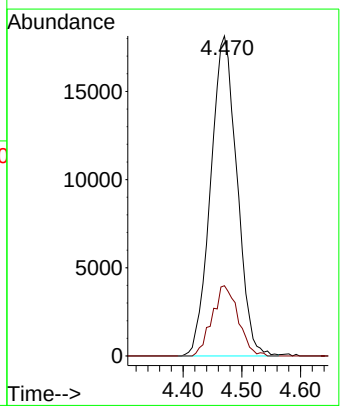


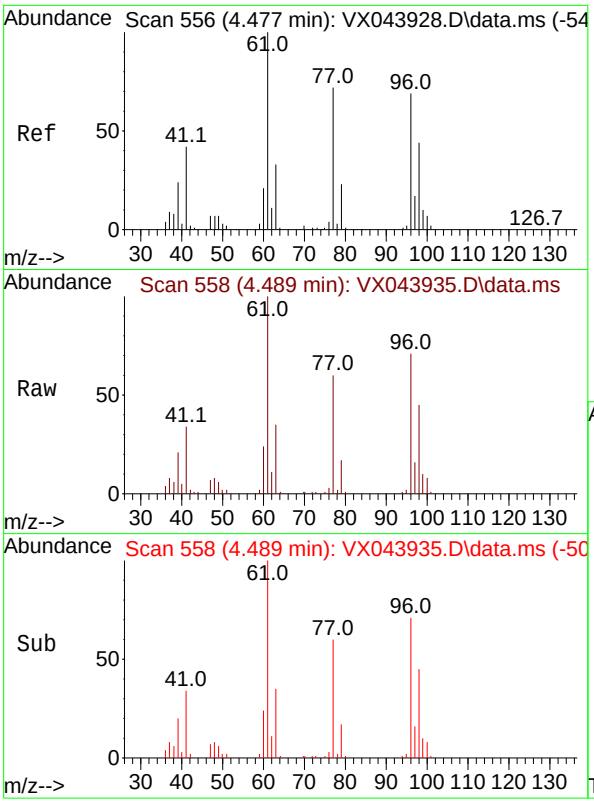




#26
2,2-Dichloropropane
Concen: 18.822 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 77 Resp: 56366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.8 | 32.3 |



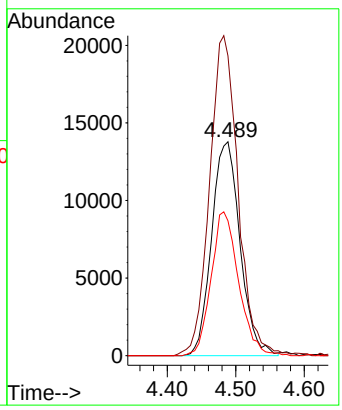


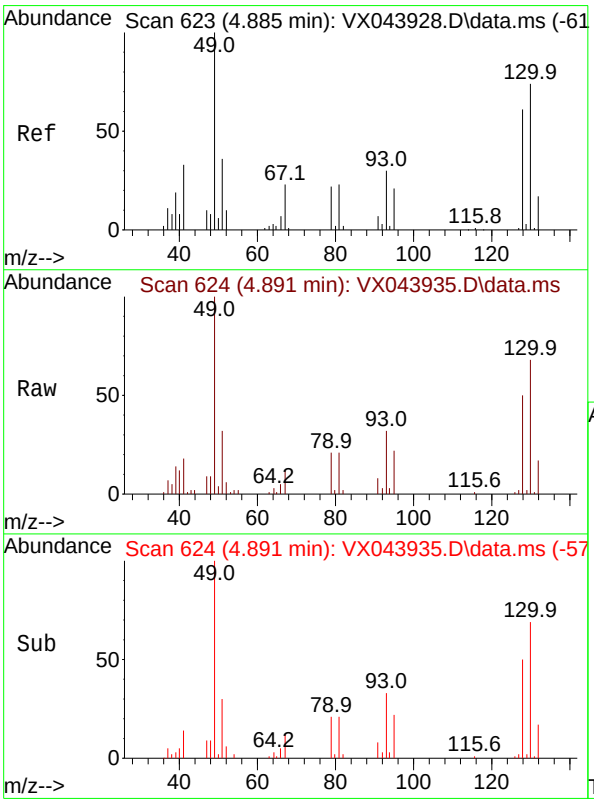

#27
cis-1,2-Dichloroethene
Concen: 18.914 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 96 Resp: 39708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 297.4 |
| 98 | 65.2 | 0.0 | 127.8 |

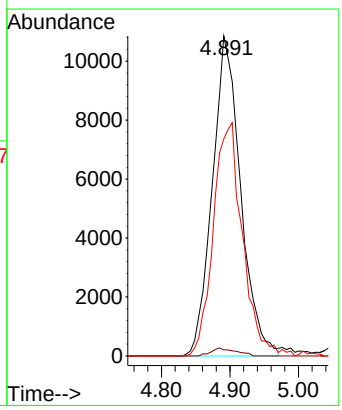


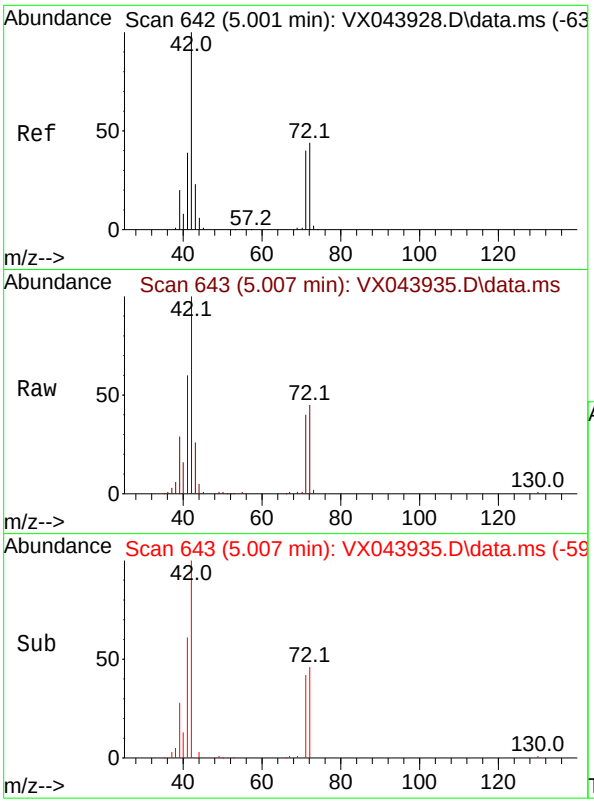




#28
Bromochloromethane
Concen: 21.312 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 49 Resp: 31107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 75.0 | 59.0 | 88.6 |



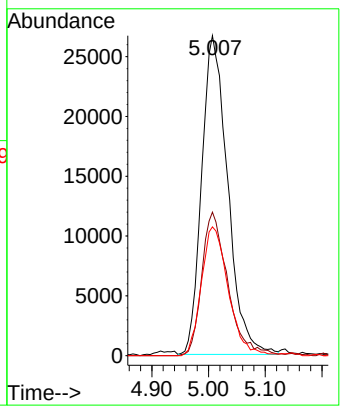


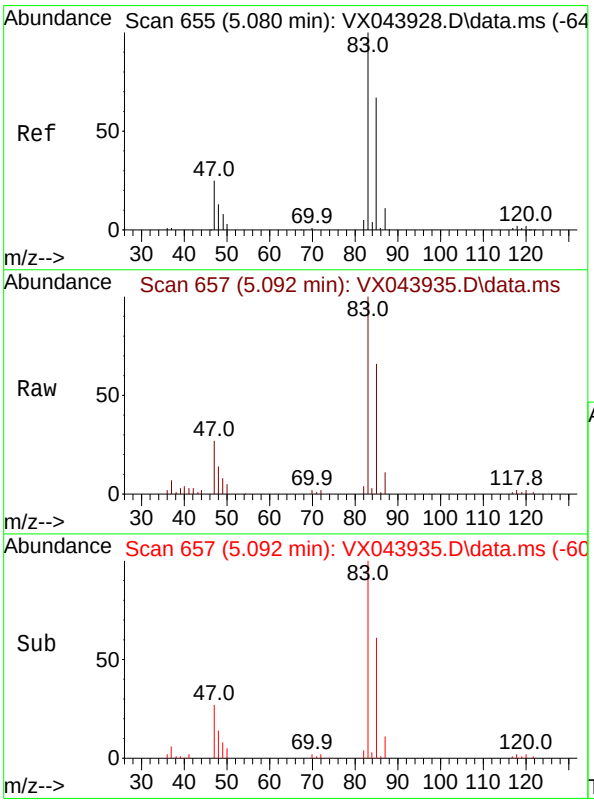

#29
Tetrahydrofuran
Concen: 95.518 ug/l
RT: 5.007 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 42 Resp: 84978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 45.0 | 36.4 | 54.6 |
| 71 | 41.8 | 33.4 | 50.0 |

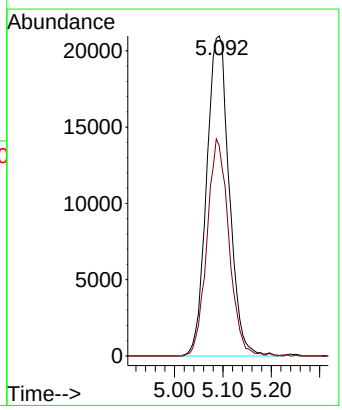


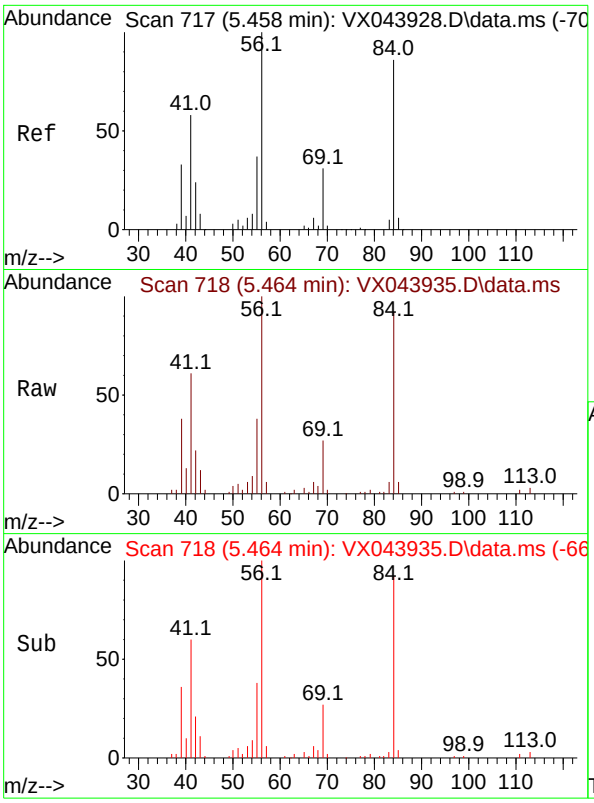




#30
Chloroform
Concen: 19.081 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 83 Resp: 68049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.8 | 53.5 | 80.3 |



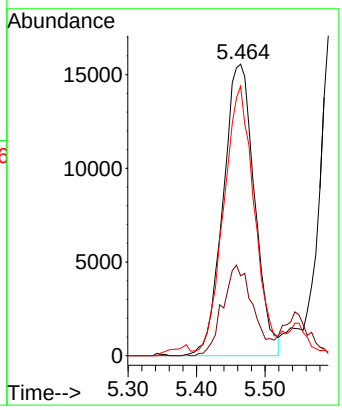


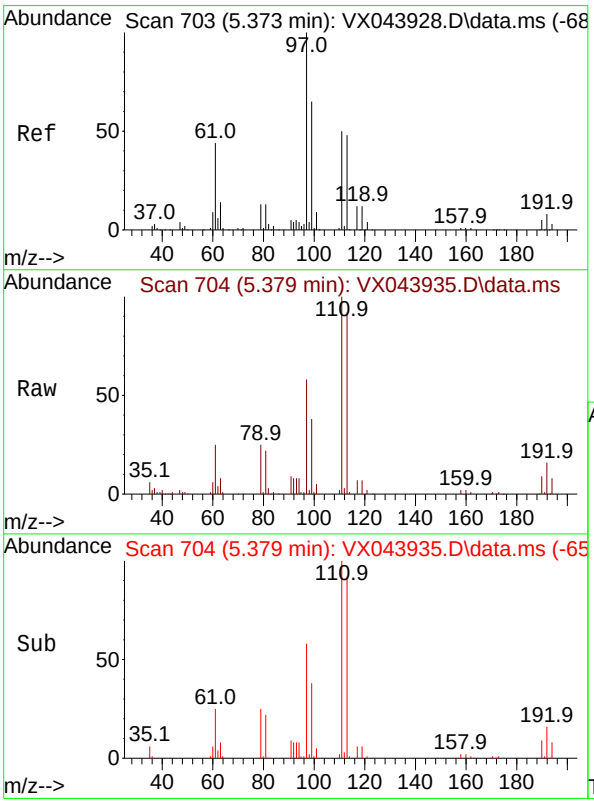

#31
Cyclohexane
Concen: 18.175 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 56 Resp: 49603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.4 | 24.7 | 37.1 |
| 84 | 90.2 | 68.7 | 103.1 |

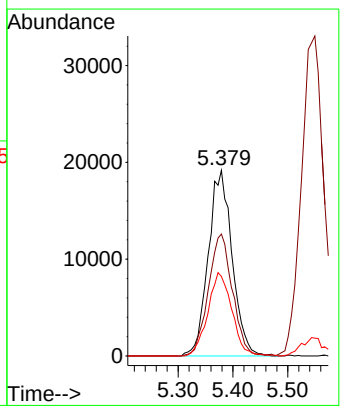


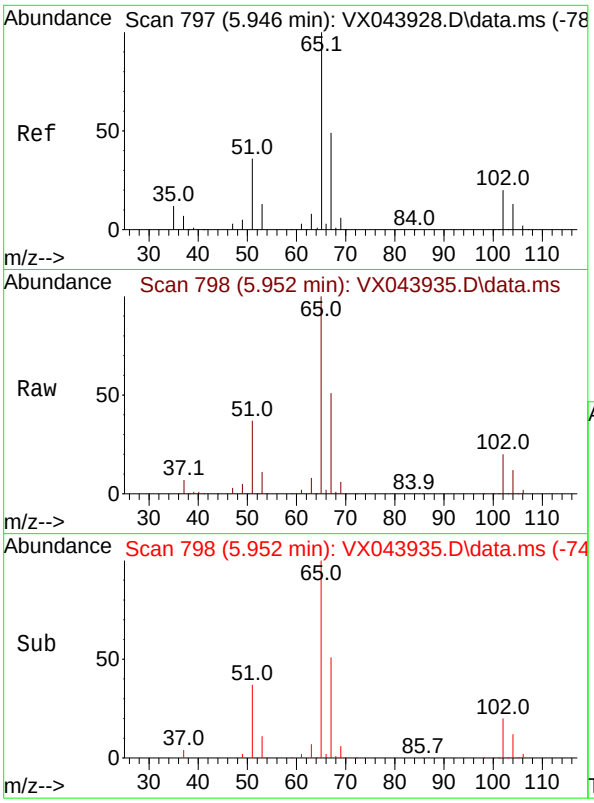




#32
1,1,1-Trichloroethane
Concen: 18.860 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 97 Resp: 58005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.0 | 50.8 | 76.2 |
| 61 | 45.2 | 35.4 | 53.2 |



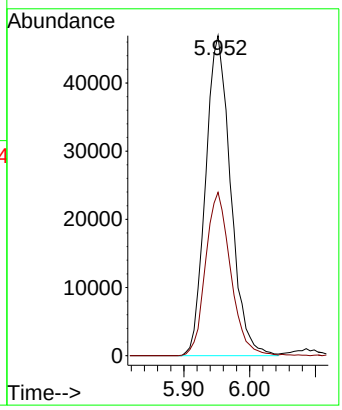


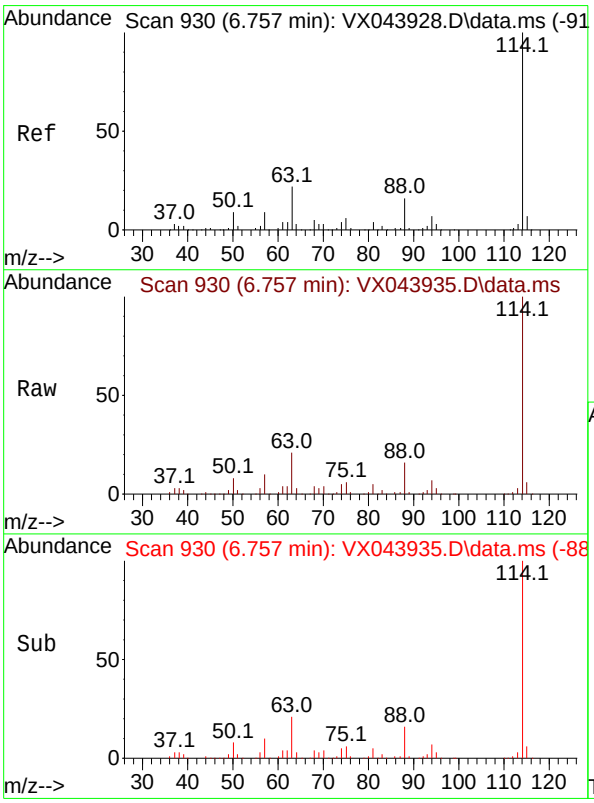

#33
1,2-Dichloroethane-d4
Concen: 50.752 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 65 Resp: 124276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 100.8 |

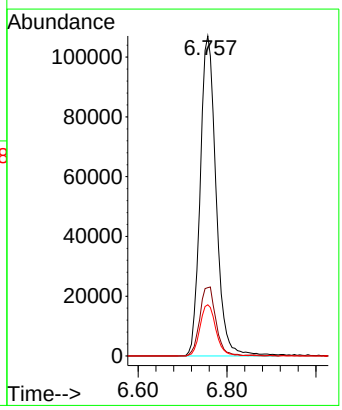


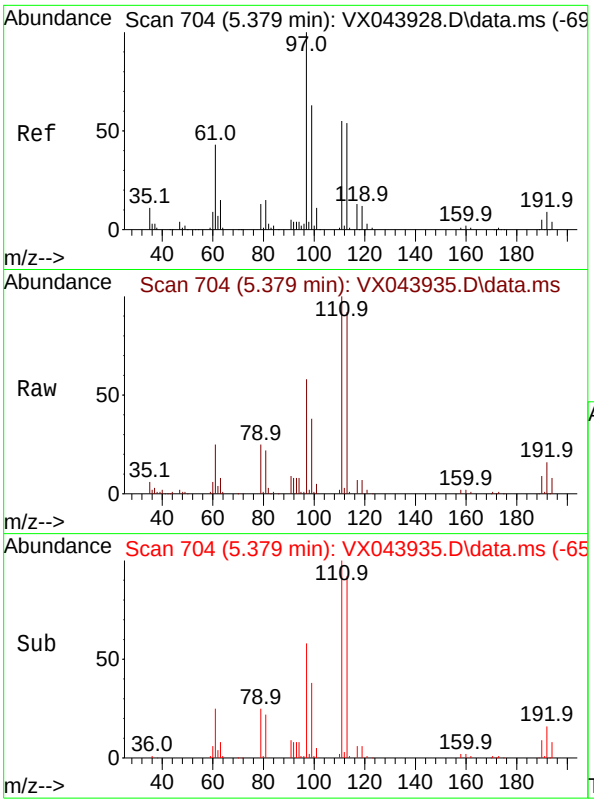




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:114 Resp: 267012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 16.0 | 0.0 | 32.4 |



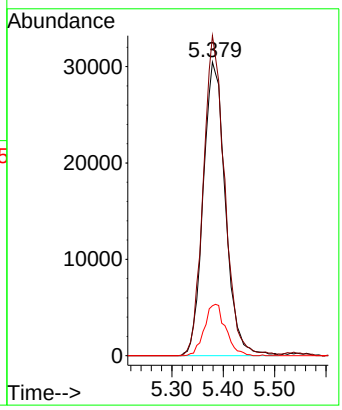


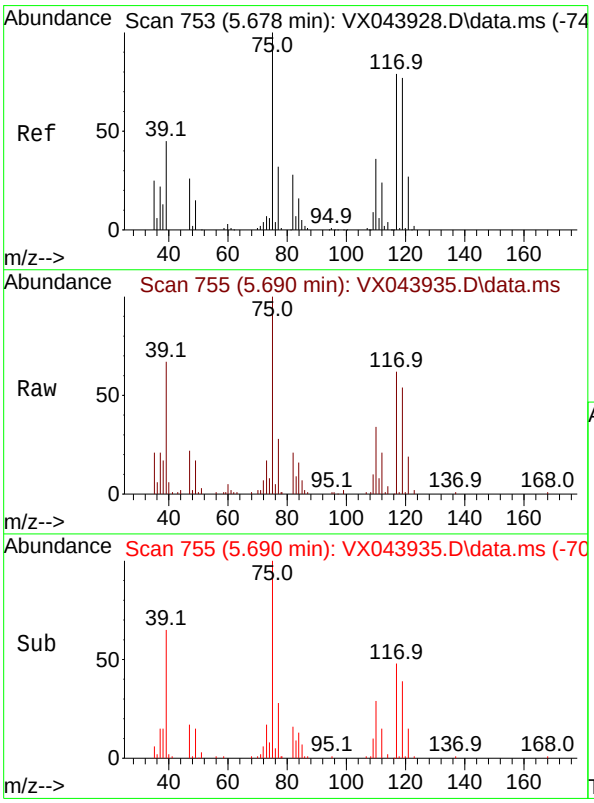

#35
Dibromofluoromethane
Concen: 47.779 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:113 Resp: 91160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.3 | 81.0 | 121.4 |
| 192 | 16.8 | 13.0 | 19.6 |

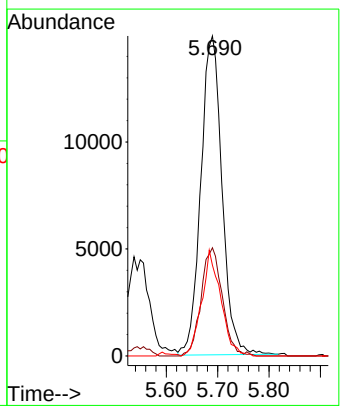


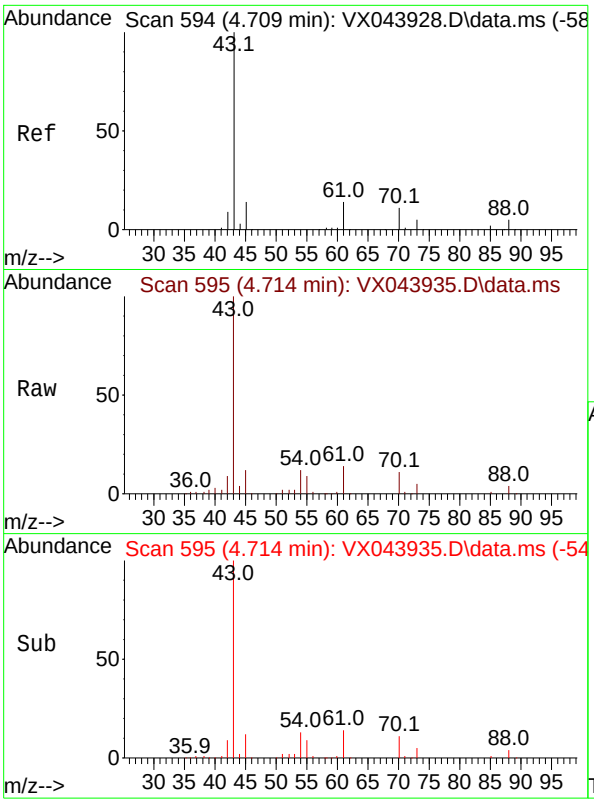




#36
1,1-Dichloropropene
Concen: 17.976 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 42738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 17.4 | 52.2 |
| 77 | 29.9 | 25.8 | 38.8 |



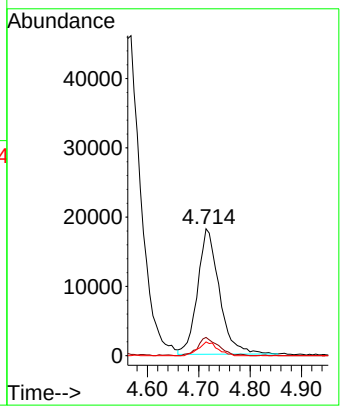


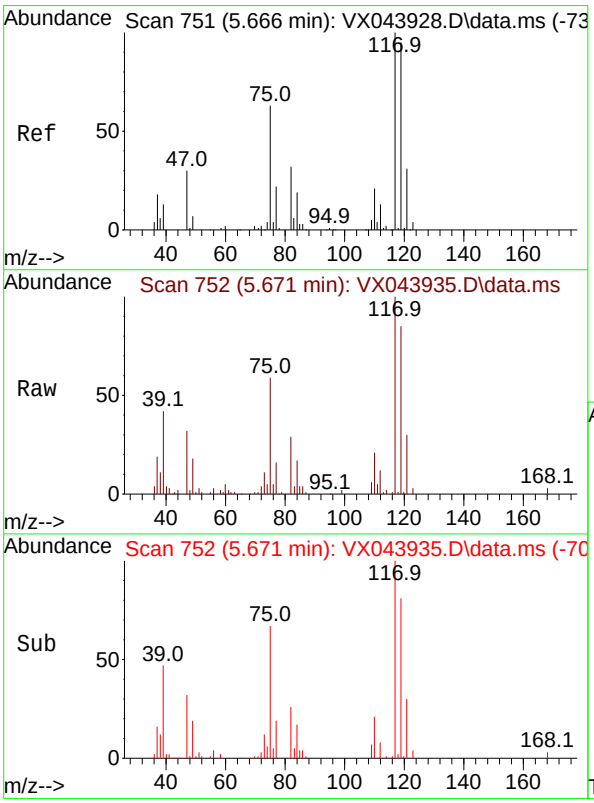

#37
Ethyl Acetate
Concen: 18.061 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 53303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.5 | 10.7 | 16.1 |
| 70 | 9.6 | 8.0 | 12.0 |

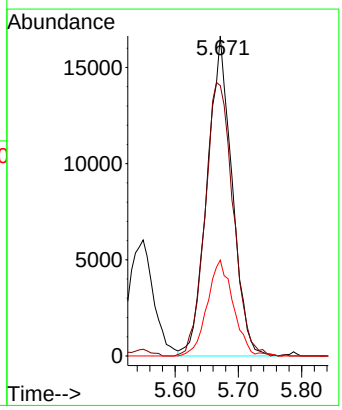


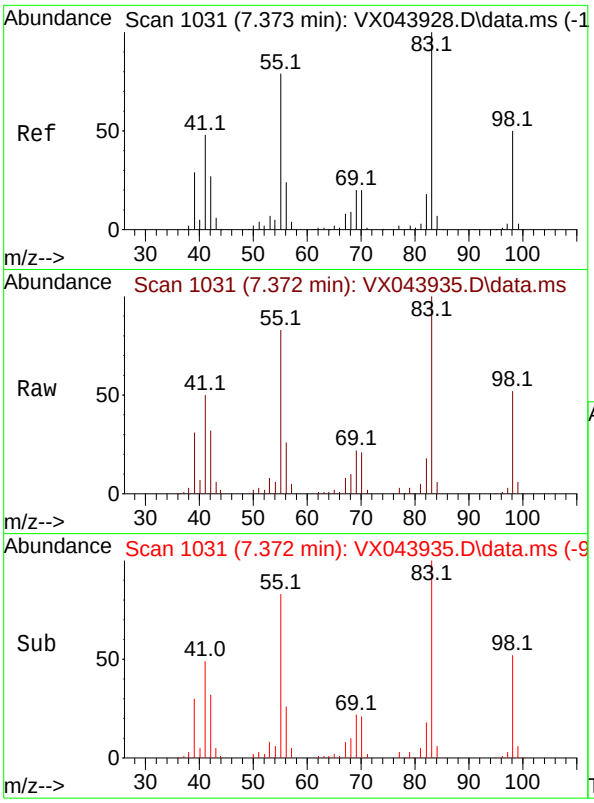




#38
Carbon Tetrachloride
Concen: 17.041 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:117 Resp: 45524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 84.5 | 75.2 | 112.8 |
| 121 | 29.9 | 24.5 | 36.7 |



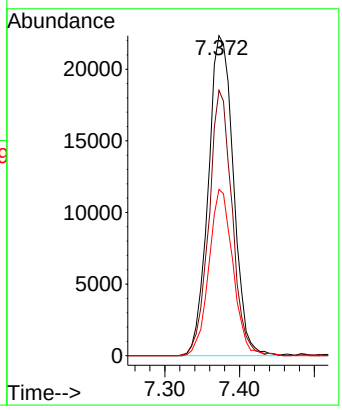


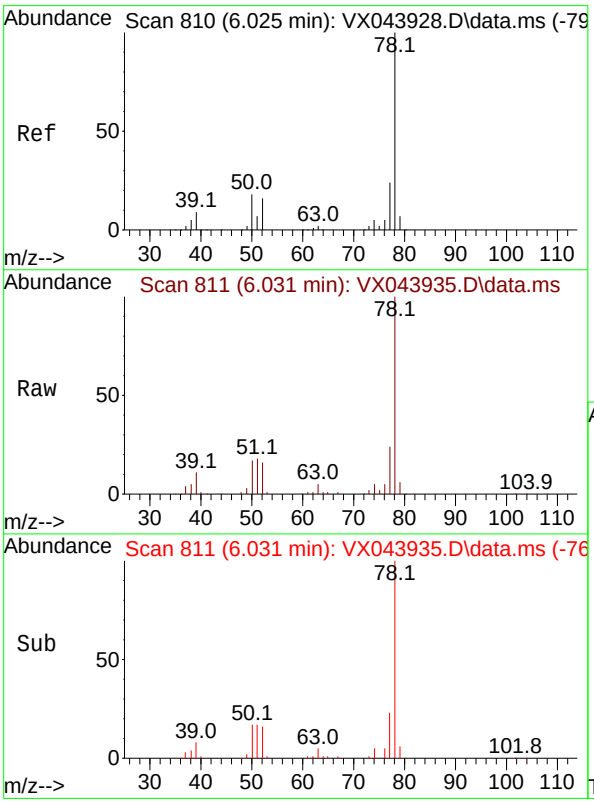

#39
Methylcyclohexane
Concen: 16.945 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 83 Resp: 52337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.9 | 63.1 | 94.7 |
| 98 | 52.0 | 40.0 | 60.0 |

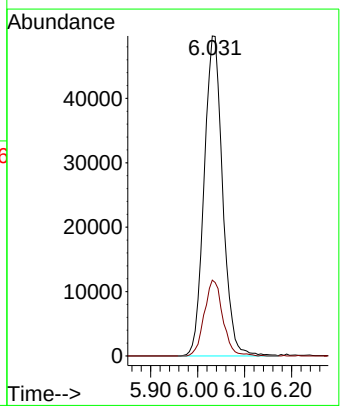


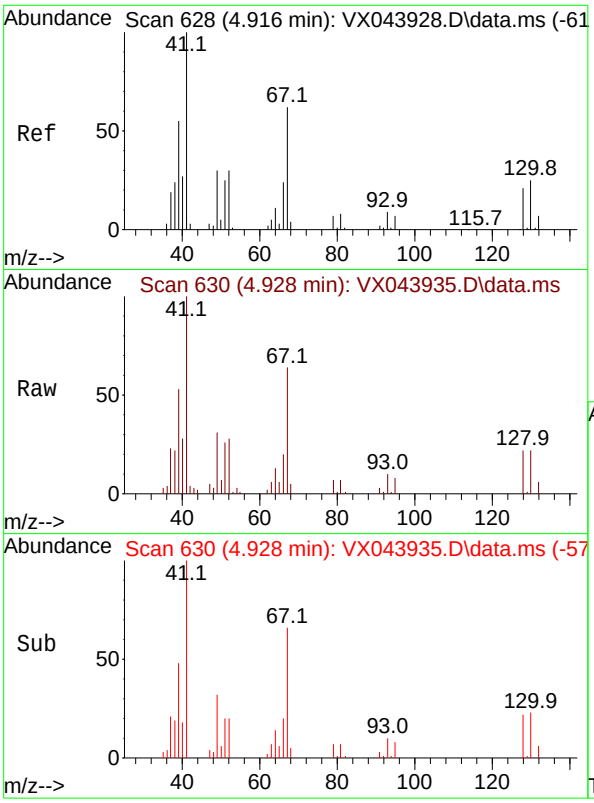




#40
Benzene
Concen: 18.354 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 78 Resp: 135924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |



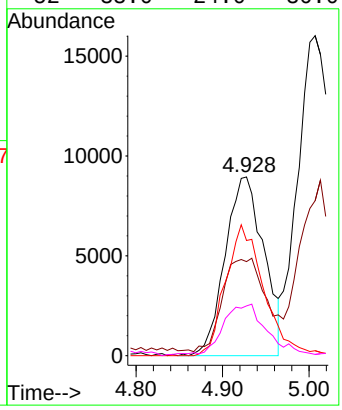


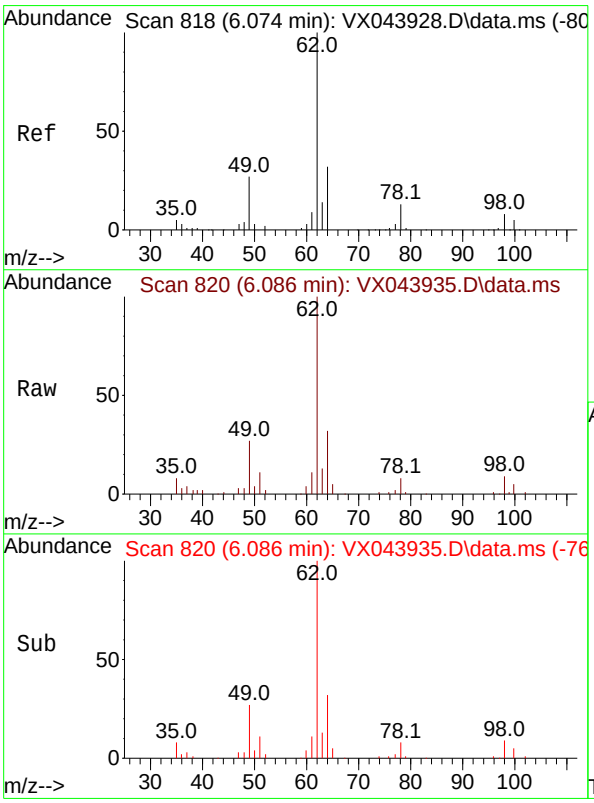

#41
Methacrylonitrile
Concen: 18.448 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 41 Resp: 27866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.0 | 41.7 | 62.5 |
| 67 | 72.8 | 55.8 | 83.8 |
| 52 | 33.0 | 24.0 | 36.0 |

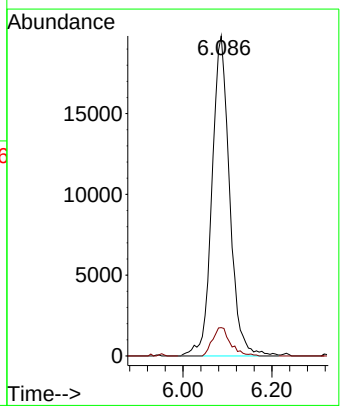


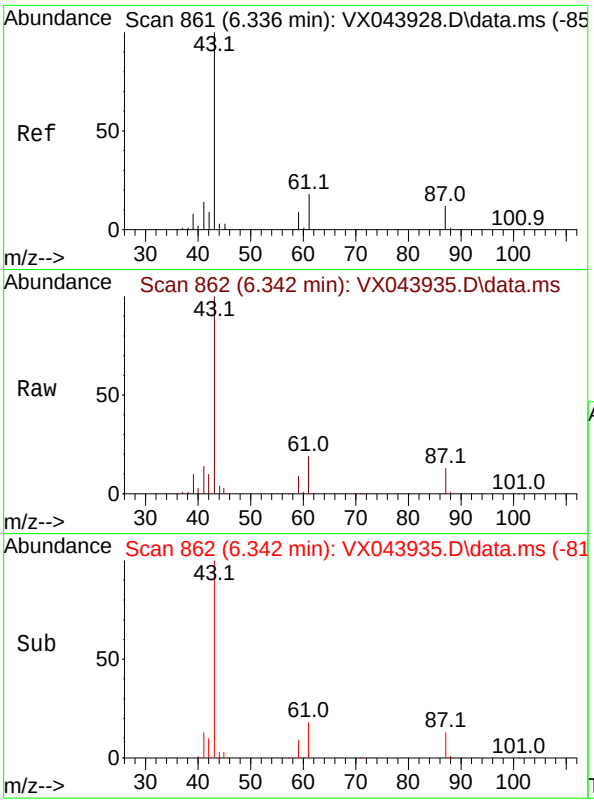




#42
1,2-Dichloroethane
Concen: 18.367 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 62 Resp: 54631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 16.4 |



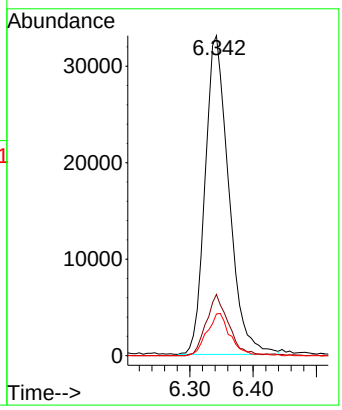


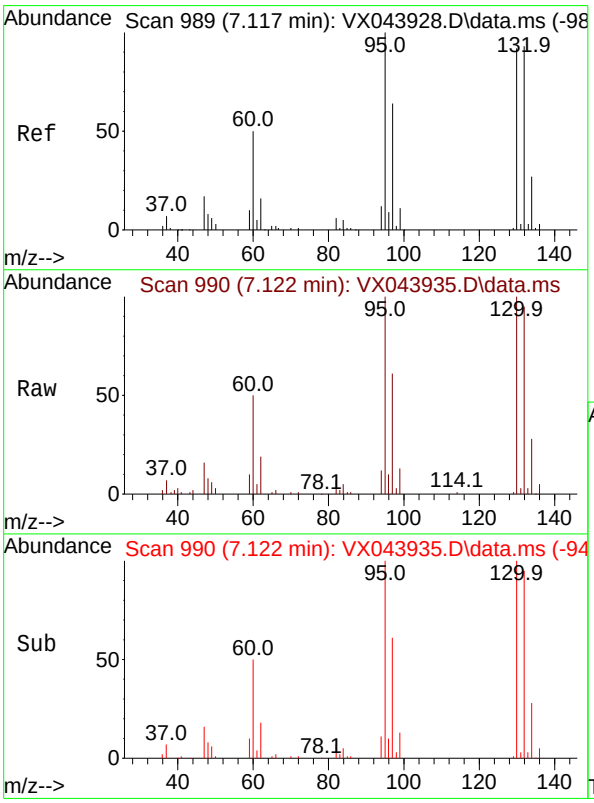

#43
Isopropyl Acetate
Concen: 18.335 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 86117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 12.8 | 10.2 | 15.2 |

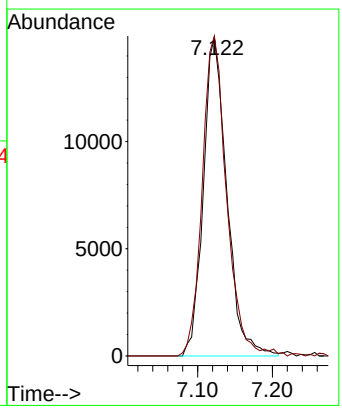


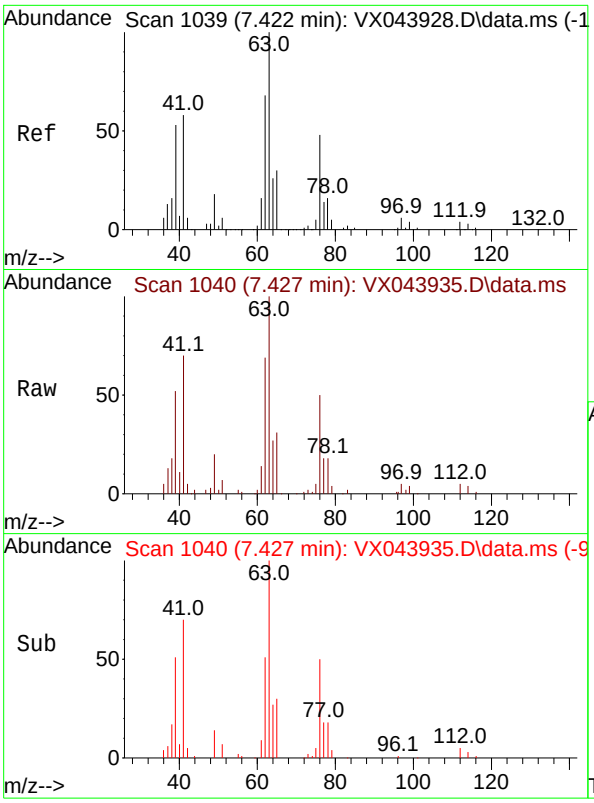




#44
Trichloroethene
Concen: 15.527 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:130 Resp: 32553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 217.8 |



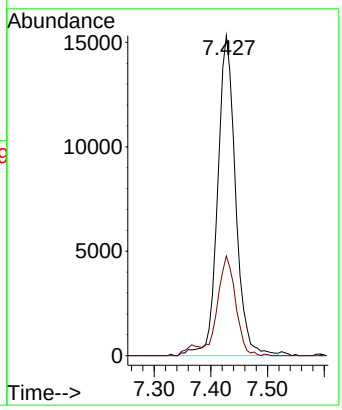


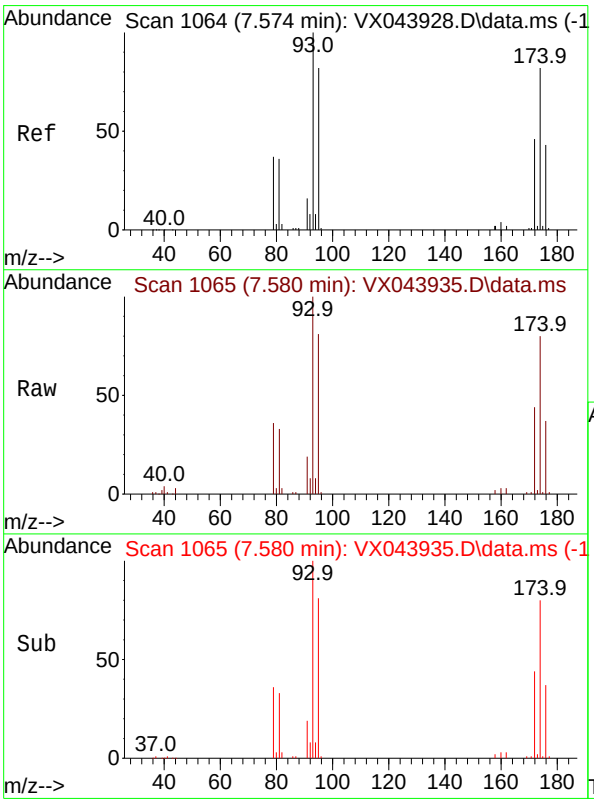

#45
1,2-Dichloropropane
Concen: 18.597 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 63 Resp: 33732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.1 | 23.8 | 35.6 |

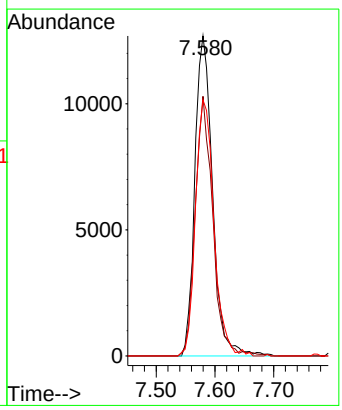


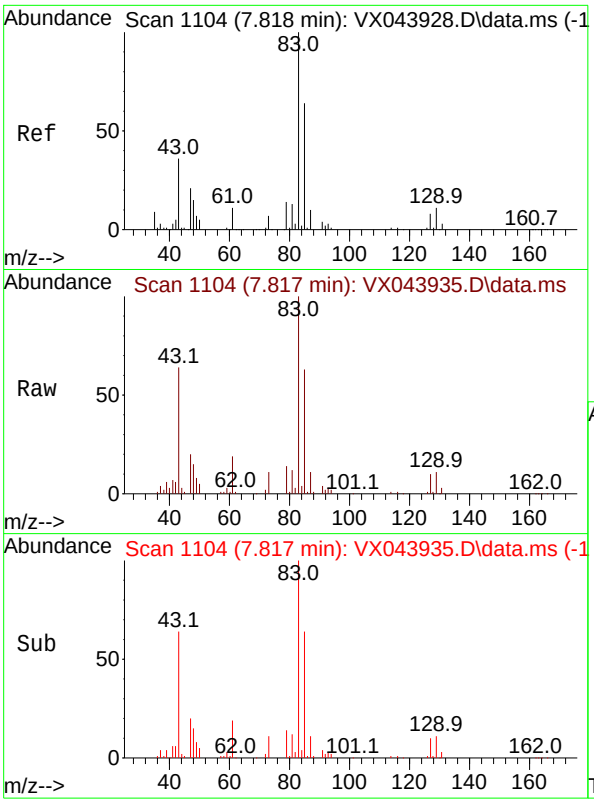




#46
Dibromomethane
Concen: 18.518 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 93 Resp: 26570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.1 | 66.2 | 99.4 |
| 174 | 82.6 | 69.6 | 104.4 |



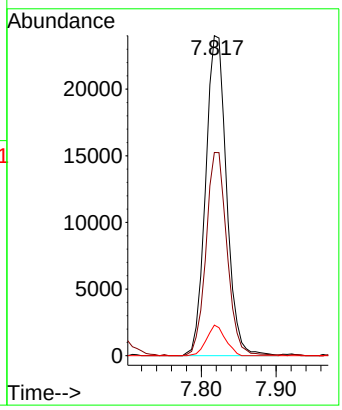


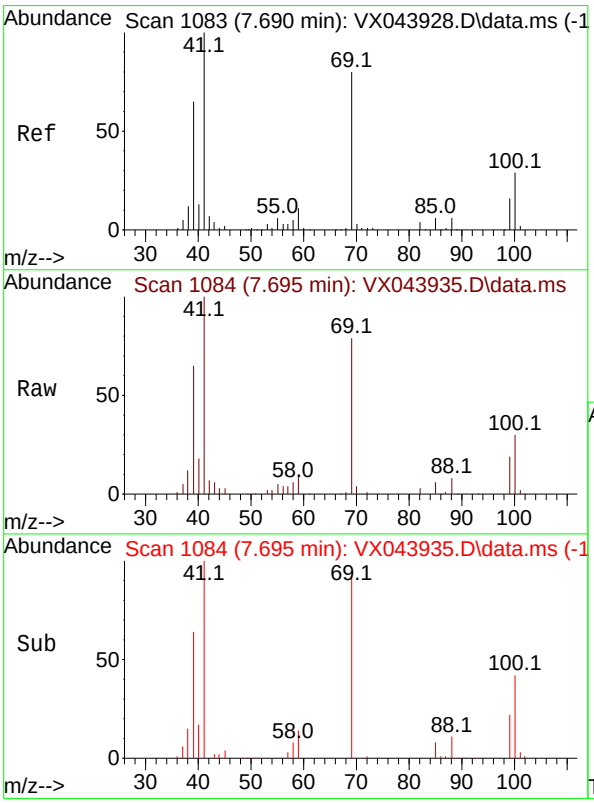

#47
Bromodichloromethane
Concen: 18.099 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 83 Resp: 46576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 51.4 | 77.0 |
| 127 | 9.6 | 6.6 | 10.0 |

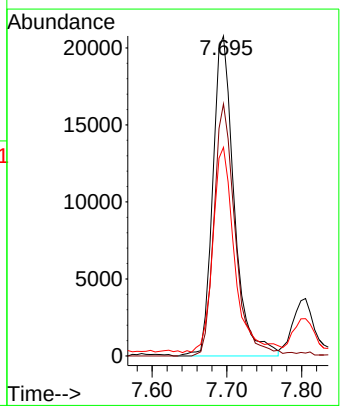


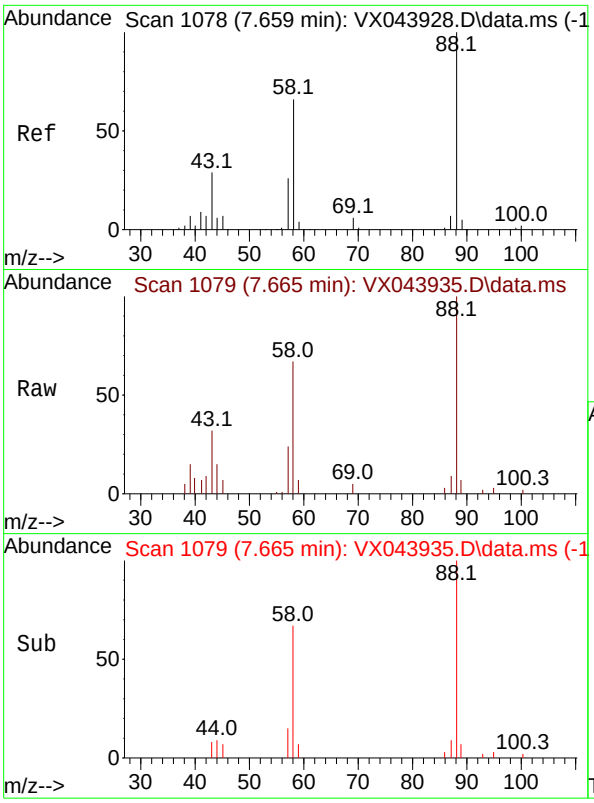




#48
Methyl methacrylate
Concen: 18.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 41 Resp: 41342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.2 | 64.6 | 97.0 |
| 39 | 65.4 | 53.3 | 79.9 |



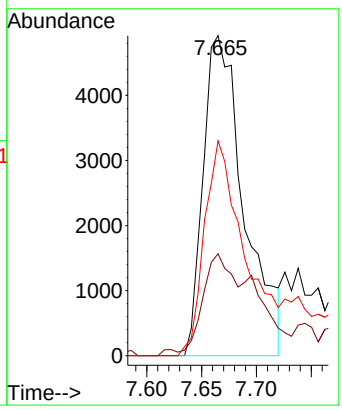


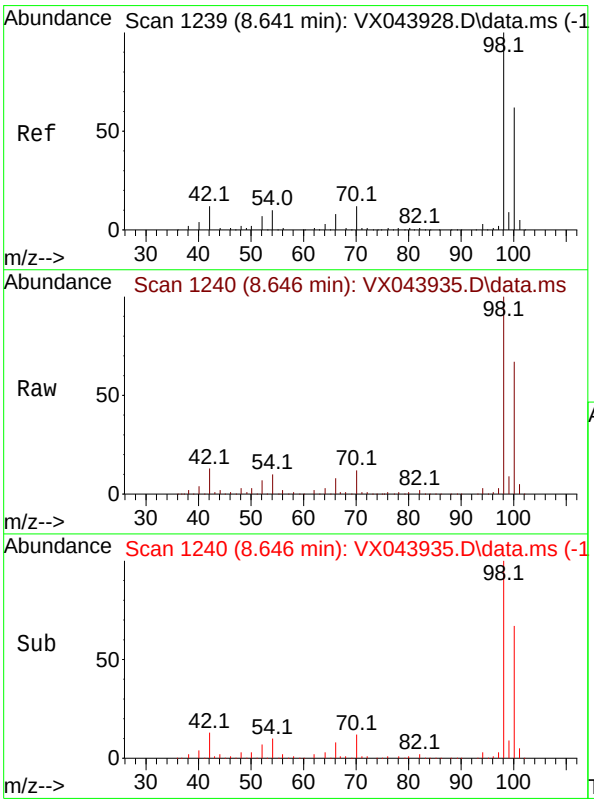

#49
1,4-Dioxane
Concen: 318.568 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 88 Resp: 12789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.4 | 26.8 | 40.2# |
| 58 | 66.5 | 45.4 | 68.2 |

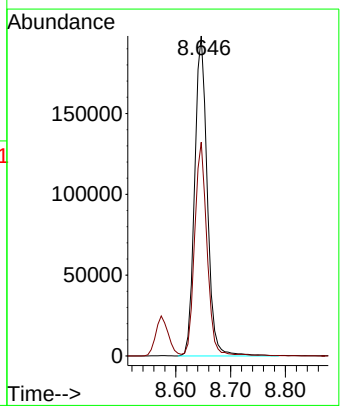


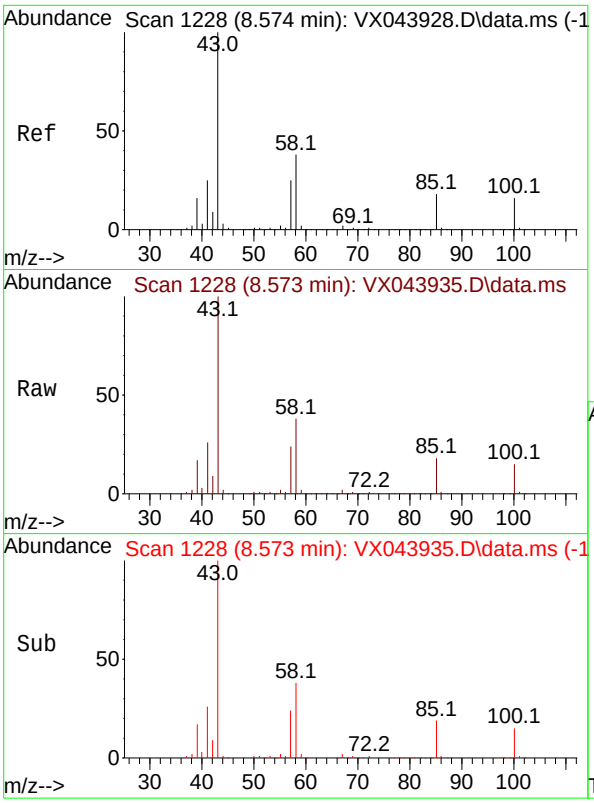




#50
Toluene-d8
Concen: 48.341 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 98 Resp: 317933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.8 | 52.6 | 79.0 |



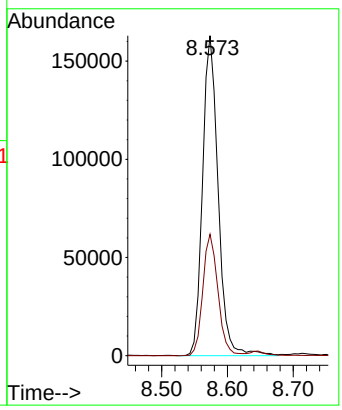


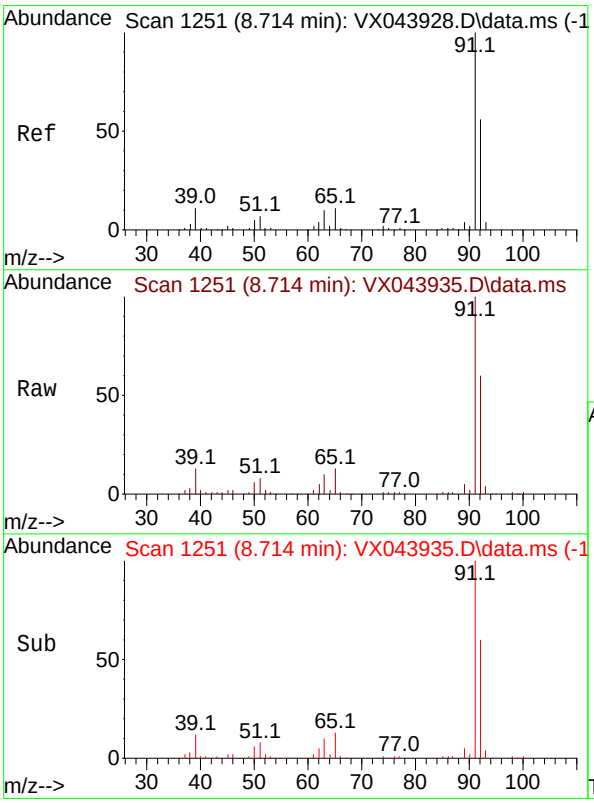

#51
4-Methyl-2-Pentanone
Concen: 93.903 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 269146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |

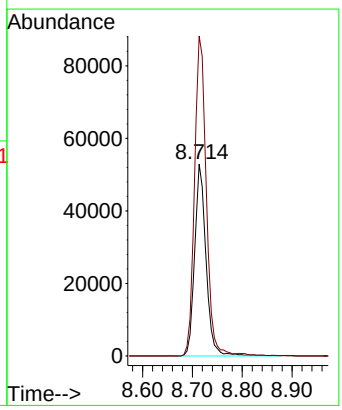


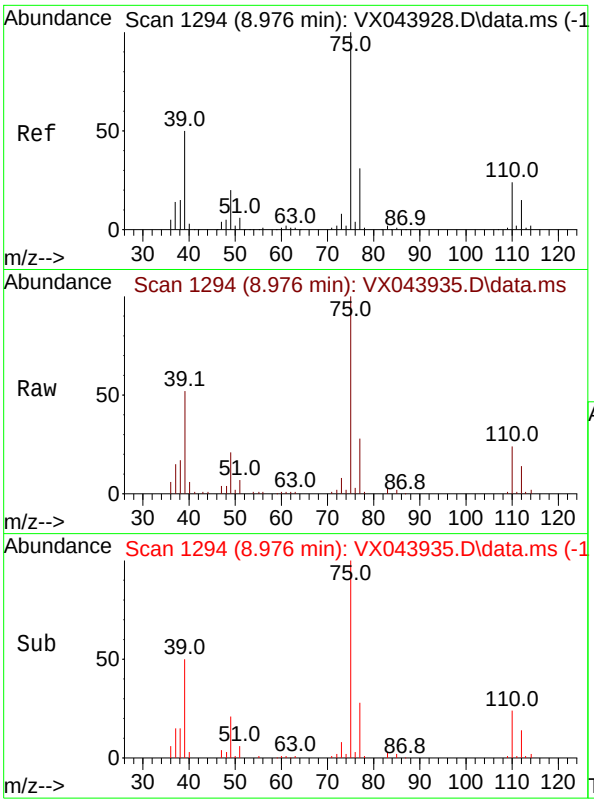




#52
Toluene
Concen: 18.934 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 92 Resp: 83929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.3 | 139.7 | 209.5 |



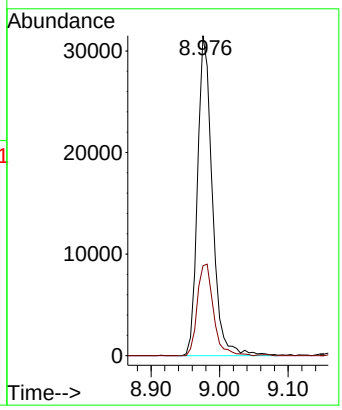


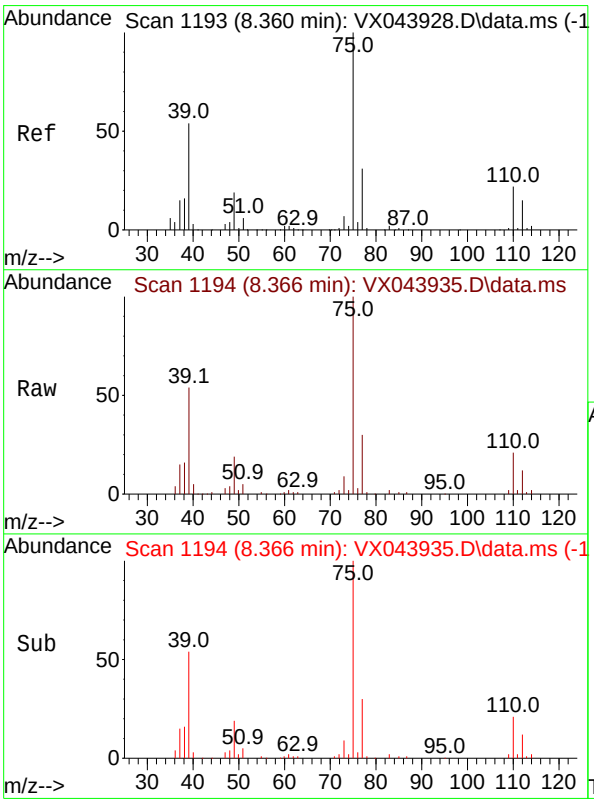

#53
t-1,3-Dichloropropene
Concen: 18.054 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 75 Resp: 47377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 28.1 | 25.1 | 37.7 |

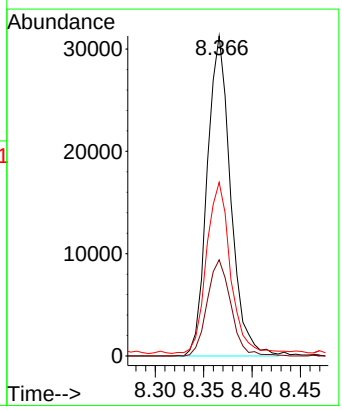


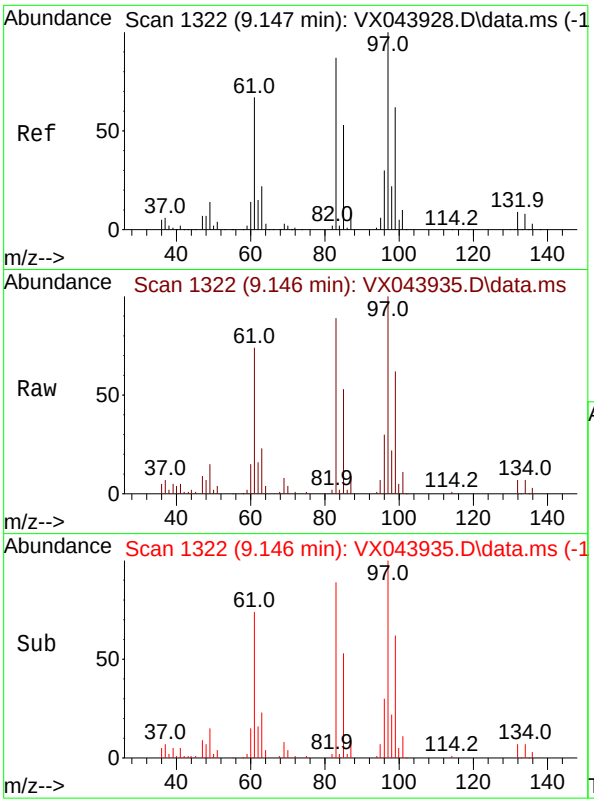




#54
cis-1,3-Dichloropropene
Concen: 18.337 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 52751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.9 | 25.2 | 37.8 |
| 39 | 53.2 | 43.1 | 64.7 |



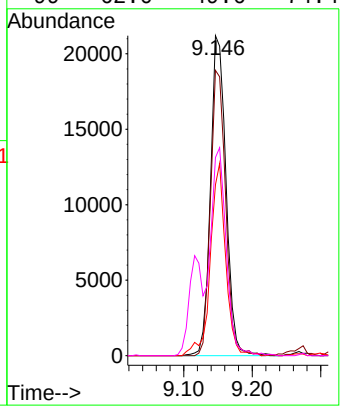


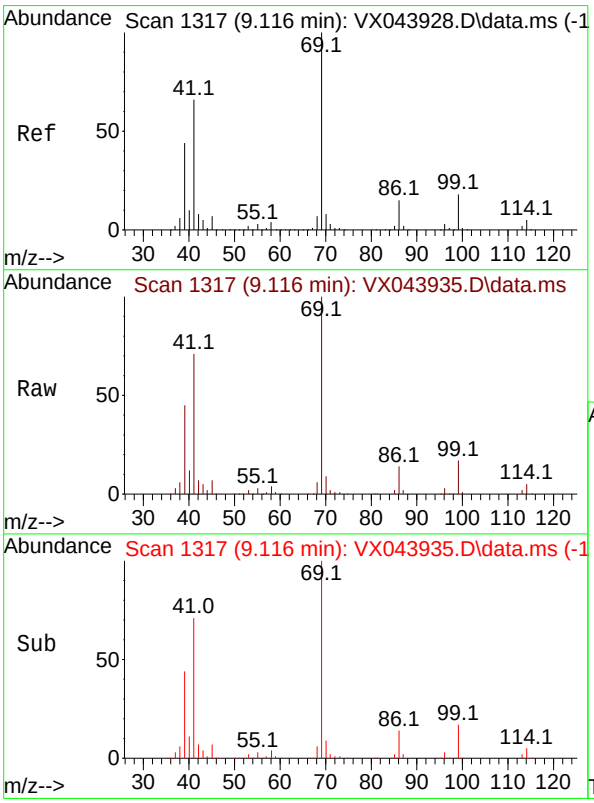

#55
1,1,2-Trichloroethane
Concen: 18.237 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 97 Resp: 33370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 89.1 | 69.4 | 104.0 |
| 85 | 53.5 | 42.3 | 63.5 |
| 99 | 62.0 | 49.6 | 74.4 |

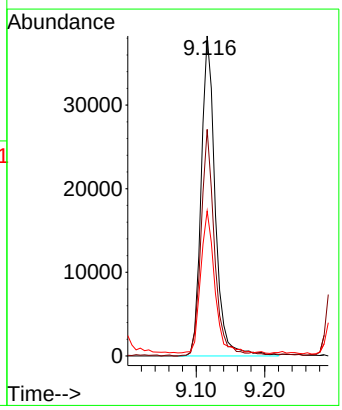


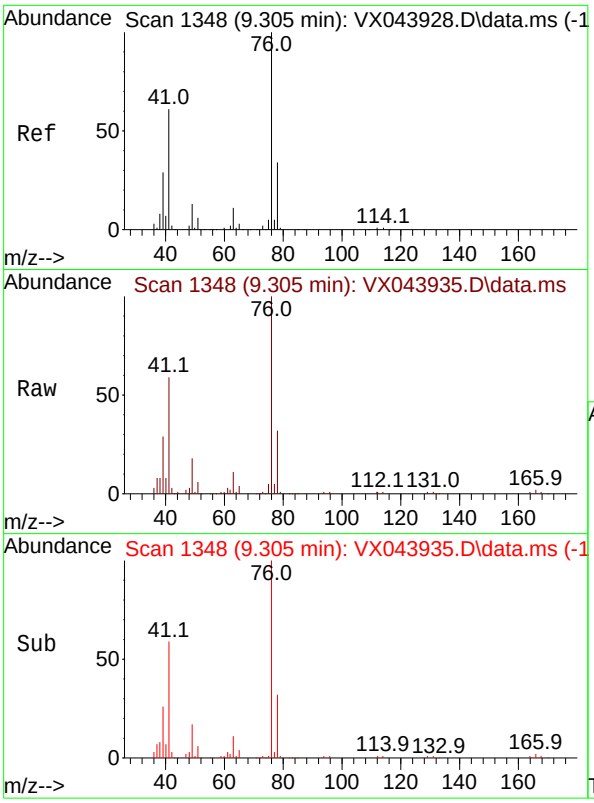




#56
Ethyl methacrylate
Concen: 19.170 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 69 Resp: 54635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.7 | 55.8 | 83.8 |
| 39 | 44.3 | 36.7 | 55.1 |



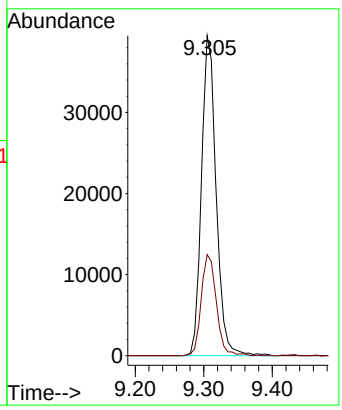


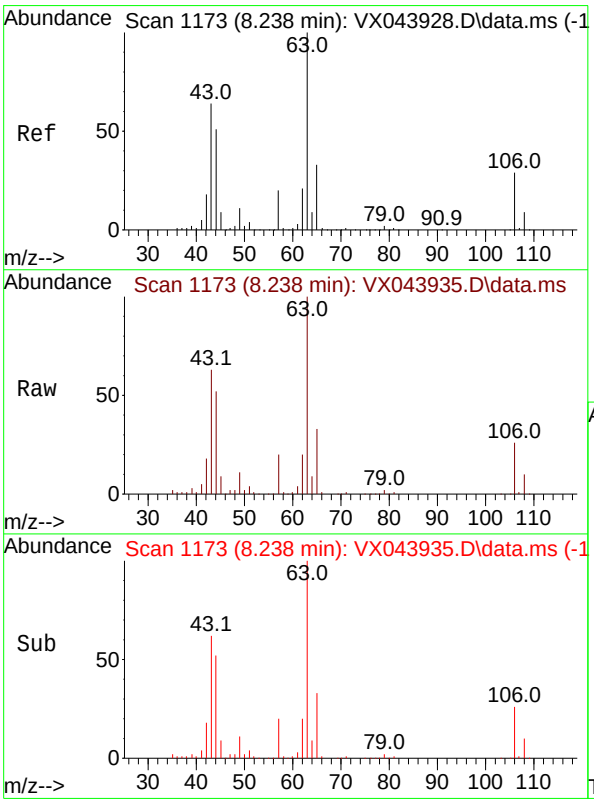

#57
1,3-Dichloropropane
Concen: 19.090 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 76 Resp: 58840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.0 | 39.0 |

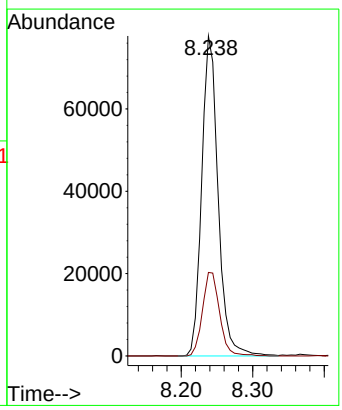


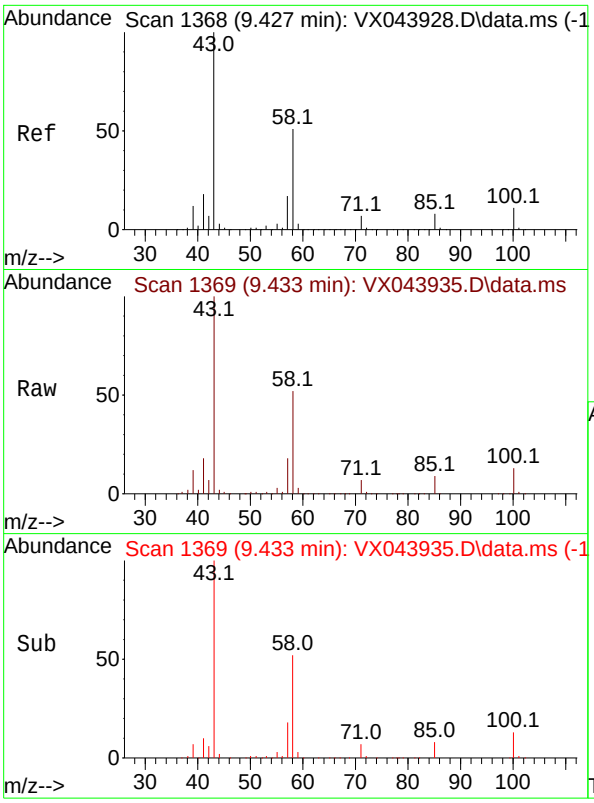




#58
2-Chloroethyl Vinyl ether
Concen: 78.637 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 63 Resp: 123798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 23.0 | 34.6 |



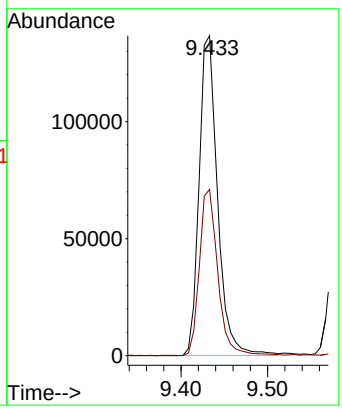


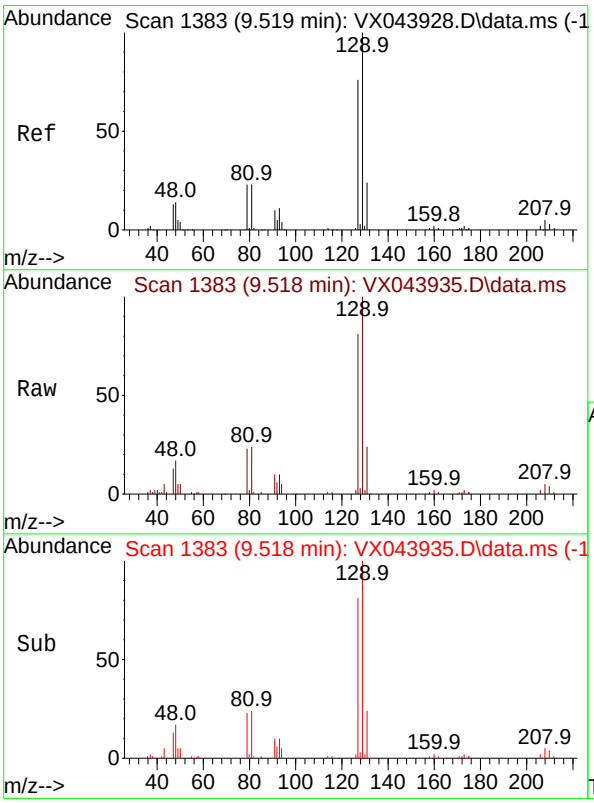

#59
2-Hexanone
Concen: 93.932 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 43 Resp: 202359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.9 | 77.6 |

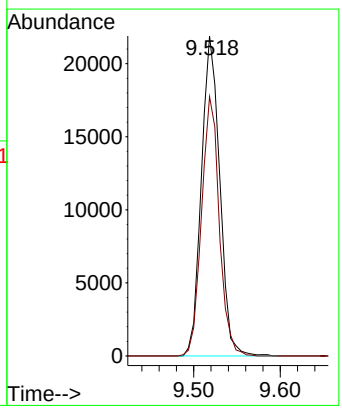


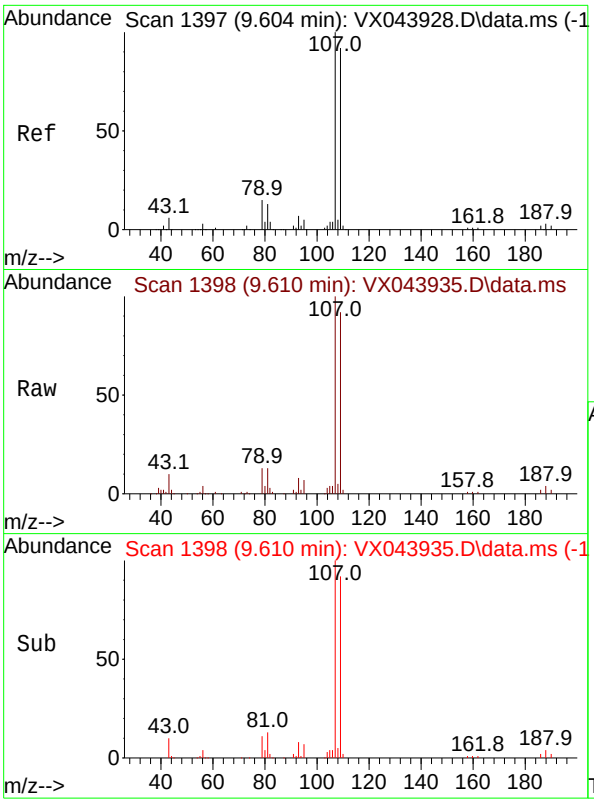




#60
Dibromochloromethane
Concen: 17.540 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:129 Resp: 32200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.2 | 38.2 | 114.6 |



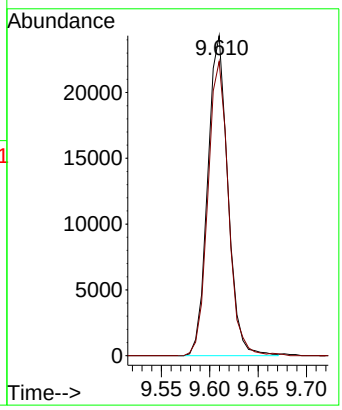


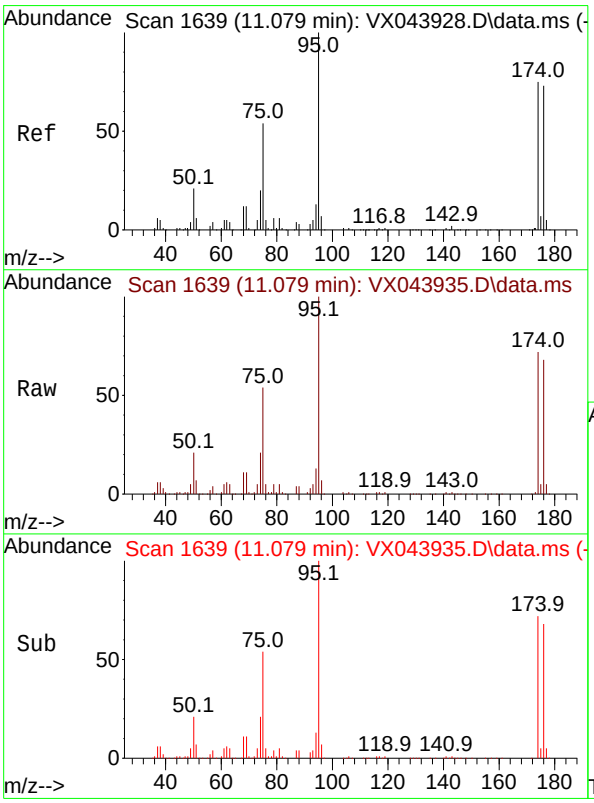

#61
1,2-Dibromoethane
Concen: 19.086 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:107 Resp: 35312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 75.2 | 112.8 |

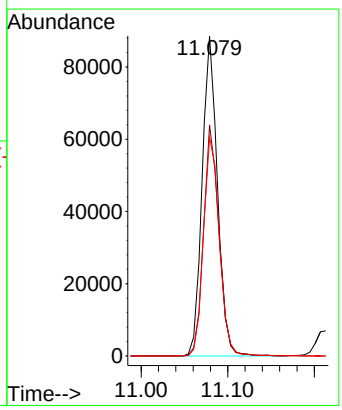


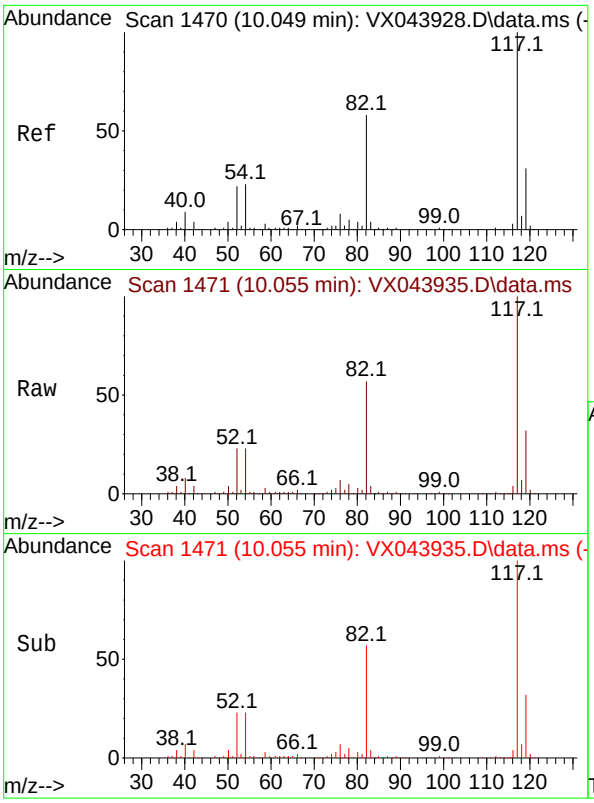




#62
4-Bromofluorobenzene
Concen: 48.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 95 Resp: 108557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.9 | 0.0 | 150.4 |
| 176 | 70.9 | 0.0 | 146.0 |



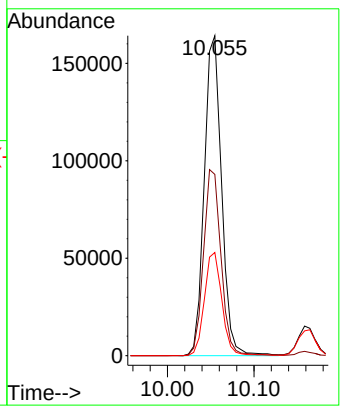


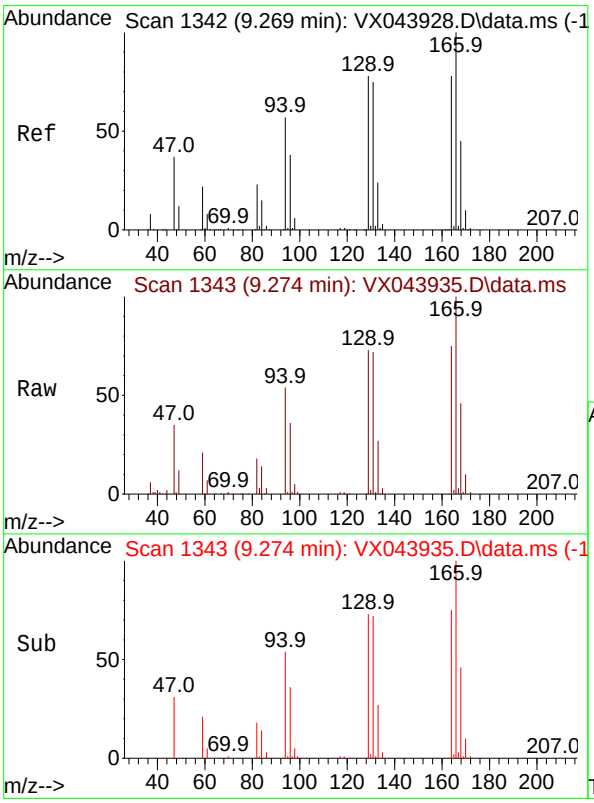

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:117 Resp: 228045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 46.4 | 69.6 |
| 119 | 32.2 | 24.6 | 37.0 |

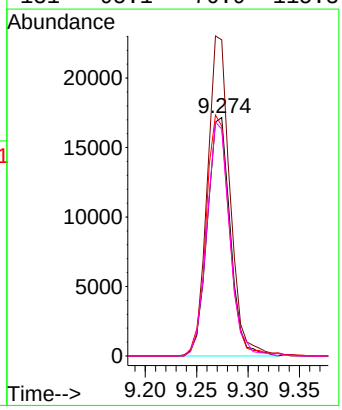


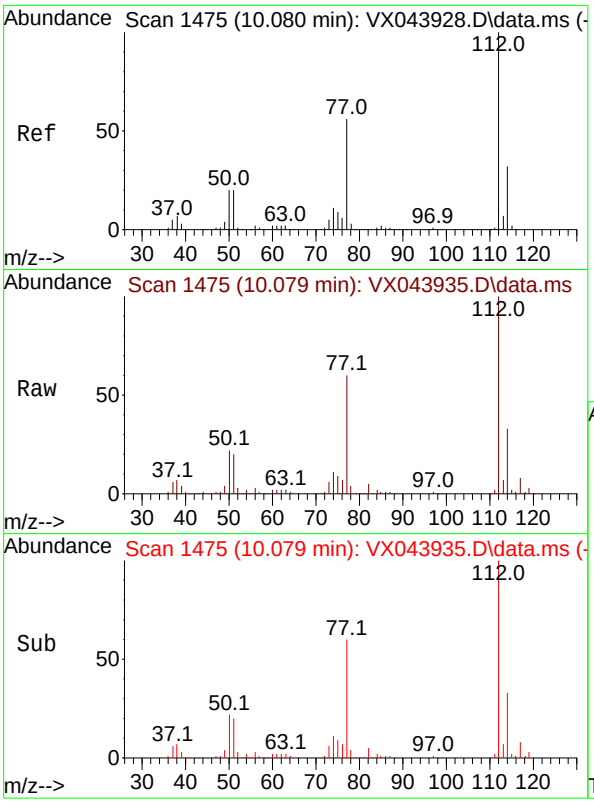




#64
Tetrachloroethene
Concen: 17.672 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:164 Resp: 26574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.6 | 102.1 | 153.1 |
| 129 | 96.4 | 79.6 | 119.4 |
| 131 | 95.1 | 76.9 | 115.3 |



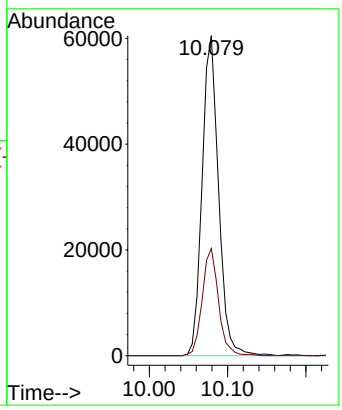


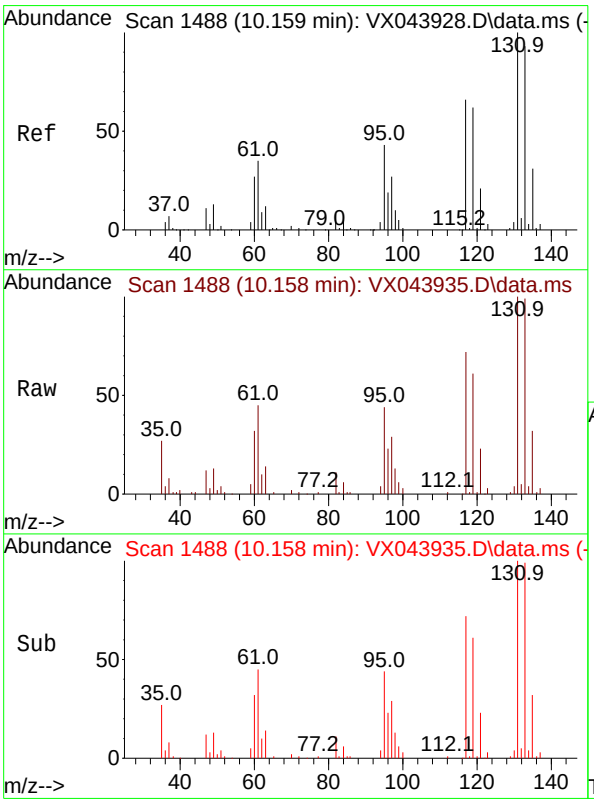

#65
Chlorobenzene
Concen: 17.597 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:112 Resp: 88135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.5 | 25.4 | 38.0 |

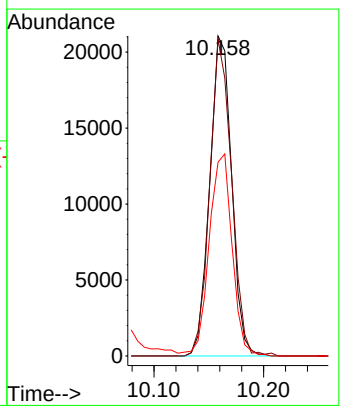


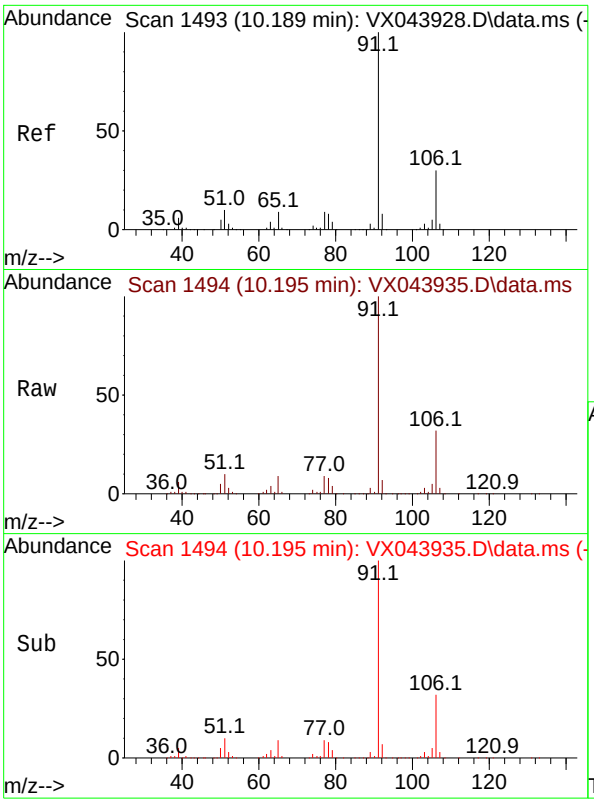




#66
1,1,1,2-Tetrachloroethane
Concen: 17.975 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:131 Resp: 29197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 99.1 | 48.2 | 144.6 |
| 119 | 66.3 | 31.5 | 94.5 |



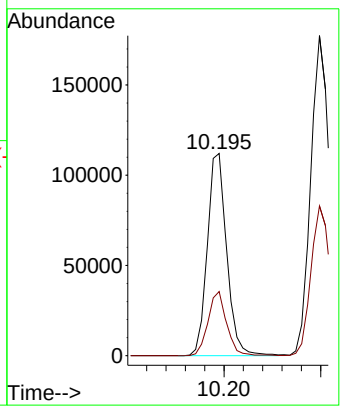


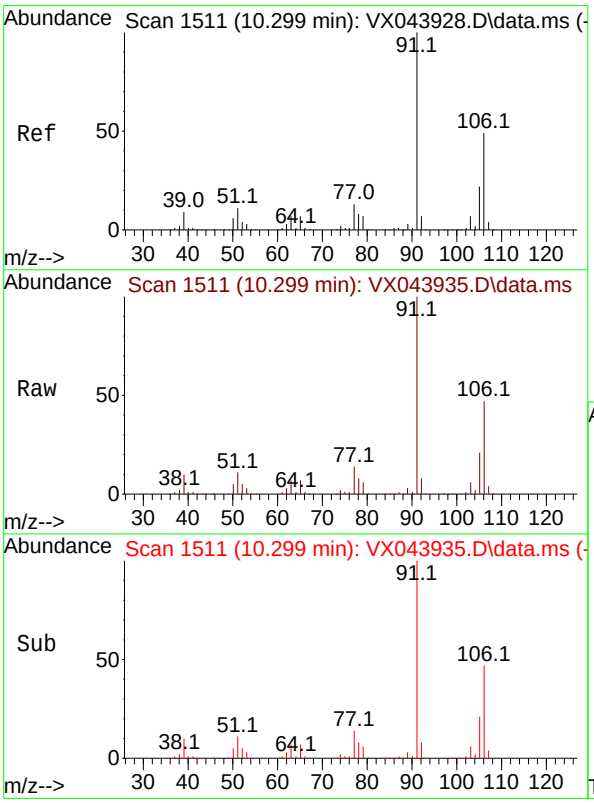

#67
Ethyl Benzene
Concen: 18.409 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 91 Resp: 156237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.8 | 23.6 | 35.4 |

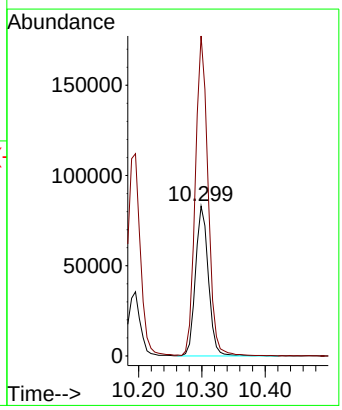


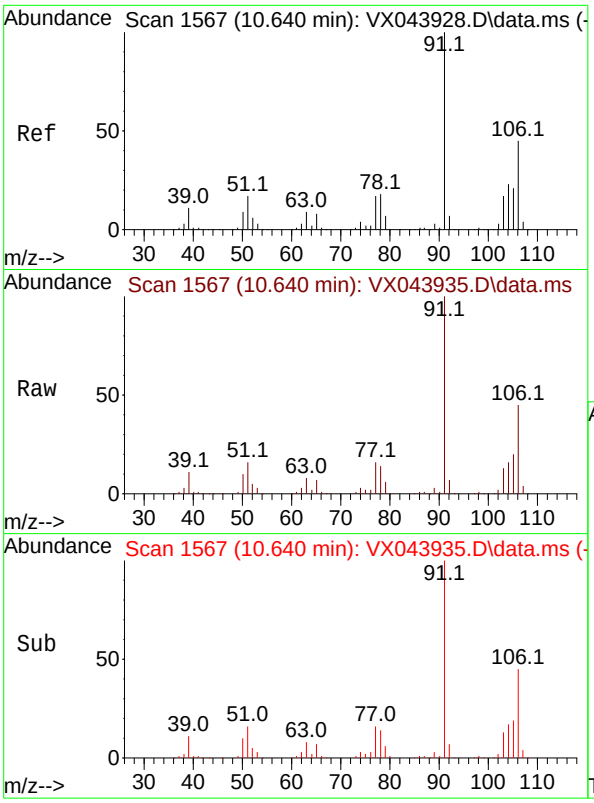




#68
m/p-Xylenes
Concen: 37.298 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:106 Resp: 118047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.3 | 168.1 | 252.1 |



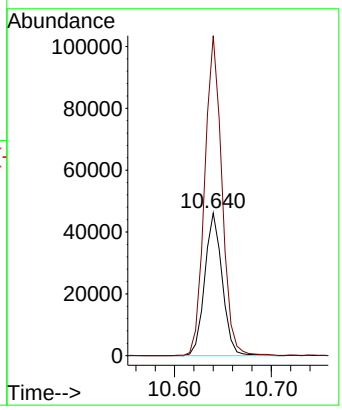


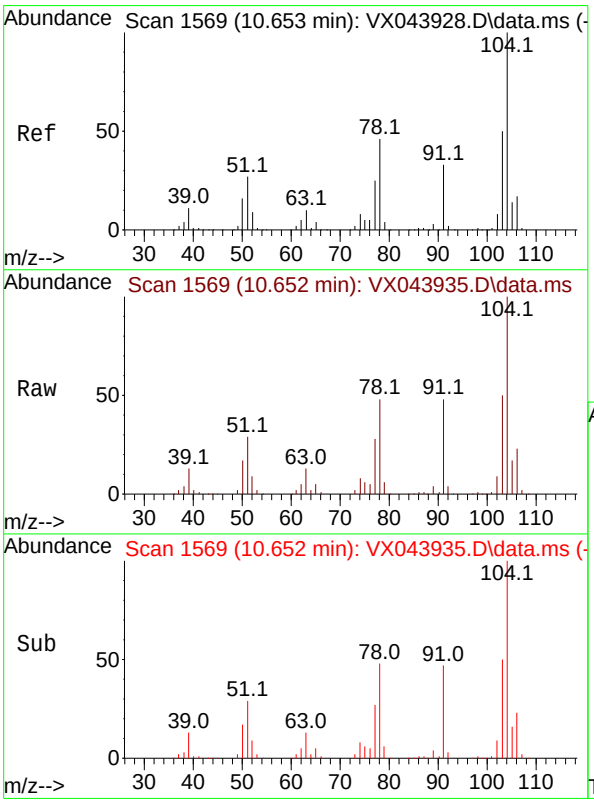

#69
o-Xylene
Concen: 18.798 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:106 Resp: 58089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.8 | 110.2 | 330.6 |

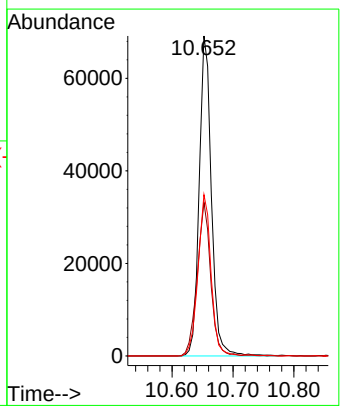


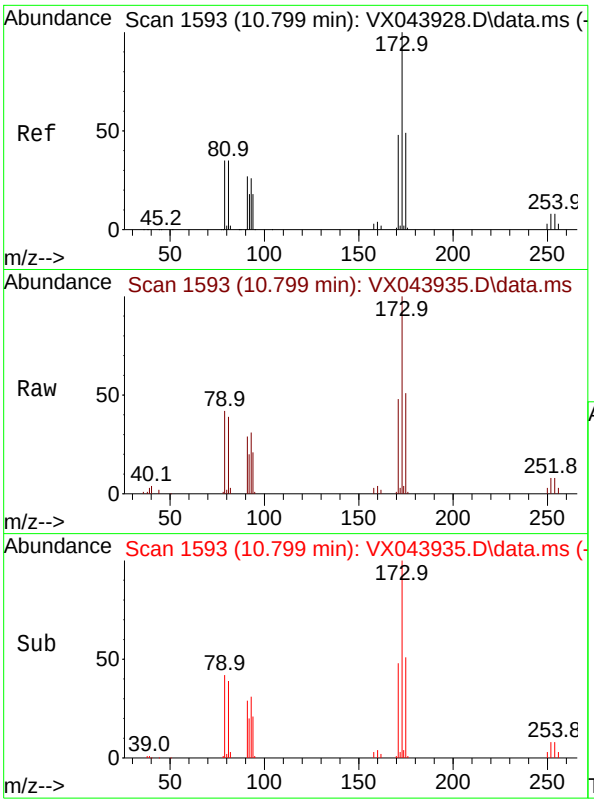




#70
Styrene
Concen: 18.840 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:104 Resp: 96289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.1 | 42.2 | 63.2 |
| 103 | 53.8 | 44.7 | 67.1 |



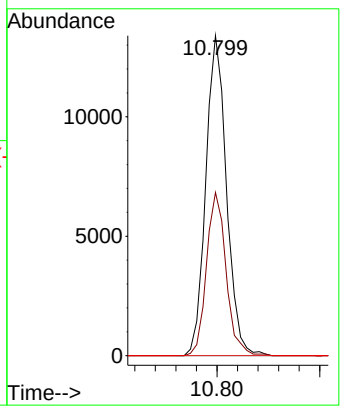


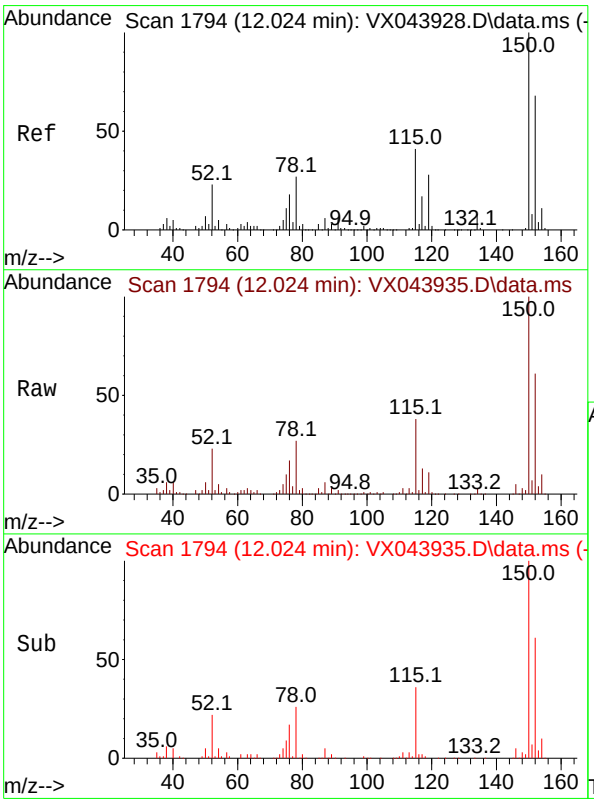

#71
Bromoform
Concen: 16.601 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:173 Resp: 18754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

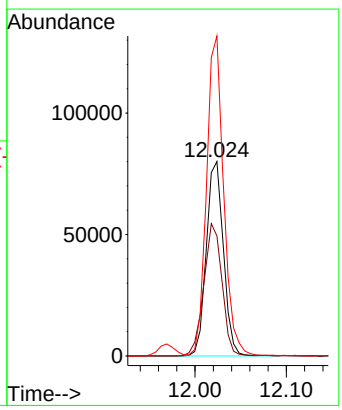


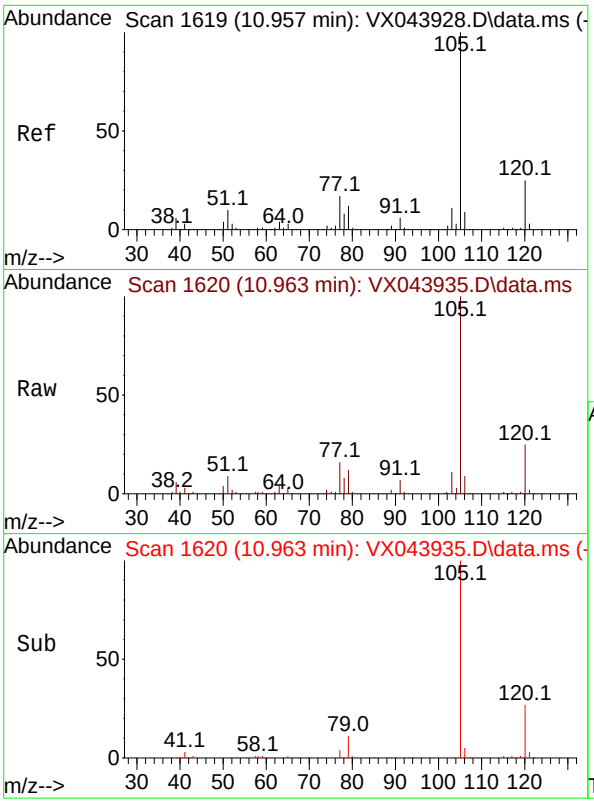




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:152 Resp: 103776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 72.3 | 45.4 | 136.2 |
| 150 | 164.9 | 0.0 | 353.0 |



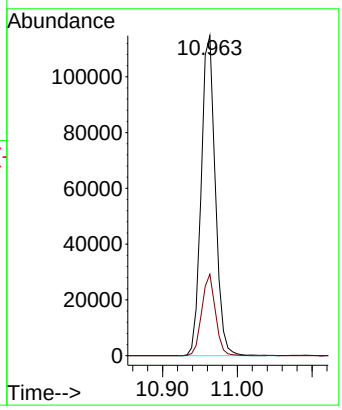


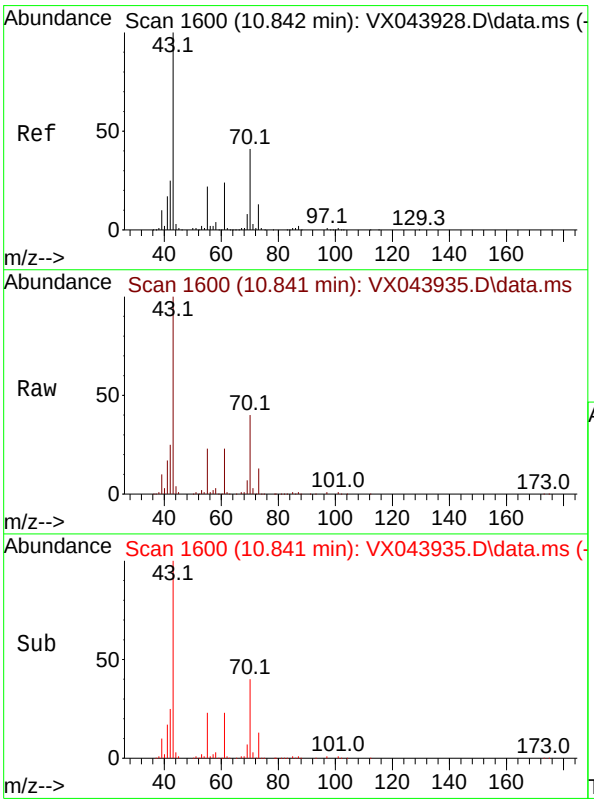

#73
Isopropylbenzene
Concen: 18.864 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:105 Resp: 150482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 24.7 | 13.0 | 38.9 |

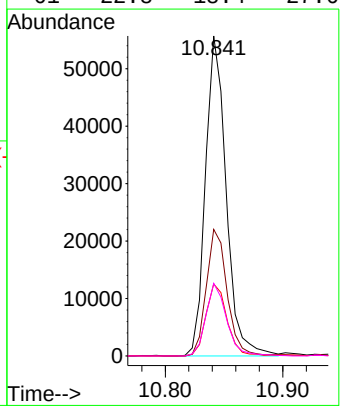


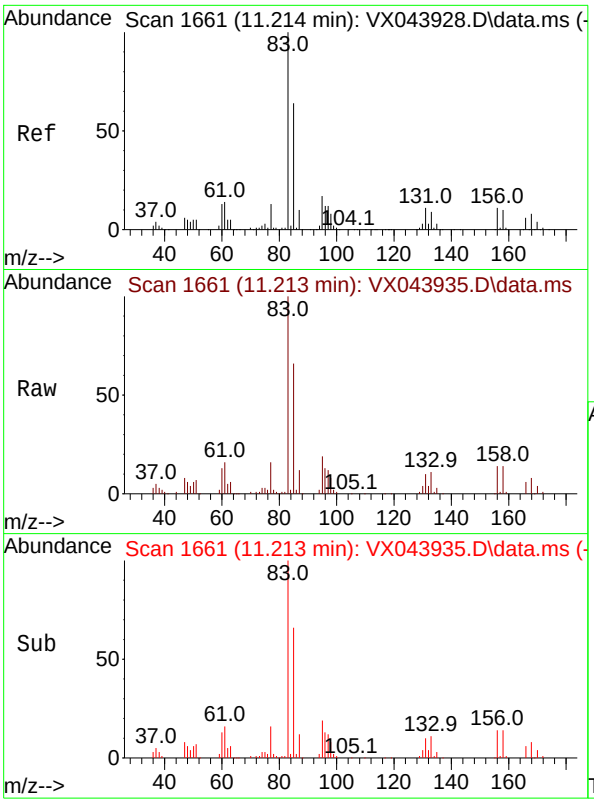




#74
N-amyl acetate
Concen: 18.505 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 43 Resp: 68384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 32.2 | 48.2 |
| 55 | 23.0 | 18.1 | 27.1 |
| 61 | 22.8 | 18.4 | 27.6 |



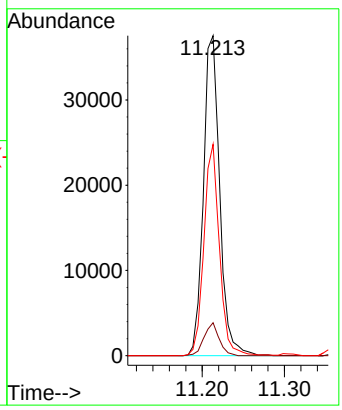


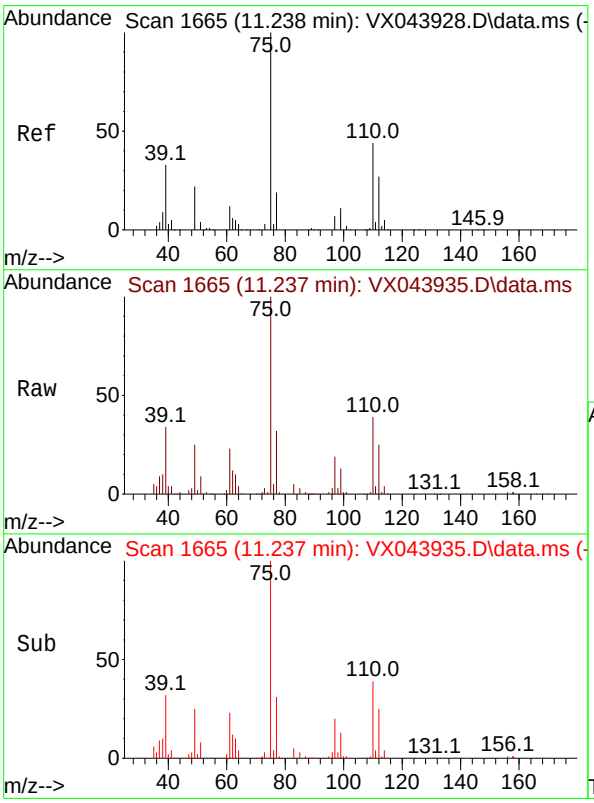

#75
1,1,2,2-Tetrachloroethane
Concen: 18.911 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 83 Resp: 51655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.6 | 5.1 | 15.2 |
| 85 | 63.0 | 32.2 | 96.6 |

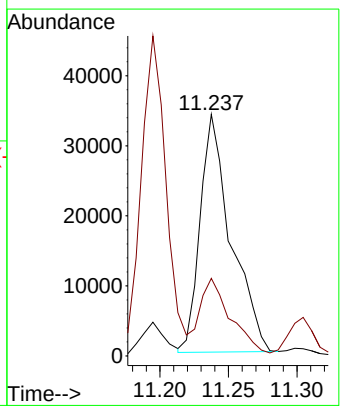


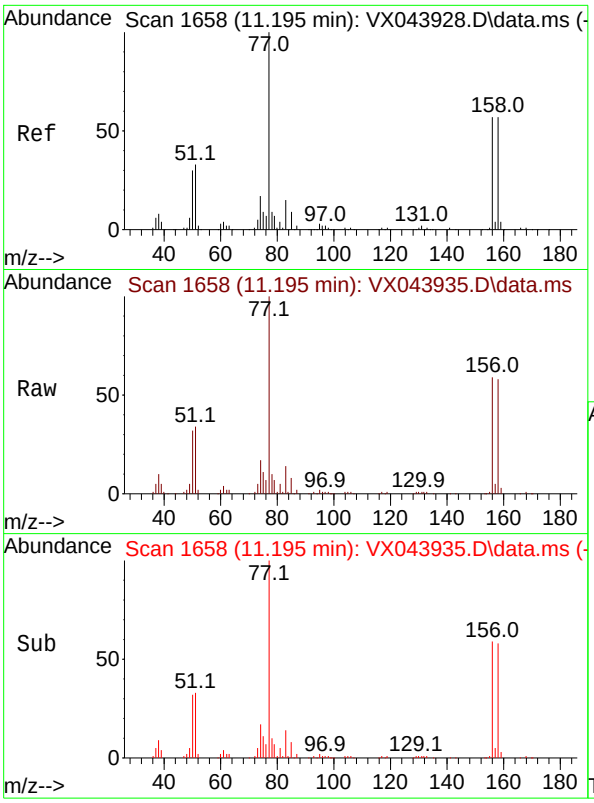




#76
1,2,3-Trichloropropane
Concen: 23.468 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 53408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.2 | 21.8 | 65.3 |



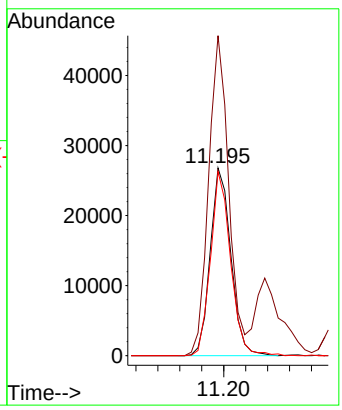


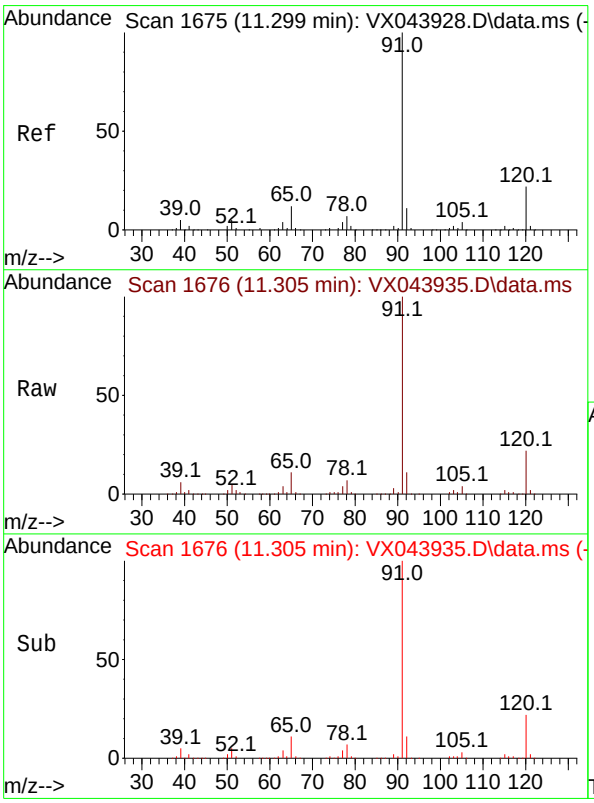

#77
Bromobenzene
Concen: 18.401 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:156 Resp: 35017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 165.7 | 83.4 | 250.1 |
| 158 | 95.6 | 47.6 | 142.8 |

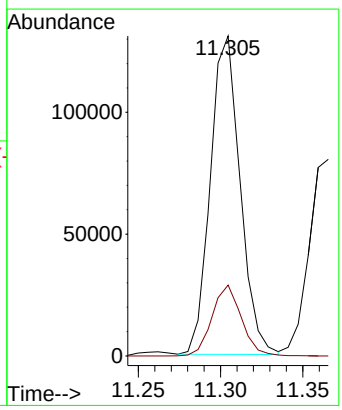


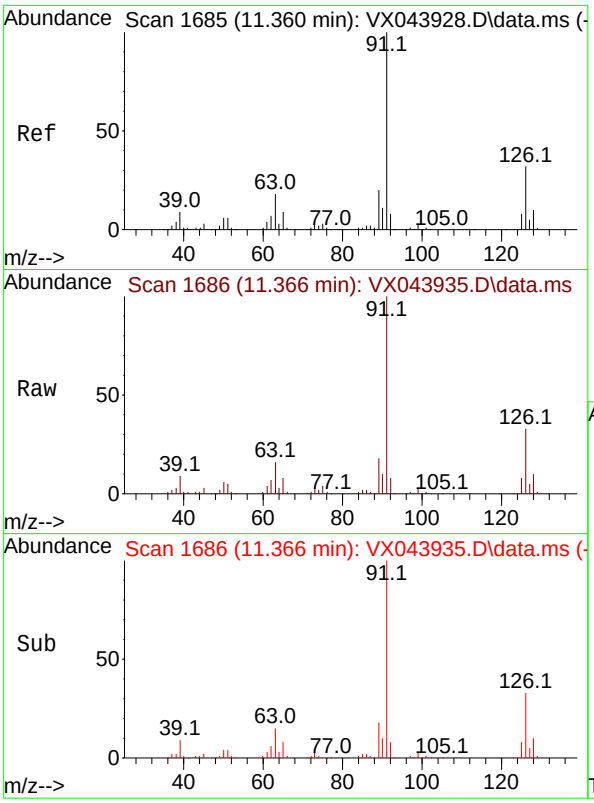




#78
n-propylbenzene
Concen: 18.470 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 164560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.5 | 34.4 |



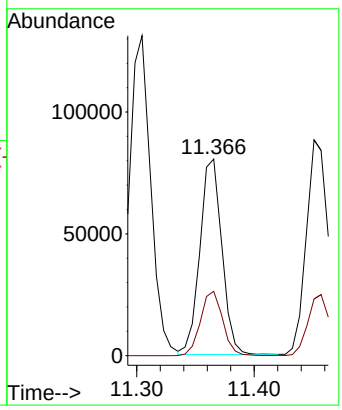


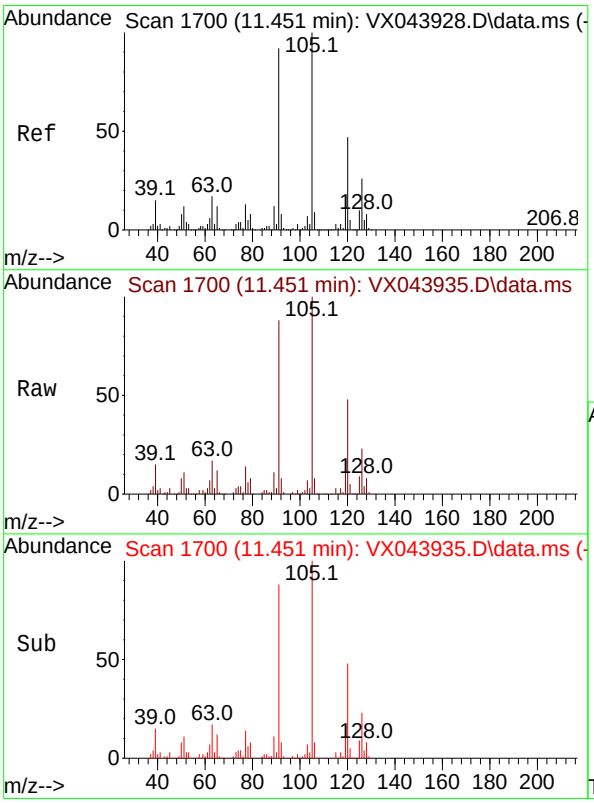

#79
2-Chlorotoluene
Concen: 18.564 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 91 Resp: 104587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |

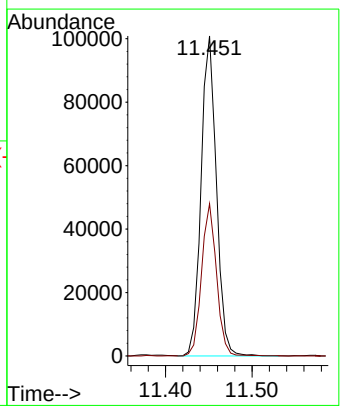


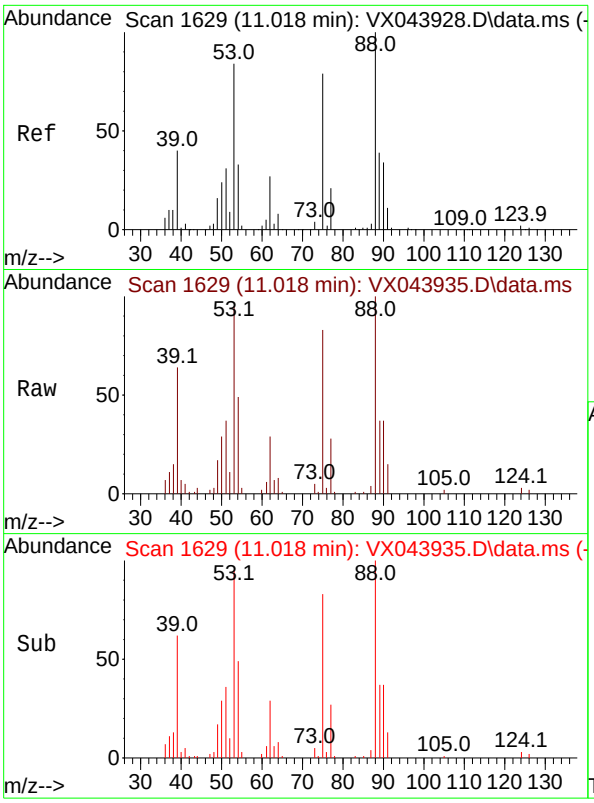




#80
1,3,5-Trimethylbenzene
Concen: 18.857 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 123757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.5 | 23.3 | 69.8 |



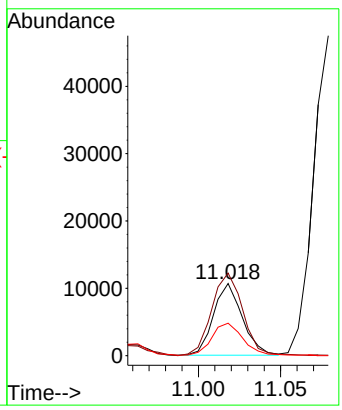


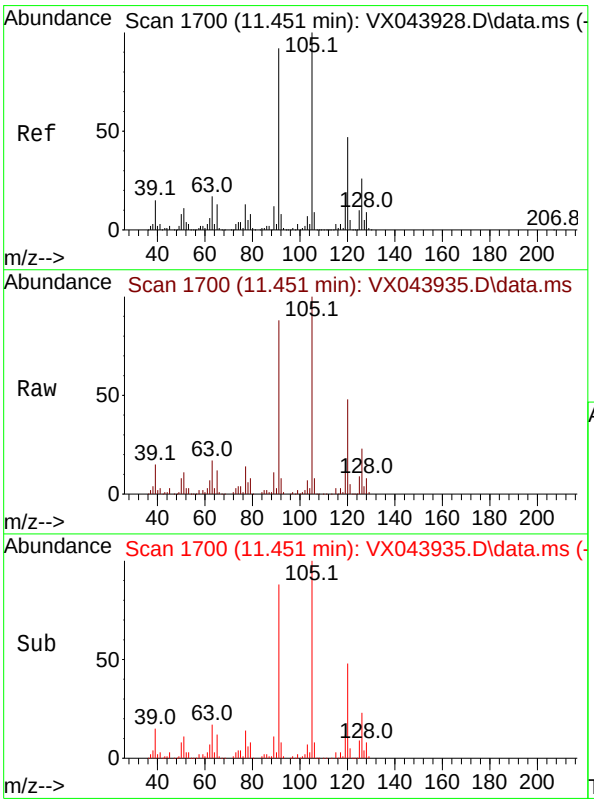

#81
trans-1,4-Dichloro-2-butene
Concen: 15.585 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 75 Resp: 12998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 124.9 | 86.7 | 130.1 |
| 89 | 50.0 | 38.2 | 57.2 |

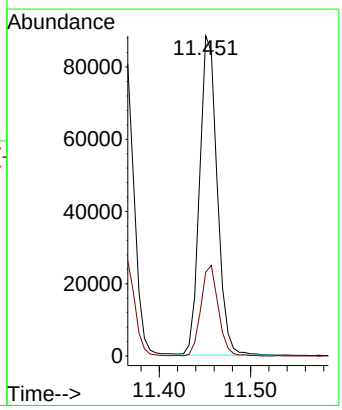


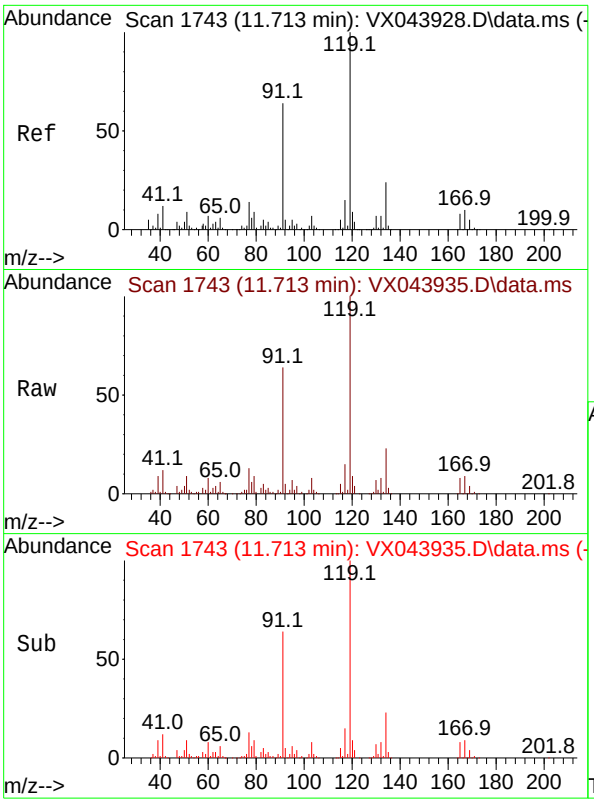




#82
4-Chlorotoluene
Concen: 18.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 91 Resp: 117669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.2 | 14.3 | 42.9 |



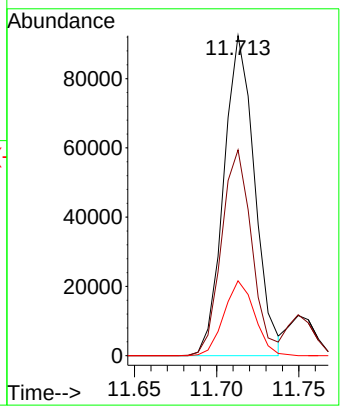


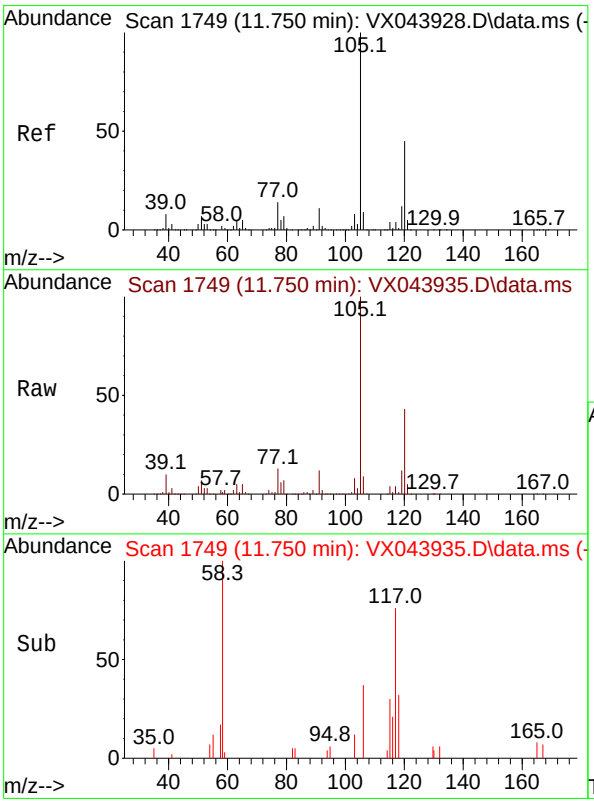

#83
tert-Butylbenzene
Concen: 18.524 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:119 Resp: 120497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.6 | 31.0 | 93.0 |
| 134 | 23.2 | 11.6 | 34.8 |

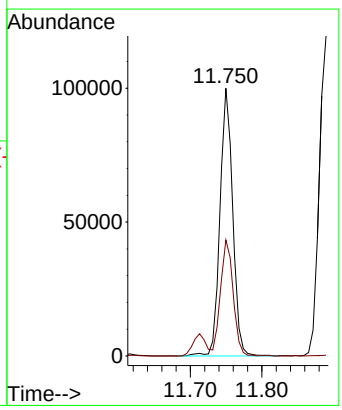


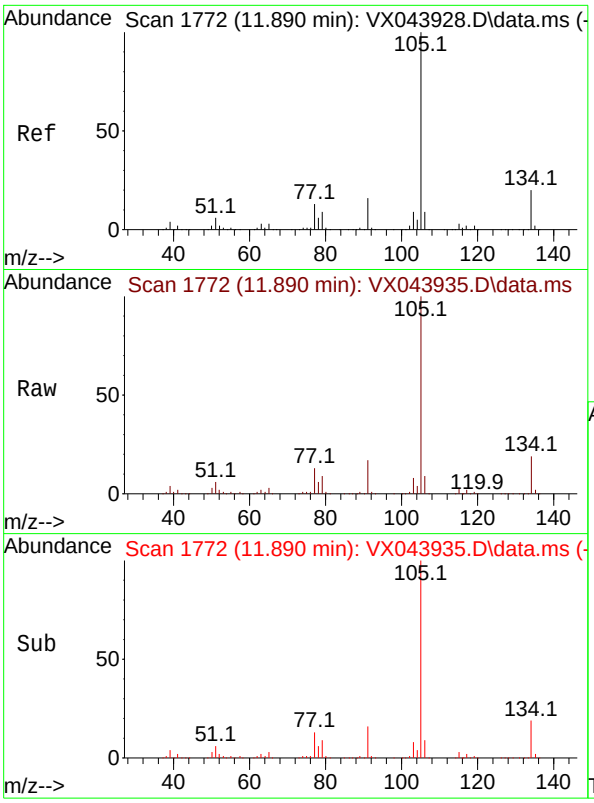




#84
1,2,4-Trimethylbenzene
Concen: 18.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:105 Resp: 123662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.9 | 21.9 | 65.7 |



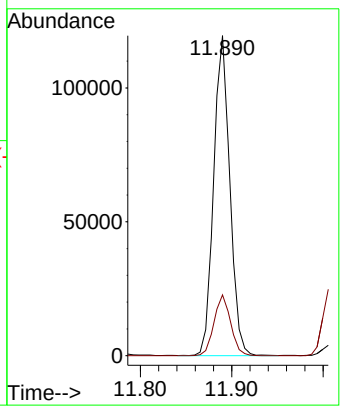


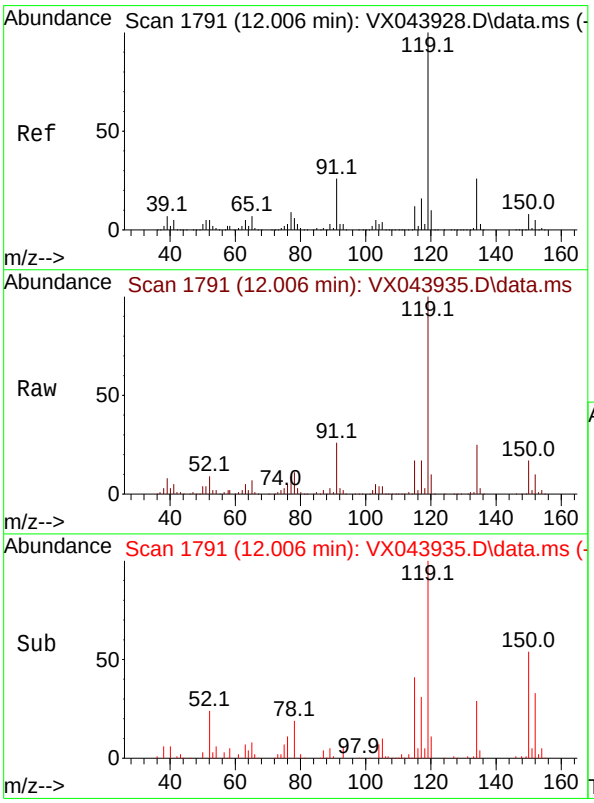

#85
sec-Butylbenzene
Concen: 18.404 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:105 Resp: 146684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.5 | 9.7 | 29.1 |

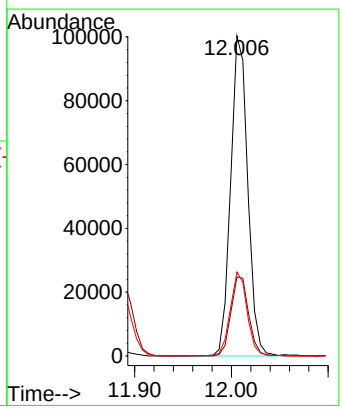


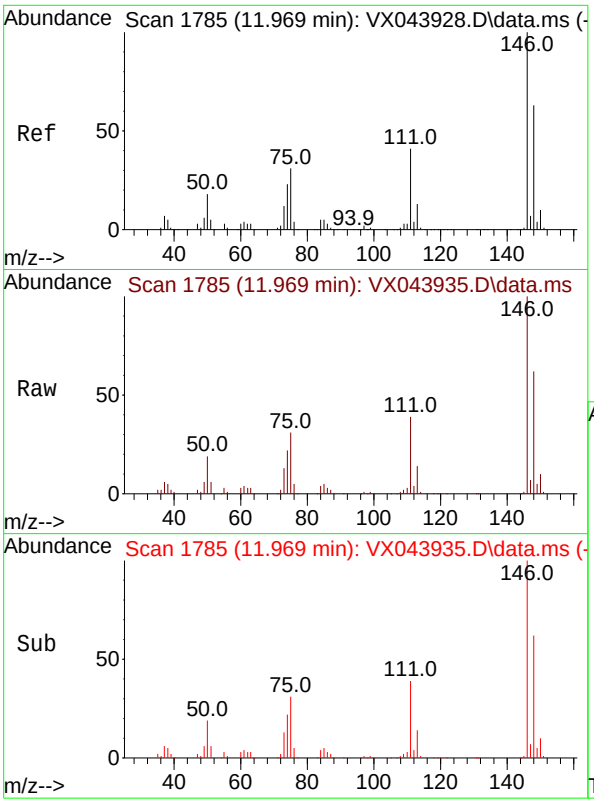




#86
p-Isopropyltoluene
Concen: 19.019 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:119 Resp: 123130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 26.0 | 13.0 | 38.9 |



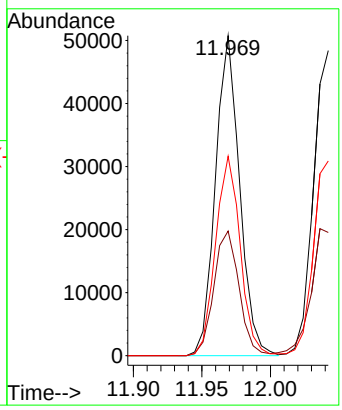


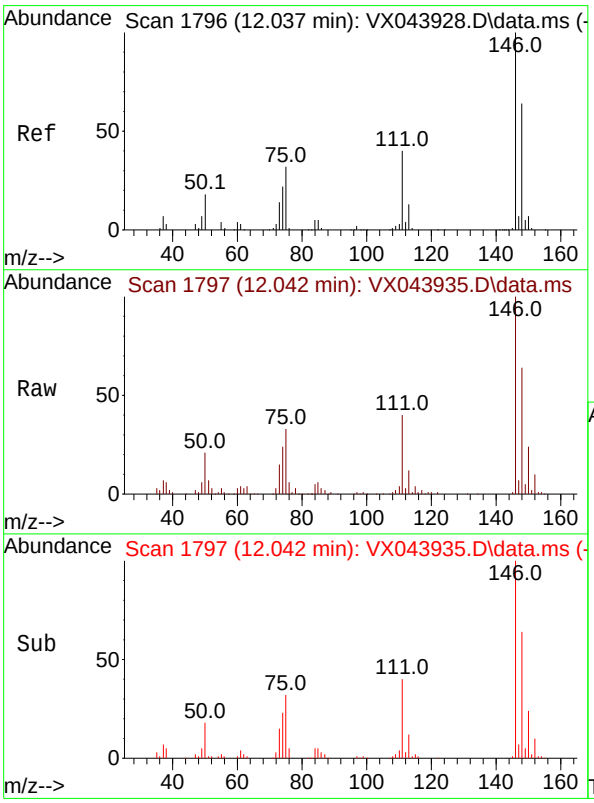

#87
1,3-Dichlorobenzene
Concen: 17.929 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:146 Resp: 62139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.1 | 63.3 |
| 148 | 63.8 | 31.7 | 95.1 |

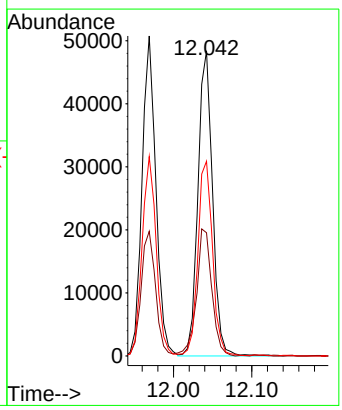


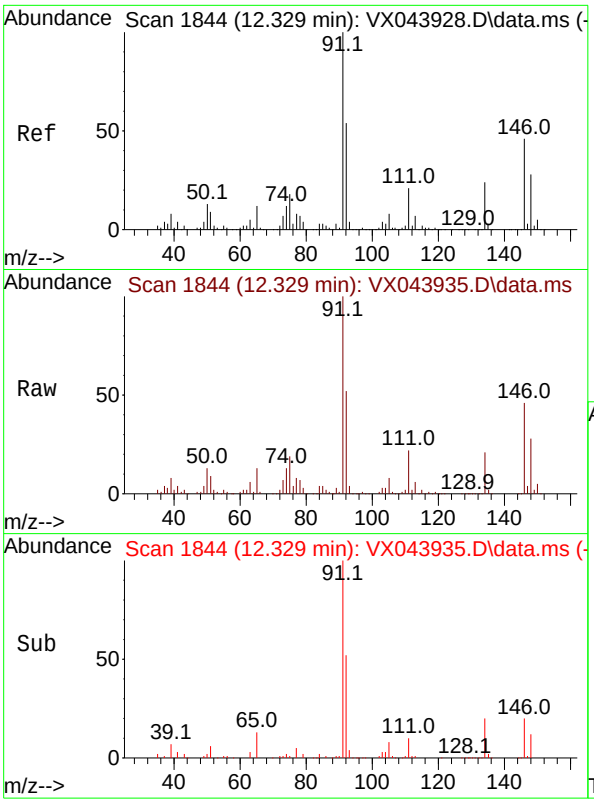




#88
1,4-Dichlorobenzene
Concen: 17.725 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:146 Resp: 62631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 20.1 | 60.3 |
| 148 | 63.9 | 30.9 | 92.8 |



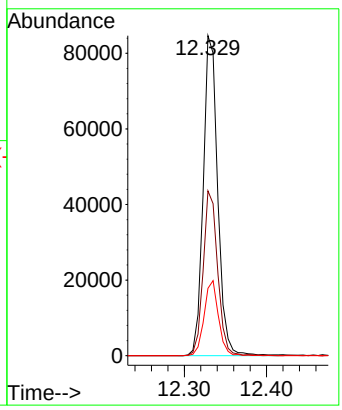


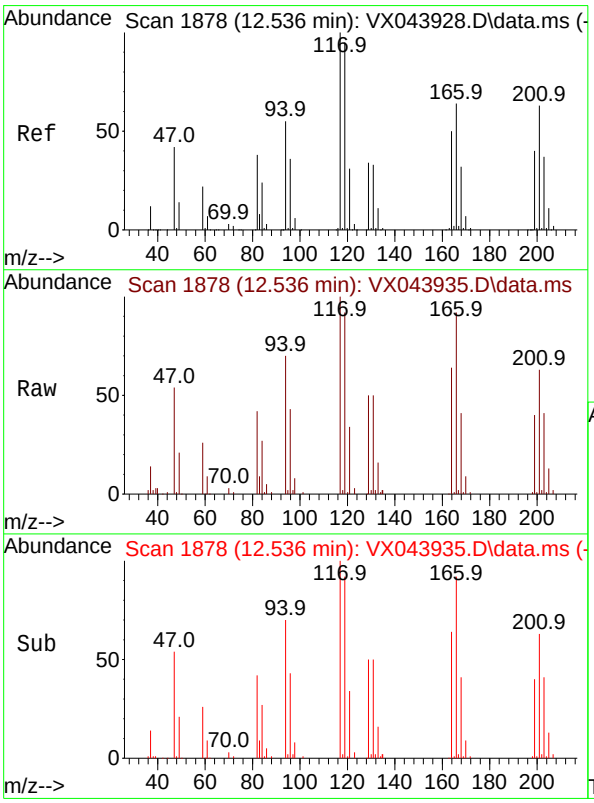

#89
n-Butylbenzene
Concen: 18.151 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion: 91 Resp: 103605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.5 | 26.6 | 79.8 |
| 134 | 23.3 | 12.4 | 37.2 |

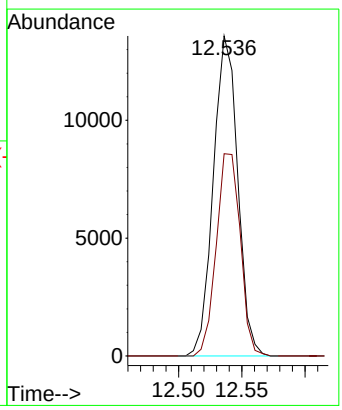


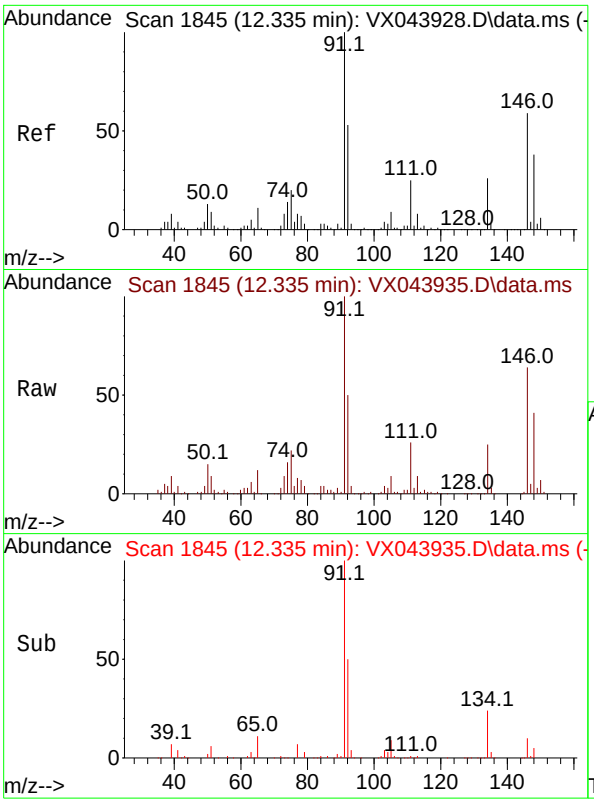




#90
Hexachloroethane
Concen: 16.519 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:117 Resp: 18185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 62.2 | 32.4 | 97.0 |



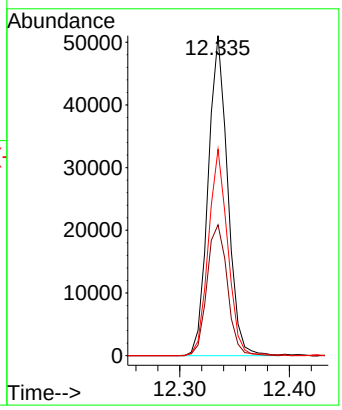


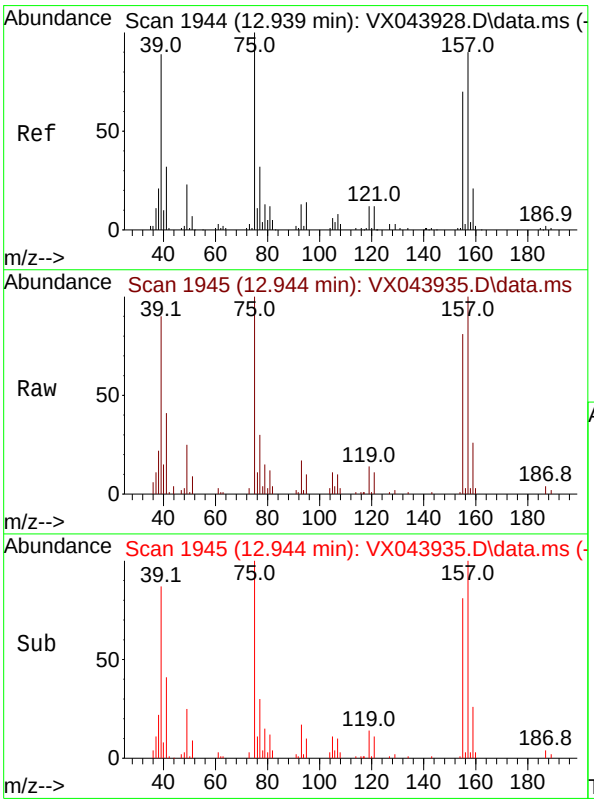

#91
1,2-Dichlorobenzene
Concen: 18.001 ug/l
RT: 12.335 min Scan# 18
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:146 Resp: 62963

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.9 | 21.5 | 64.5 |
| 148 | 63.9 | 31.9 | 95.5 |

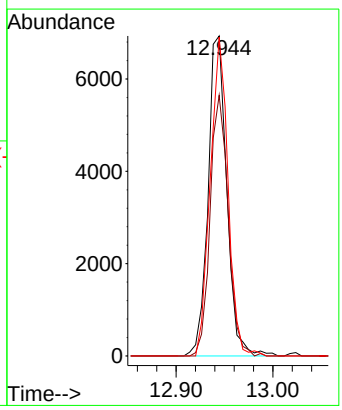


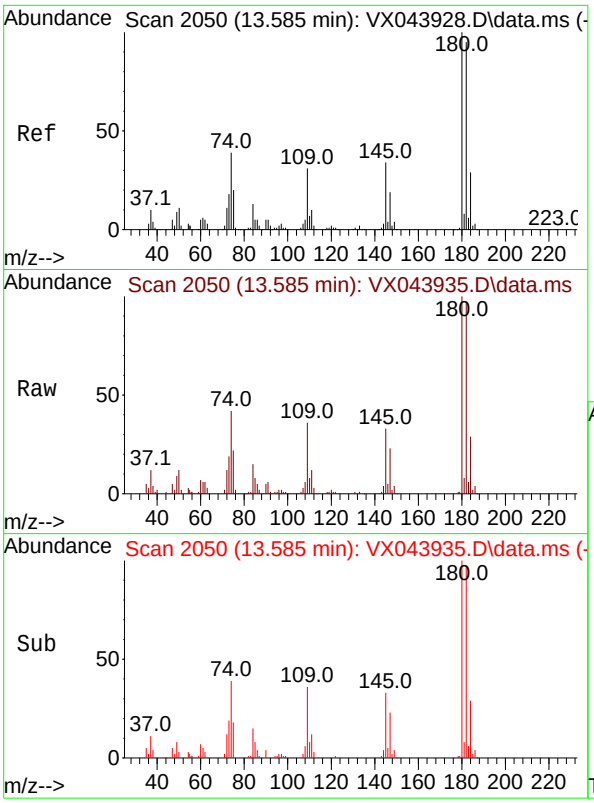




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.082 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion: 75 Resp: 9349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.6 | 40.1 | 120.2 |
| 157 | 94.4 | 49.6 | 149.0 |



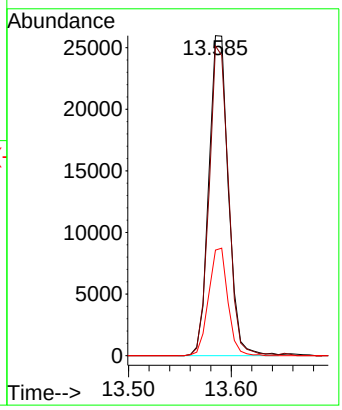


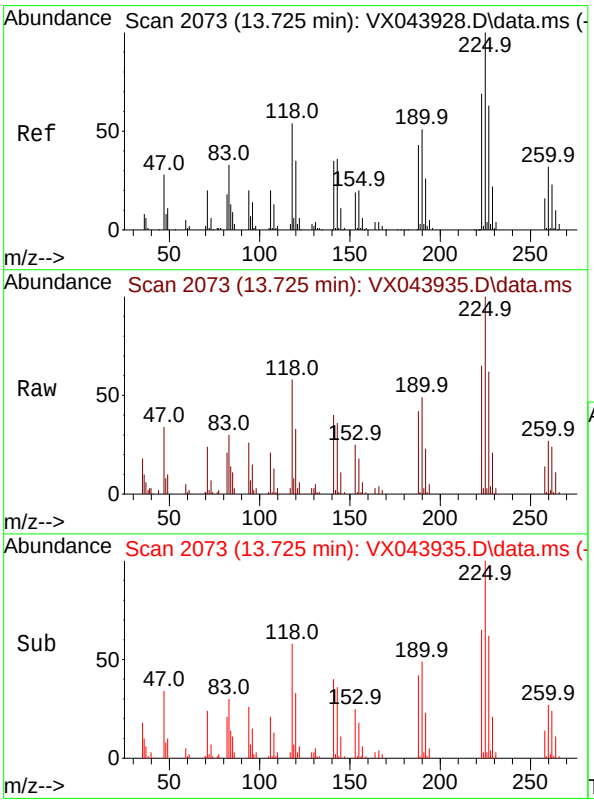

#93
1,2,4-Trichlorobenzene
Concen: 16.611 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:180 Resp: 34254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 48.0 | 144.2 |
| 145 | 33.0 | 16.8 | 50.4 |

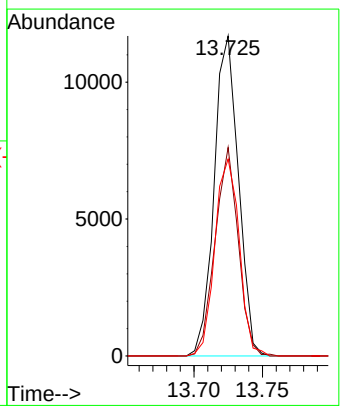


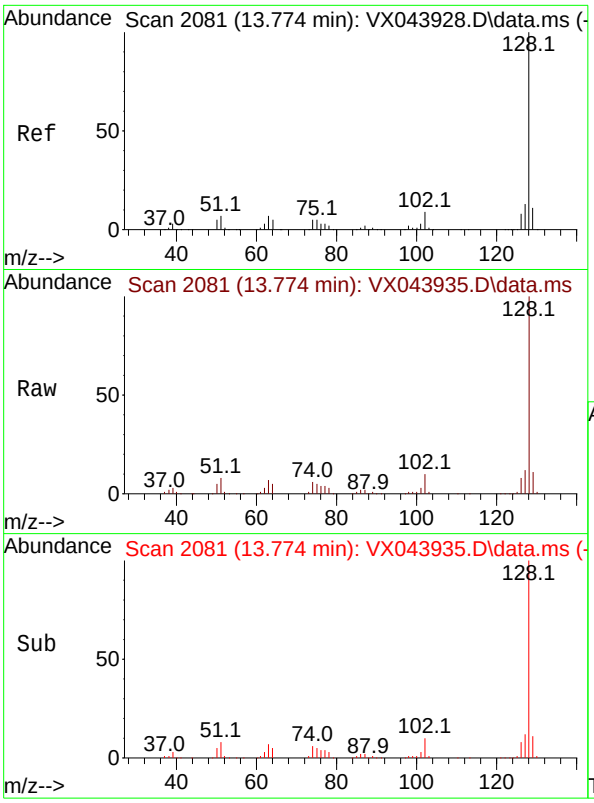




#94
Hexachlorobutadiene
Concen: 17.637 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:225 Resp: 14374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.1 | 32.9 | 98.6 |
| 227 | 61.9 | 31.6 | 94.8 |



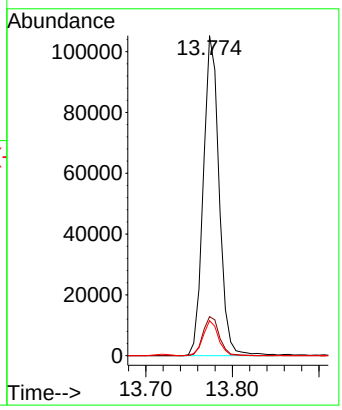


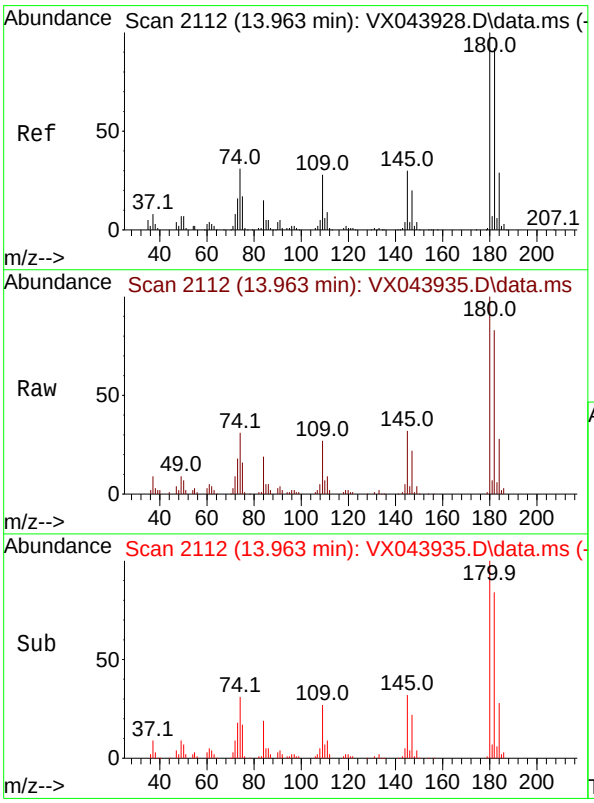

#95
Naphthalene
Concen: 17.992 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1121WBS01

Tgt Ion:128 Resp: 133553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.7 | 8.6 | 12.8 |

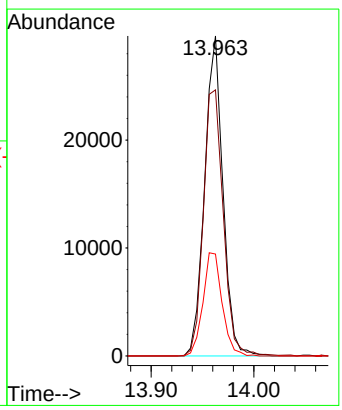



#96
1,2,3-Trichlorobenzene
Concen: 17.629 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043935.D
Acq: 21 Nov 2024 15:13

Tgt Ion:180 Resp: 36794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 90.4 | 45.6 | 136.8 |
| 145 | 33.8 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 125909 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 235228 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 199397 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 92487 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 113011 | 52.331 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.660% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 83978 | 49.962 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.920% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 288863 | 49.856 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.720% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 99417 | 50.418 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.840% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 76410 | 47.904 | ug/l | 96 |
| 3) Chloromethane | 1.295 | 50 | 87713 | 52.257 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 88832 | 49.757 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 53034 | 48.287 | ug/l | 99 |
| 6) Chloroethane | 1.666 | 64 | 50804 | 46.701 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 143736 | 45.031 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 56319 | 48.410 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 68994 | 45.315 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 95346 | 50.141 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.995 | 59 | 82566 | 238.198 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 69293 | 47.761 | ug/l | 92 |
| 13) Acrolein | 2.233 | 56 | 94661 | 259.090 | ug/l | 95 |
| 14) Allyl chloride | 2.654 | 41 | 117658 | 49.631 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 213956 | 253.290 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 196628 | 198.241 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 132646 | 44.323 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 106984 | 46.317 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 267907 | 50.856 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 80434 | 47.787 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 73874 | 49.318 | ug/l | 97 |
| 22) Diisopropyl ether | 3.764 | 45 | 257394 | 50.776 | ug/l | 97 |
| 23) Vinyl Acetate | 3.721 | 43 | 1070952 | 246.967 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 147908 | 50.577 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 303698 | 237.298 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 114088 | 43.198 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 93139 | 50.303 | ug/l | 96 |
| 28) Bromochloromethane | 4.898 | 49 | 60919 | 47.325 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 193564 | 246.701 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 157475 | 50.067 | ug/l | 96 |
| 31) Cyclohexane | 5.458 | 56 | 111126 | 46.170 | ug/l | 93 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 135776 | 50.058 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.690 | 75 | 98493 | 47.024 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 115457 | 44.407 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 107796 | 45.803 | ug/l | 99 |
| 39) Methylcyclohexane | 7.379 | 83 | 119300 | 43.844 | ug/l | 93 |
| 40) Benzene | 6.032 | 78 | 312491 | 47.897 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 64964 | 48.819 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 124156 | 47.383 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 193221 | 46.698 | ug/l | | 99 |
| 44) Trichloroethene | 7.123 | 130 | 76959 | 41.669 | ug/l | | 91 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 78382 | 49.052 | ug/l | | 98 |
| 46) Dibromomethane | 7.580 | 93 | 62137 | 49.158 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 110061 | 48.549 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.696 | 41 | 93500 | 47.093 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 32557 | 920.558 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 618486 | 244.942 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 189861 | 48.620 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 110173 | 47.657 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 120614 | 47.592 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 76514 | 47.467 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 124527 | 49.597 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 133219 | 49.060 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 455259 | 239.878 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 76616 | 47.372 | ug/l | | 96 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 81006 | 49.699 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 60425 | 45.958 | ug/l | | 99 |
| 65) Chlorobenzene | 10.080 | 112 | 207688 | 47.425 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 71242 | 50.161 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 359312 | 48.420 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 263950 | 95.380 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 132336 | 48.978 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 221676 | 49.604 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 46043 | 43.157 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 343545 | 48.323 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 157143 | 47.714 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 117970 | 48.461 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 129582 | 63.889 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 80285 | 47.340 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 384137 | 48.379 | ug/l | | 97 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 238757 | 47.553 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 281466 | 48.122 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 32581 | 43.834 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 267563 | 47.202 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 279835 | 48.270 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 284559 | 48.867 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 331556 | 46.678 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 276997 | 48.009 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 143767 | 46.544 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 143294 | 45.502 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 236825 | 46.555 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 45136 | 46.006 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 149710 | 48.027 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 22722 | 46.583 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 81352 | 44.267 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 30308 | 41.728 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 309000 | 46.709 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 87030 | 46.788 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

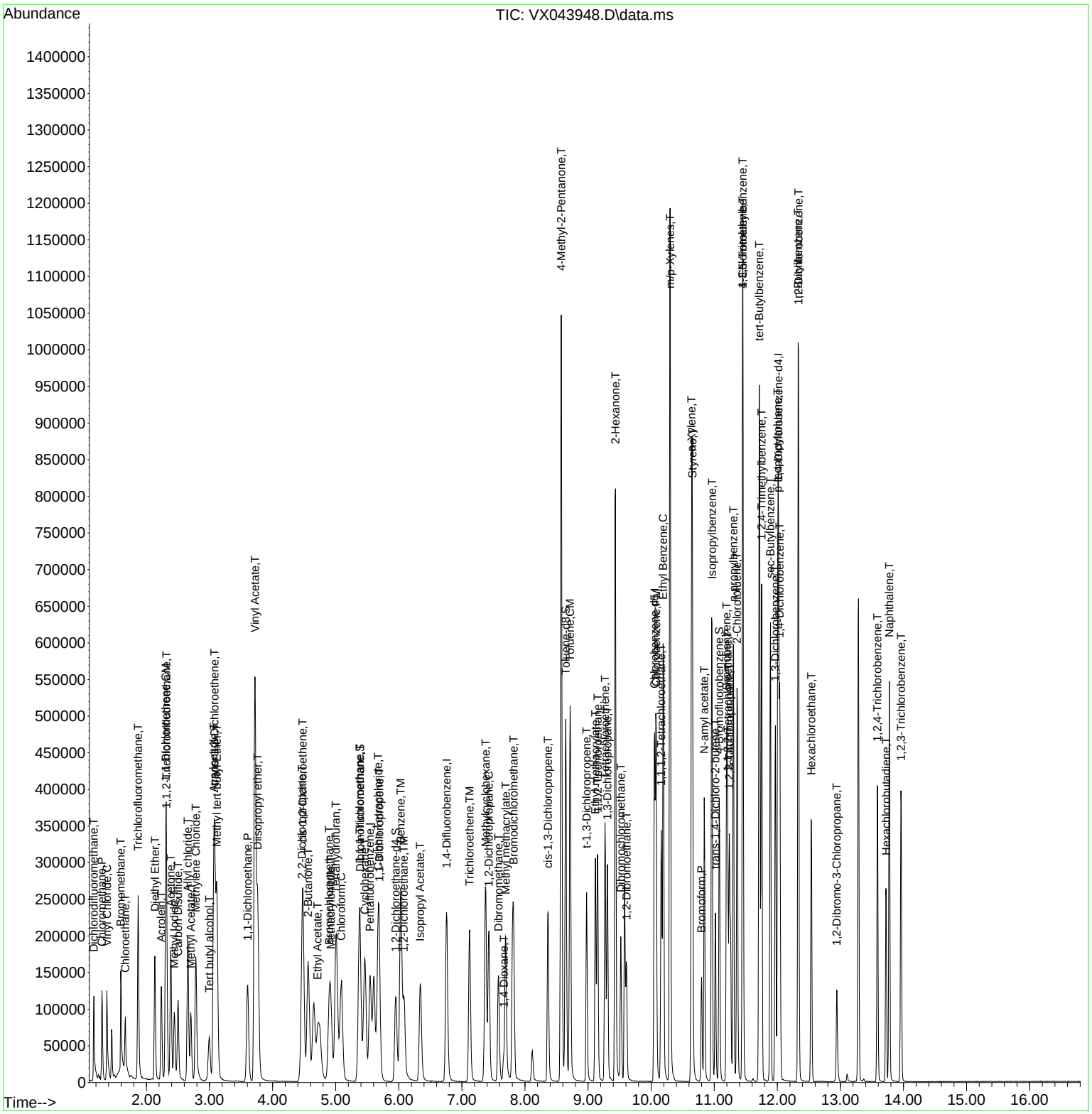
(#) = qualifier out of range (m) = manual integration (+) = signals summed

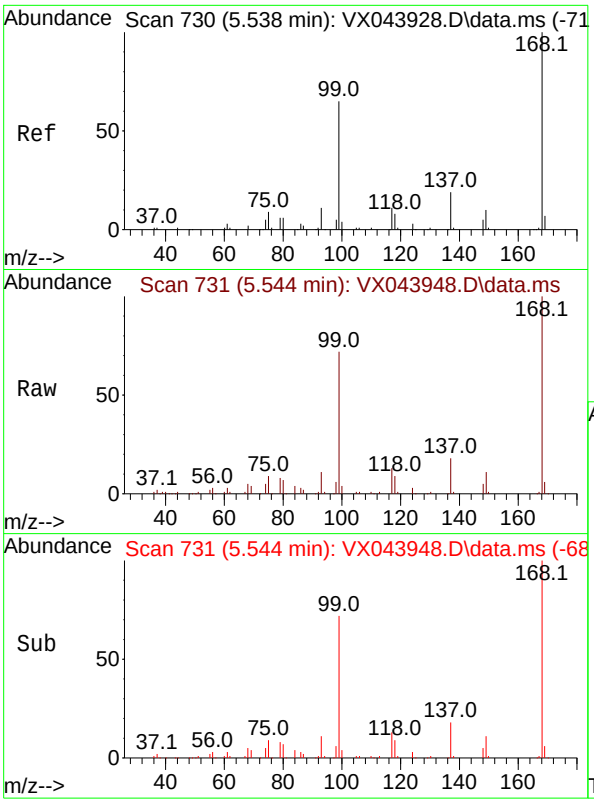
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043948.D
Acq On : 21 Nov 2024 20:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 04:04:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



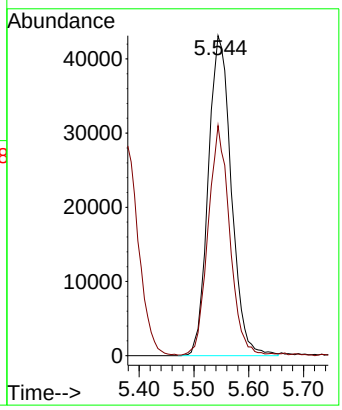


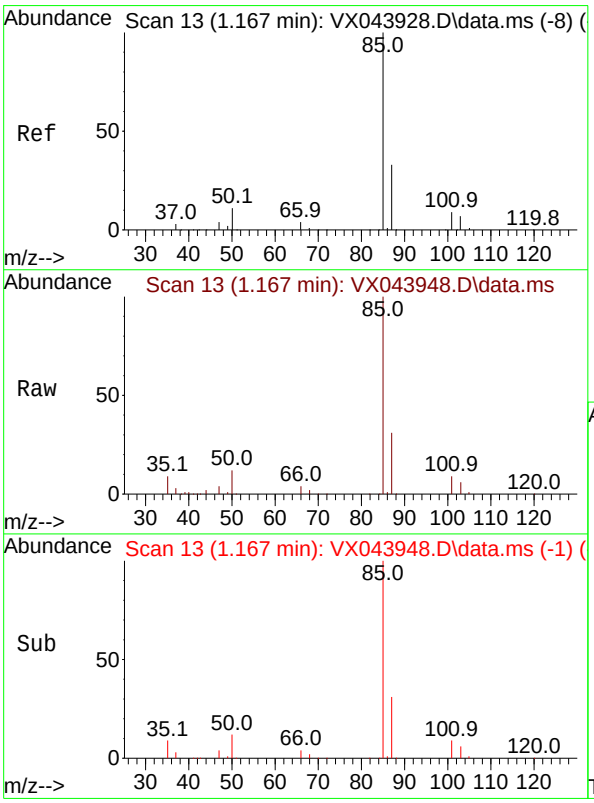

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 125909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 71.7 | 51.8 | 77.8 |

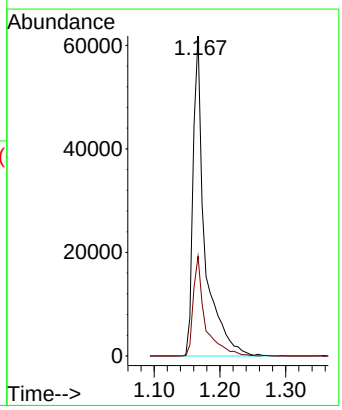


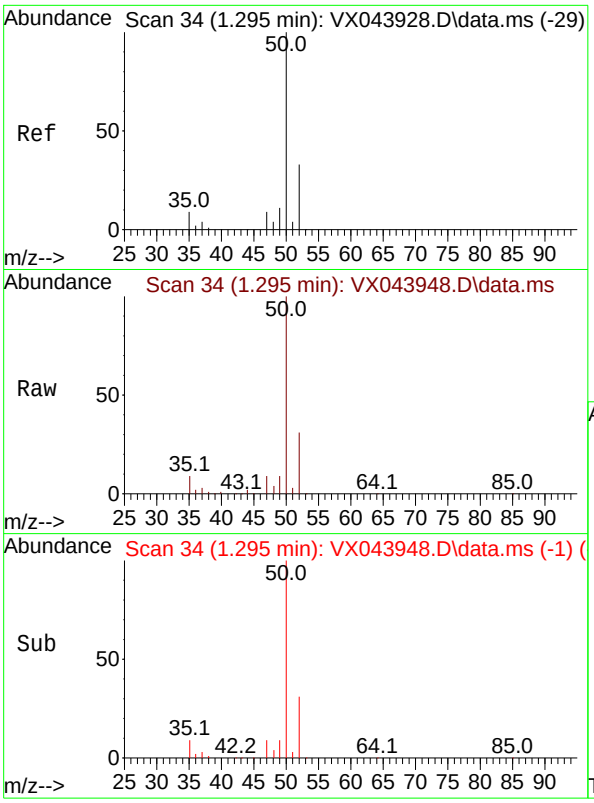




#2
Dichlorodifluoromethane
Concen: 47.904 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 85 Resp: 76410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.2 | 16.6 | 49.8 |



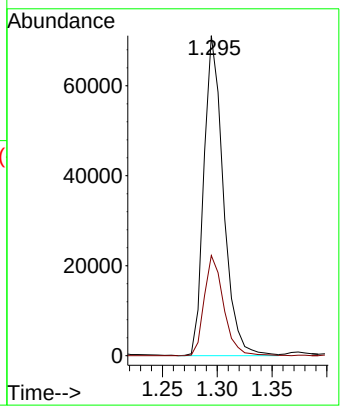


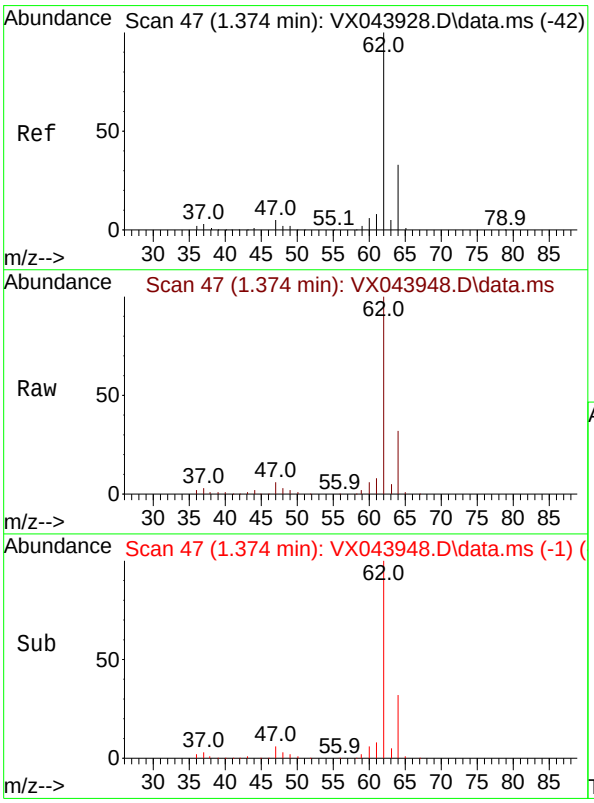

#3
Chloromethane
Concen: 52.257 ug/l
RT: 1.295 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 87713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.3 | 26.1 | 39.1 |

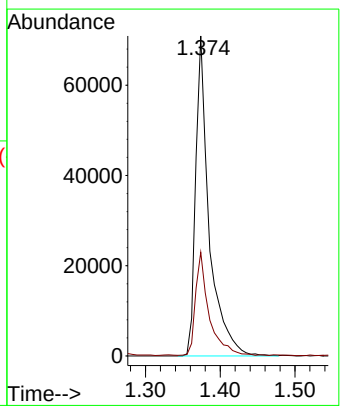


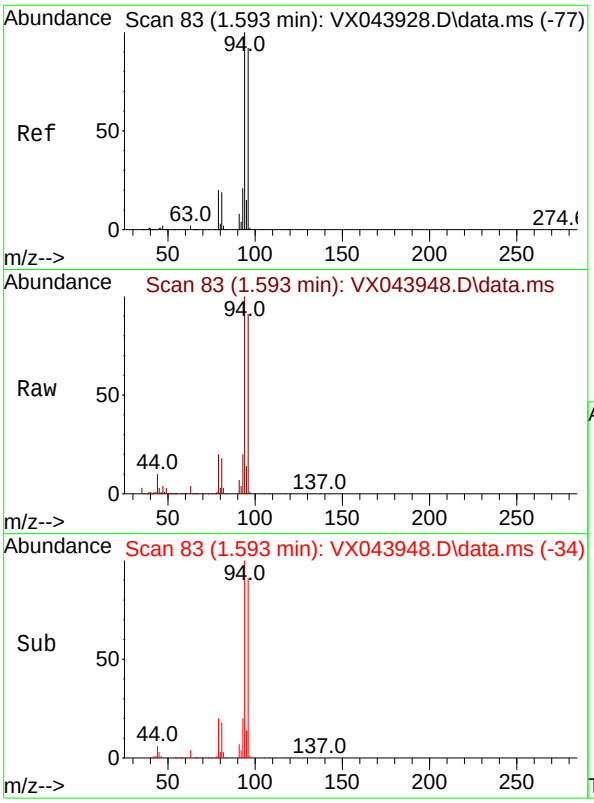




#4
Vinyl Chloride
Concen: 49.757 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 62 Resp: 88832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.2 | 26.2 | 39.4 |



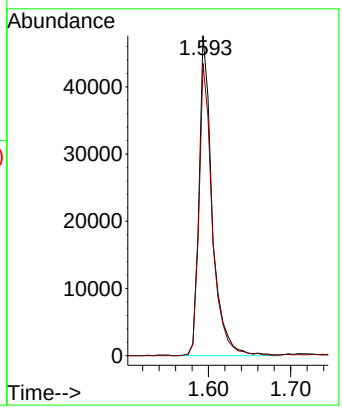


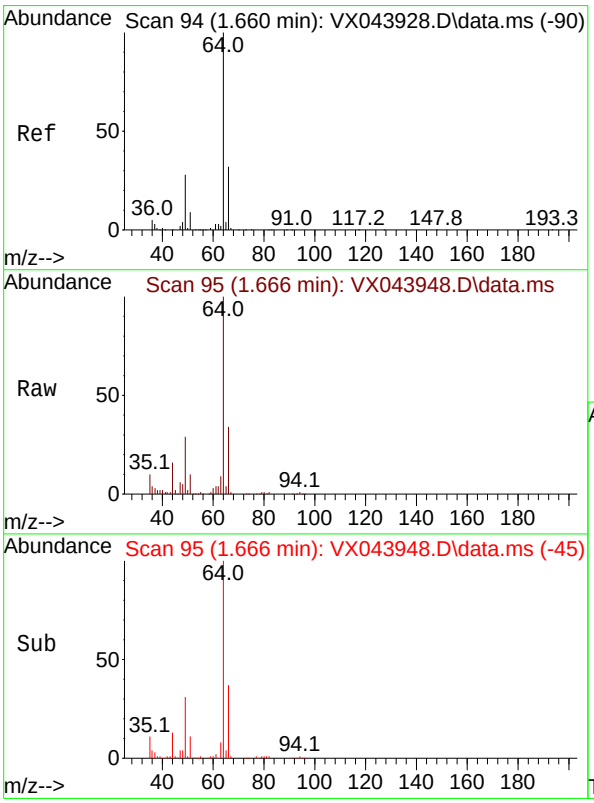

#5
Bromomethane
Concen: 48.287 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 53034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.3 | 73.9 | 110.9 |

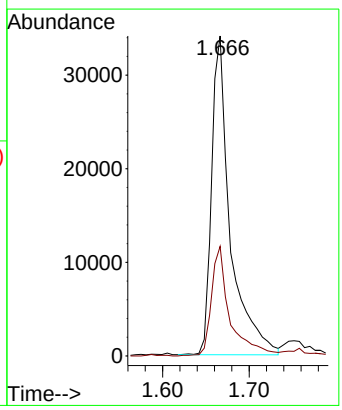


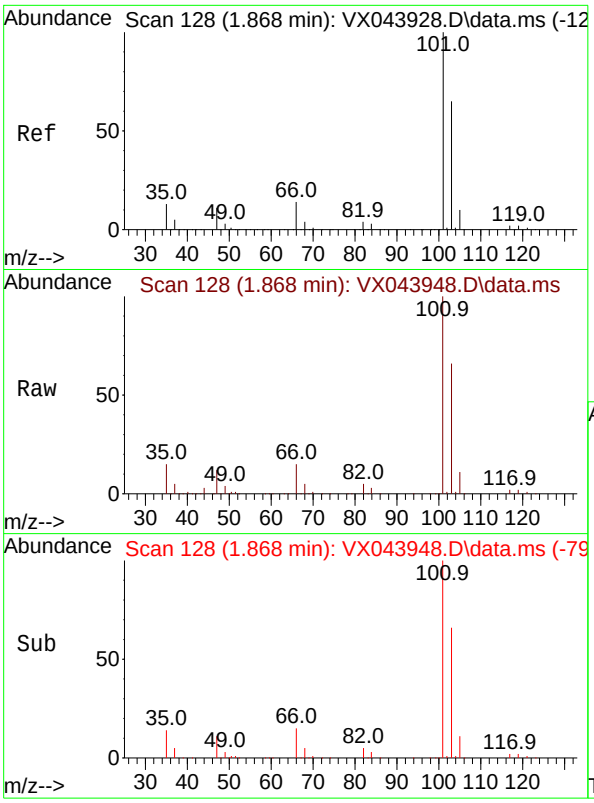




#6
Chloroethane
Concen: 46.701 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 64 Resp: 50804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 34.4 | 25.9 | 38.9 |



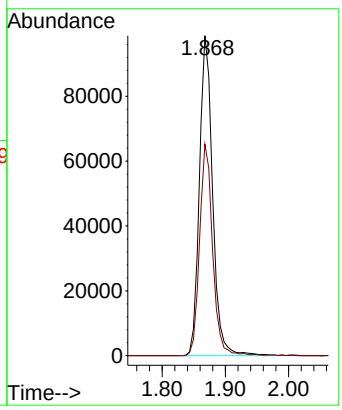


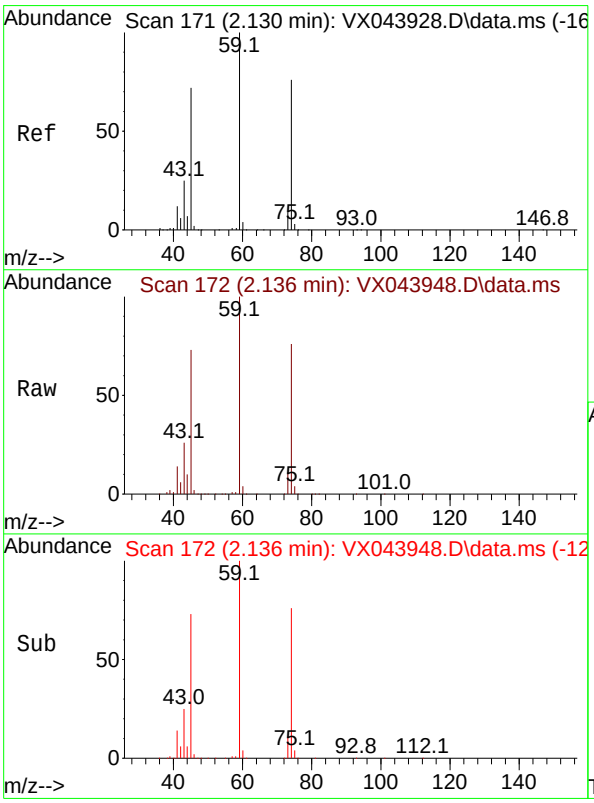

#7
Trichlorofluoromethane
Concen: 45.031 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 143736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 52.2 | 78.2 |

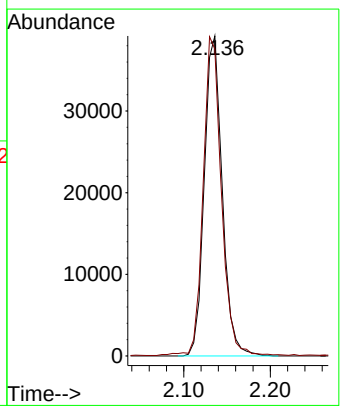


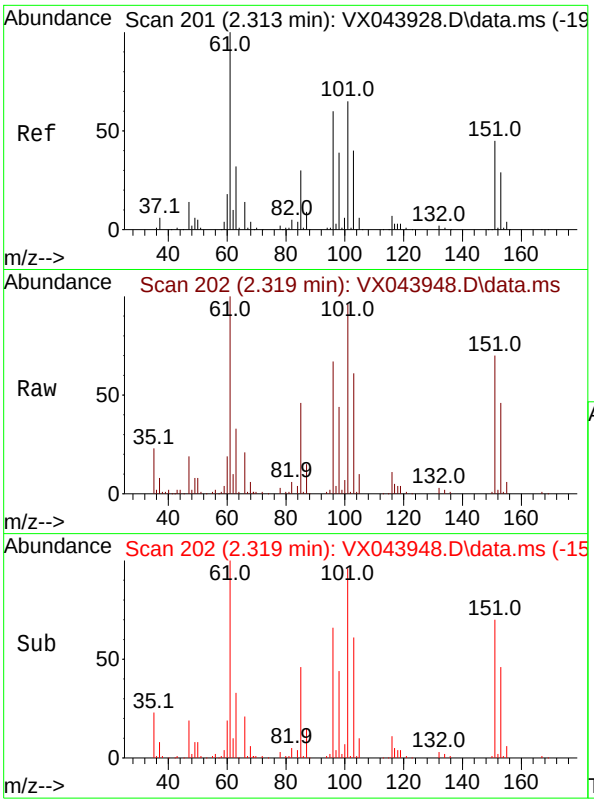




#8
Diethyl Ether
Concen: 48.410 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 74 Resp: 56319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.0 | 47.9 | 143.6 |



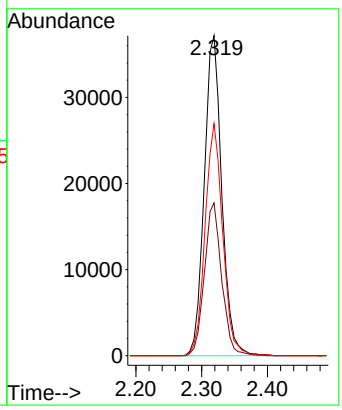


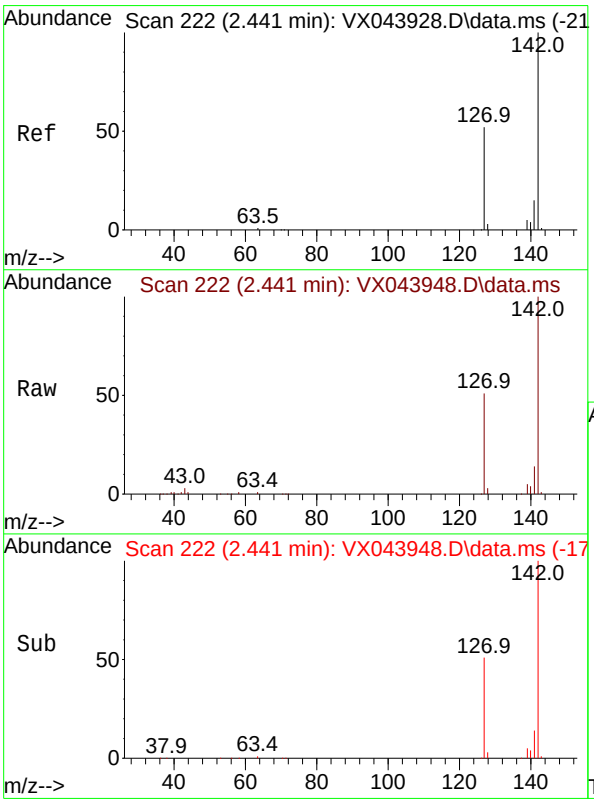

#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.315 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 68994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.0 | 37.9 | 56.9 |
| 151 | 73.1 | 57.5 | 86.3 |

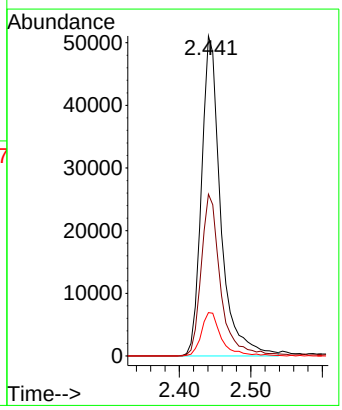


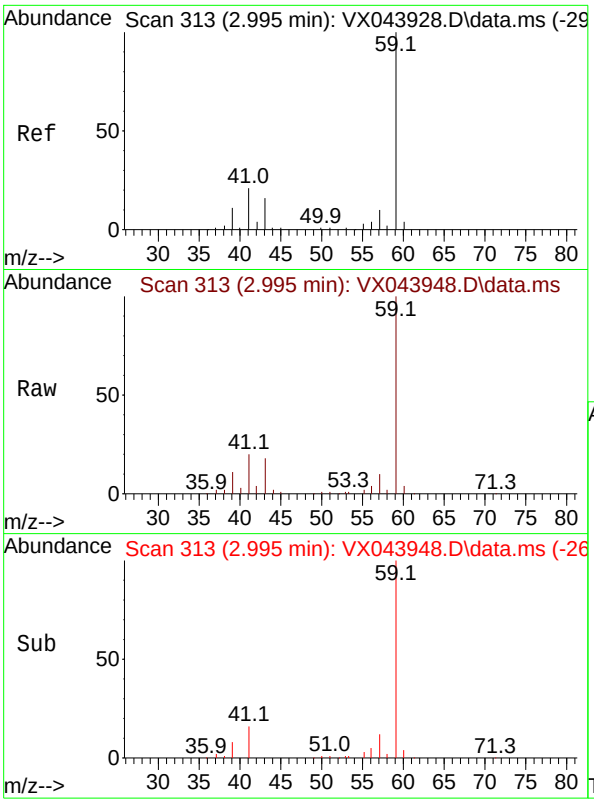




#10
Methyl Iodide
Concen: 50.141 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:142 Resp: 95346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 51.0 | 40.7 | 61.1 |
| 141 | 14.2 | 12.0 | 18.0 |



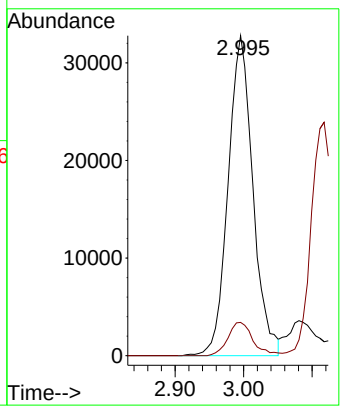


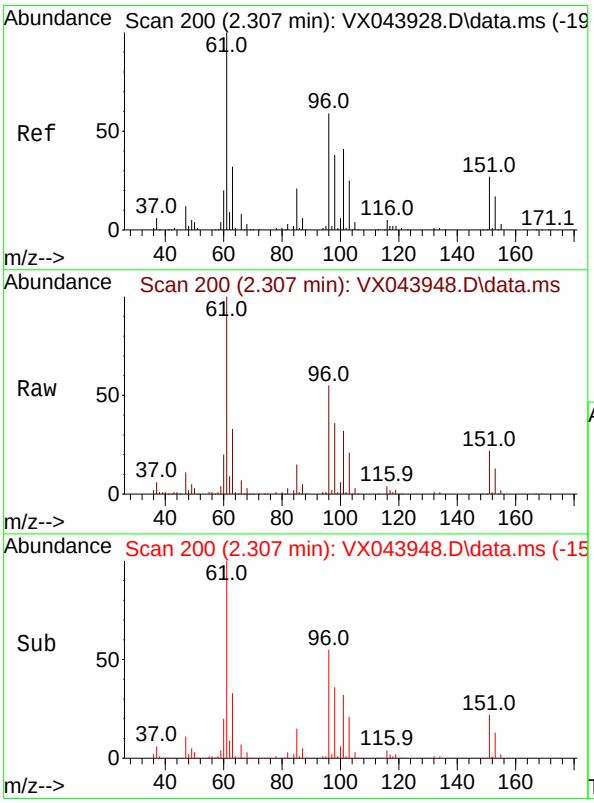

#11
Tert butyl alcohol
Concen: 238.198 ug/l
RT: 2.995 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 82566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.9 | 11.9 |

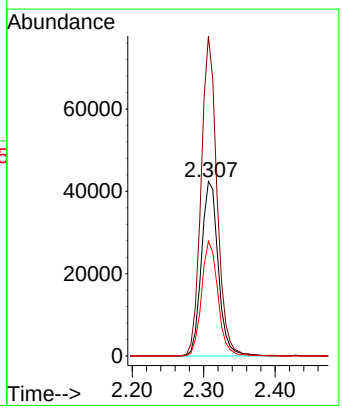


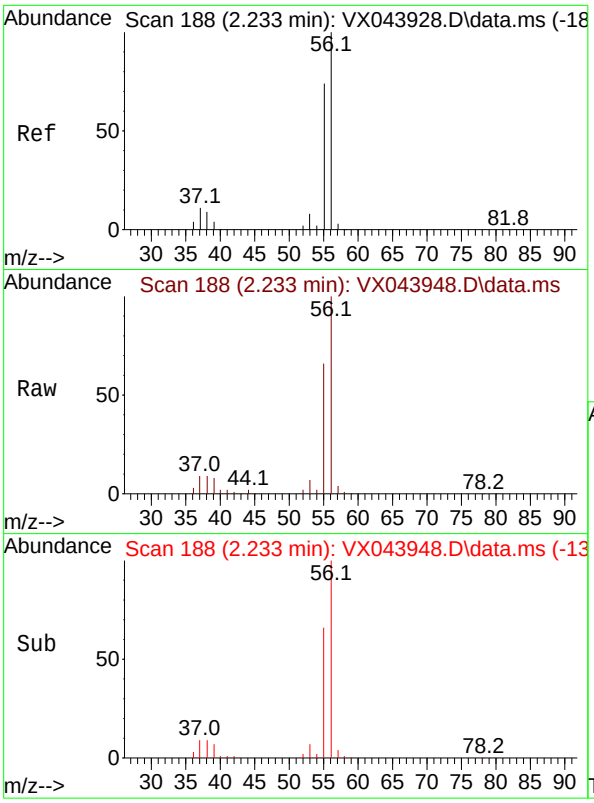




#12
1,1-Dichloroethene
Concen: 47.761 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 96 Resp: 69293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 183.4 | 135.5 | 203.3 |
| 98 | 65.7 | 50.8 | 76.2 |



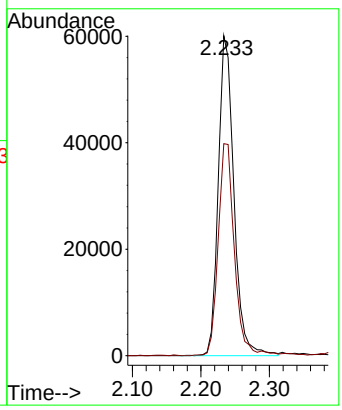


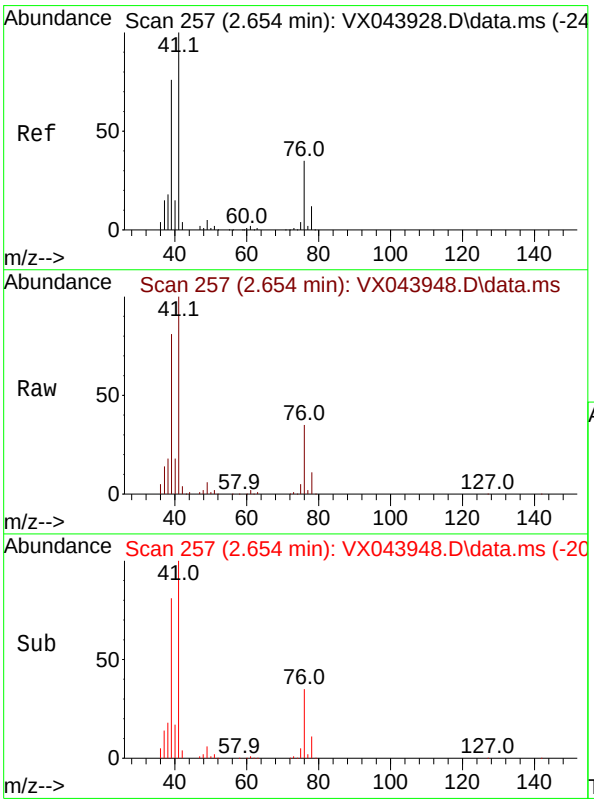

#13
Acrolein
Concen: 259.090 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 94661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 58.2 | 87.2 |

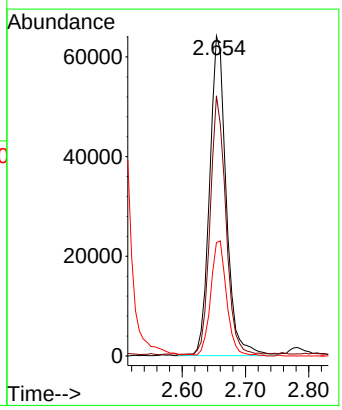


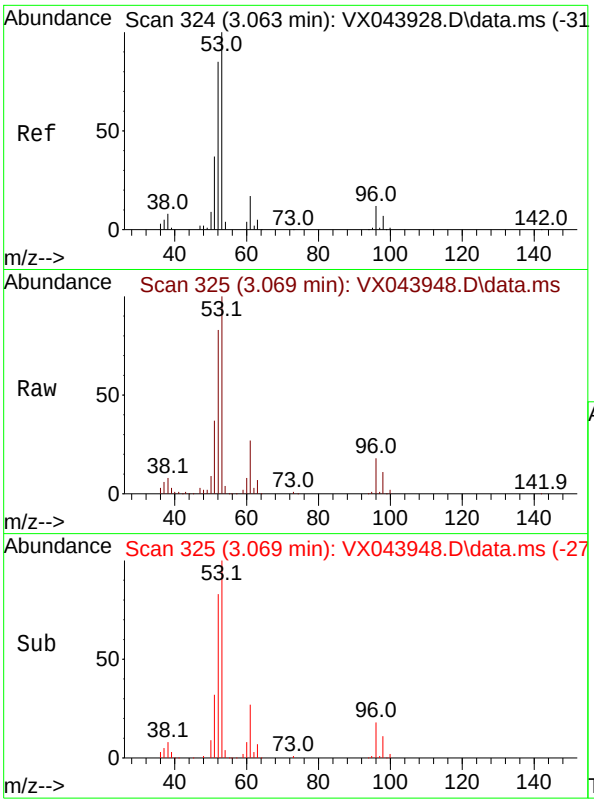




#14
Allyl chloride
Concen: 49.631 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 41 Resp: 117658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 75.4 | 59.5 | 89.3 |
| 76 | 34.4 | 27.4 | 41.2 |



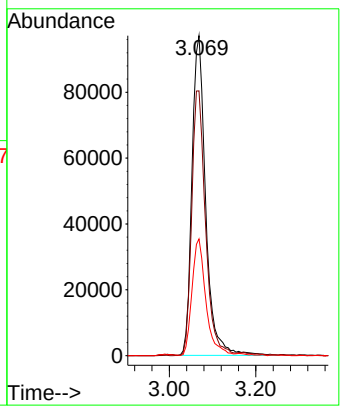


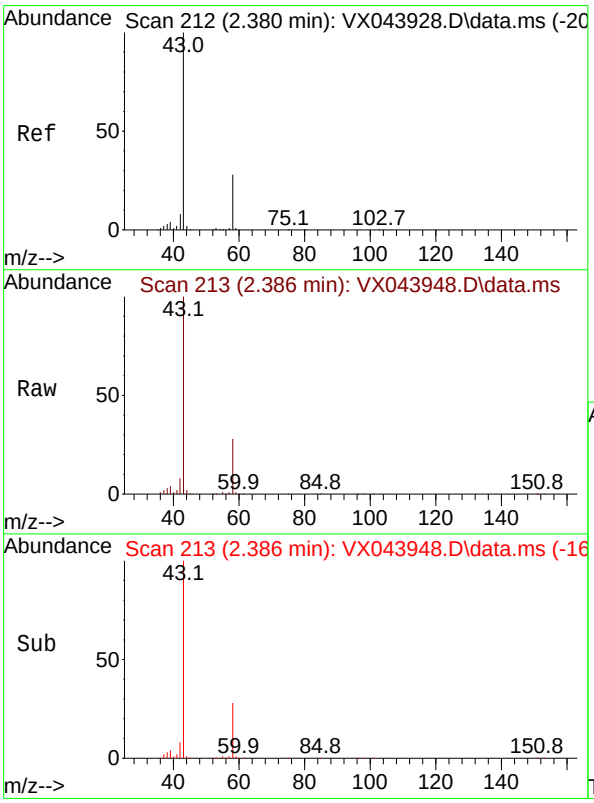

#15
Acrylonitrile
Concen: 253.290 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 213956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.3 | 66.5 | 99.7 |
| 51 | 36.9 | 30.2 | 45.4 |

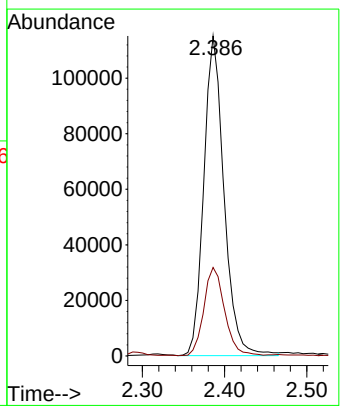


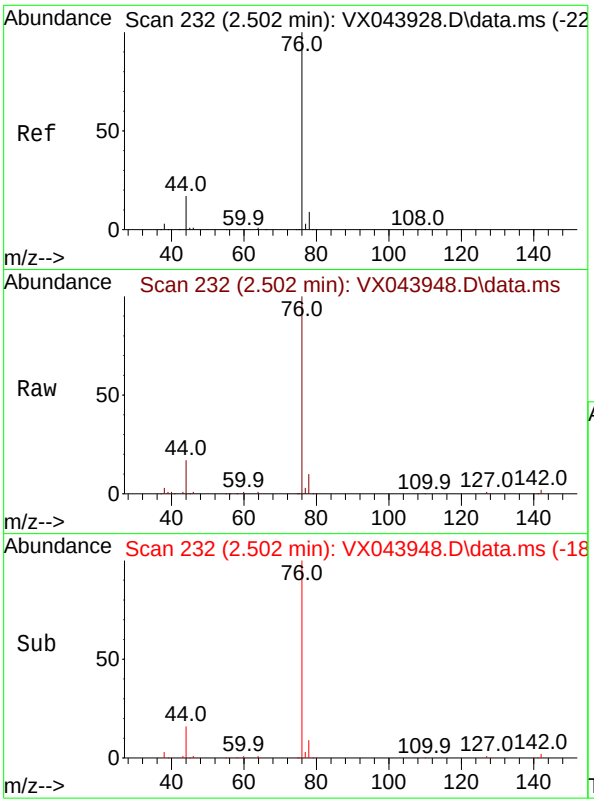




#16
Acetone
Concen: 198.241 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 196628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 22.7 | 34.1 |



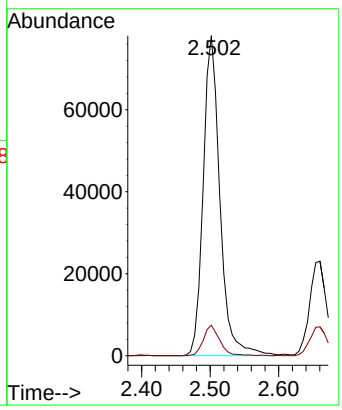


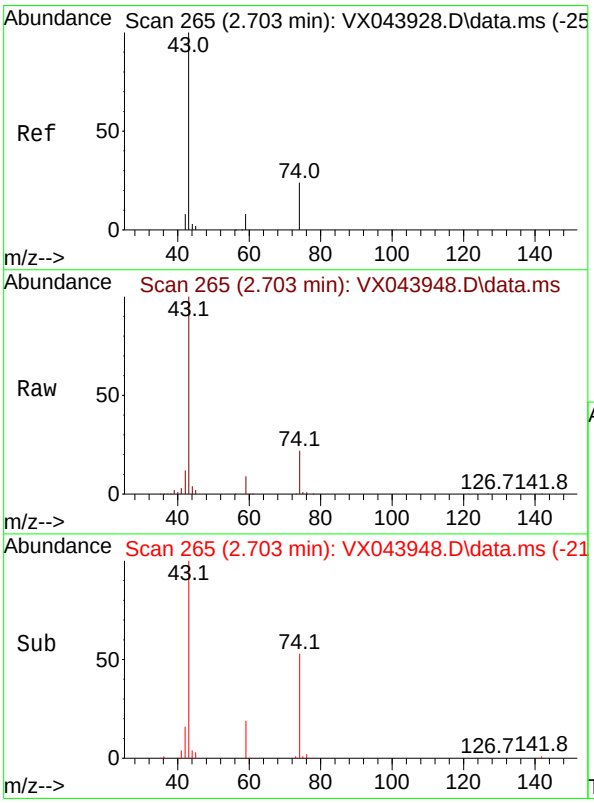

#17
Carbon Disulfide
Concen: 44.323 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 132646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.0 | 10.6 |

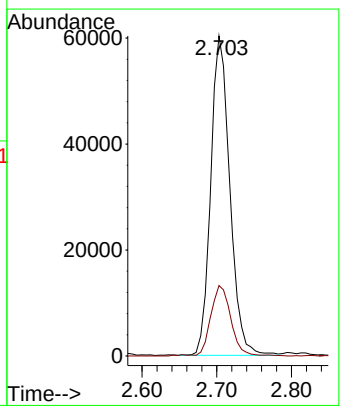


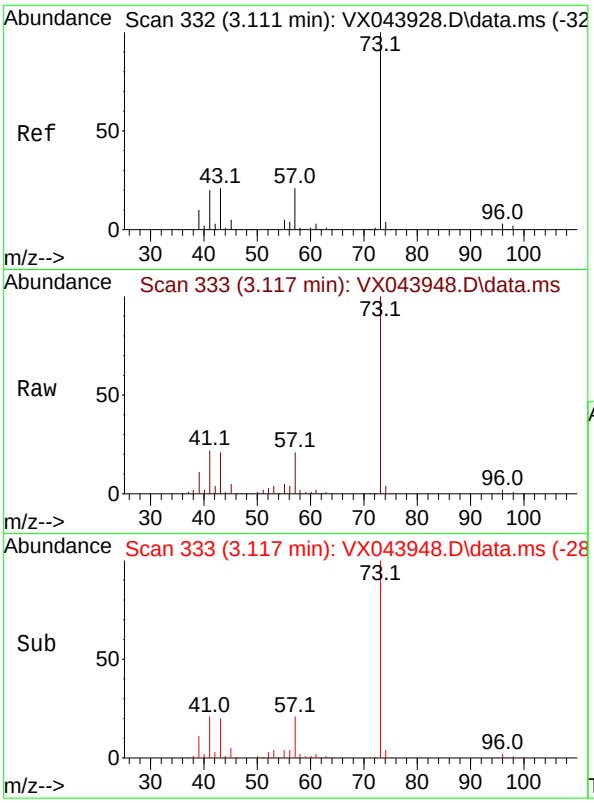




#18
Methyl Acetate
Concen: 46.317 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 106984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.2 | 18.9 | 28.3 |



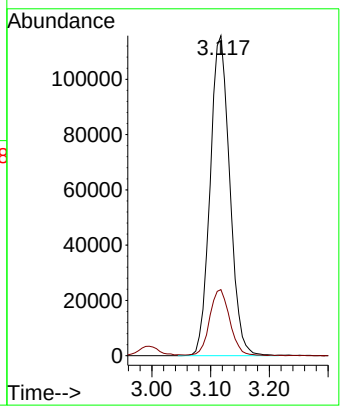


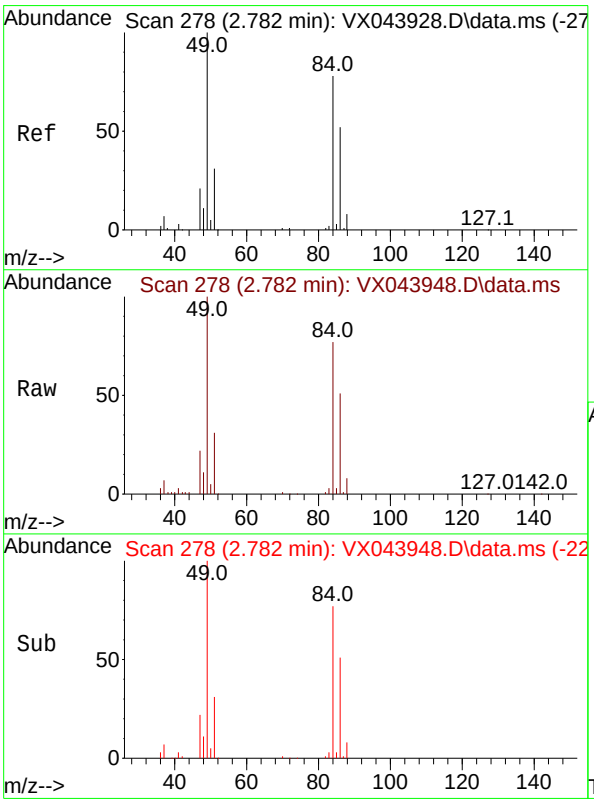

#19
Methyl tert-butyl Ether
Concen: 50.856 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 267907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.5 | 17.0 | 25.6 |

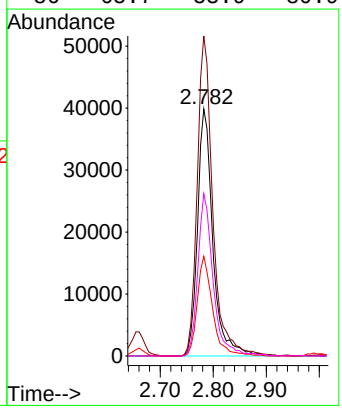


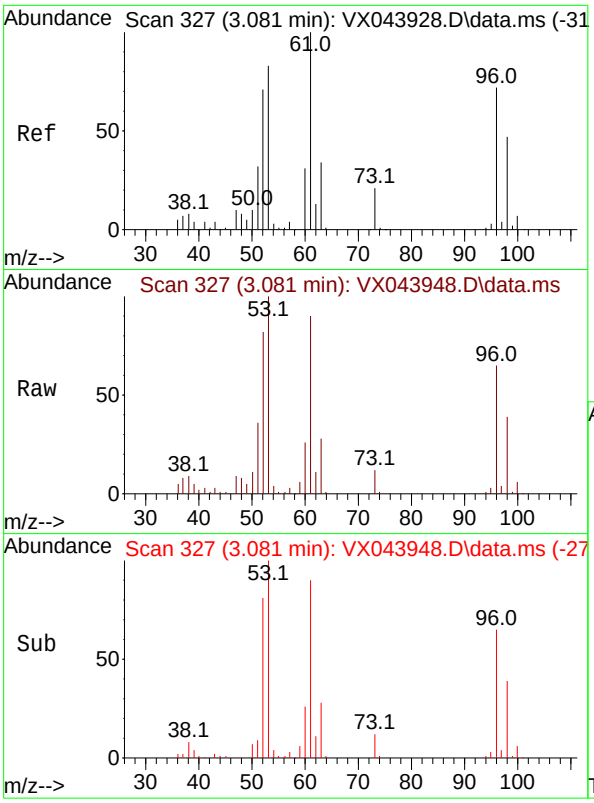




#20
Methylene Chloride
Concen: 47.787 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 84 Resp: 80434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.5 | 102.7 | 154.1 |
| 51 | 40.4 | 31.7 | 47.5 |
| 86 | 65.7 | 53.9 | 80.9 |



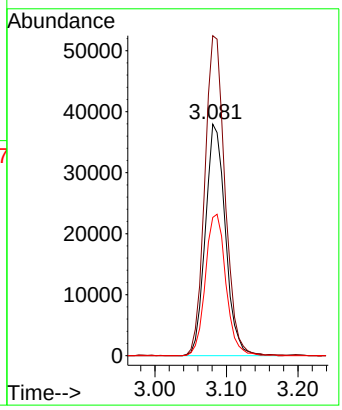


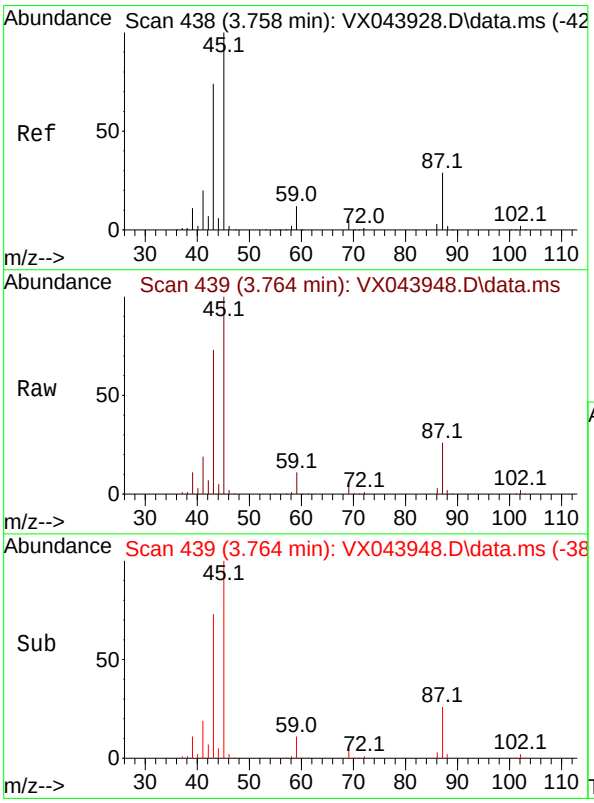

#21
trans-1,2-Dichloroethene
Concen: 49.318 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 73874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.2 | 111.8 | 167.6 |
| 98 | 59.7 | 52.7 | 79.1 |

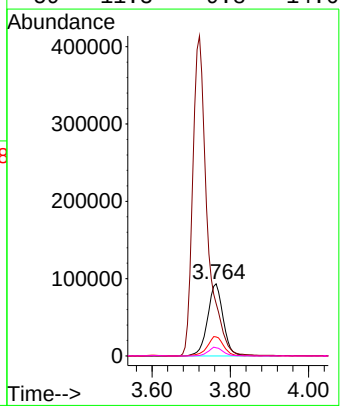


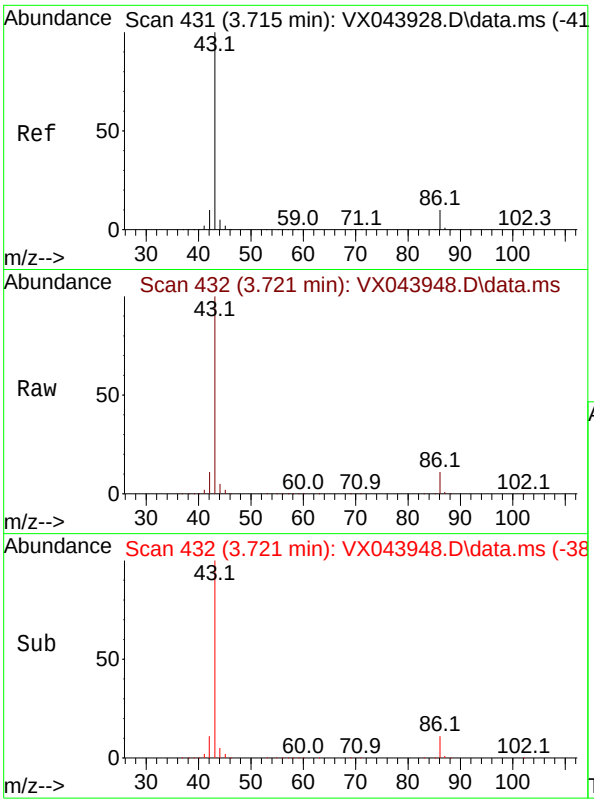




#22
Diisopropyl ether
Concen: 50.776 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 45 Resp: 257394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 72.7 | 59.6 | 89.4 |
| 87 | 26.3 | 22.9 | 34.3 |
| 59 | 11.3 | 9.8 | 14.6 |



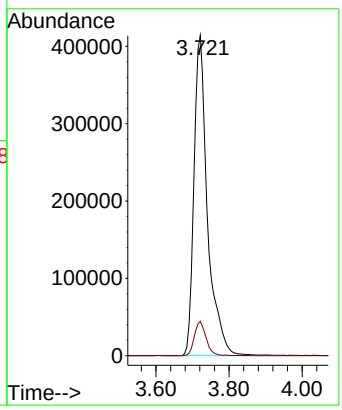


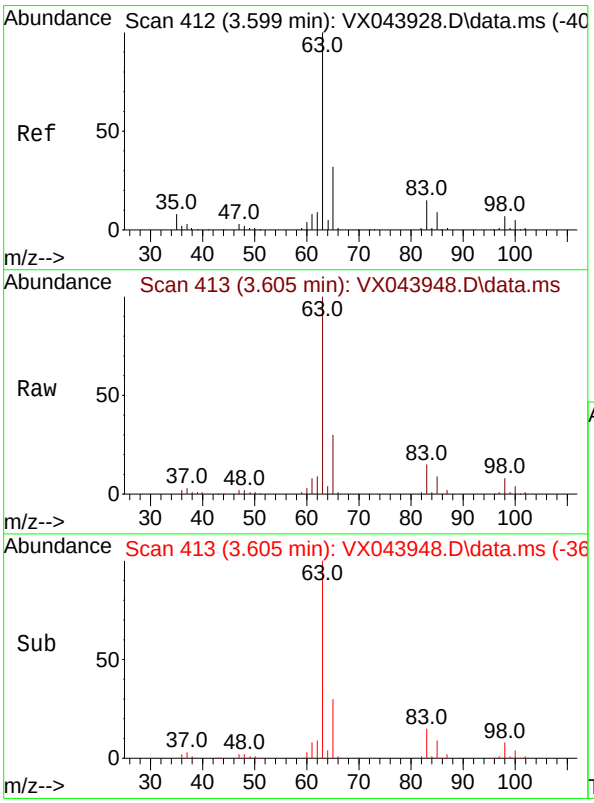

#23
Vinyl Acetate
Concen: 246.967 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1070952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.8 | 8.3 | 12.5 |

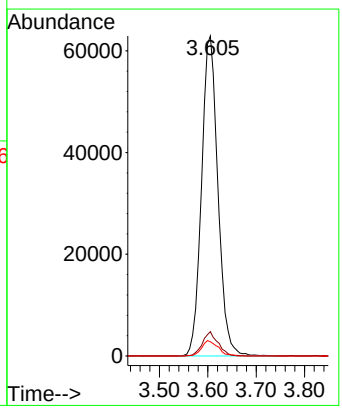


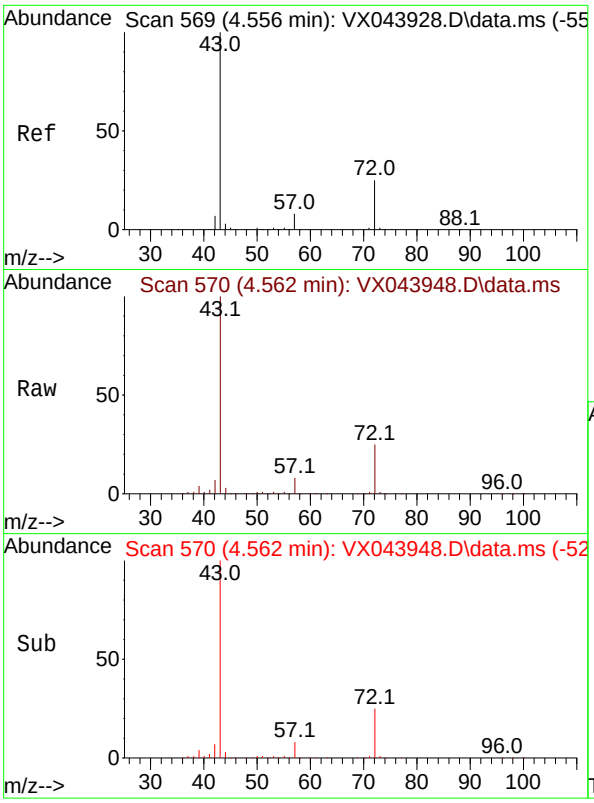




#24
1,1-Dichloroethane
Concen: 50.577 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 63 Resp: 147908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.5 | 10.6 |
| 100 | 4.5 | 2.4 | 7.1 |



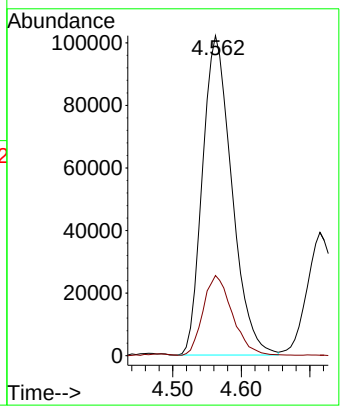


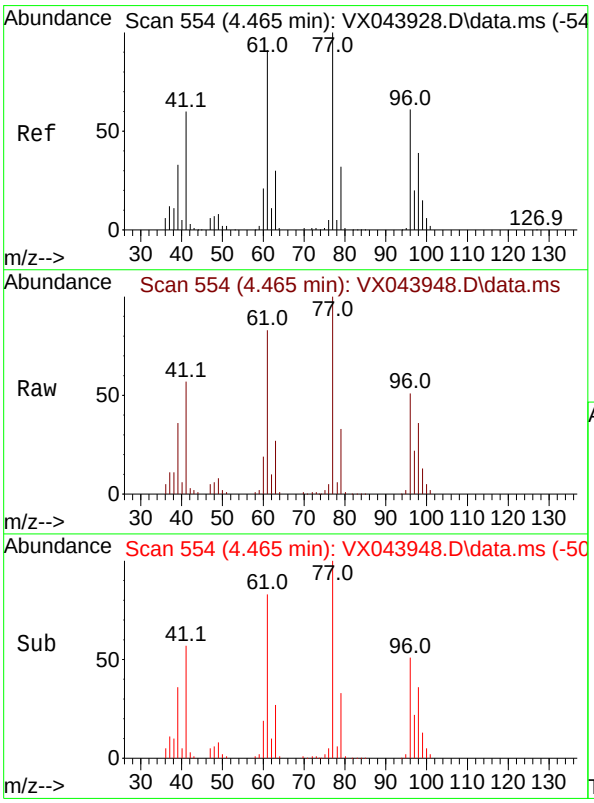

#25
2-Butanone
Concen: 237.298 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 303698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.9 | 20.2 | 30.2 |

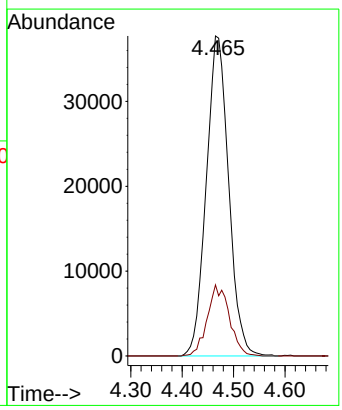


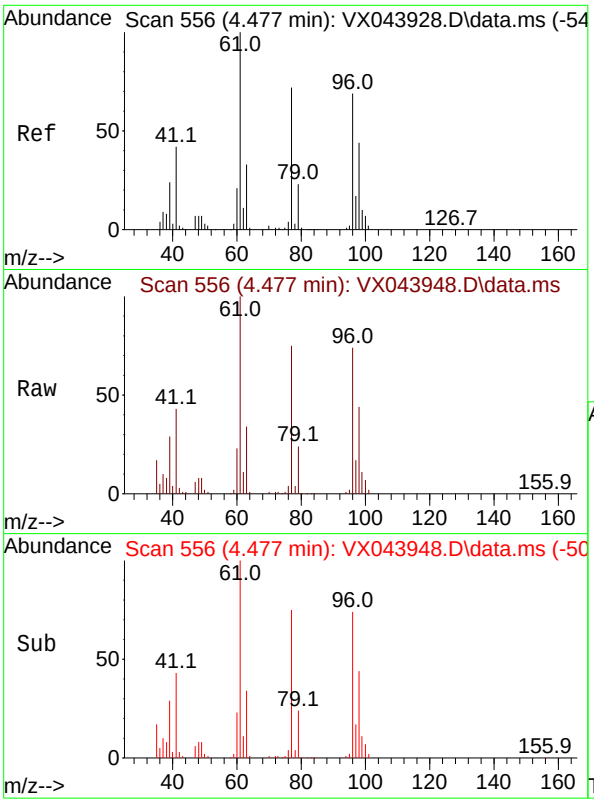




#26
2,2-Dichloropropane
Concen: 43.198 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 77 Resp: 114088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.9 | 10.8 | 32.3 |



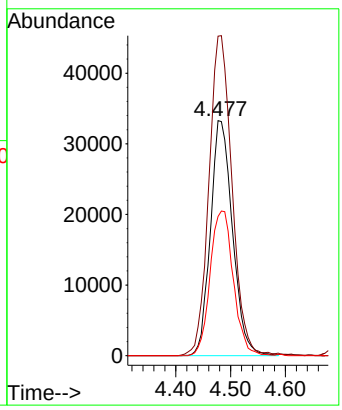


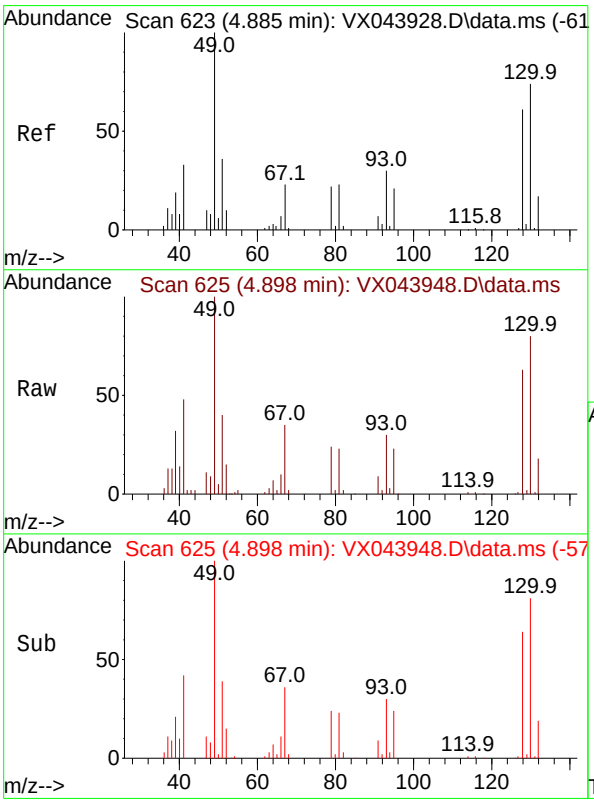

#27
cis-1,2-Dichloroethene
Concen: 50.303 ug/l
RT: 4.477 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 93139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 142.5 | 0.0 | 297.4 |
| 98 | 64.6 | 0.0 | 127.8 |

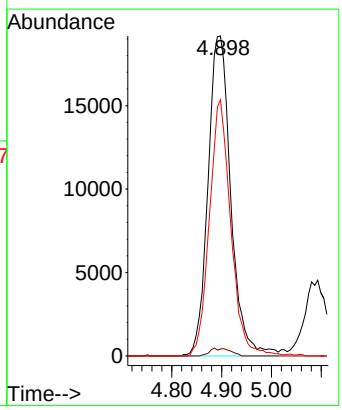


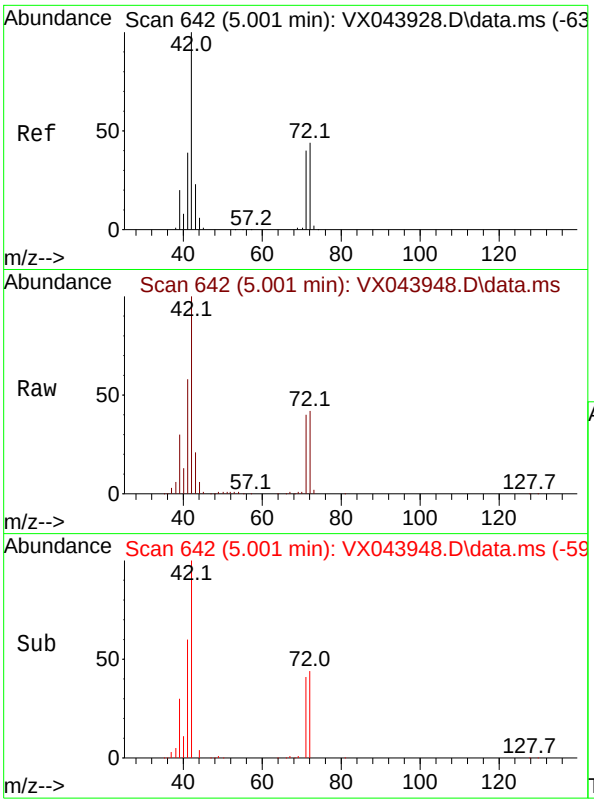




#28
Bromochloromethane
Concen: 47.325 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 49 Resp: 60919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.9 | 0.0 | 4.0 |
| 130 | 75.0 | 59.0 | 88.6 |



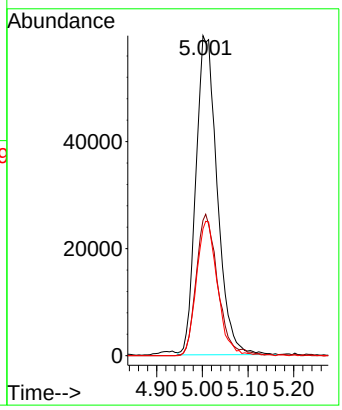


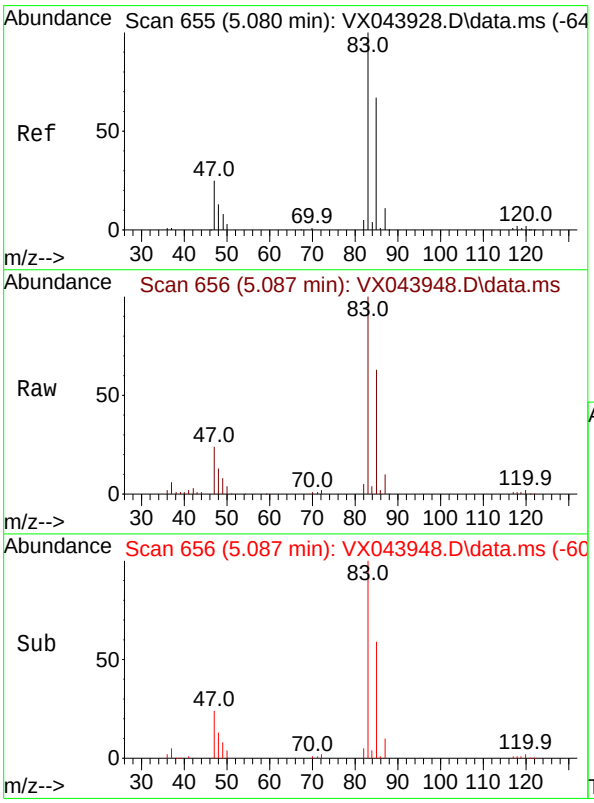

#29
Tetrahydrofuran
Concen: 246.701 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 193564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 36.4 | 54.6 |
| 71 | 41.9 | 33.4 | 50.0 |

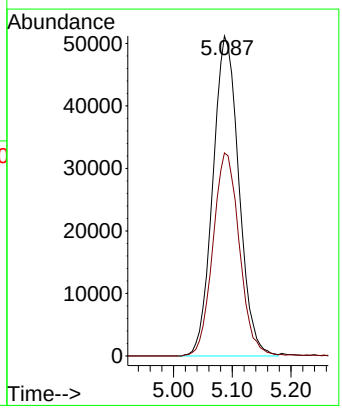


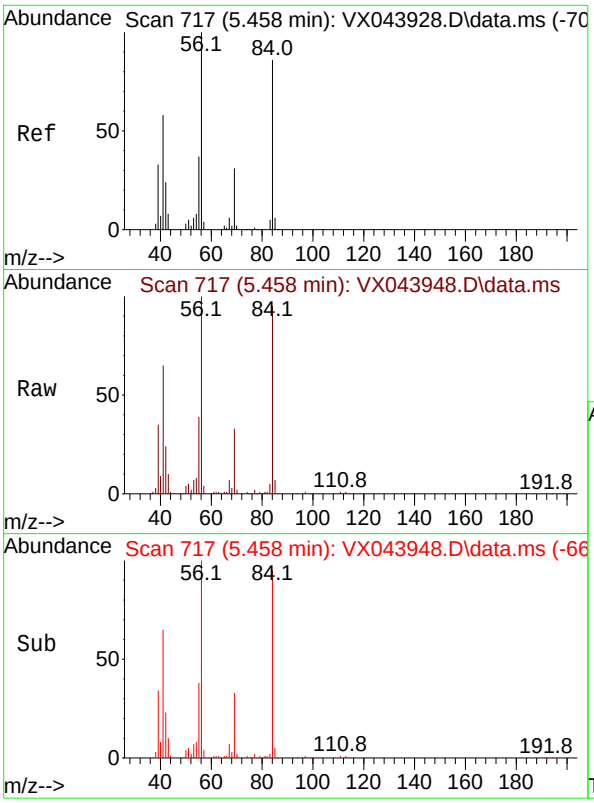




#30
Chloroform
Concen: 50.067 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 157475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.4 | 53.5 | 80.3 |



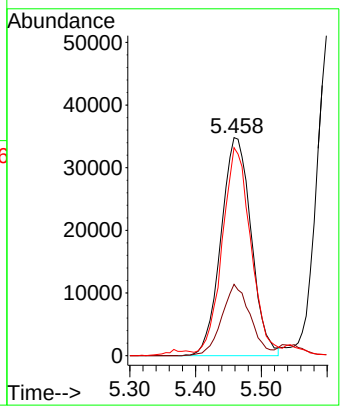


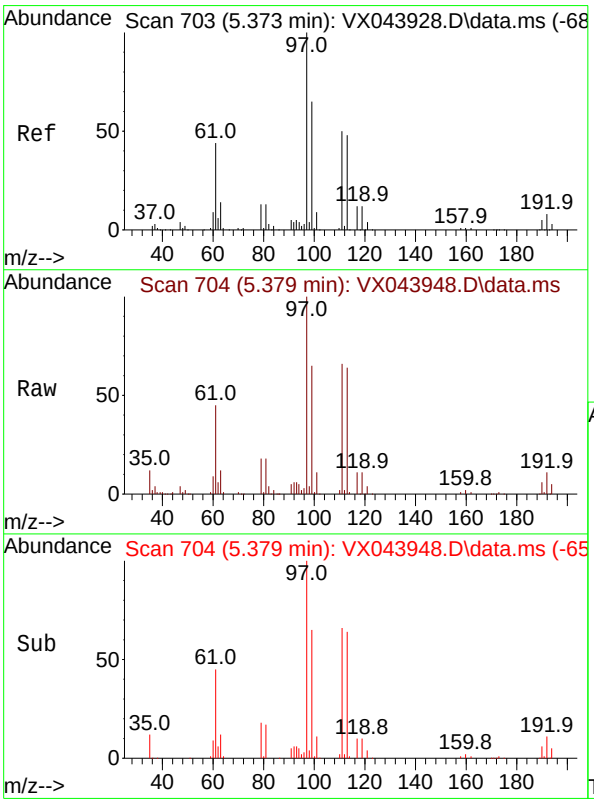

#31
Cyclohexane
Concen: 46.170 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 111126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.7 | 24.7 | 37.1 |
| 84 | 93.4 | 68.7 | 103.1 |

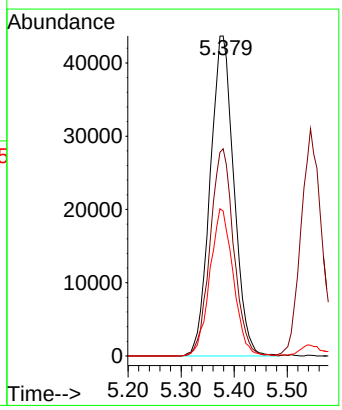


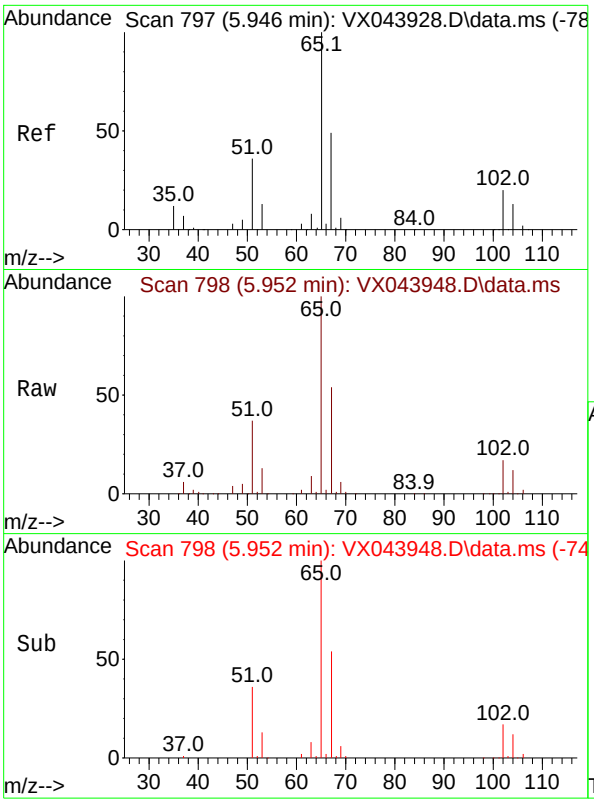




#32
1,1,1-Trichloroethane
Concen: 50.058 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 97 Resp: 135776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.4 | 50.8 | 76.2 |
| 61 | 45.4 | 35.4 | 53.2 |



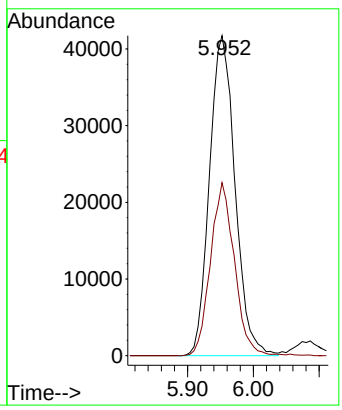


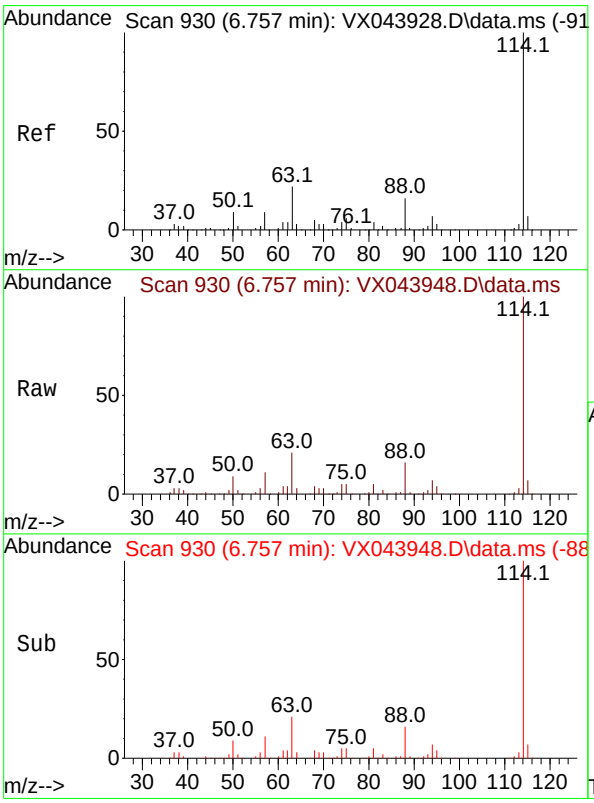

#33
1,2-Dichloroethane-d4
Concen: 52.331 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 113011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 100.8 |

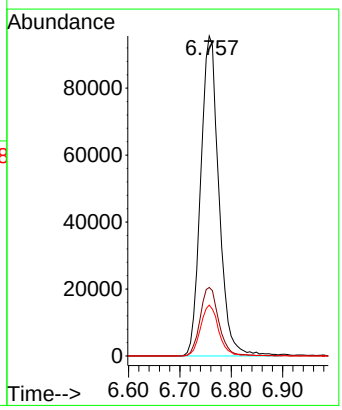


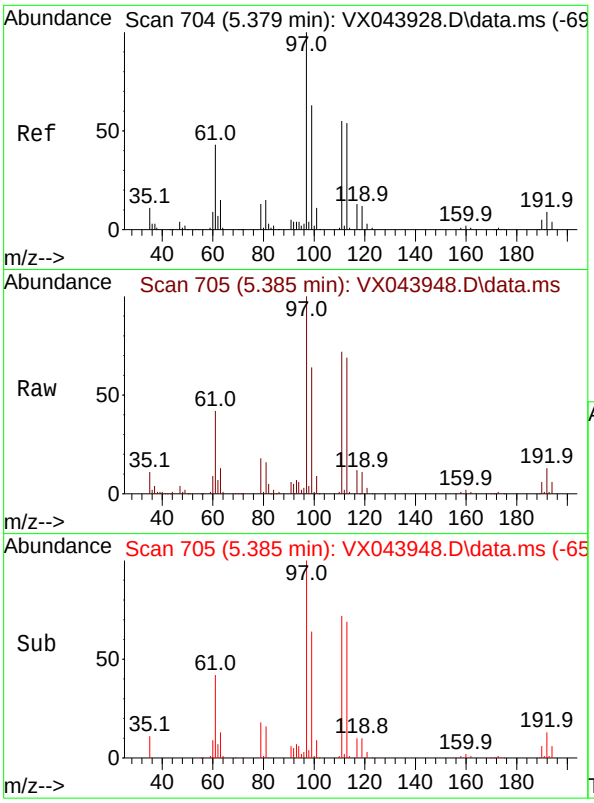




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:114 Resp: 235228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 32.4 |



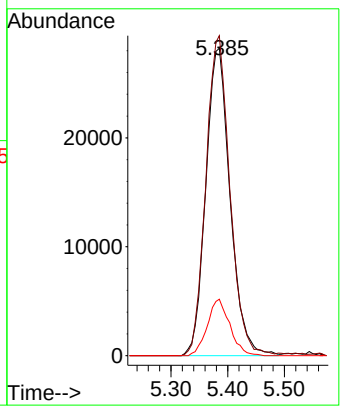


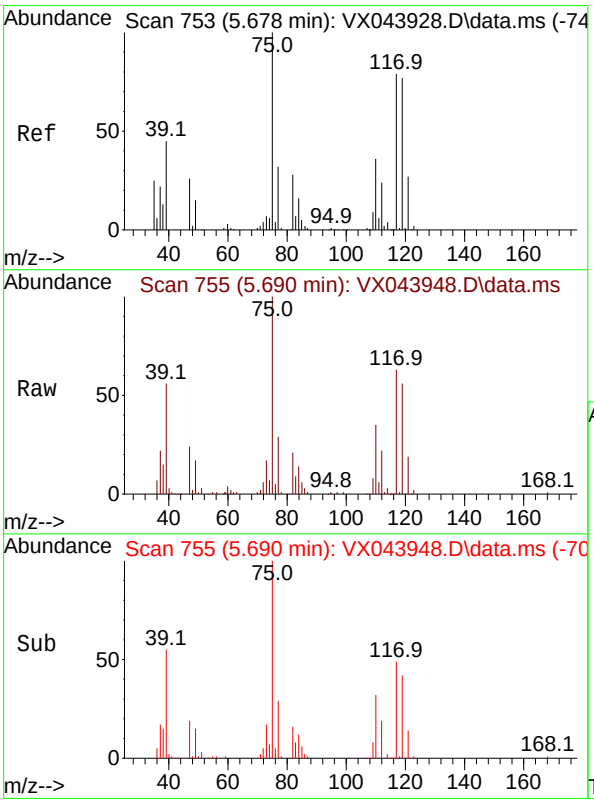

#35
Dibromofluoromethane
Concen: 49.962 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 83978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.8 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |

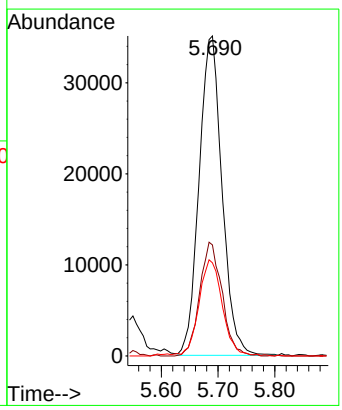


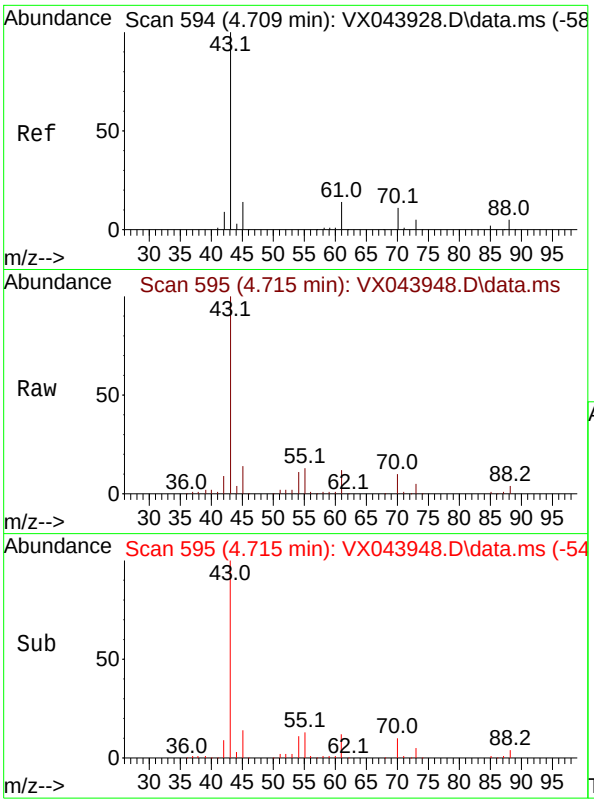




#36
1,1-Dichloropropene
Concen: 47.024 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.012 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 98493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 17.4 | 52.2 |
| 77 | 30.8 | 25.8 | 38.8 |



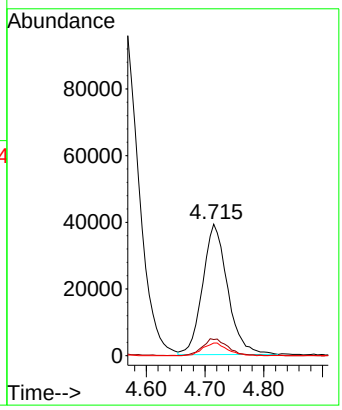


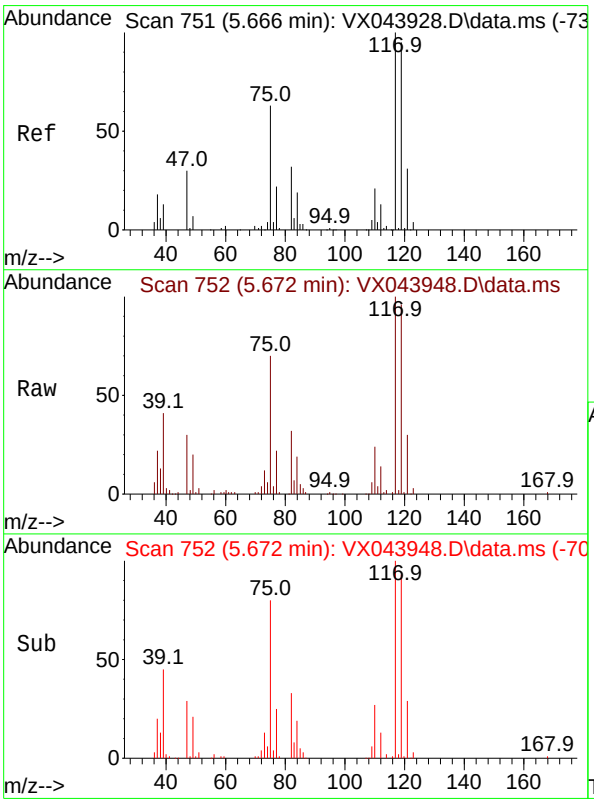

#37
Ethyl Acetate
Concen: 44.407 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 115457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 10.7 | 16.1 |
| 70 | 9.5 | 8.0 | 12.0 |

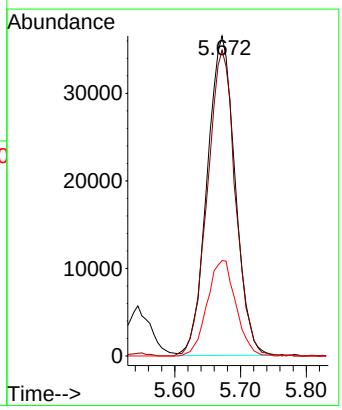


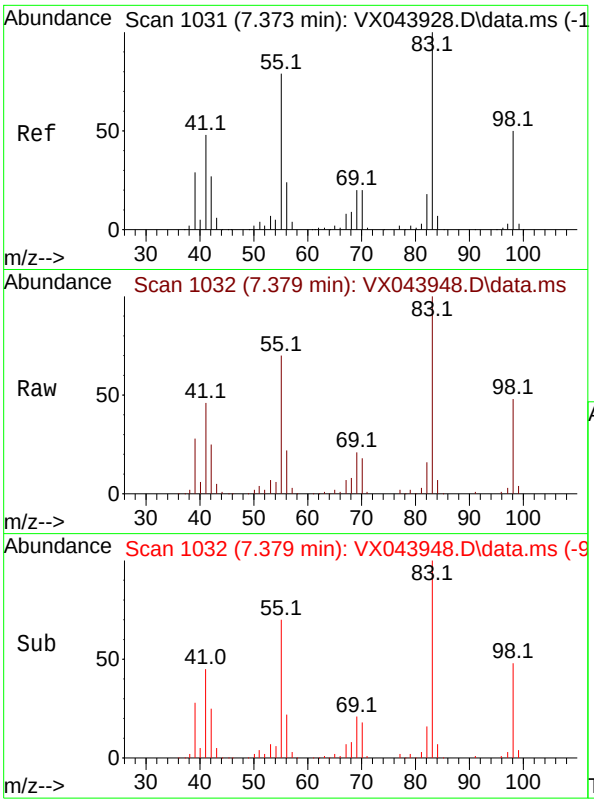




#38
Carbon Tetrachloride
Concen: 45.803 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:117 Resp: 107796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.5 | 75.2 | 112.8 |
| 121 | 29.9 | 24.5 | 36.7 |



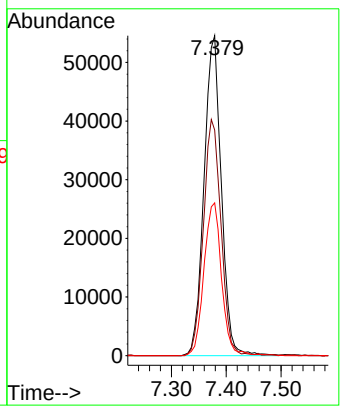


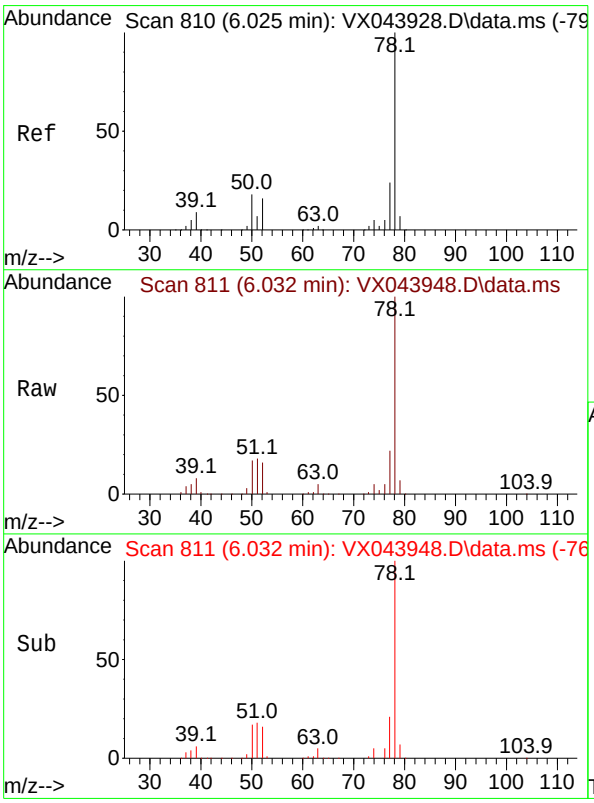

#39
Methylcyclohexane
Concen: 43.844 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 119300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 70.5 | 63.1 | 94.7 |
| 98 | 47.8 | 40.0 | 60.0 |

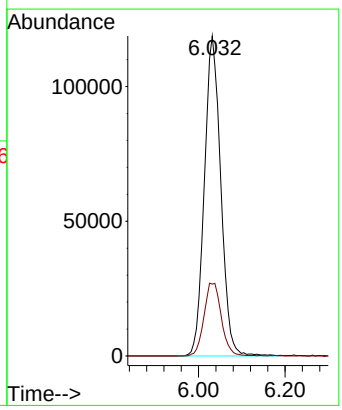


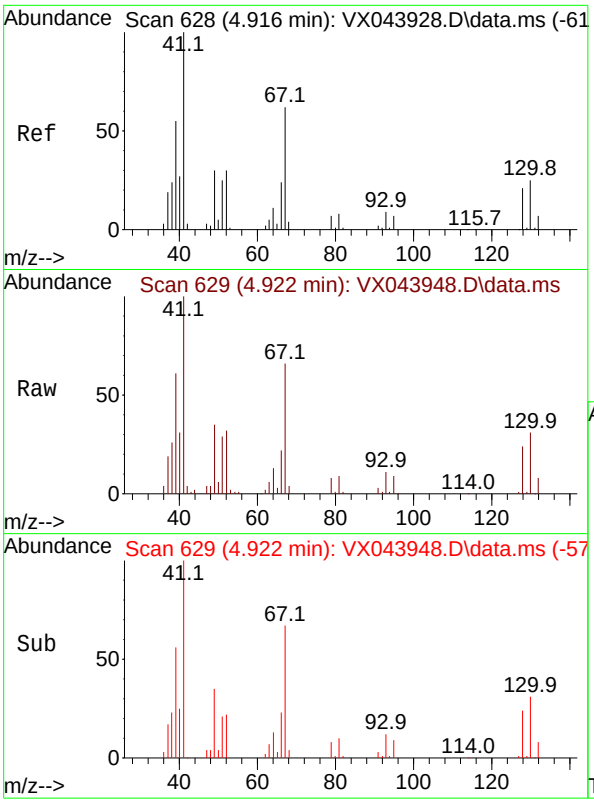




#40
Benzene
Concen: 47.897 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 78 Resp: 312491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 19.2 | 28.8 |



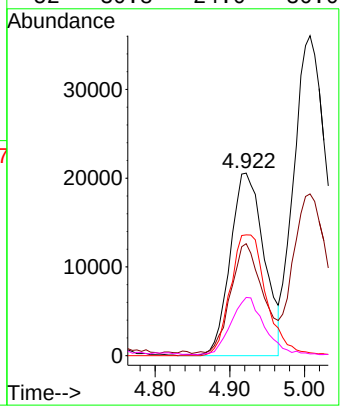


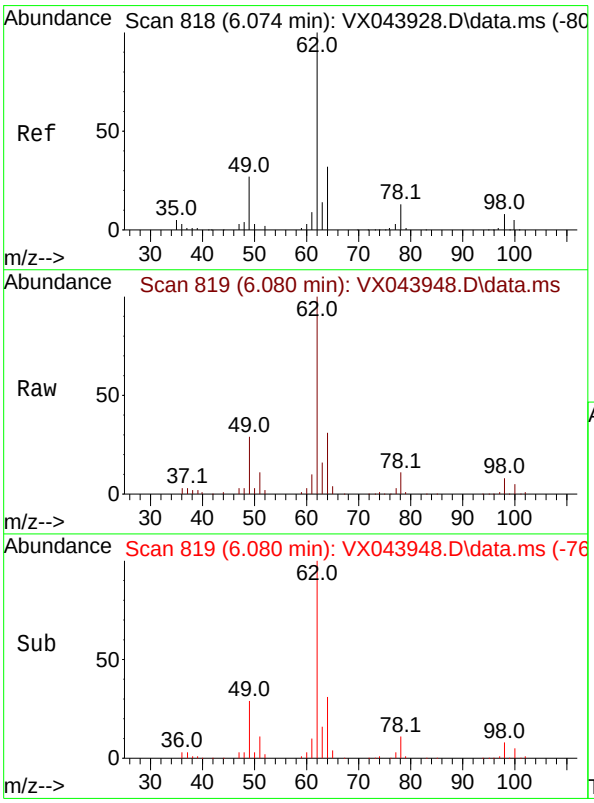

#41
Methacrylonitrile
Concen: 48.819 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 64964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.5 | 41.7 | 62.5 |
| 67 | 70.3 | 55.8 | 83.8 |
| 52 | 30.8 | 24.0 | 36.0 |

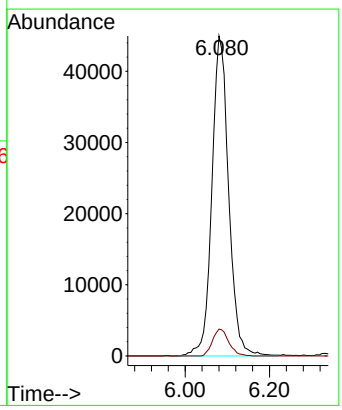


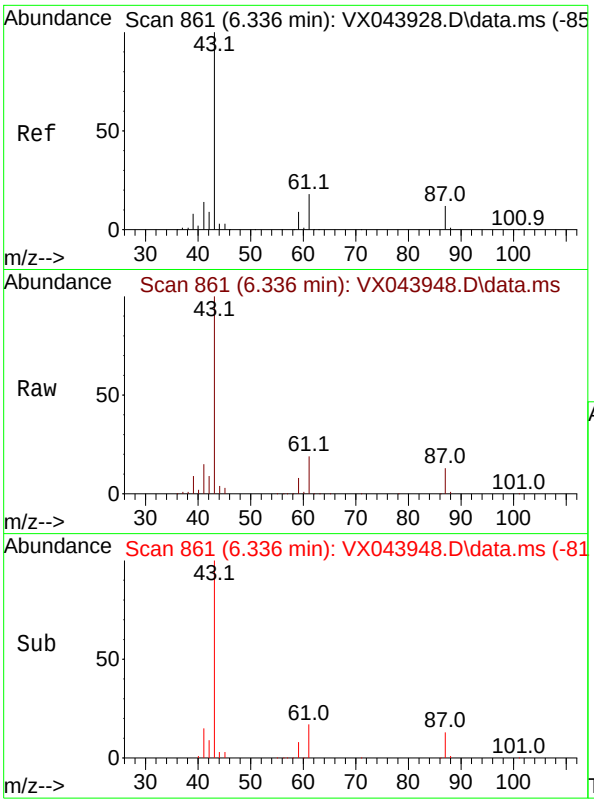




#42
1,2-Dichloroethane
Concen: 47.383 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 62 Resp: 124156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.2 | 0.0 | 16.4 |



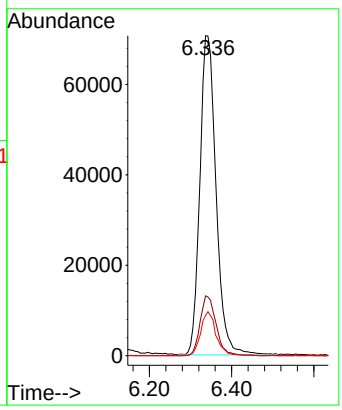


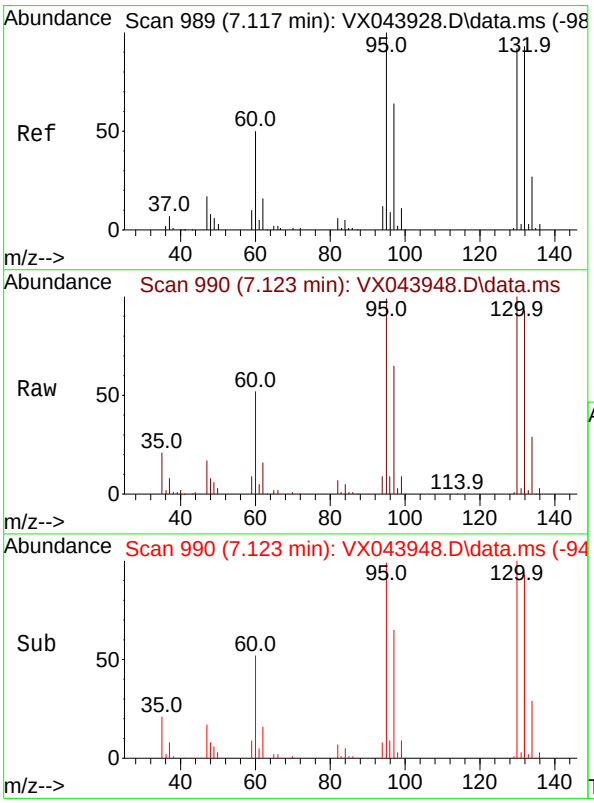

#43
Isopropyl Acetate
Concen: 46.698 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 193221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.5 | 21.7 |
| 87 | 13.1 | 10.2 | 15.2 |

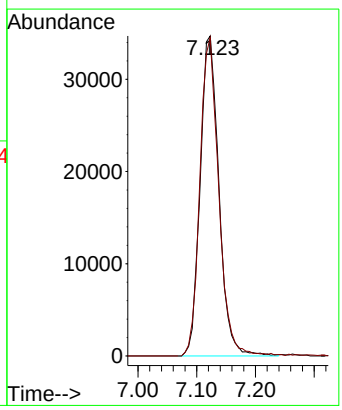


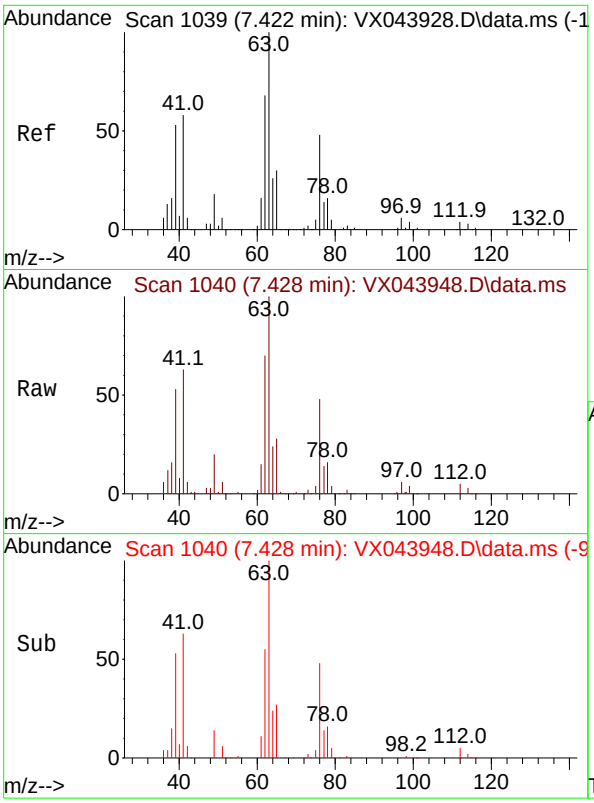




#44
Trichloroethene
Concen: 41.669 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:130 Resp: 76959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.5 | 0.0 | 217.8 |



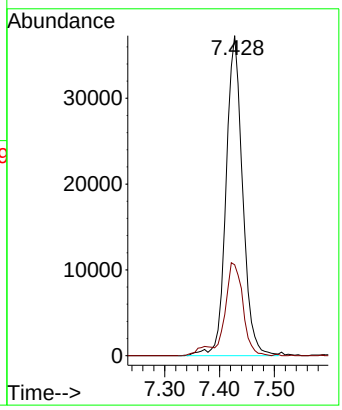


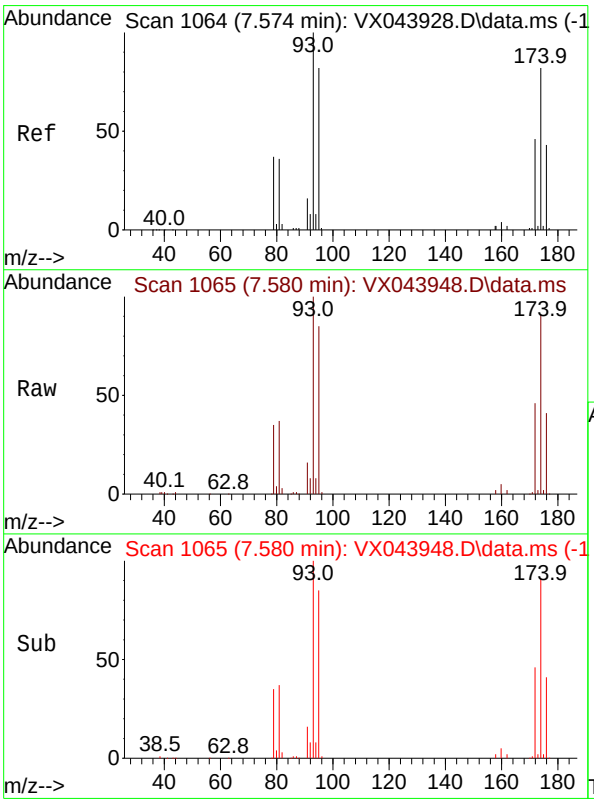

#45
1,2-Dichloropropane
Concen: 49.052 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 78382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 28.4 | 23.8 | 35.6 |

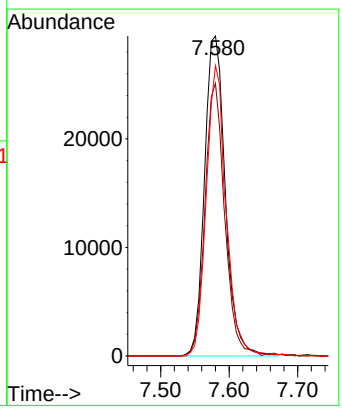


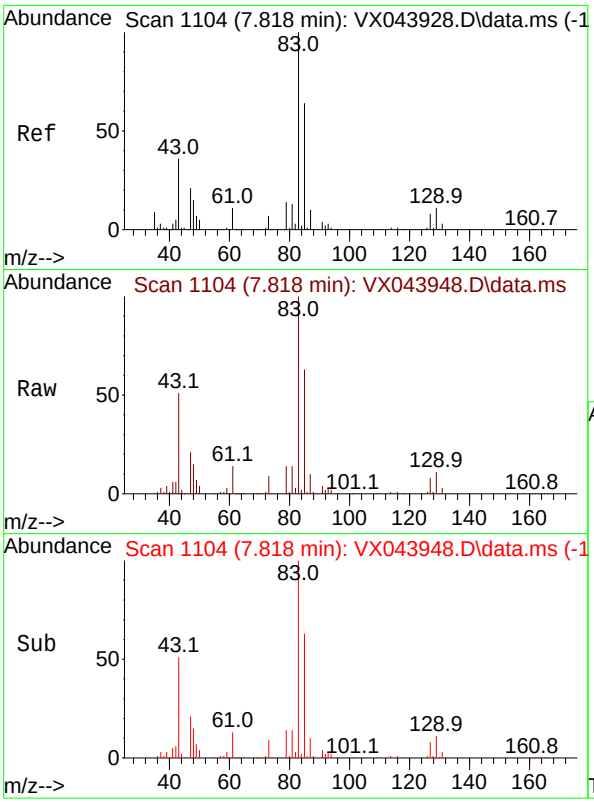




#46
Dibromomethane
Concen: 49.158 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 93 Resp: 62137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 80.9 | 66.2 | 99.4 |
| 174 | 86.5 | 69.6 | 104.4 |



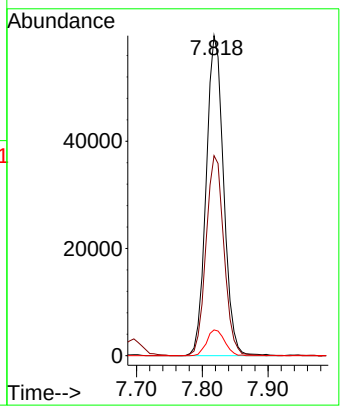


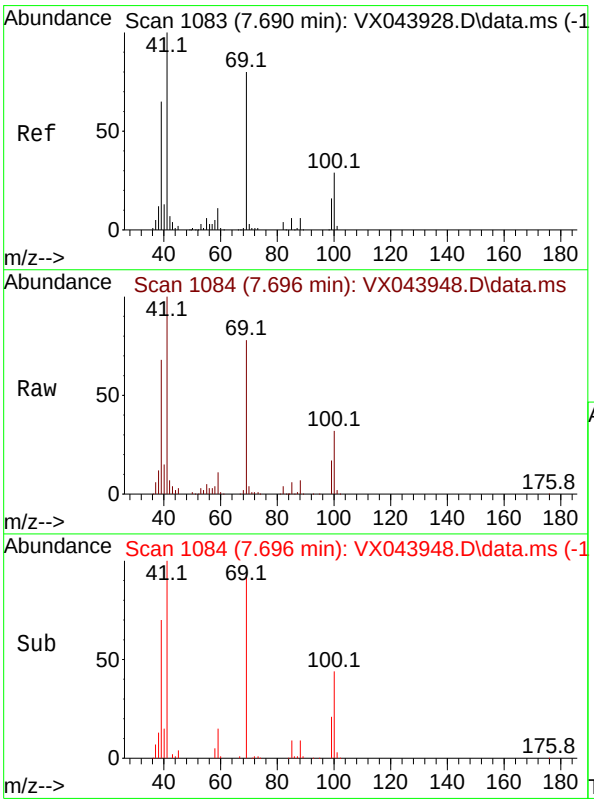

#47
Bromodichloromethane
Concen: 48.549 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 110061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.4 | 77.0 |
| 127 | 8.1 | 6.6 | 10.0 |

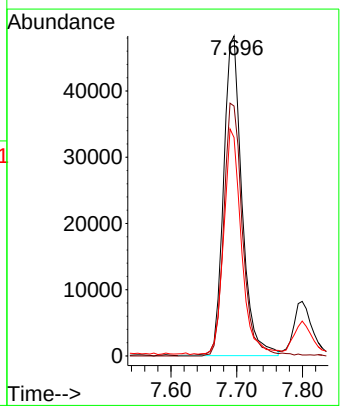


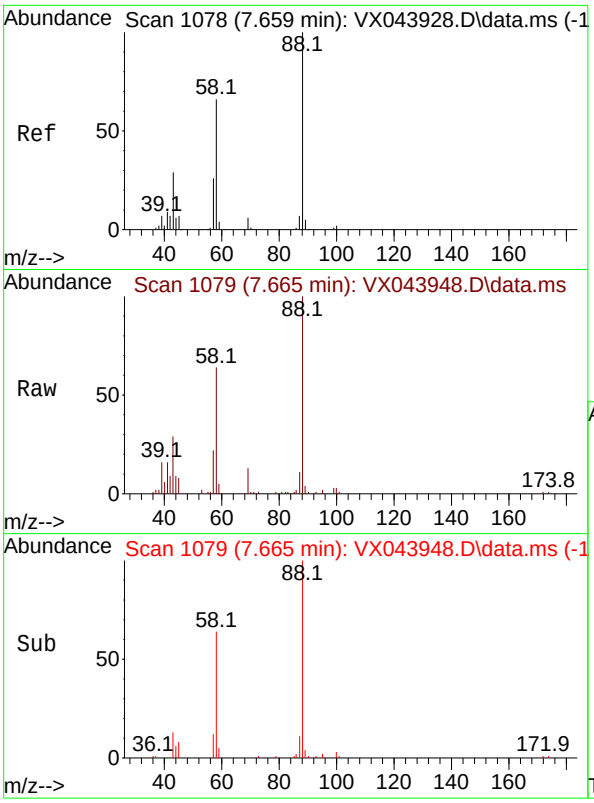




#48
Methyl methacrylate
Concen: 47.093 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 41 Resp: 93500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 64.6 | 97.0 |
| 39 | 67.6 | 53.3 | 79.9 |



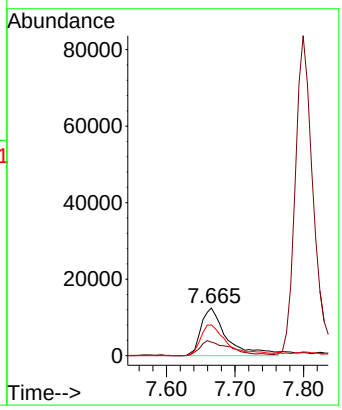


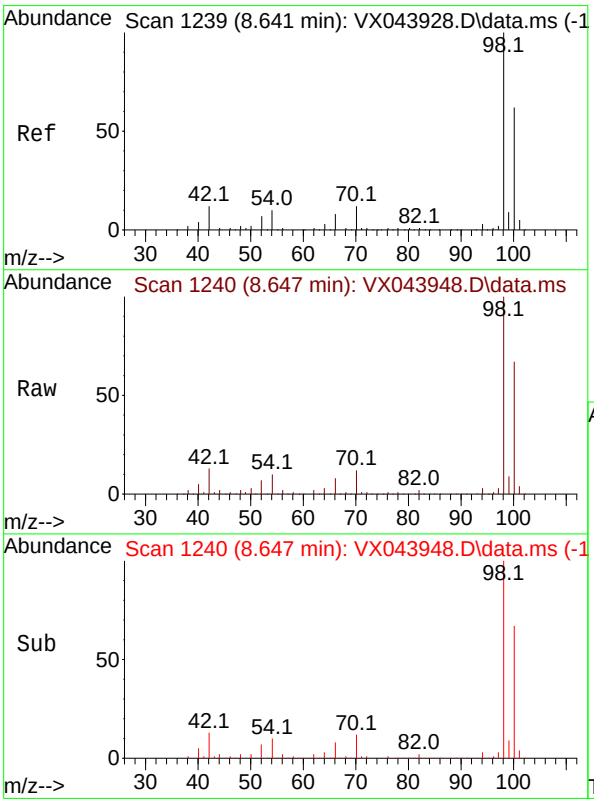

#49
1,4-Dioxane
Concen: 920.558 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 32557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 26.8 | 40.2 |
| 58 | 66.9 | 45.4 | 68.2 |

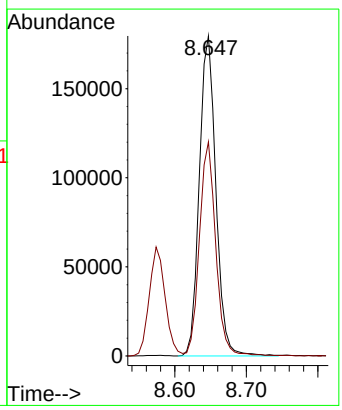


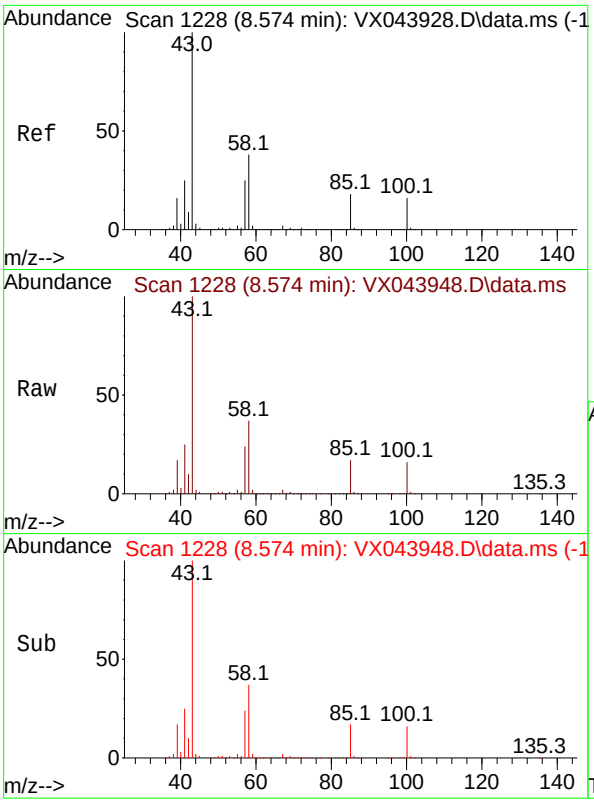




#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 98 Resp: 288863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.0 | 52.6 | 79.0 |



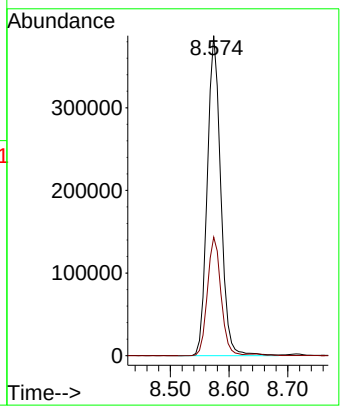


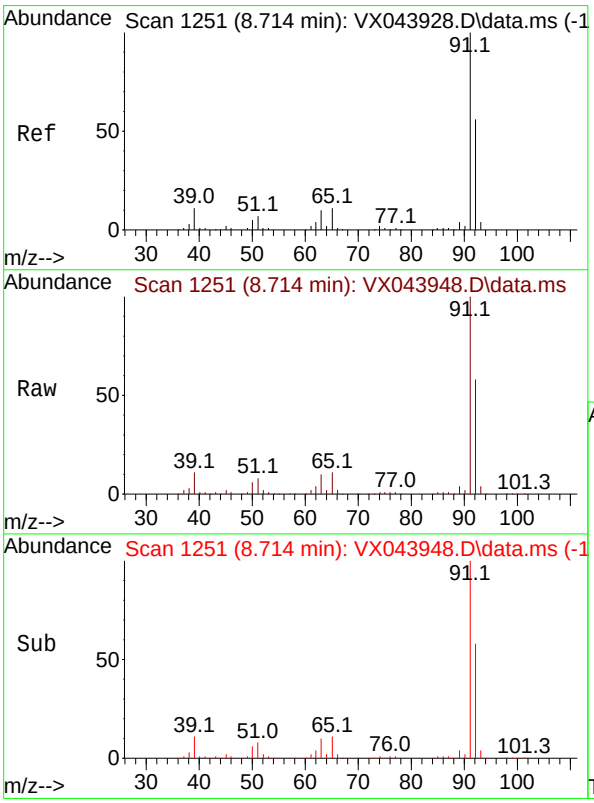

#51
4-Methyl-2-Pentanone
Concen: 244.942 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 618486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.1 | 30.0 | 45.0 |

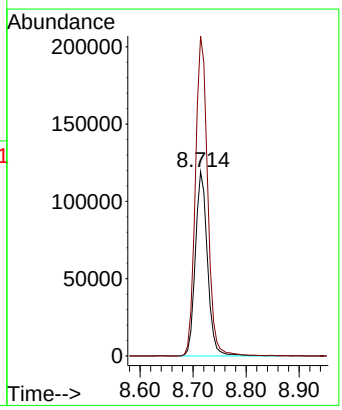


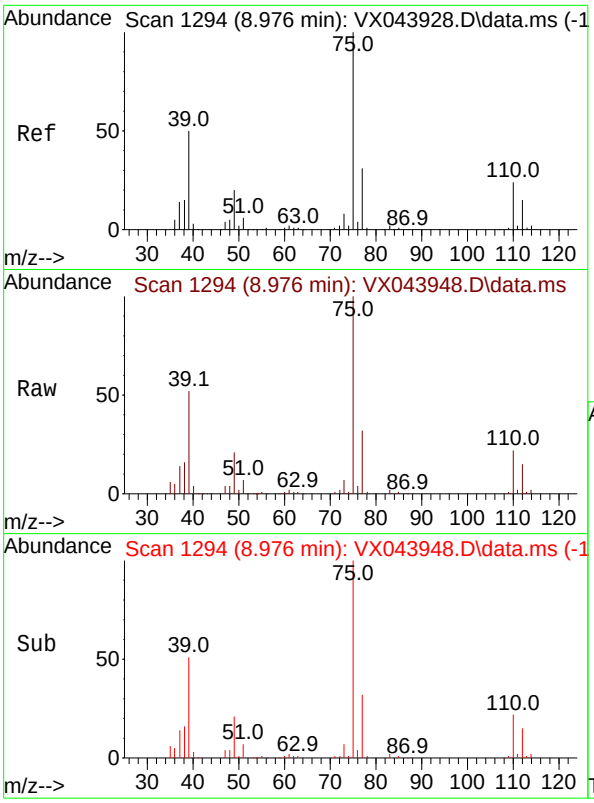




#52
Toluene
Concen: 48.620 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 92 Resp: 189861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.7 | 139.7 | 209.5 |



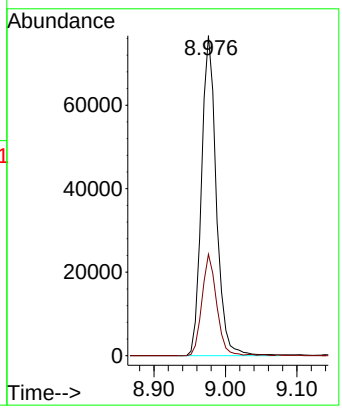


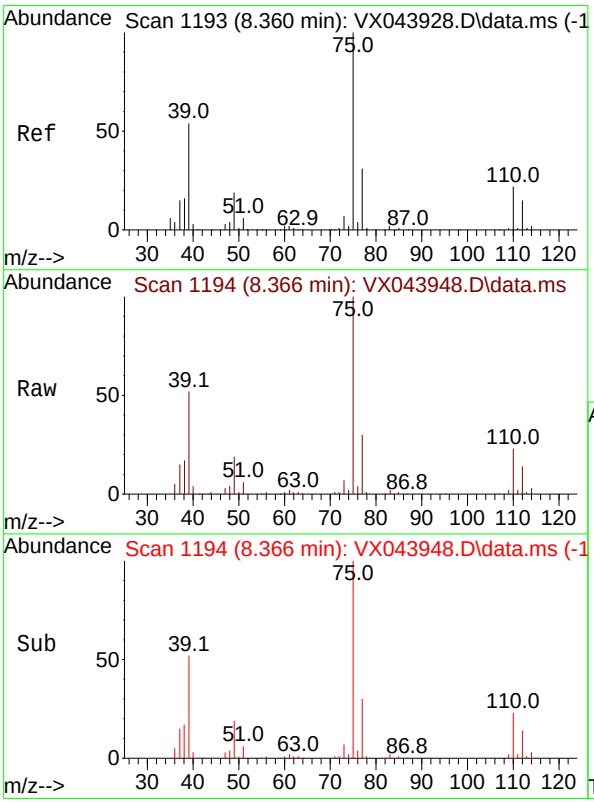

#53
t-1,3-Dichloropropene
Concen: 47.657 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 110173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.1 | 37.7 |

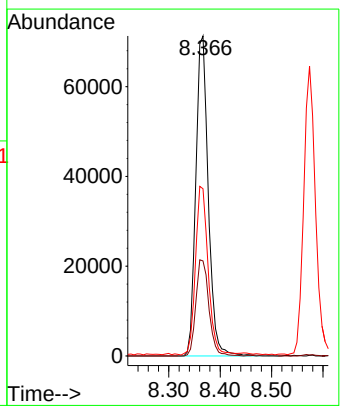


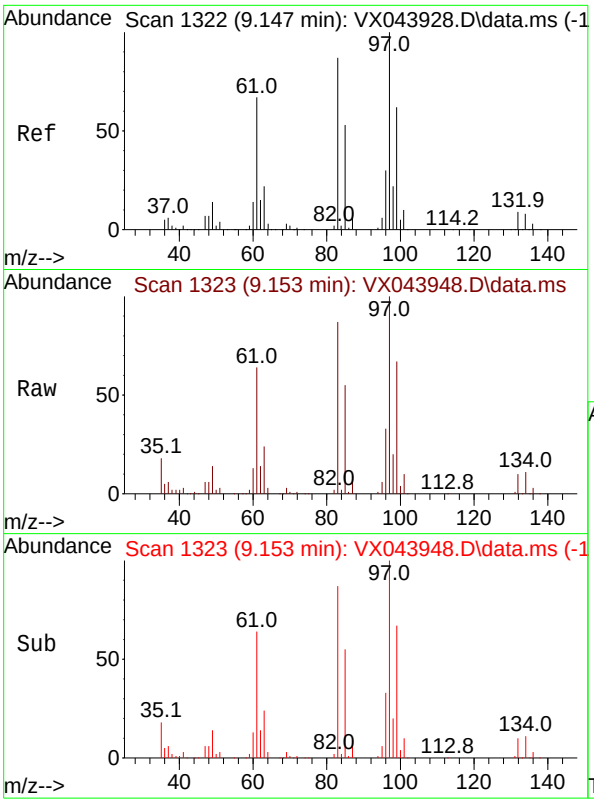




#54
cis-1,3-Dichloropropene
Concen: 47.592 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 120614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.7 | 25.2 | 37.8 |
| 39 | 51.7 | 43.1 | 64.7 |



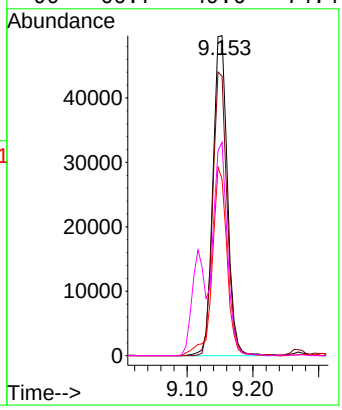


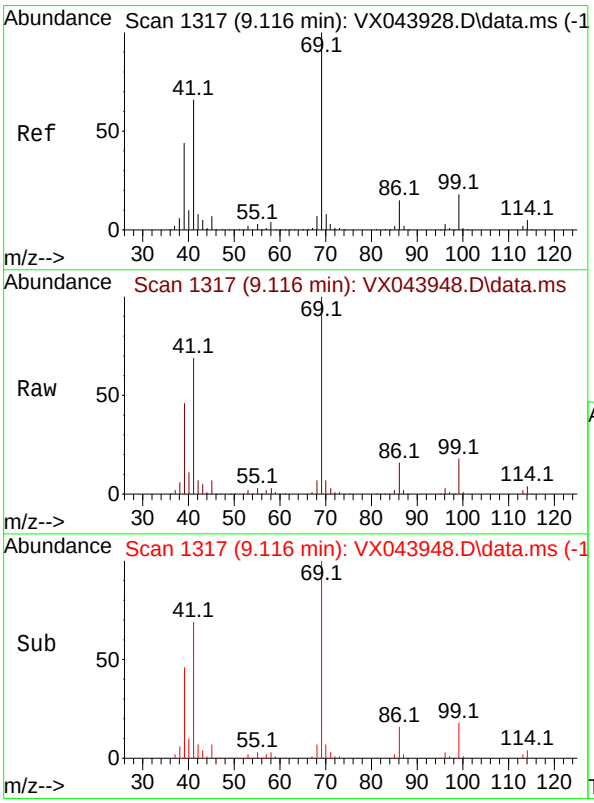

#55
1,1,2-Trichloroethane
Concen: 47.467 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 76514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.4 | 69.4 | 104.0 |
| 85 | 55.1 | 42.3 | 63.5 |
| 99 | 66.7 | 49.6 | 74.4 |

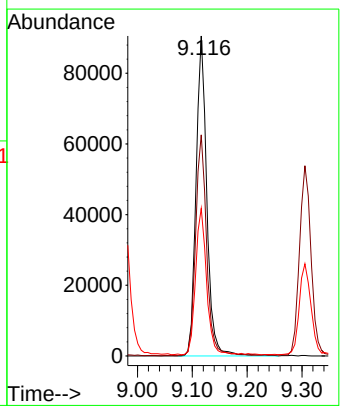


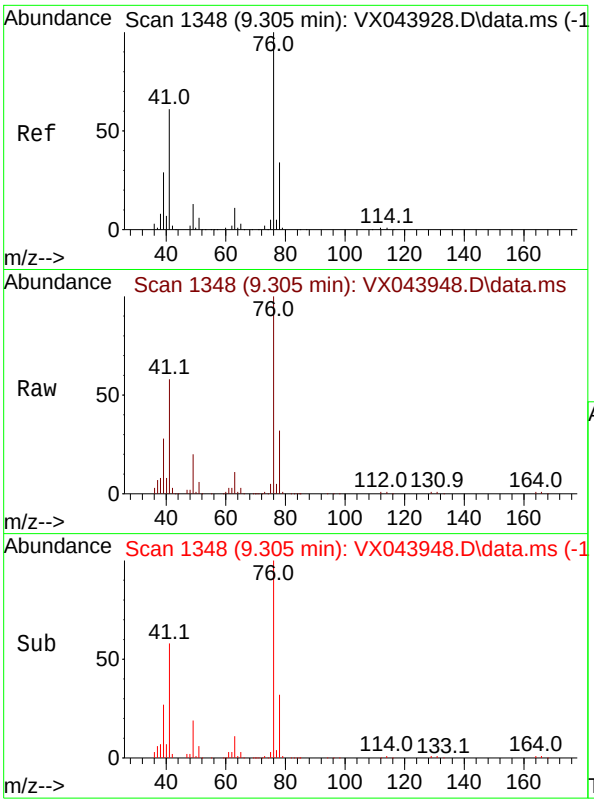




#56
Ethyl methacrylate
Concen: 49.597 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 69 Resp: 124527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.4 | 55.8 | 83.8 |
| 39 | 46.5 | 36.7 | 55.1 |



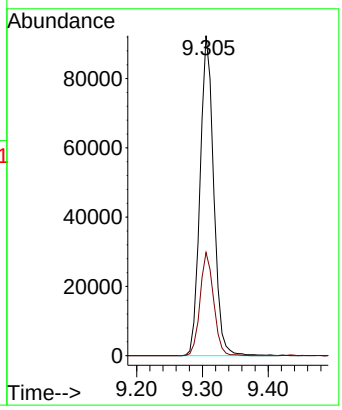


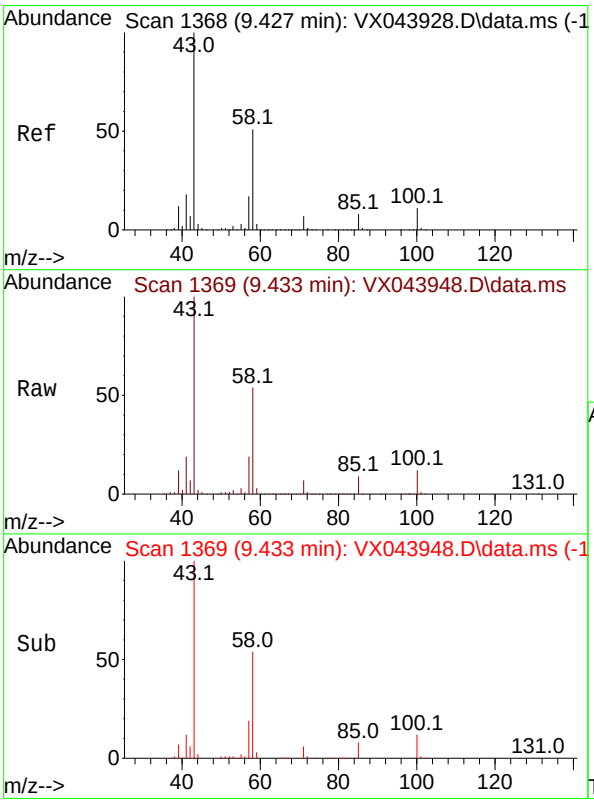

#57
1,3-Dichloropropane
Concen: 49.060 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 133219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.0 | 26.0 | 39.0 |

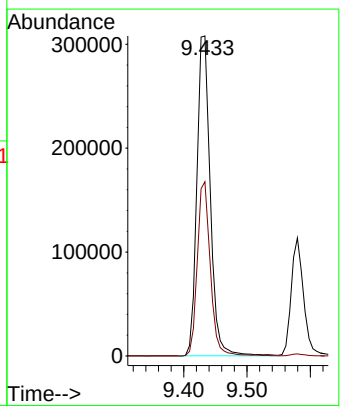


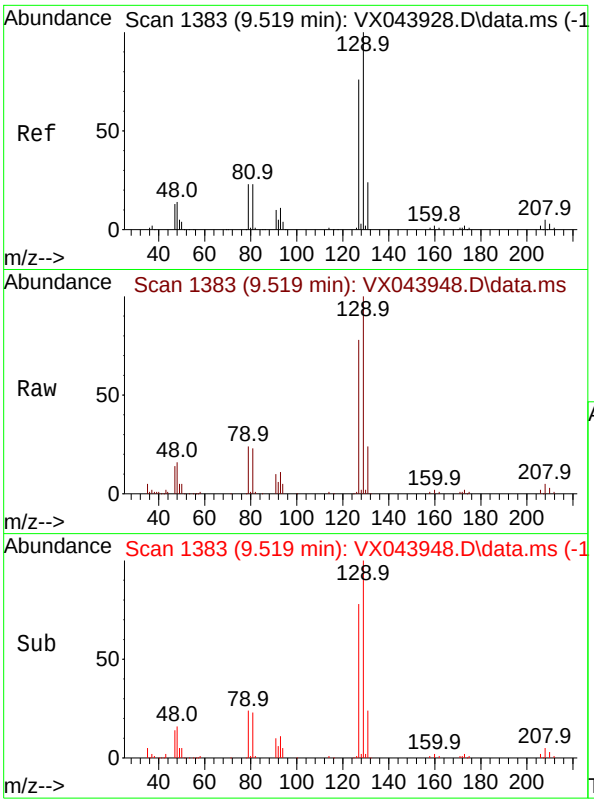




#59
2-Hexanone
Concen: 239.878 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 43 Resp: 455259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 25.9 | 77.6 |



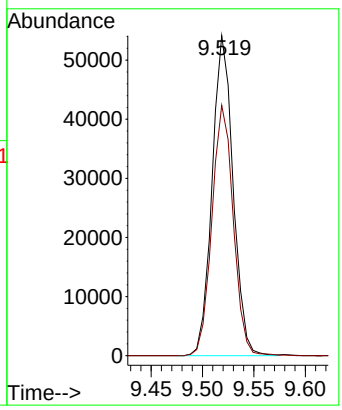


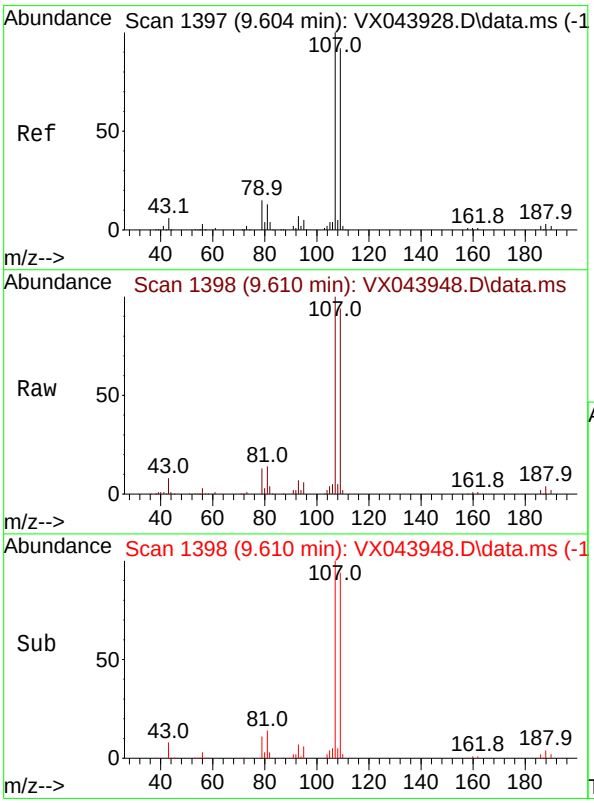

#60
Dibromochloromethane
Concen: 47.372 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:129 Resp: 76616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.6 | 38.2 | 114.6 |

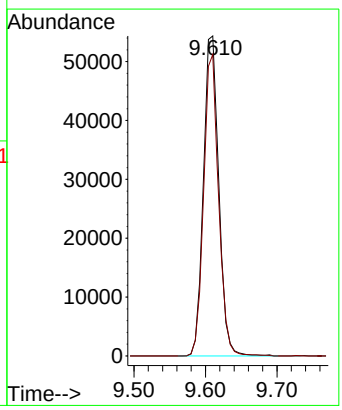


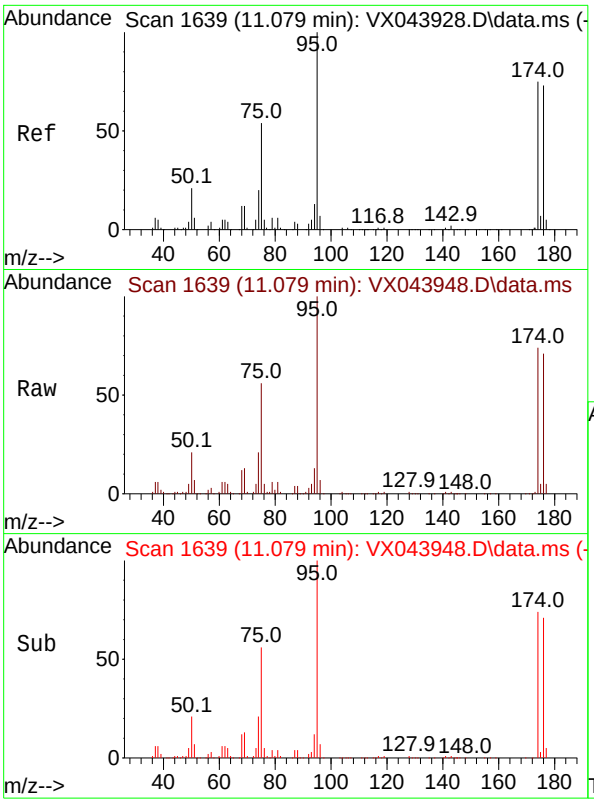




#61
1,2-Dibromoethane
Concen: 49.699 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:107 Resp: 81006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 75.2 | 112.8 |



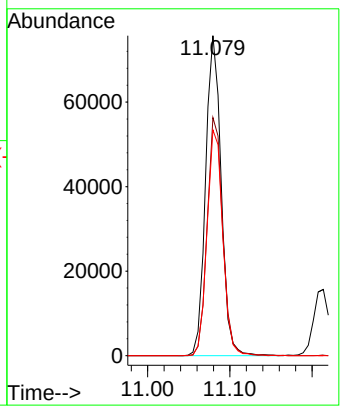


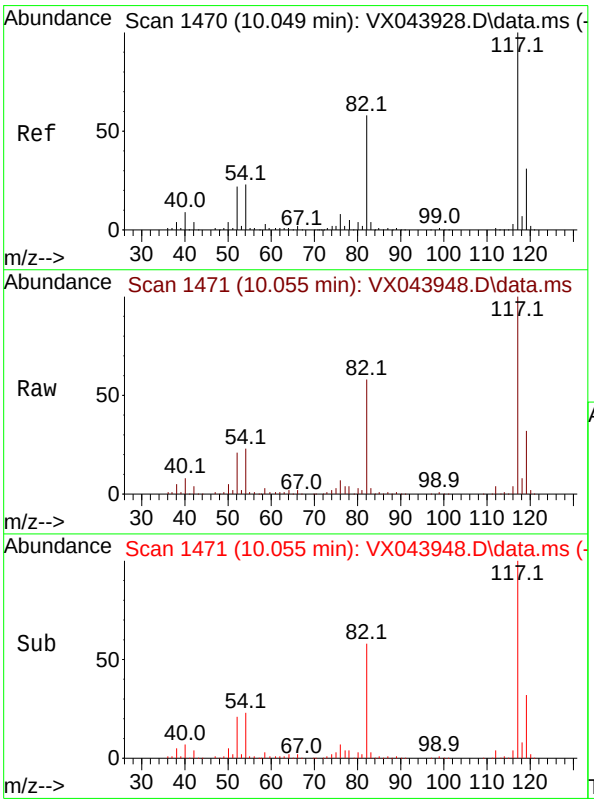

#62
4-Bromofluorobenzene
Concen: 50.418 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 95 Resp: 99417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.4 | 0.0 | 150.4 |
| 176 | 71.4 | 0.0 | 146.0 |

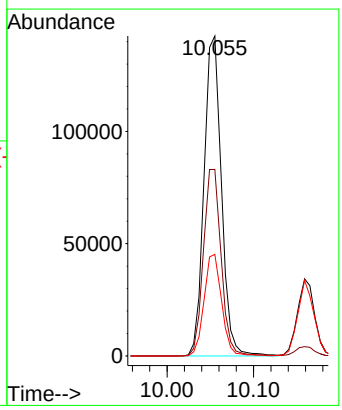


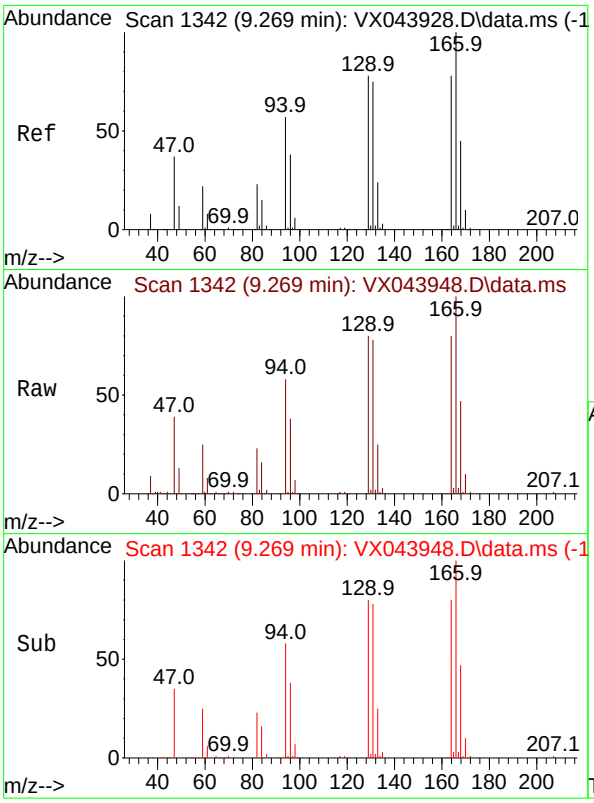




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:117 Resp: 199397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 46.4 | 69.6 |
| 119 | 31.7 | 24.6 | 37.0 |



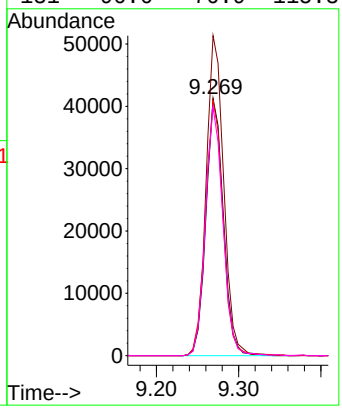


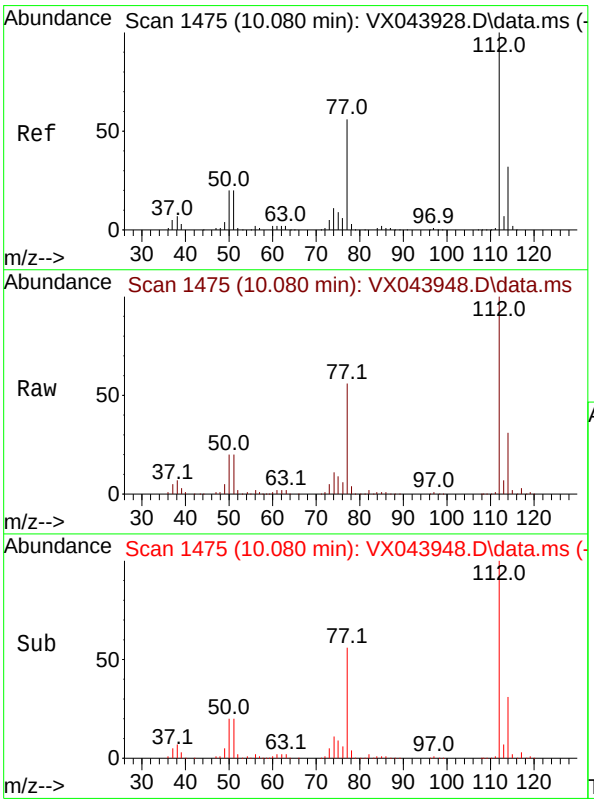

#64
Tetrachloroethene
Concen: 45.958 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:164 Resp: 60425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.4 | 102.1 | 153.1 |
| 129 | 99.2 | 79.6 | 119.4 |
| 131 | 96.6 | 76.9 | 115.3 |

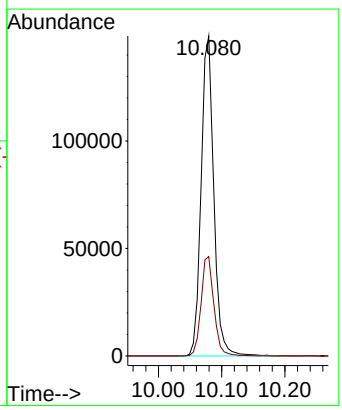


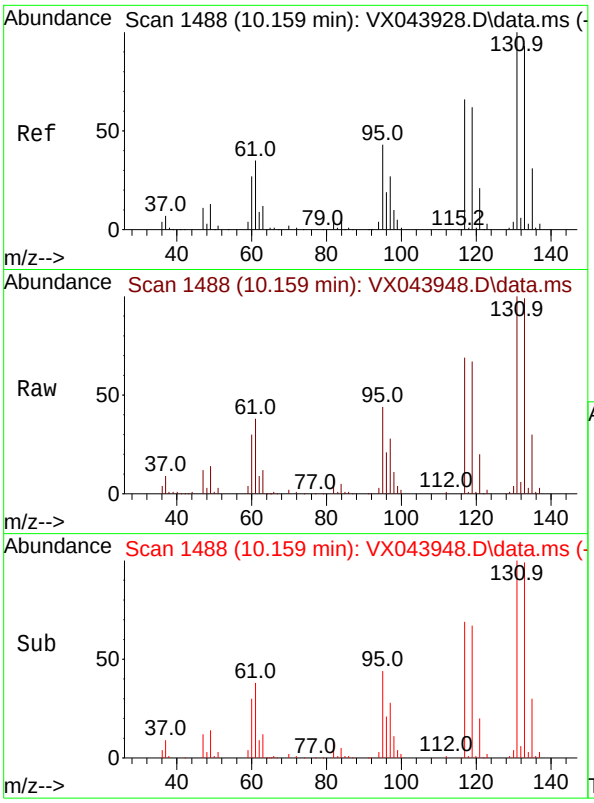




#65
Chlorobenzene
Concen: 47.425 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:112 Resp: 207688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.4 | 38.0 |



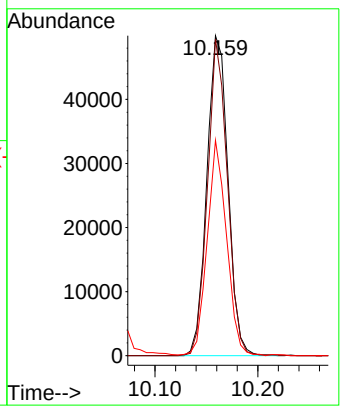


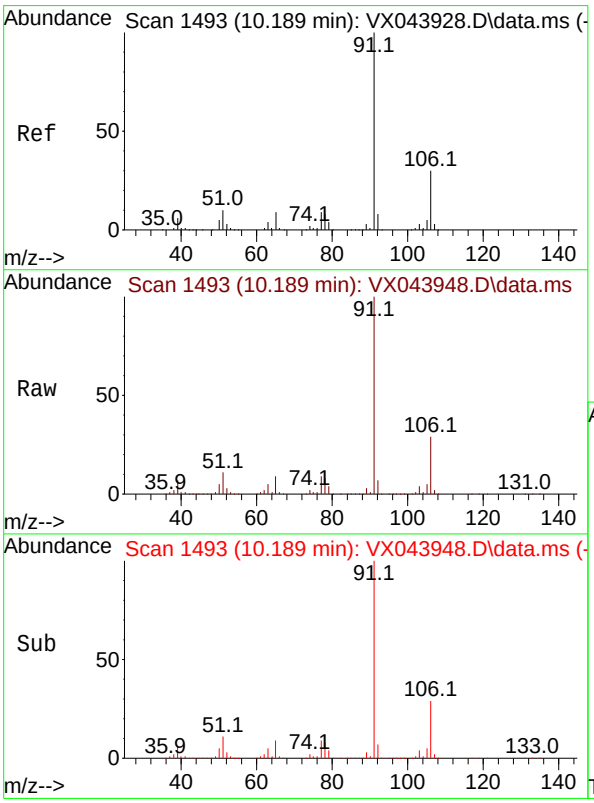

#66
1,1,1,2-Tetrachloroethane
Concen: 50.161 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:131 Resp: 71242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.0 | 48.2 | 144.6 |
| 119 | 61.8 | 31.5 | 94.5 |

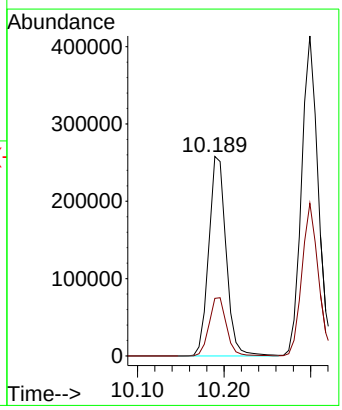


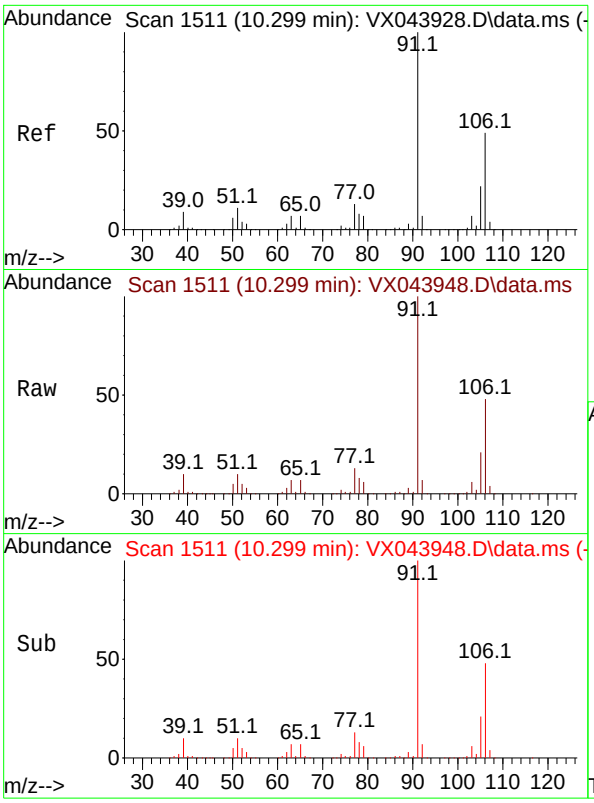




#67
Ethyl Benzene
Concen: 48.420 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 359312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 28.9 | 23.6 | 35.4 |



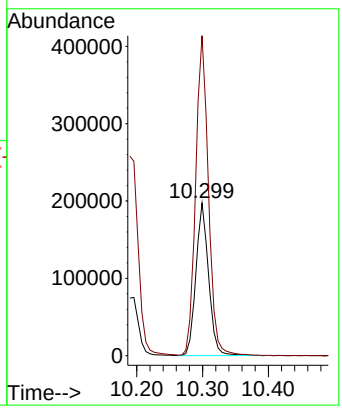


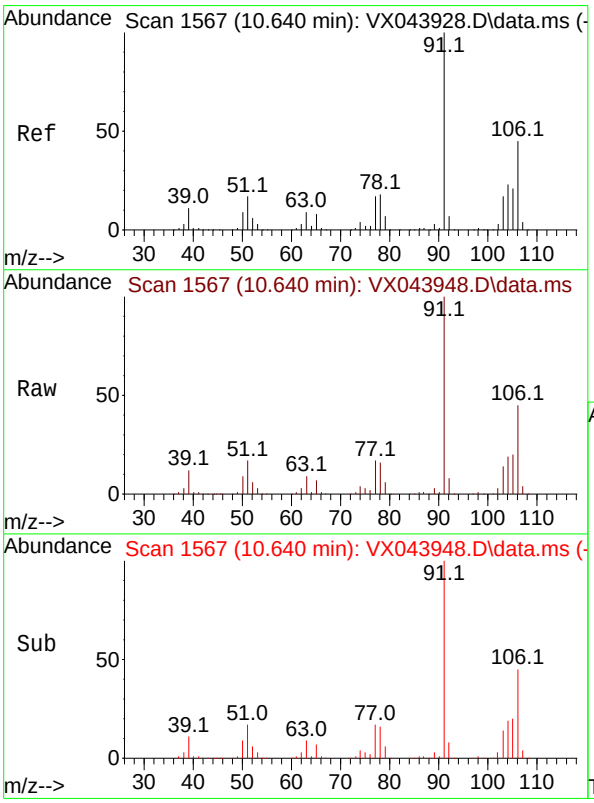

#68
m/p-Xylenes
Concen: 95.380 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 263950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.0 | 168.1 | 252.1 |

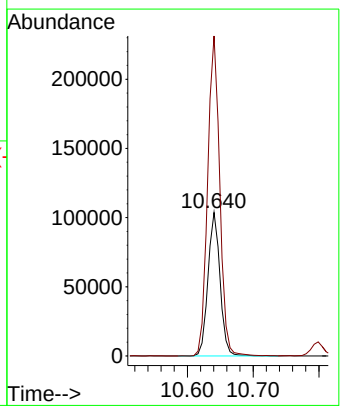


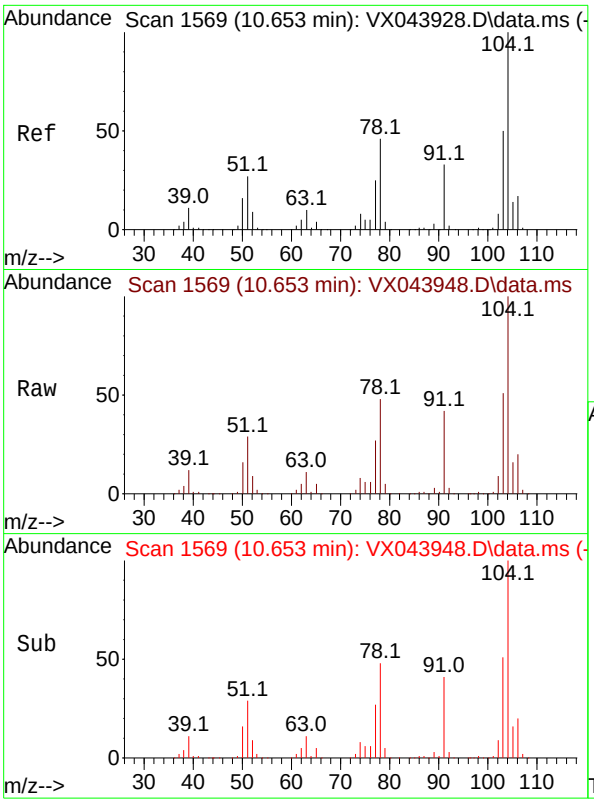




#69
o-Xylene
Concen: 48.978 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:106 Resp: 132336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.9 | 110.2 | 330.6 |



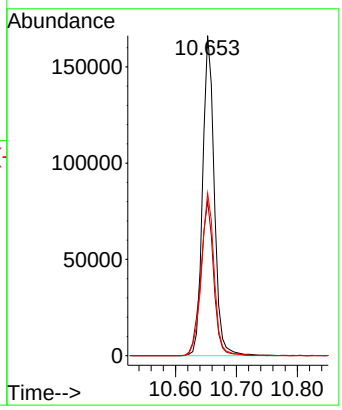


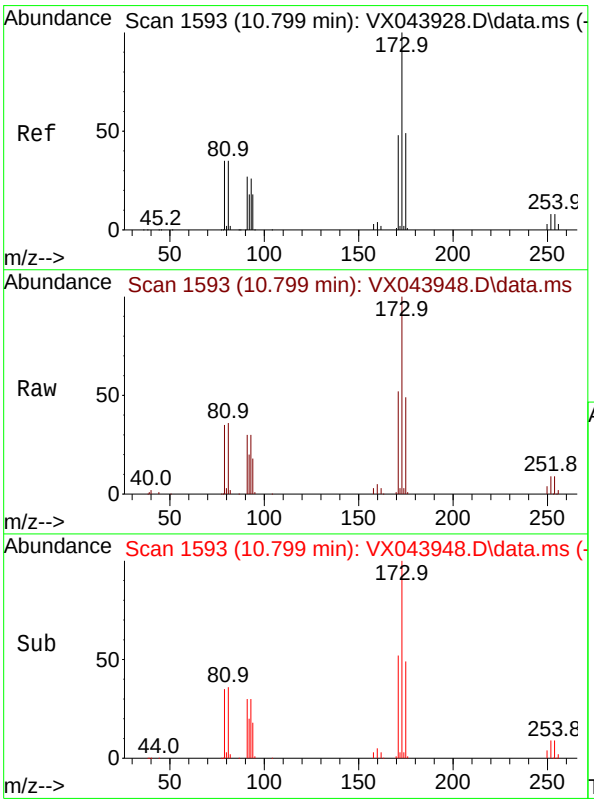

#70
Styrene
Concen: 49.604 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:104 Resp: 221676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.6 | 44.7 | 67.1 |

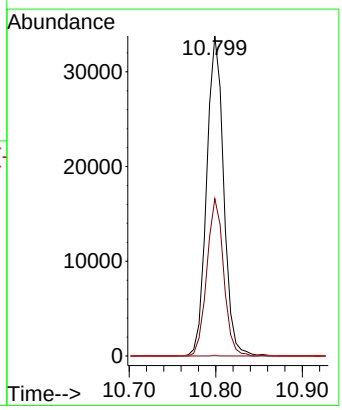


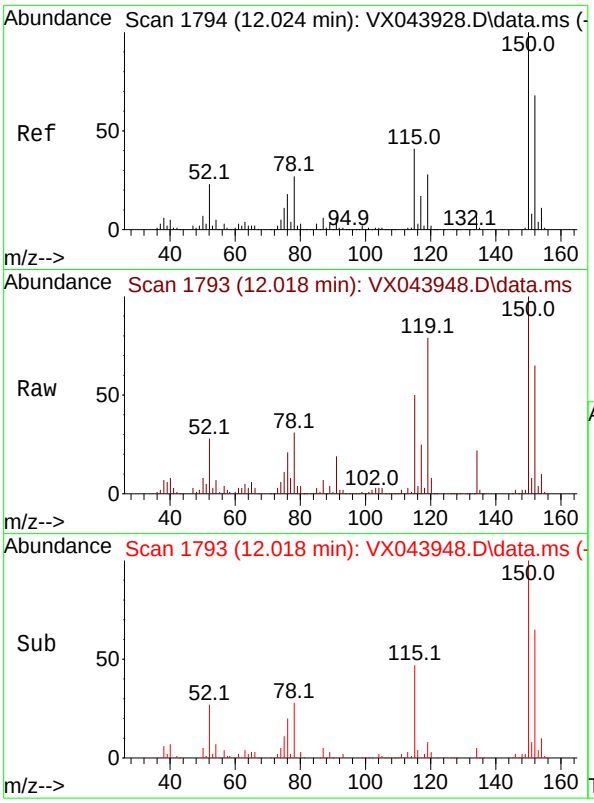




#71
Bromoform
Concen: 43.157 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:173 Resp: 46043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.1 | 0.0 | 0.0# |



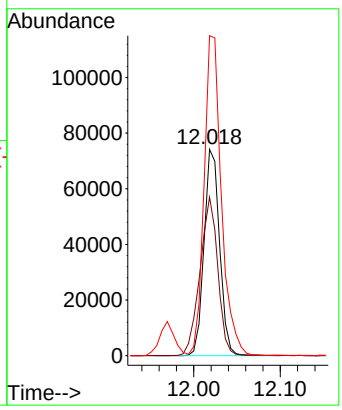


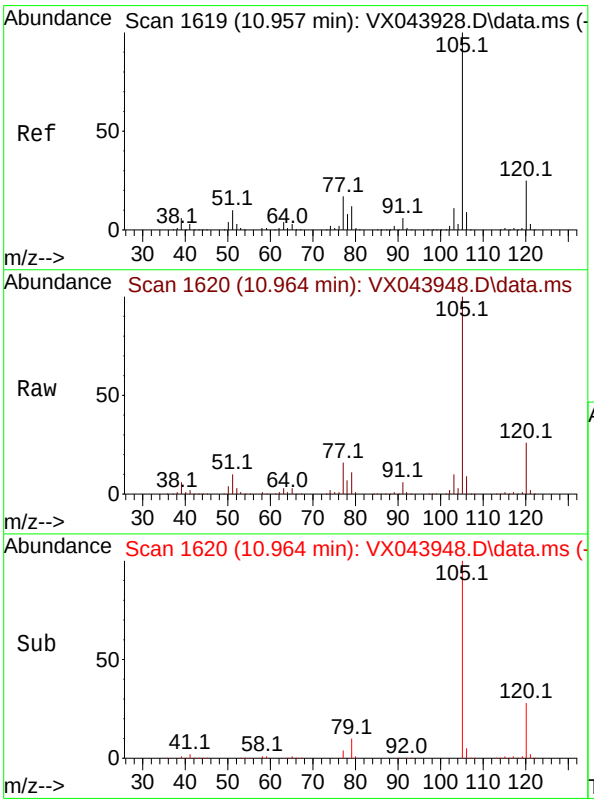

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:152 Resp: 92487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.0 | 45.4 | 136.2 |
| 150 | 172.5 | 0.0 | 353.0 |

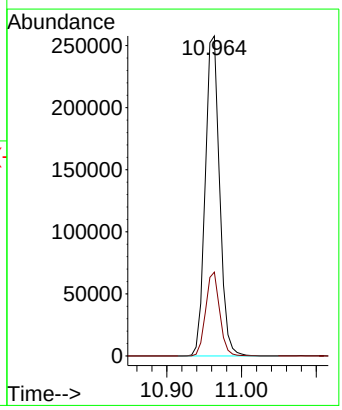


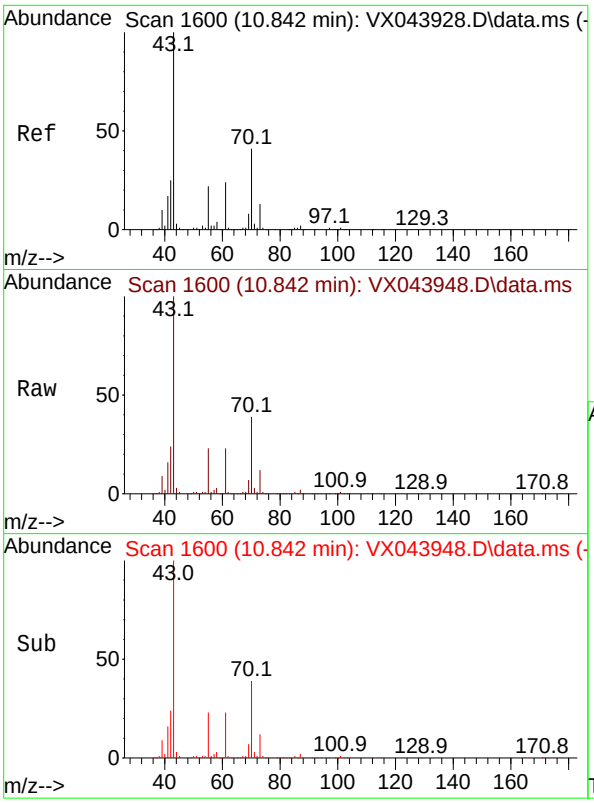




#73
Isopropylbenzene
Concen: 48.323 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 343545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |



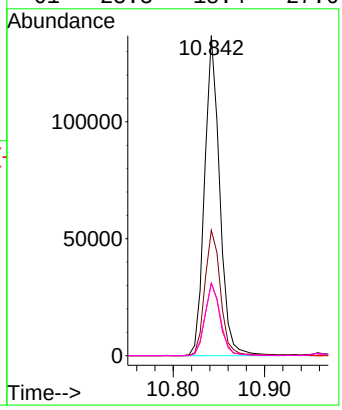


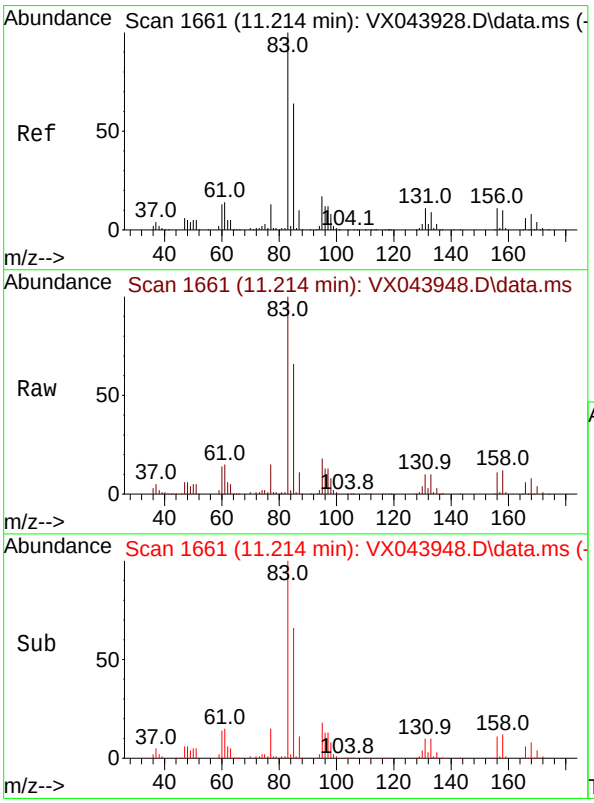

#74
N-amyl acetate
Concen: 47.714 ug/l
RT: 10.842 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 157143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.8 | 32.2 | 48.2 |
| 55 | 22.9 | 18.1 | 27.1 |
| 61 | 23.3 | 18.4 | 27.6 |

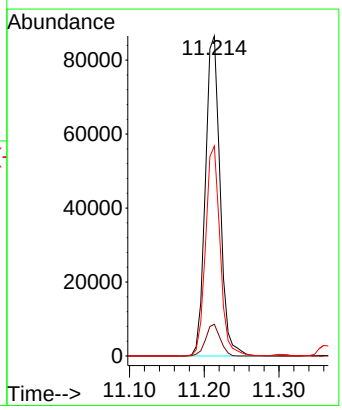


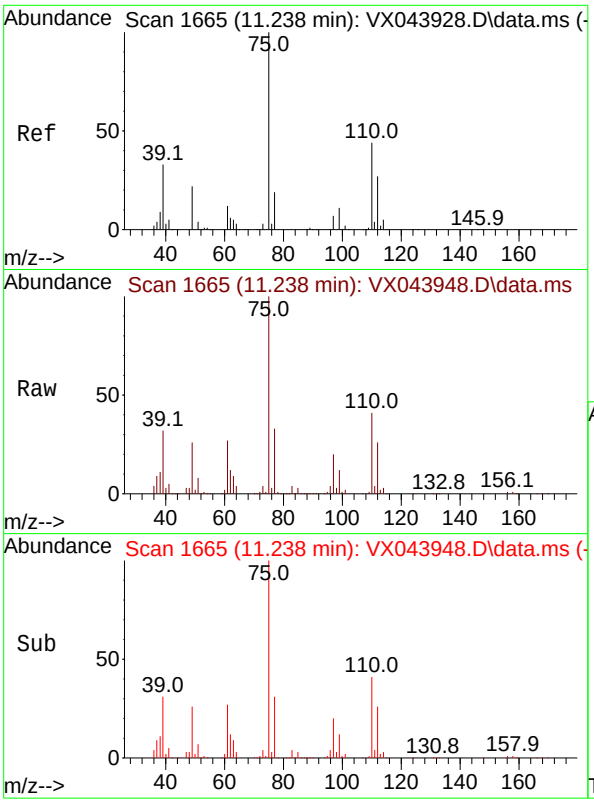




#75
1,1,2,2-Tetrachloroethane
Concen: 48.461 ug/l
RT: 11.214 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 83 Resp: 117970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.1 | 15.2 |
| 85 | 64.8 | 32.2 | 96.6 |



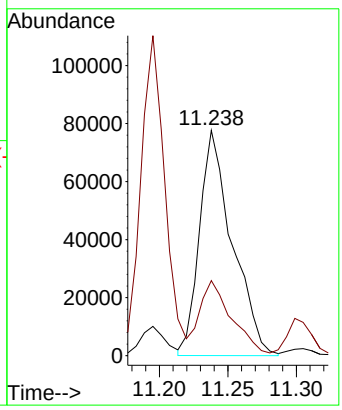


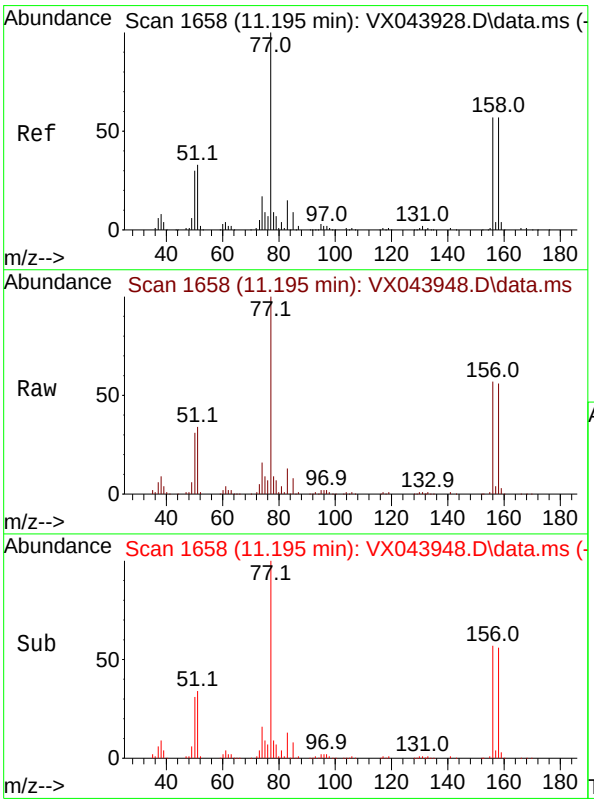

#76
1,2,3-Trichloropropane
Concen: 63.889 ug/l
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 129582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.6 | 21.8 | 65.3 |

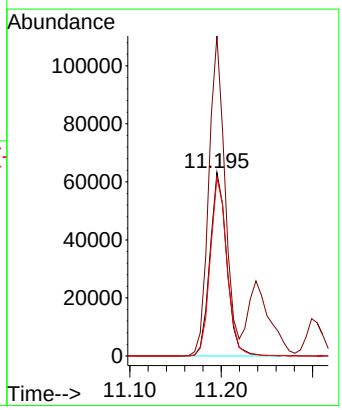


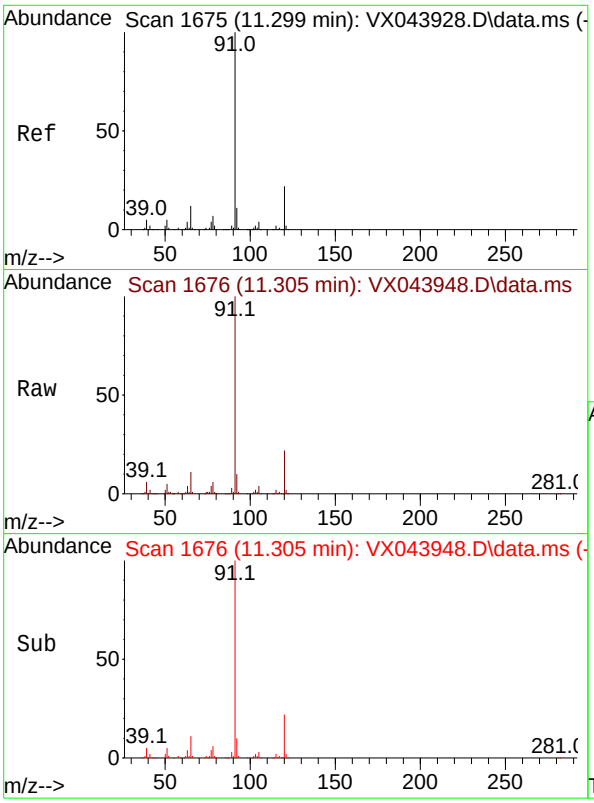




#77
Bromobenzene
Concen: 47.340 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:156 Resp: 80285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 168.5 | 83.4 | 250.1 |
| 158 | 96.9 | 47.6 | 142.8 |



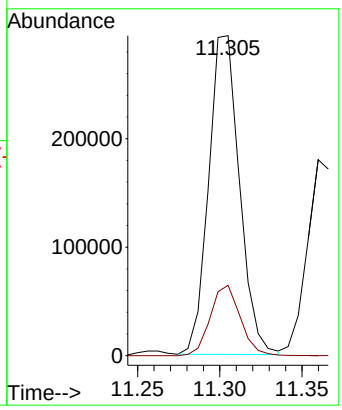


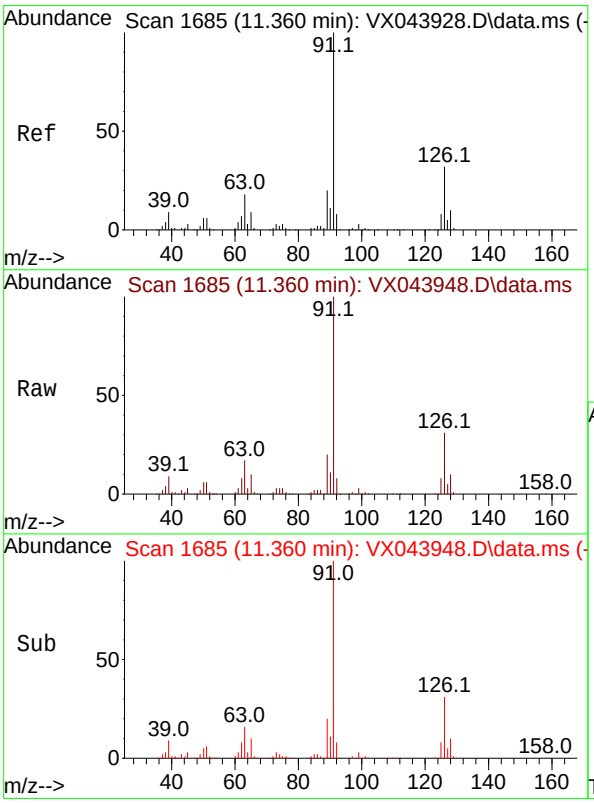

#78
n-propylbenzene
Concen: 48.379 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 384137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.5 | 11.5 | 34.4 |

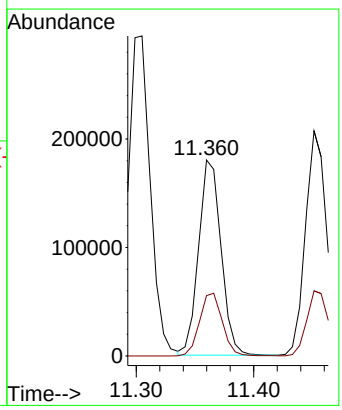


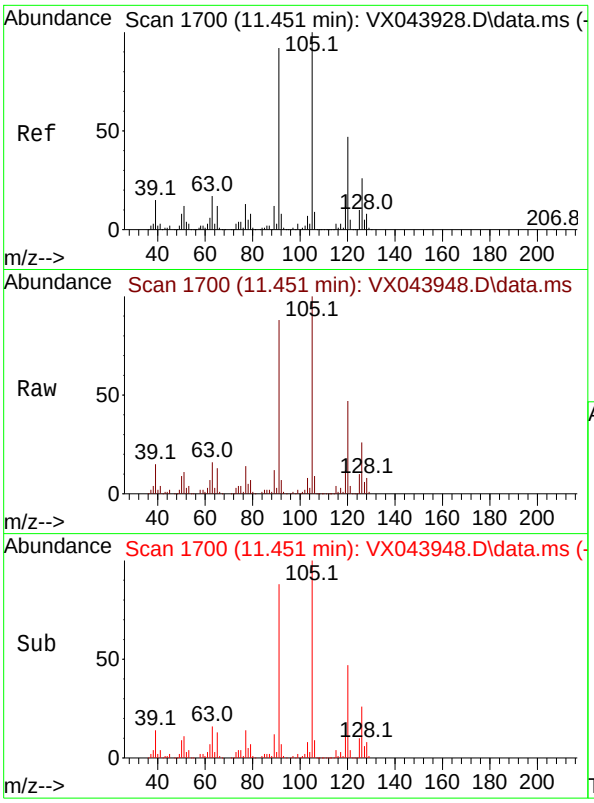




#79
2-Chlorotoluene
Concen: 47.553 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 238757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.6 | 16.6 | 49.8 |



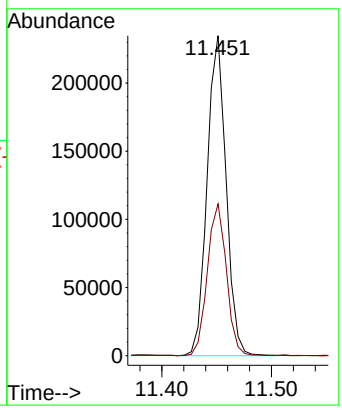


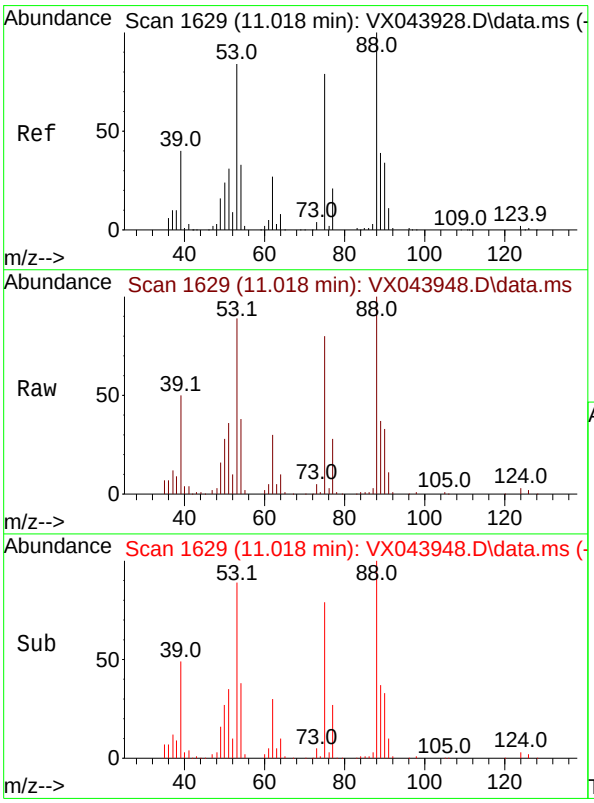

#80
1,3,5-Trimethylbenzene
Concen: 48.122 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 281466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.8 | 23.3 | 69.8 |

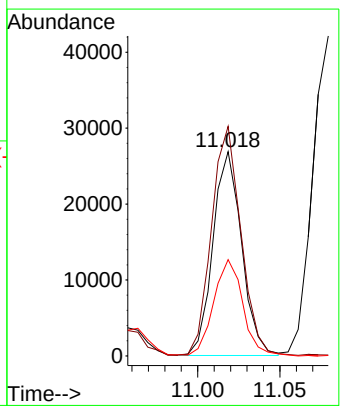


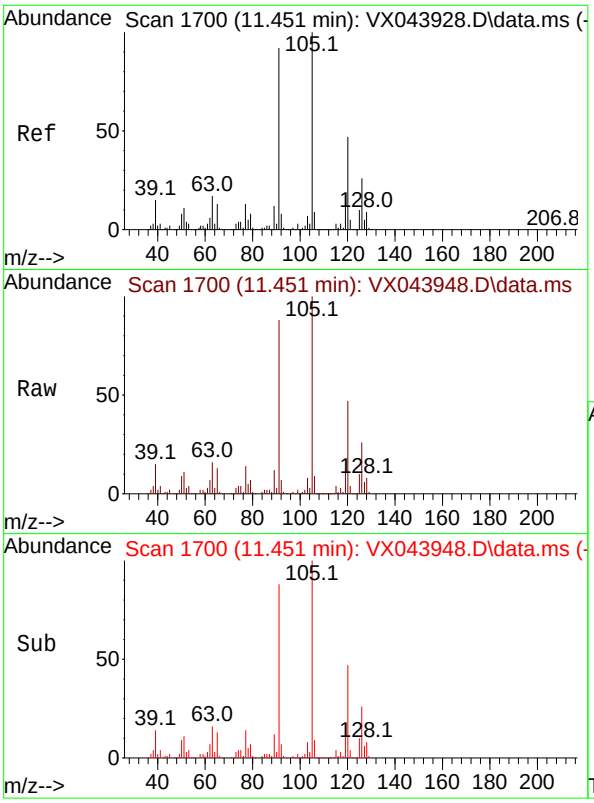




#81
trans-1,4-Dichloro-2-butene
Concen: 43.834 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 75 Resp: 32581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.0 | 86.7 | 130.1 |
| 89 | 48.1 | 38.2 | 57.2 |



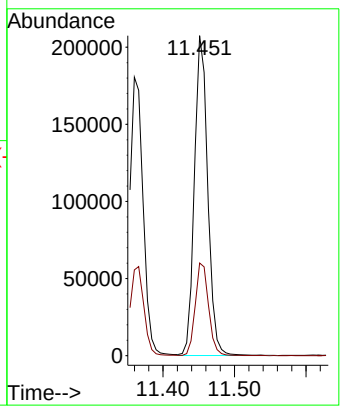


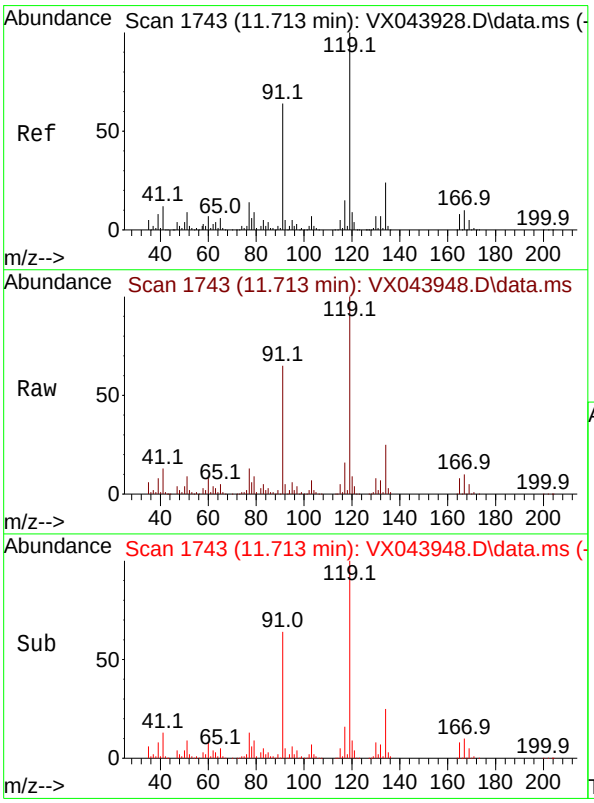

#82
4-Chlorotoluene
Concen: 47.202 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 267563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.3 | 42.9 |

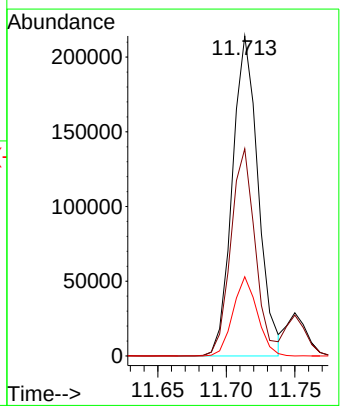


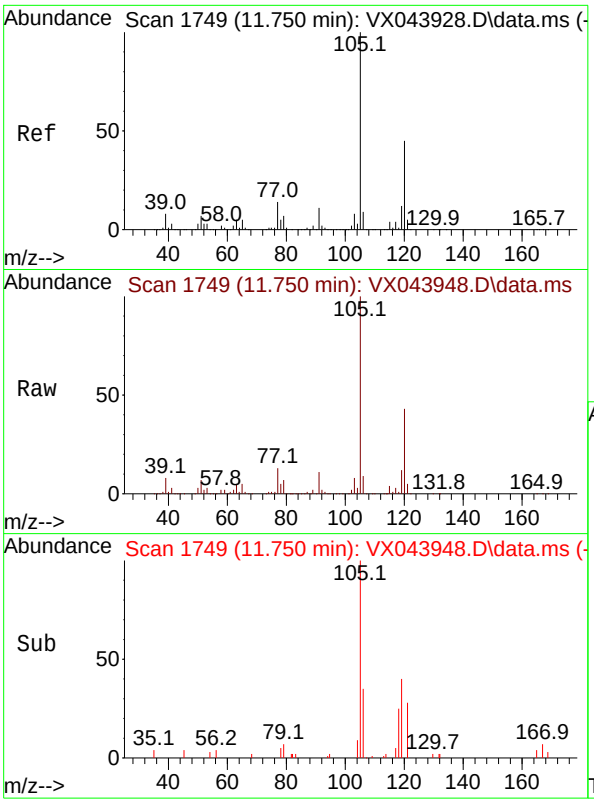




#83
tert-Butylbenzene
Concen: 48.270 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:119 Resp: 279835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.7 | 31.0 | 93.0 |
| 134 | 23.4 | 11.6 | 34.8 |



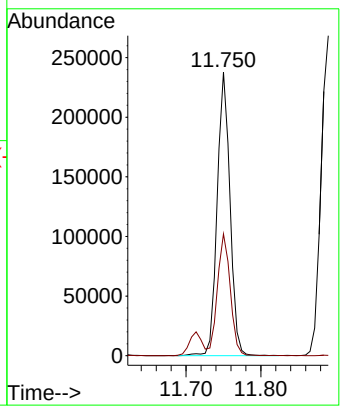


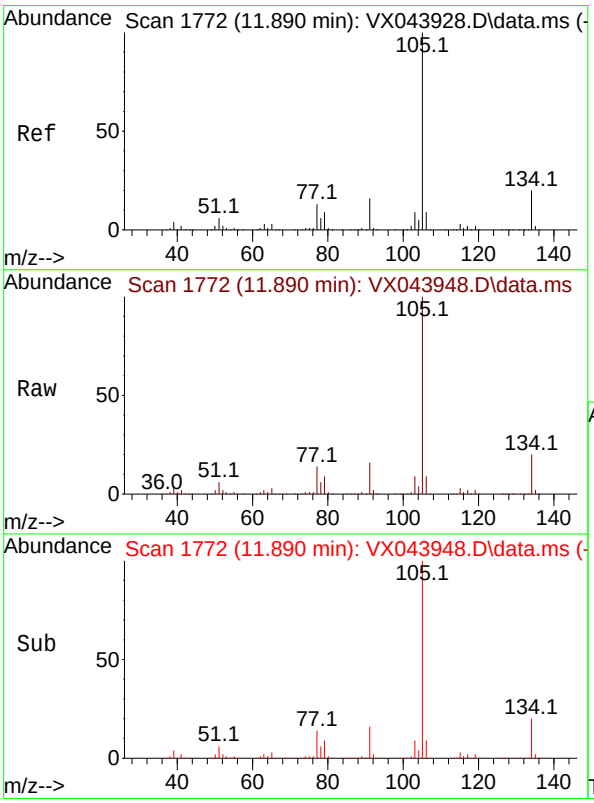

#84
1,2,4-Trimethylbenzene
Concen: 48.867 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 284559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.2 | 21.9 | 65.7 |

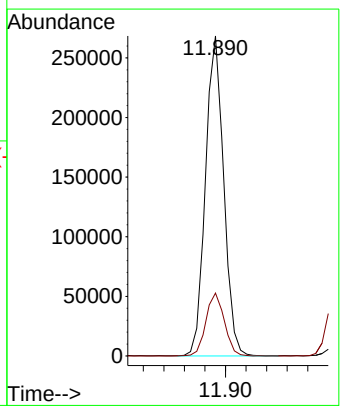


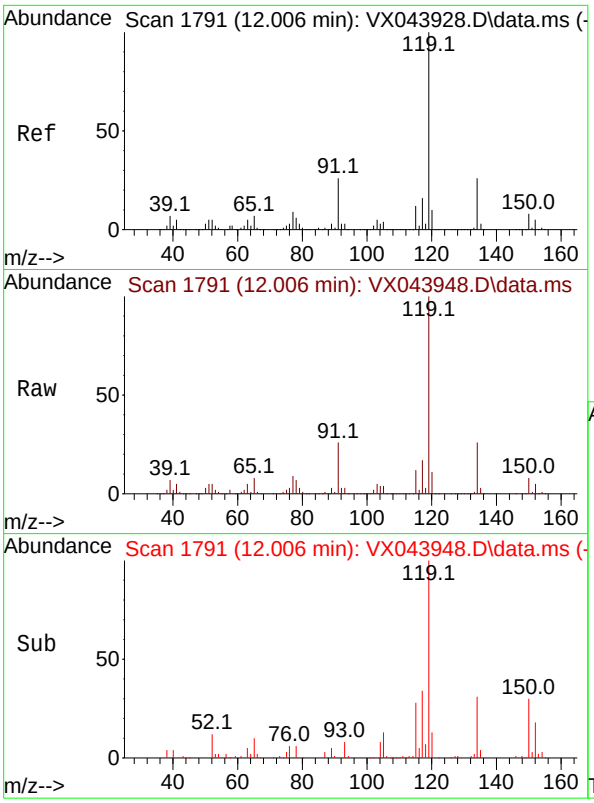




#85
sec-Butylbenzene
Concen: 46.678 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:105 Resp: 331556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.9 | 9.7 | 29.1 |



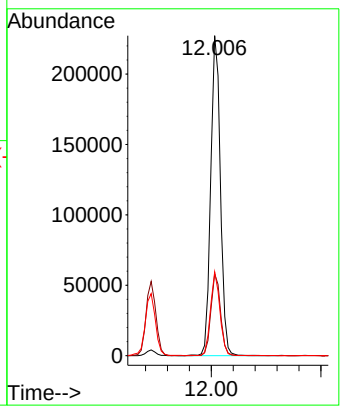


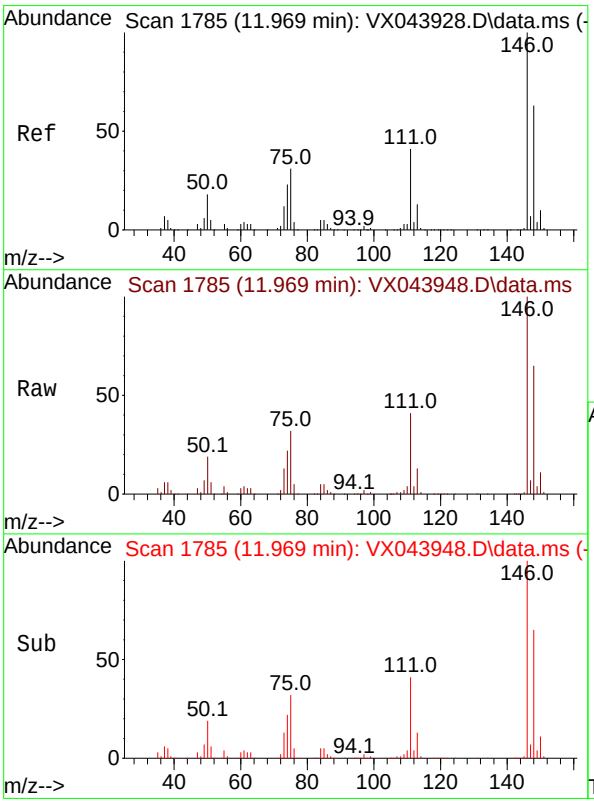

#86
p-Isopropyltoluene
Concen: 48.009 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 276997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.5 | 13.0 | 38.9 |
| 91 | 25.4 | 13.0 | 38.9 |

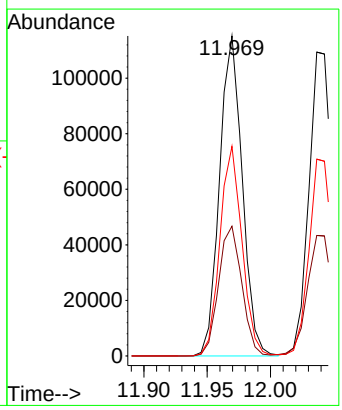


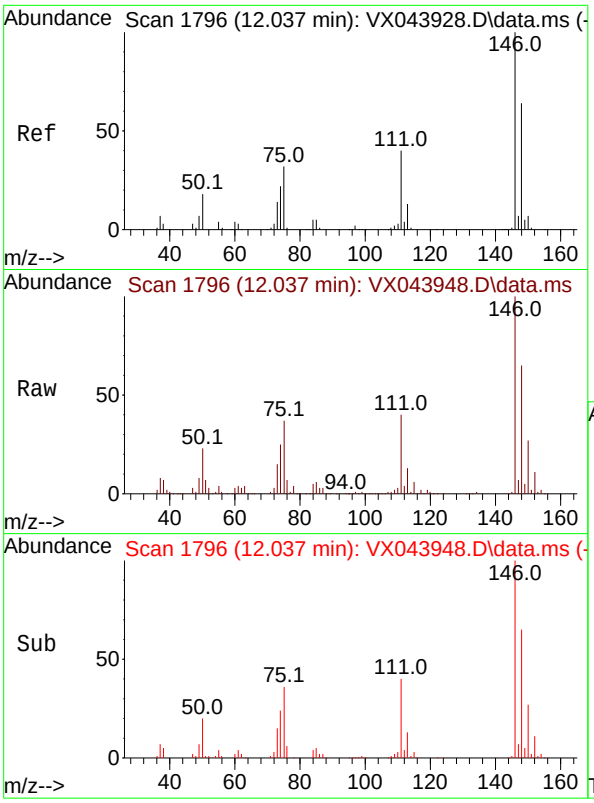




#87
1,3-Dichlorobenzene
Concen: 46.544 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:146 Resp: 143767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.1 | 63.3 |
| 148 | 63.8 | 31.7 | 95.1 |



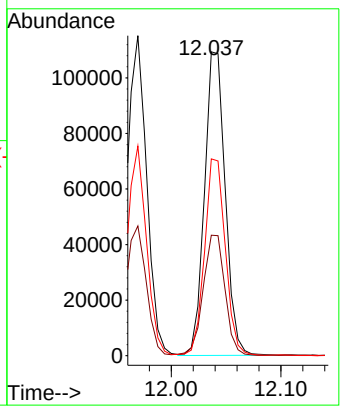


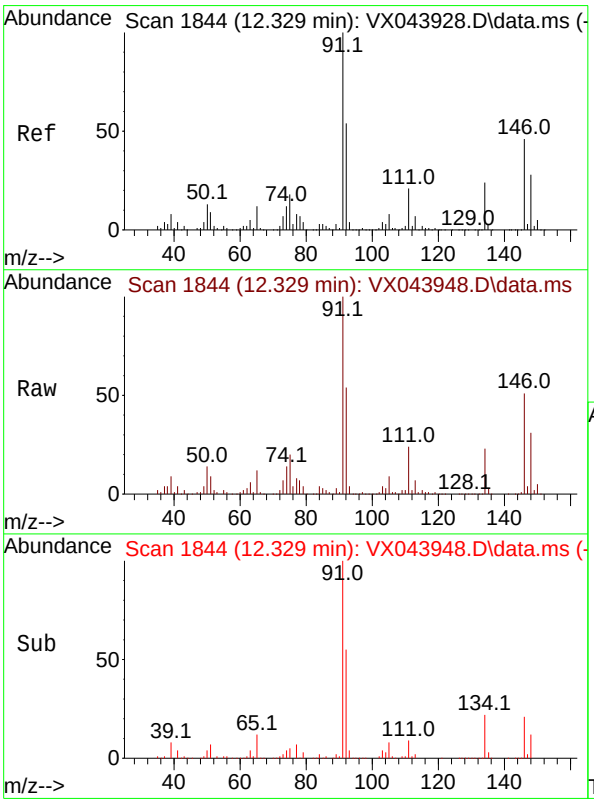

#88
1,4-Dichlorobenzene
Concen: 45.502 ug/l
RT: 12.037 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 143294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.1 | 60.3 |
| 148 | 64.8 | 30.9 | 92.8 |

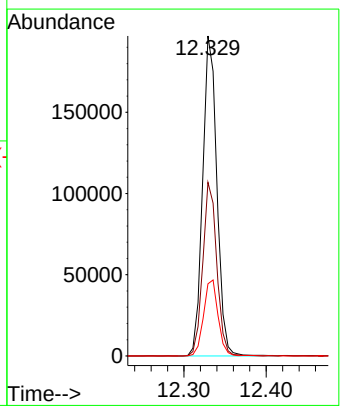


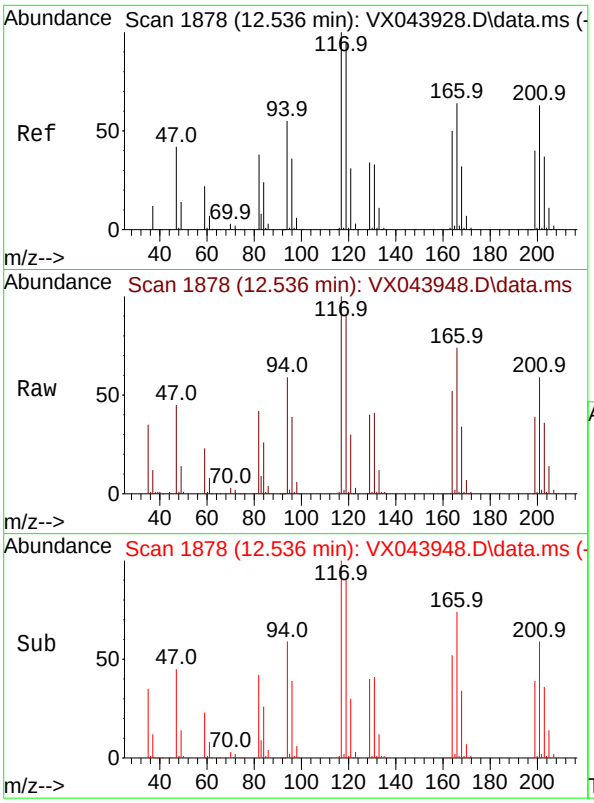




#89
n-Butylbenzene
Concen: 46.555 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion: 91 Resp: 236825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.5 | 26.6 | 79.8 |
| 134 | 24.2 | 12.4 | 37.2 |



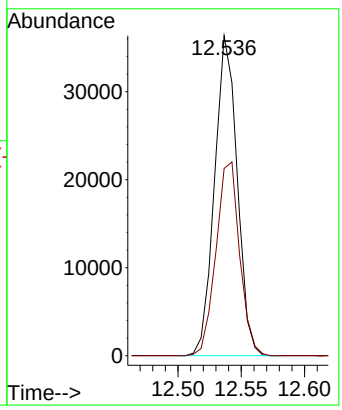


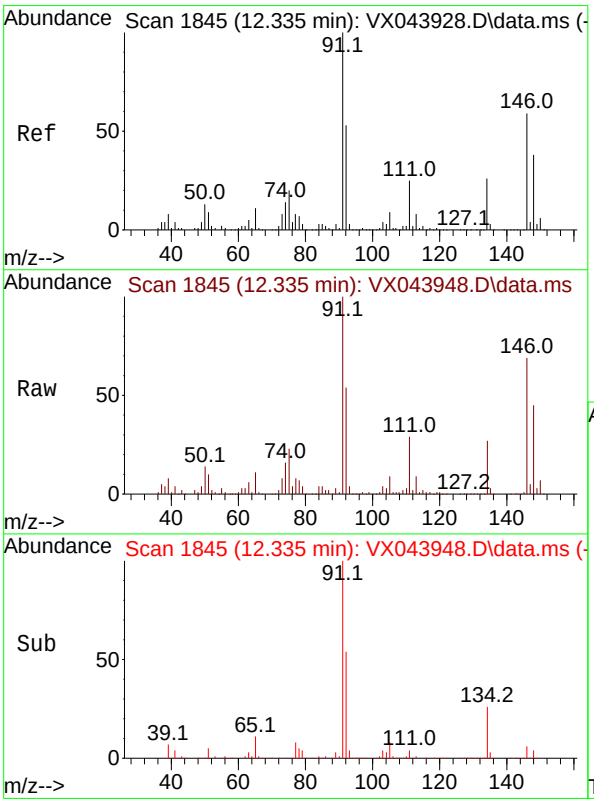

#90
Hexachloroethane
Concen: 46.006 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 45136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 63.5 | 32.4 | 97.0 |

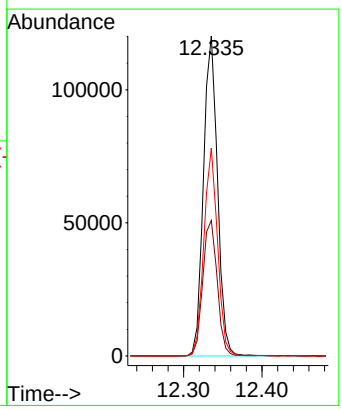


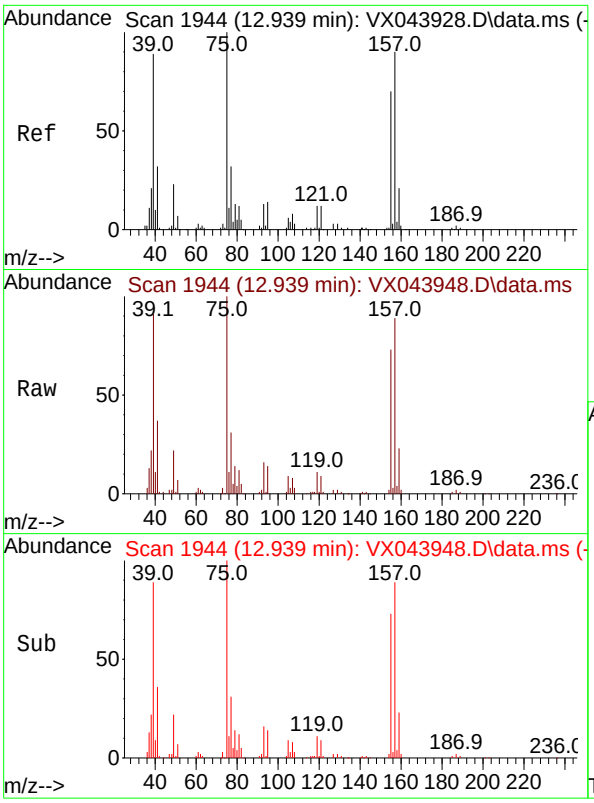




#91
1,2-Dichlorobenzene
Concen: 48.027 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:146 Resp: 149710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.5 | 64.5 |
| 148 | 63.4 | 31.9 | 95.5 |



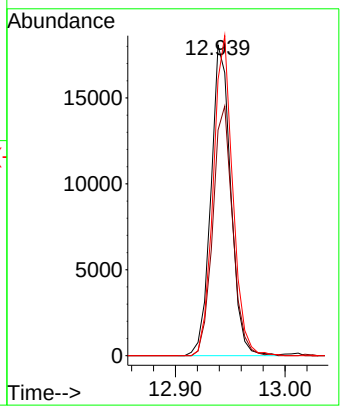


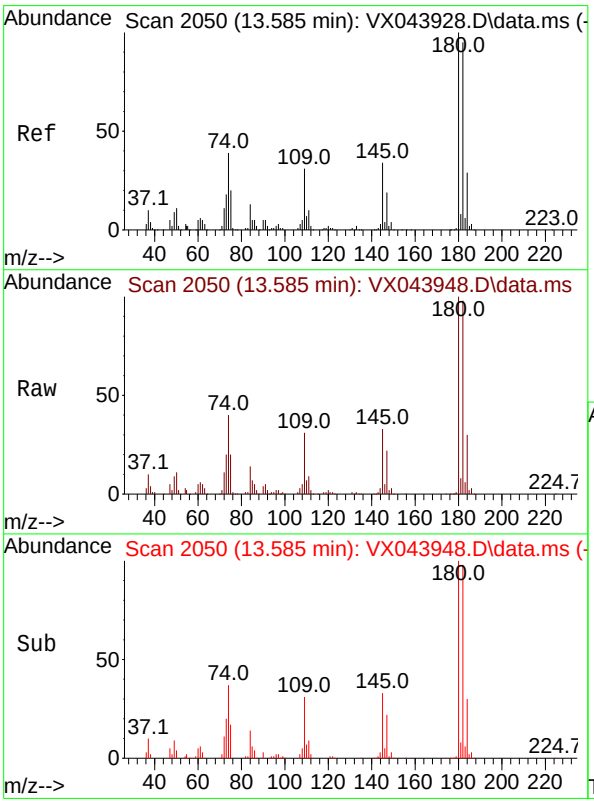

#92
1,2-Dibromo-3-Chloropropane
Concen: 46.583 ug/l
RT: 12.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 22722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 80.4 | 40.1 | 120.2 |
| 157 | 101.4 | 49.6 | 149.0 |

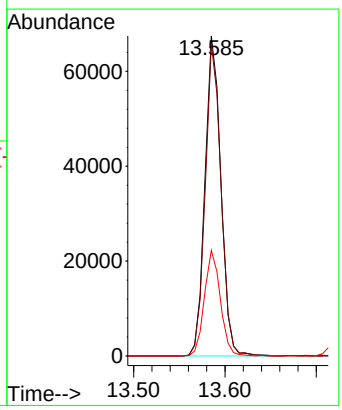


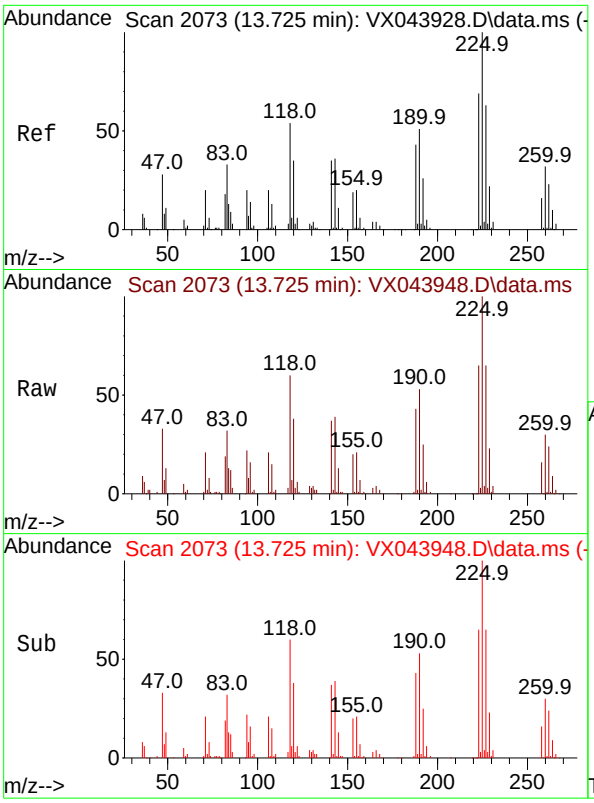




#93
1,2,4-Trichlorobenzene
Concen: 44.267 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:180 Resp: 81352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.9 | 48.0 | 144.2 |
| 145 | 33.0 | 16.8 | 50.4 |



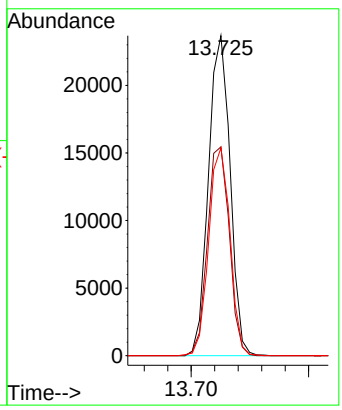


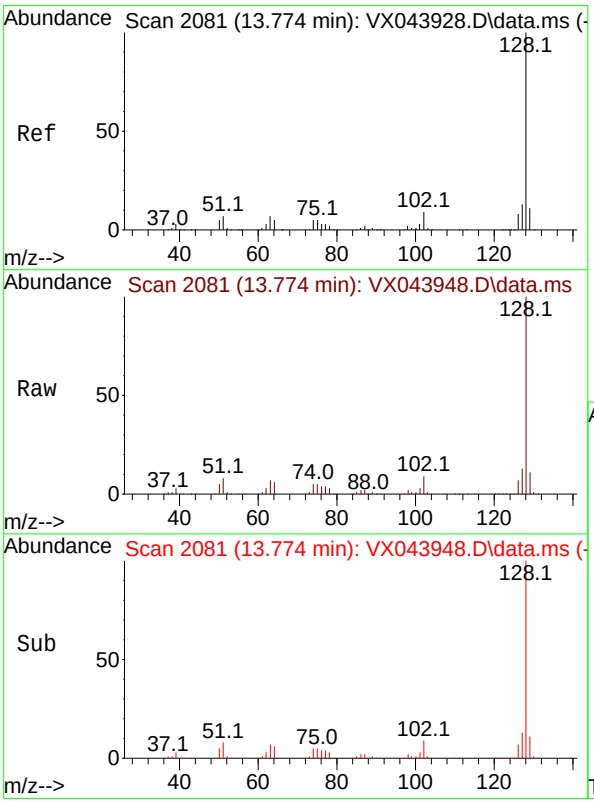

#94
Hexachlorobutadiene
Concen: 41.728 ug/l
RT: 13.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:225 Resp: 30308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.6 | 32.9 | 98.6 |
| 227 | 63.9 | 31.6 | 94.8 |

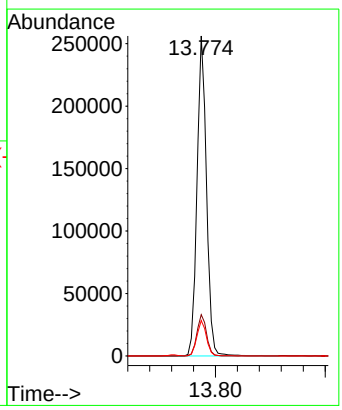


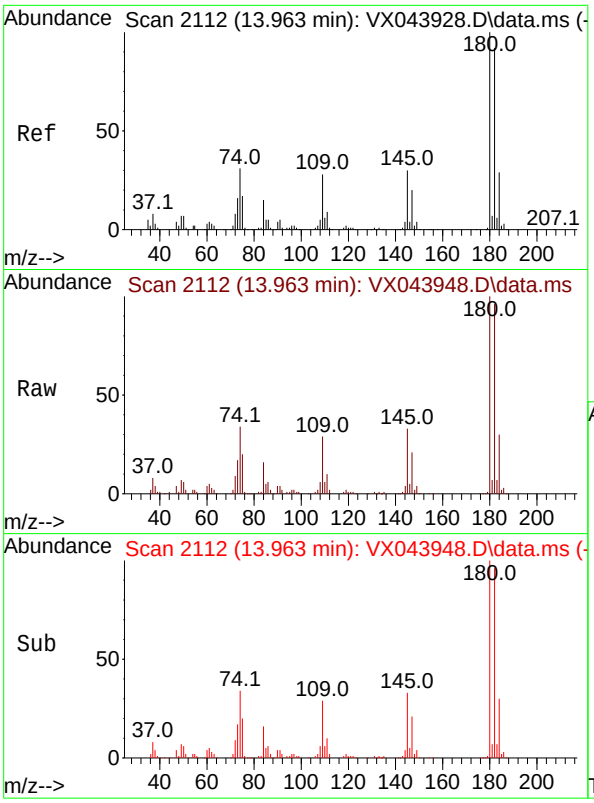




#95
Naphthalene
Concen: 46.709 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

Tgt Ion:128 Resp: 309000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 13.2 | 10.2 | 15.2 |
| 129 | 11.1 | 8.6 | 12.8 |



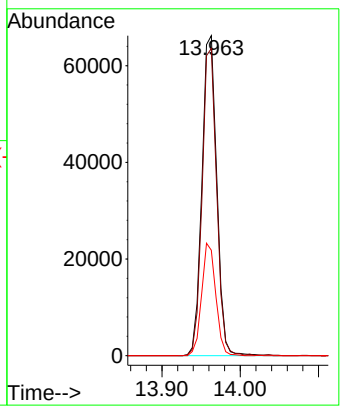



#96
1,2,3-Trichlorobenzene
Concen: 46.788 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043948.D
Acq: 21 Nov 2024 20:18

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 87030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.9 | 45.6 | 136.8 |
| 145 | 33.4 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 119844 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 210147 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179277 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 88069 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 100999 | 49.135 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.280% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 75489 | 50.272 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.540% | | | |
| 50) Toluene-d8 | 8.641 | 98 | 262790 | 50.769 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.540% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 91050 | 51.686 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 103.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 83769 | 55.175 | ug/l | 99 |
| 3) Chloromethane | 1.295 | 50 | 87811 | 54.963 | ug/l | 99 |
| 4) Vinyl Chloride | 1.374 | 62 | 88877 | 52.301 | ug/l | 99 |
| 5) Bromomethane | 1.593 | 94 | 54869 | 52.486 | ug/l | 98 |
| 6) Chloroethane | 1.666 | 64 | 50225 | 48.505 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 177113 | 58.296 | ug/l | 97 |
| 8) Diethyl Ether | 2.130 | 74 | 56649 | 51.158 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78101 | 53.892 | ug/l | 99 |
| 10) Methyl Iodide | 2.441 | 142 | 94503 | 52.213 | ug/l | 98 |
| 11) Tert butyl alcohol | 3.002 | 59 | 78161 | 236.901 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 70195 | 50.831 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 87414 | 251.363 | ug/l | 96 |
| 14) Allyl chloride | 2.654 | 41 | 121345 | 53.777 | ug/l | 98 |
| 15) Acrylonitrile | 3.063 | 53 | 213507 | 265.550 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 236749 | 250.770 | ug/l | 97 |
| 17) Carbon Disulfide | 2.502 | 76 | 135635 | 47.616 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 113509 | 51.629 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 267063 | 53.261 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 81941 | 51.146 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 74796 | 52.461 | ug/l | 98 |
| 22) Diisopropyl ether | 3.758 | 45 | 257734 | 53.416 | ug/l | 95 |
| 23) Vinyl Acetate | 3.715 | 43 | 1126489 | 272.921 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 150069 | 53.913 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 316605 | 259.902 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 130610 | 51.956 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 91683 | 52.023 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 59099 | 48.235 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 192093 | 257.216 | ug/l | 99 |
| 30) Chloroform | 5.080 | 83 | 158800 | 53.043 | ug/l | 96 |
| 31) Cyclohexane | 5.458 | 56 | 122162 | 53.324 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 140772 | 54.526 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 103967 | 55.562 | ug/l | 98 |
| 37) Ethyl Acetate | 4.715 | 43 | 121804 | 52.440 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 113421 | 53.945 | ug/l | 98 |
| 39) Methylcyclohexane | 7.373 | 83 | 133332 | 54.849 | ug/l | 98 |
| 40) Benzene | 6.032 | 78 | 314837 | 54.016 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 61474 | 51.710 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 127580 | 54.501 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.336 | 43 | 196481 | 53.153 | ug/l | | 99 |
| 44) Trichloroethene | 7.117 | 130 | 77355 | 46.882 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 7.421 | 63 | 78579 | 55.044 | ug/l | | 98 |
| 46) Dibromomethane | 7.574 | 93 | 60885 | 53.916 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 110672 | 54.645 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 93037 | 52.453 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 30231 | 956.809 | ug/l | | 89 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 607788 | 269.433 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 191750 | 54.965 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 113533 | 54.971 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 122380 | 54.052 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 75441 | 52.387 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 121914 | 54.352 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 132364 | 54.563 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 301050 | 244.819 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 456702 | 269.358 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 77811 | 53.853 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 78690 | 54.040 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 64266 | 54.365 | ug/l | | 98 |
| 65) Chlorobenzene | 10.073 | 112 | 207265 | 52.640 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 70047 | 54.854 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 369374 | 55.362 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 275579 | 110.758 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 134066 | 55.187 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 225568 | 56.140 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 47233 | 48.773 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 352296 | 52.039 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 162994 | 51.973 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 119153 | 51.403 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 131164 | 67.913 | ug/l | | 82 |
| 77) Bromobenzene | 11.195 | 156 | 82907 | 51.338 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 406514 | 53.765 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 246574 | 51.573 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 295006 | 52.968 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 34321 | 48.492 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 281758 | 52.200 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 291225 | 52.754 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 299186 | 53.956 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 360460 | 53.293 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 304159 | 55.361 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 153209 | 52.089 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 154469 | 51.511 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 268422 | 55.414 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 47025 | 50.336 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 155184 | 52.281 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 24188 | 52.076 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 94940 | 54.252 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 35816 | 51.785 | ug/l | | 96 |
| 95) Naphthalene | 13.774 | 128 | 347826 | 55.215 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 97491 | 55.041 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

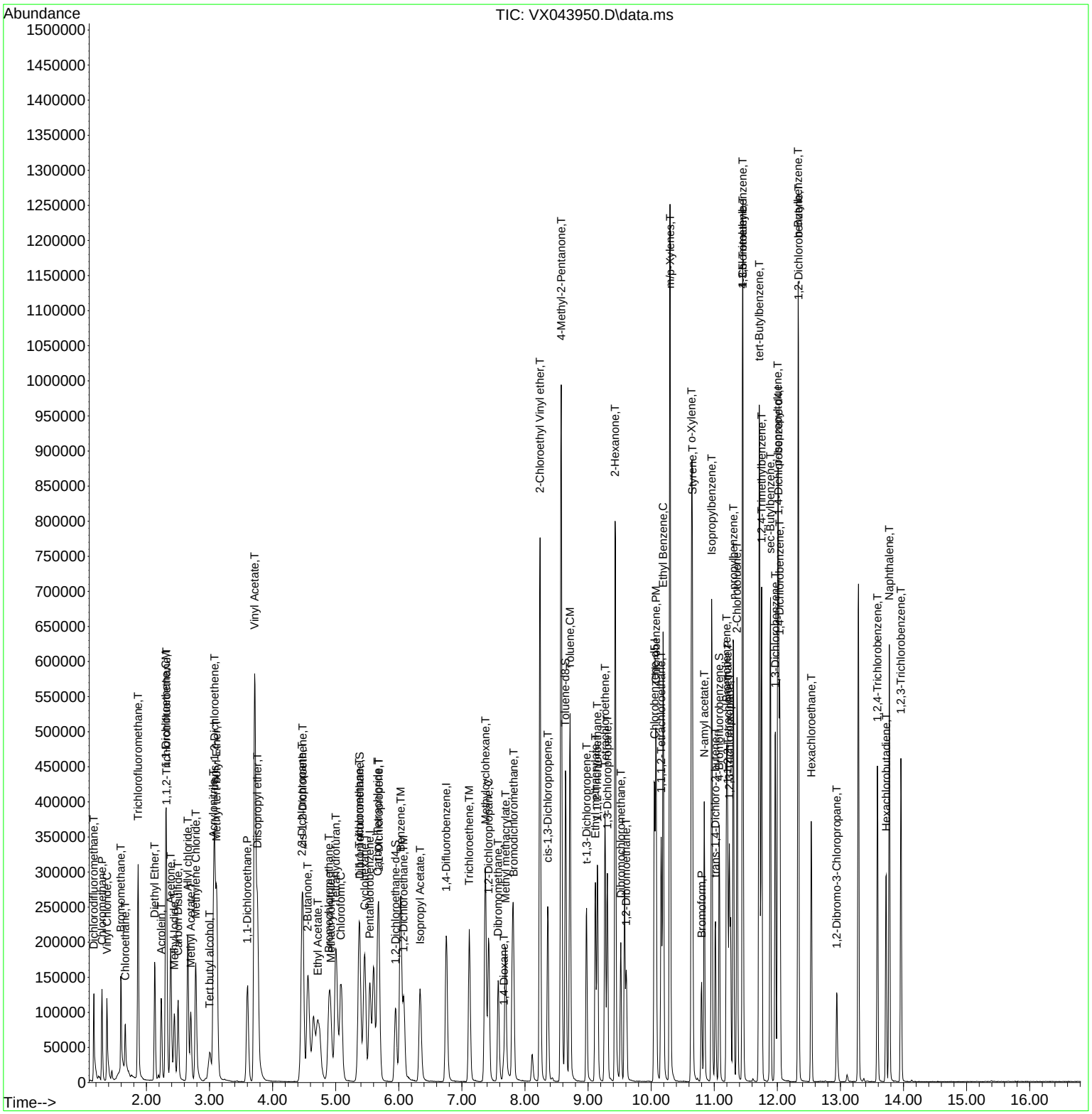
(#) = qualifier out of range (m) = manual integration (+) = signals summed

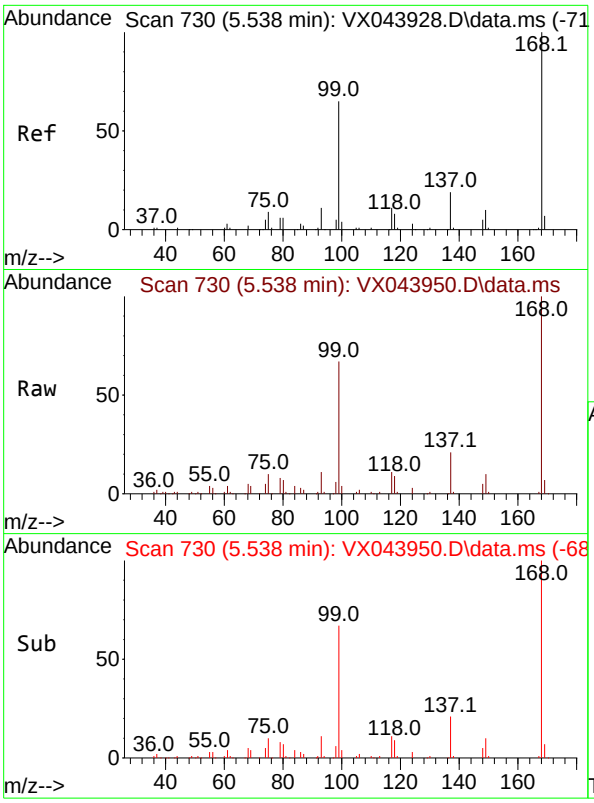
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043950.D
Acq On : 22 Nov 2024 11:22
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



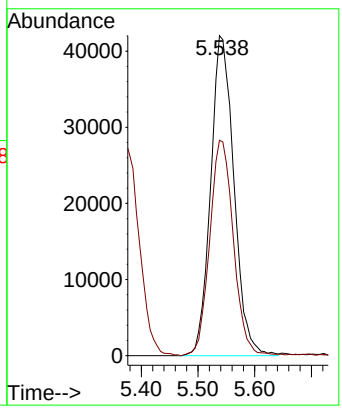


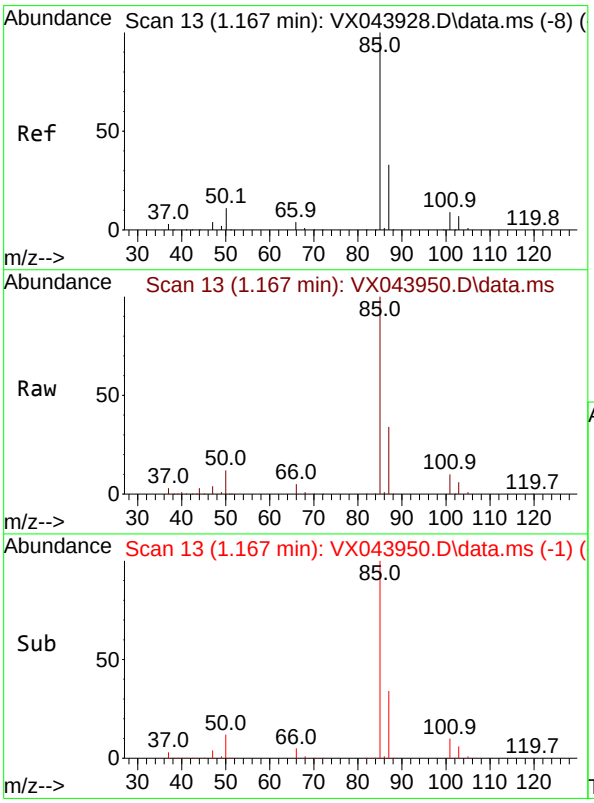

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 119844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 67.1 | 51.8 | 77.8 |

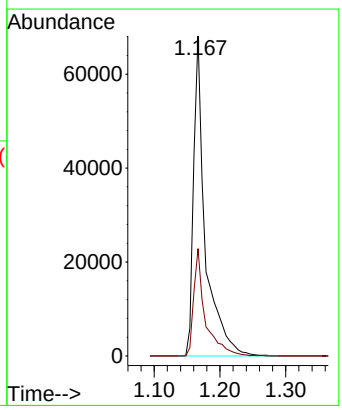


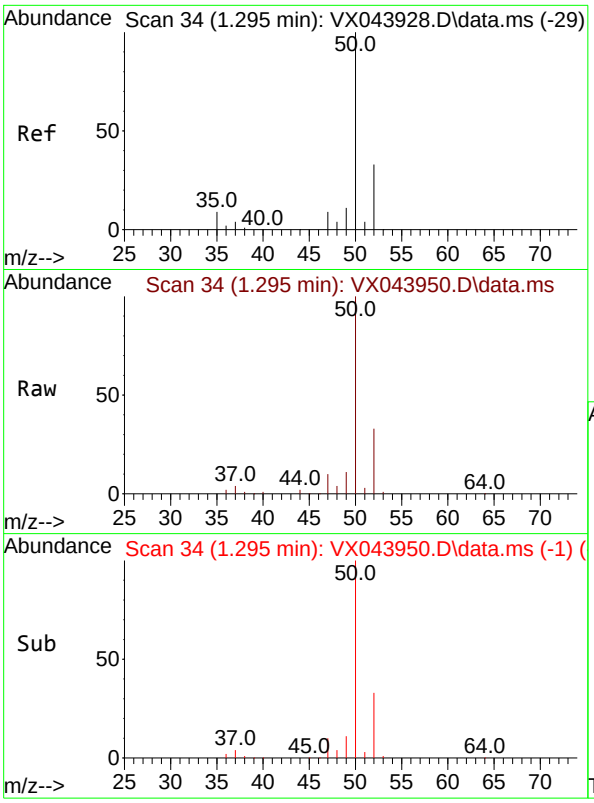




#2
Dichlorodifluoromethane
Concen: 55.175 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.5 | 16.6 | 49.8 |



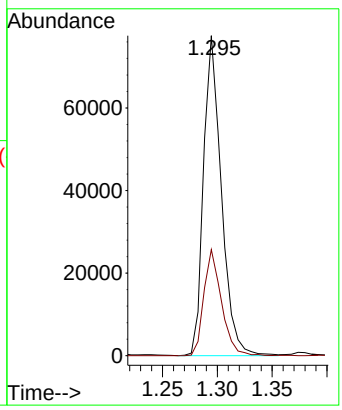


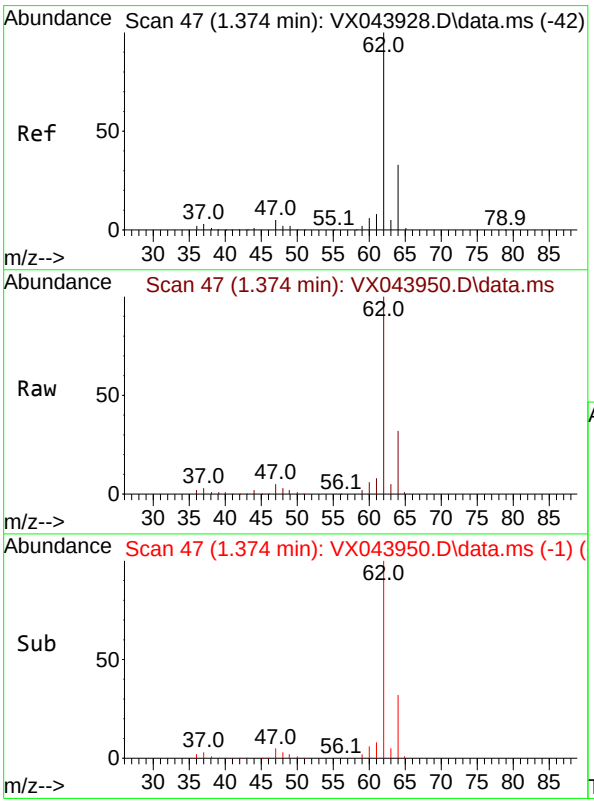

#3
Chloromethane
Concen: 54.963 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 87811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.1 | 26.1 | 39.1 |

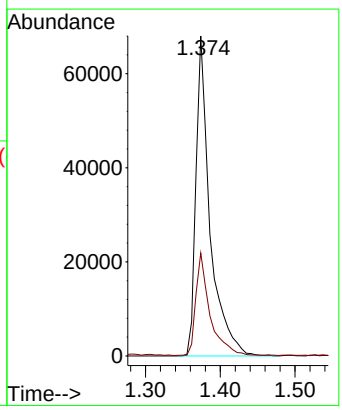


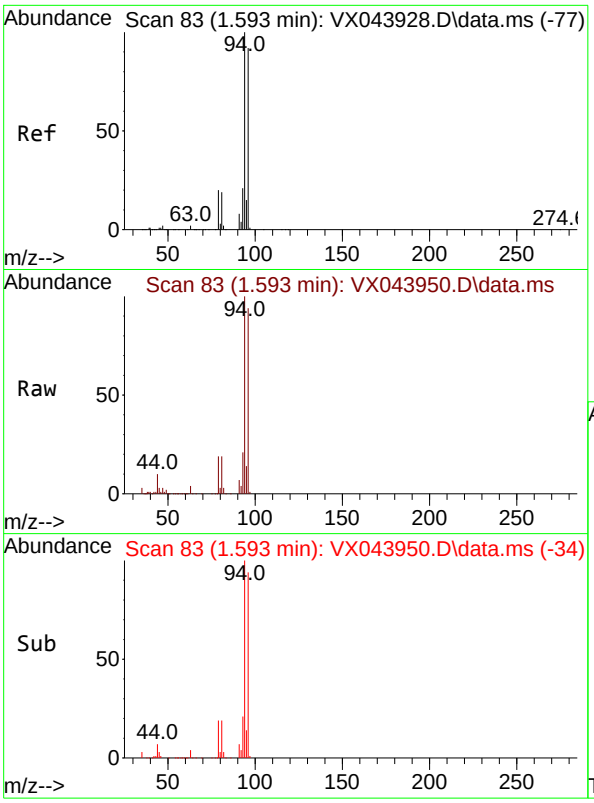




#4
Vinyl Chloride
Concen: 52.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 26.2 | 39.4 |



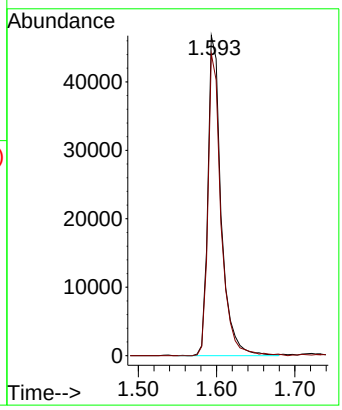


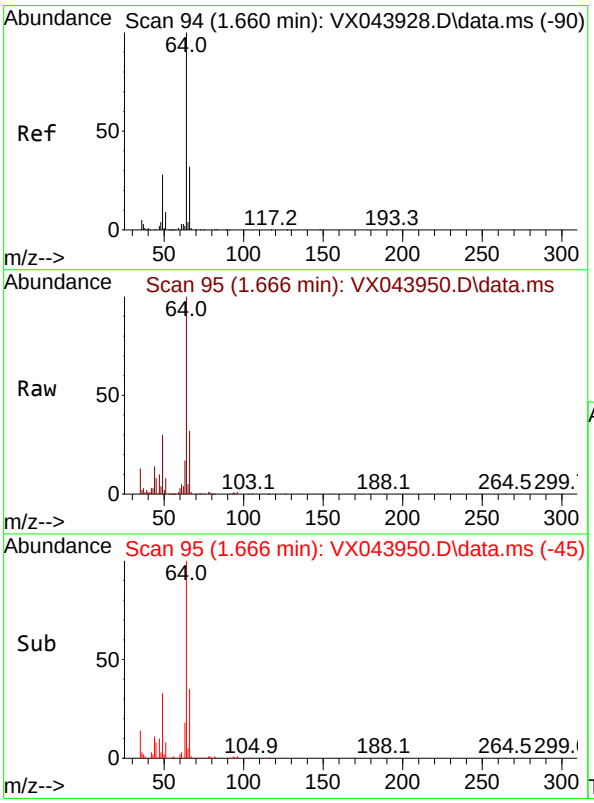

#5
Bromomethane
Concen: 52.486 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 54869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.3 | 73.9 | 110.9 |

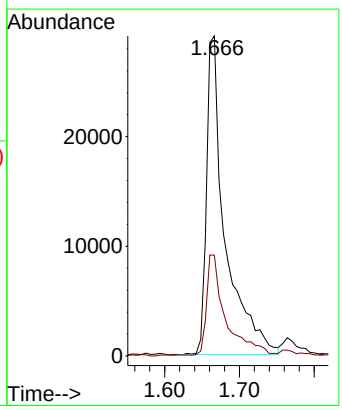


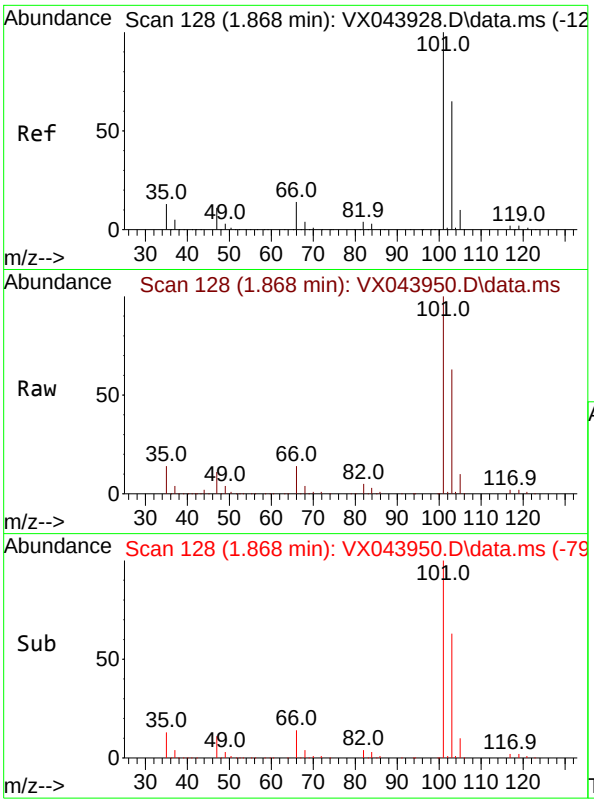




#6
Chloroethane
Concen: 48.505 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 64 Resp: 50225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 25.9 | 38.9 |



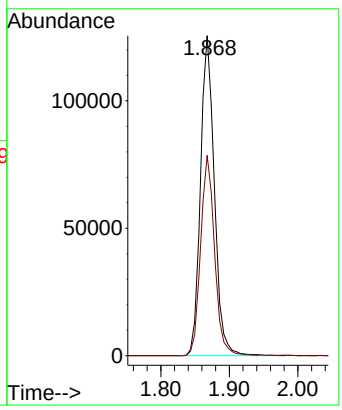


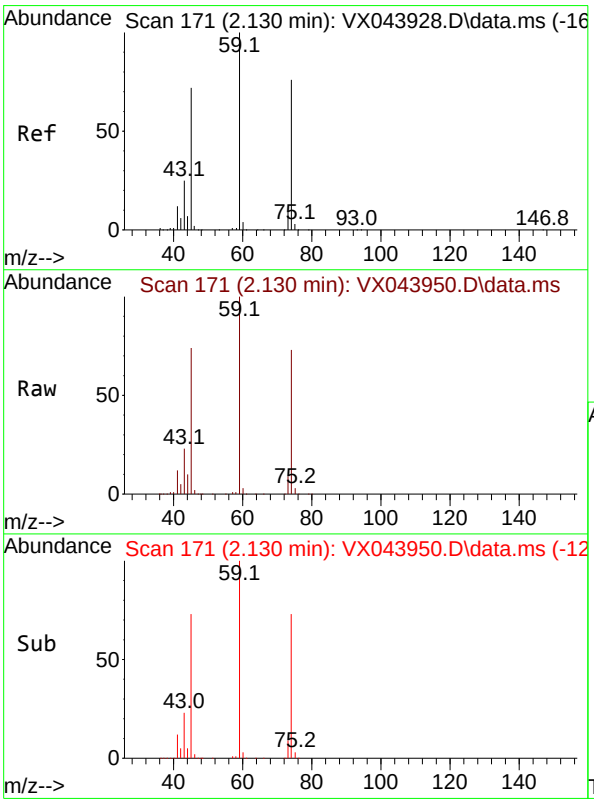

#7
Trichlorofluoromethane
Concen: 58.296 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 177113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.6 | 52.2 | 78.2 |

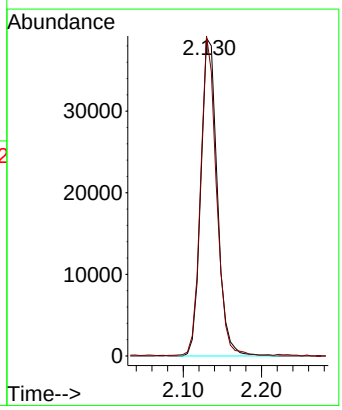


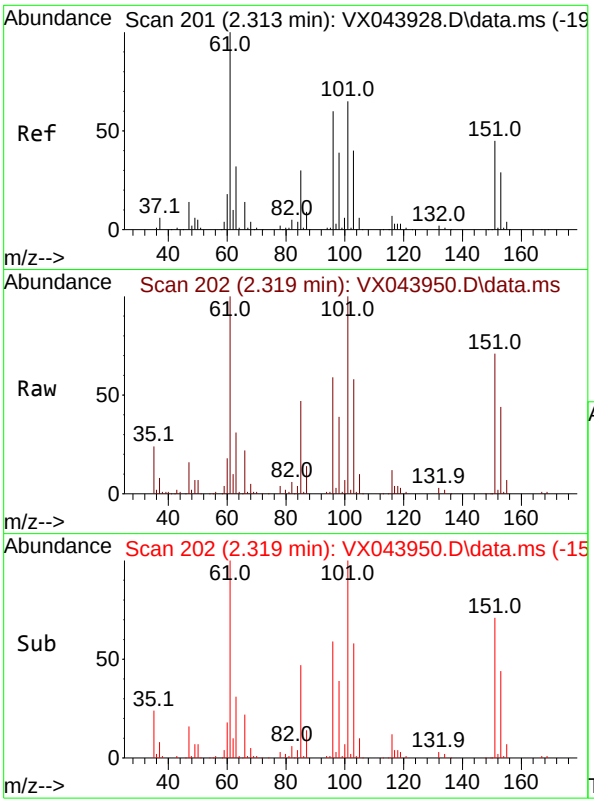




#8
Diethyl Ether
Concen: 51.158 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |



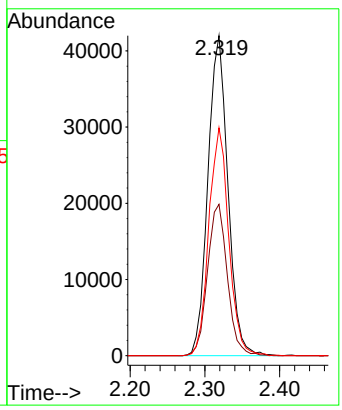


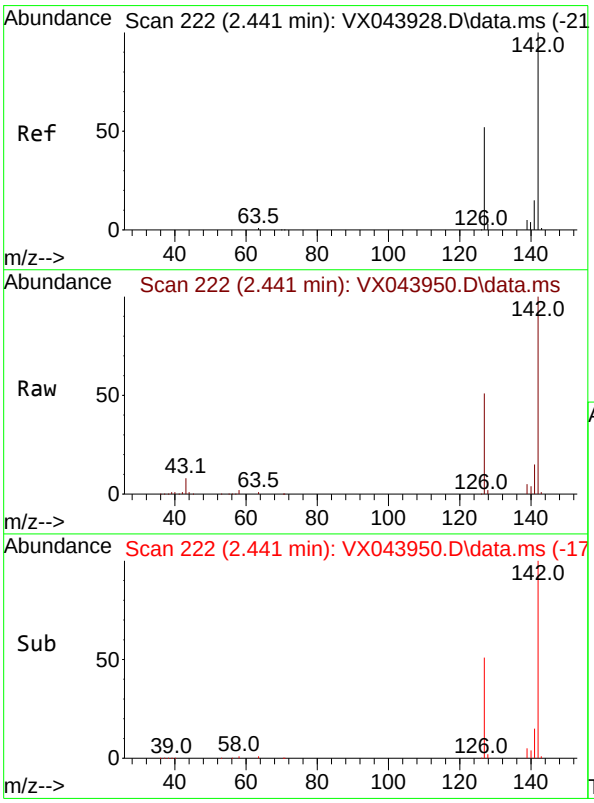

#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.892 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 78101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.1 | 37.9 | 56.9 |
| 151 | 70.9 | 57.5 | 86.3 |

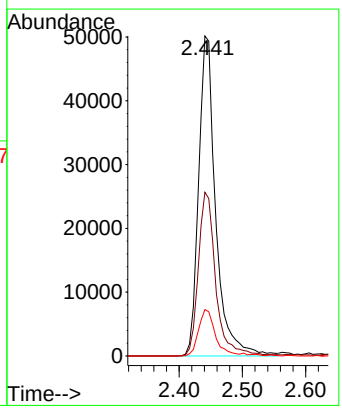


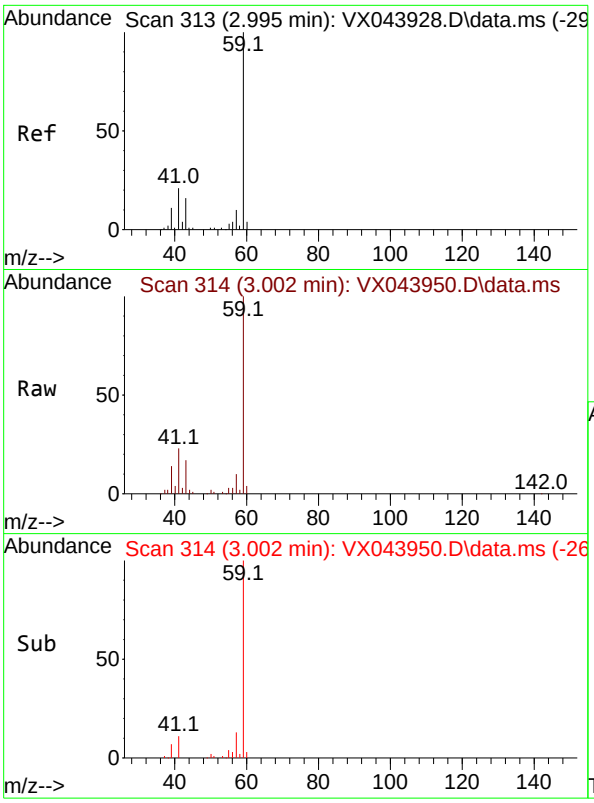




#10
Methyl Iodide
Concen: 52.213 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 52.2 | 40.7 | 61.1 |
| 141 | 14.7 | 12.0 | 18.0 |



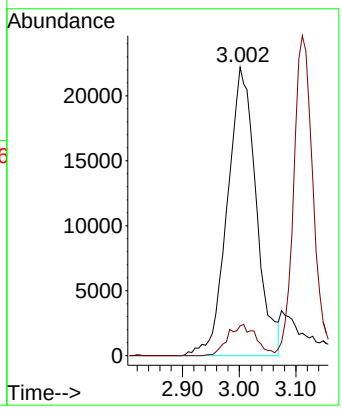


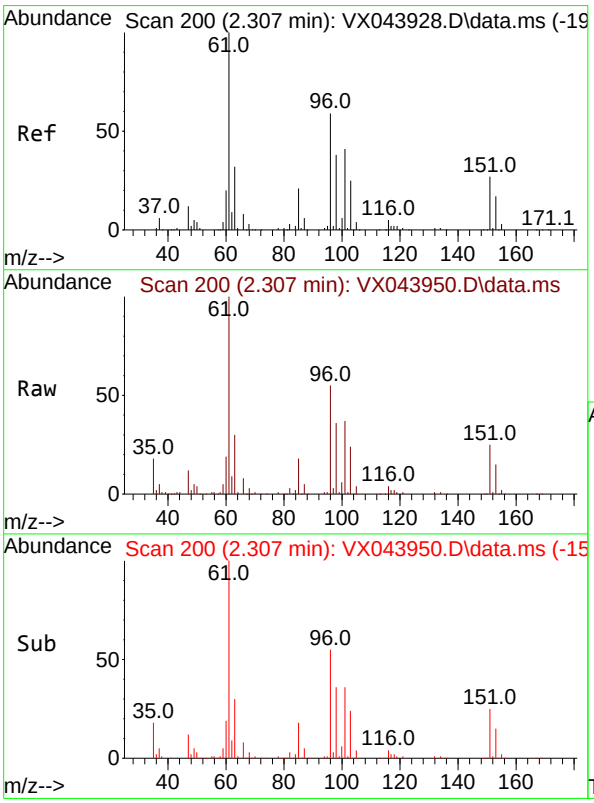

#11
Tert butyl alcohol
Concen: 236.901 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 78161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 7.9 | 11.9 |

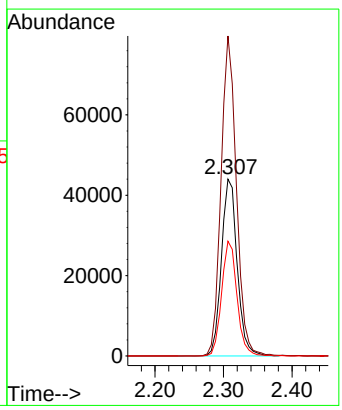


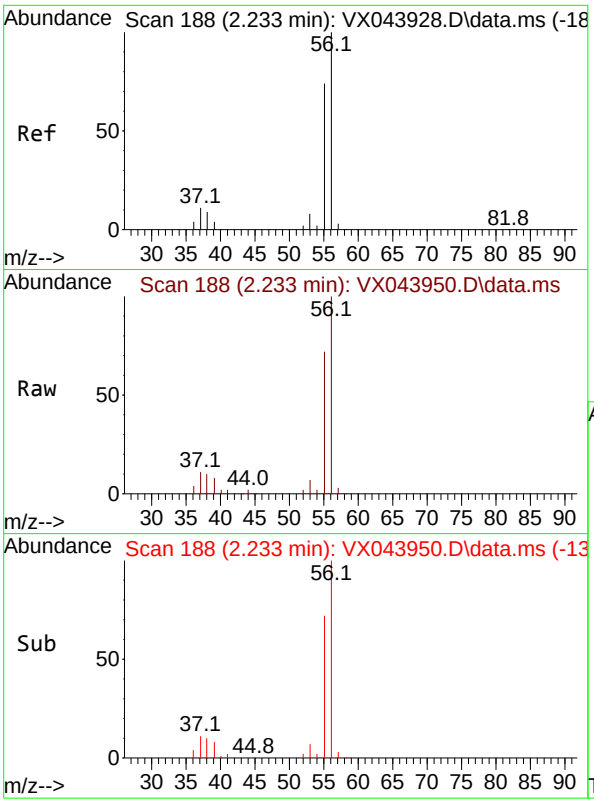




#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 181.0 | 135.5 | 203.3 |
| 98 | 64.9 | 50.8 | 76.2 |



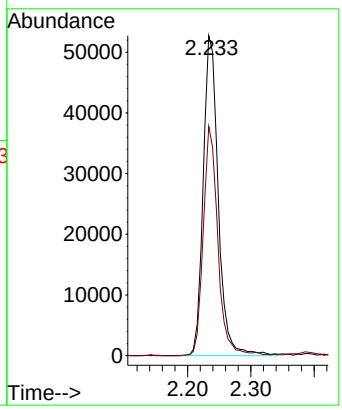


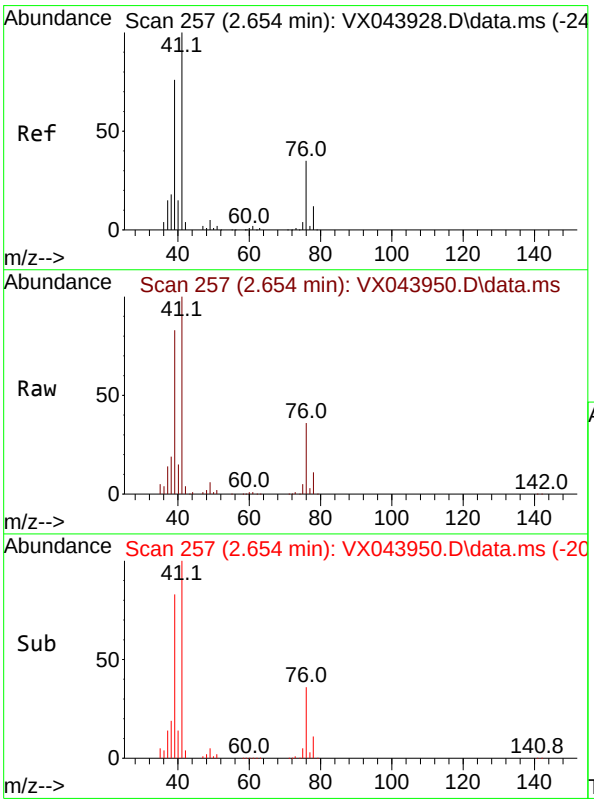

#13
Acrolein
Concen: 251.363 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 87414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.6 | 58.2 | 87.2 |

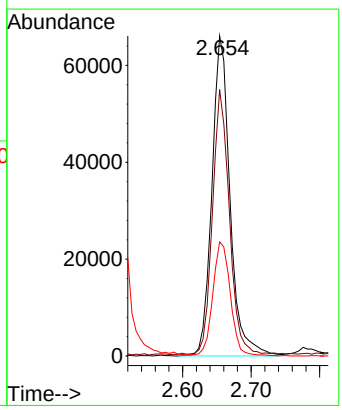


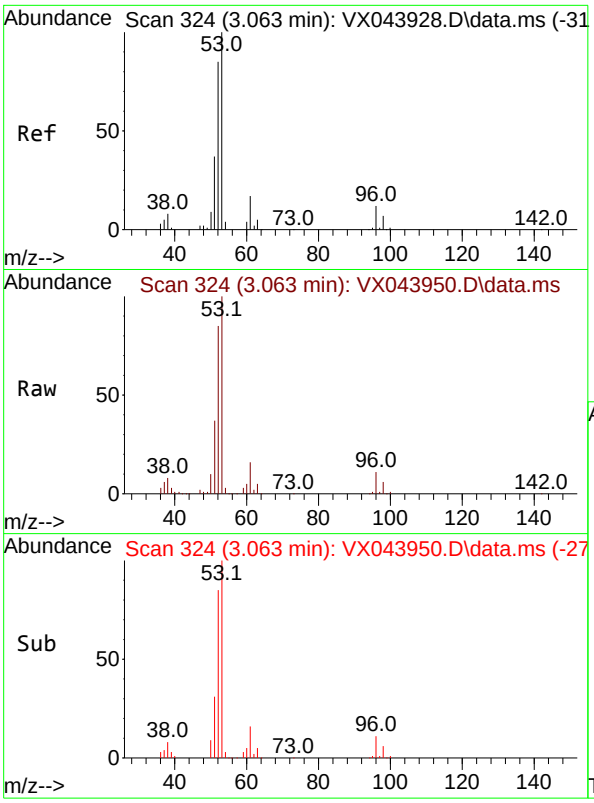




#14
Allyl chloride
Concen: 53.777 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.5 | 27.4 | 41.2 |



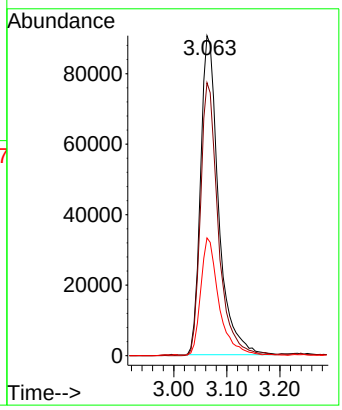


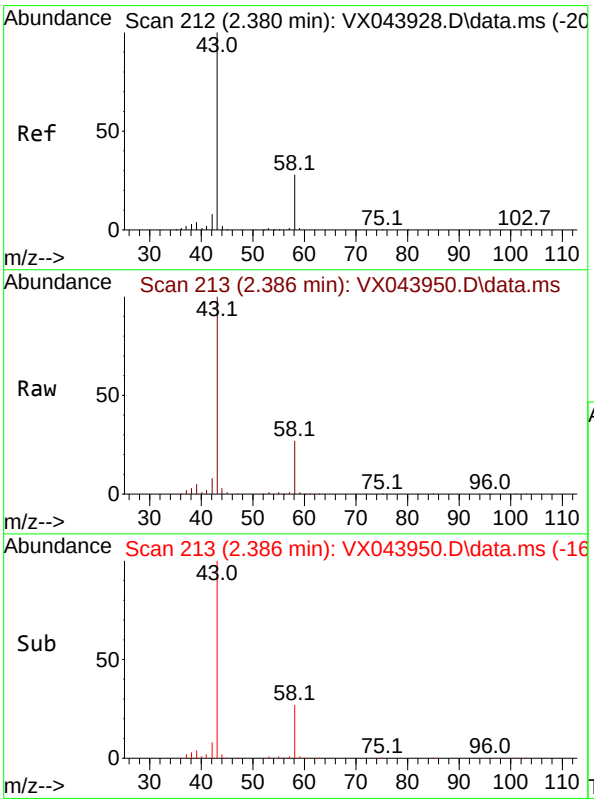

#15
Acrylonitrile
Concen: 265.550 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 213507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 84.3 | 66.5 | 99.7 |
| 51 | 37.3 | 30.2 | 45.4 |

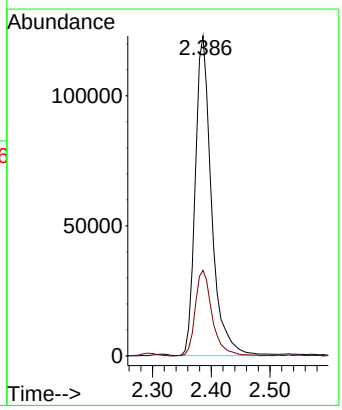


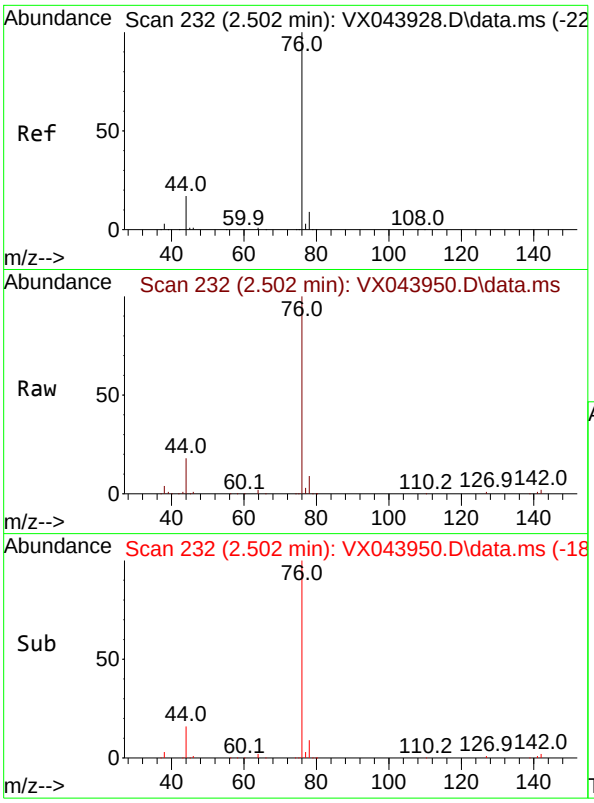




#16
Acetone
Concen: 250.770 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 26.7 | 22.7 | 34.1 |



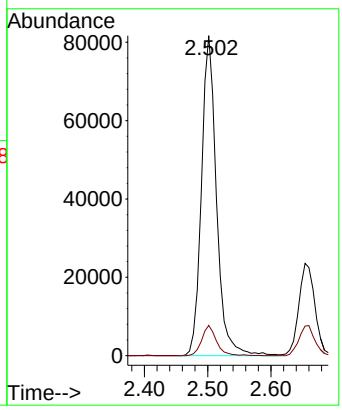


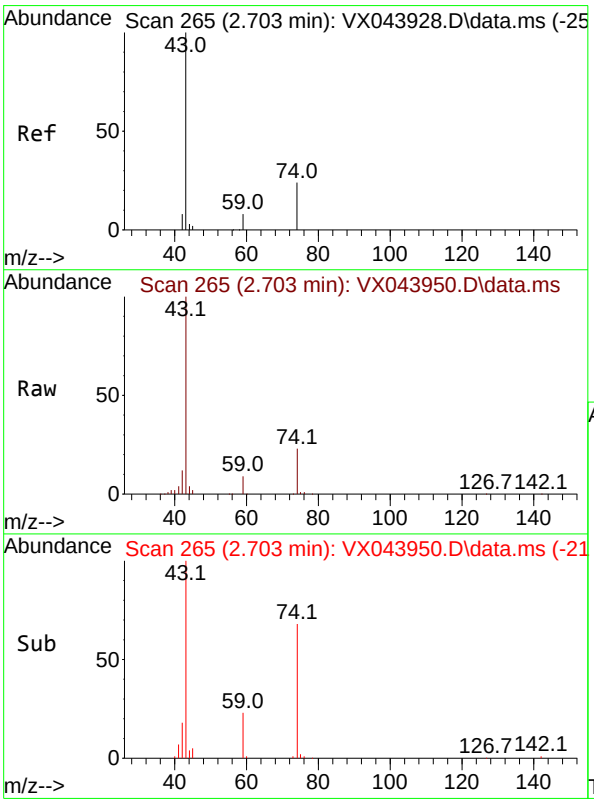

#17
Carbon Disulfide
Concen: 47.616 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 135635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.0 | 10.6 |

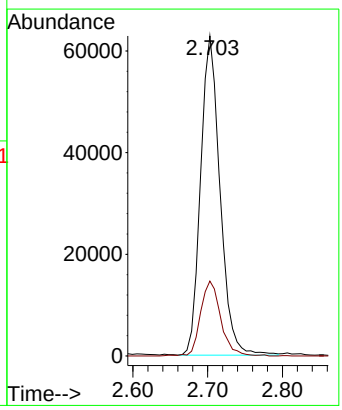


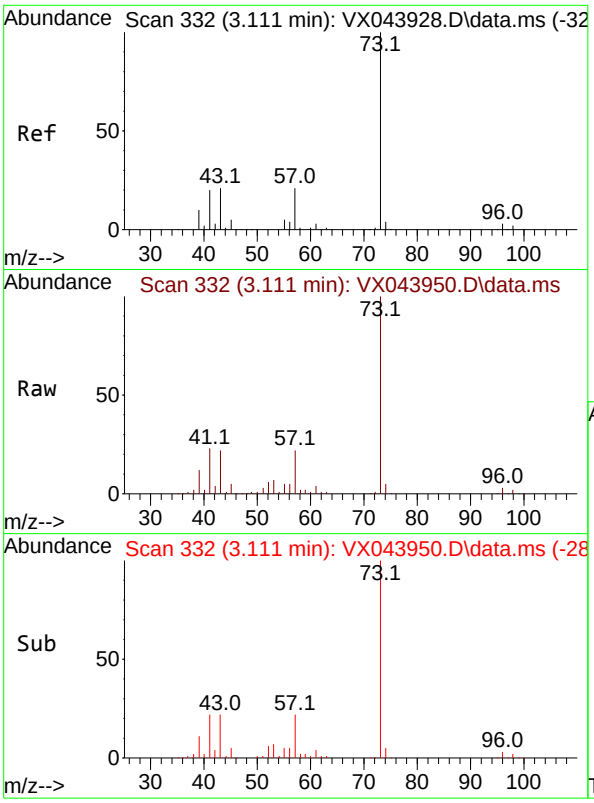




#18
Methyl Acetate
Concen: 51.629 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 24.4 | 18.9 | 28.3 |



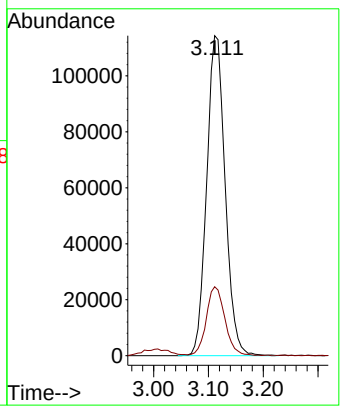


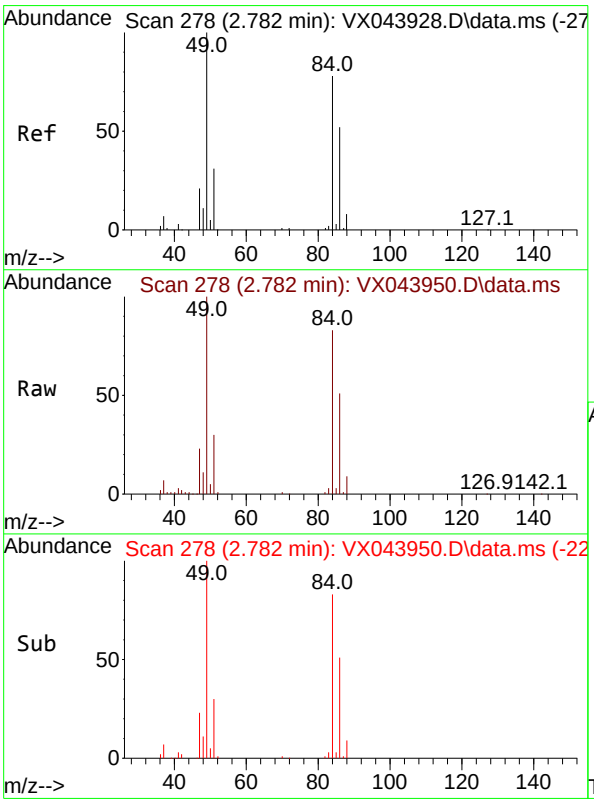

#19
Methyl tert-butyl Ether
Concen: 53.261 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 267063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.5 | 17.0 | 25.6 |

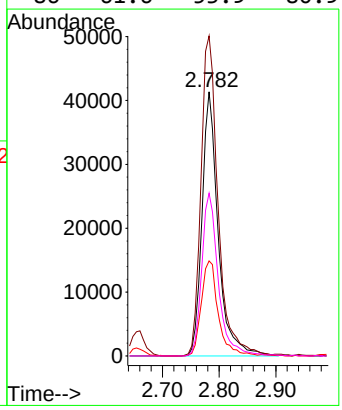


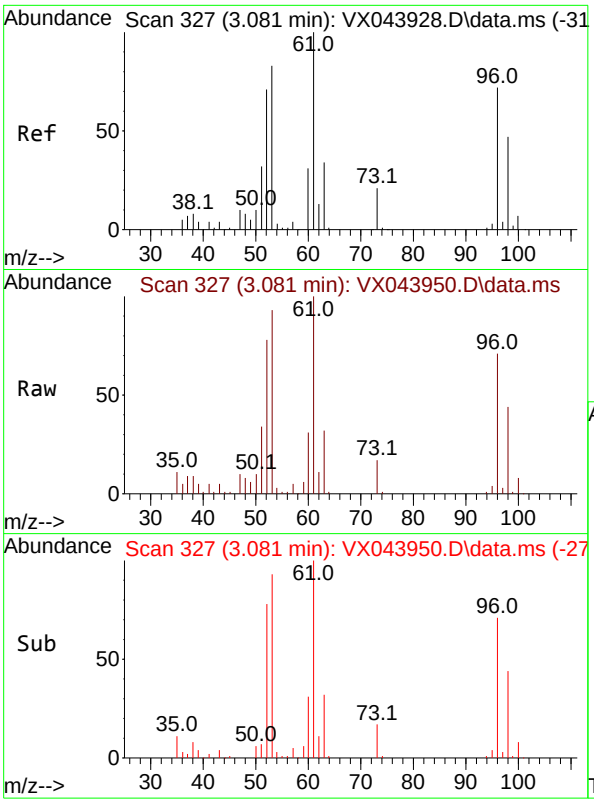




#20
Methylene Chloride
Concen: 51.146 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 121.1 | 102.7 | 154.1 |
| 51 | 36.0 | 31.7 | 47.5 |
| 86 | 61.6 | 53.9 | 80.9 |



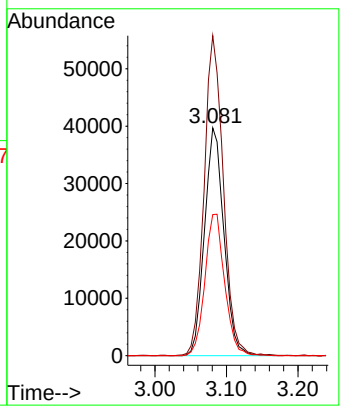


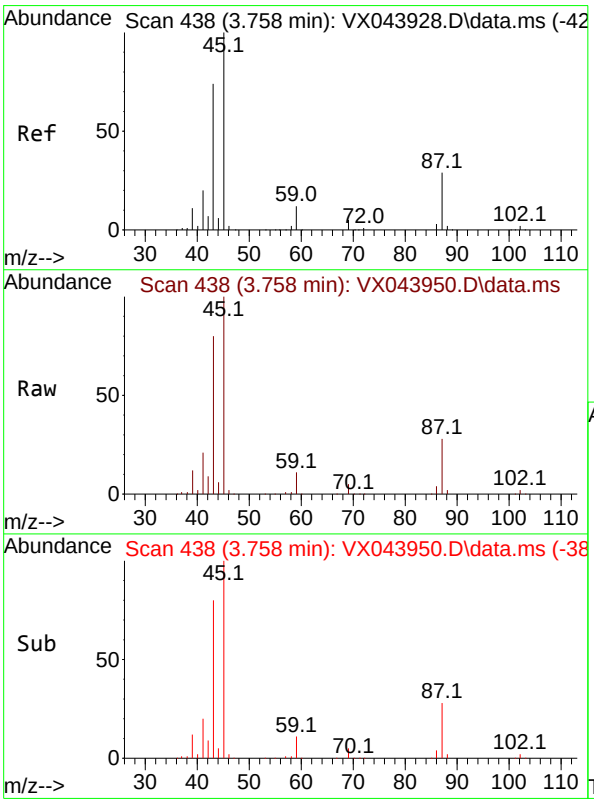

#21
trans-1,2-Dichloroethene
Concen: 52.461 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 74796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.3 | 111.8 | 167.6 |
| 98 | 61.9 | 52.7 | 79.1 |

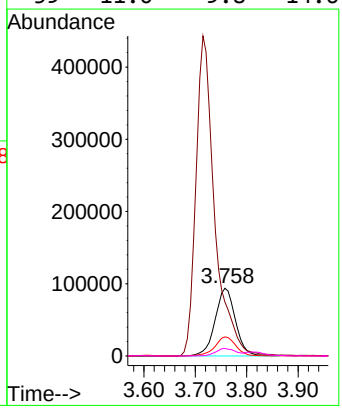


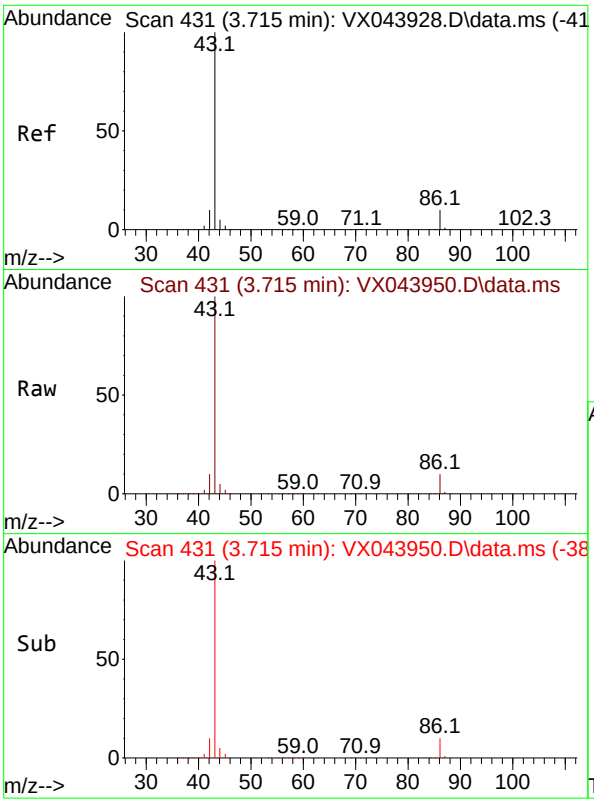




#22
Diisopropyl ether
Concen: 53.416 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 79.7 | 59.6 | 89.4 |
| 87 | 28.1 | 22.9 | 34.3 |
| 59 | 11.0 | 9.8 | 14.6 |



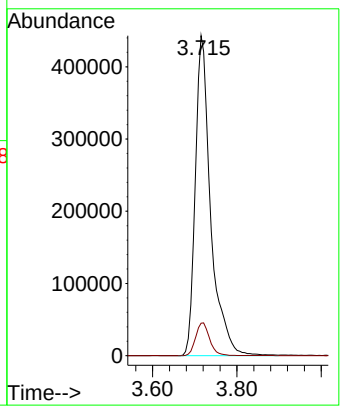


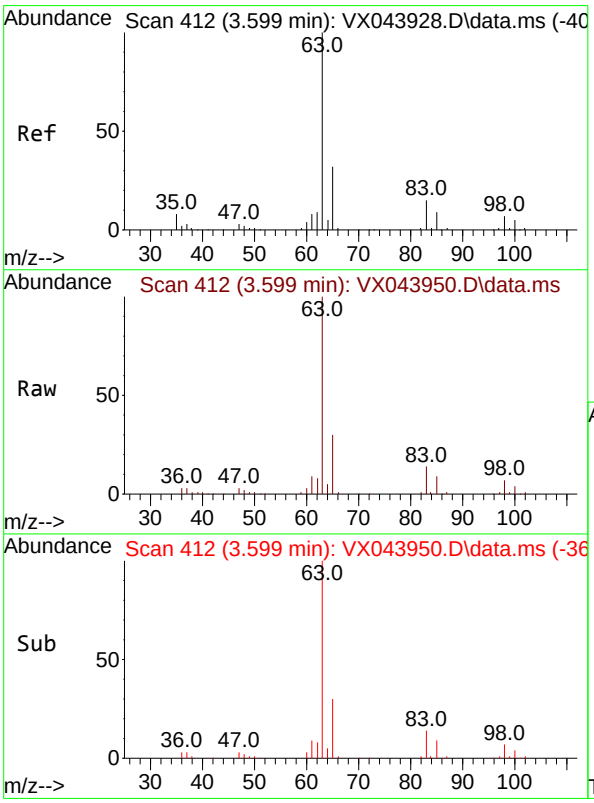

#23
Vinyl Acetate
Concen: 272.921 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1126489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 8.3 | 12.5 |

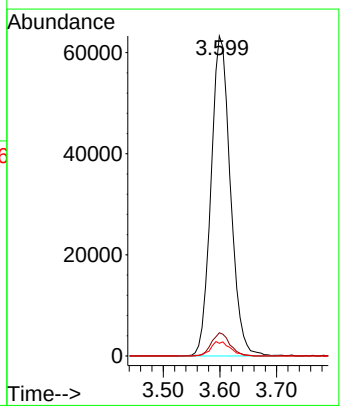


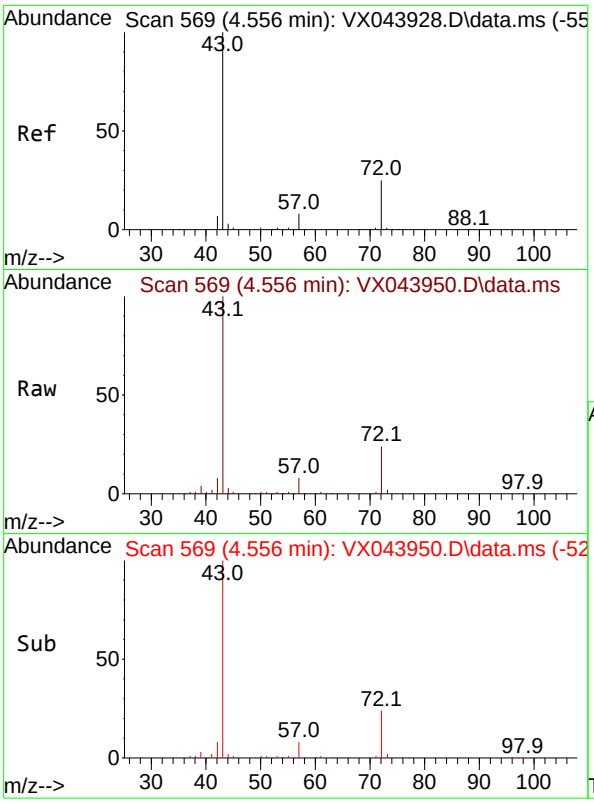




#24
1,1-Dichloroethane
Concen: 53.913 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.5 | 10.6 |
| 100 | 3.9 | 2.4 | 7.1 |



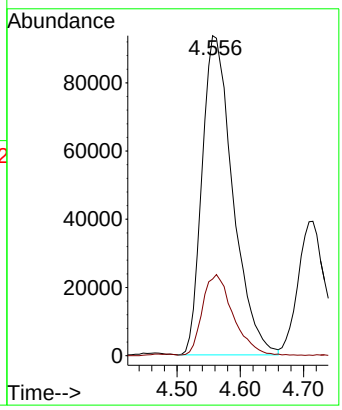


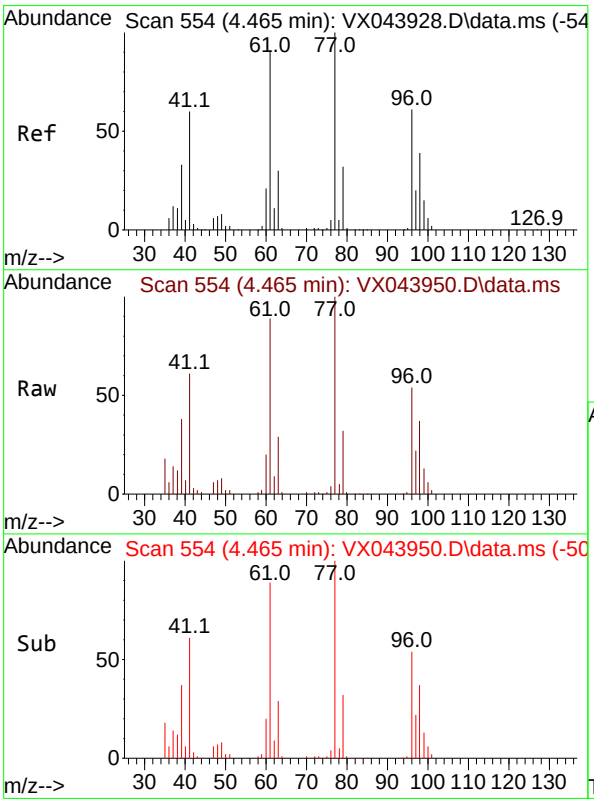

#25
2-Butanone
Concen: 259.902 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 316605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.2 | 30.2 |

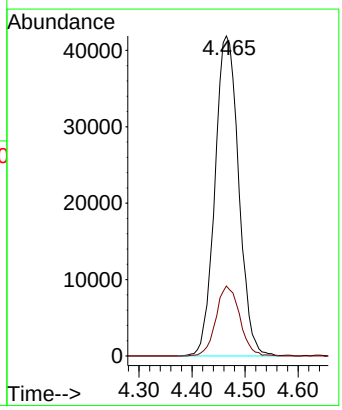


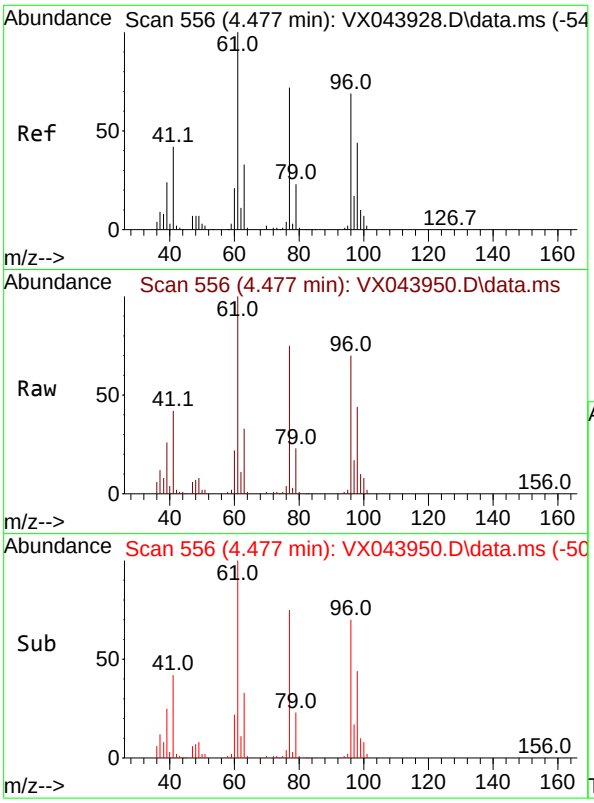




#26
2,2-Dichloropropane
Concen: 51.956 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.8 | 32.3 |



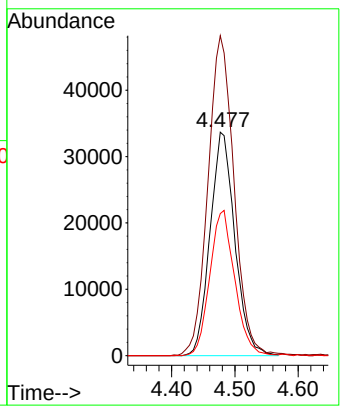


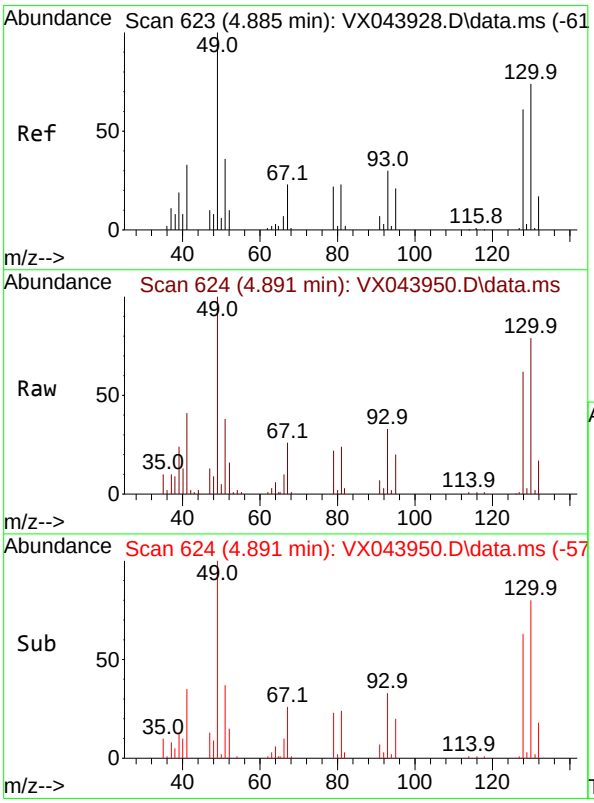

#27
cis-1,2-Dichloroethene
Concen: 52.023 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 91683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.0 | 0.0 | 297.4 |
| 98 | 65.3 | 0.0 | 127.8 |

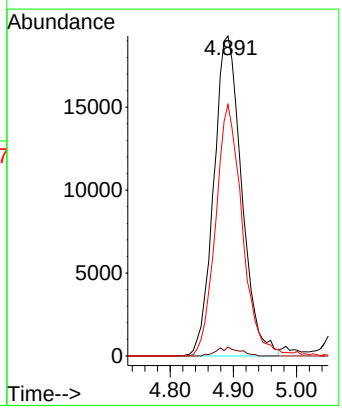


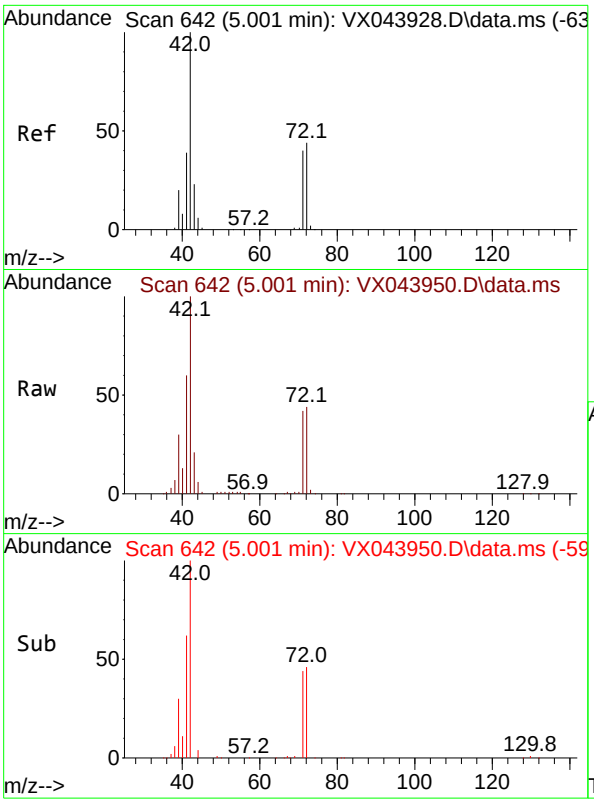




#28
Bromochloromethane
Concen: 48.235 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.3 | 0.0 | 4.0 |
| 130 | 74.9 | 59.0 | 88.6 |



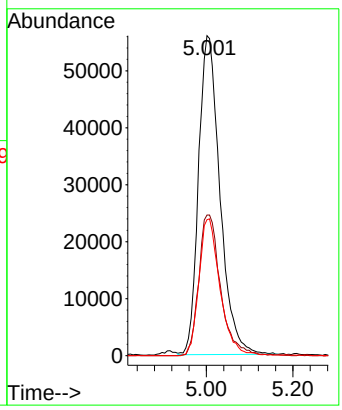


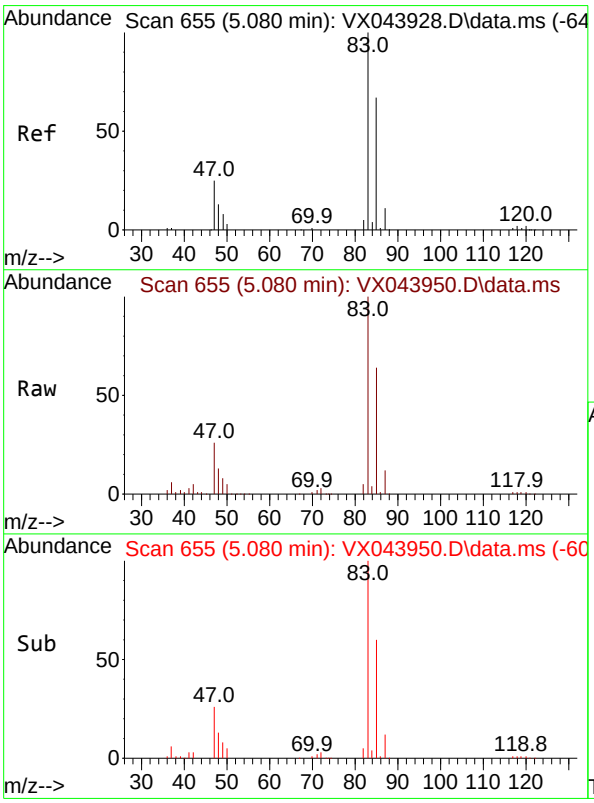

#29
Tetrahydrofuran
Concen: 257.216 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 192093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.9 | 36.4 | 54.6 |
| 71 | 42.2 | 33.4 | 50.0 |

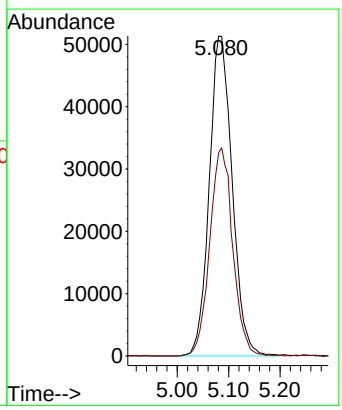


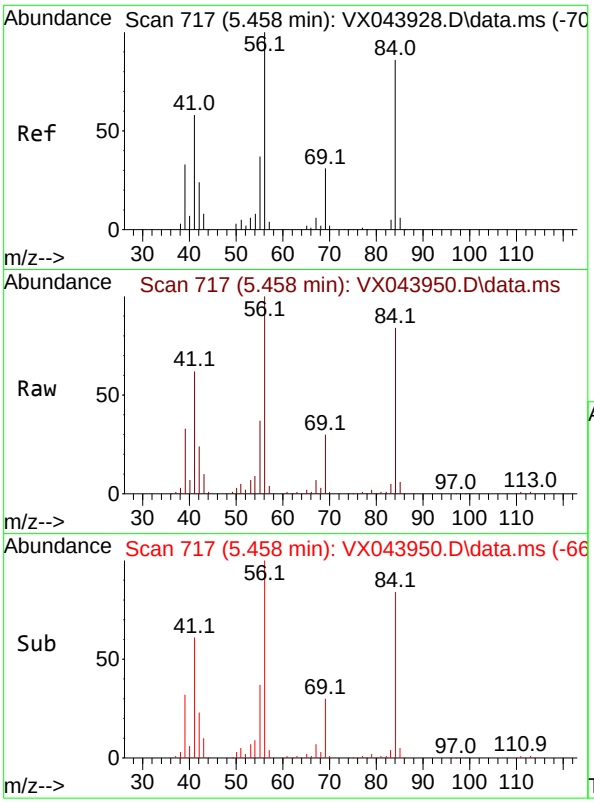




#30
Chloroform
Concen: 53.043 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 83 Resp: 158800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 53.5 | 80.3 |



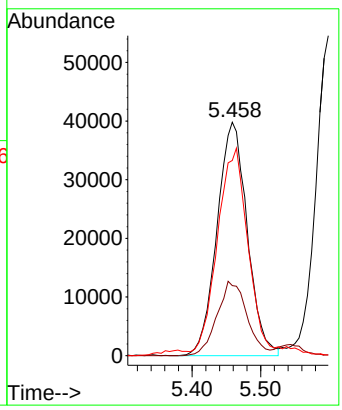


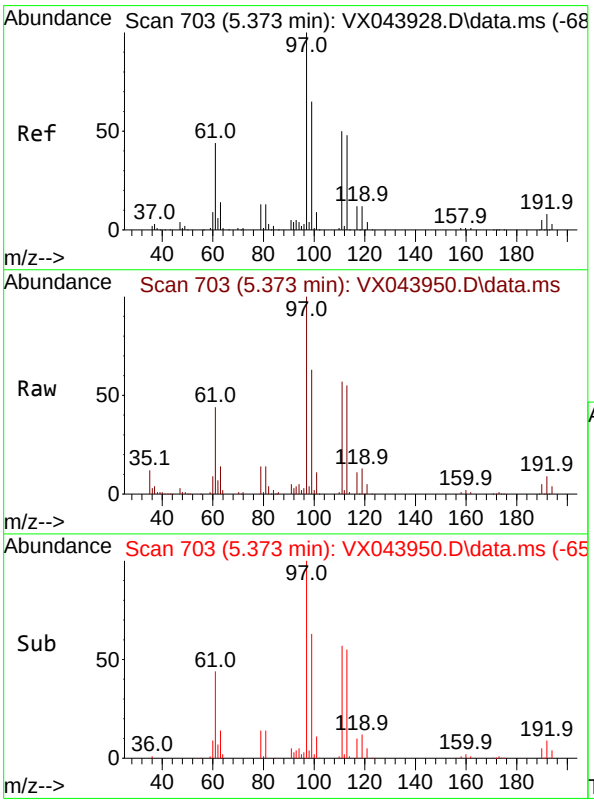

#31
Cyclohexane
Concen: 53.324 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 122162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.0 | 24.7 | 37.1 |
| 84 | 81.2 | 68.7 | 103.1 |

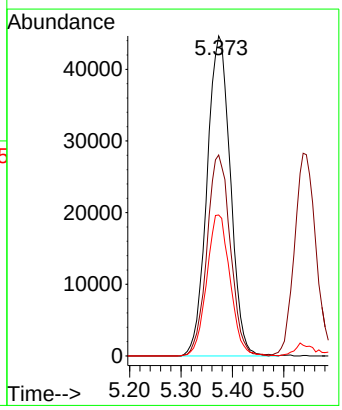


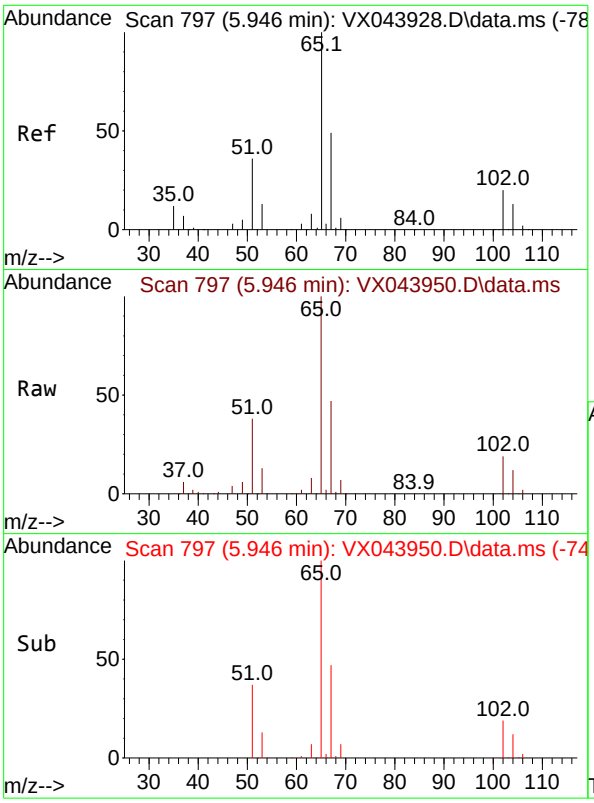




#32
1,1,1-Trichloroethane
Concen: 54.526 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.9 | 50.8 | 76.2 |
| 61 | 44.3 | 35.4 | 53.2 |



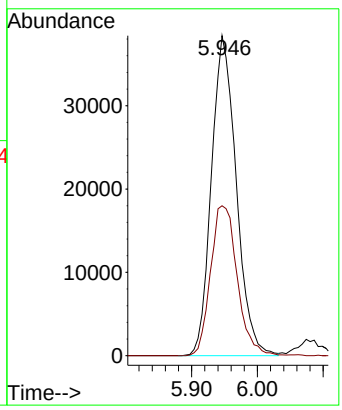


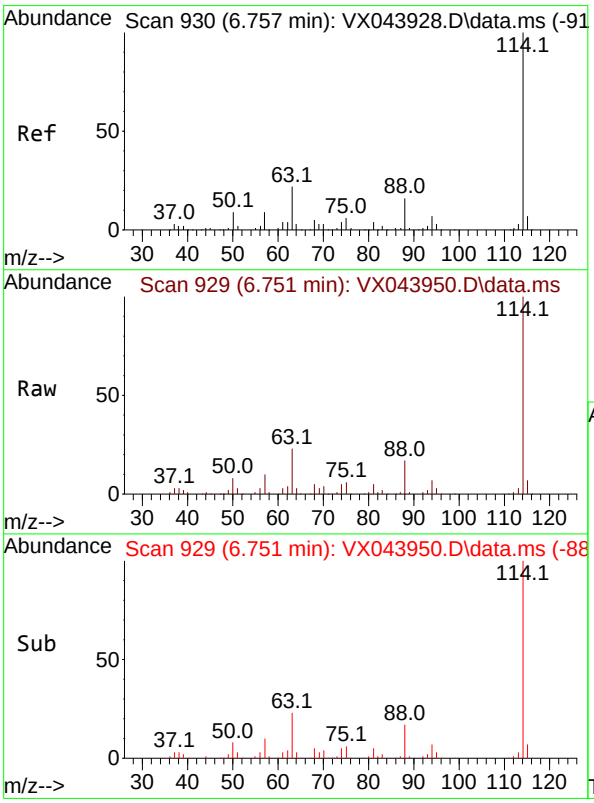

#33
1,2-Dichloroethane-d4
Concen: 49.135 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 100999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.1 | 0.0 | 100.8 |

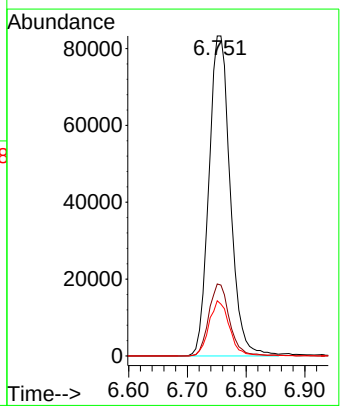


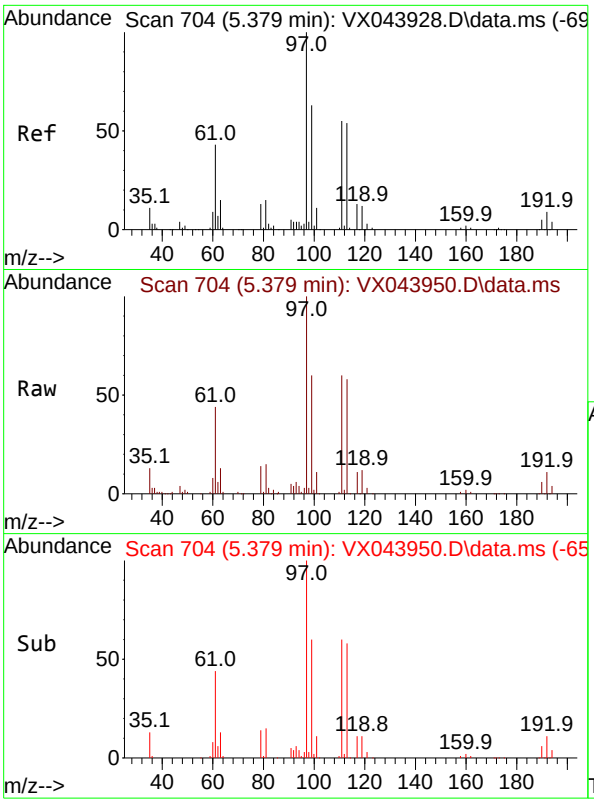




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:114 Resp: 210147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 17.3 | 0.0 | 32.4 |



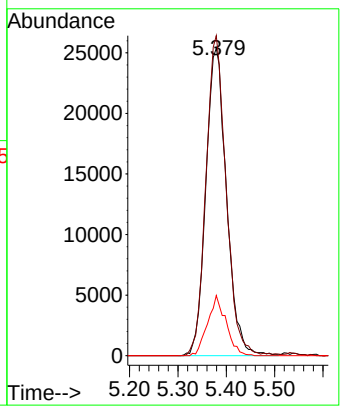


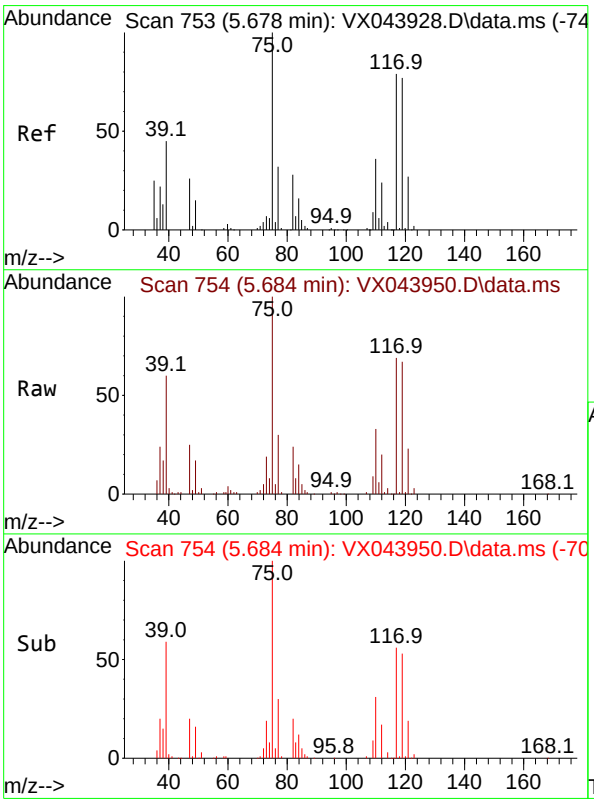

#35
Dibromofluoromethane
Concen: 50.272 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 75489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.0 | 81.0 | 121.4 |
| 192 | 17.5 | 13.0 | 19.6 |

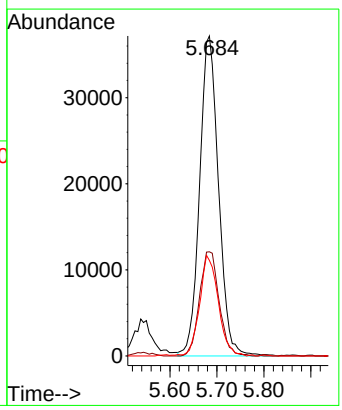


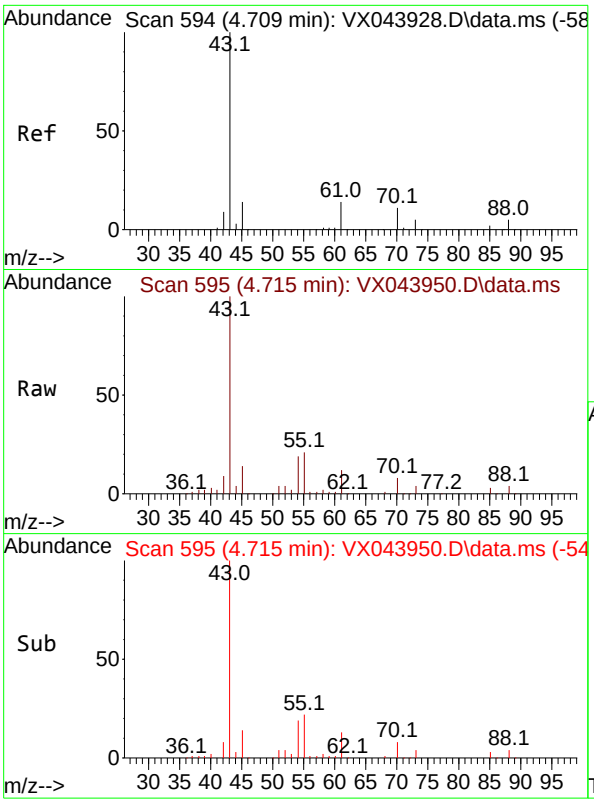




#36
1,1-Dichloropropene
Concen: 55.562 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 17.4 | 52.2 |
| 77 | 30.9 | 25.8 | 38.8 |



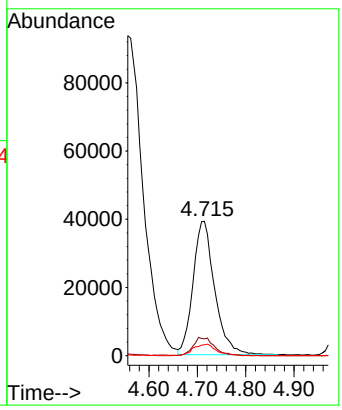


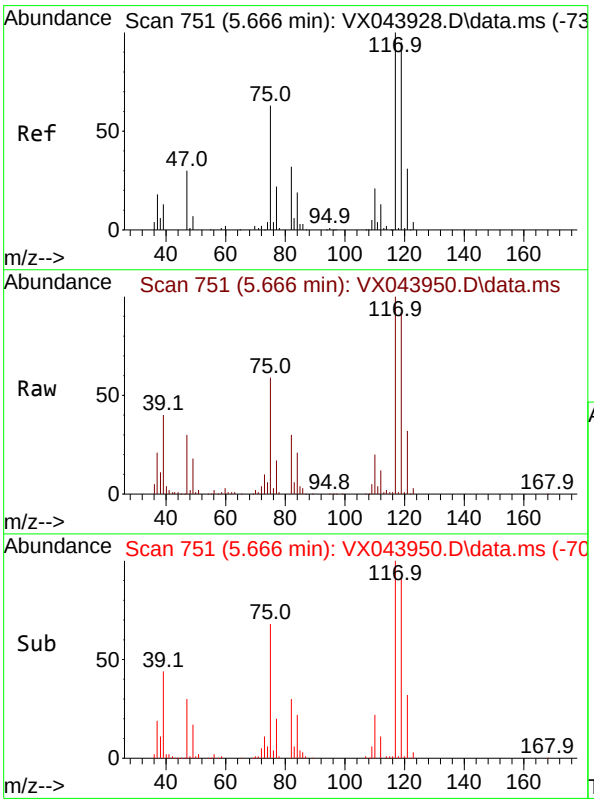

#37
Ethyl Acetate
Concen: 52.440 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 121804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.7 | 16.1 |
| 70 | 9.2 | 8.0 | 12.0 |

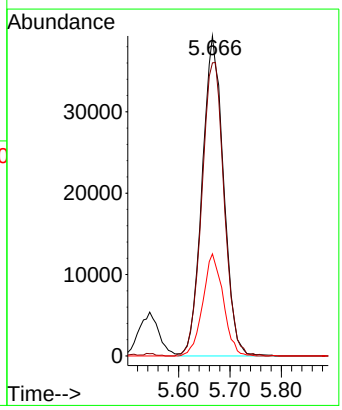


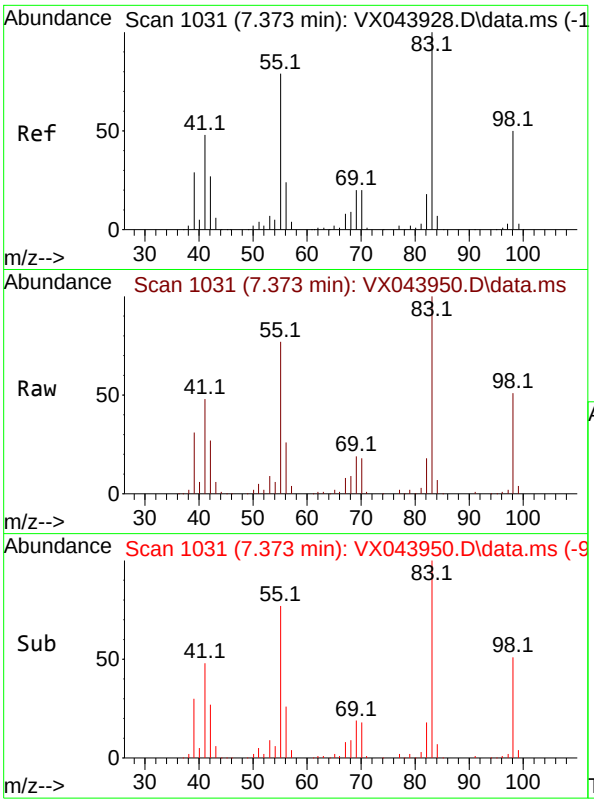




#38
Carbon Tetrachloride
Concen: 53.945 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 113421

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.6 | 75.2 | 112.8 |
| 121 | 31.9 | 24.5 | 36.7 |



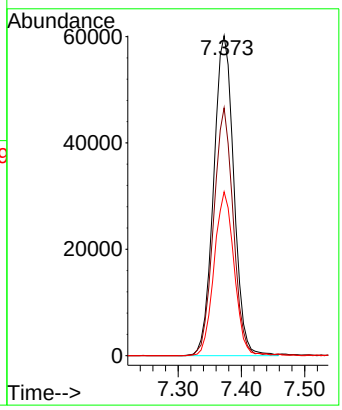


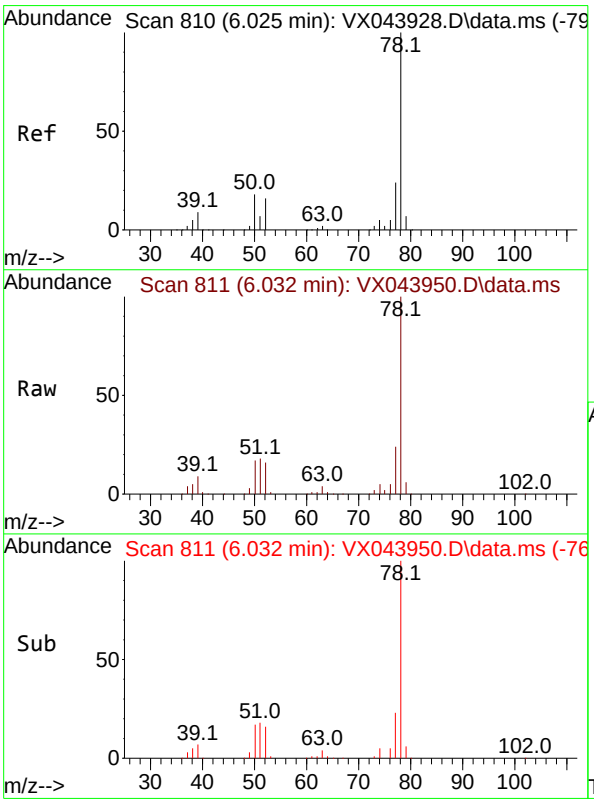

#39
Methylcyclohexane
Concen: 54.849 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 133332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 77.4 | 63.1 | 94.7 |
| 98 | 51.2 | 40.0 | 60.0 |

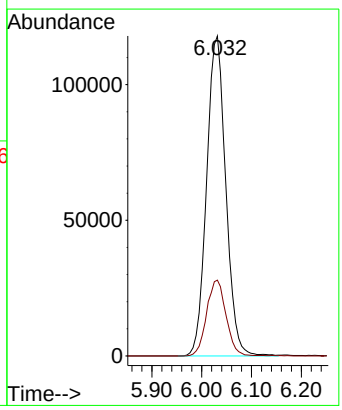


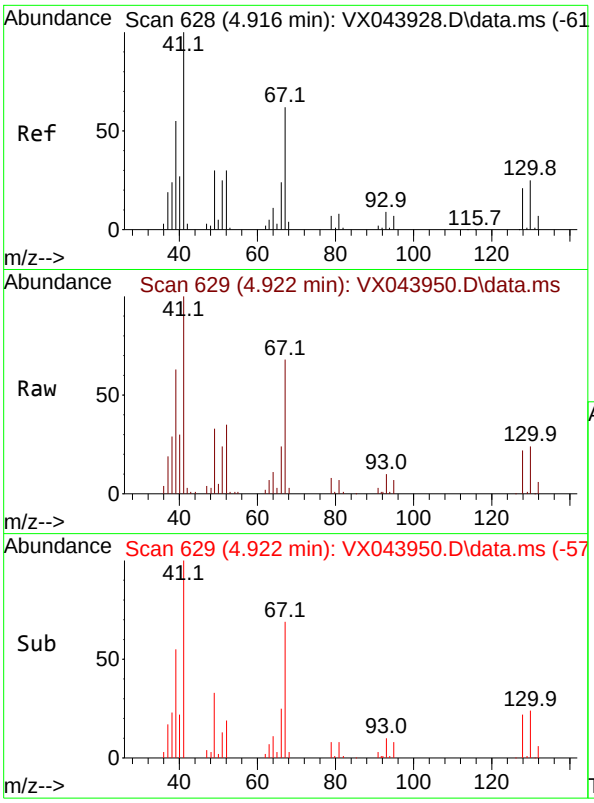




#40
Benzene
Concen: 54.016 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.7 | 19.2 | 28.8 |



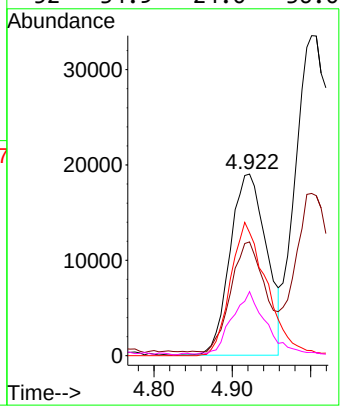


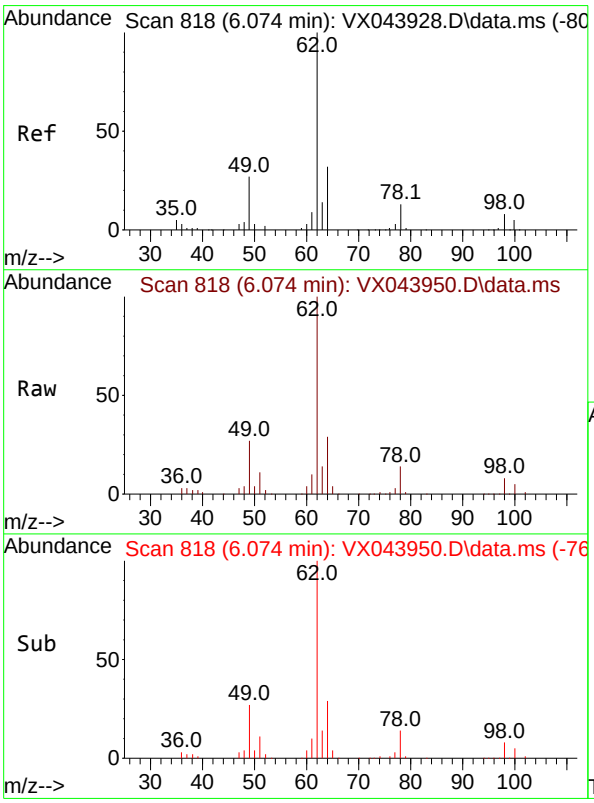

#41
Methacrylonitrile
Concen: 51.710 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 61474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.2 | 41.7 | 62.5 |
| 67 | 74.2 | 55.8 | 83.8 |
| 52 | 34.9 | 24.0 | 36.0 |

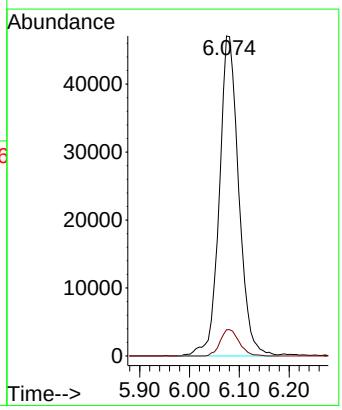


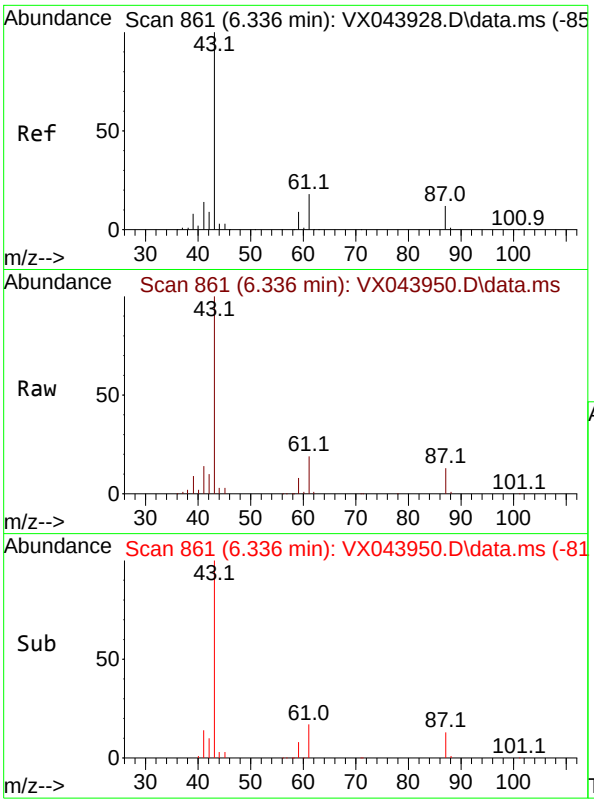




#42
1,2-Dichloroethane
Concen: 54.501 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.0 | 0.0 | 16.4 |



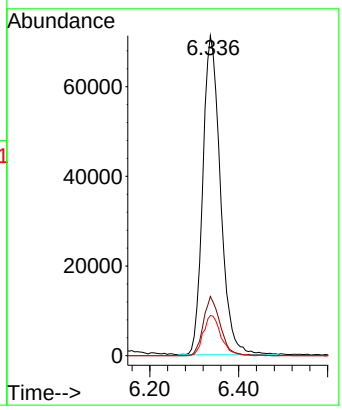


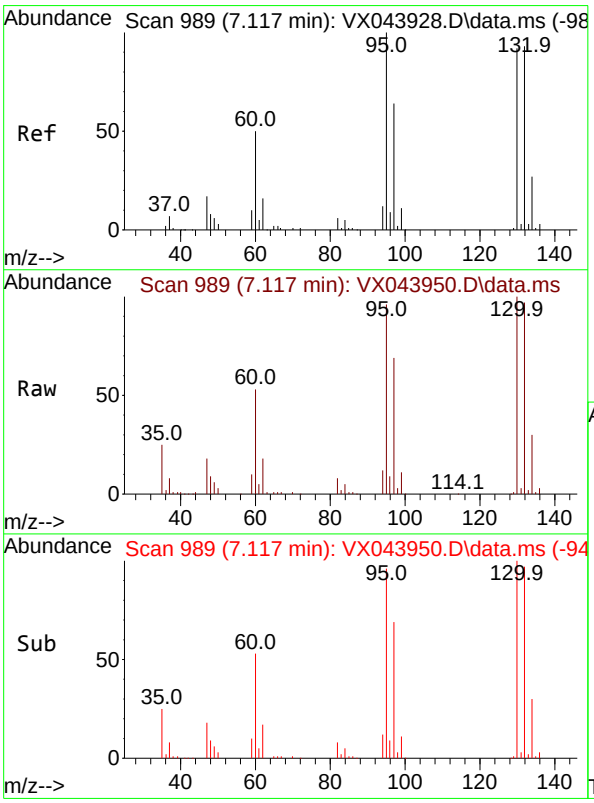

#43
Isopropyl Acetate
Concen: 53.153 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 196481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 17.6 | 14.5 | 21.7 |
| 87 | 12.6 | 10.2 | 15.2 |

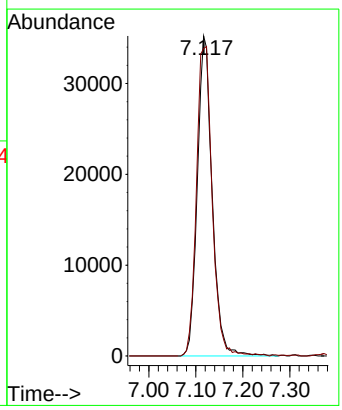


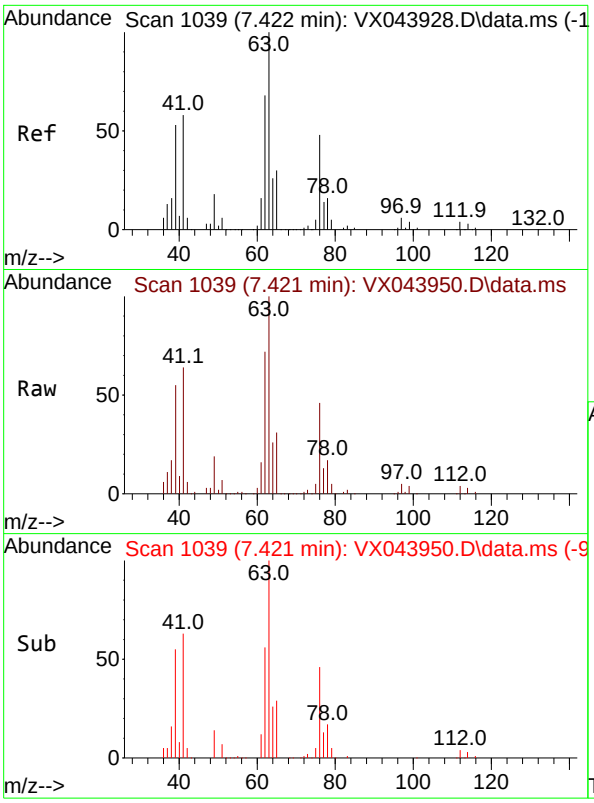




#44
Trichloroethene
Concen: 46.882 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.1 | 0.0 | 217.8 |



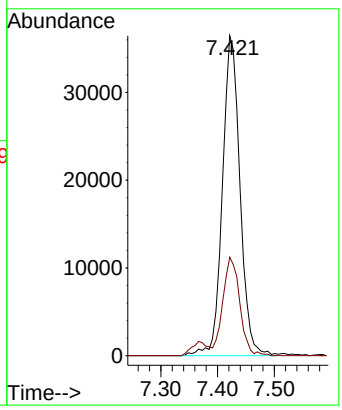


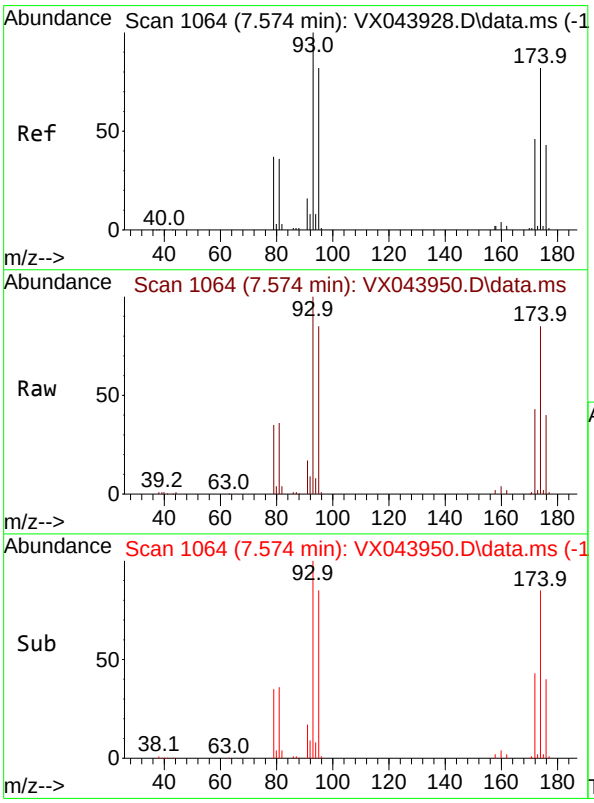

#45
1,2-Dichloropropane
Concen: 55.044 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 78579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.8 | 23.8 | 35.6 |

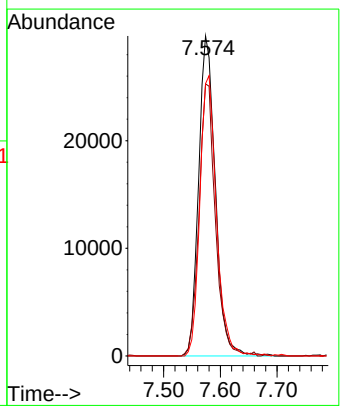


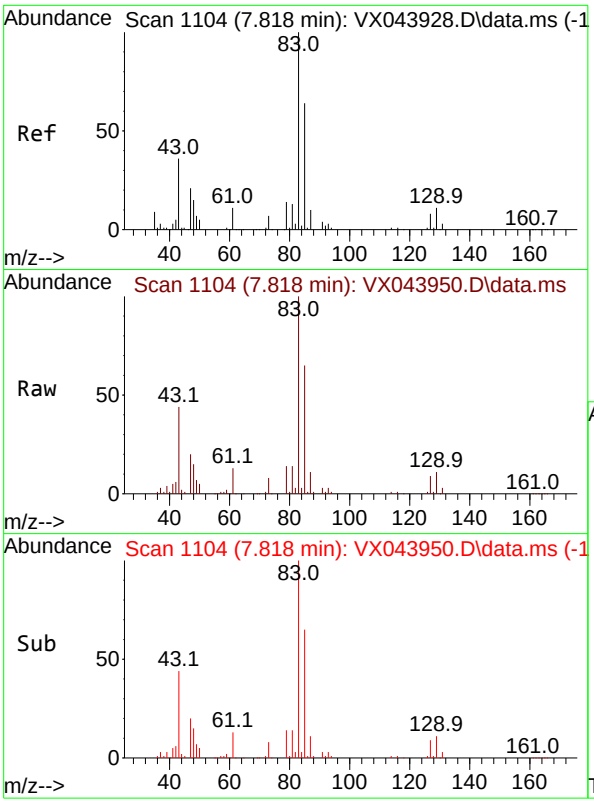




#46
Dibromomethane
Concen: 53.916 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 93 Resp: 60885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.4 | 66.2 | 99.4 |
| 174 | 87.1 | 69.6 | 104.4 |



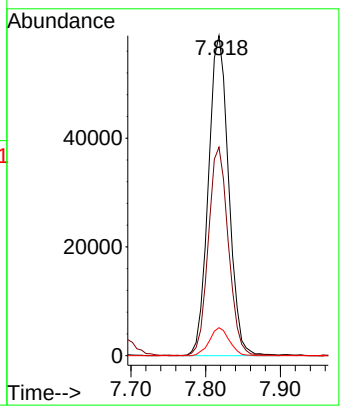


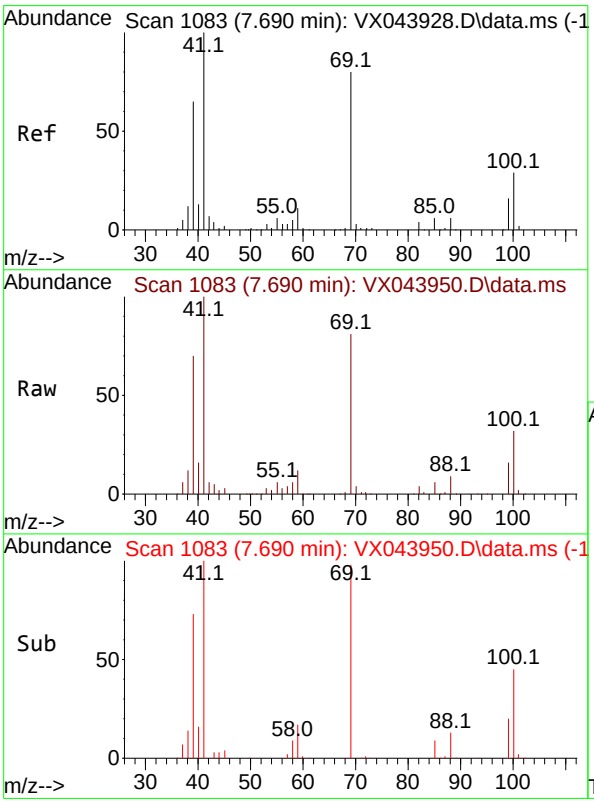

#47
Bromodichloromethane
Concen: 54.645 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 110672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.1 | 51.4 | 77.0 |
| 127 | 8.8 | 6.6 | 10.0 |

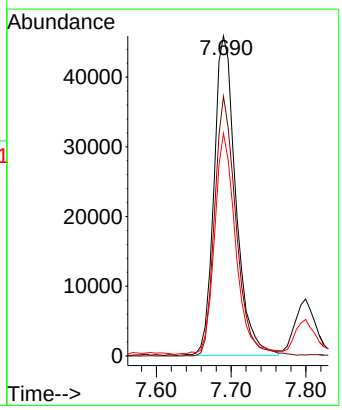


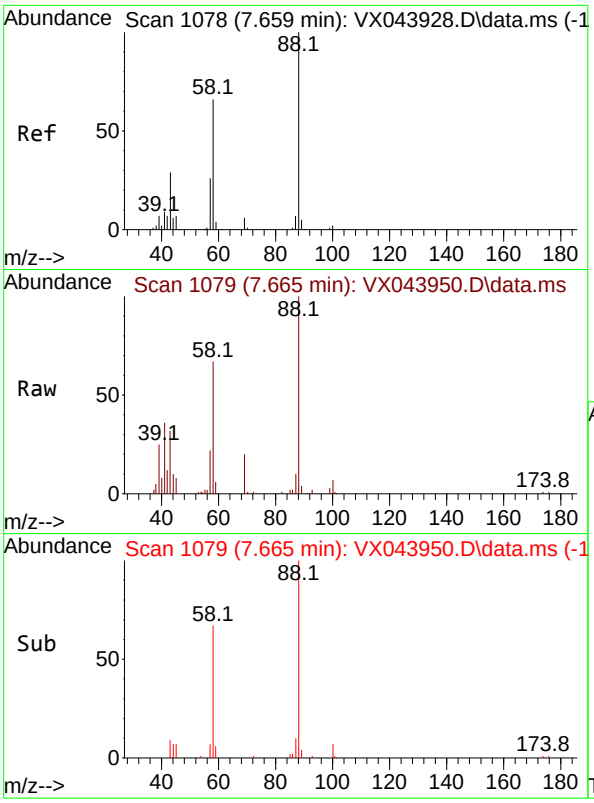




#48
Methyl methacrylate
Concen: 52.453 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.9 | 64.6 | 97.0 |
| 39 | 66.9 | 53.3 | 79.9 |



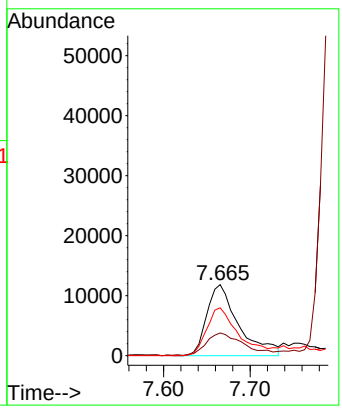


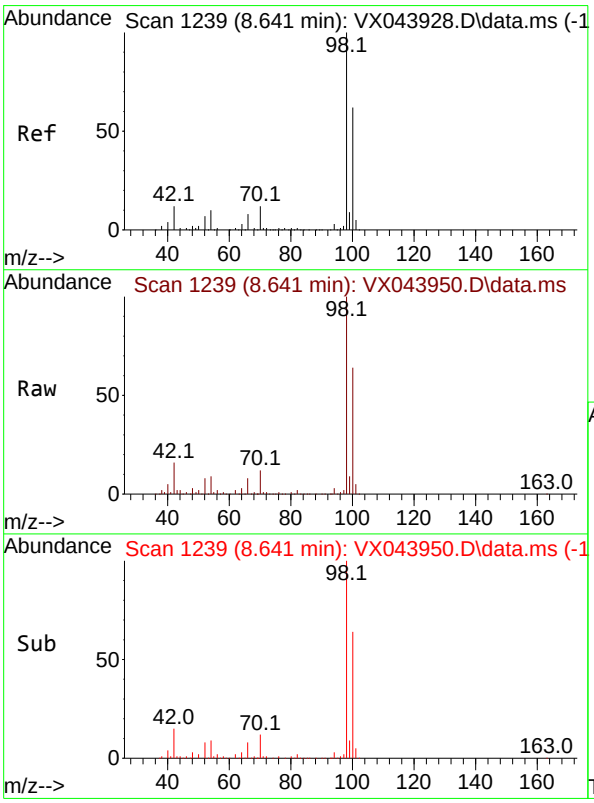

#49
1,4-Dioxane
Concen: 956.809 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 30231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.9 | 26.8 | 40.2 |
| 58 | 66.2 | 45.4 | 68.2 |

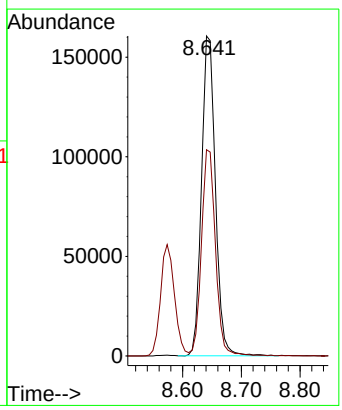


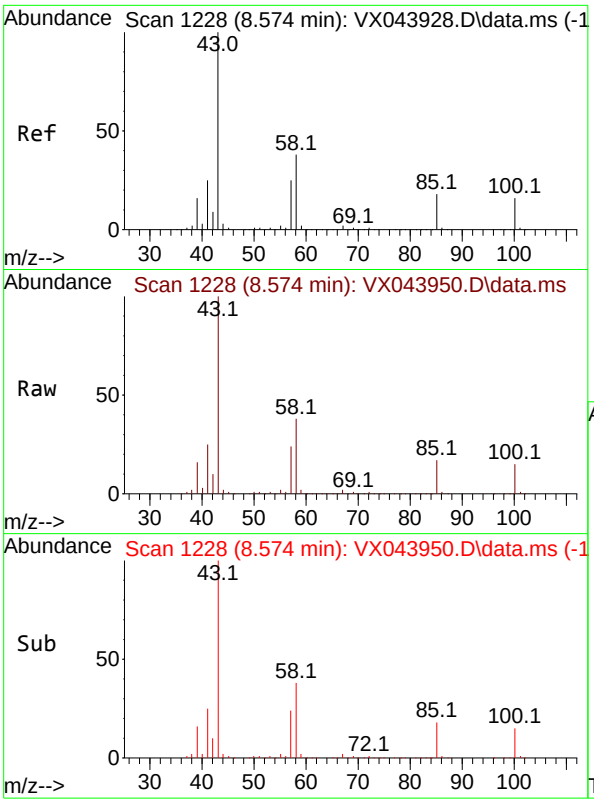




#50
Toluene-d8
Concen: 50.769 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 262790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 65.0 | 52.6 | 79.0 |



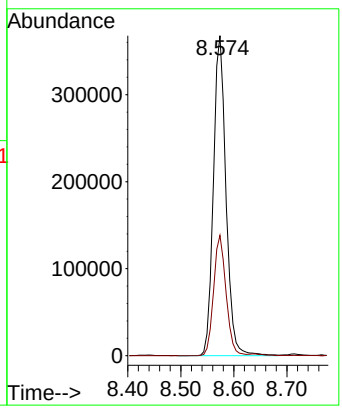


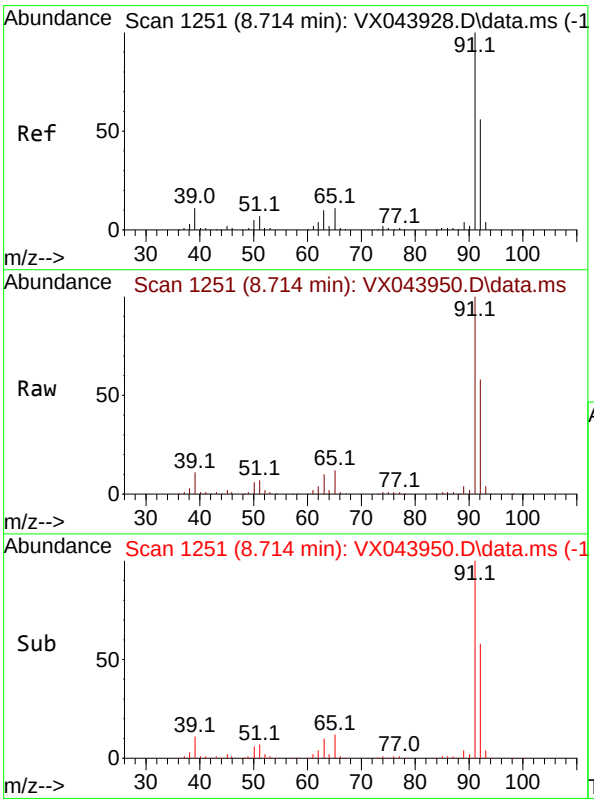

#51
4-Methyl-2-Pentanone
Concen: 269.433 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 607788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.0 | 30.0 | 45.0 |

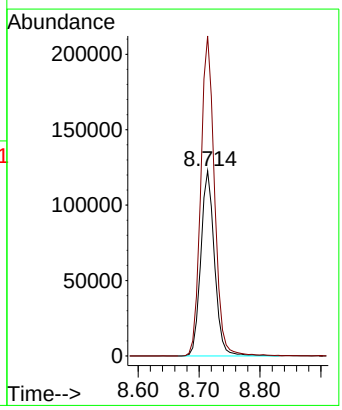


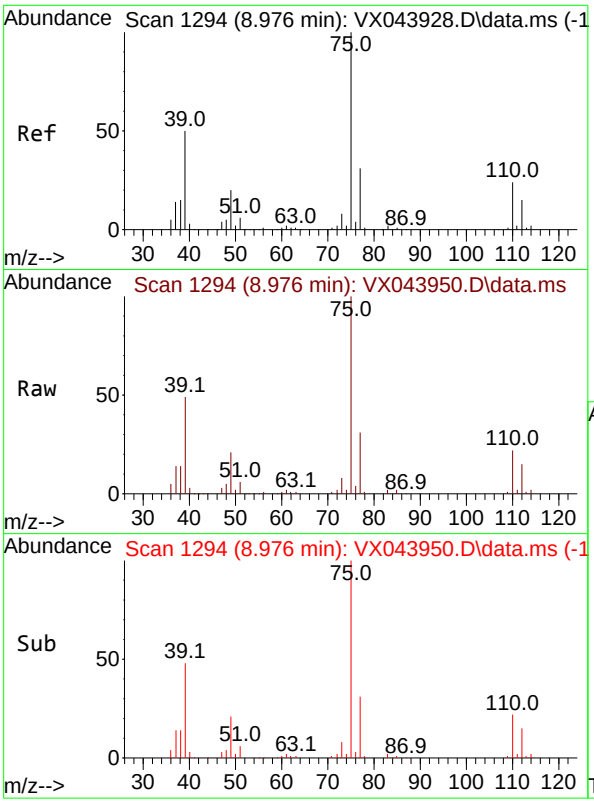




#52
Toluene
Concen: 54.965 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.2 | 139.7 | 209.5 |



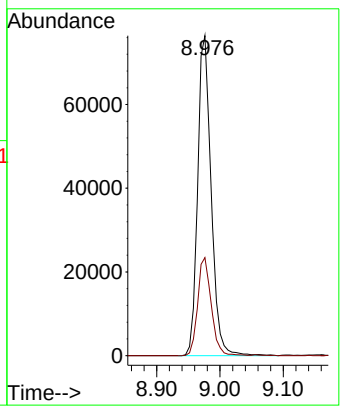


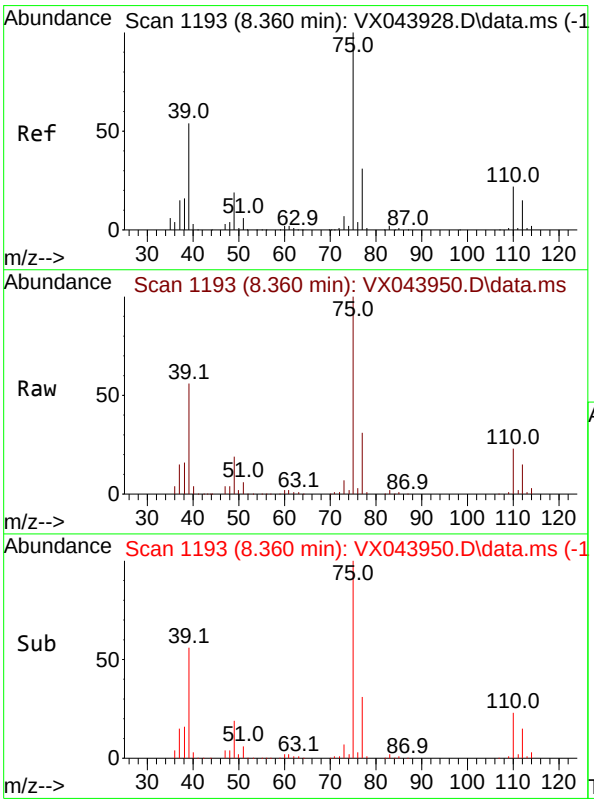

#53
t-1,3-Dichloropropene
Concen: 54.971 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 113533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.1 | 37.7 |

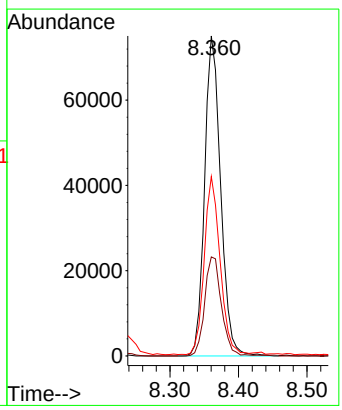


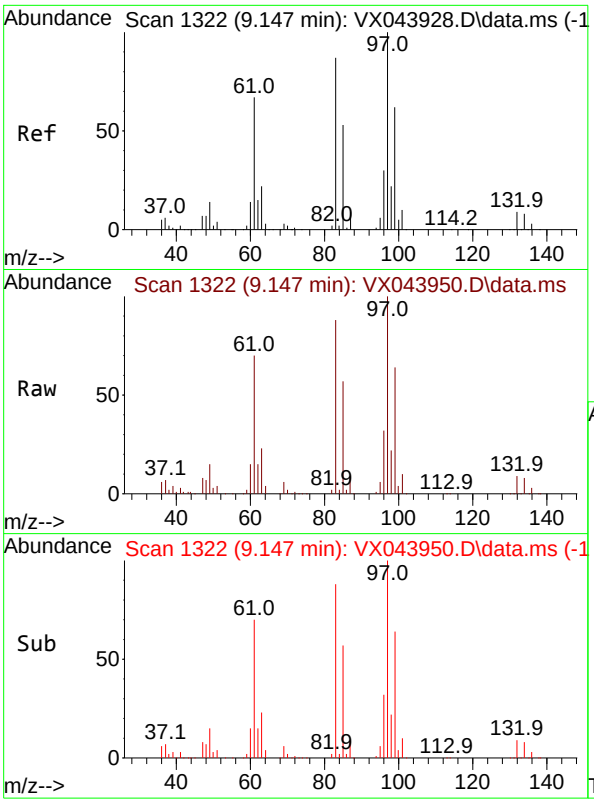




#54
cis-1,3-Dichloropropene
Concen: 54.052 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 55.6 | 43.1 | 64.7 |



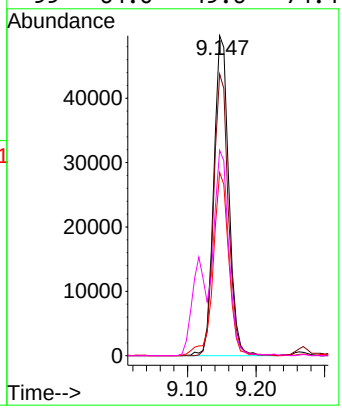


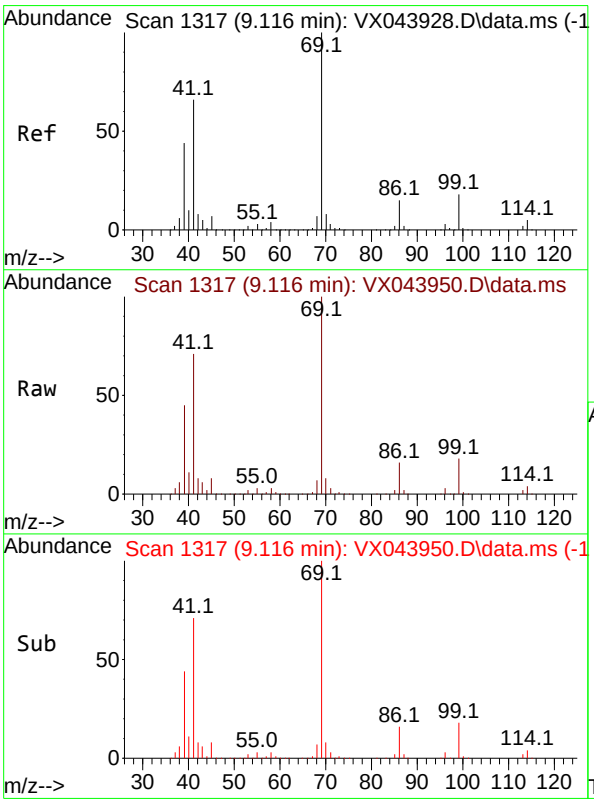

#55
1,1,2-Trichloroethane
Concen: 52.387 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 75441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.0 | 69.4 | 104.0 |
| 85 | 57.2 | 42.3 | 63.5 |
| 99 | 64.0 | 49.6 | 74.4 |

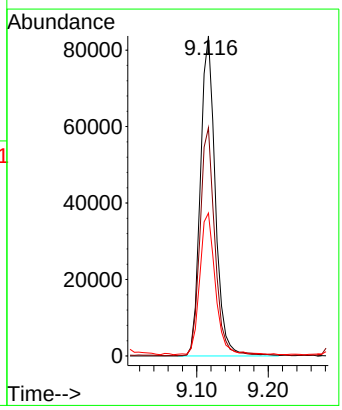


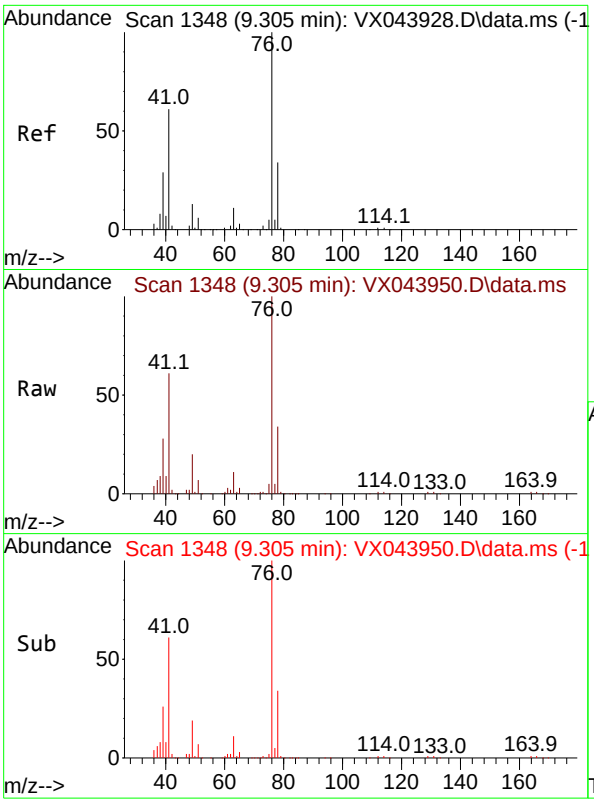




#56
Ethyl methacrylate
Concen: 54.352 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 69 Resp: 121914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 55.8 | 83.8 |
| 39 | 46.2 | 36.7 | 55.1 |



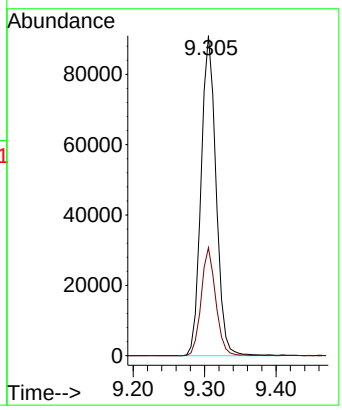


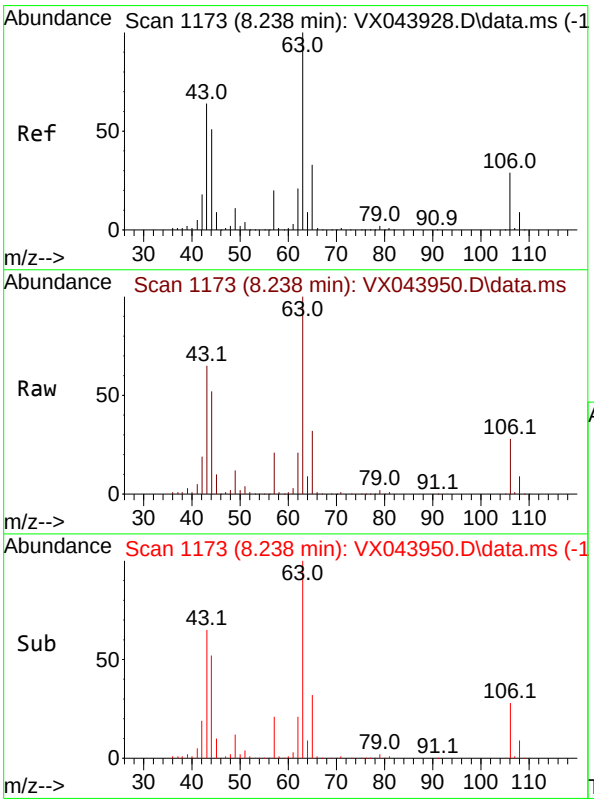

#57
1,3-Dichloropropane
Concen: 54.563 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 132364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.0 | 39.0 |

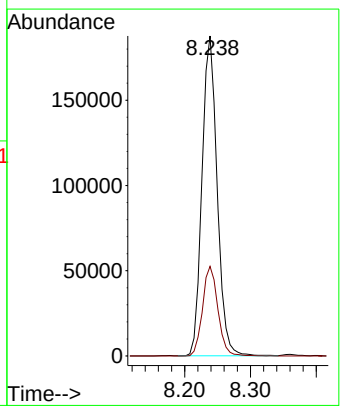


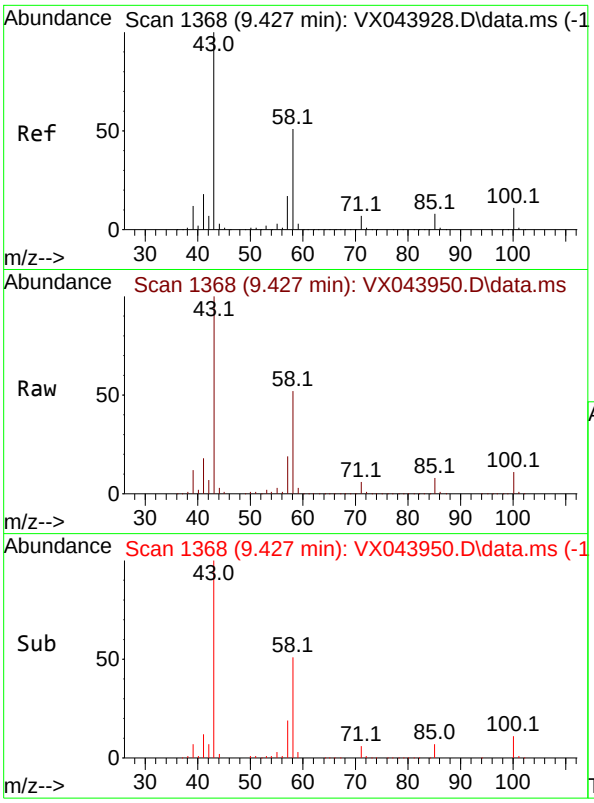




#58
2-Chloroethyl Vinyl ether
Concen: 244.819 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 23.0 | 34.6 |



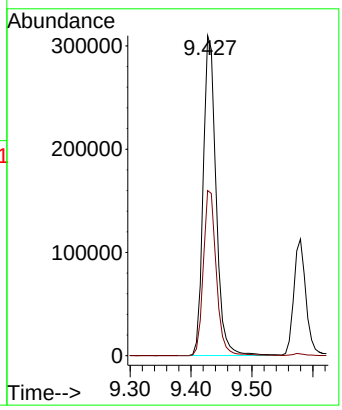


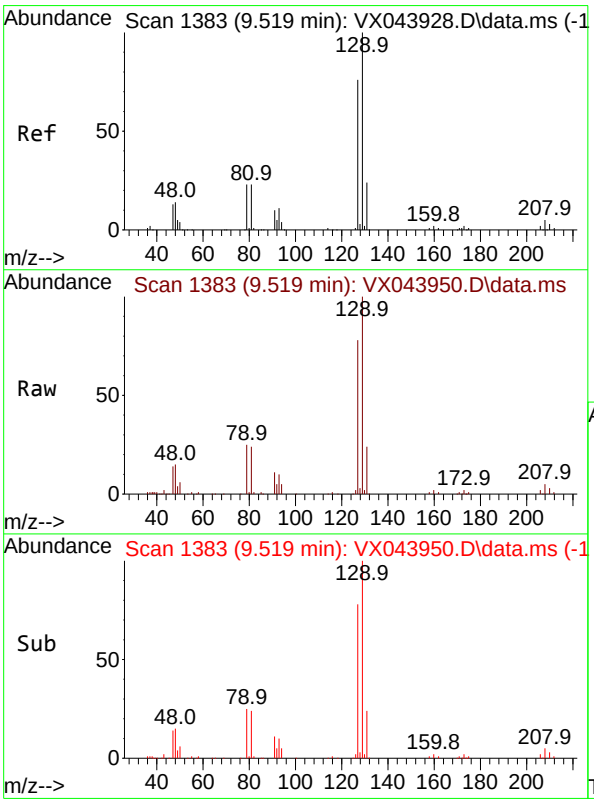

#59
2-Hexanone
Concen: 269.358 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 456702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.0 | 25.9 | 77.6 |

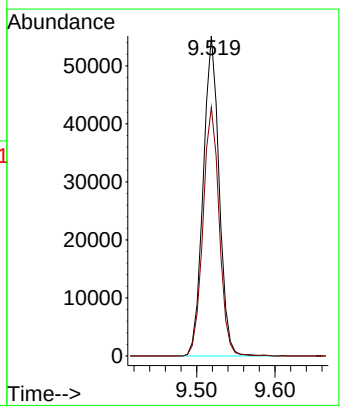


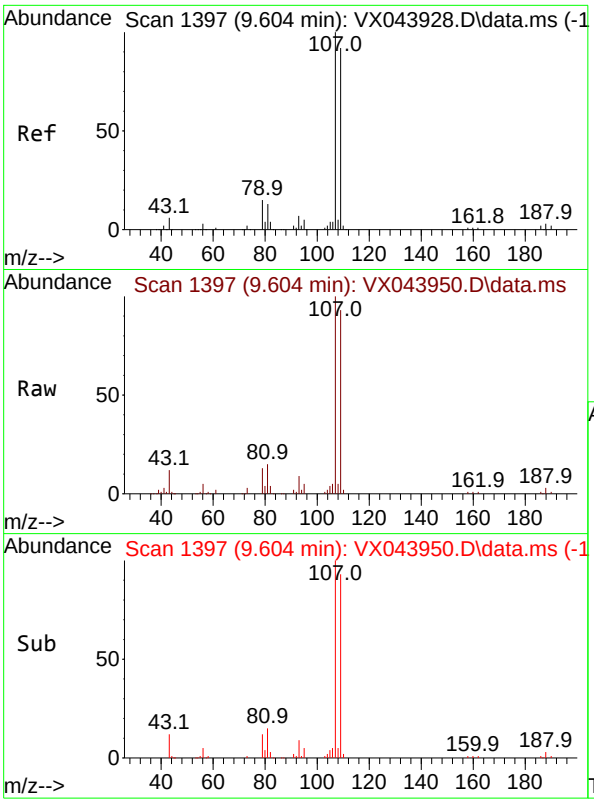




#60
Dibromochloromethane
Concen: 53.853 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:129 Resp: 77811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.8 | 38.2 | 114.6 |



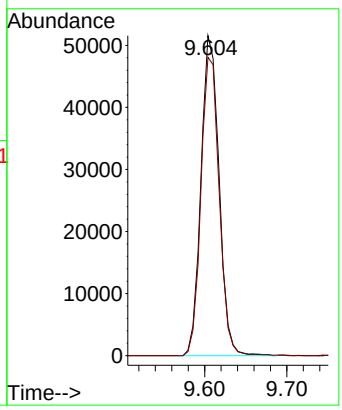


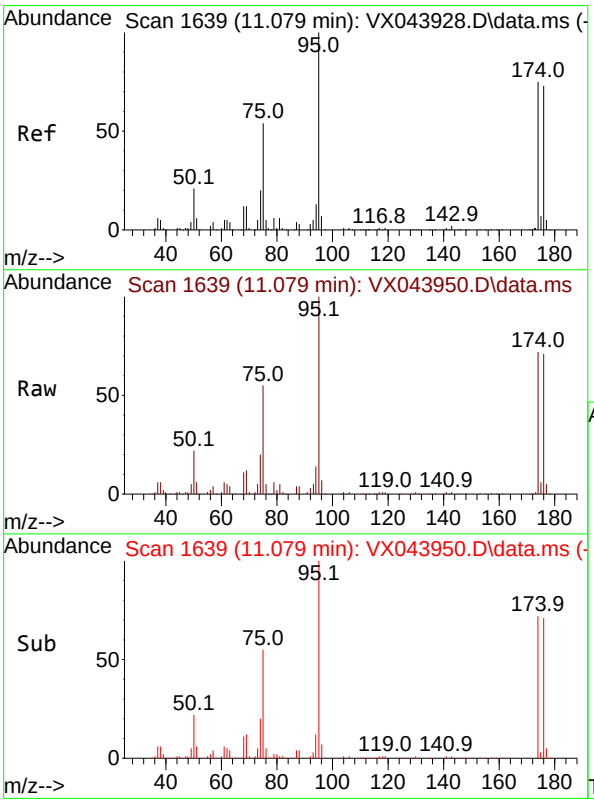

#61
1,2-Dibromoethane
Concen: 54.040 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 78690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.2 | 75.2 | 112.8 |

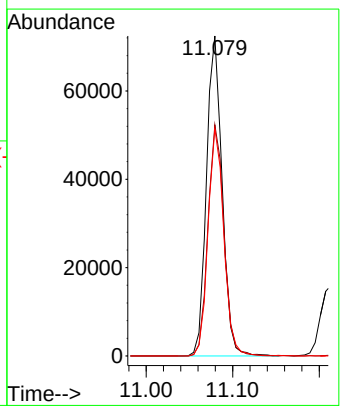


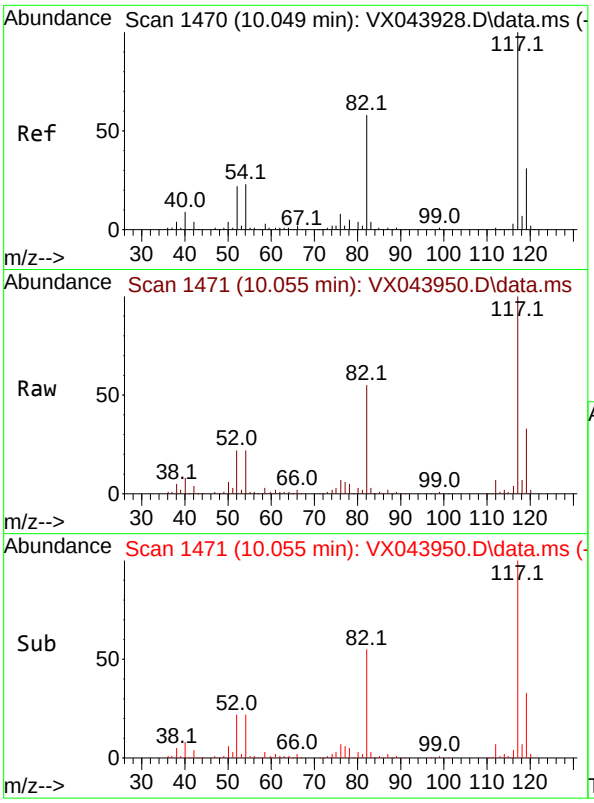




#62
4-Bromofluorobenzene
Concen: 51.686 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 150.4 |
| 176 | 71.5 | 0.0 | 146.0 |



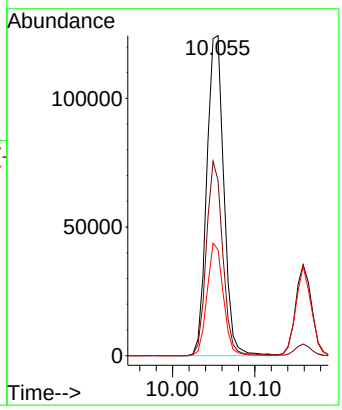


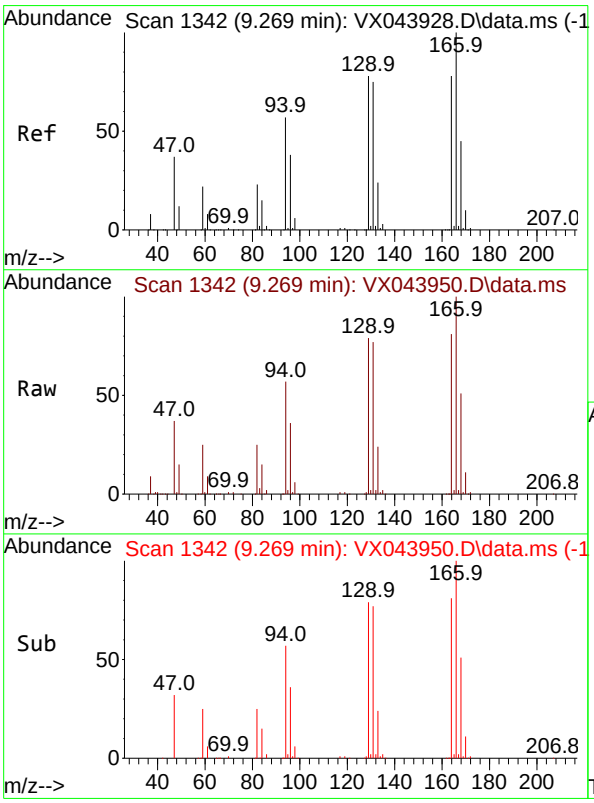

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 179277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.8 | 46.4 | 69.6 |
| 119 | 33.1 | 24.6 | 37.0 |

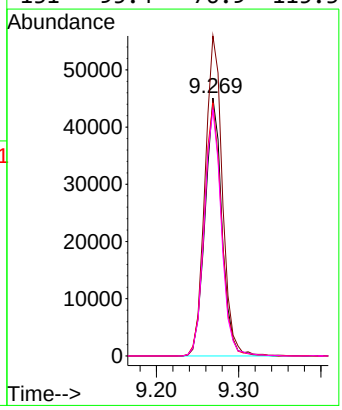


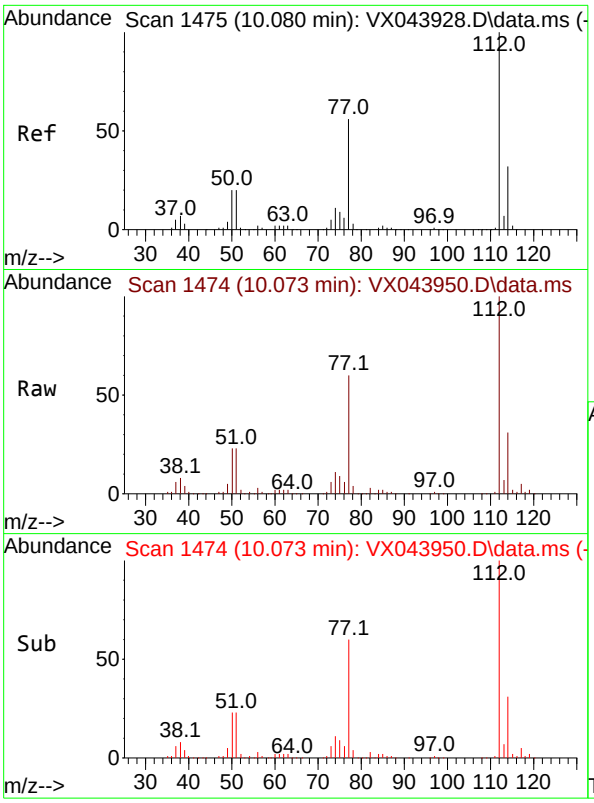




#64
Tetrachloroethene
Concen: 54.365 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.1 | 102.1 | 153.1 |
| 129 | 98.1 | 79.6 | 119.4 |
| 131 | 95.4 | 76.9 | 115.3 |



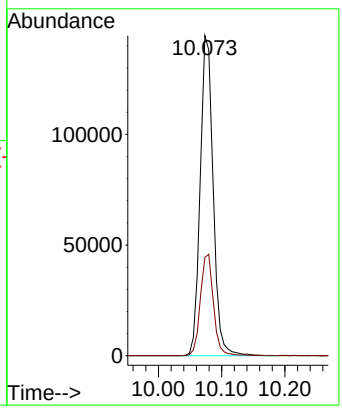


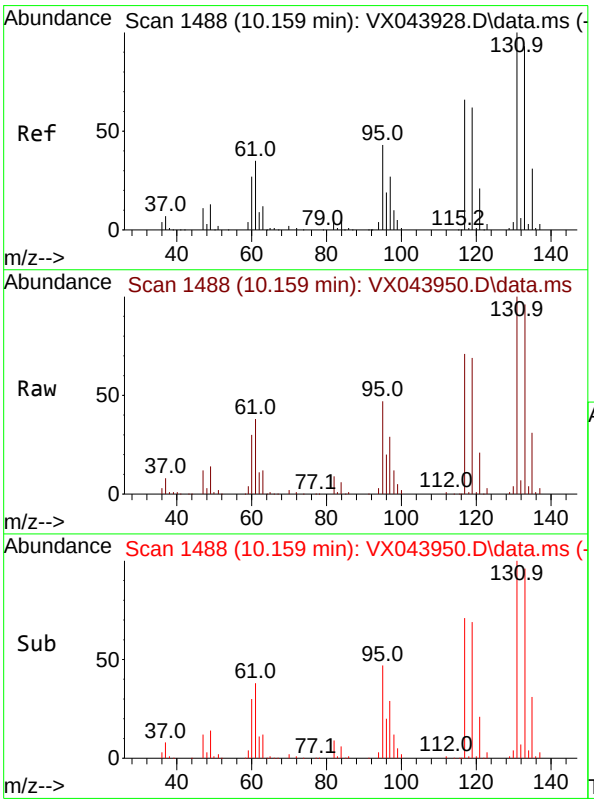

#65
Chlorobenzene
Concen: 52.640 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 207265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.7 | 25.4 | 38.0 |

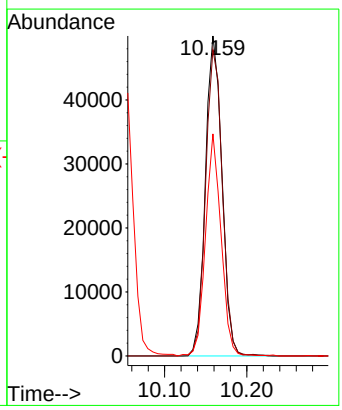


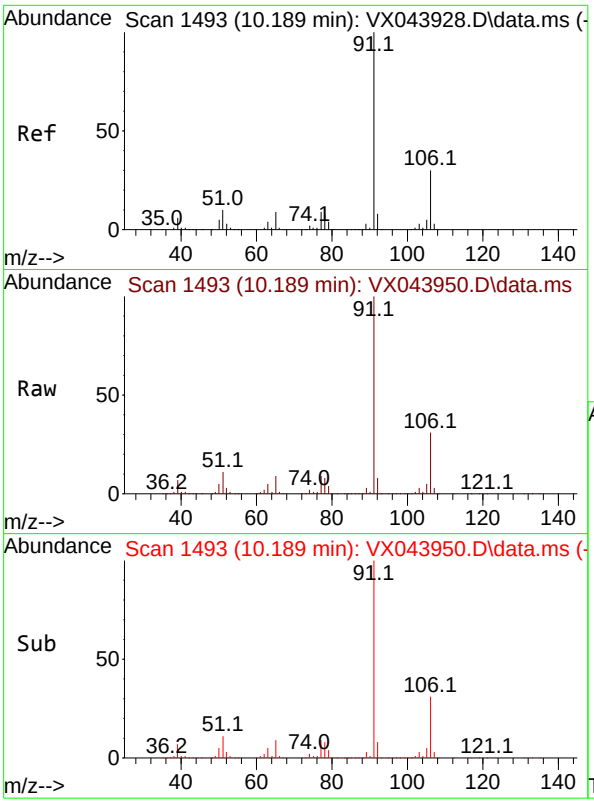




#66
1,1,1,2-Tetrachloroethane
Concen: 54.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 48.2 | 144.6 |
| 119 | 65.1 | 31.5 | 94.5 |



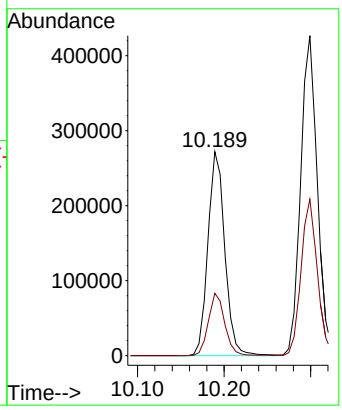


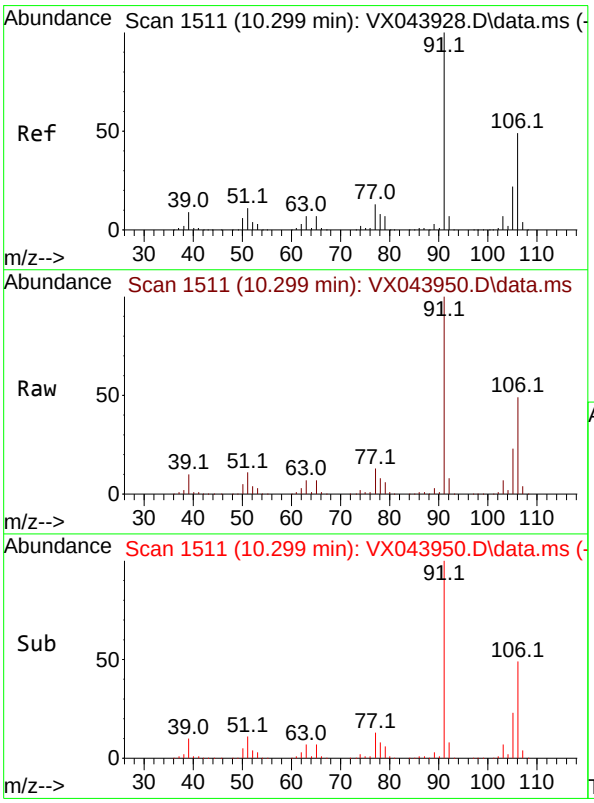

#67
Ethyl Benzene
Concen: 55.362 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 369374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.6 | 35.4 |

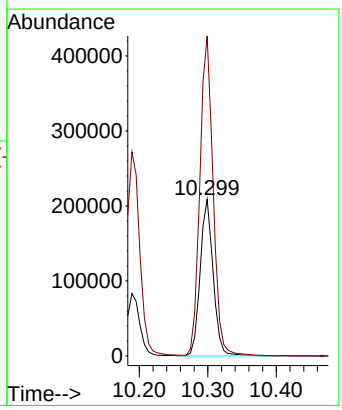


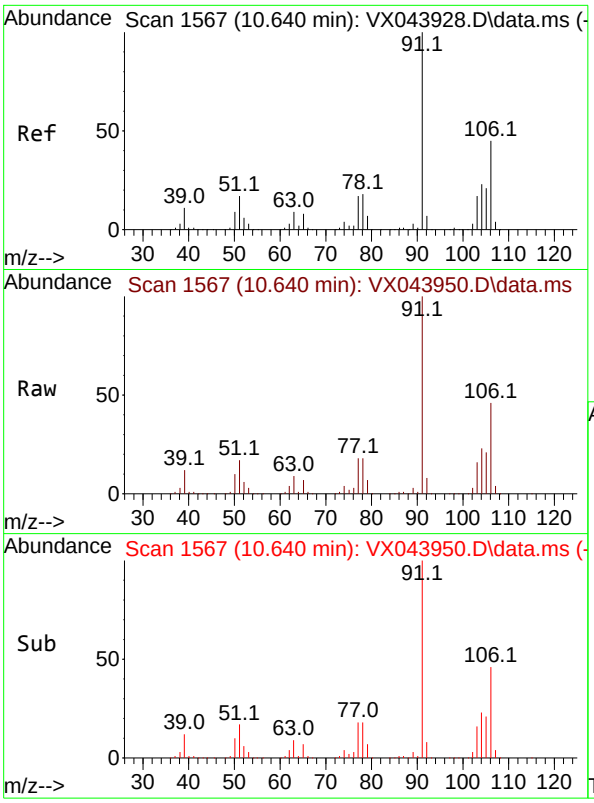




#68
m/p-Xylenes
Concen: 110.758 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:106 Resp: 275579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.0 | 168.1 | 252.1 |



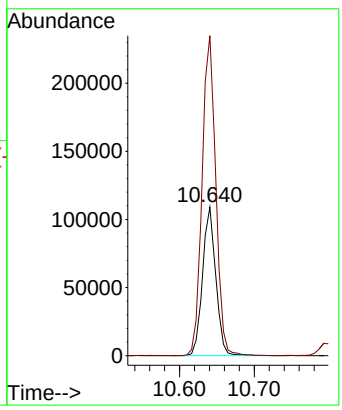


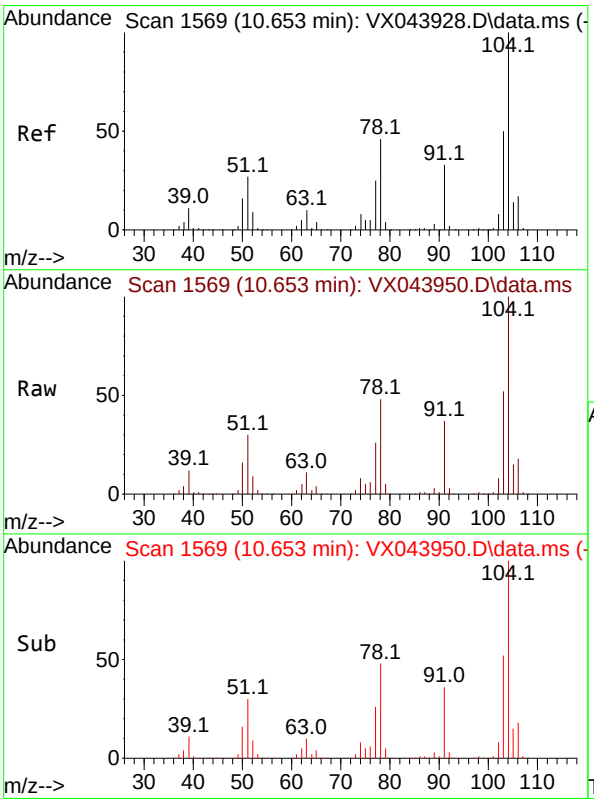

#69
o-Xylene
Concen: 55.187 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 134066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 223.3 | 110.2 | 330.6 |

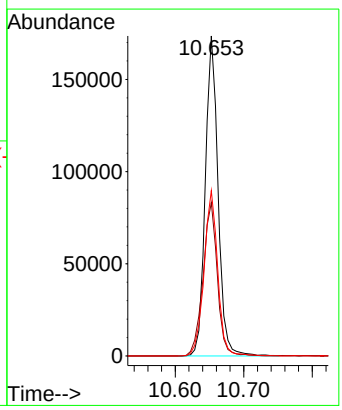


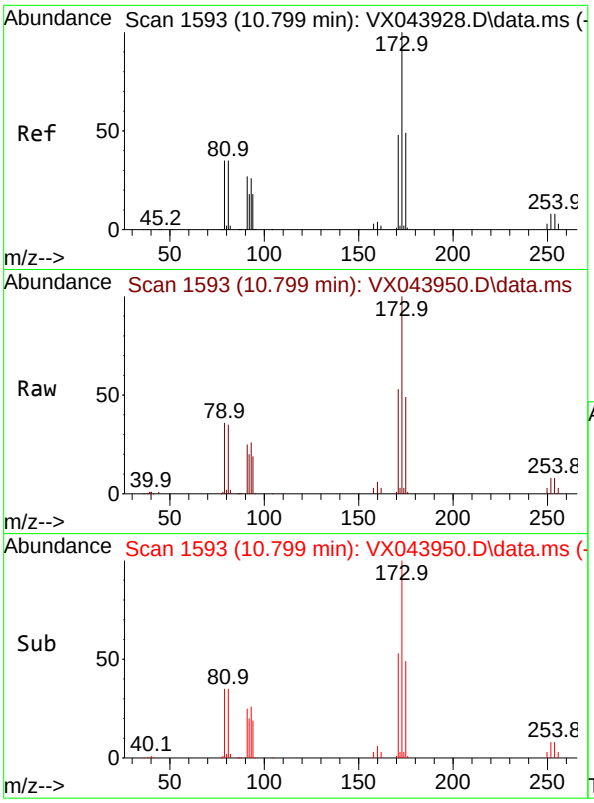




#70
Styrene
Concen: 56.140 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 42.2 | 63.2 |
| 103 | 55.5 | 44.7 | 67.1 |



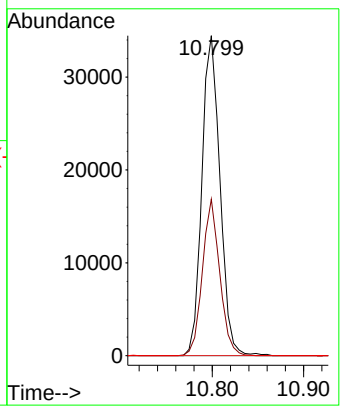


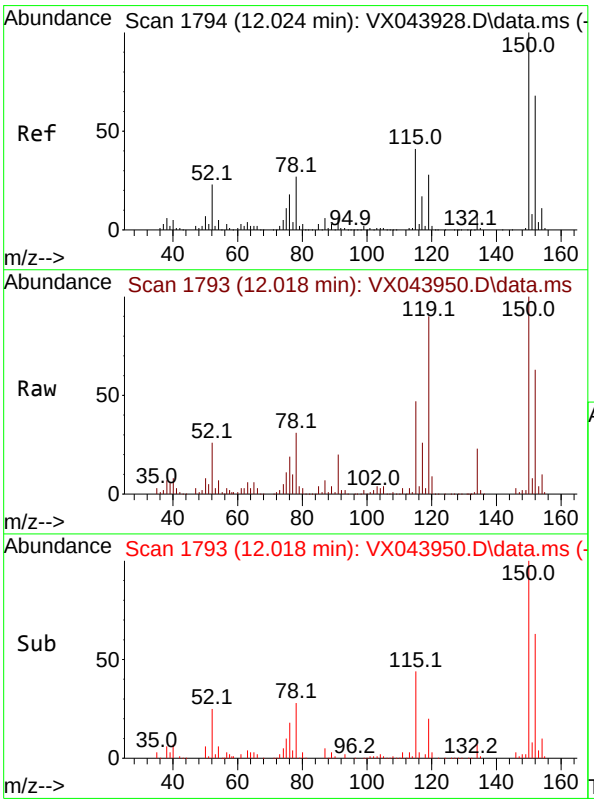

#71
Bromoform
Concen: 48.773 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 47233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 46.8 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

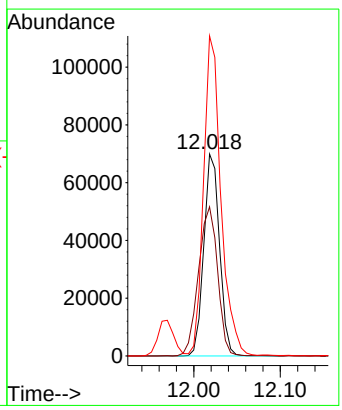


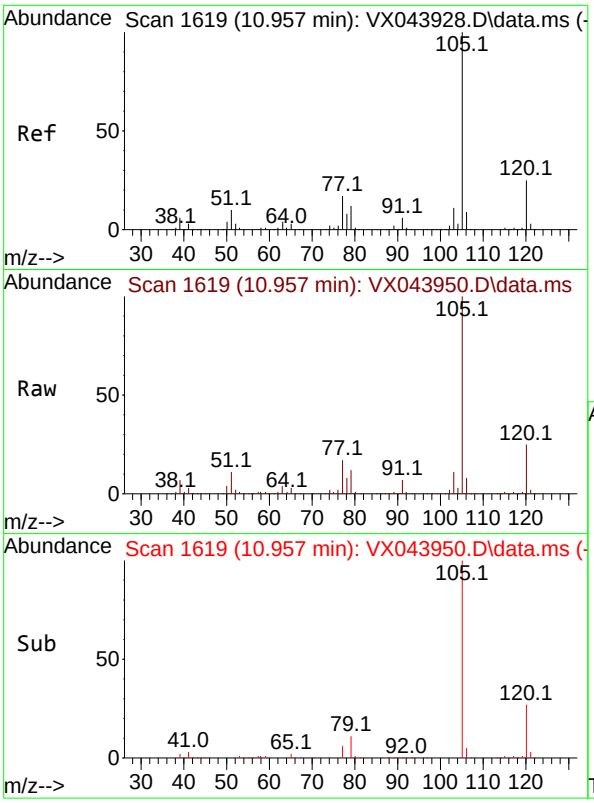




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:152 Resp: 88069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.2 | 45.4 | 136.2 |
| 150 | 176.2 | 0.0 | 353.0 |



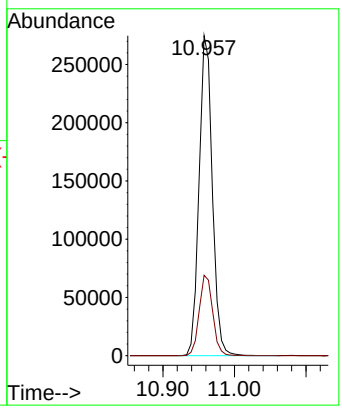


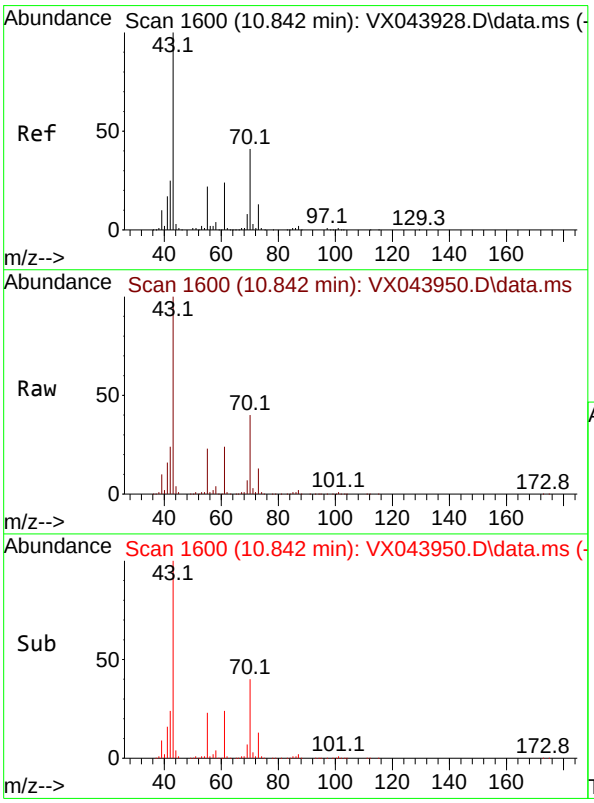

#73
Isopropylbenzene
Concen: 52.039 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 352296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 13.0 | 38.9 |

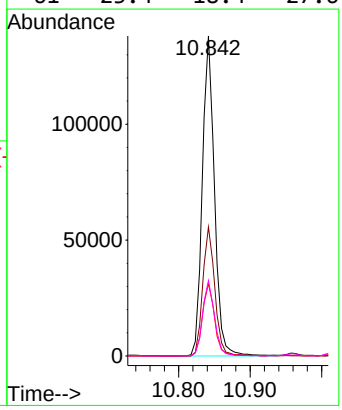


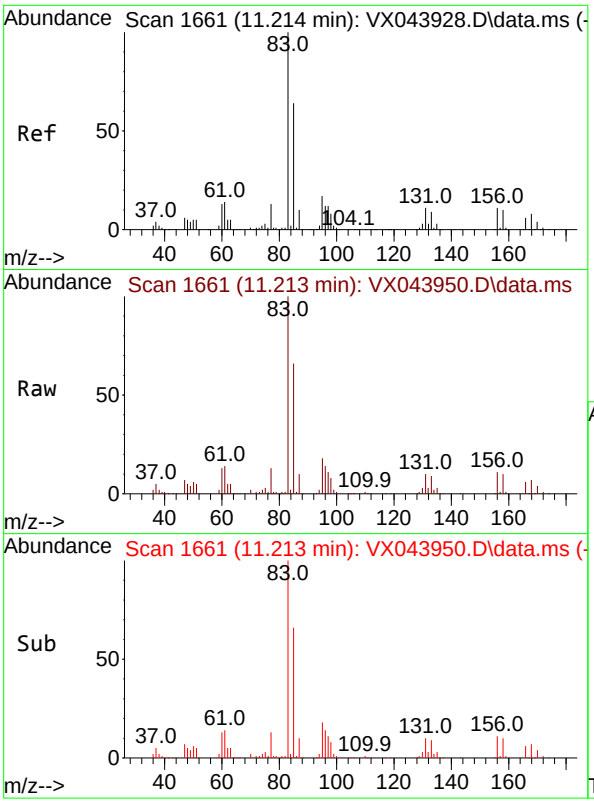




#74
N-amyl acetate
Concen: 51.973 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.1 | 32.2 | 48.2 |
| 55 | 22.6 | 18.1 | 27.1 |
| 61 | 23.4 | 18.4 | 27.6 |



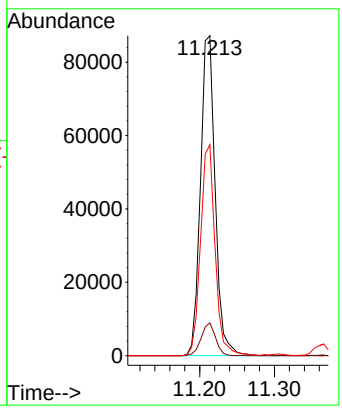


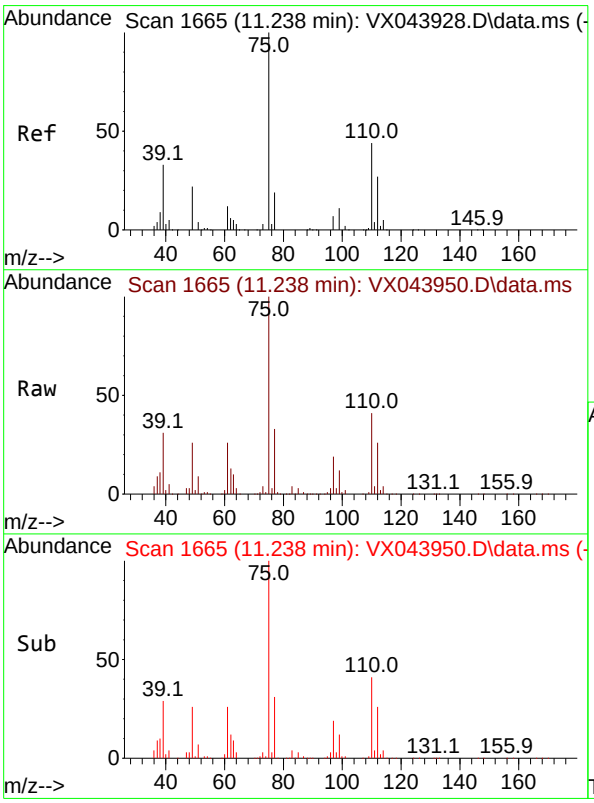

#75
1,1,2,2-Tetrachloroethane
Concen: 51.403 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 119153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.2 |
| 85 | 65.2 | 32.2 | 96.6 |

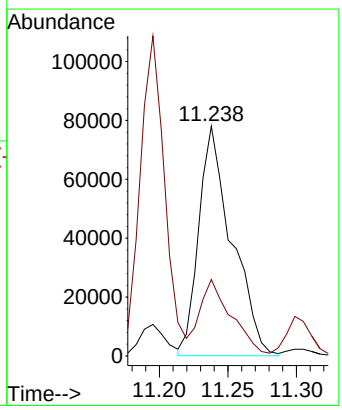


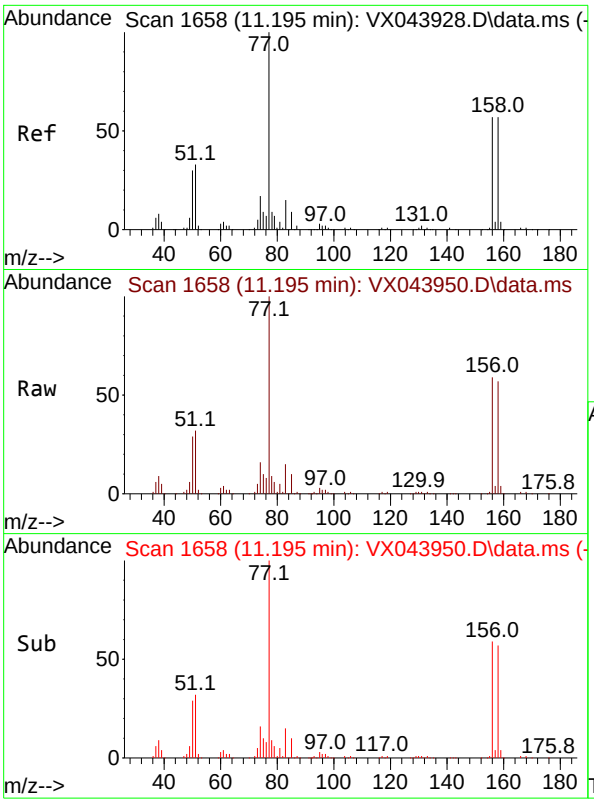




#76
1,2,3-Trichloropropane
Concen: 67.913 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 131164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.1 | 21.8 | 65.3 |



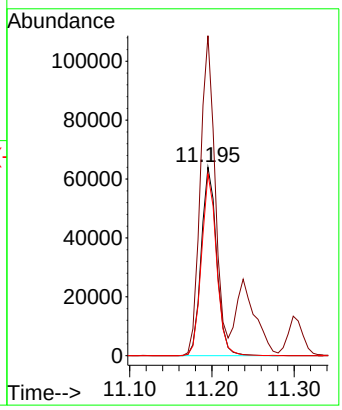


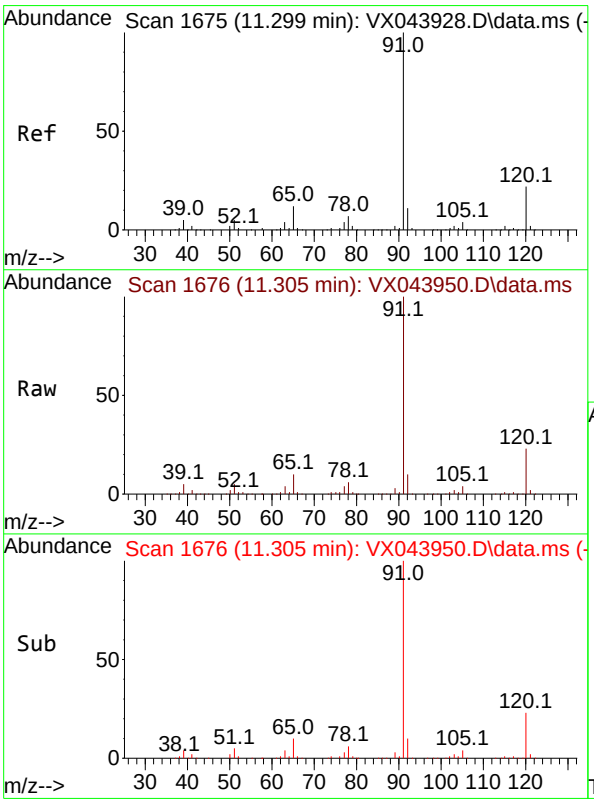

#77
Bromobenzene
Concen: 51.338 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 82907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 164.1 | 83.4 | 250.1 |
| 158 | 94.8 | 47.6 | 142.8 |

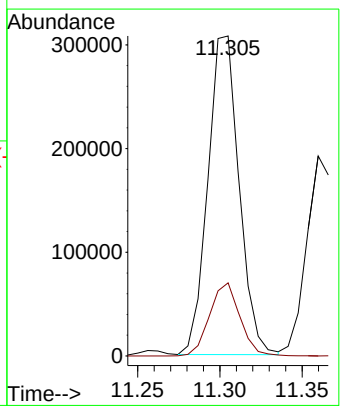


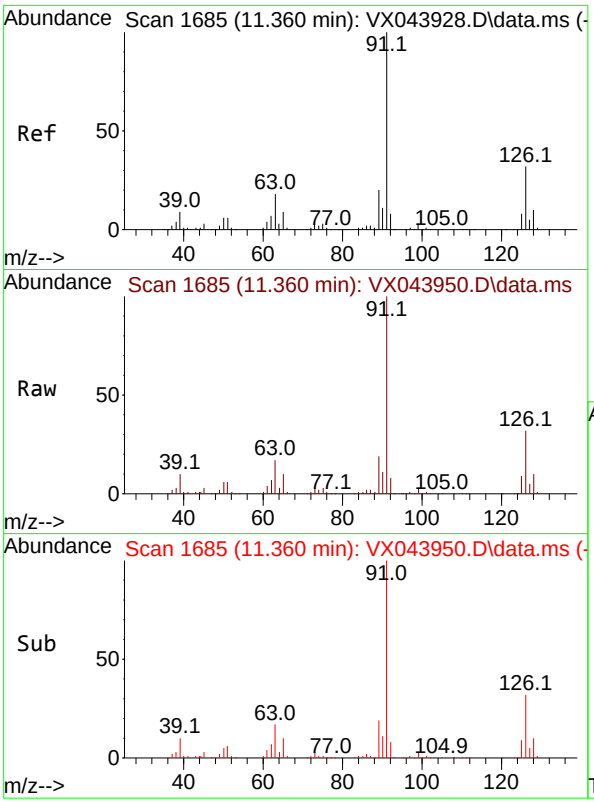




#78
n-propylbenzene
Concen: 53.765 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 406514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.5 | 34.4 |



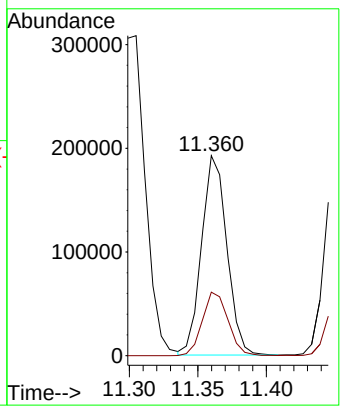


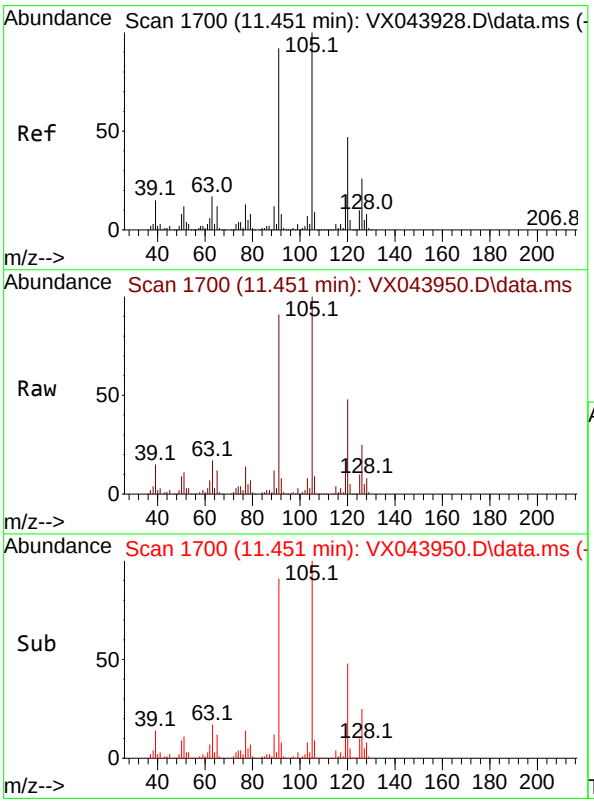

#79
2-Chlorotoluene
Concen: 51.573 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 246574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.6 | 49.8 |

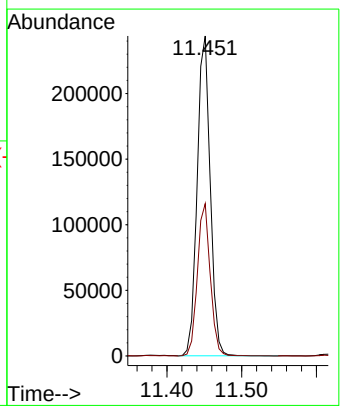


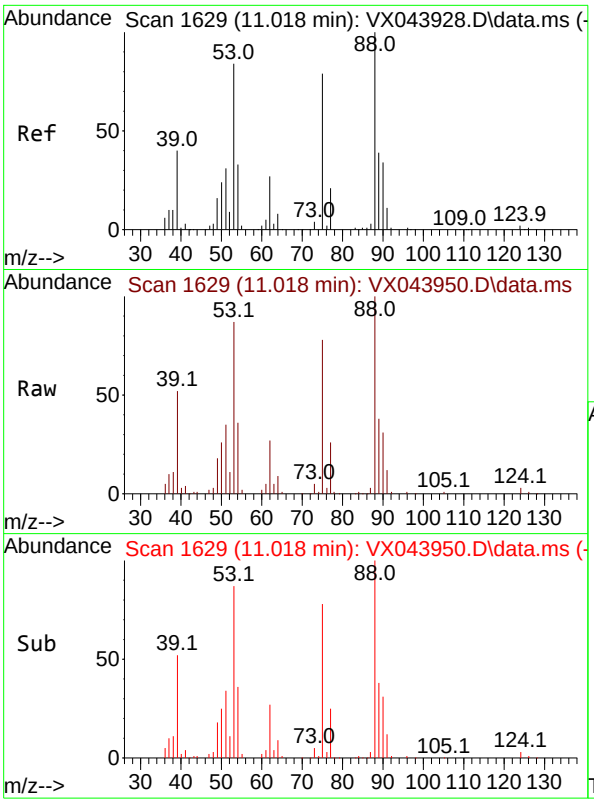




#80
1,3,5-Trimethylbenzene
Concen: 52.968 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 295006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.9 | 23.3 | 69.8 |



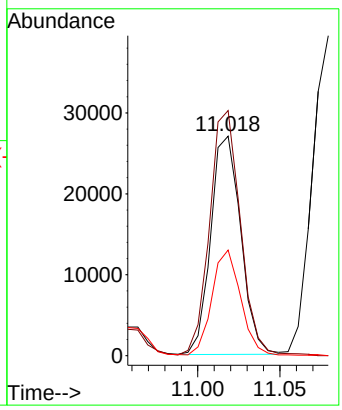


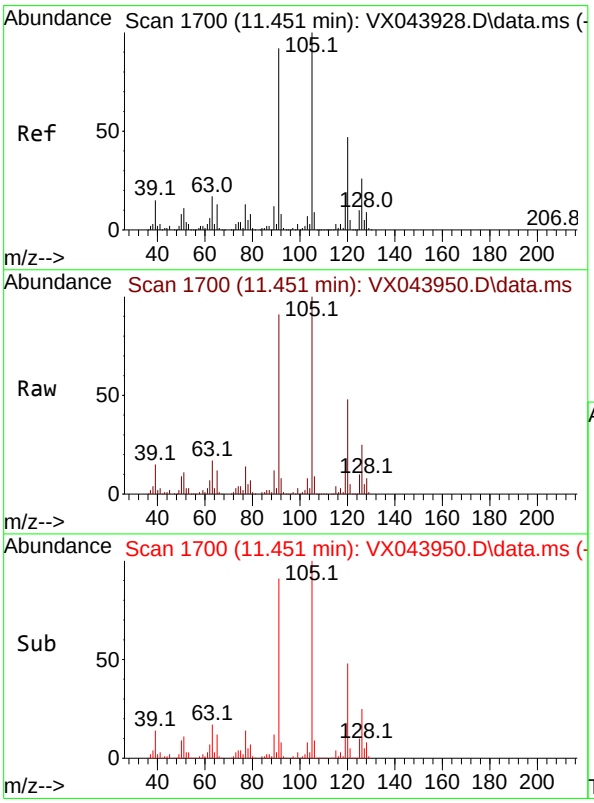

#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 34321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 115.3 | 86.7 | 130.1 |
| 89 | 46.8 | 38.2 | 57.2 |

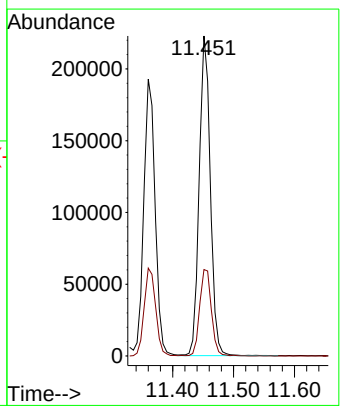


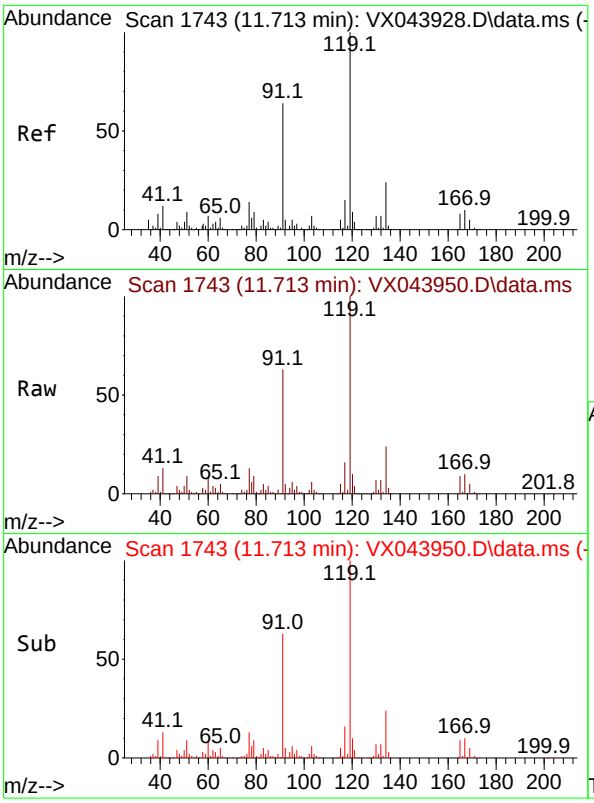




#82
4-Chlorotoluene
Concen: 52.200 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.3 | 42.9 |



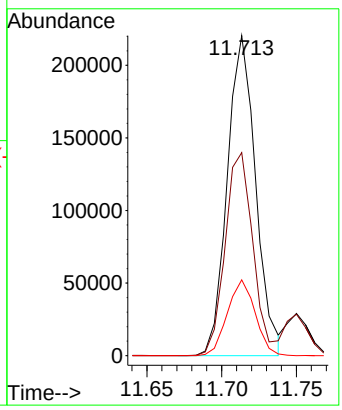


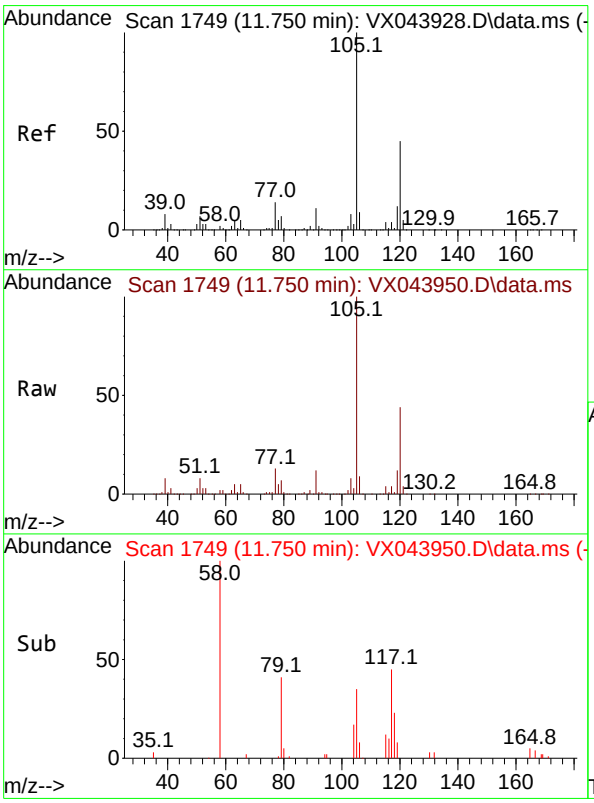

#83
tert-Butylbenzene
Concen: 52.754 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 291225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 61.3 | 31.0 | 93.0 |
| 134 | 23.2 | 11.6 | 34.8 |

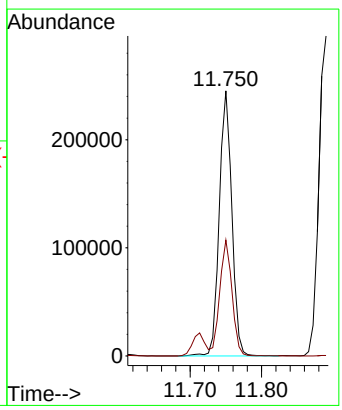


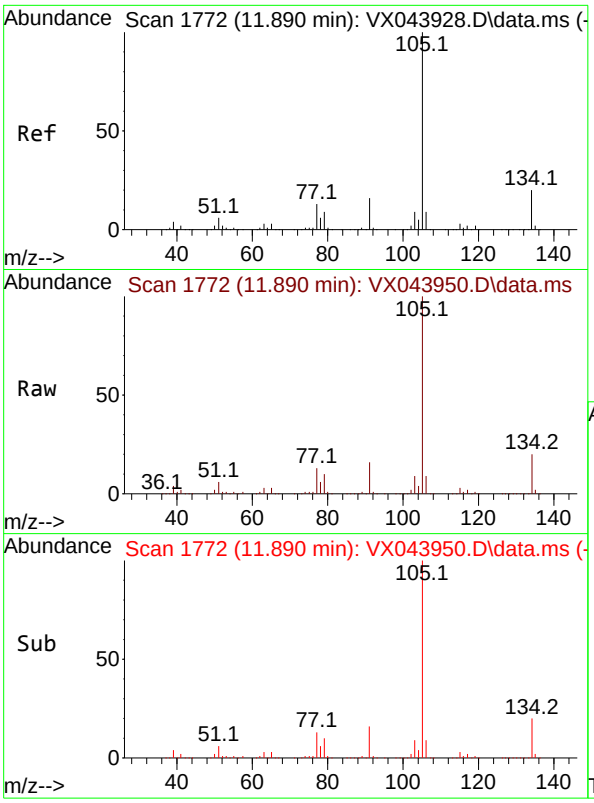




#84
1,2,4-Trimethylbenzene
Concen: 53.956 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:105 Resp: 299186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.8 | 21.9 | 65.7 |



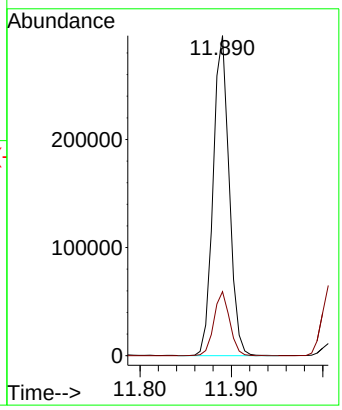


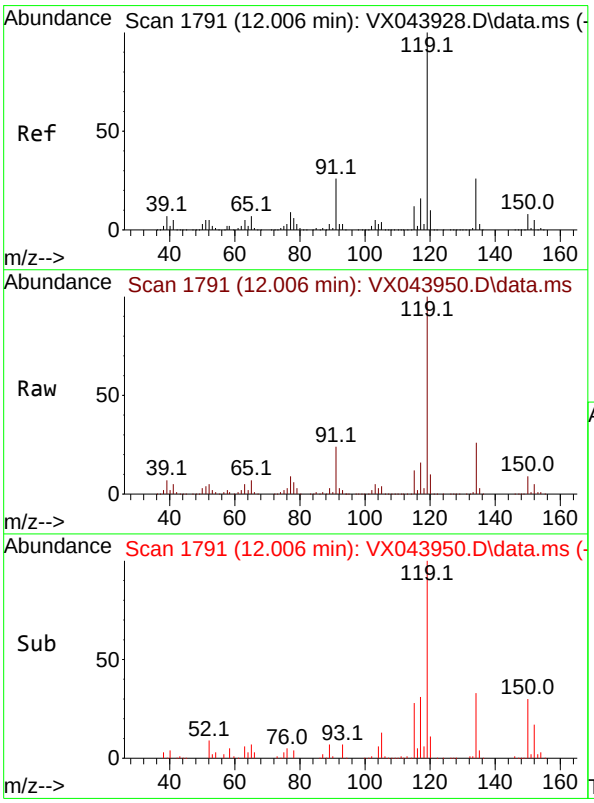

#85
sec-Butylbenzene
Concen: 53.293 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 360460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.7 | 29.1 |

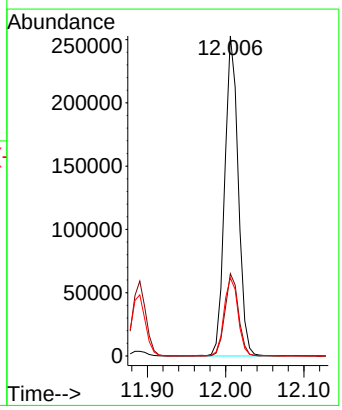


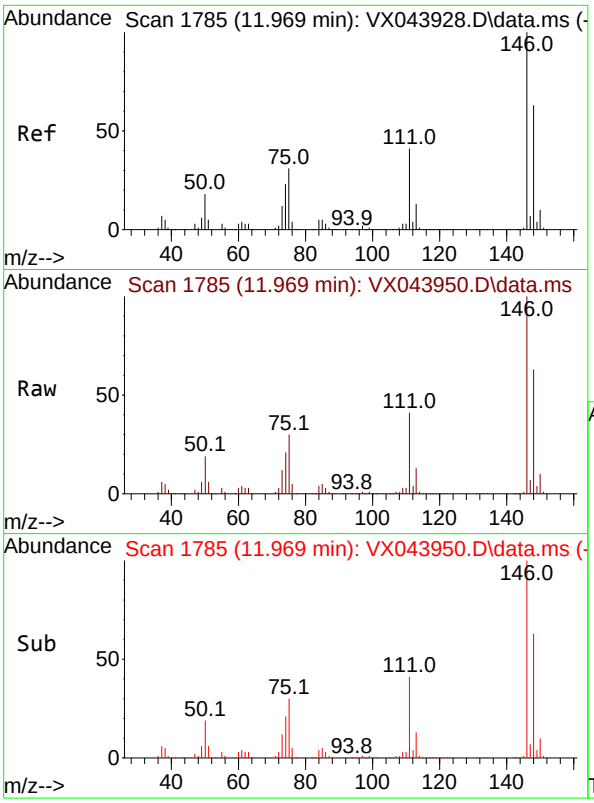




#86
p-Isopropyltoluene
Concen: 55.361 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 13.0 | 38.9 |
| 91 | 25.3 | 13.0 | 38.9 |



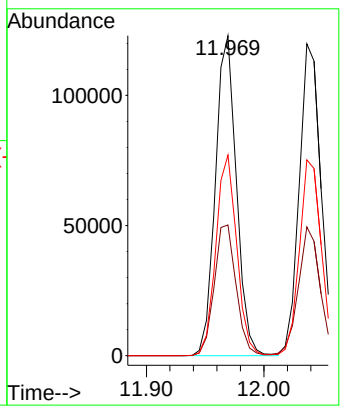


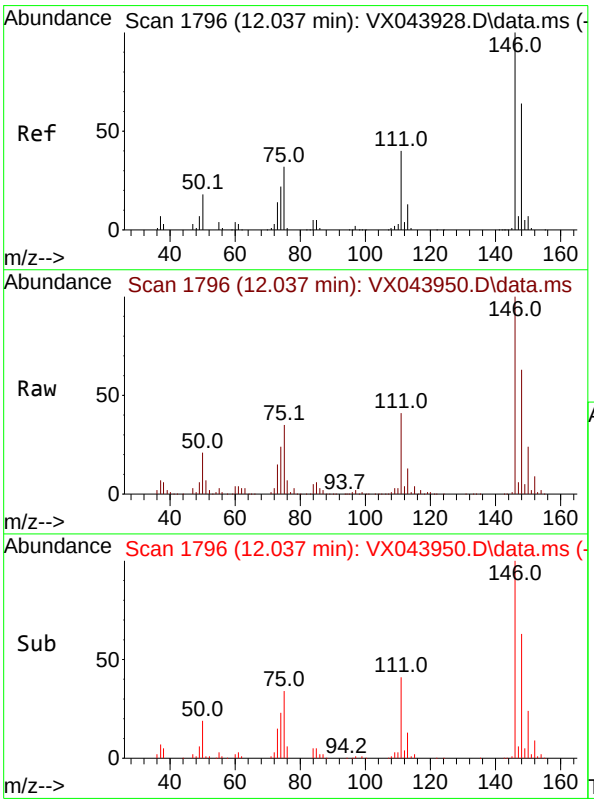

#87
1,3-Dichlorobenzene
Concen: 52.089 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 153209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.1 | 63.3 |
| 148 | 62.2 | 31.7 | 95.1 |

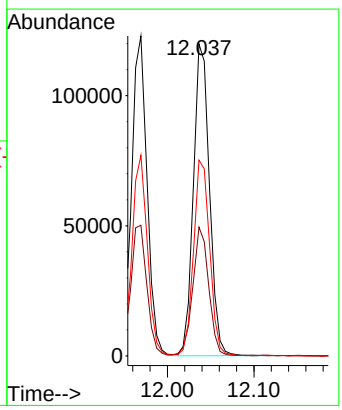


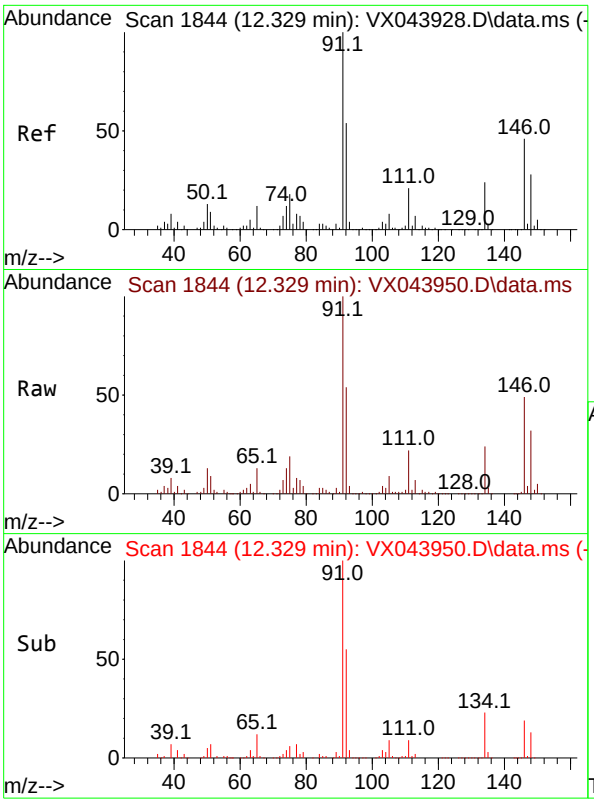




#88
1,4-Dichlorobenzene
Concen: 51.511 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:146 Resp: 154469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.1 | 60.3 |
| 148 | 63.4 | 30.9 | 92.8 |



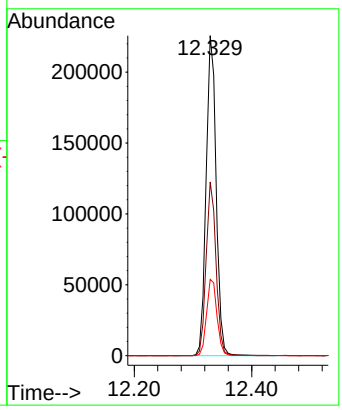


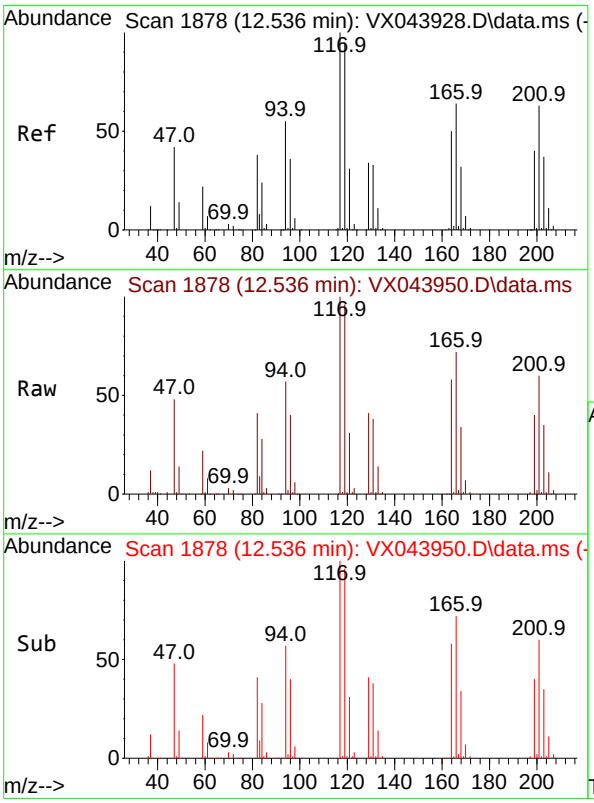

#89
n-Butylbenzene
Concen: 55.414 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 268422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |

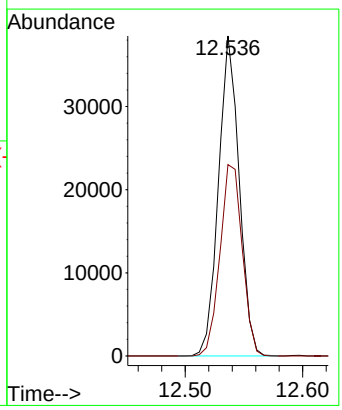


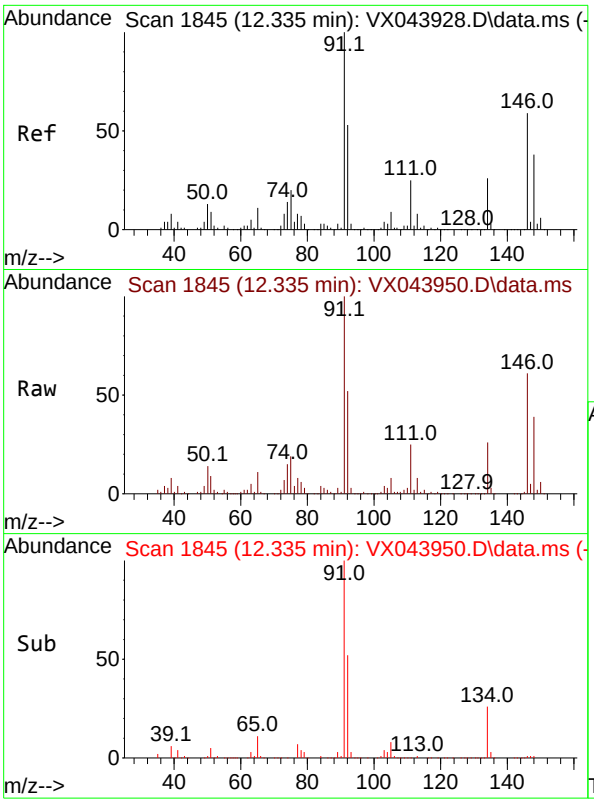




#90
Hexachloroethane
Concen: 50.336 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:117 Resp: 47025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 64.6 | 32.4 | 97.0 |



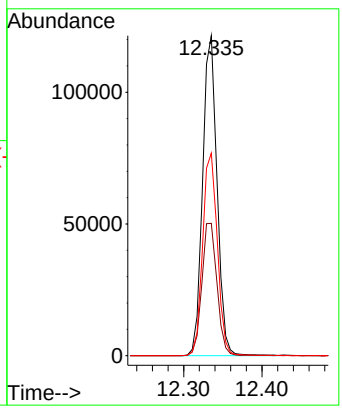


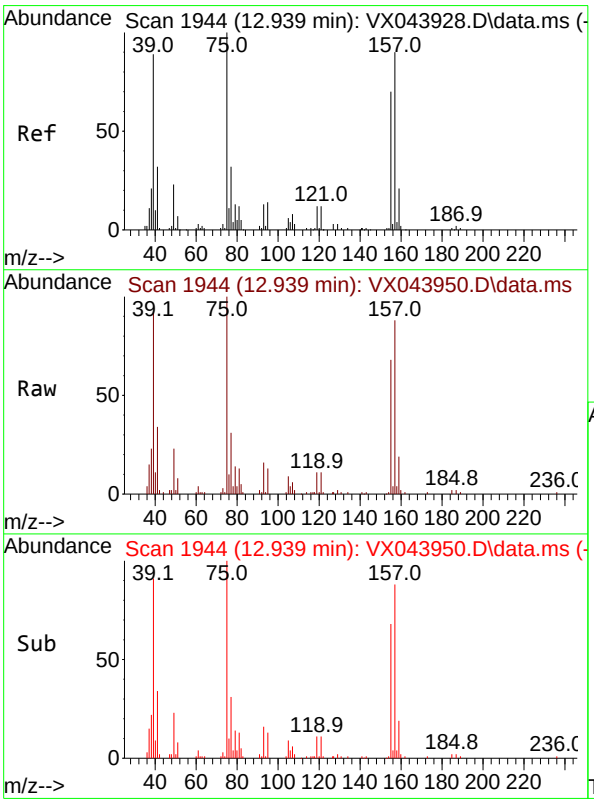

#91
1,2-Dichlorobenzene
Concen: 52.281 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 155184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 21.5 | 64.5 |
| 148 | 64.5 | 31.9 | 95.5 |

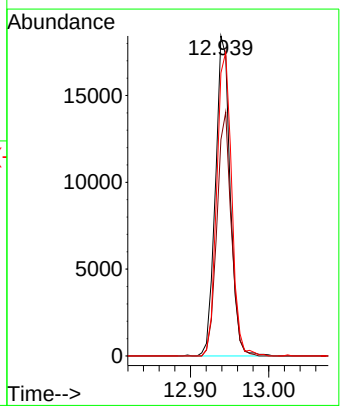


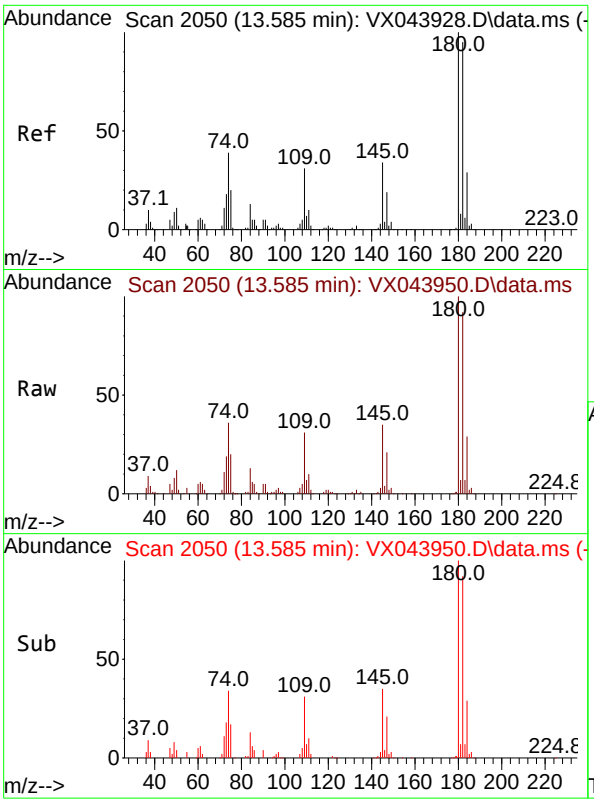




#92
1,2-Dibromo-3-Chloropropane
Concen: 52.076 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.3 | 40.1 | 120.2 |
| 157 | 96.2 | 49.6 | 149.0 |



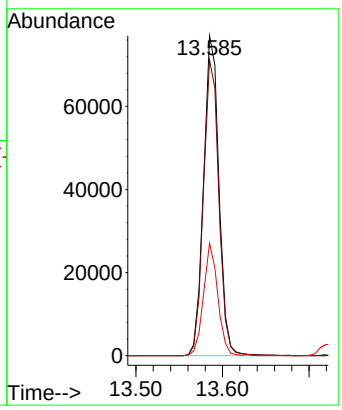


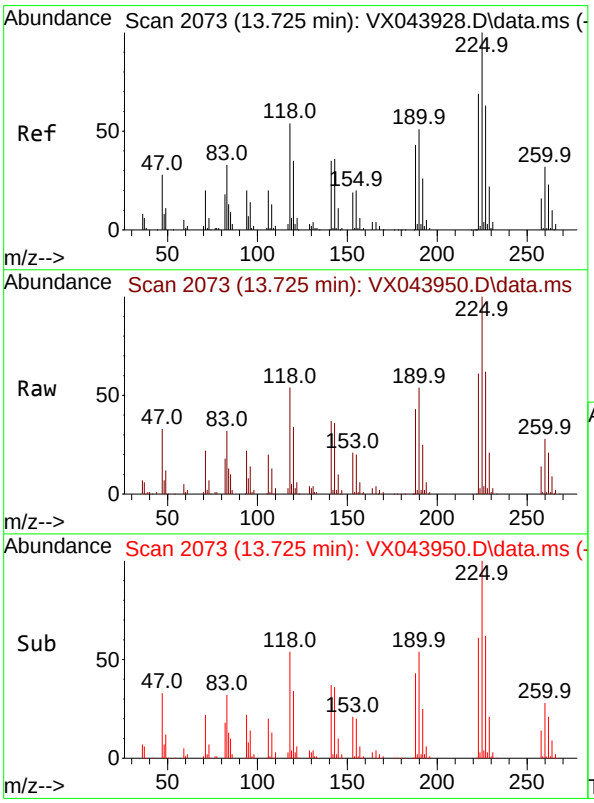

#93
1,2,4-Trichlorobenzene
Concen: 54.252 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 94940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.6 | 48.0 | 144.2 |
| 145 | 32.8 | 16.8 | 50.4 |

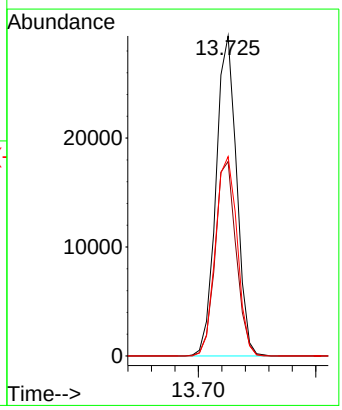


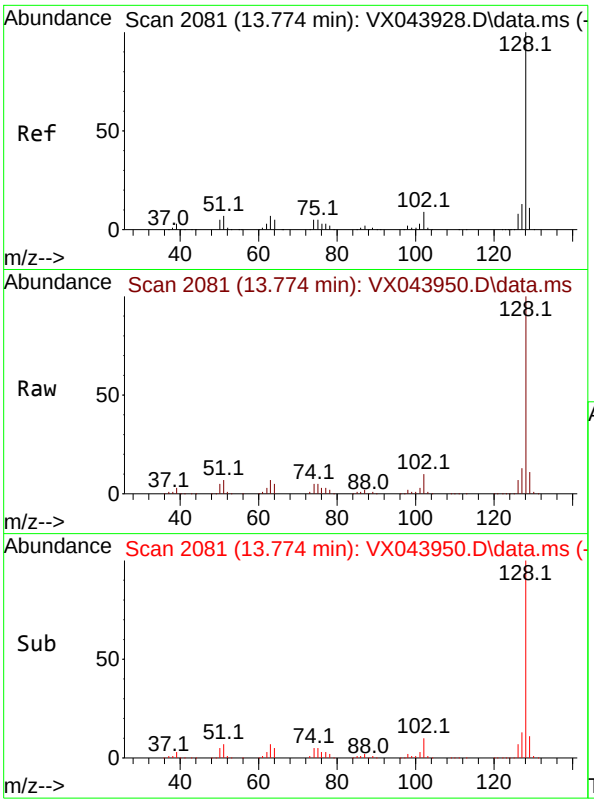




#94
Hexachlorobutadiene
Concen: 51.785 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:225 Resp: 35816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.7 | 32.9 | 98.6 |
| 227 | 65.7 | 31.6 | 94.8 |



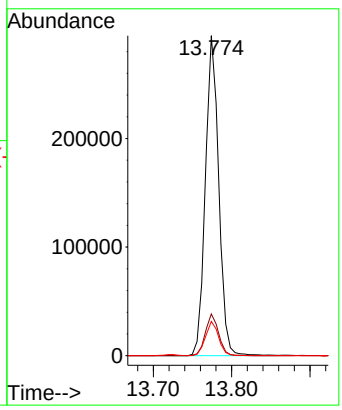


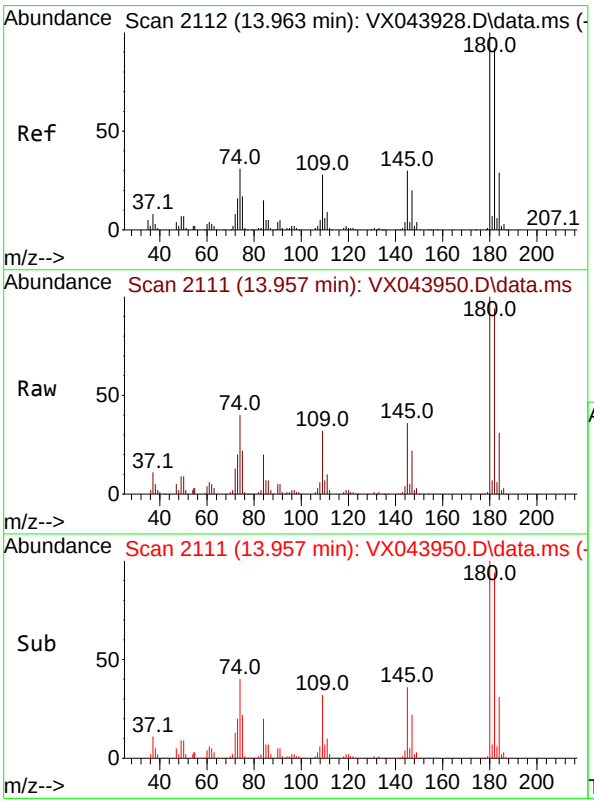

#95
Naphthalene
Concen: 55.215 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 347826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.6 | 8.6 | 12.8 |

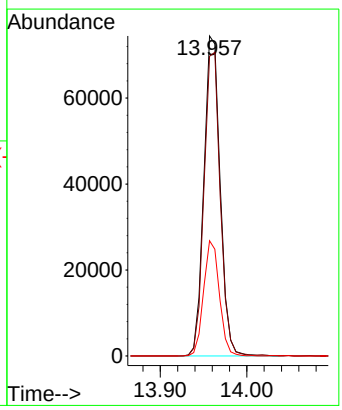



#96
1,2,3-Trichlorobenzene
Concen: 55.041 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043950.D
Acq: 22 Nov 2024 11:22

Tgt Ion:180 Resp: 97491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 45.6 | 136.8 |
| 145 | 34.8 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.543 | 168 | 122957 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 229417 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195535 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 86659 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 113852 | 53.986 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.980% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 82706 | 50.452 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.900% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 287688 | 50.911 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 96910 | 50.392 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.780% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 31130 | 19.985 | ug/l | 94 |
| 3) Chloromethane | 1.294 | 50 | 34079 | 20.791 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 36280 | 20.809 | ug/l | 100 |
| 5) Bromomethane | 1.599 | 94 | 23111 | 21.548 | ug/l | 97 |
| 6) Chloroethane | 1.666 | 64 | 24828 | 23.371 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.873 | 101 | 60641 | 19.455 | ug/l | 97 |
| 8) Diethyl Ether | 2.136 | 74 | 23915 | 21.050 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 30353 | 20.414 | ug/l | 97 |
| 10) Methyl Iodide | 2.446 | 142 | 39789 | 21.427 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.989 | 59 | 34049 | 100.588 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.312 | 96 | 28927 | 20.417 | ug/l | 93 |
| 13) Acrolein | 2.239 | 56 | 37938 | 106.330 | ug/l | 95 |
| 14) Allyl chloride | 2.660 | 41 | 48638 | 21.009 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 85765 | 103.970 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 96805 | 99.942 | ug/l | 98 |
| 17) Carbon Disulfide | 2.501 | 76 | 49804 | 17.041 | ug/l # | 95 |
| 18) Methyl Acetate | 2.703 | 43 | 46269 | 20.512 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 110640 | 21.507 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 34071 | 20.728 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 30530 | 20.871 | ug/l | 95 |
| 22) Diisopropyl ether | 3.757 | 45 | 109520 | 22.124 | ug/l # | 87 |
| 23) Vinyl Acetate | 3.721 | 43 | 453316 | 107.047 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 60662 | 21.241 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 130824 | 104.675 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 52043 | 20.178 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.489 | 96 | 37579 | 20.783 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 24947 | 19.846 | ug/l | 97 |
| 29) Tetrahydrofuran | 5.007 | 42 | 79046 | 103.164 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 66350 | 21.602 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 46697 | 19.867 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 56657 | 21.390 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 41234 | 20.185 | ug/l | 97 |
| 37) Ethyl Acetate | 4.714 | 43 | 49752 | 19.620 | ug/l # | 92 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 43324 | 18.875 | ug/l | 95 |
| 39) Methylcyclohexane | 7.372 | 83 | 49229 | 18.550 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 129291 | 20.319 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 26340 | 20.295 | ug/l | # | 93 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 52905 | 20.702 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 81776 | 20.264 | ug/l | | 100 |
| 44) Trichloroethene | 7.122 | 130 | 30582 | 16.978 | ug/l | | 89 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 32777 | 21.032 | ug/l | | 97 |
| 46) Dibromomethane | 7.574 | 93 | 25316 | 20.535 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 43925 | 19.866 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.689 | 41 | 38226 | 19.741 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 11659 | 338.011 | ug/l | # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 248440 | 100.883 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 77505 | 20.351 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 45015 | 19.965 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 48377 | 19.572 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31640 | 20.126 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 49905 | 20.380 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 55597 | 20.993 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 122520 | 90.630 | ug/l | | 98 |
| 59) 2-Hexanone | 9.433 | 43 | 186272 | 100.633 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 29549 | 18.733 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 32532 | 20.465 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.274 | 164 | 26135 | 20.270 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 85495 | 19.908 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28882 | 20.737 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 148481 | 20.404 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 109390 | 40.309 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 54754 | 20.665 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 90186 | 20.579 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 16436 | 16.936 | ug/l | # | 94 |
| 73) Isopropylbenzene | 10.963 | 105 | 140447 | 21.084 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 63571 | 20.600 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 49179 | 21.561 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 49676 | 26.139 | ug/l | | 88 |
| 77) Bromobenzene | 11.195 | 156 | 32930 | 20.723 | ug/l | | 96 |
| 78) n-propylbenzene | 11.305 | 91 | 155584 | 20.912 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 100875 | 21.442 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 119899 | 21.878 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11627 | 16.695 | ug/l | # | 84 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 112420 | 21.166 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 114224 | 21.028 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 116894 | 21.424 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 136947 | 20.577 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 114908 | 21.255 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 59626 | 20.602 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 58980 | 19.988 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 99700 | 20.917 | ug/l | | 97 |
| 90) Hexachloroethane | 12.536 | 117 | 17220 | 18.732 | ug/l | | 91 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 60326 | 20.654 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 7938 | 17.368 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 33614 | 19.521 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 13463 | 19.782 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 124279 | 20.050 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 35212 | 20.203 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

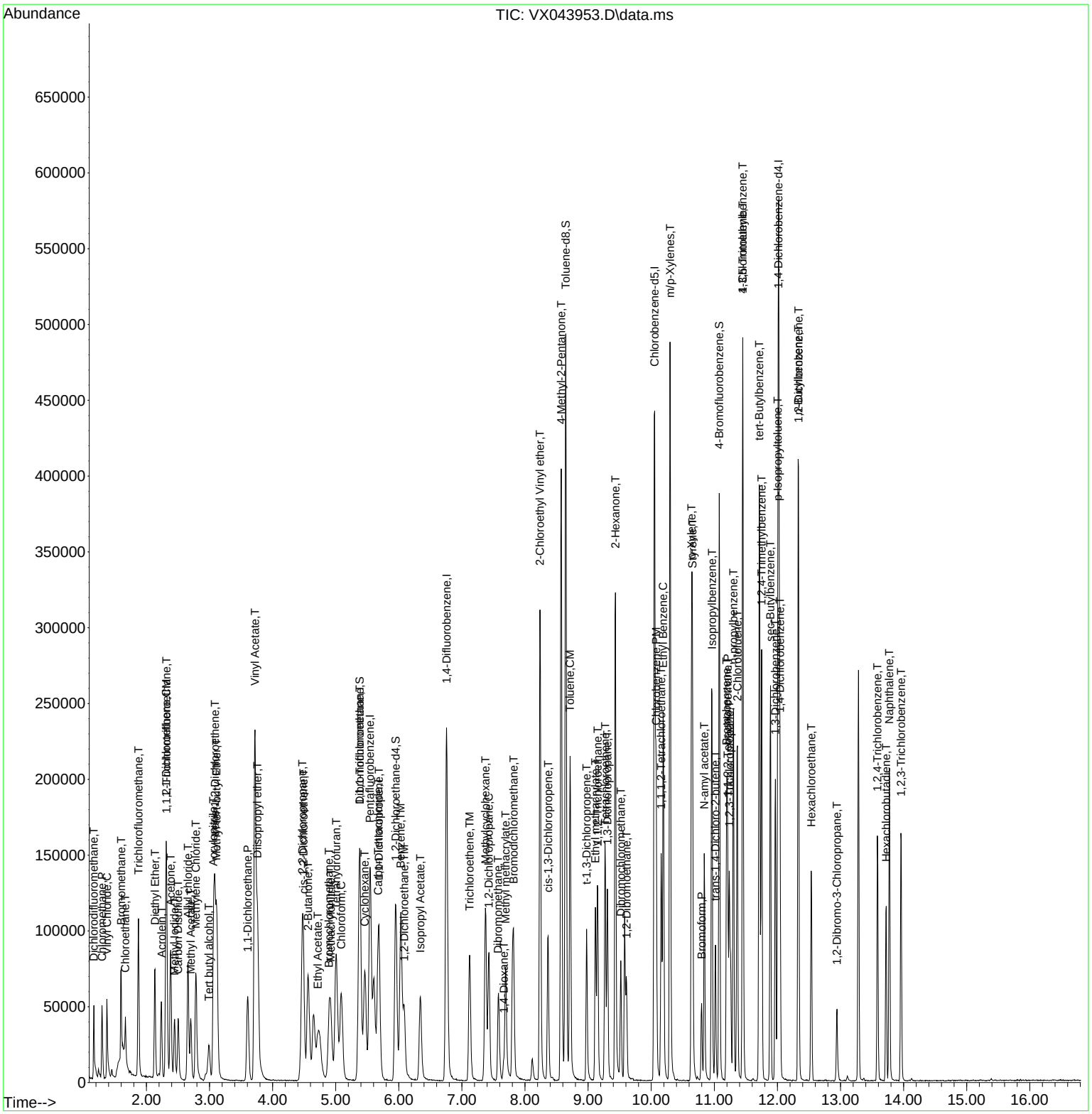
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

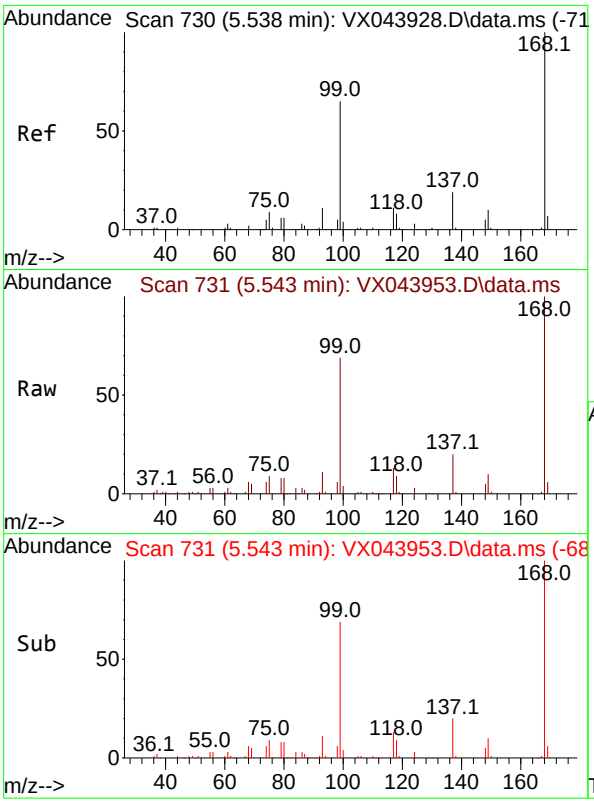
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043953.D
Acq On : 22 Nov 2024 12:36
Operator : JC/MD
Sample : VX1122WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



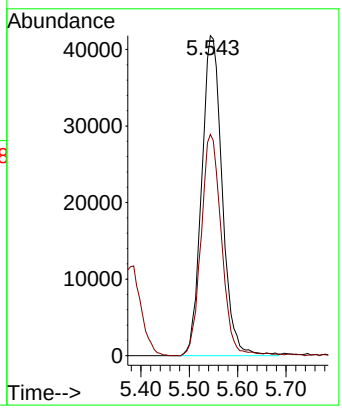


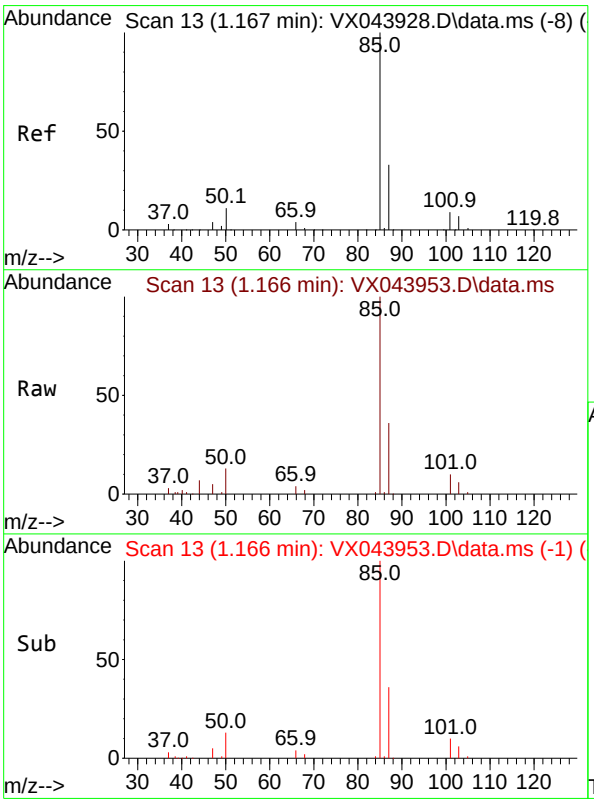

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. 0.005 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:168 Resp: 122957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.1 | 51.8 | 77.8 |

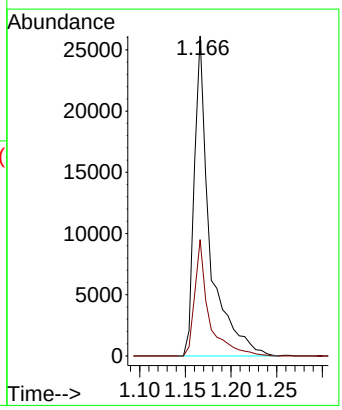


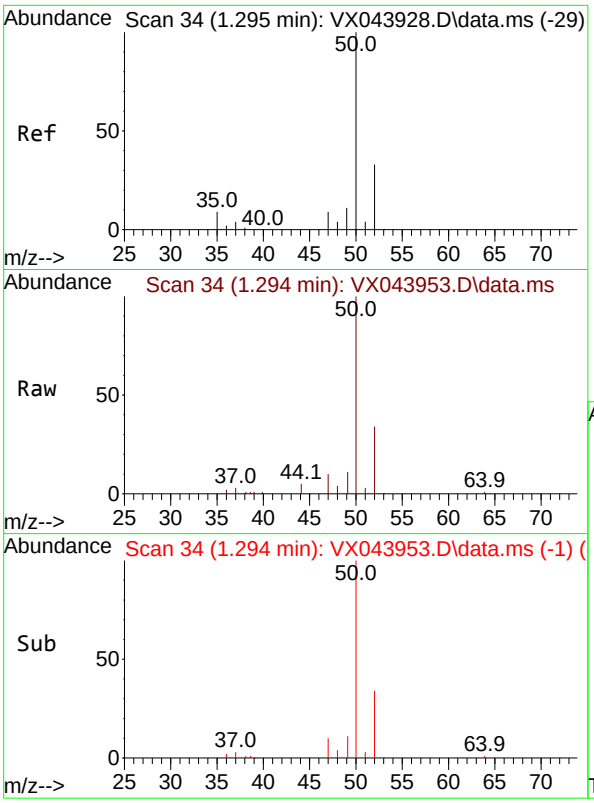




#2
Dichlorodifluoromethane
Concen: 19.985 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 36.3 | 16.6 | 49.8 |



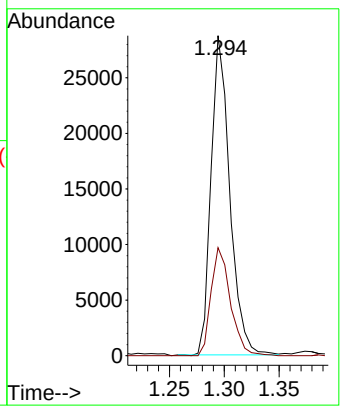


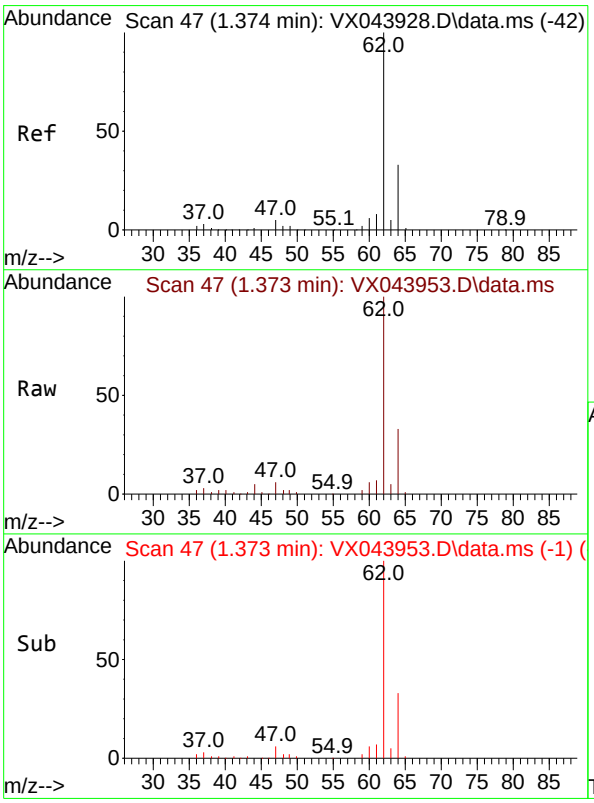

#3
Chloromethane
Concen: 20.791 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 50 Resp: 34079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |

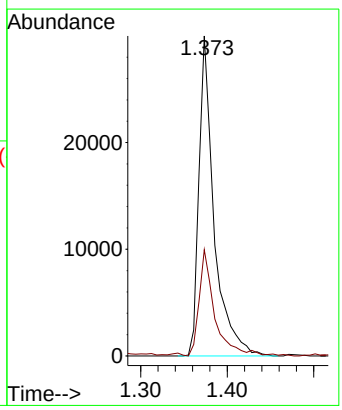


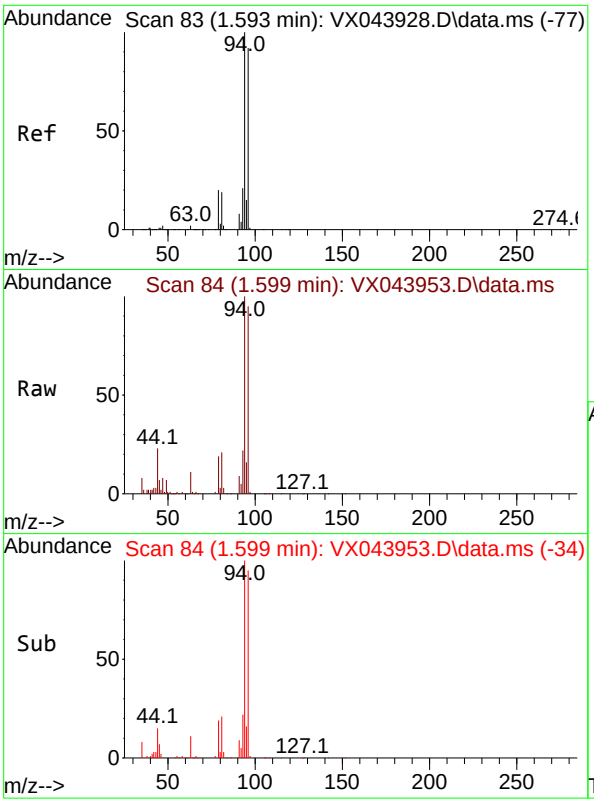




#4
Vinyl Chloride
Concen: 20.809 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 36280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.0 | 26.2 | 39.4 |



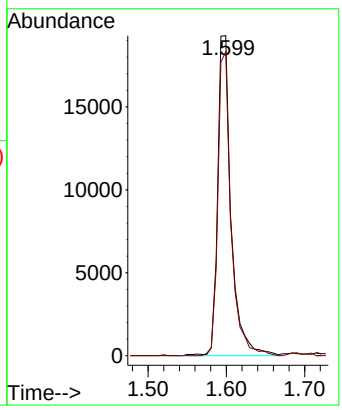


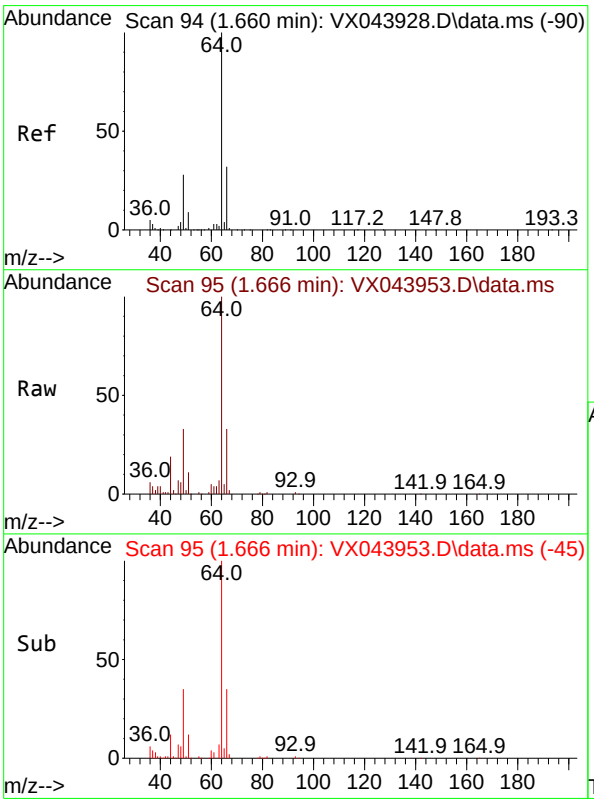

#5
Bromomethane
Concen: 21.548 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 94 Resp: 23111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.9 | 73.9 | 110.9 |

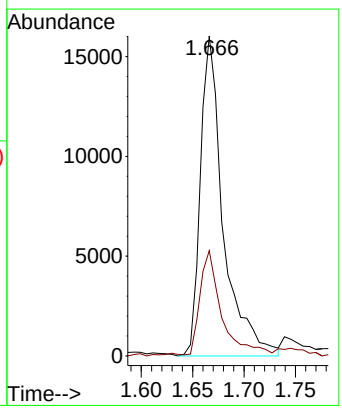


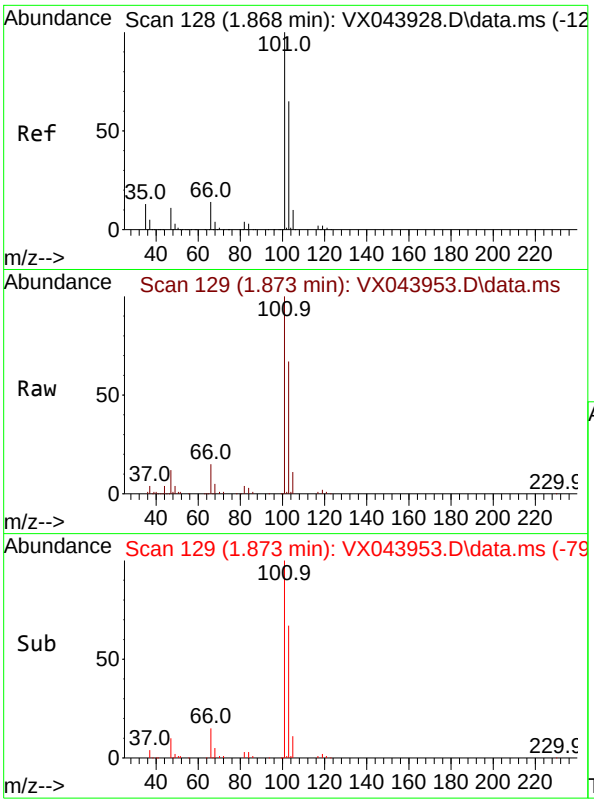




#6
Chloroethane
Concen: 23.371 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.9 | 38.9 |



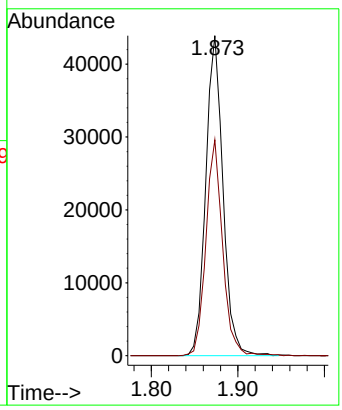


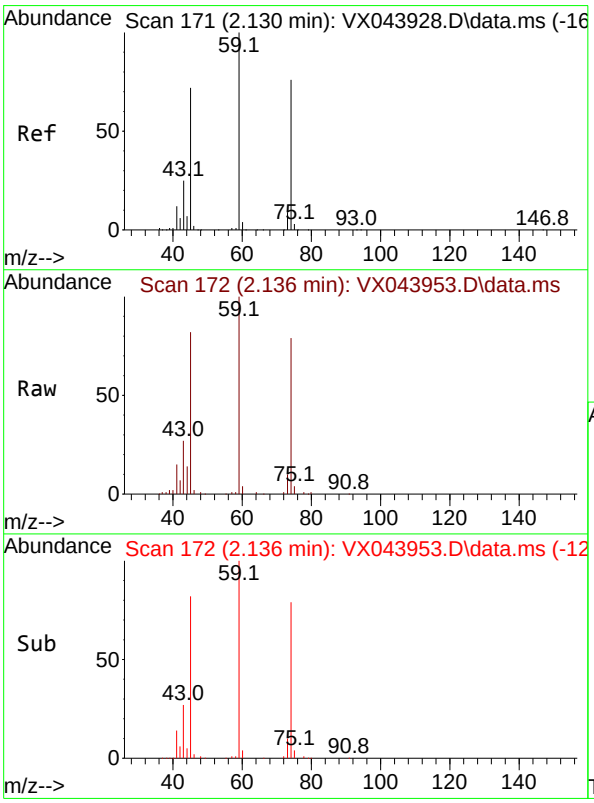

#7
Trichlorofluoromethane
Concen: 19.455 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:101 Resp: 60641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 67.5 | 52.2 | 78.2 |

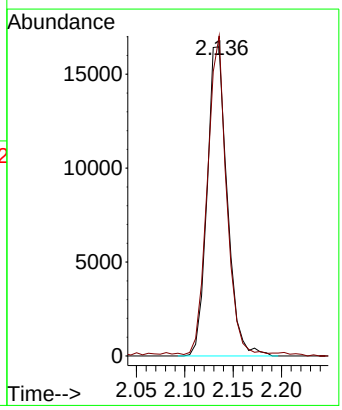


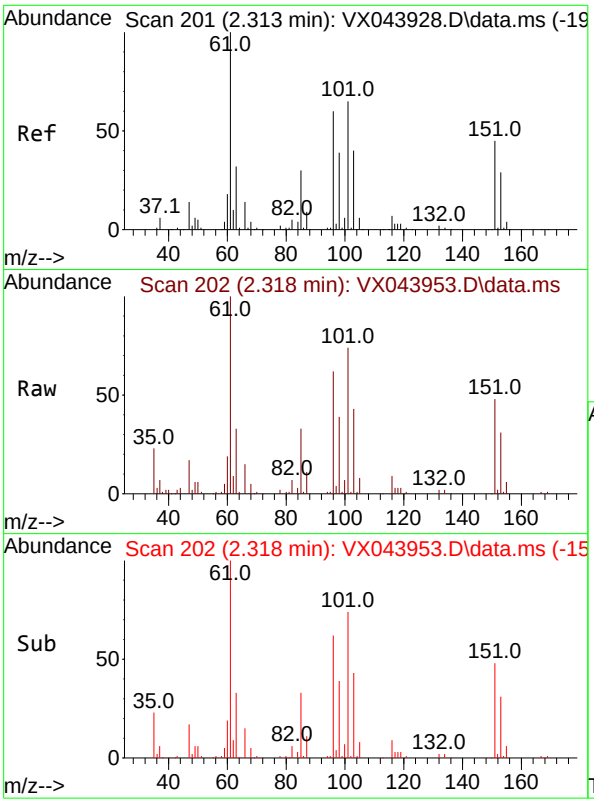




#8
Diethyl Ether
Concen: 21.050 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.7 | 47.9 | 143.6 |



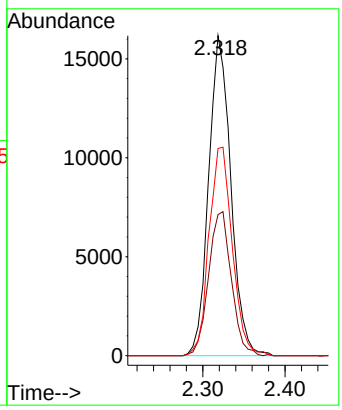


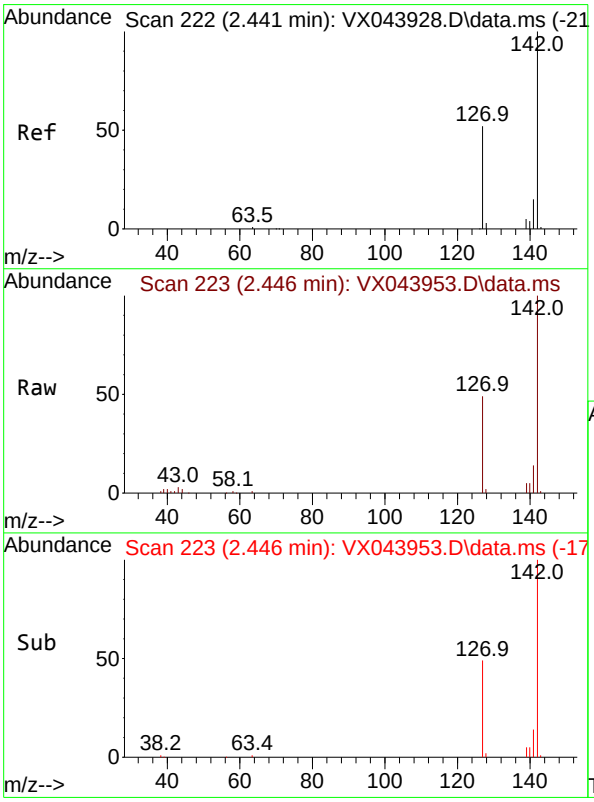

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.414 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:101 Resp: 30353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 46.1 | 37.9 | 56.9 |
| 151 | 68.2 | 57.5 | 86.3 |

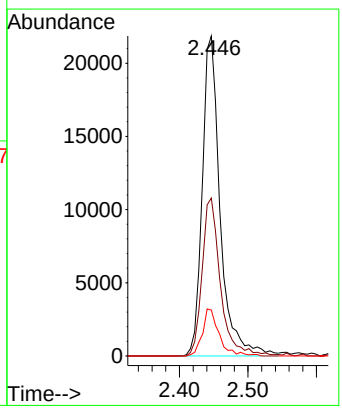


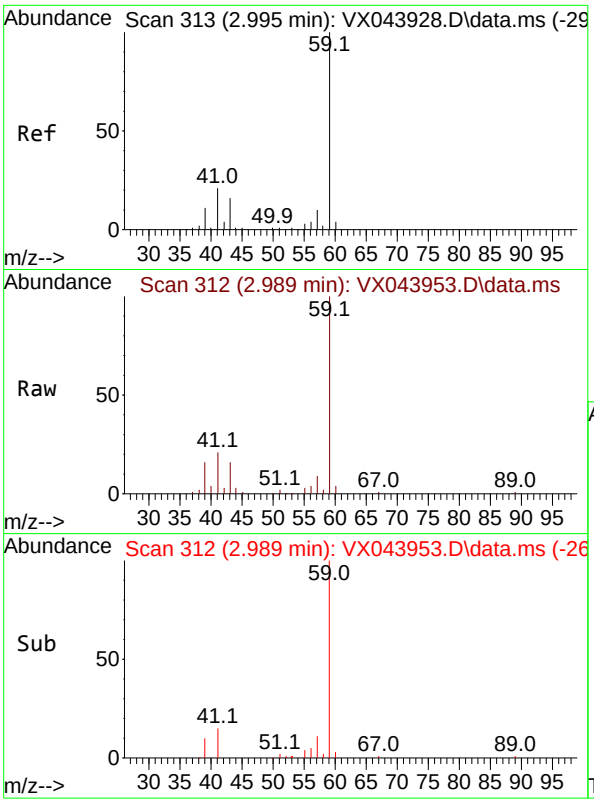




#10
Methyl Iodide
Concen: 21.427 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 50.4 | 40.7 | 61.1 |
| 141 | 13.8 | 12.0 | 18.0 |



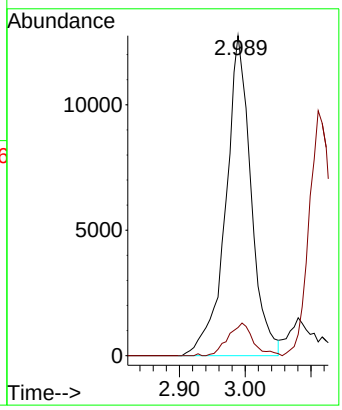


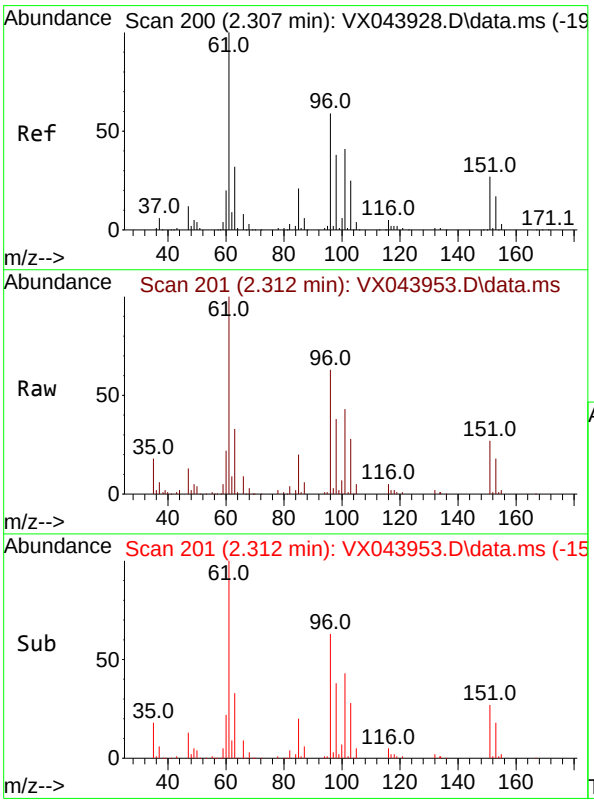

#11
Tert butyl alcohol
Concen: 100.588 ug/l
RT: 2.989 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 59 Resp: 34049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.1 | 7.9 | 11.9 |

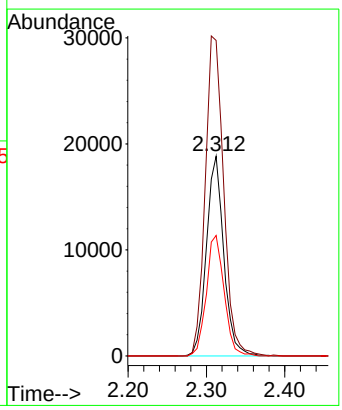


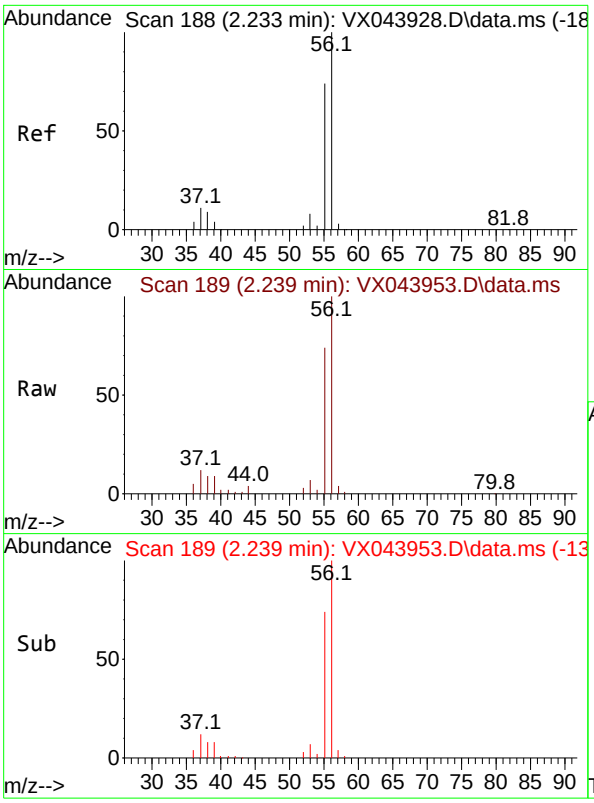




#12
1,1-Dichloroethene
Concen: 20.417 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.0 | 135.5 | 203.3 |
| 98 | 60.3 | 50.8 | 76.2 |



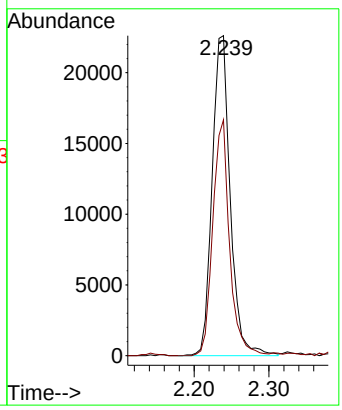


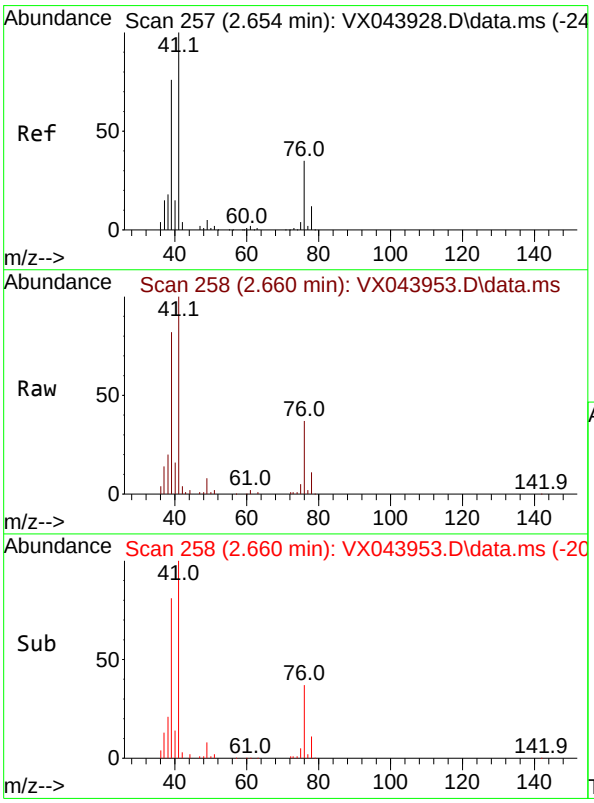

#13
Acrolein
Concen: 106.330 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 56 Resp: 37938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.4 | 58.2 | 87.2 |

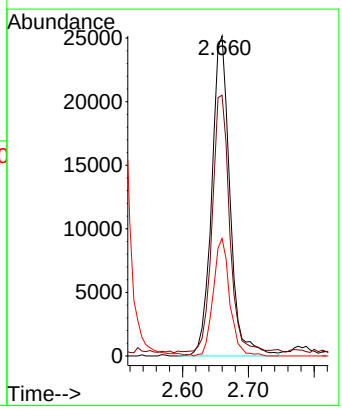


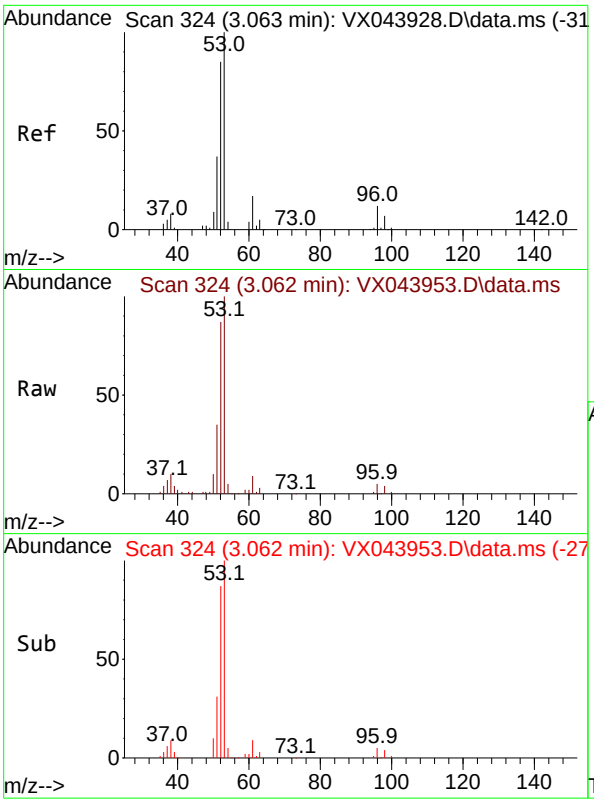




#14
Allyl chloride
Concen: 21.009 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 77.4 | 59.5 | 89.3 |
| 76 | 33.1 | 27.4 | 41.2 |



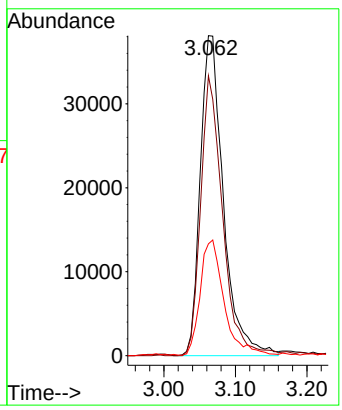


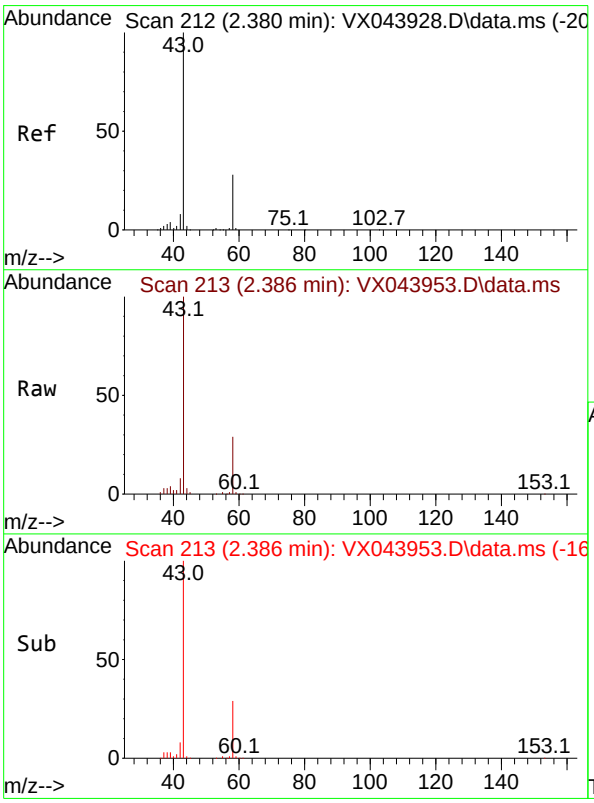

#15
Acrylonitrile
Concen: 103.970 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 53 Resp: 85765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.4 | 66.5 | 99.7 |
| 51 | 36.9 | 30.2 | 45.4 |

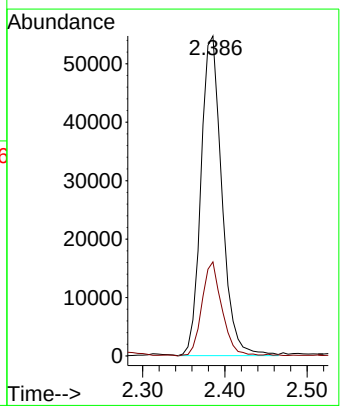


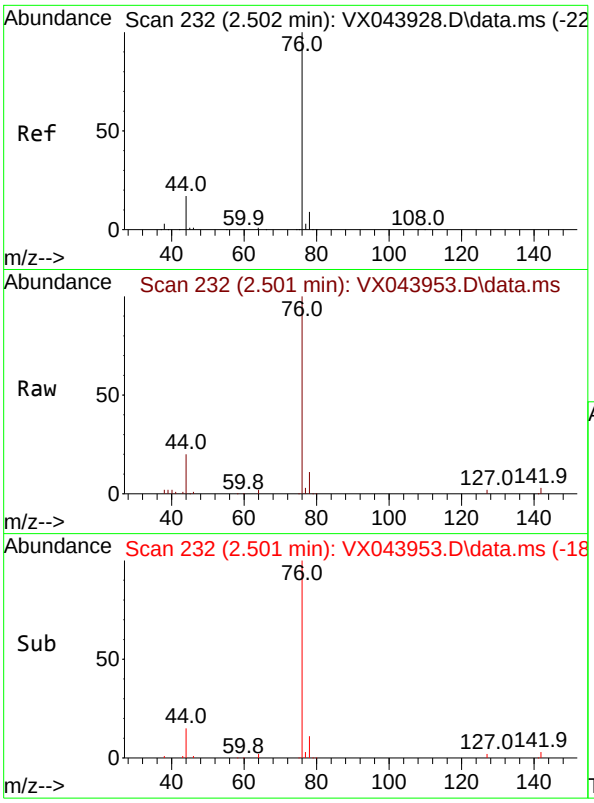




#16
Acetone
Concen: 99.942 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 96805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 22.7 | 34.1 |



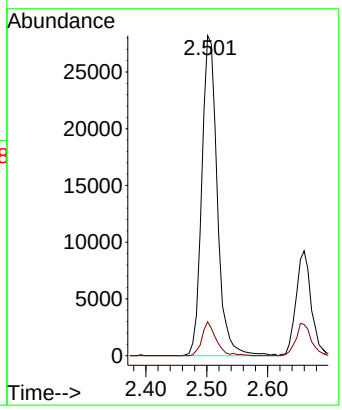


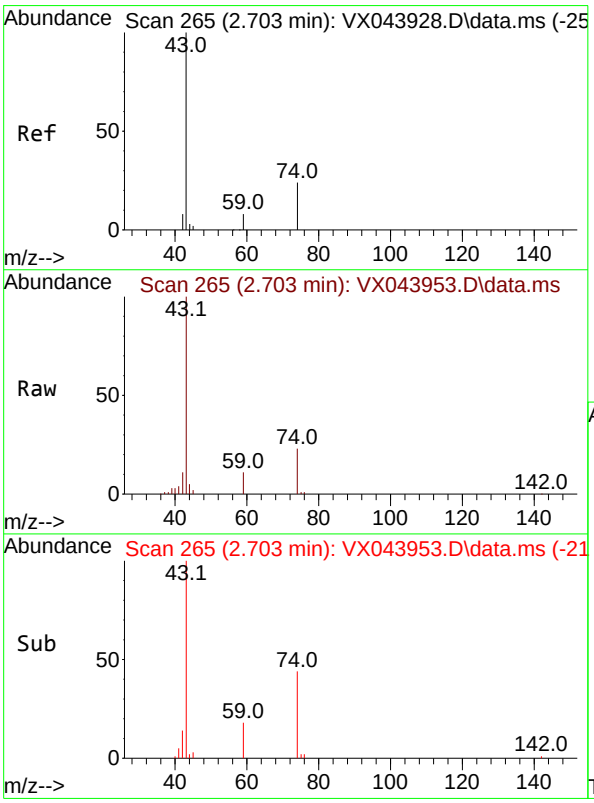

#17
Carbon Disulfide
Concen: 17.041 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 76 Resp: 49804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 10.6 | 7.0 | 10.6# |

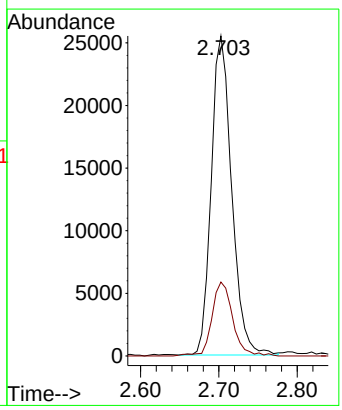


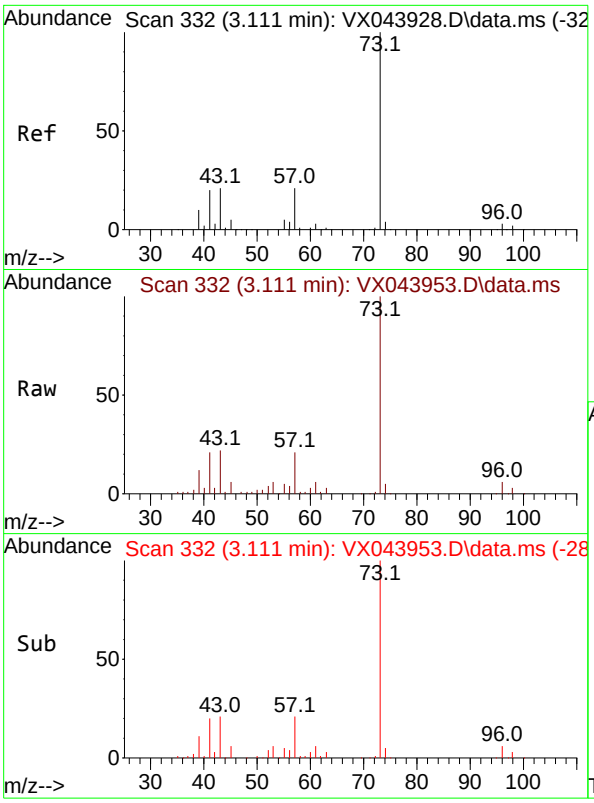




#18
Methyl Acetate
Concen: 20.512 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.5 | 18.9 | 28.3 |



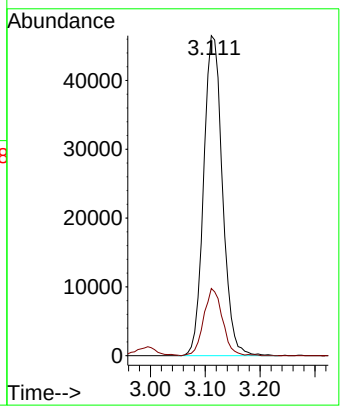


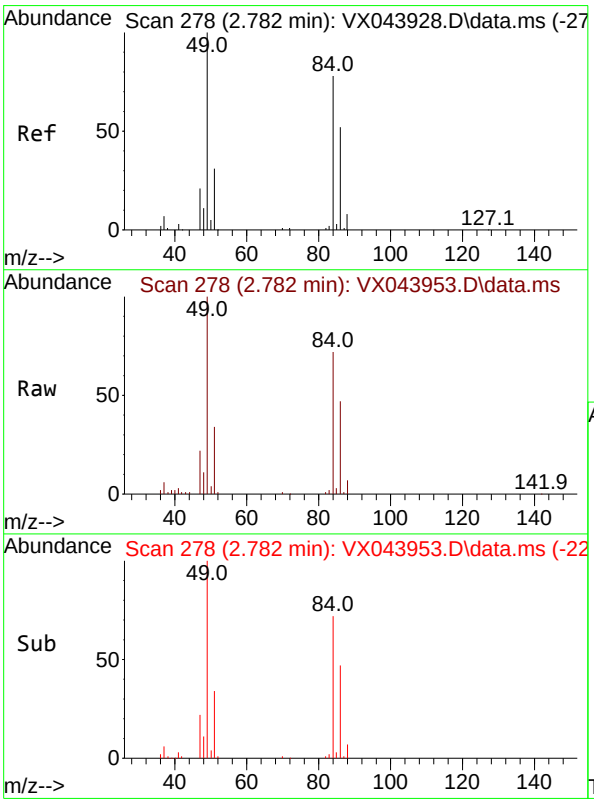

#19
Methyl tert-butyl Ether
Concen: 21.507 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 73 Resp: 110640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.0 | 25.6 |

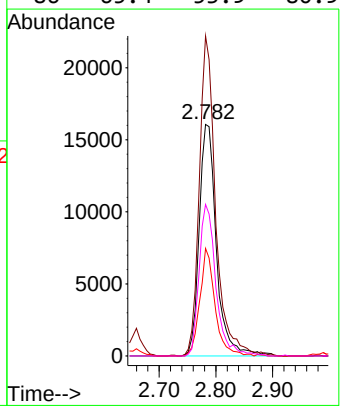


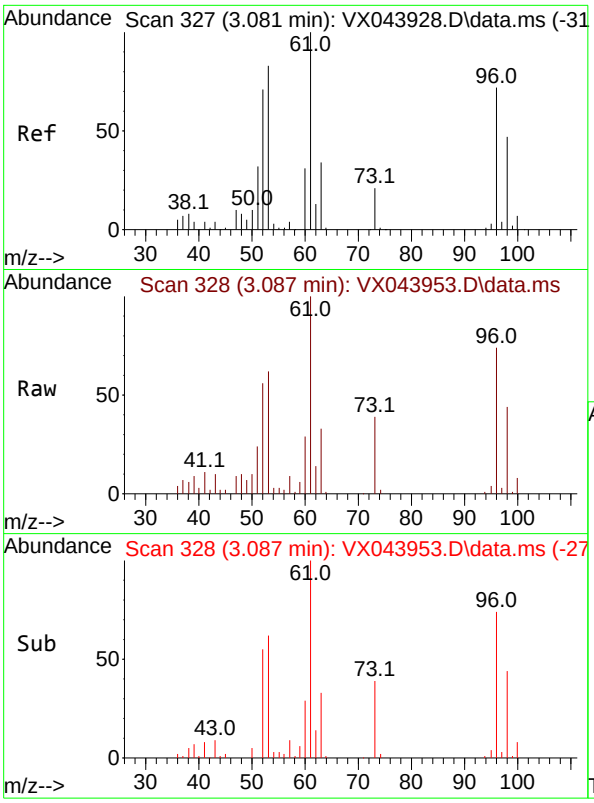




#20
Methylene Chloride
Concen: 20.728 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 138.2 | 102.7 | 154.1 |
| 51 | 46.5 | 31.7 | 47.5 |
| 86 | 65.4 | 53.9 | 80.9 |



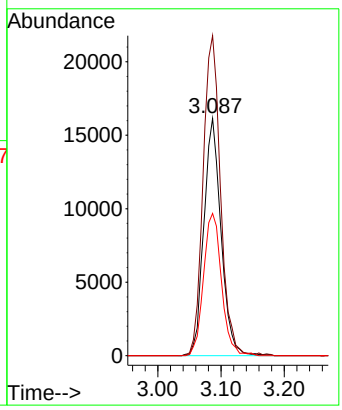


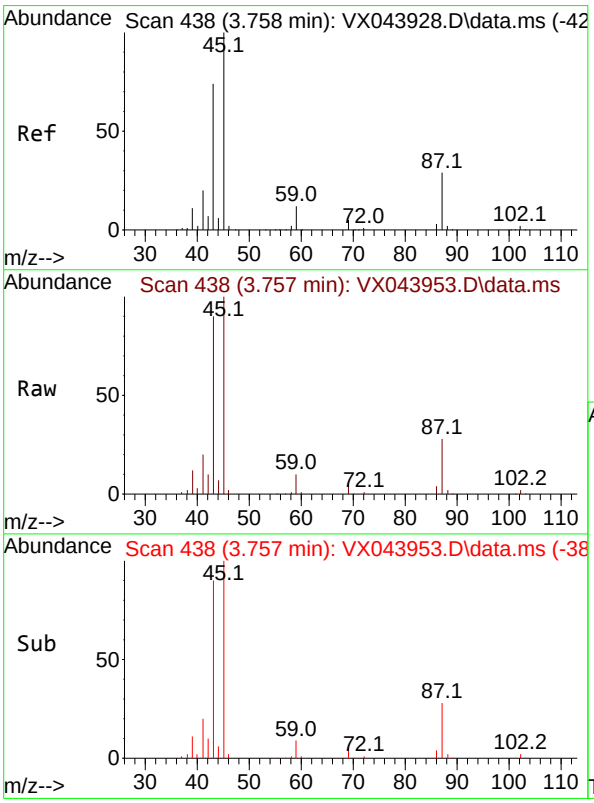

#21
trans-1,2-Dichloroethene
Concen: 20.871 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 96 Resp: 30530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.8 | 111.8 | 167.6 |
| 98 | 59.9 | 52.7 | 79.1 |

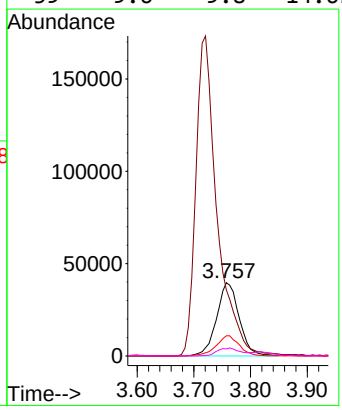


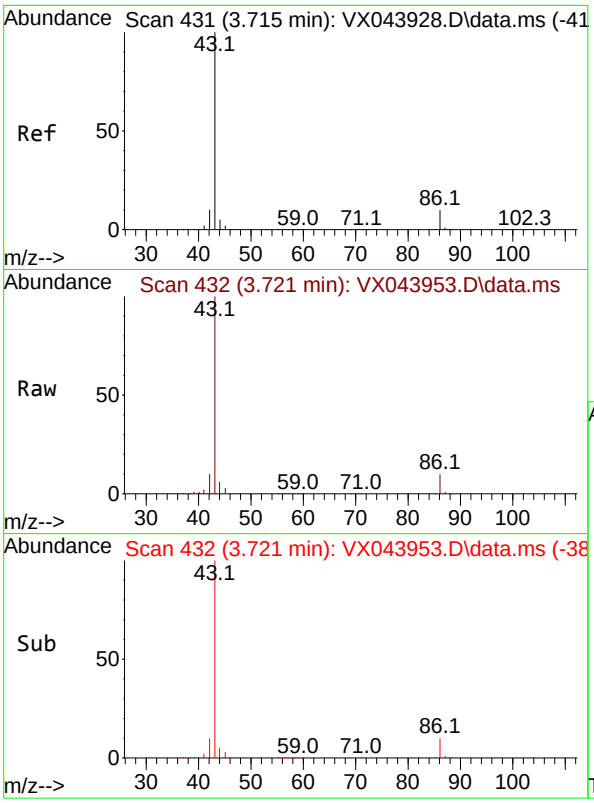




#22
Diisopropyl ether
Concen: 22.124 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 89.8 | 59.6 | 89.4# |
| 87 | 27.5 | 22.9 | 34.3 |
| 59 | 9.6 | 9.8 | 14.6# |



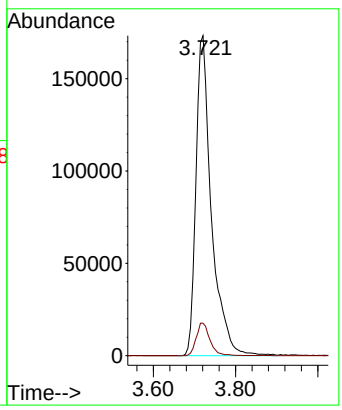


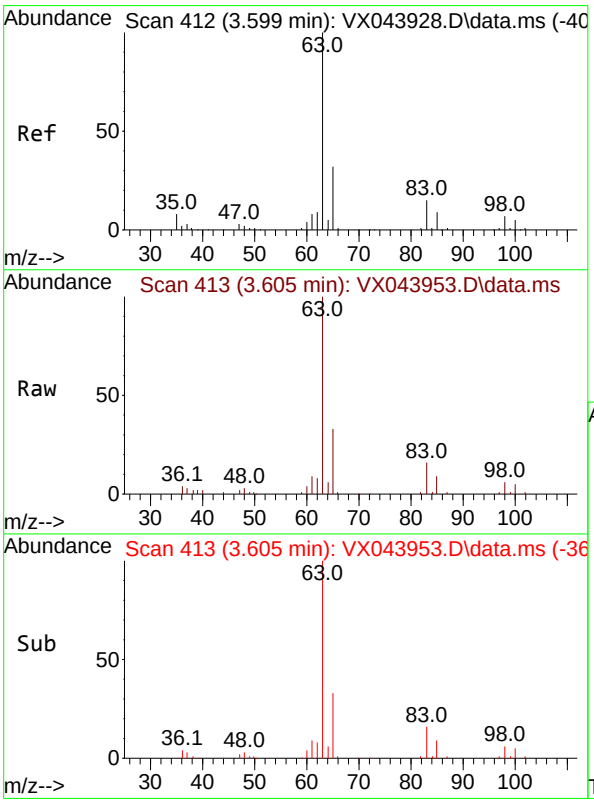

#23
Vinyl Acetate
Concen: 107.047 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 453316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 8.3 | 12.5 |

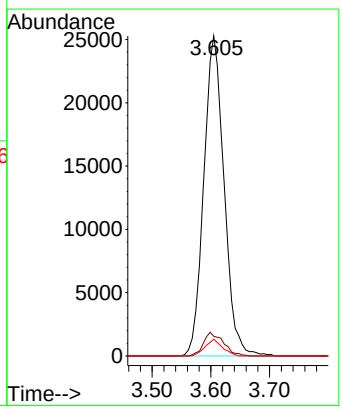


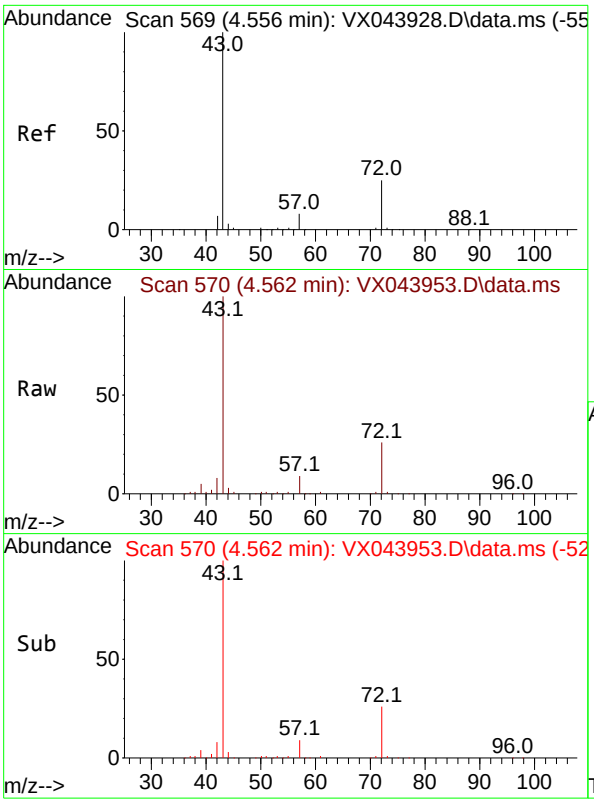




#24
1,1-Dichloroethane
Concen: 21.241 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.5 | 10.6 |
| 100 | 5.2 | 2.4 | 7.1 |



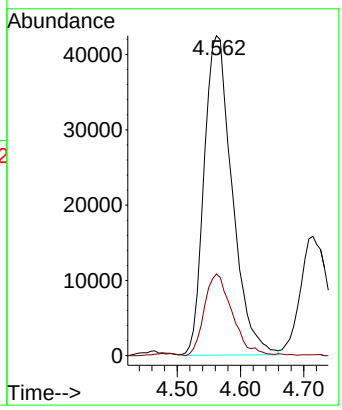


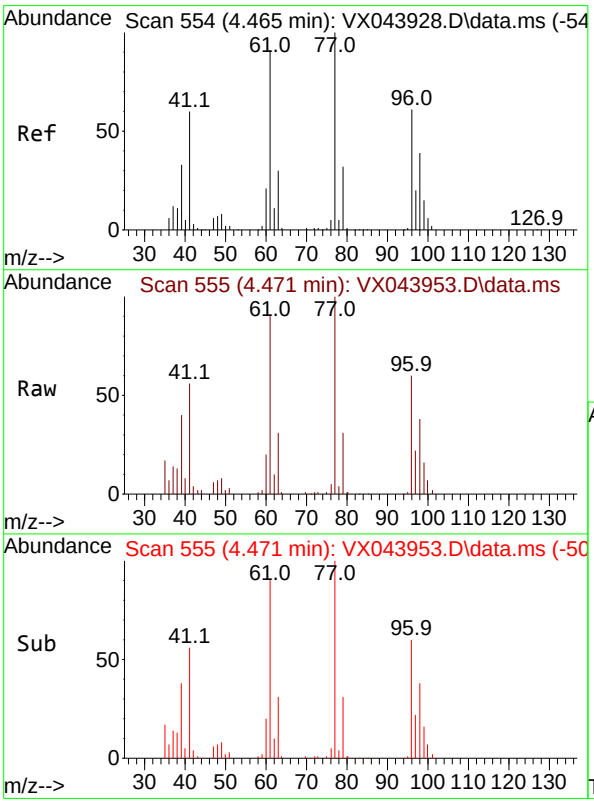

#25
2-Butanone
Concen: 104.675 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 130824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.3 | 20.2 | 30.2 |

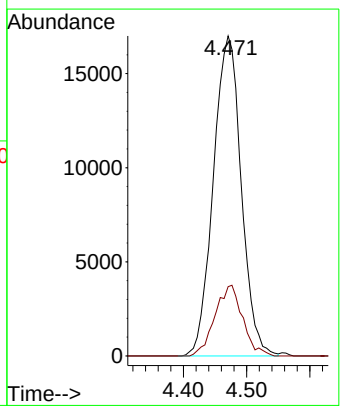


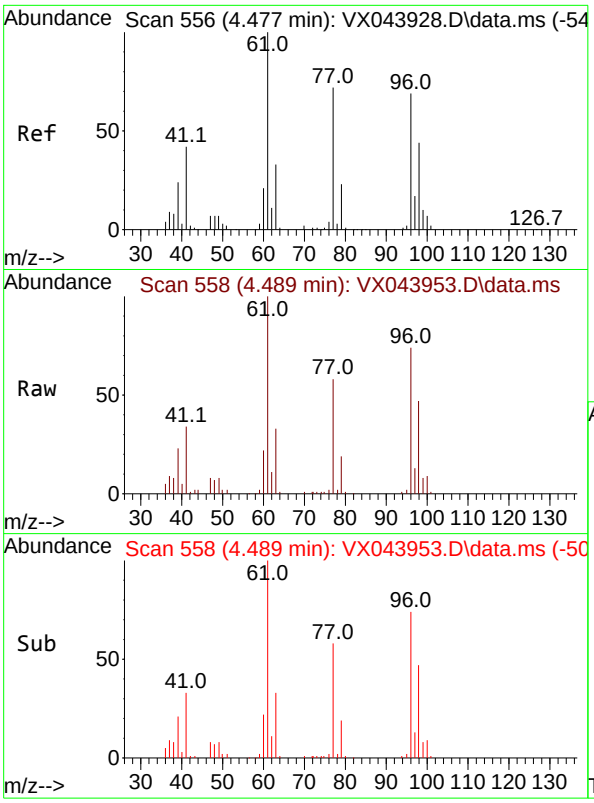




#26
2,2-Dichloropropane
Concen: 20.178 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.8 | 32.3 |



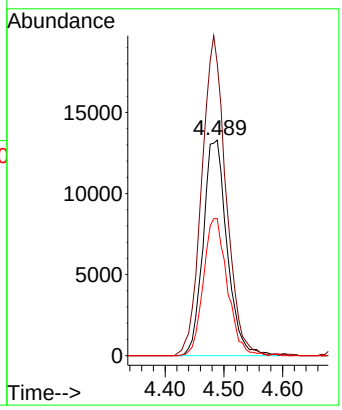


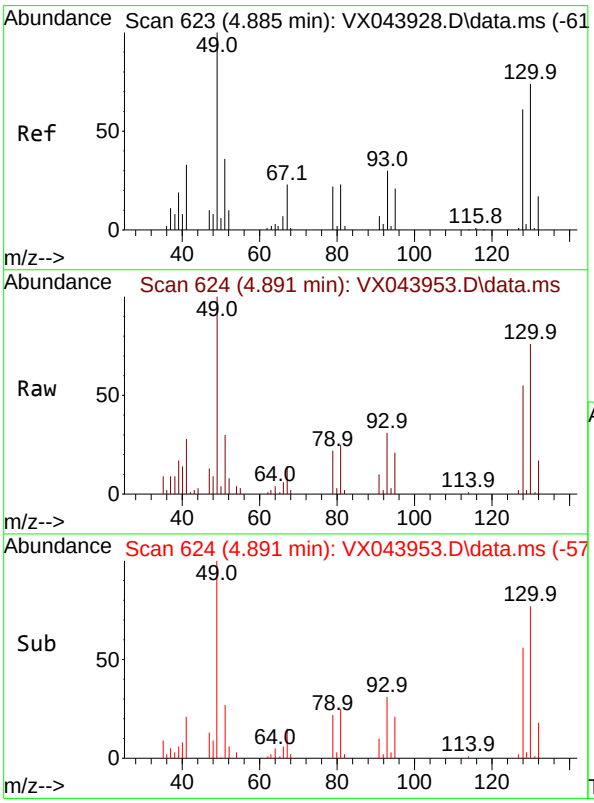

#27
cis-1,2-Dichloroethene
Concen: 20.783 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 96 Resp: 37579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 297.4 |
| 98 | 63.7 | 0.0 | 127.8 |

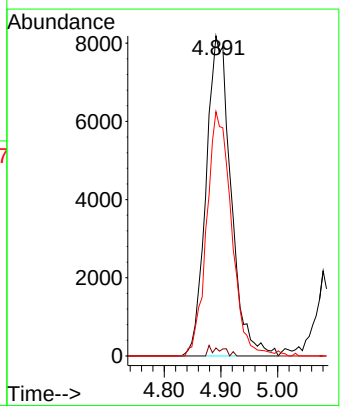


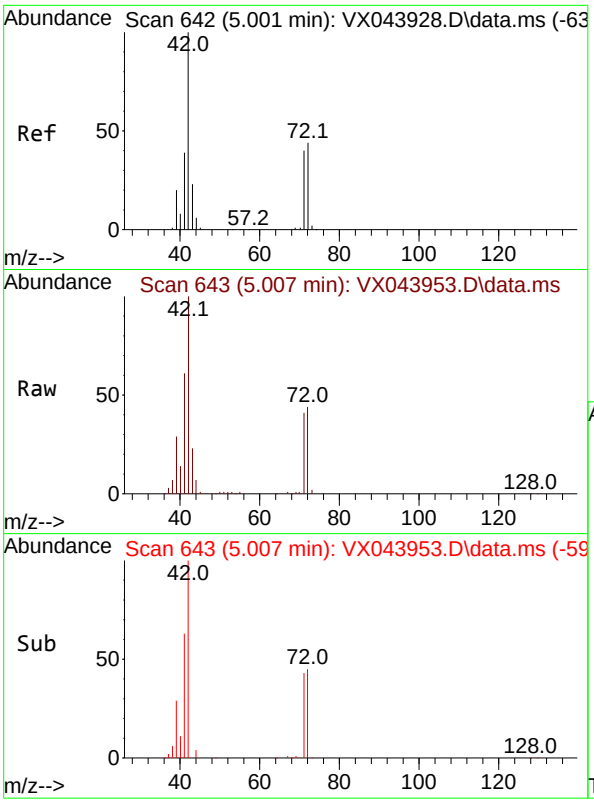




#28
Bromochloromethane
Concen: 19.846 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.5 | 0.0 | 4.0 |
| 130 | 76.0 | 59.0 | 88.6 |



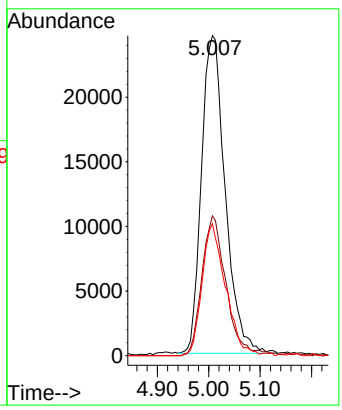


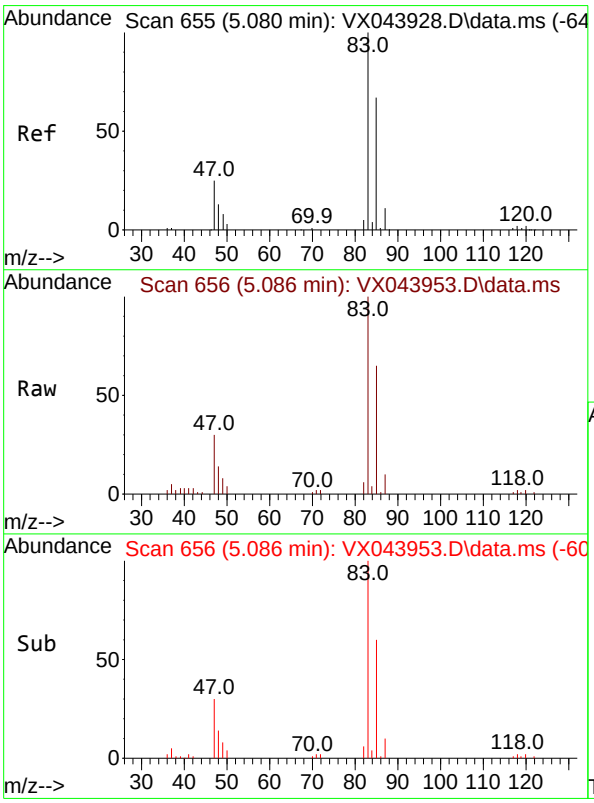

#29
Tetrahydrofuran
Concen: 103.164 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 42 Resp: 79046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.8 | 36.4 | 54.6 |
| 71 | 40.9 | 33.4 | 50.0 |

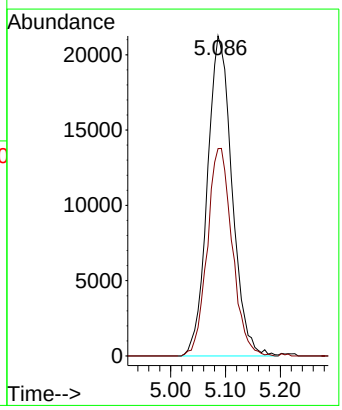


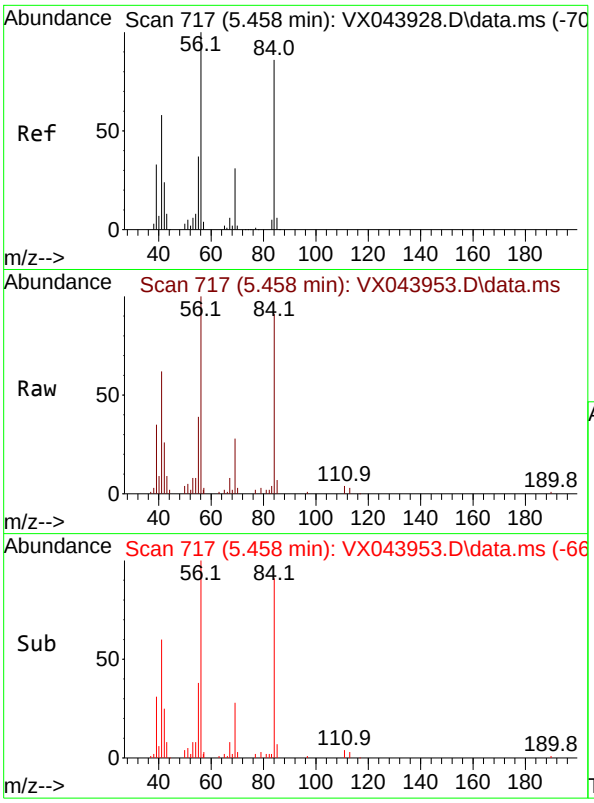




#30
Chloroform
Concen: 21.602 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 53.5 | 80.3 |



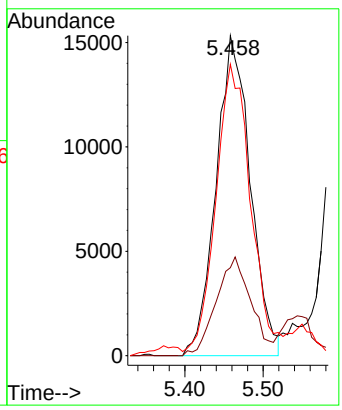


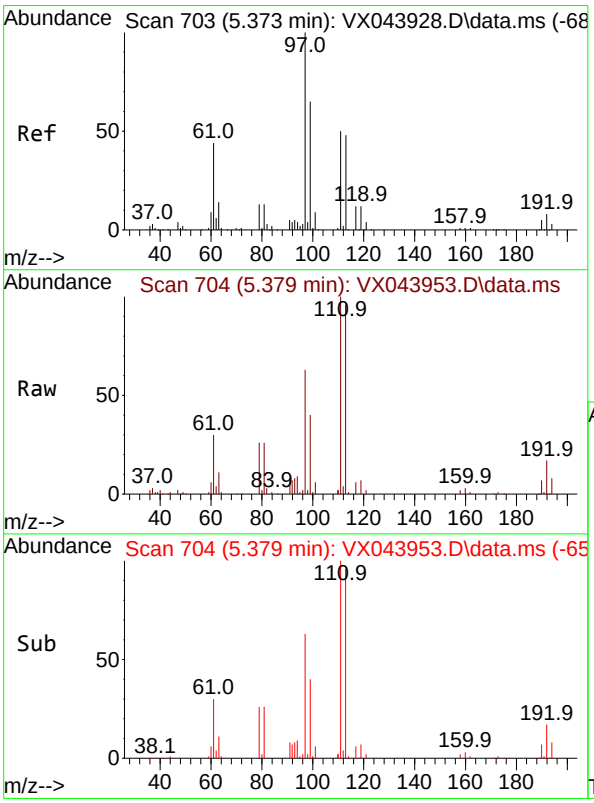

#31
Cyclohexane
Concen: 19.867 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 56 Resp: 46697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.5 | 24.7 | 37.1 |
| 84 | 88.5 | 68.7 | 103.1 |

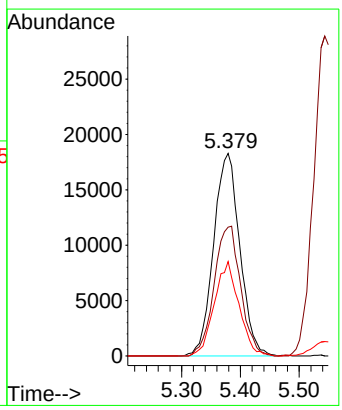


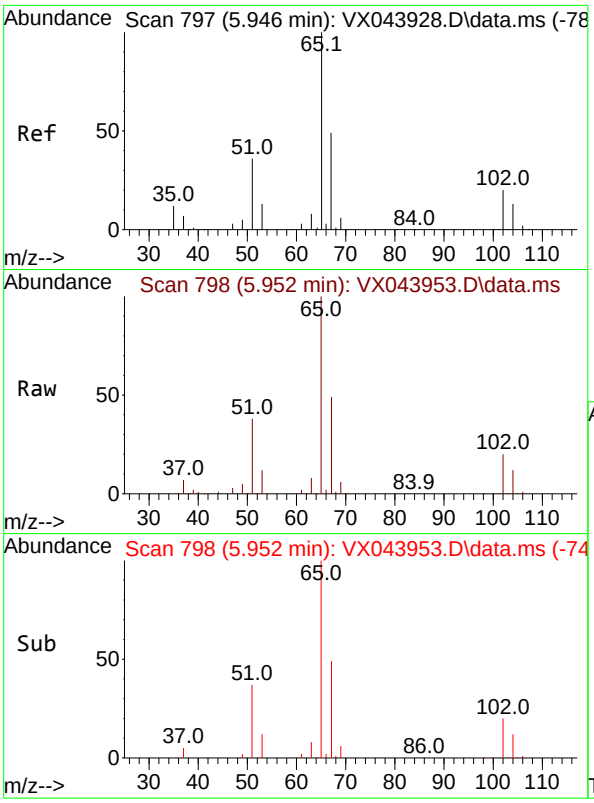




#32
1,1,1-Trichloroethane
Concen: 21.390 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.8 | 50.8 | 76.2 |
| 61 | 43.9 | 35.4 | 53.2 |



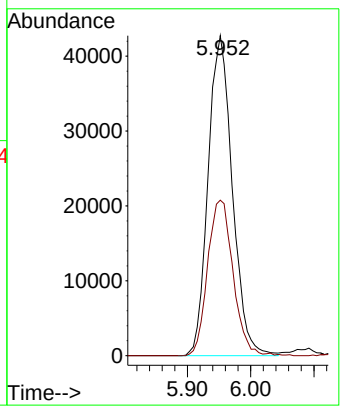


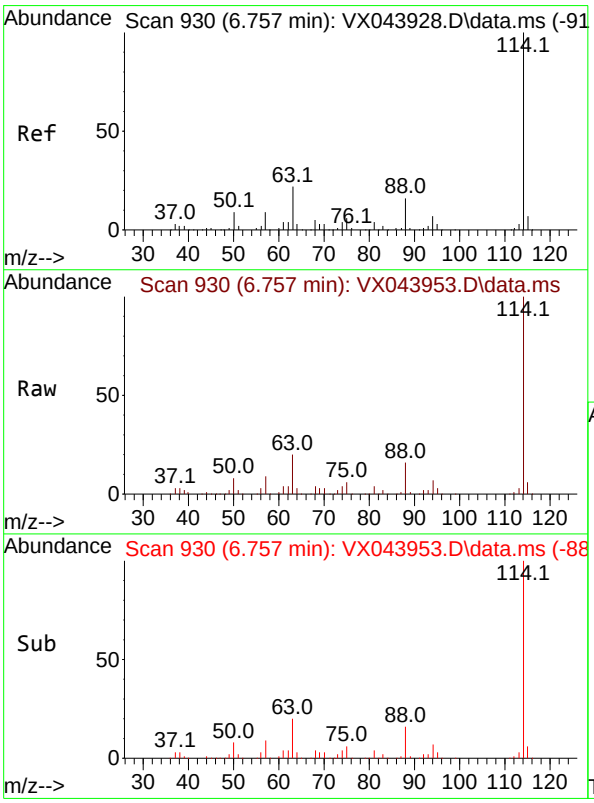

#33
1,2-Dichloroethane-d4
Concen: 53.986 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 65 Resp: 113852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |

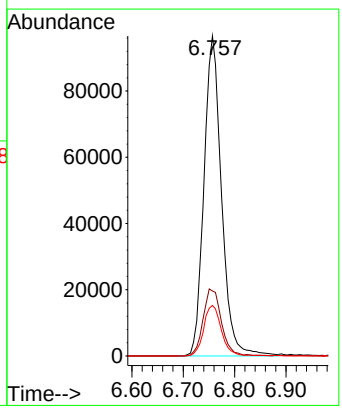


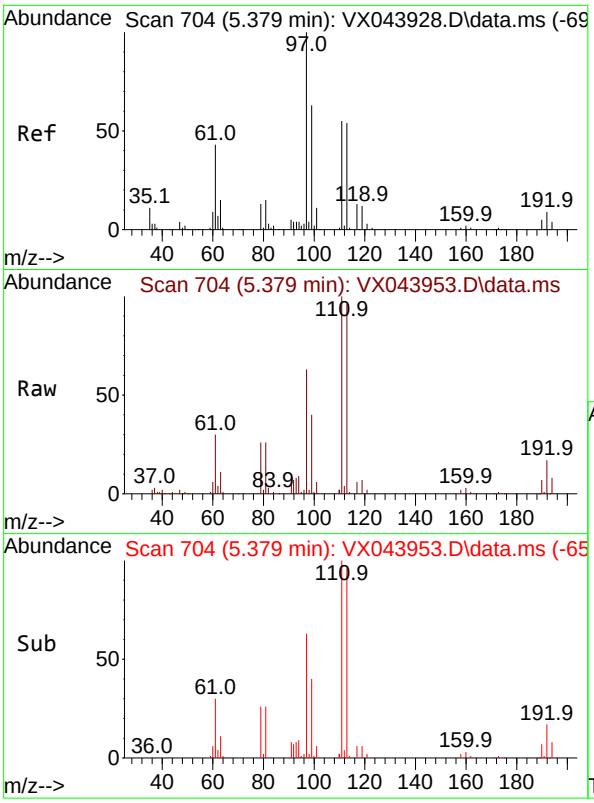




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:114 Resp: 229417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 44.0 |
| 88 | 15.8 | 0.0 | 32.4 |



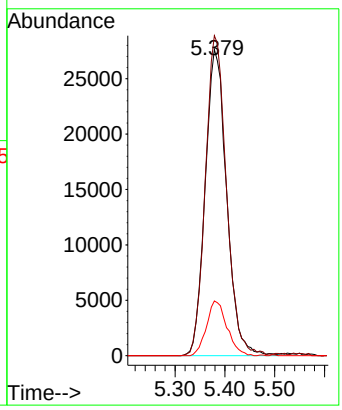


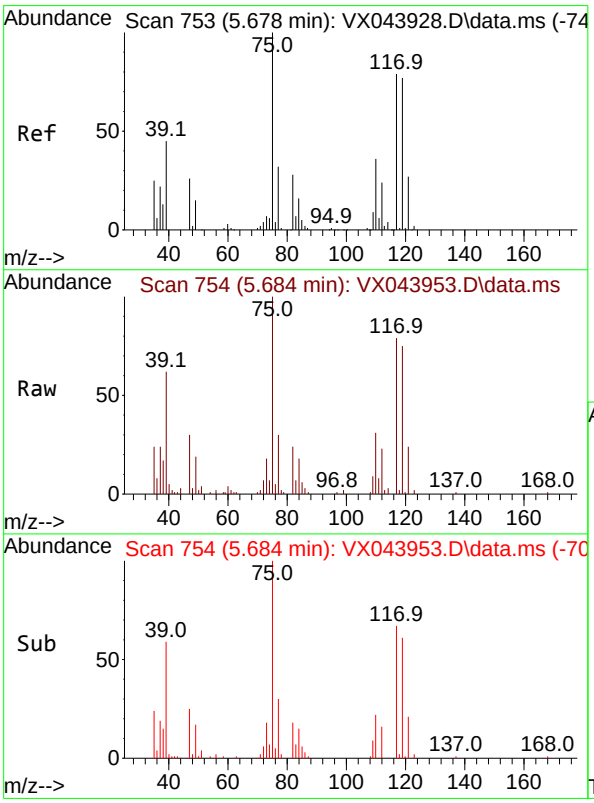

#35
Dibromofluoromethane
Concen: 50.452 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:113 Resp: 82706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.6 | 81.0 | 121.4 |
| 192 | 17.0 | 13.0 | 19.6 |

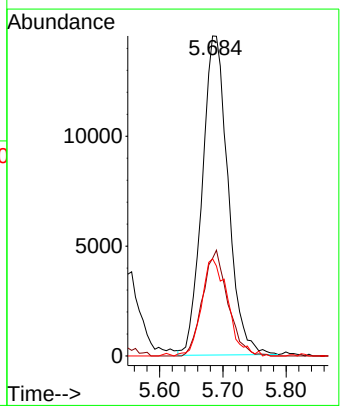


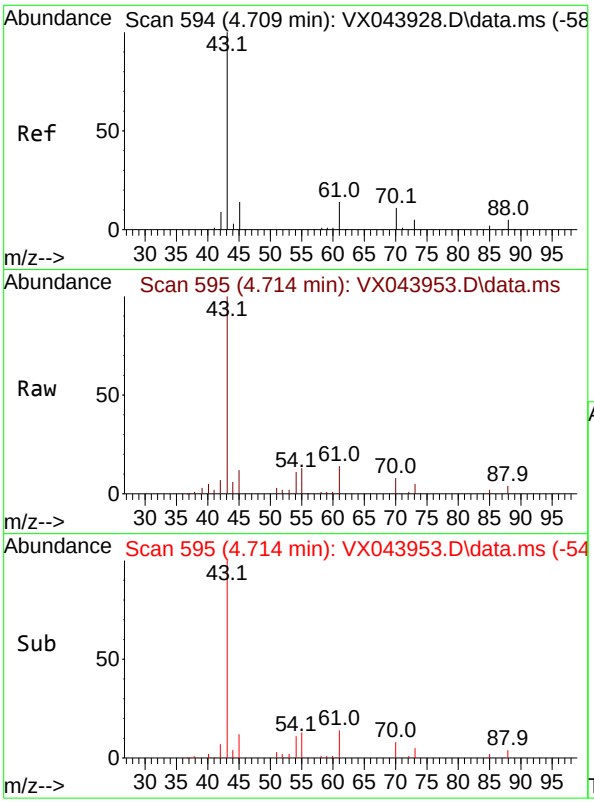




#36
1,1-Dichloropropene
Concen: 20.185 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 32.4 | 17.4 | 52.2 |
| 77 | 31.0 | 25.8 | 38.8 |



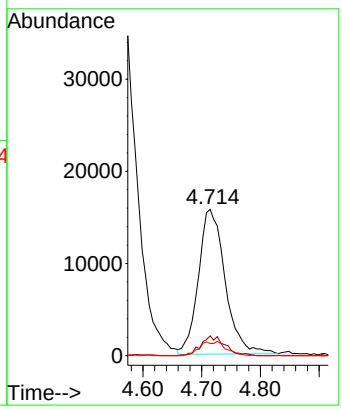


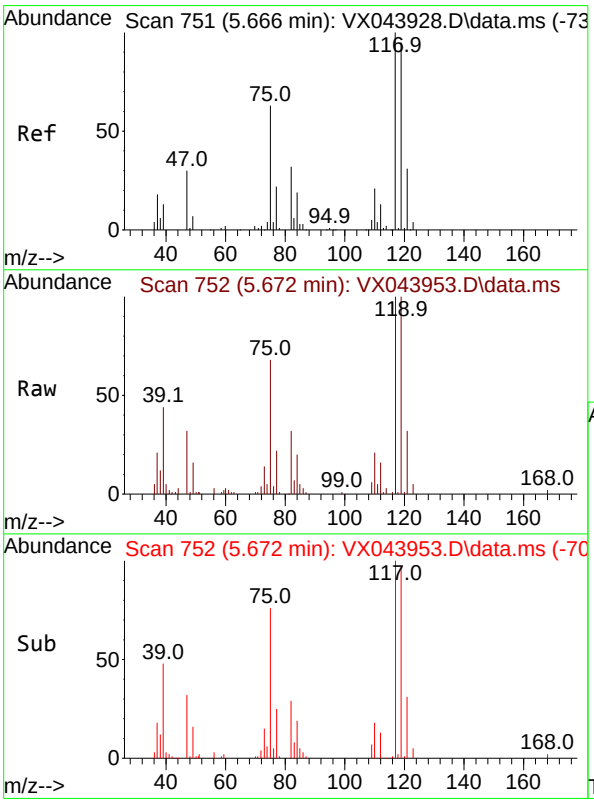

#37
Ethyl Acetate
Concen: 19.620 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 49752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.4 | 10.7 | 16.1 |
| 70 | 4.4 | 8.0 | 12.0# |

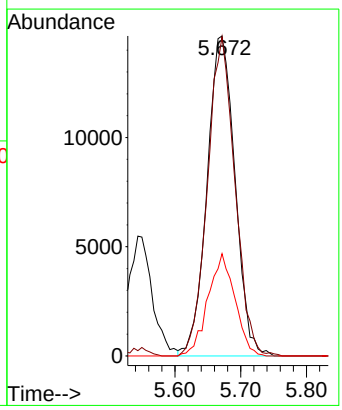


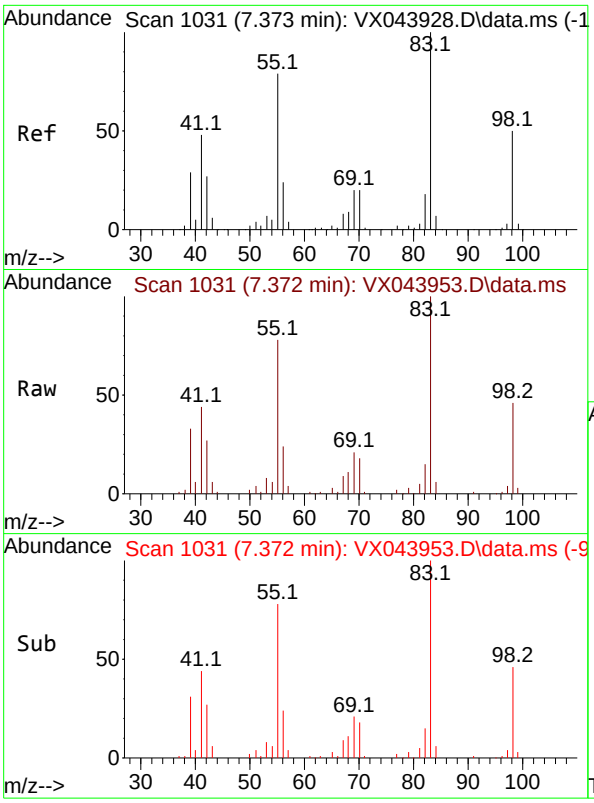




#38
Carbon Tetrachloride
Concen: 18.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 43324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 99.7 | 75.2 | 112.8 |
| 121 | 32.0 | 24.5 | 36.7 |



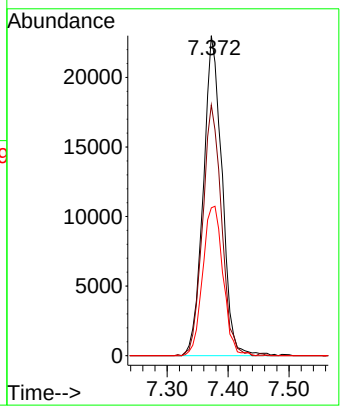


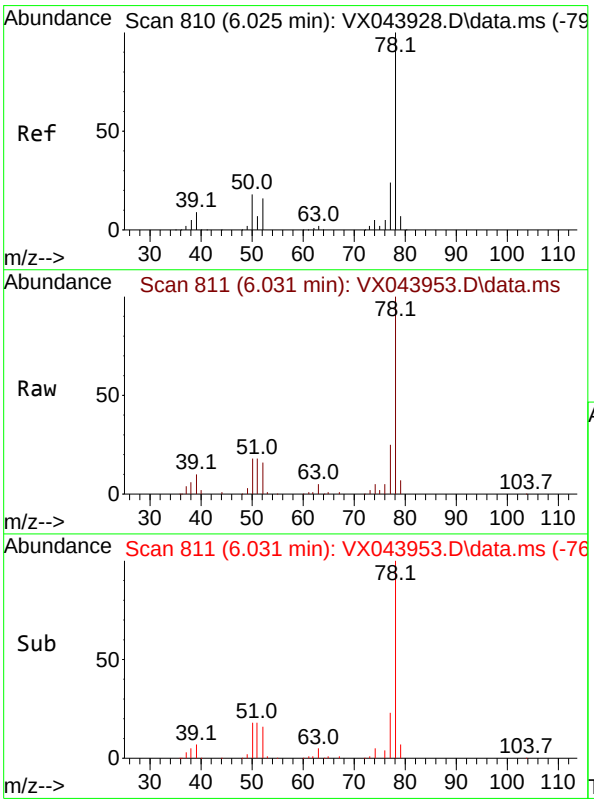

#39
Methylcyclohexane
Concen: 18.550 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 83 Resp: 49229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 78.4 | 63.1 | 94.7 |
| 98 | 46.2 | 40.0 | 60.0 |

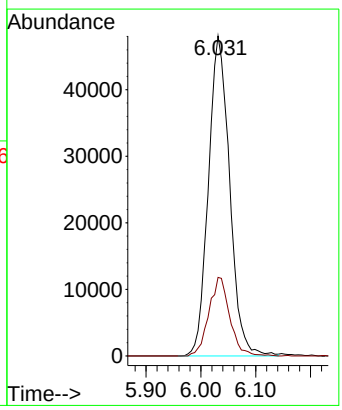


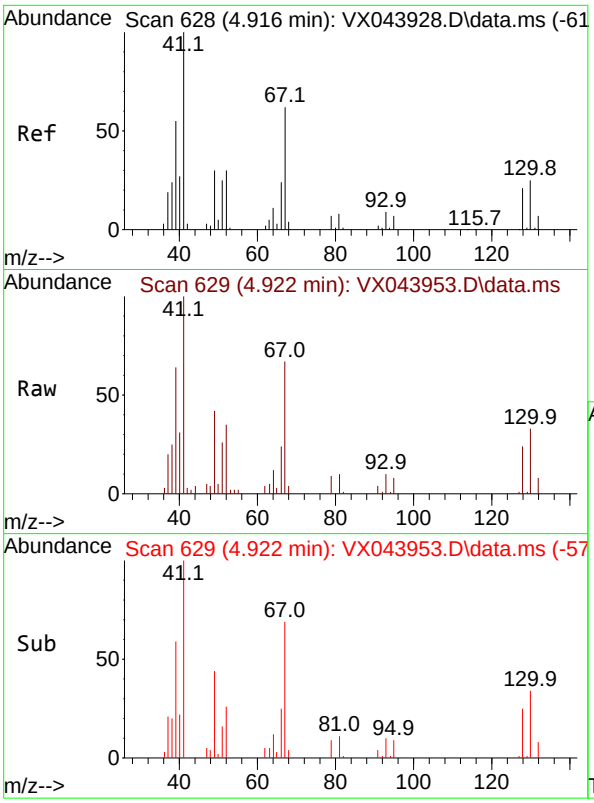




#40
Benzene
Concen: 20.319 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.6 | 19.2 | 28.8 |



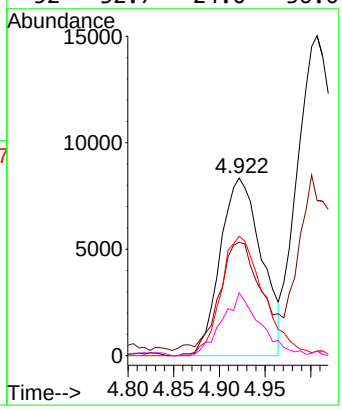


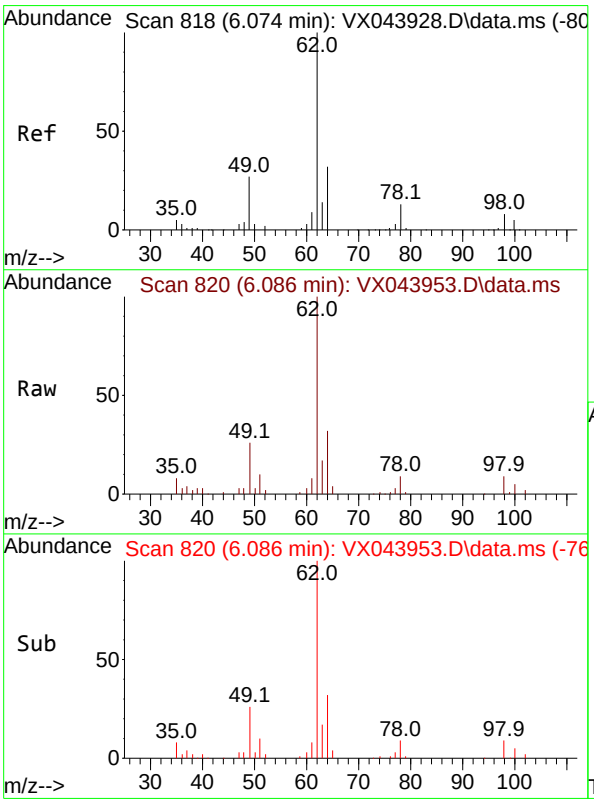

#41
Methacrylonitrile
Concen: 20.295 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 41 Resp: 26340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.4 | 41.7 | 62.5# |
| 67 | 69.9 | 55.8 | 83.8 |
| 52 | 32.7 | 24.0 | 36.0 |

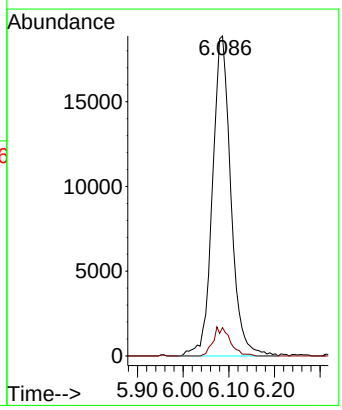


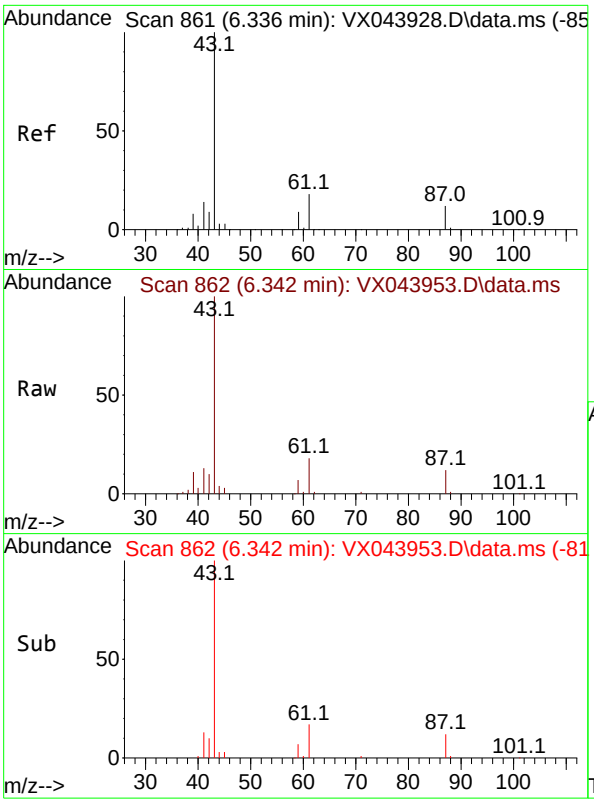




#42
1,2-Dichloroethane
Concen: 20.702 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.012 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 62 Resp: 52905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.4 | 0.0 | 16.4 |



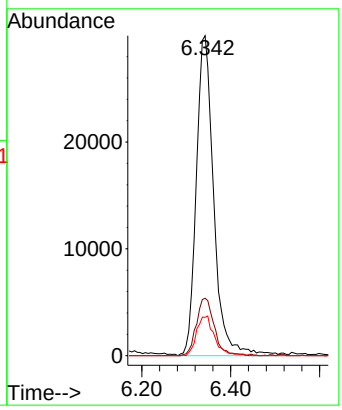


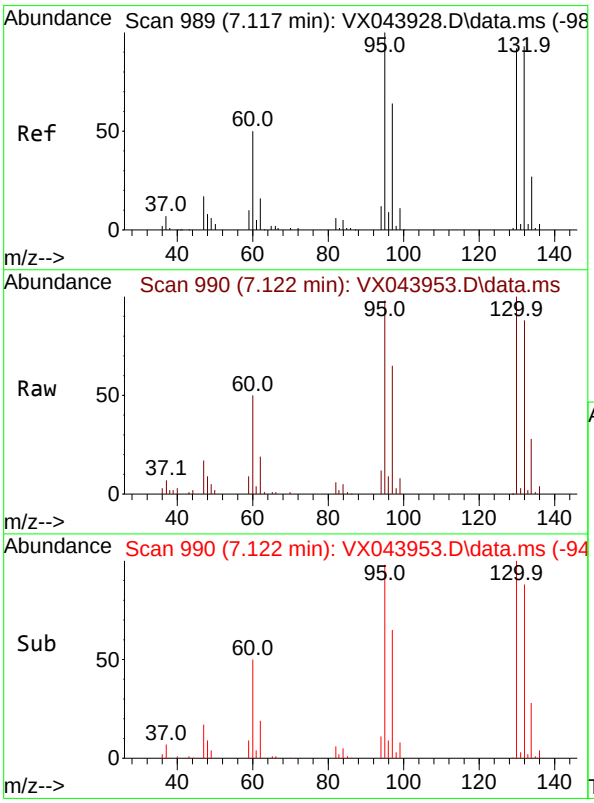

#43
Isopropyl Acetate
Concen: 20.264 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 81776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.4 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

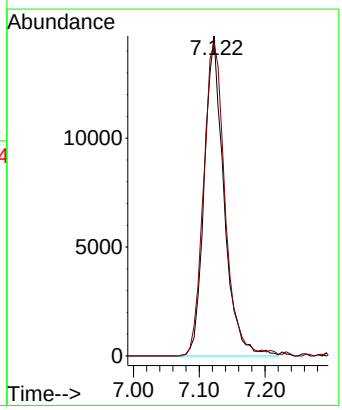


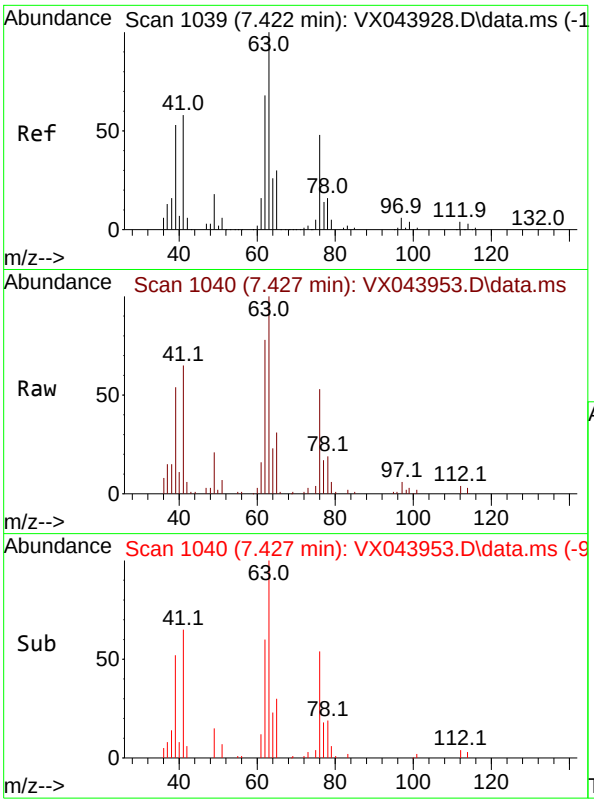




#44
Trichloroethene
Concen: 16.978 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:130 Resp: 30582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 97.8 | 0.0 | 217.8 |



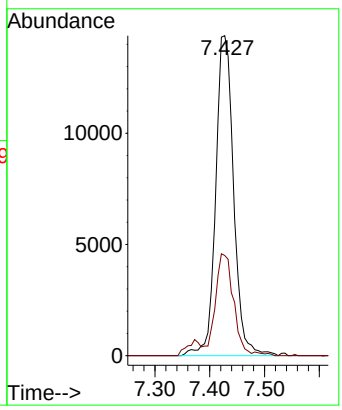


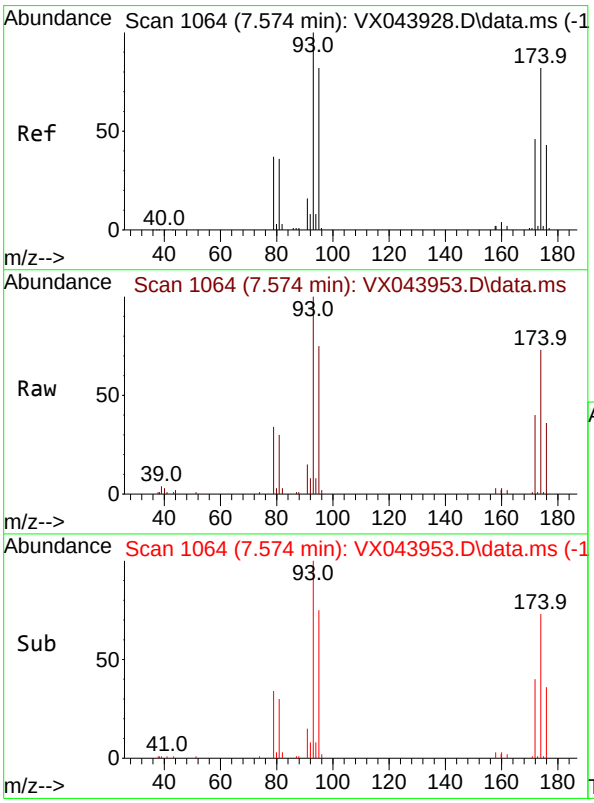

#45
1,2-Dichloropropane
Concen: 21.032 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 63 Resp: 32777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.3 | 23.8 | 35.6 |

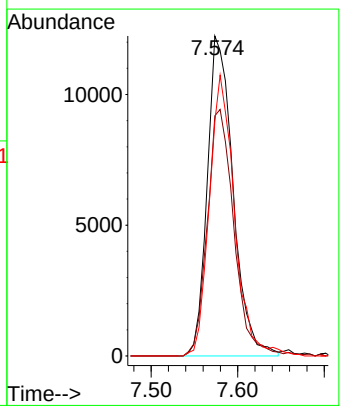


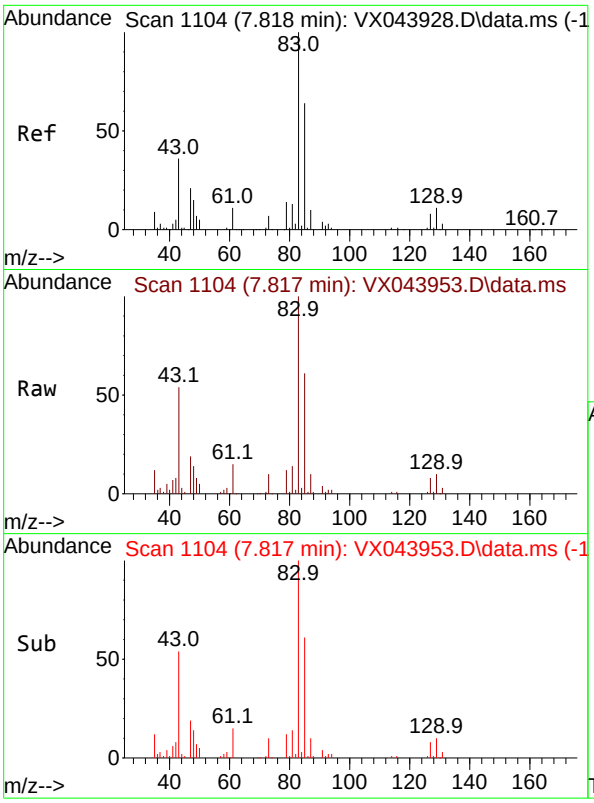




#46
Dibromomethane
Concen: 20.535 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 93 Resp: 25316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 79.9 | 66.2 | 99.4 |
| 174 | 85.6 | 69.6 | 104.4 |



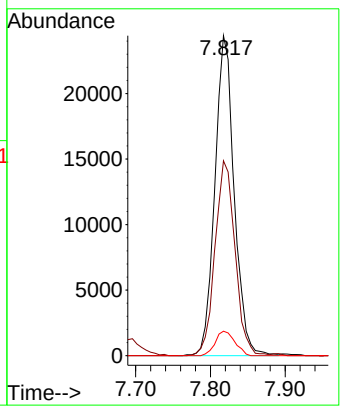


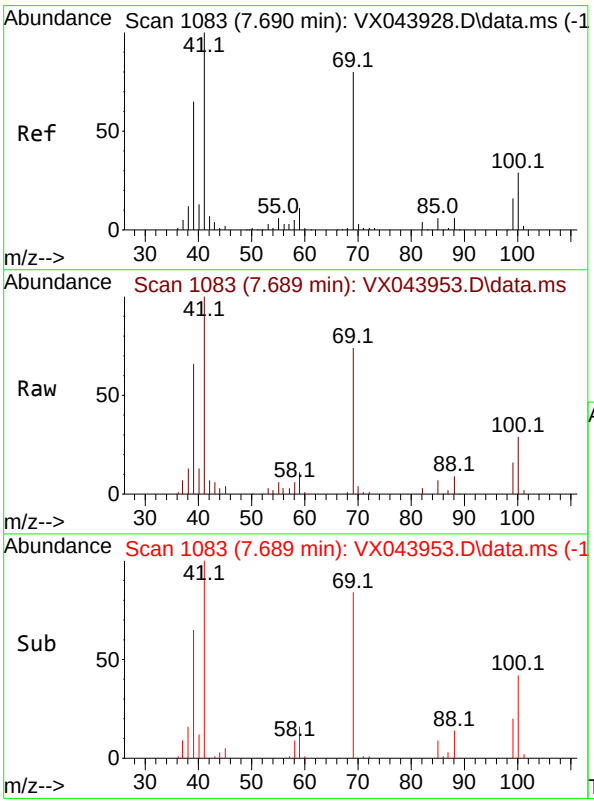

#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 83 Resp: 43925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.9 | 51.4 | 77.0 |
| 127 | 7.6 | 6.6 | 10.0 |

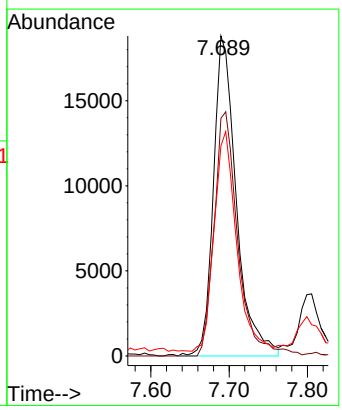


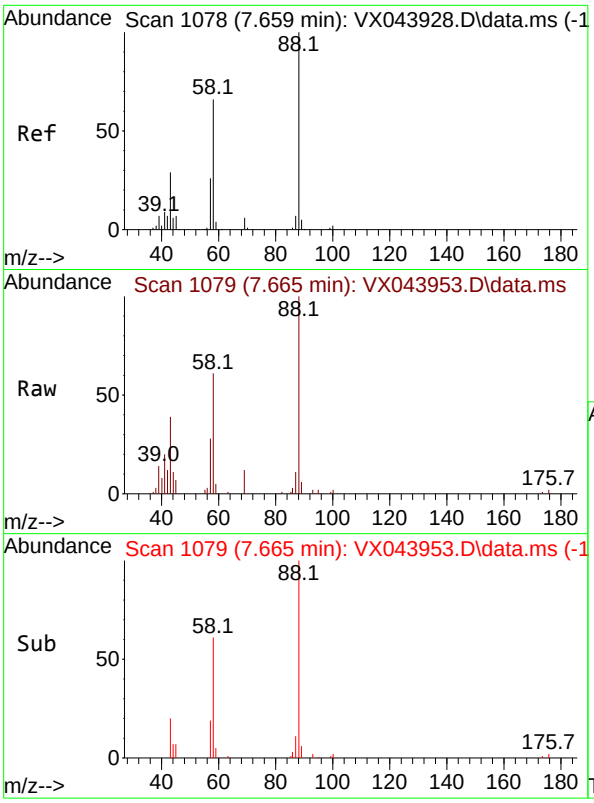




#48
Methyl methacrylate
Concen: 19.741 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.1 | 64.6 | 97.0 |
| 39 | 66.8 | 53.3 | 79.9 |



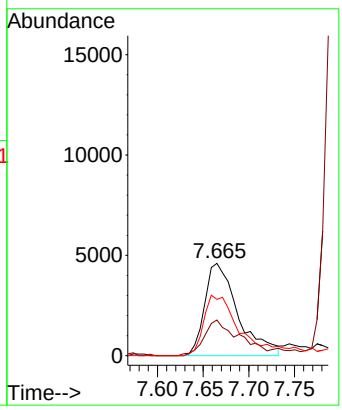


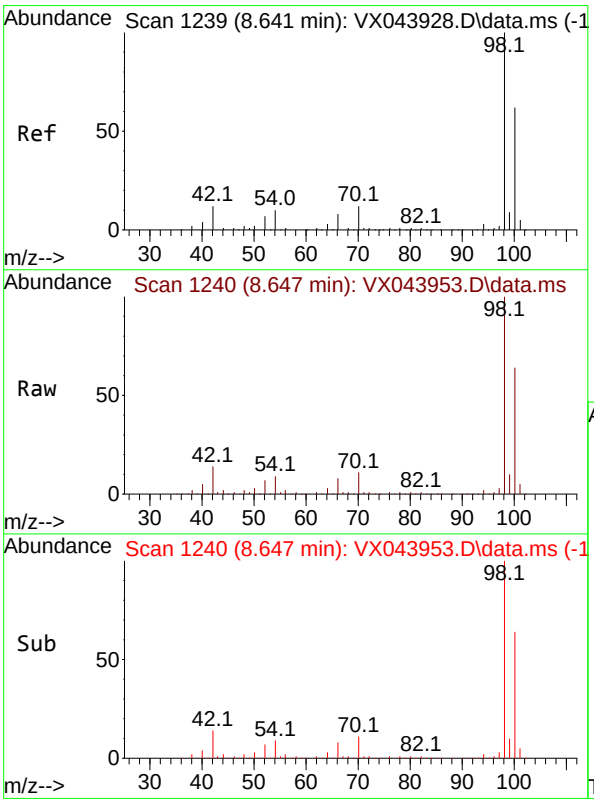

#49
1,4-Dioxane
Concen: 338.011 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 88 Resp: 11659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 41.6 | 26.8 | 40.2# |
| 58 | 74.4 | 45.4 | 68.2# |

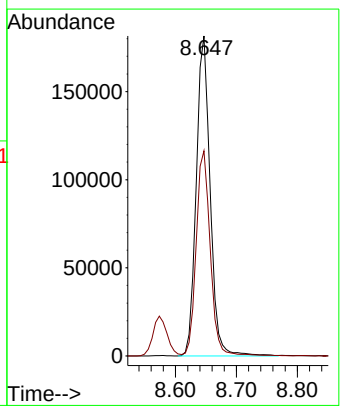


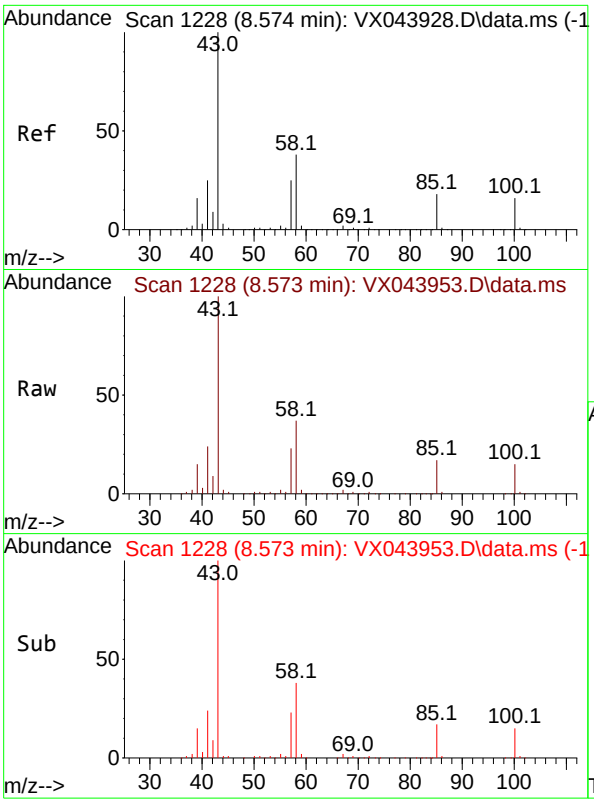




#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.7 | 52.6 | 79.0 |



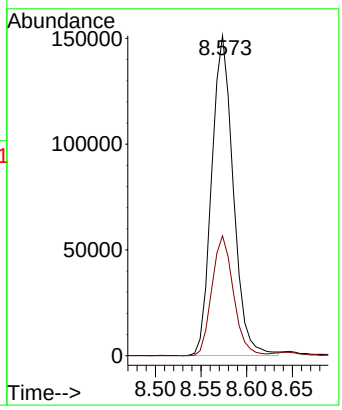


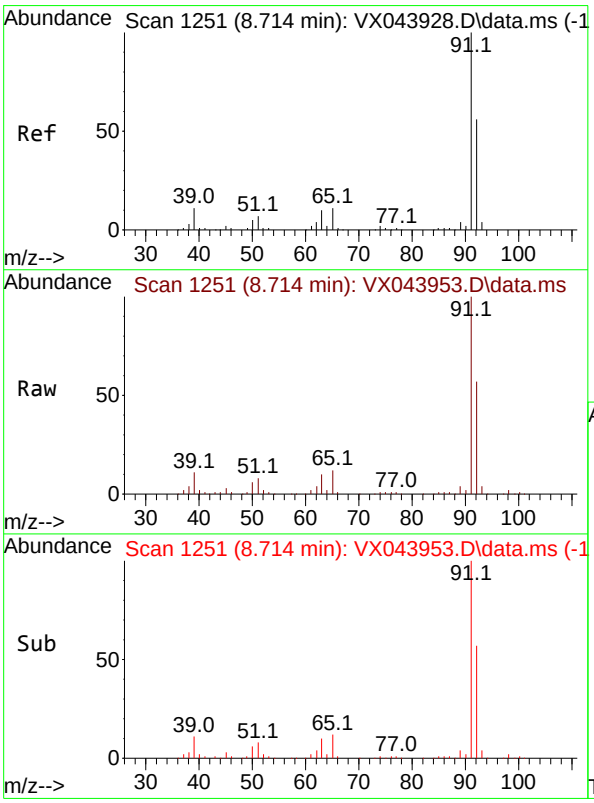

#51
4-Methyl-2-Pentanone
Concen: 100.883 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 248440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.4 | 30.0 | 45.0 |

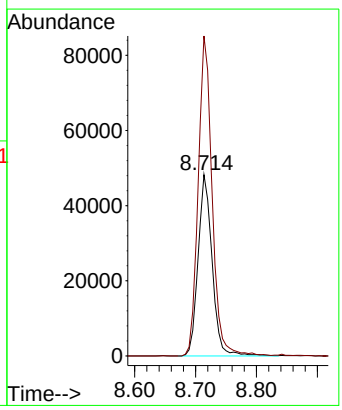


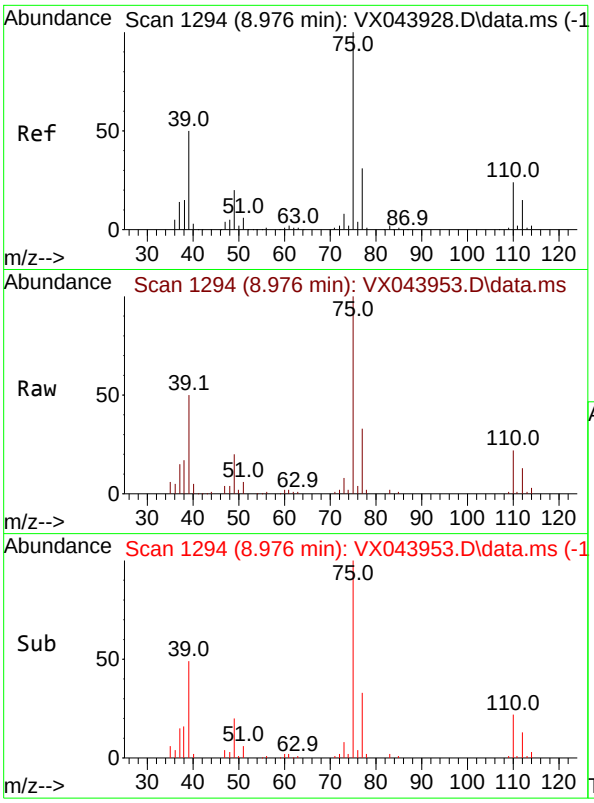




#52
Toluene
Concen: 20.351 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.1 | 139.7 | 209.5 |



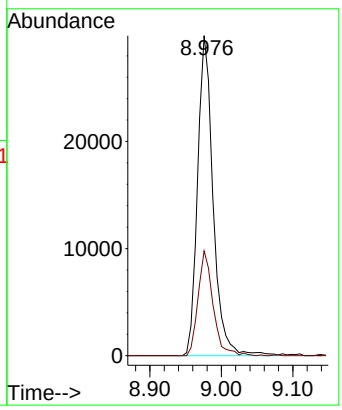


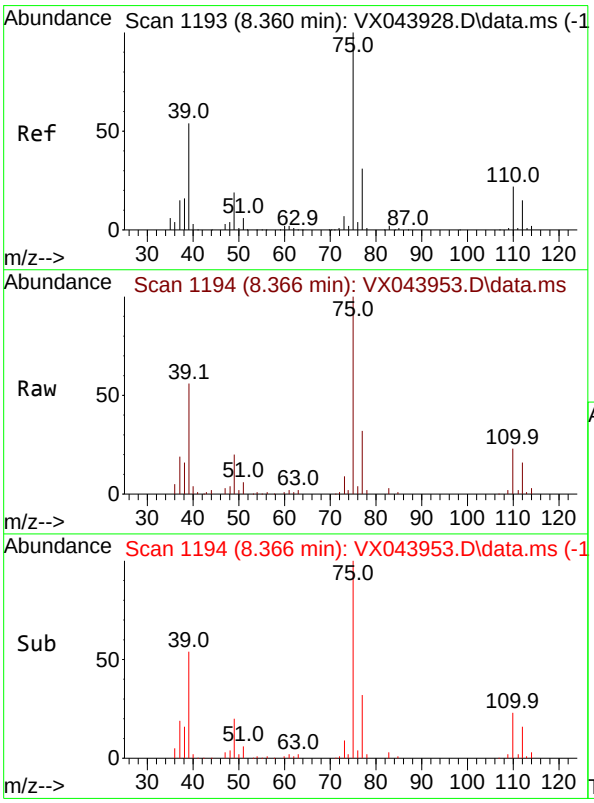

#53
t-1,3-Dichloropropene
Concen: 19.965 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 75 Resp: 45015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.7 | 25.1 | 37.7 |

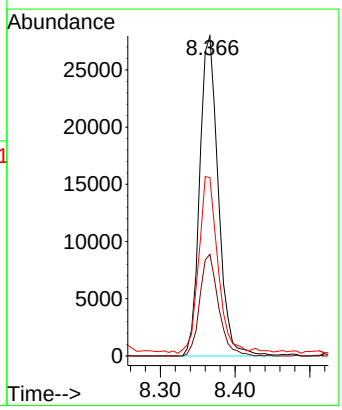


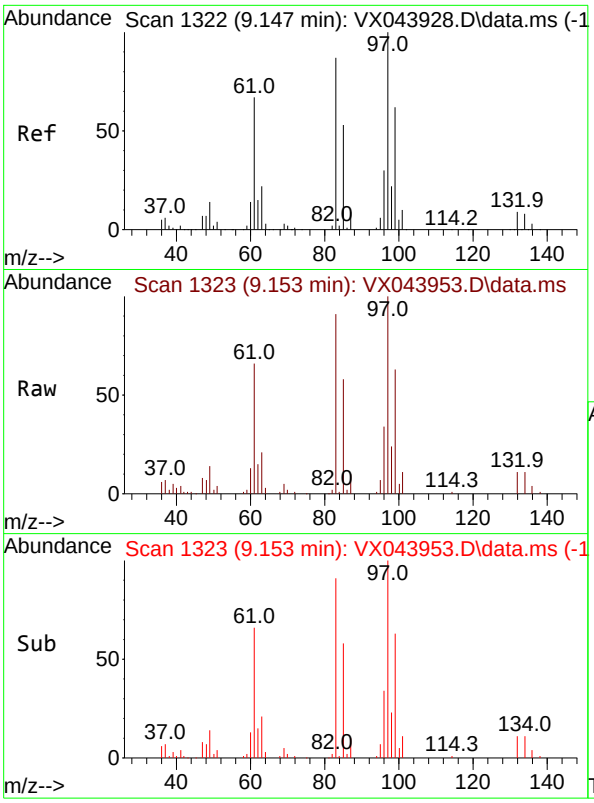




#54
cis-1,3-Dichloropropene
Concen: 19.572 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.2 | 37.8 |
| 39 | 54.9 | 43.1 | 64.7 |



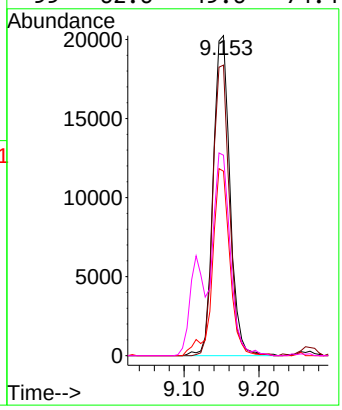


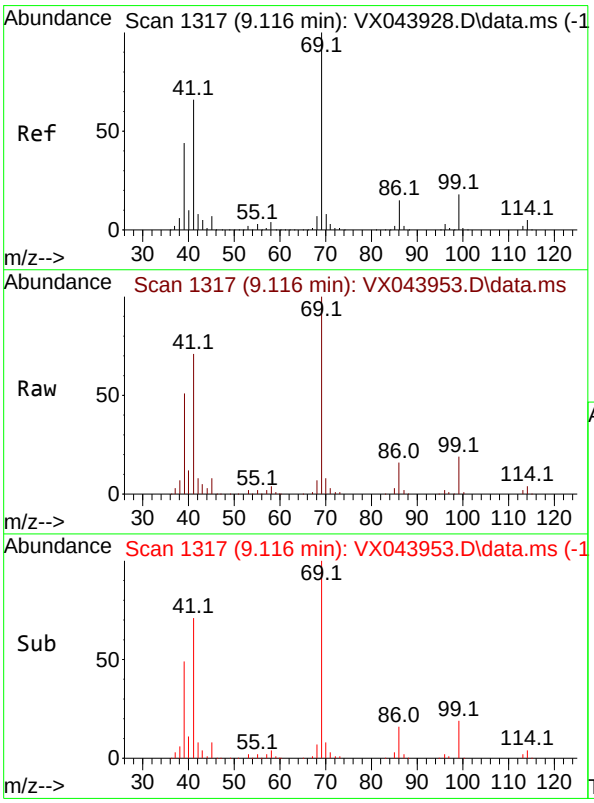

#55
1,1,2-Trichloroethane
Concen: 20.126 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 97 Resp: 31640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.8 | 69.4 | 104.0 |
| 85 | 57.7 | 42.3 | 63.5 |
| 99 | 62.6 | 49.6 | 74.4 |

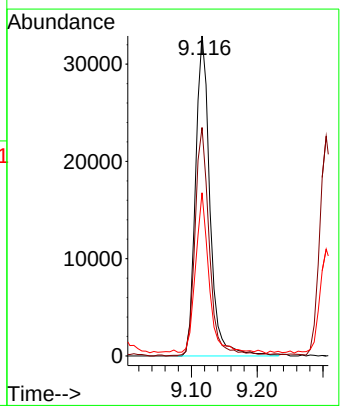


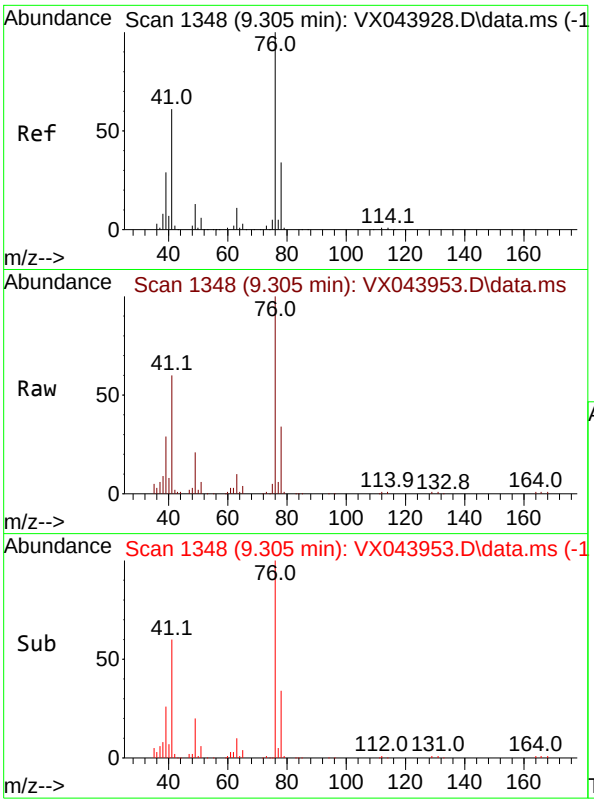




#56
Ethyl methacrylate
Concen: 20.380 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 69 Resp: 49905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.1 | 55.8 | 83.8 |
| 39 | 47.7 | 36.7 | 55.1 |



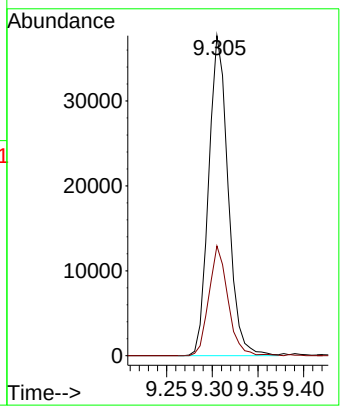


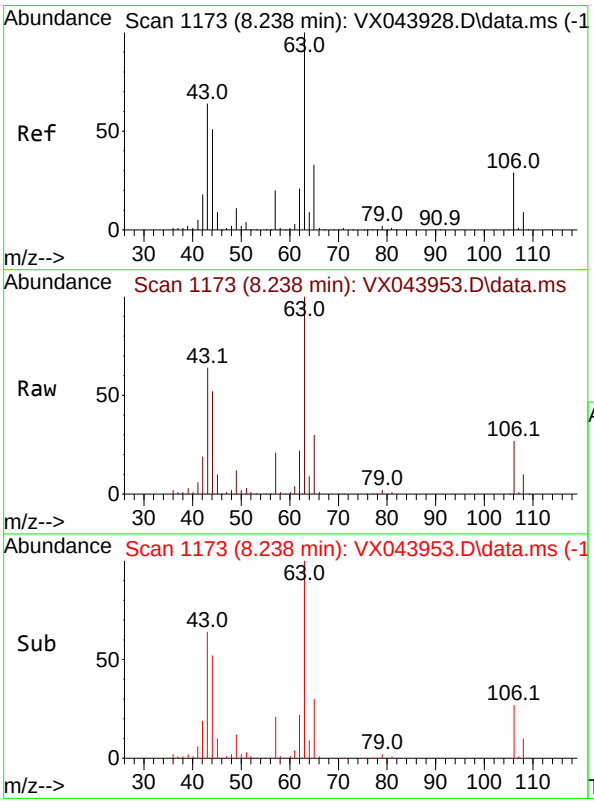

#57
1,3-Dichloropropane
Concen: 20.993 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 76 Resp: 55597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.7 | 26.0 | 39.0 |

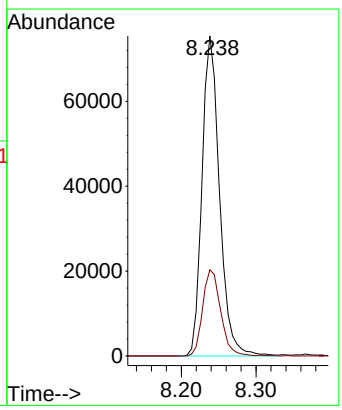


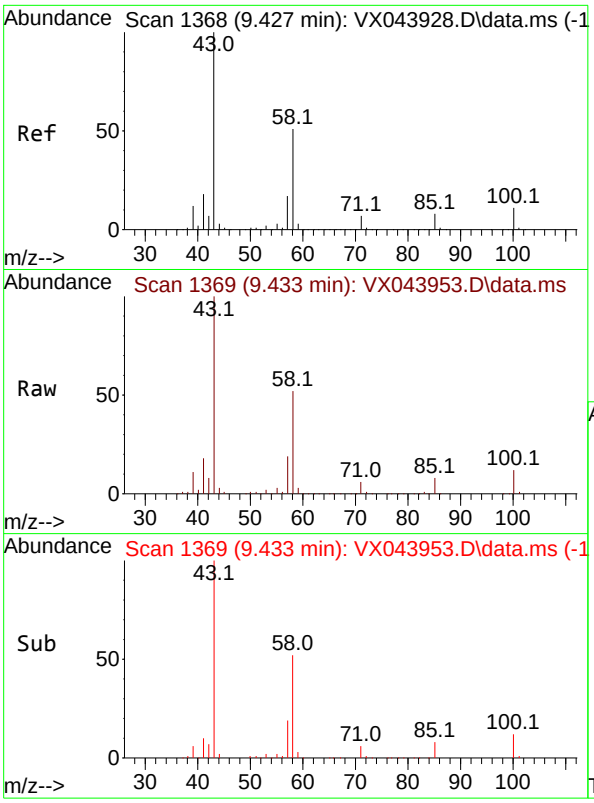




#58
2-Chloroethyl Vinyl ether
Concen: 90.630 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 23.0 | 34.6 |



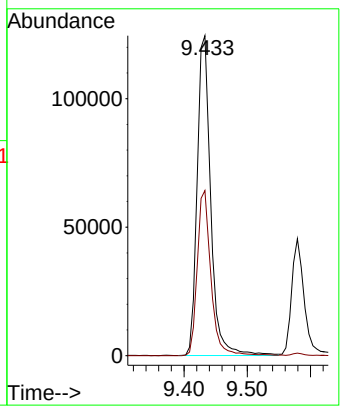


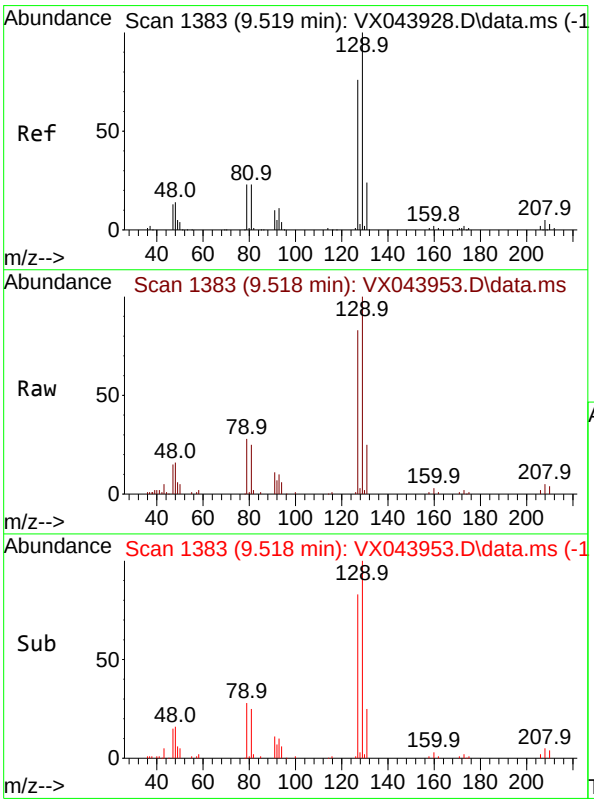

#59
2-Hexanone
Concen: 100.633 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 43 Resp: 186272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 25.9 | 77.6 |

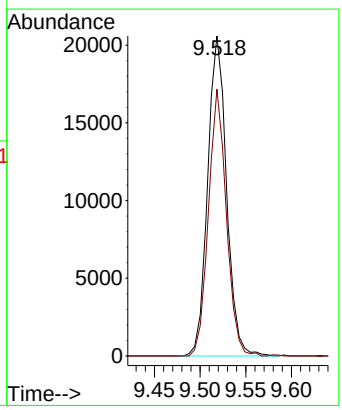


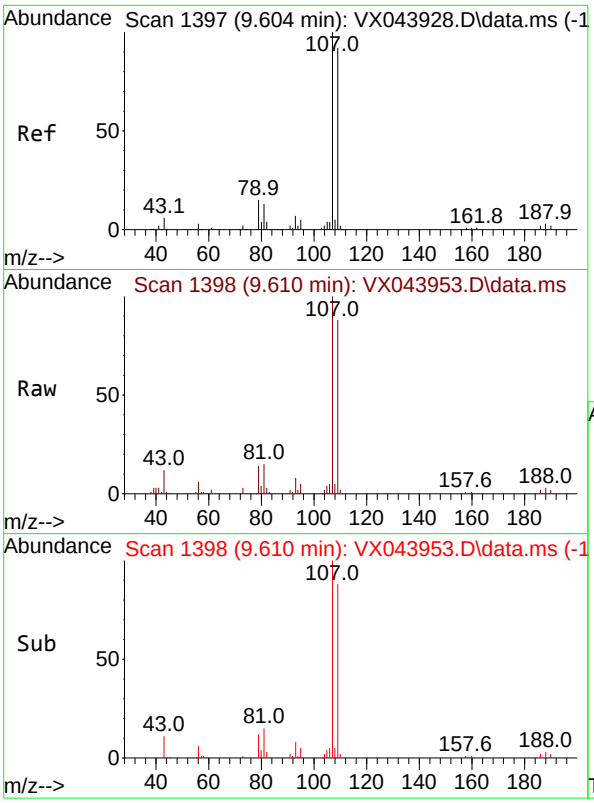




#60
Dibromochloromethane
Concen: 18.733 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:129 Resp: 29549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.9 | 38.2 | 114.6 |



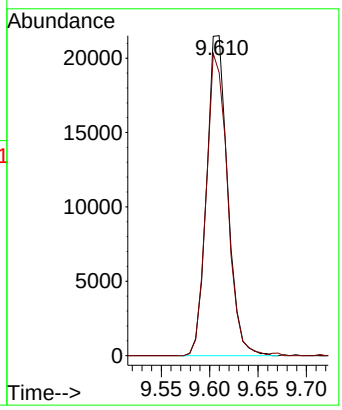


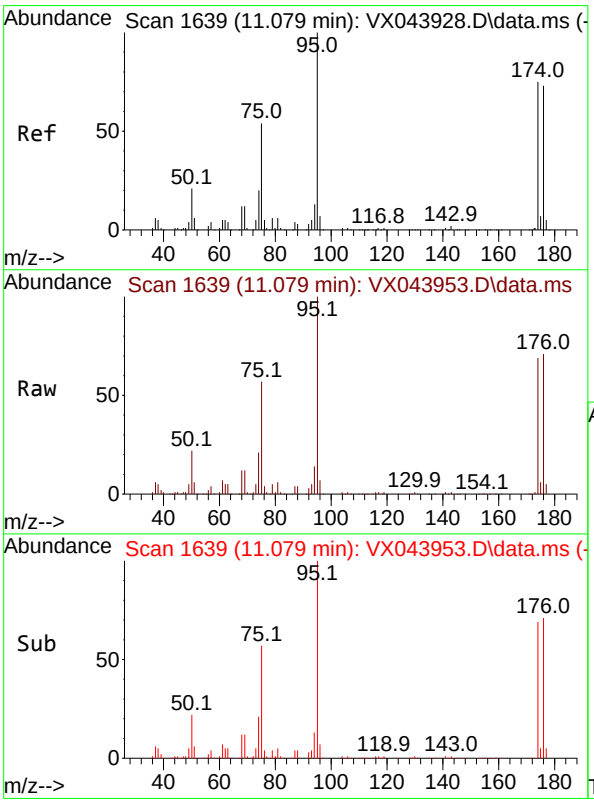

#61
1,2-Dibromoethane
Concen: 20.465 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:107 Resp: 32532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.7 | 75.2 | 112.8 |

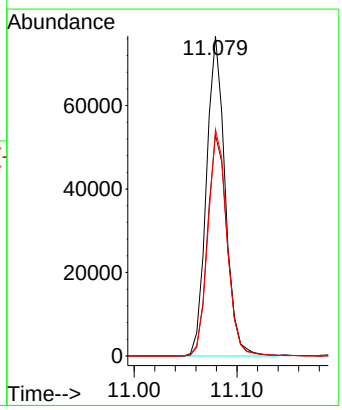


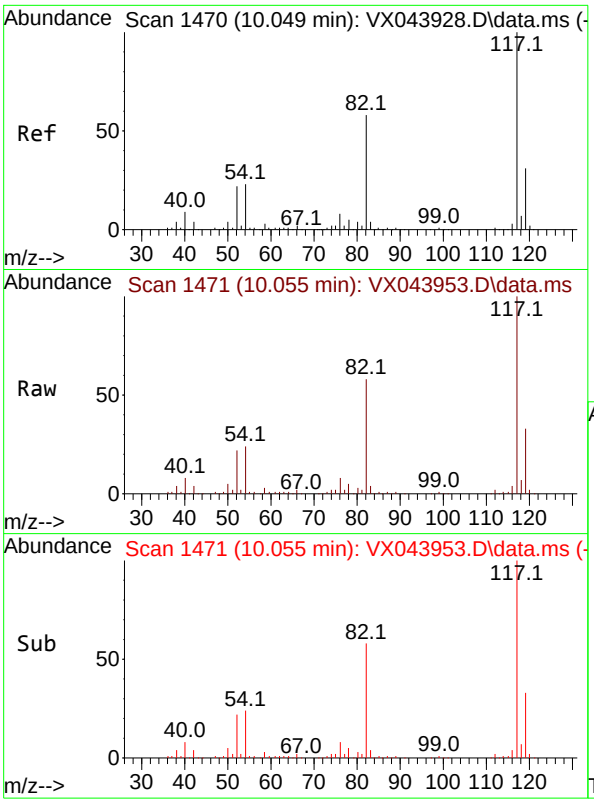




#62
4-Bromofluorobenzene
Concen: 50.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.1 | 0.0 | 150.4 |
| 176 | 72.2 | 0.0 | 146.0 |



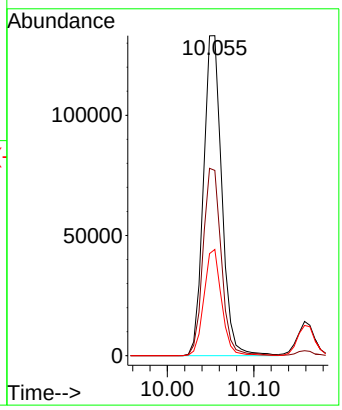


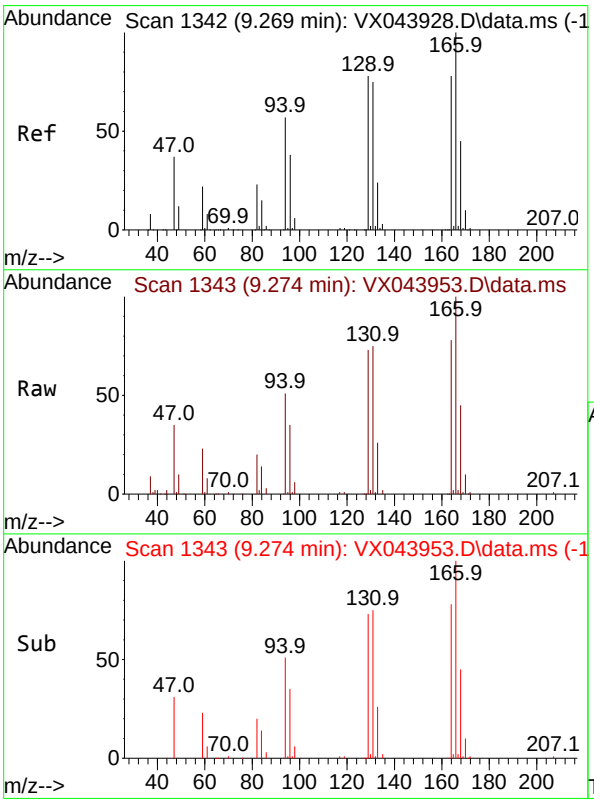

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:117 Resp: 195535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.9 | 46.4 | 69.6 |
| 119 | 33.2 | 24.6 | 37.0 |

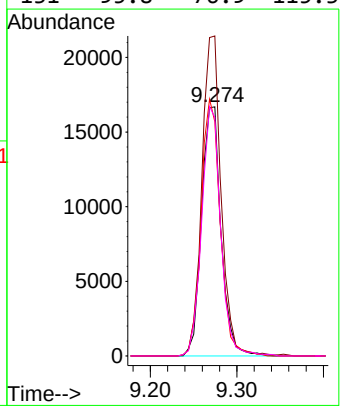


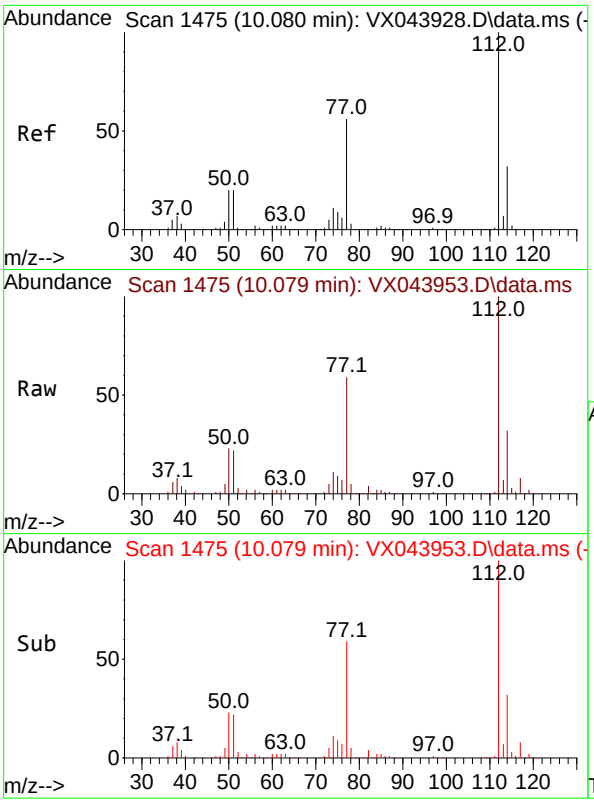




#64
Tetrachloroethene
Concen: 20.270 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 128.5 | 102.1 | 153.1 |
| 129 | 94.0 | 79.6 | 119.4 |
| 131 | 95.8 | 76.9 | 115.3 |



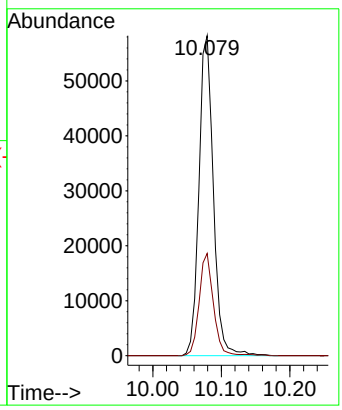


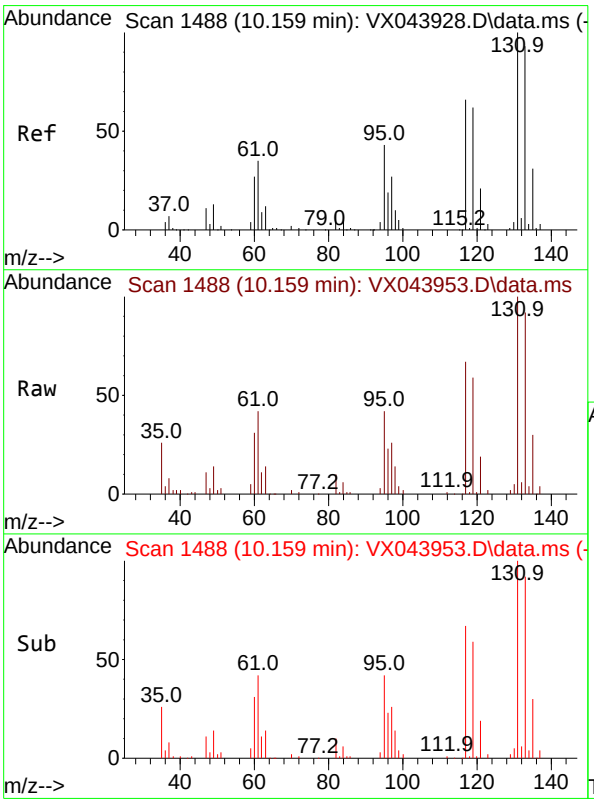

#65
Chlorobenzene
Concen: 19.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:112 Resp: 85495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.4 | 38.0 |

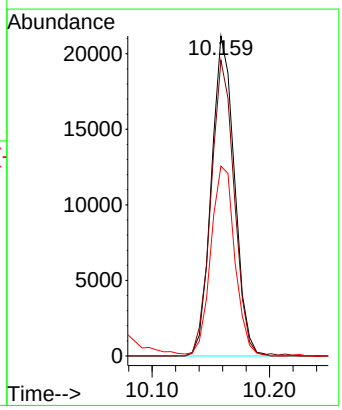


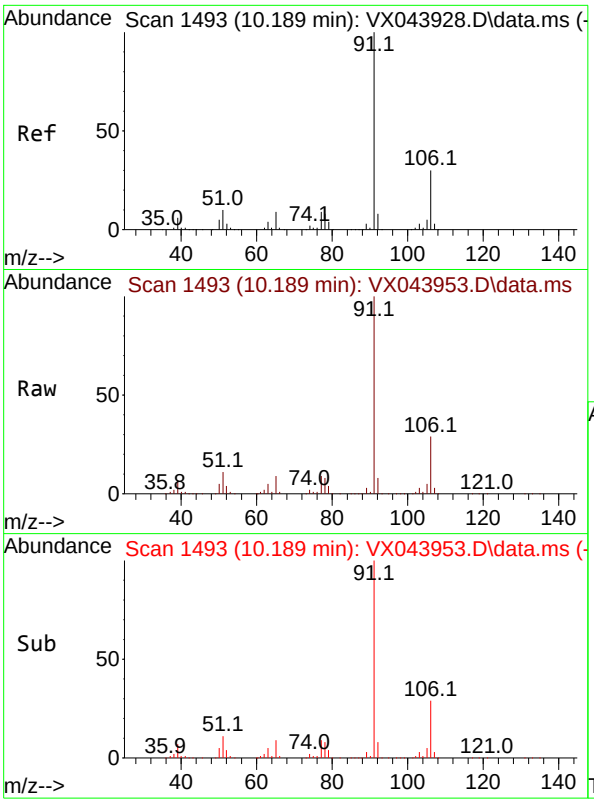




#66
1,1,1,2-Tetrachloroethane
Concen: 20.737 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:131 Resp: 28882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.3 | 48.2 | 144.6 |
| 119 | 61.7 | 31.5 | 94.5 |



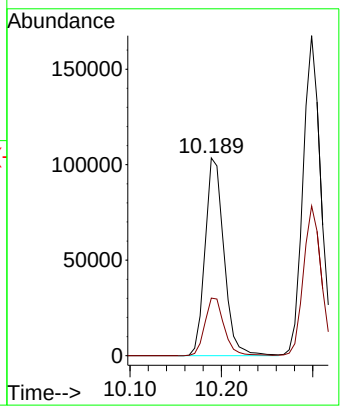


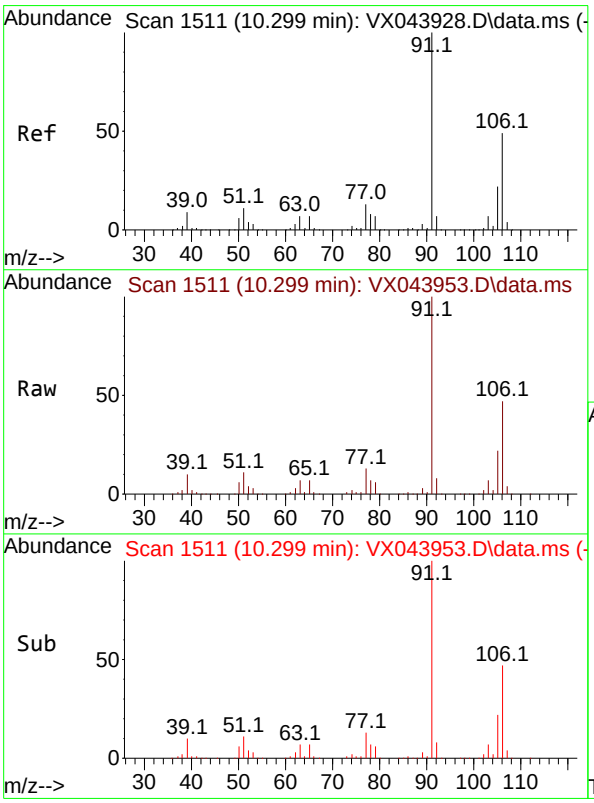

#67
Ethyl Benzene
Concen: 20.404 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 91 Resp: 148481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.1 | 23.6 | 35.4 |

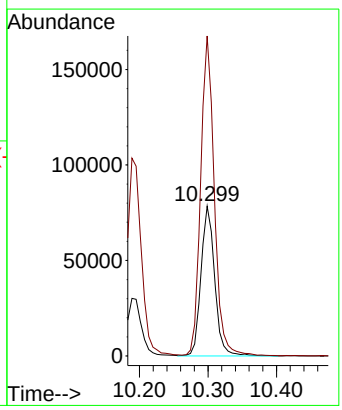


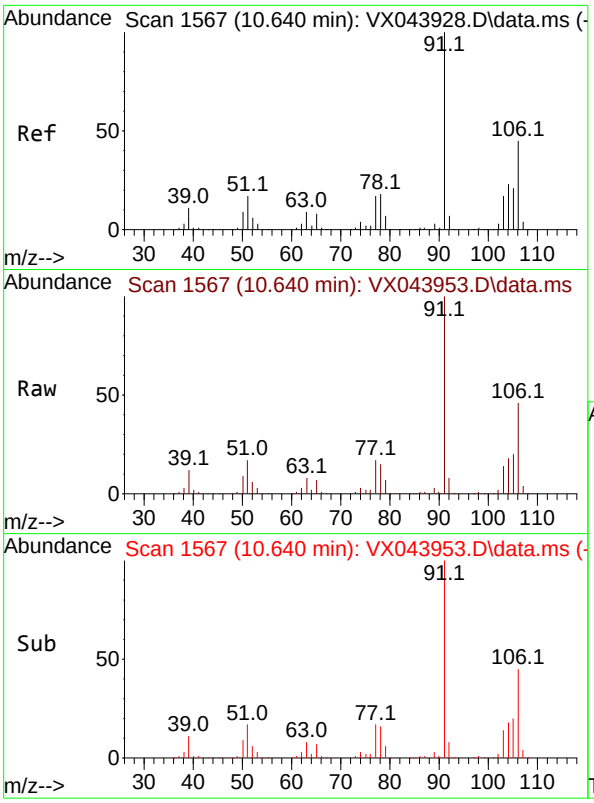




#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:106 Resp: 109390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 212.7 | 168.1 | 252.1 |



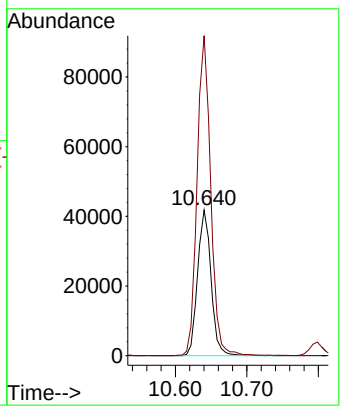


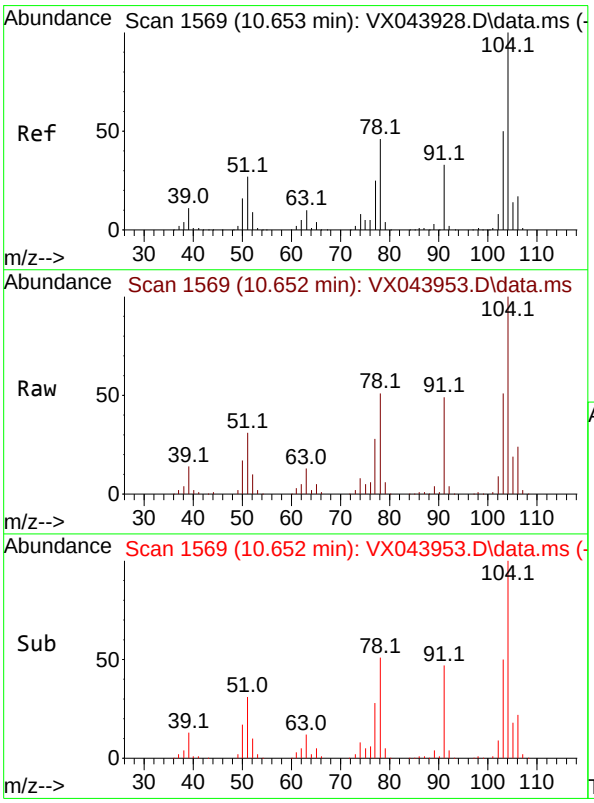

#69
o-Xylene
Concen: 20.665 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:106 Resp: 54754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.6 | 110.2 | 330.6 |

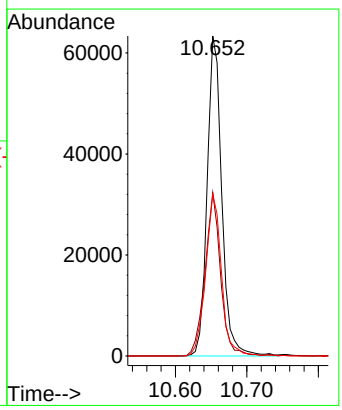


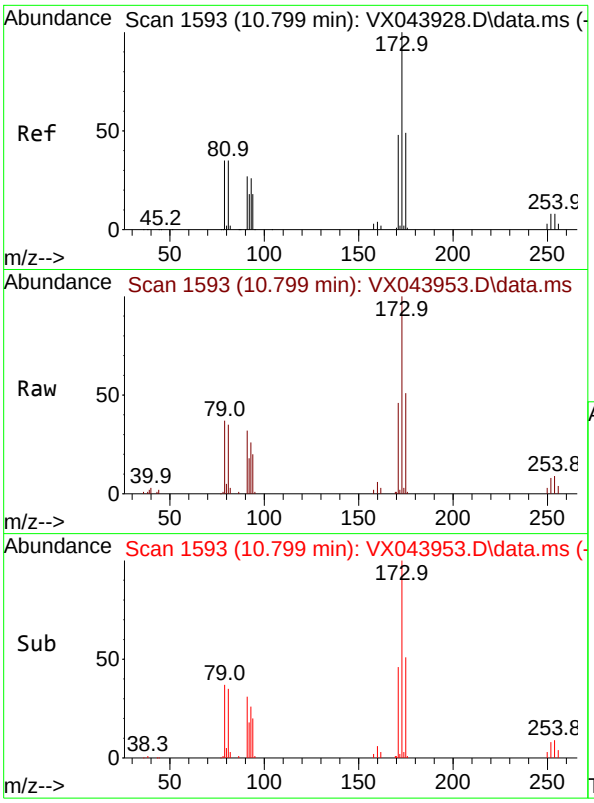




#70
Styrene
Concen: 20.579 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:104 Resp: 90186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.3 | 42.2 | 63.2 |
| 103 | 54.7 | 44.7 | 67.1 |



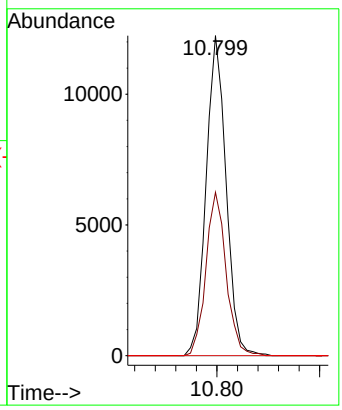


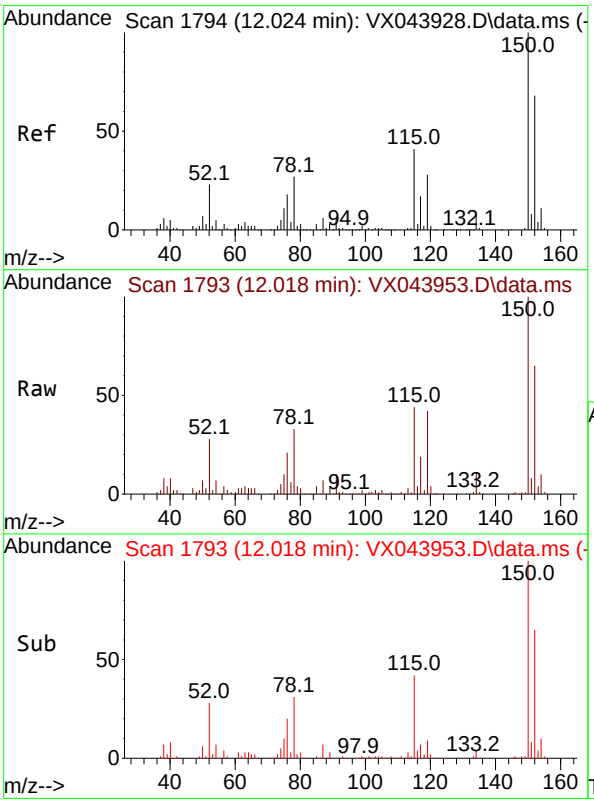

#71
Bromoform
Concen: 16.936 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:173 Resp: 16436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 51.9 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

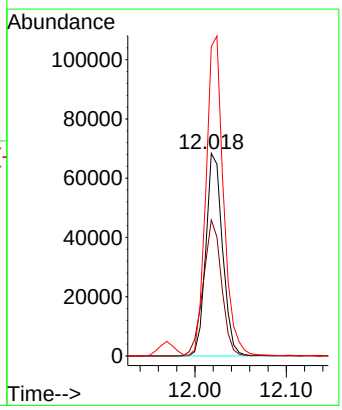


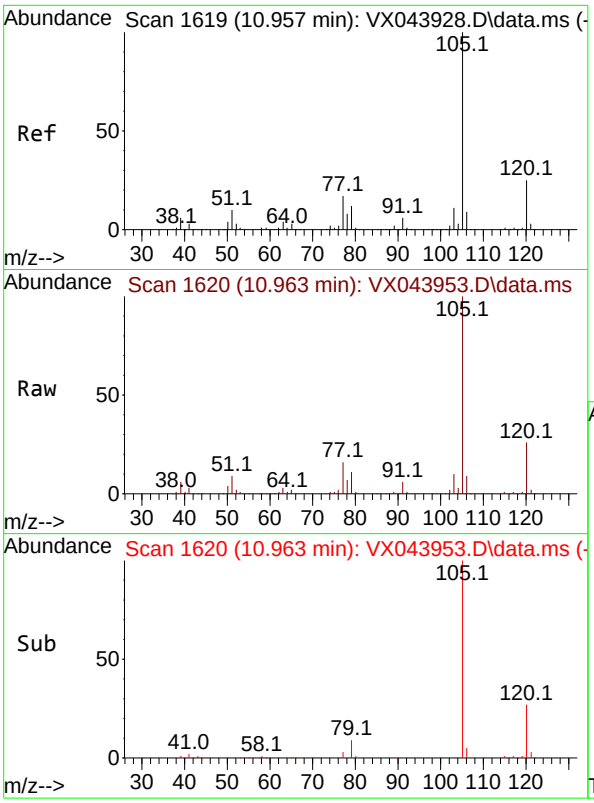




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:152 Resp: 86659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.0 | 45.4 | 136.2 |
| 150 | 164.6 | 0.0 | 353.0 |



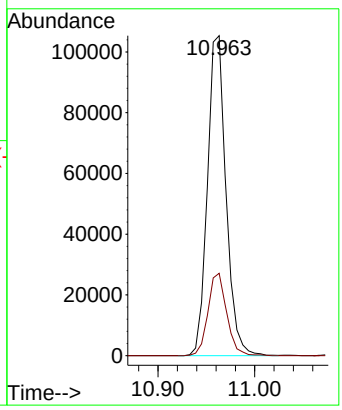


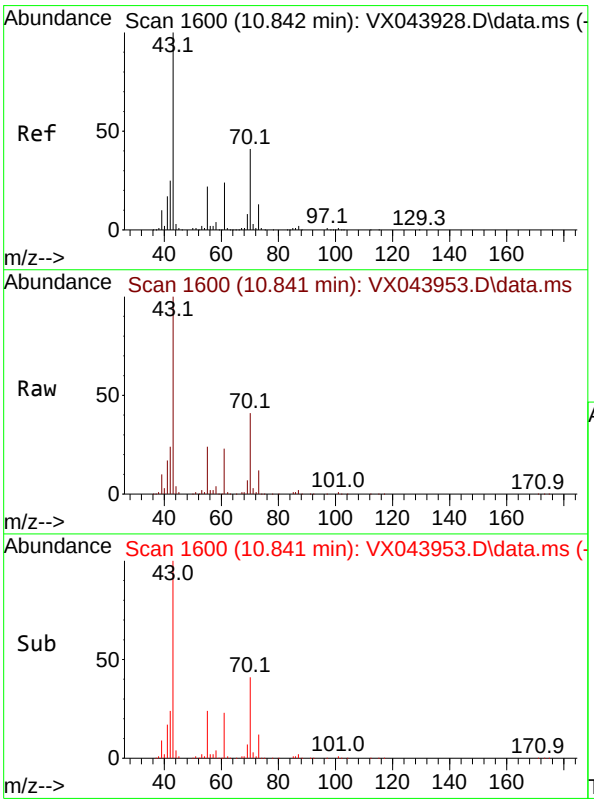

#73
Isopropylbenzene
Concen: 21.084 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:105 Resp: 140447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 13.0 | 38.9 |

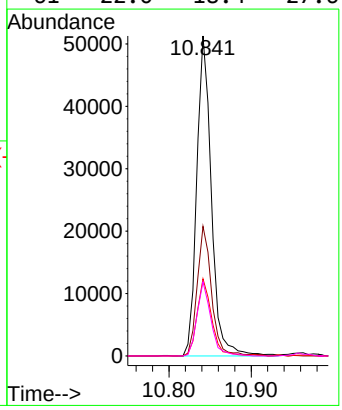


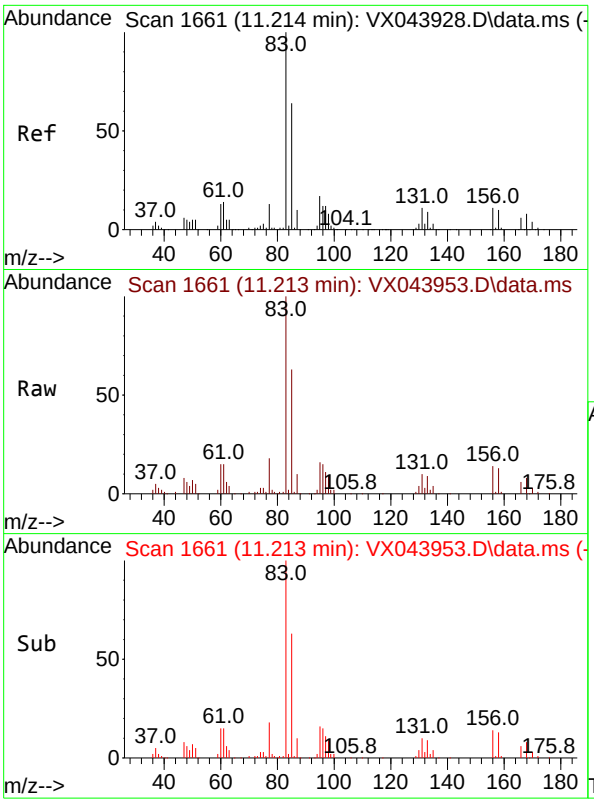




#74
N-amyl acetate
Concen: 20.600 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 32.2 | 48.2 |
| 55 | 23.8 | 18.1 | 27.1 |
| 61 | 22.0 | 18.4 | 27.6 |



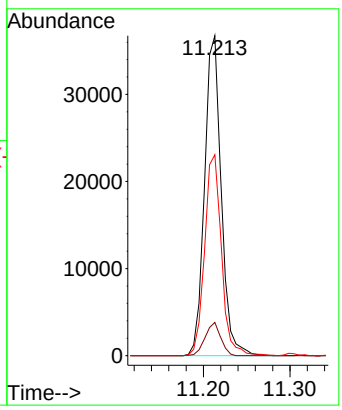


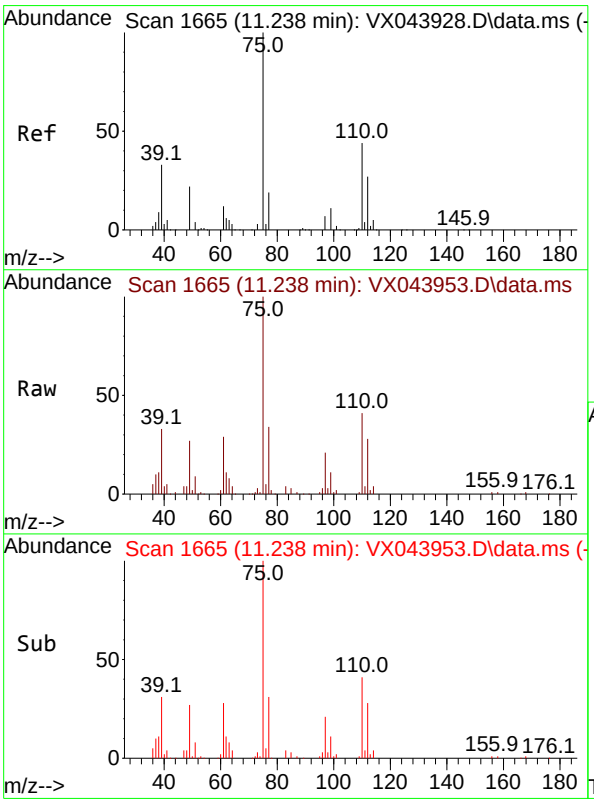

#75
1,1,2,2-Tetrachloroethane
Concen: 21.561 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 83 Resp: 49179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.2 |
| 85 | 63.4 | 32.2 | 96.6 |

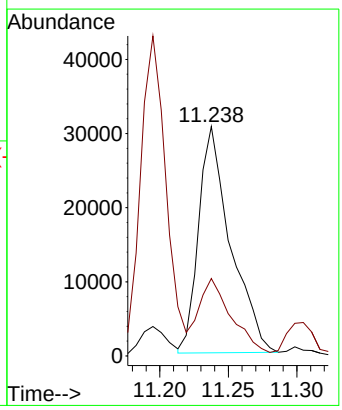


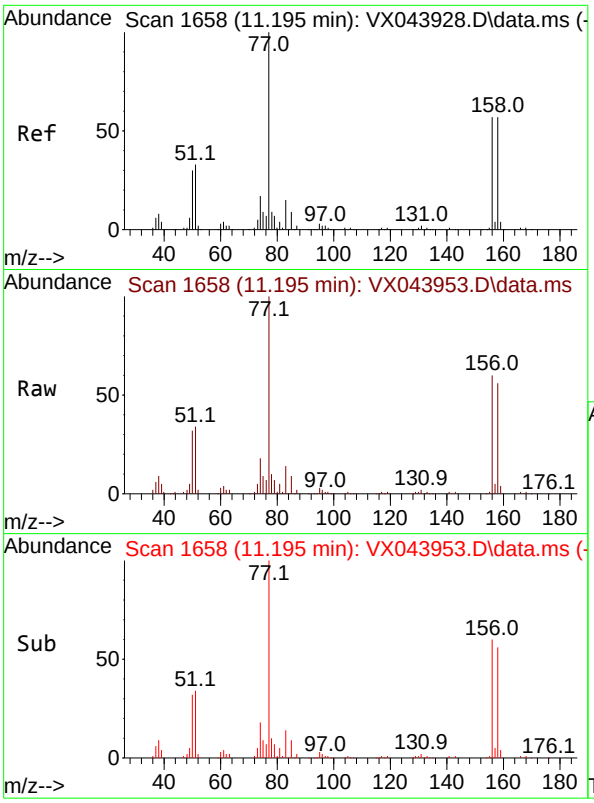




#76
1,2,3-Trichloropropane
Concen: 26.139 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 49676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.7 | 21.8 | 65.3 |



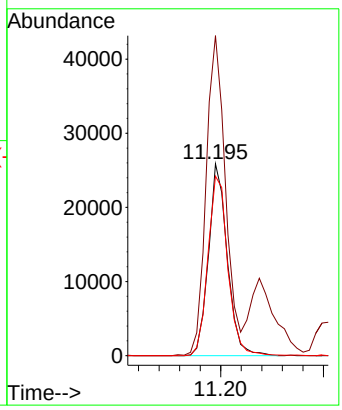


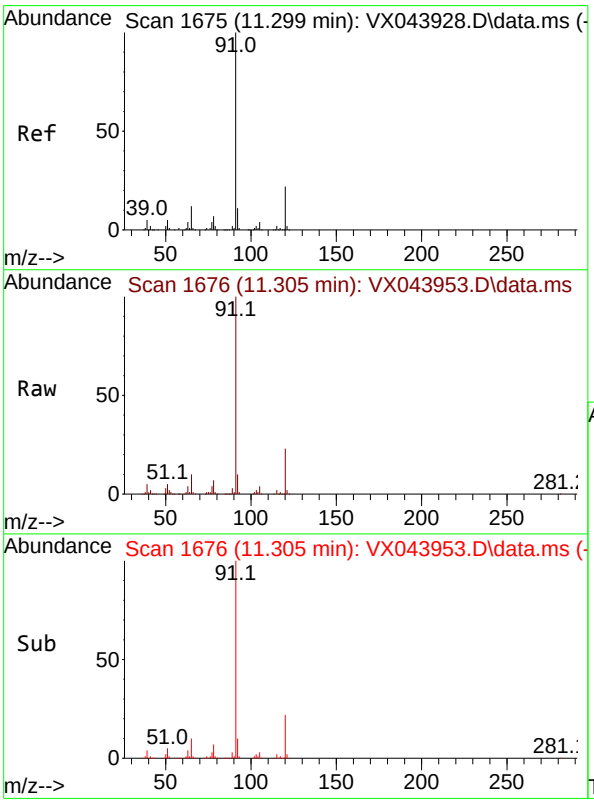

#77
Bromobenzene
Concen: 20.723 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:156 Resp: 32930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.5 | 83.4 | 250.1 |
| 158 | 99.3 | 47.6 | 142.8 |

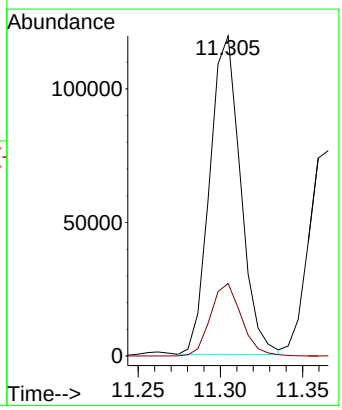


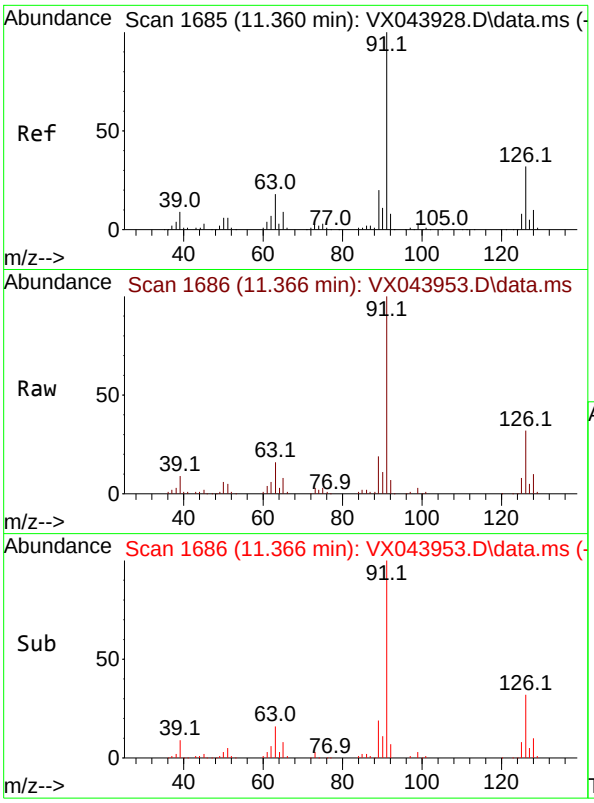




#78
n-propylbenzene
Concen: 20.912 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.8 | 11.5 | 34.4 |



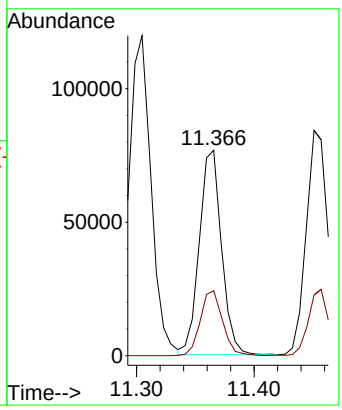


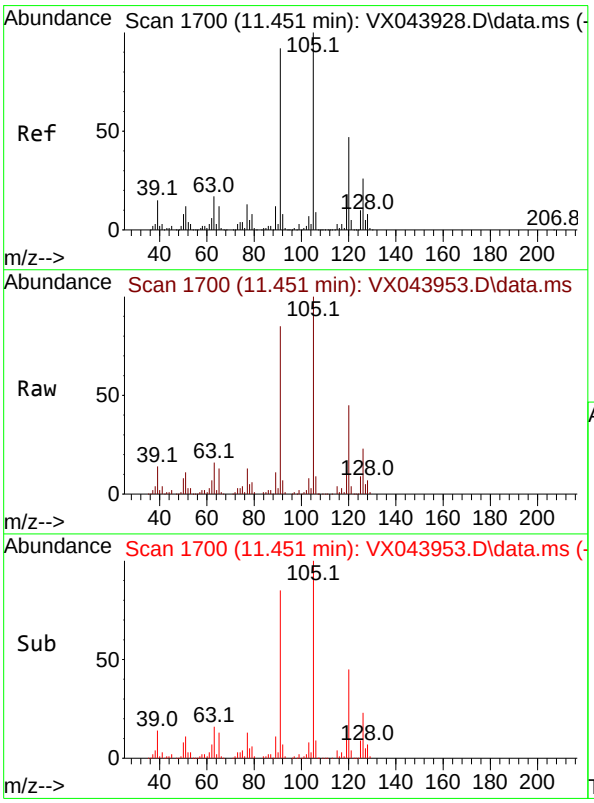

#79
2-Chlorotoluene
Concen: 21.442 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 91 Resp: 100875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 31.8 | 16.6 | 49.8 |

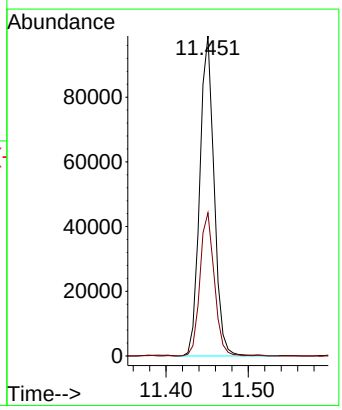


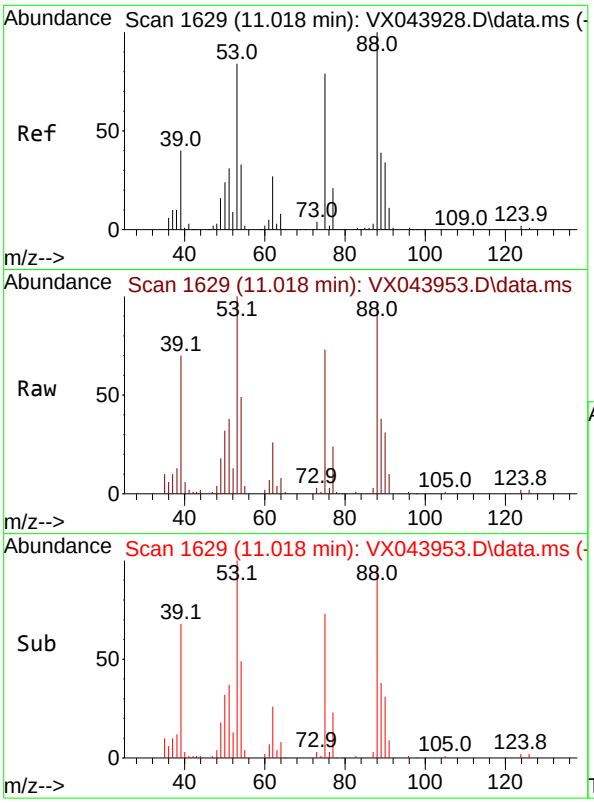




#80
1,3,5-Trimethylbenzene
Concen: 21.878 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 119899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.9 | 23.3 | 69.8 |



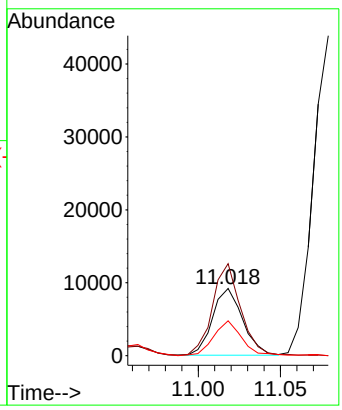


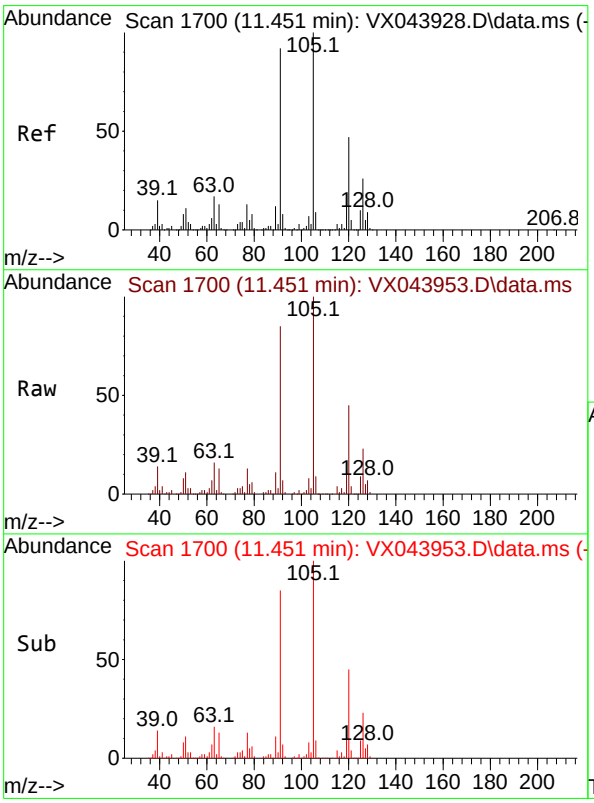

#81
trans-1,4-Dichloro-2-butene
Concen: 16.695 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 75 Resp: 11627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 131.0 | 86.7 | 130.1# |
| 89 | 48.8 | 38.2 | 57.2 |

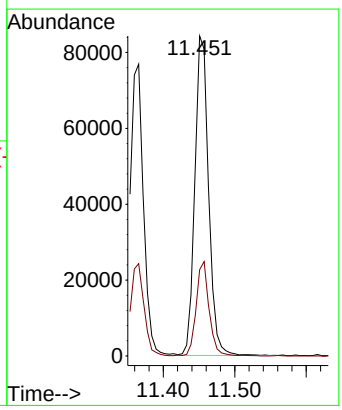


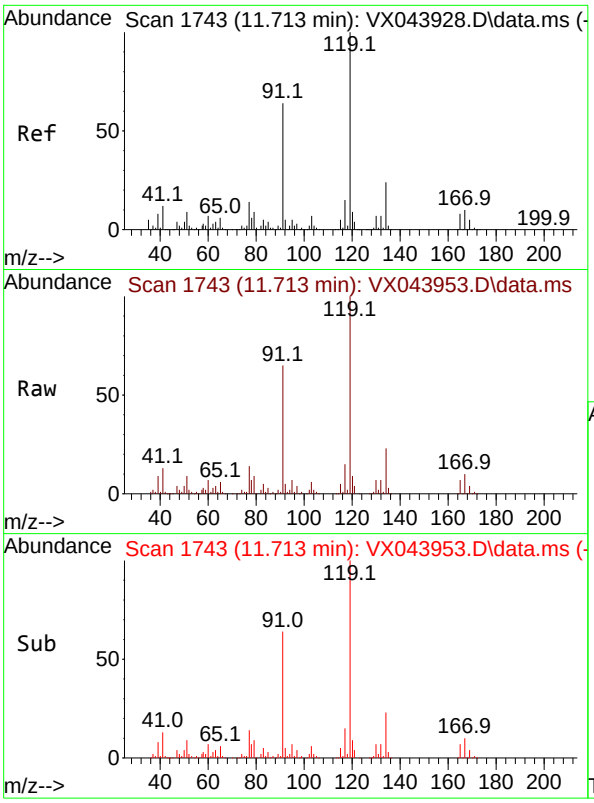




#82
4-Chlorotoluene
Concen: 21.166 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 27.9 | 14.3 | 42.9 |



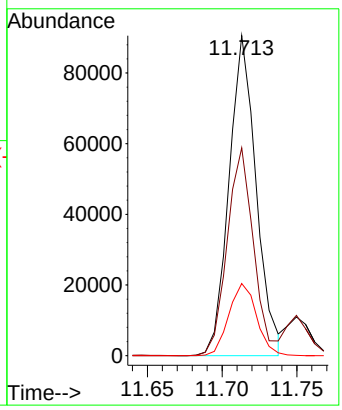


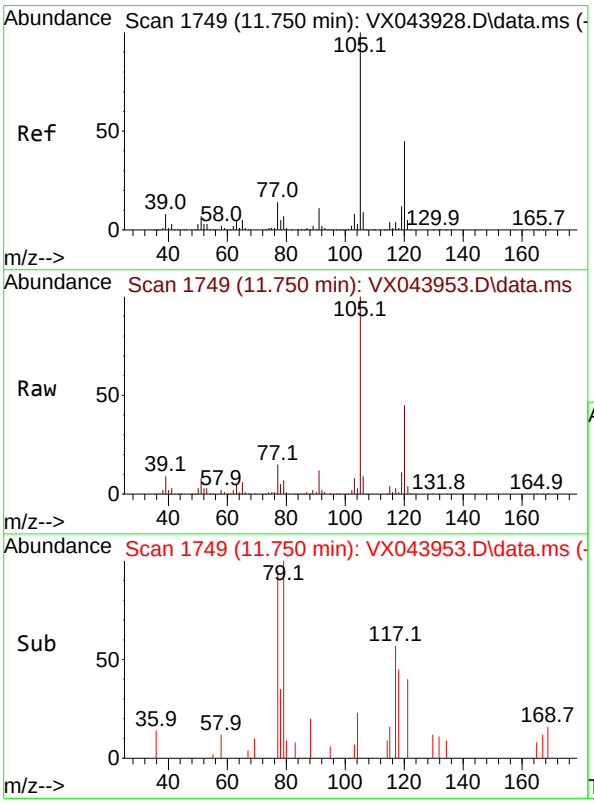

#83
tert-Butylbenzene
Concen: 21.028 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:119 Resp: 114224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 63.5 | 31.0 | 93.0 |
| 134 | 23.1 | 11.6 | 34.8 |

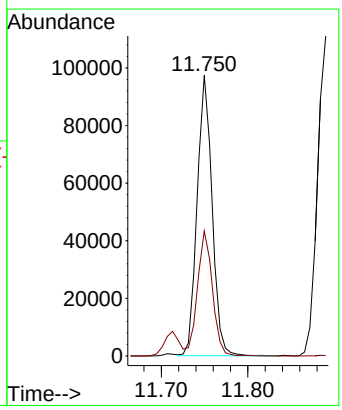


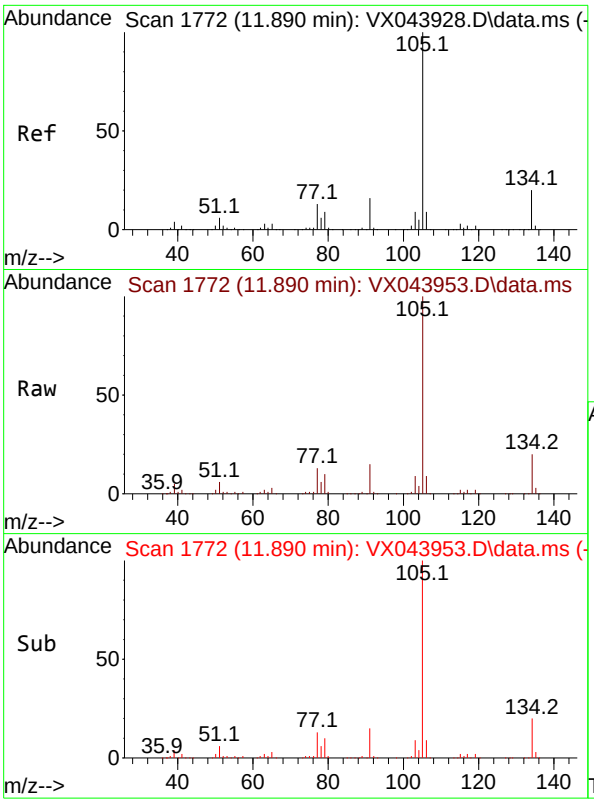




#84
1,2,4-Trimethylbenzene
Concen: 21.424 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:105 Resp: 116894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.7 | 21.9 | 65.7 |



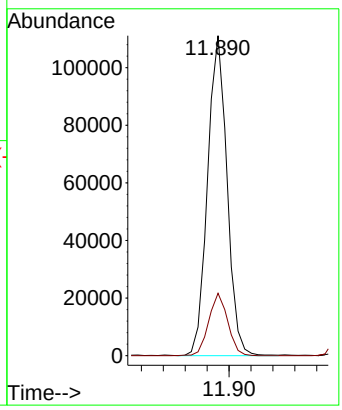


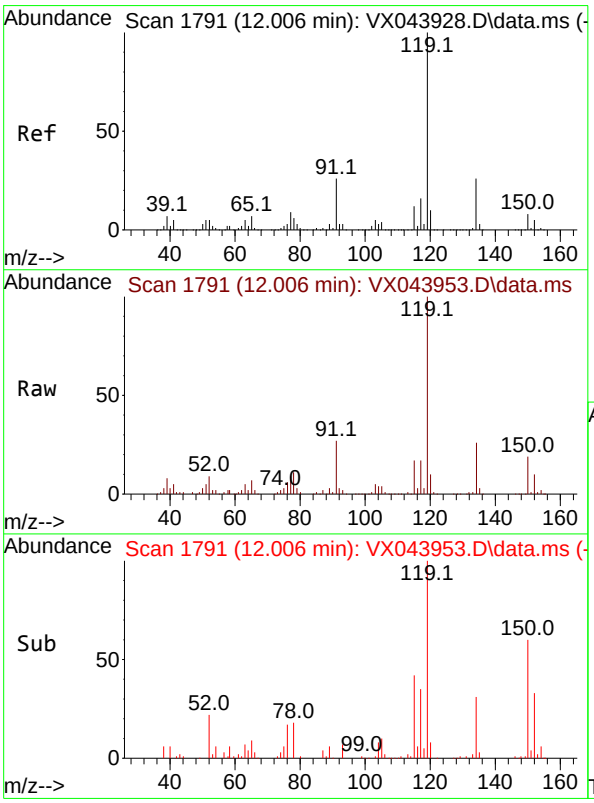

#85
sec-Butylbenzene
Concen: 20.577 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:105 Resp: 136947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.0 | 9.7 | 29.1 |

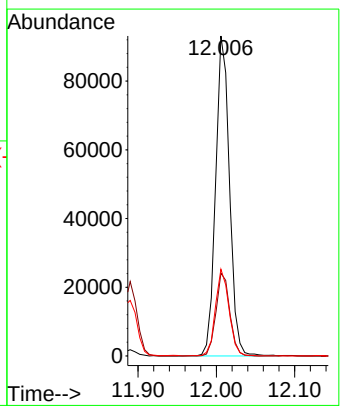


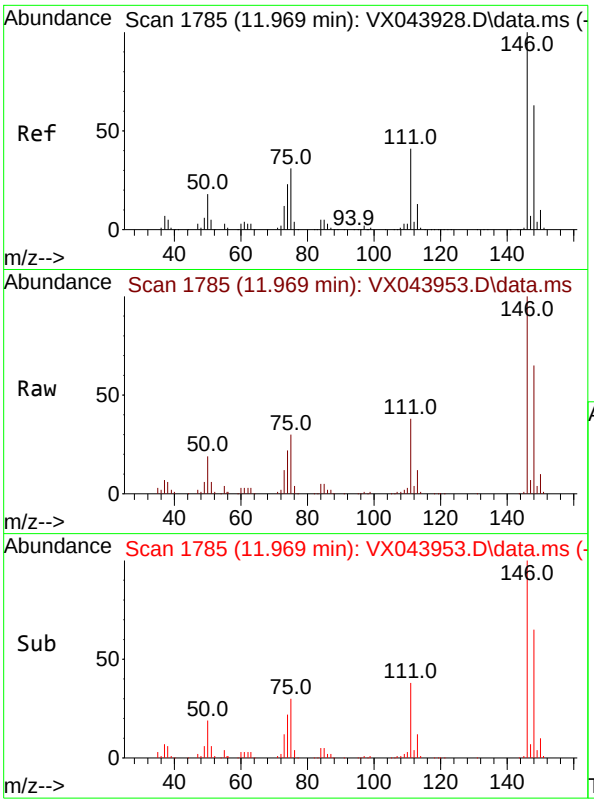




#86
p-Isopropyltoluene
Concen: 21.255 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 38.9 |
| 91 | 26.6 | 13.0 | 38.9 |



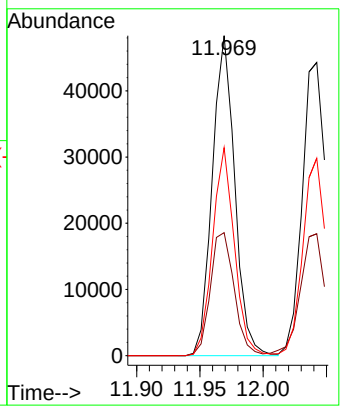


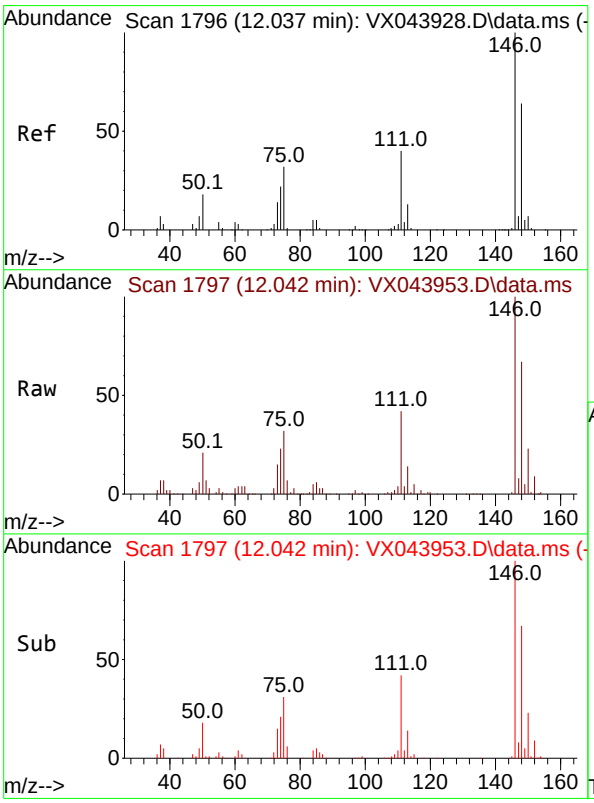

#87
1,3-Dichlorobenzene
Concen: 20.602 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:146 Resp: 59626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.8 | 21.1 | 63.3 |
| 148 | 63.1 | 31.7 | 95.1 |

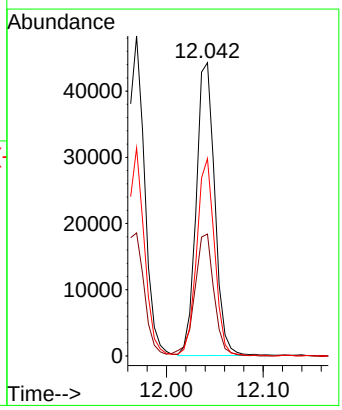


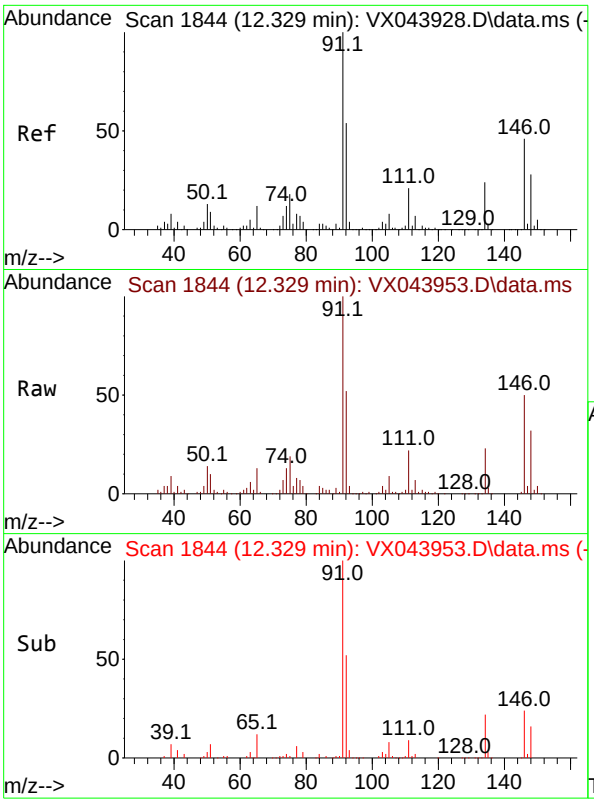




#88
1,4-Dichlorobenzene
Concen: 19.988 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 20.1 | 60.3 |
| 148 | 65.5 | 30.9 | 92.8 |



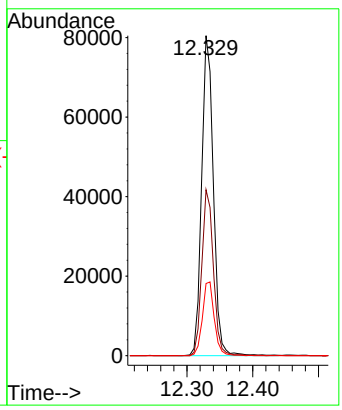


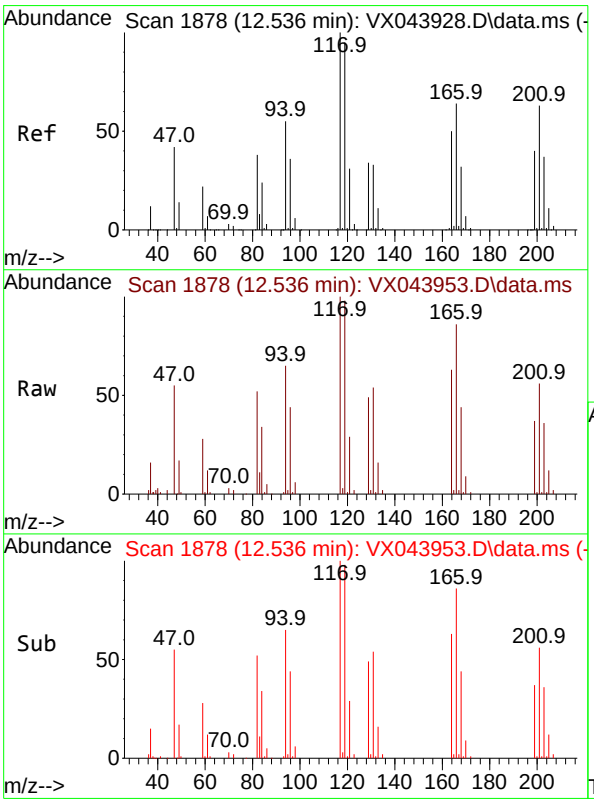

#89
n-Butylbenzene
Concen: 20.917 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion: 91 Resp: 99700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 51.3 | 26.6 | 79.8 |
| 134 | 23.3 | 12.4 | 37.2 |

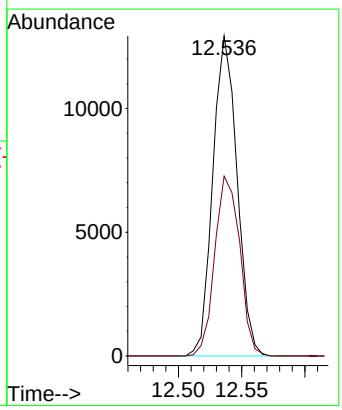


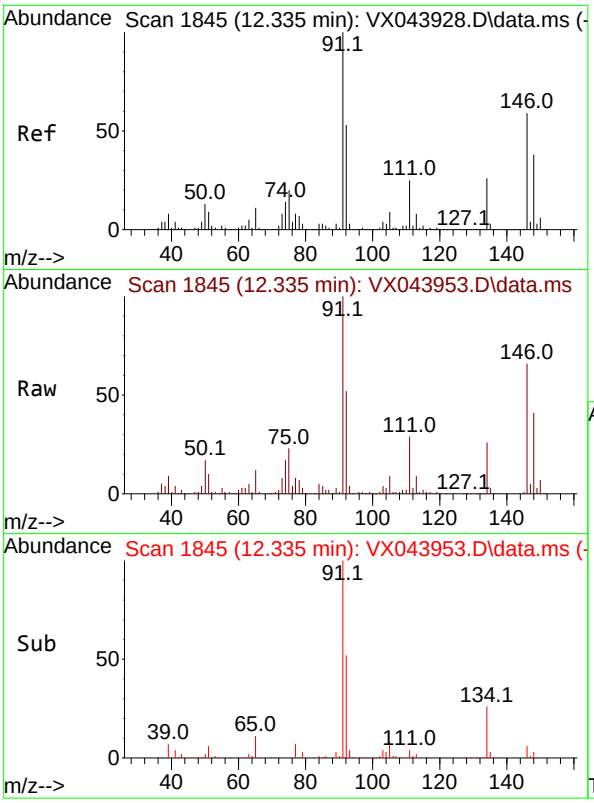




#90
Hexachloroethane
Concen: 18.732 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:117 Resp: 17220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 57.9 | 32.4 | 97.0 |



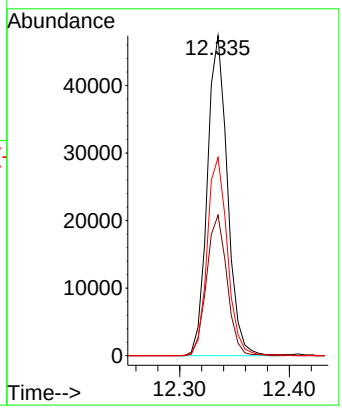


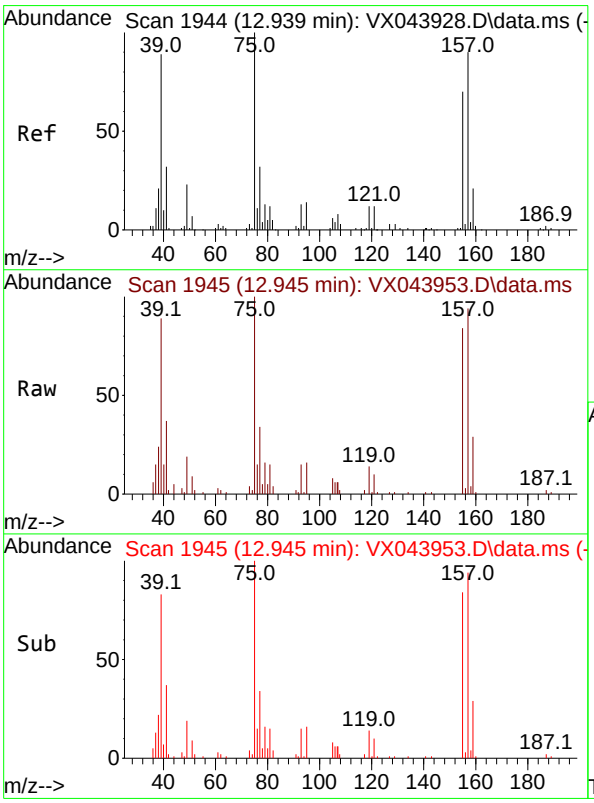

#91
1,2-Dichlorobenzene
Concen: 20.654 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:146 Resp: 60326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.6 | 21.5 | 64.5 |
| 148 | 62.5 | 31.9 | 95.5 |

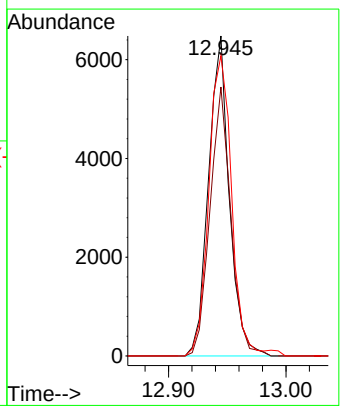


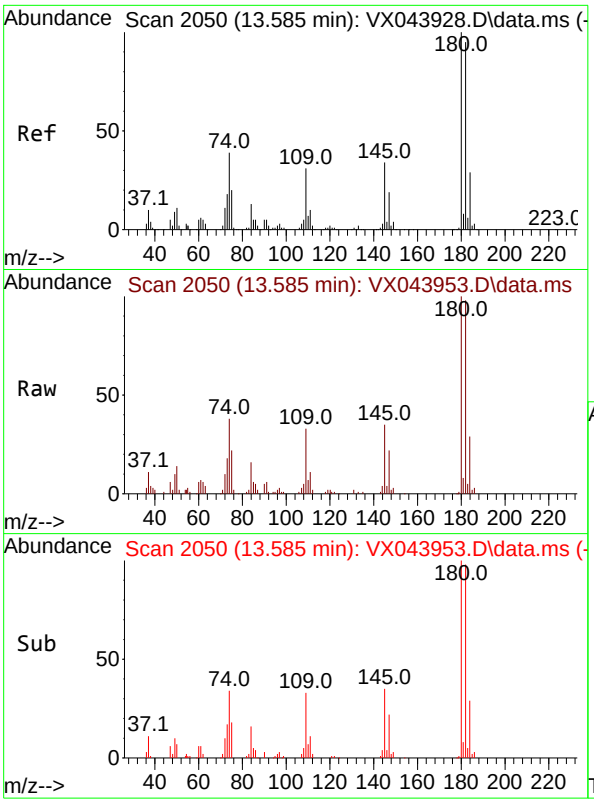




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.368 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 84.4 | 40.1 | 120.2 |
| 157 | 103.8 | 49.6 | 149.0 |



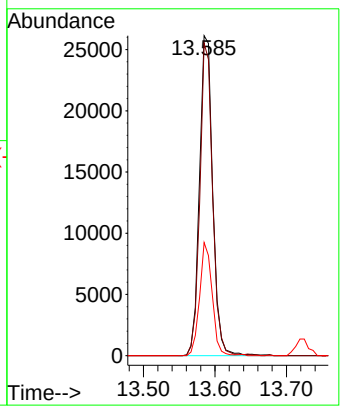


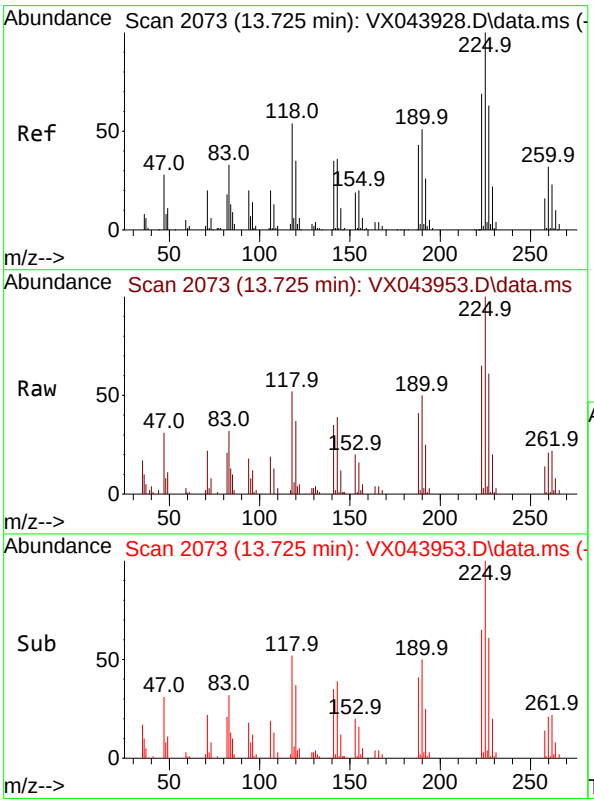

#93
1,2,4-Trichlorobenzene
Concen: 19.521 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:180 Resp: 33614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 48.0 | 144.2 |
| 145 | 33.6 | 16.8 | 50.4 |

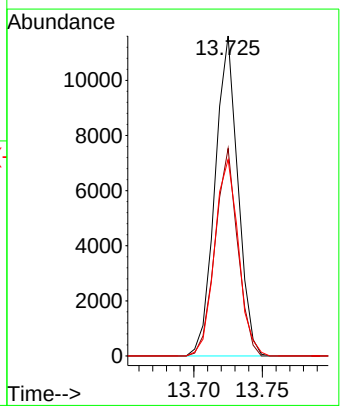


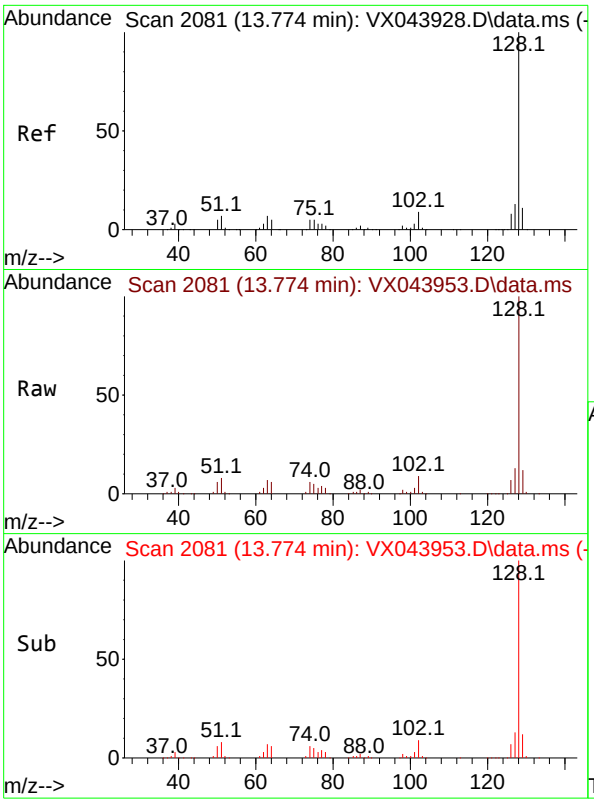




#94
Hexachlorobutadiene
Concen: 19.782 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:225 Resp: 13463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 32.9 | 98.6 |
| 227 | 64.2 | 31.6 | 94.8 |



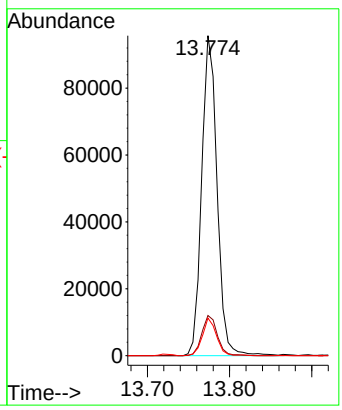


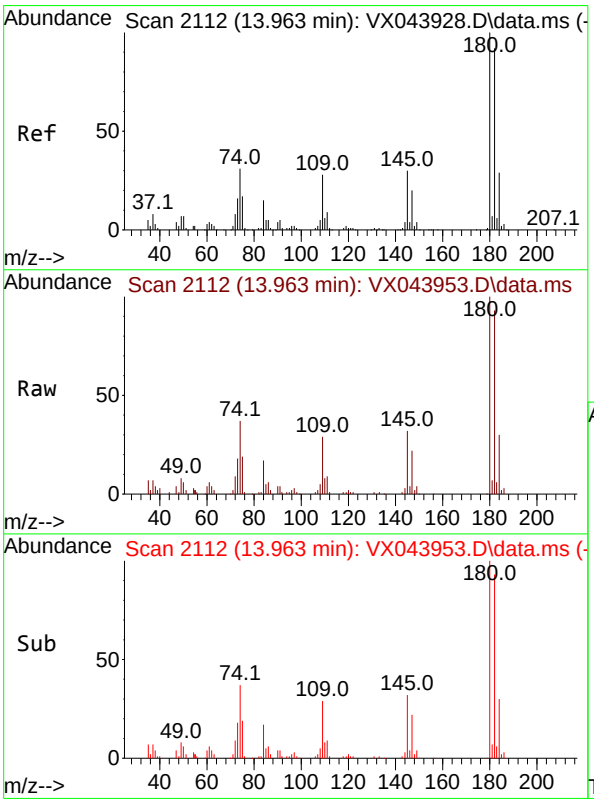

#95
Naphthalene
Concen: 20.050 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX1122WBS01

Tgt Ion:128 Resp: 124279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |

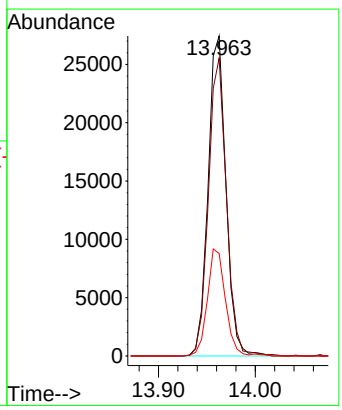



#96
1,2,3-Trichlorobenzene
Concen: 20.203 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX043953.D
Acq: 22 Nov 2024 12:36

Tgt Ion:180 Resp: 35212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.1 | 45.6 | 136.8 |
| 145 | 34.1 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 112356 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 212948 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 180718 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 86103 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 101111 | 52.468 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 104.940% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 74989 | 49.282 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.560% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 257806 | 49.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.300% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90075 | 50.460 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 100.920% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 68527 | 48.144 | ug/l | 98 |
| 3) Chloromethane | 1.295 | 50 | 77653 | 51.844 | ug/l | 98 |
| 4) Vinyl Chloride | 1.374 | 62 | 79667 | 50.006 | ug/l | 97 |
| 5) Bromomethane | 1.593 | 94 | 54292 | 55.396 | ug/l | 94 |
| 6) Chloroethane | 1.666 | 64 | 49950 | 51.454 | ug/l | 94 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 137053 | 48.117 | ug/l | 96 |
| 8) Diethyl Ether | 2.136 | 74 | 55213 | 53.184 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 66905 | 49.243 | ug/l | 97 |
| 10) Methyl Iodide | 2.441 | 142 | 83161 | 49.009 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.995 | 59 | 71192 | 230.159 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 63497 | 49.045 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 82680 | 253.595 | ug/l | 94 |
| 14) Allyl chloride | 2.654 | 41 | 106657 | 50.417 | ug/l | 96 |
| 15) Acrylonitrile | 3.063 | 53 | 189866 | 251.884 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 177415 | 200.446 | ug/l | 98 |
| 17) Carbon Disulfide | 2.502 | 76 | 114161 | 42.748 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 95680 | 46.420 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 246553 | 52.448 | ug/l | 99 |
| 20) Methylene Chloride | 2.782 | 84 | 74313 | 49.476 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96 | 68392 | 51.166 | ug/l | 95 |
| 22) Diisopropyl ether | 3.758 | 45 | 242328 | 53.570 | ug/l | 94 |
| 23) Vinyl Acetate | 3.715 | 43 | 987013 | 255.066 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 138943 | 53.243 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 275794 | 241.489 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 107844 | 45.759 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 86152 | 52.142 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 63098 | 54.931 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 179014 | 255.678 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 146838 | 52.317 | ug/l | 99 |
| 31) Cyclohexane | 5.465 | 56 | 104741 | 48.766 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 128936 | 53.270 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 91242 | 48.120 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 105985 | 45.029 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 100188 | 47.024 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 111296 | 45.182 | ug/l | 97 |
| 40) Benzene | 6.032 | 78 | 289813 | 49.068 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 58512 | 48.571 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 118959 | 50.149 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 175457 | 46.841 | ug/l | | 100 |
| 44) Trichloroethene | 7.117 | 130 | 70053 | 41.898 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 73724 | 50.964 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 56832 | 49.665 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 103090 | 50.231 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 86756 | 48.268 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 31685 | 989.637 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 568625 | 248.756 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 175174 | 49.553 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 101789 | 48.637 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 110702 | 48.251 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 70895 | 48.582 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 114105 | 50.201 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 122428 | 49.804 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 422869 | 246.123 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 71333 | 48.720 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 74152 | 50.254 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 55723 | 46.762 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 192945 | 48.612 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 66035 | 51.300 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 336300 | 50.003 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 251786 | 100.388 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 125030 | 51.057 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 212135 | 52.376 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 41719 | 43.146 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 320568 | 48.434 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 143653 | 46.852 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 110147 | 48.602 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 118375 | 62.691 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 74543 | 47.213 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 360526 | 48.772 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 223225 | 47.756 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 265035 | 48.673 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29118 | 42.080 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 253775 | 48.089 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 261550 | 48.461 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 267291 | 49.305 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 317529 | 48.018 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 267370 | 49.776 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.970 | 146 | 133915 | 46.569 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 137083 | 46.757 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 225022 | 47.515 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 40654 | 44.510 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 138255 | 47.641 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 20620 | 45.408 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 77084 | 45.054 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 27998 | 41.406 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 293168 | 47.601 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 79356 | 45.825 | ug/l | | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

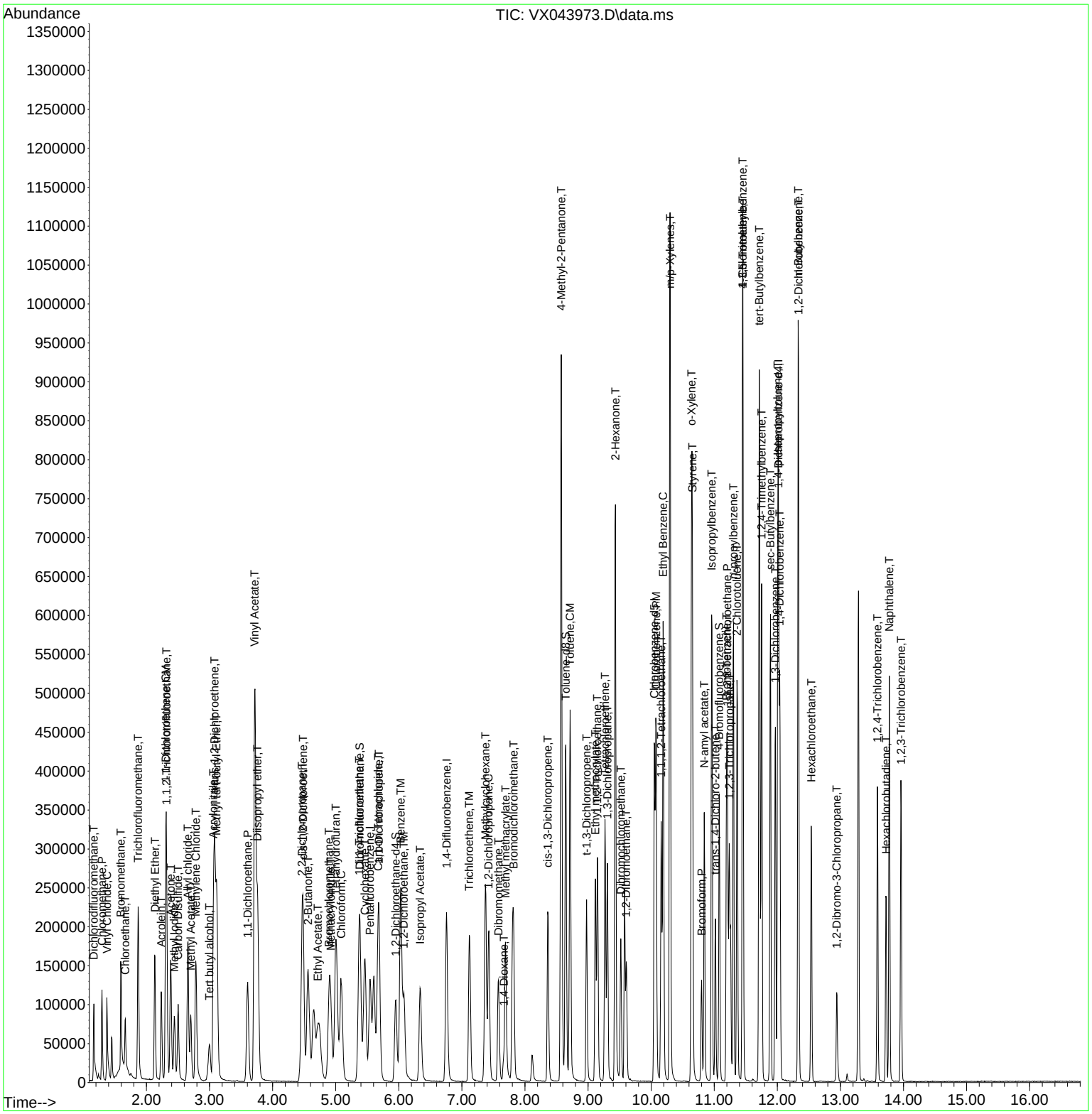
(#) = qualifier out of range (m) = manual integration (+) = signals summed

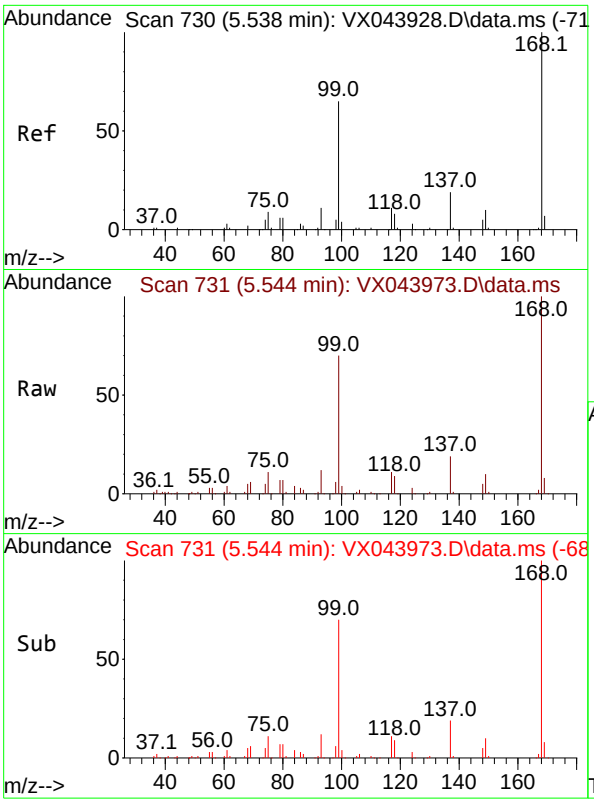
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043973.D
Acq On : 22 Nov 2024 20:19
Operator : JC/MD
Sample : P4934-06MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Quant Time: Nov 22 22:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



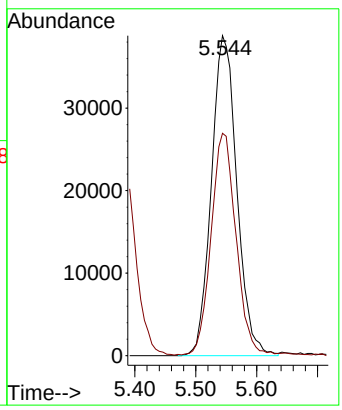


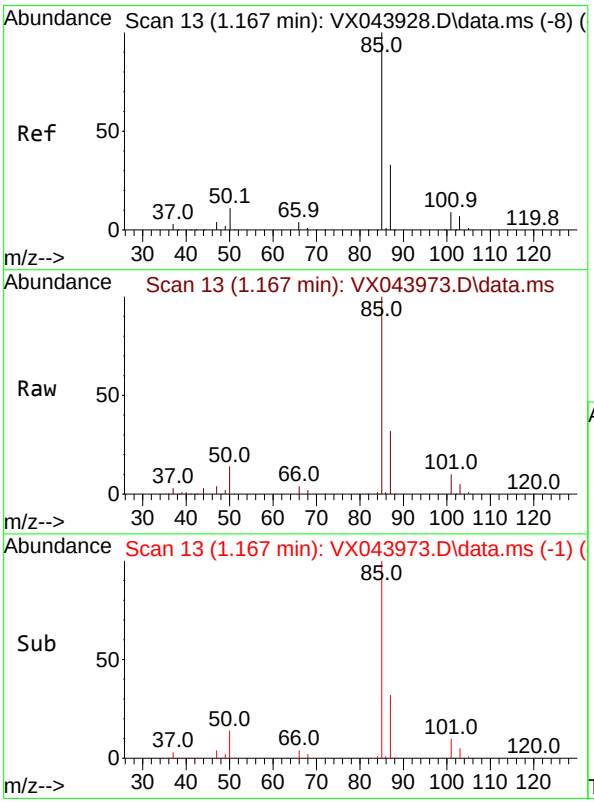

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:168 Resp: 112356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 69.1 | 51.8 | 77.8 |

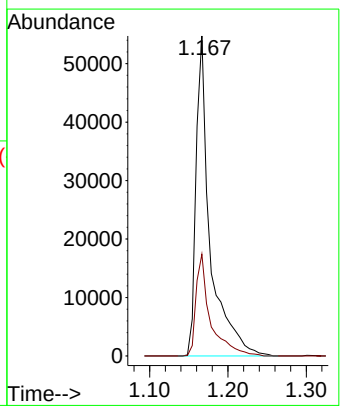


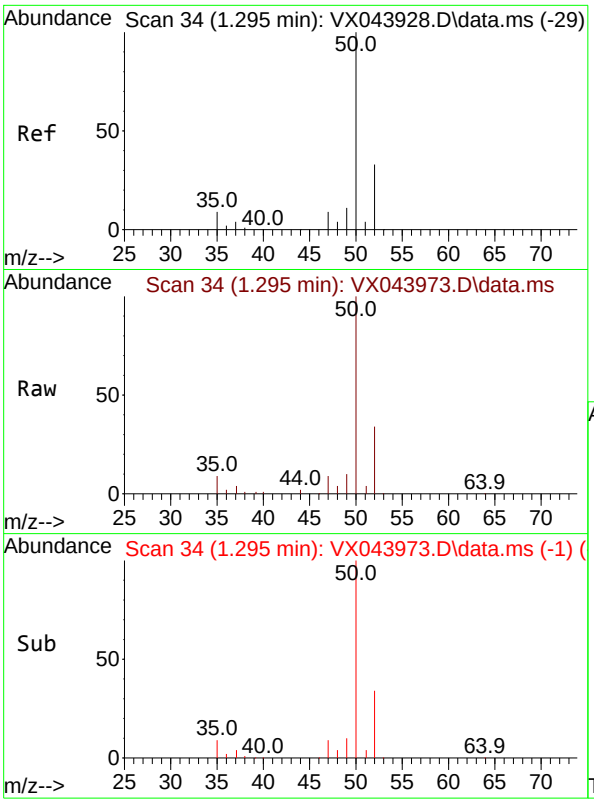




#2
Dichlorodifluoromethane
Concen: 48.144 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 85 Resp: 68527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 16.6 | 49.8 |



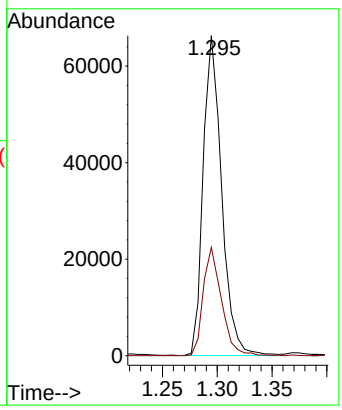


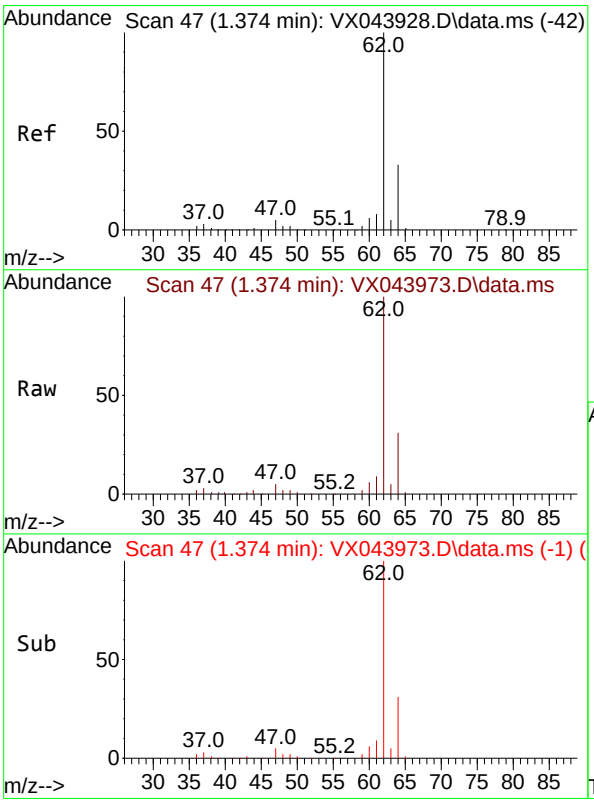

#3
Chloromethane
Concen: 51.844 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 50 Resp: 77653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |

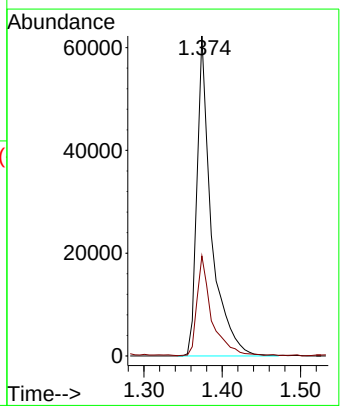


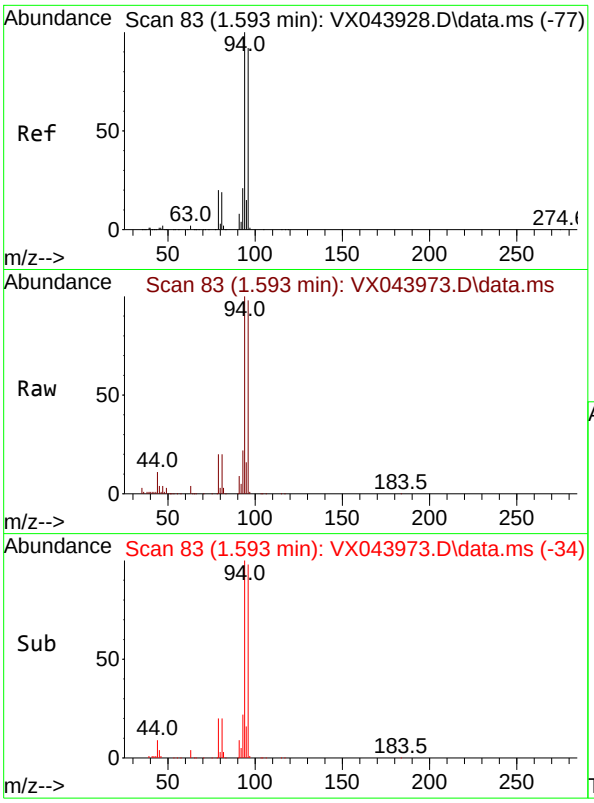




#4
Vinyl Chloride
Concen: 50.006 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 62 Resp: 79667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 26.2 | 39.4 |



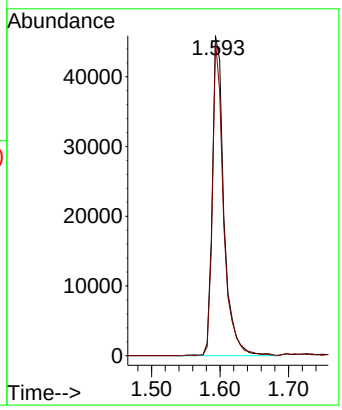


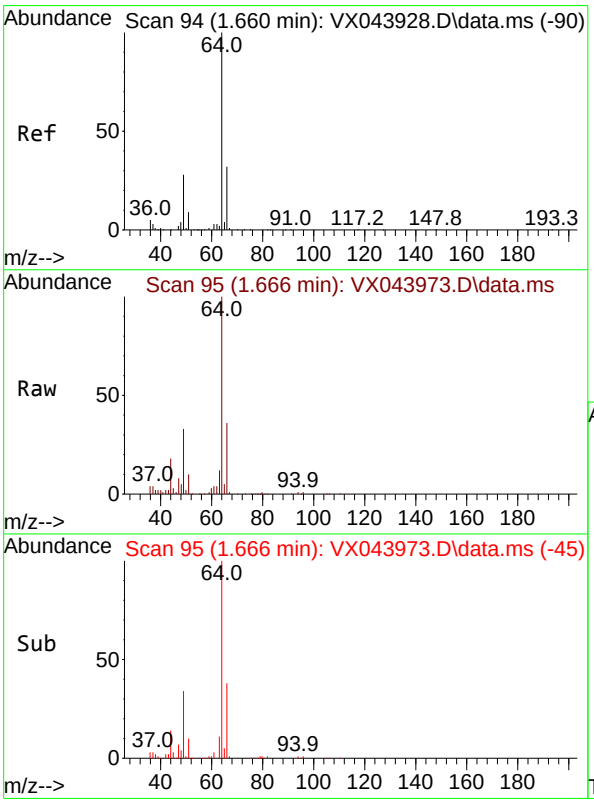

#5
Bromomethane
Concen: 55.396 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 94 Resp: 54292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 98.4 | 73.9 | 110.9 |

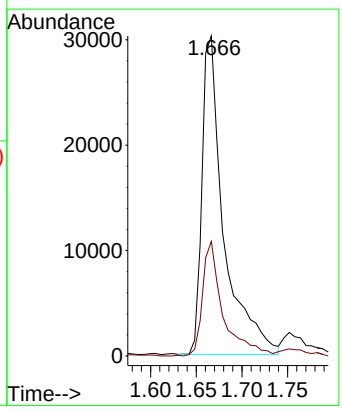


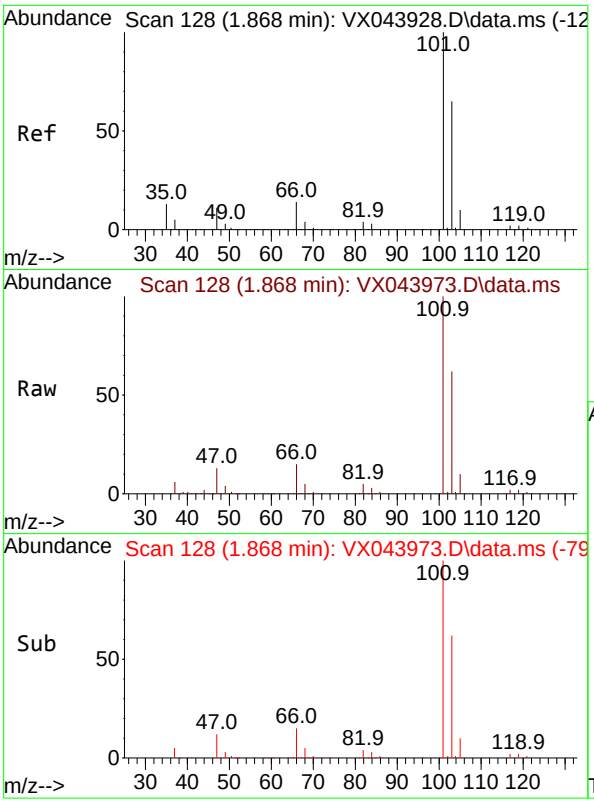




#6
Chloroethane
Concen: 51.454 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 64 Resp: 49950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.7 | 25.9 | 38.9 |



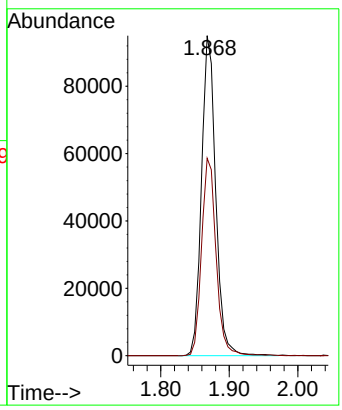


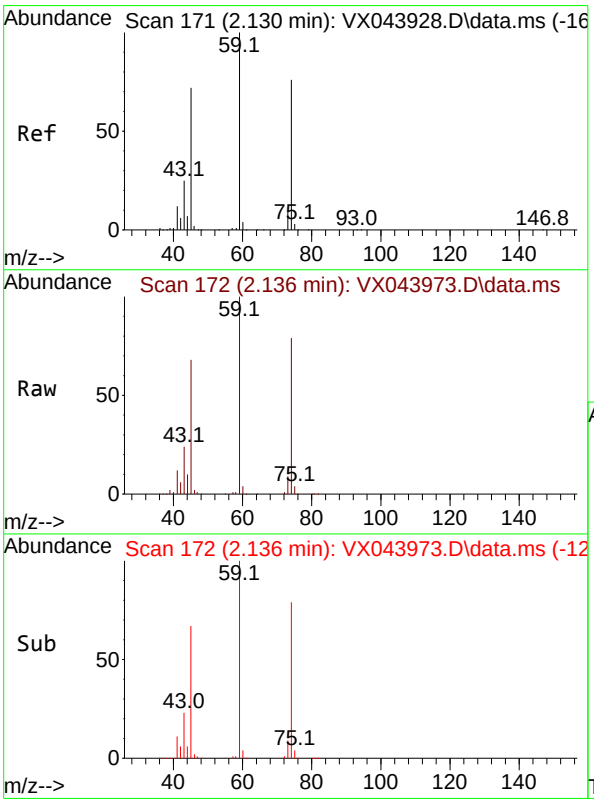

#7
Trichlorofluoromethane
Concen: 48.117 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:101 Resp: 137053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 61.7 | 52.2 | 78.2 |

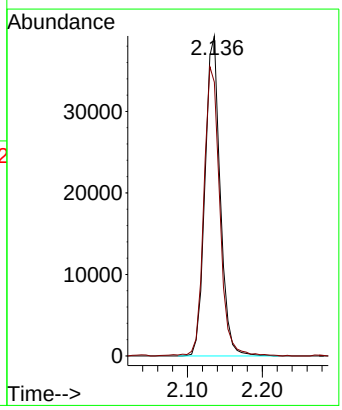


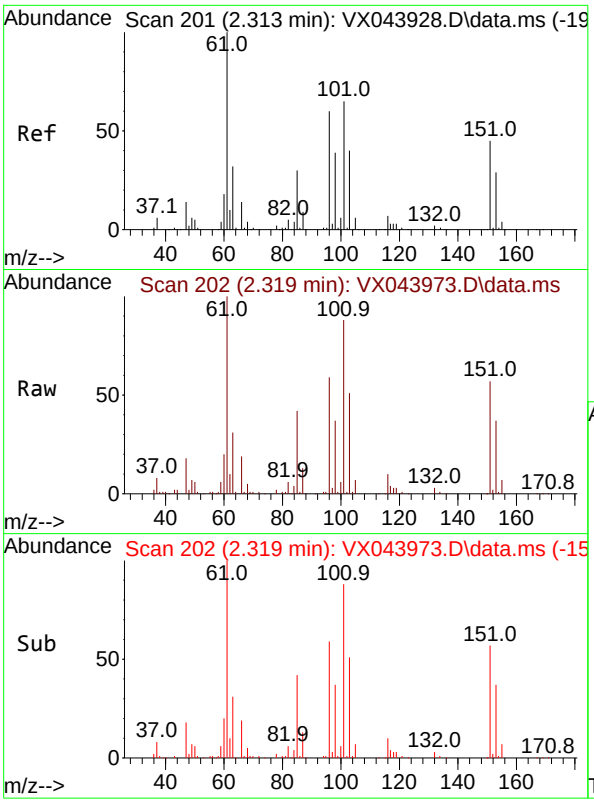




#8
Diethyl Ether
Concen: 53.184 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 74 Resp: 55213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 95.1 | 47.9 | 143.6 |



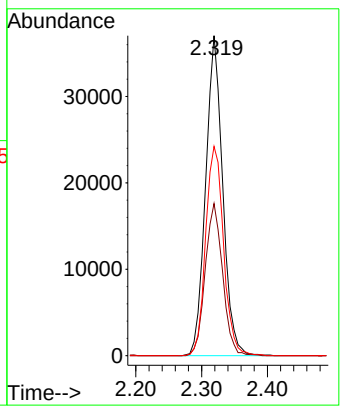


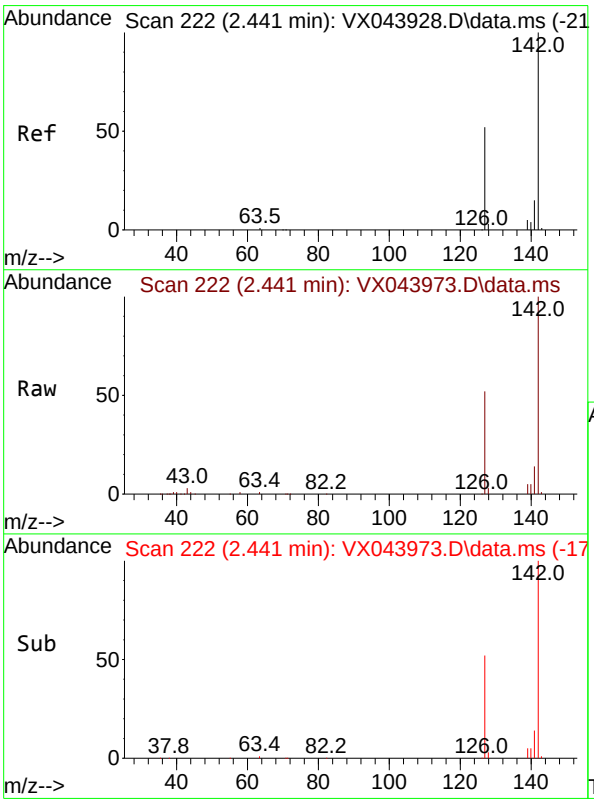

#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.243 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:101 Resp: 66905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.5 | 37.9 | 56.9 |
| 151 | 68.7 | 57.5 | 86.3 |

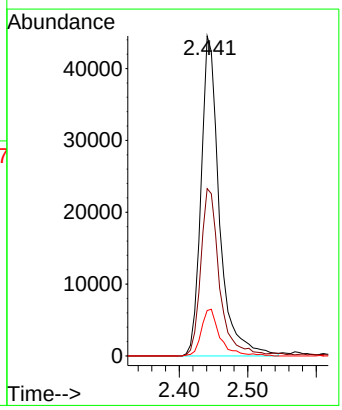


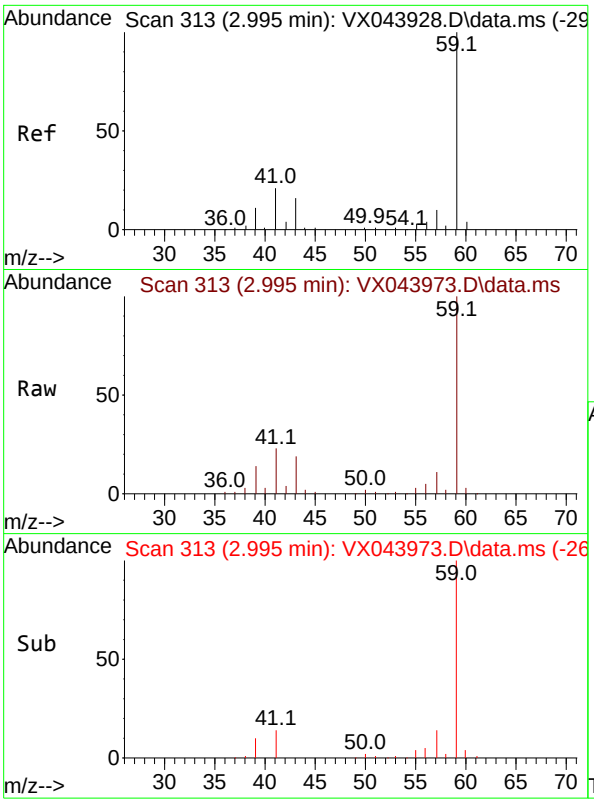




#10
Methyl Iodide
Concen: 49.009 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:142 Resp: 83161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.2 | 40.7 | 61.1 |
| 141 | 14.8 | 12.0 | 18.0 |



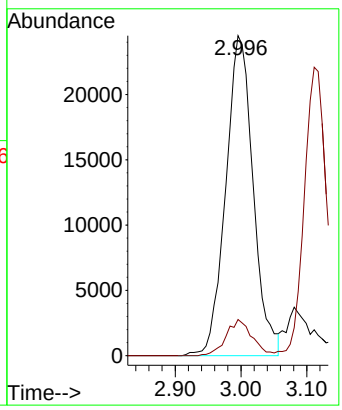


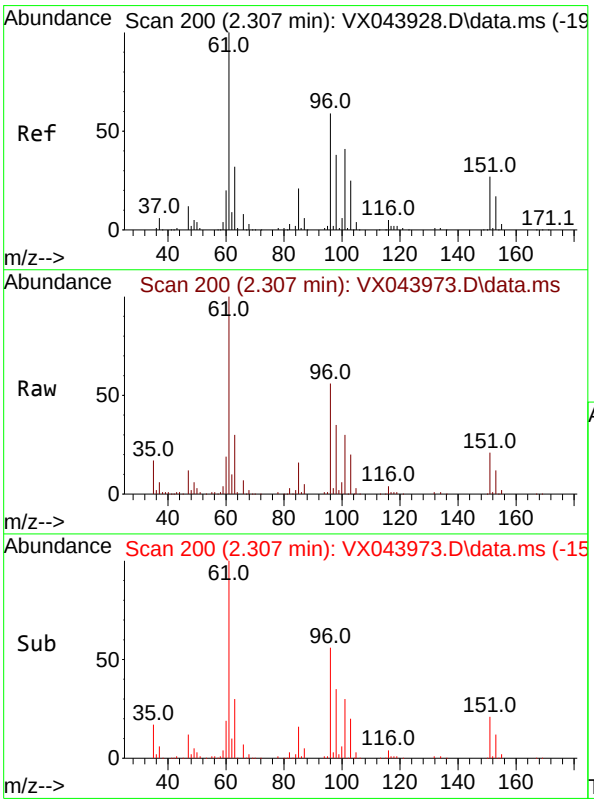

#11
Tert butyl alcohol
Concen: 230.159 ug/l
RT: 2.995 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 59 Resp: 71192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 7.9 | 11.9 |

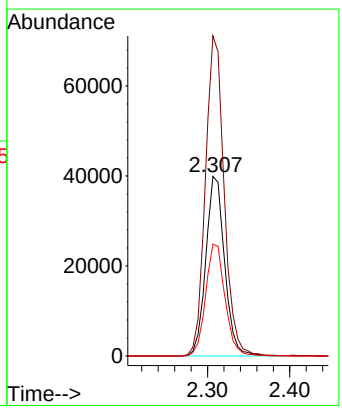


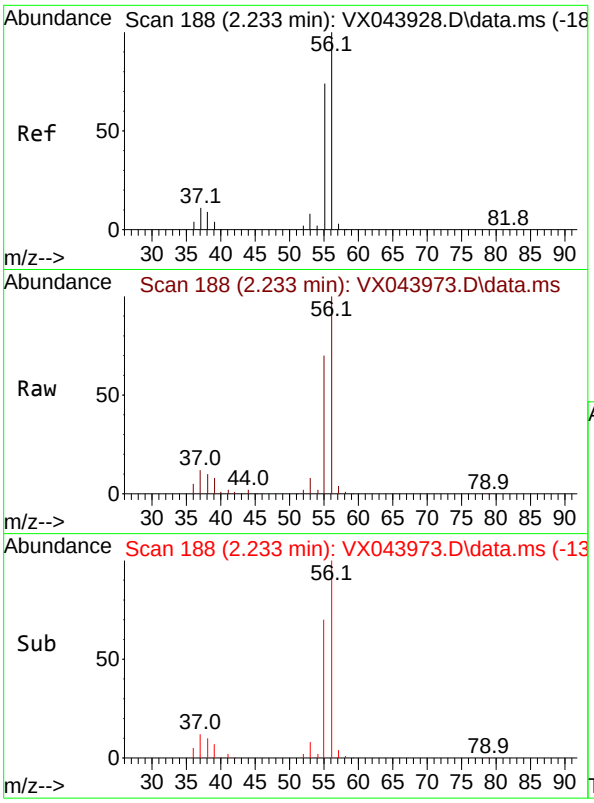




#12
1,1-Dichloroethene
Concen: 49.045 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 96 Resp: 63497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 178.3 | 135.5 | 203.3 |
| 98 | 62.4 | 50.8 | 76.2 |



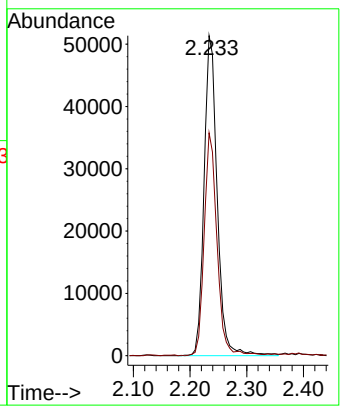


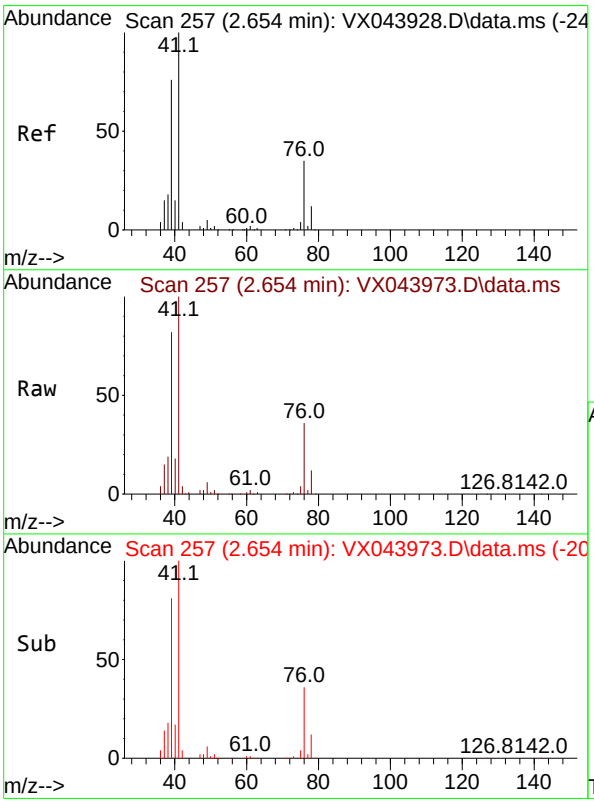

#13
Acrolein
Concen: 253.595 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 56 Resp: 82680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.1 | 58.2 | 87.2 |

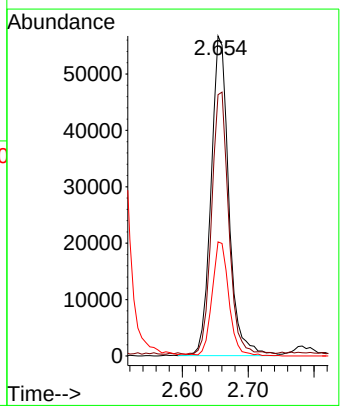


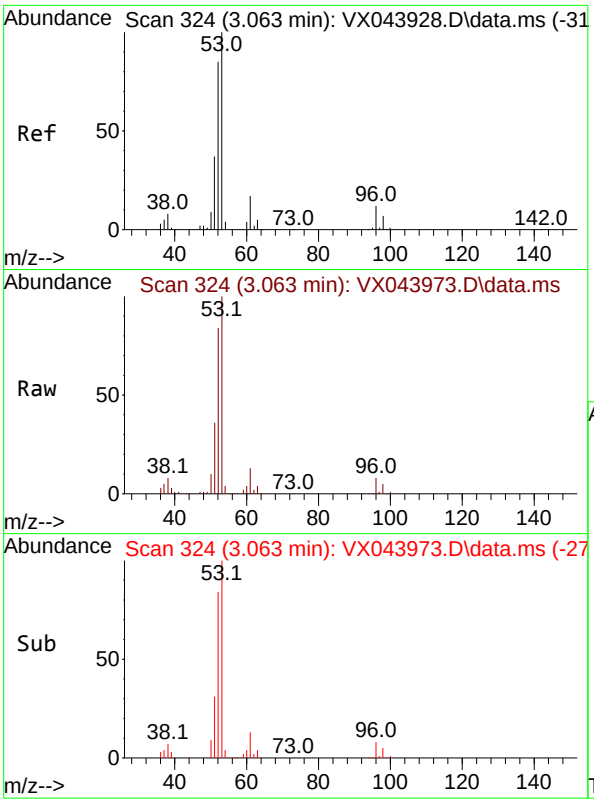




#14
Allyl chloride
Concen: 50.417 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 41 Resp: 106657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.9 | 59.5 | 89.3 |
| 76 | 33.7 | 27.4 | 41.2 |



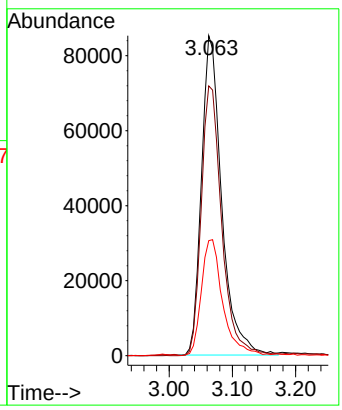


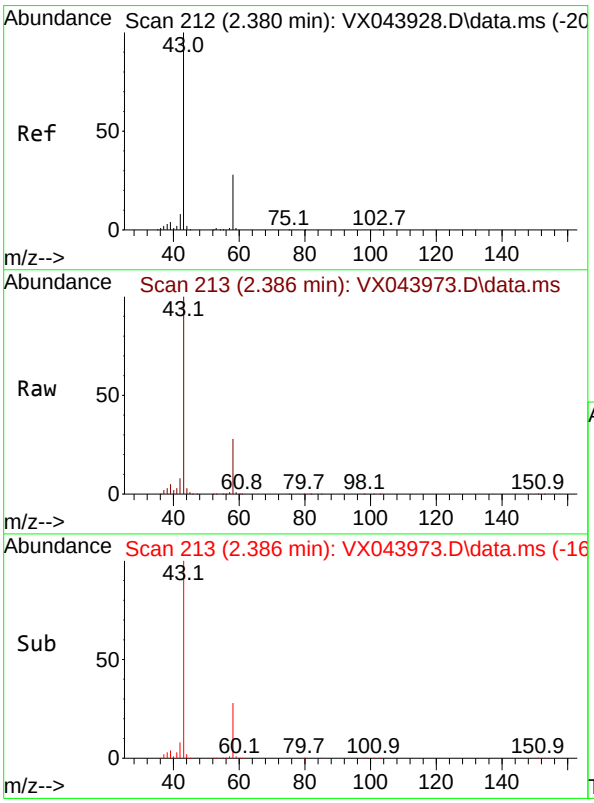

#15
Acrylonitrile
Concen: 251.884 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 53 Resp: 189866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.6 | 66.5 | 99.7 |
| 51 | 38.1 | 30.2 | 45.4 |

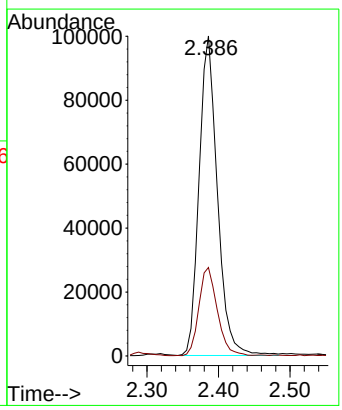


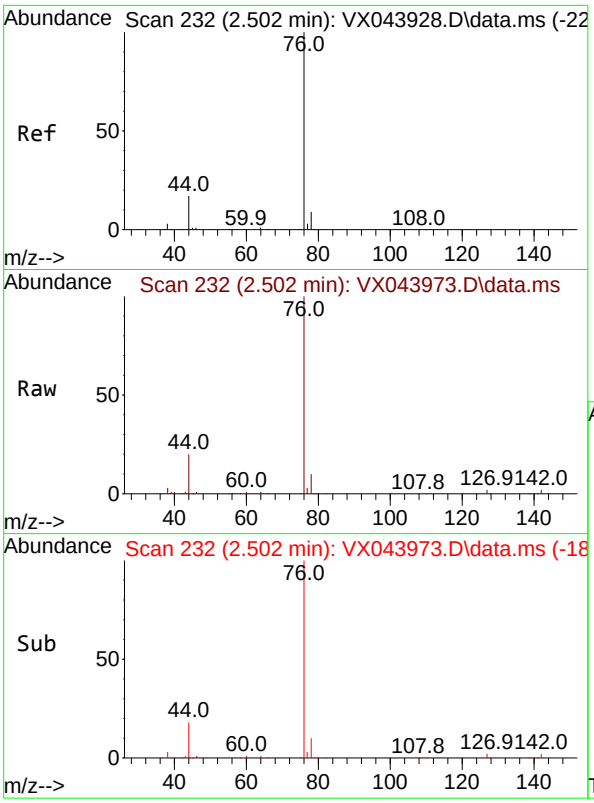




#16
Acetone
Concen: 200.446 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 177415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.5 | 22.7 | 34.1 |



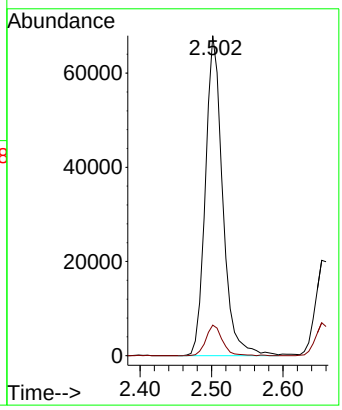


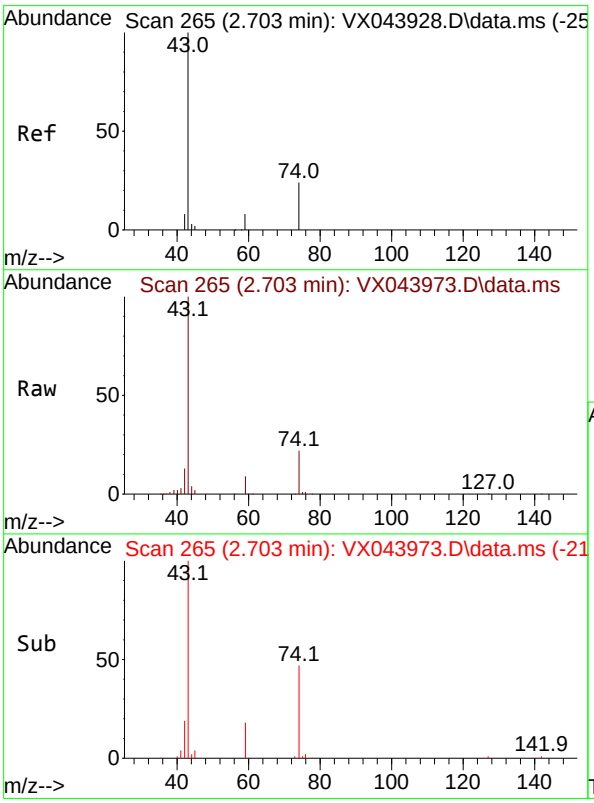

#17
Carbon Disulfide
Concen: 42.748 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 76 Resp: 114161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.5 | 7.0 | 10.6 |

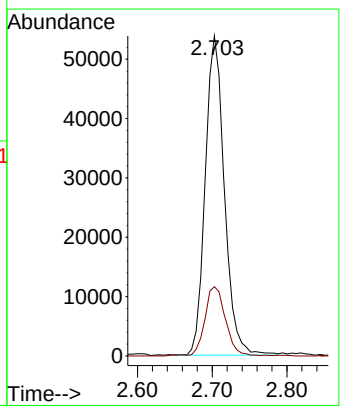


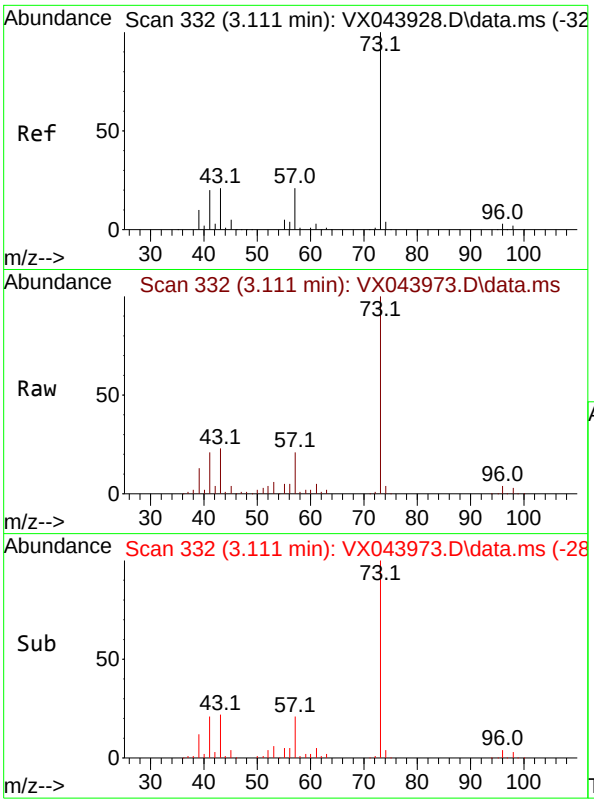




#18
Methyl Acetate
Concen: 46.420 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 95680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.8 | 18.9 | 28.3 |



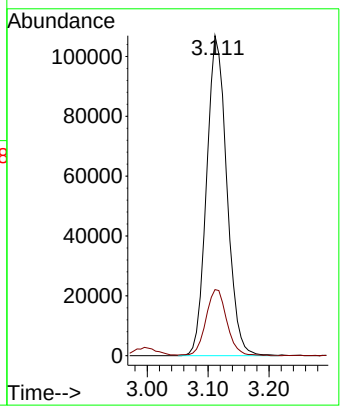


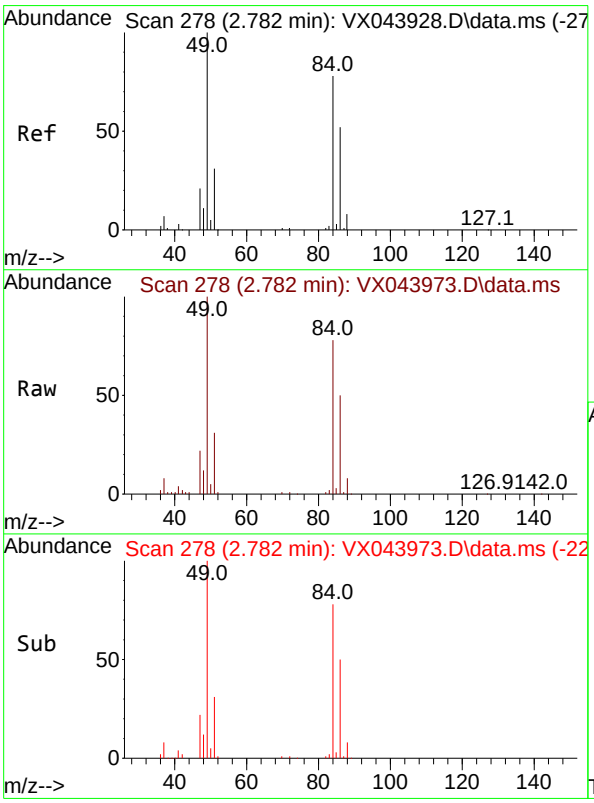

#19
Methyl tert-butyl Ether
Concen: 52.448 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 73 Resp: 246553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.7 | 17.0 | 25.6 |

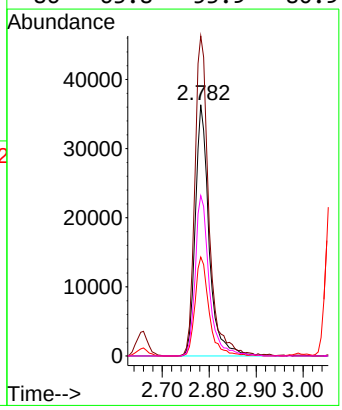


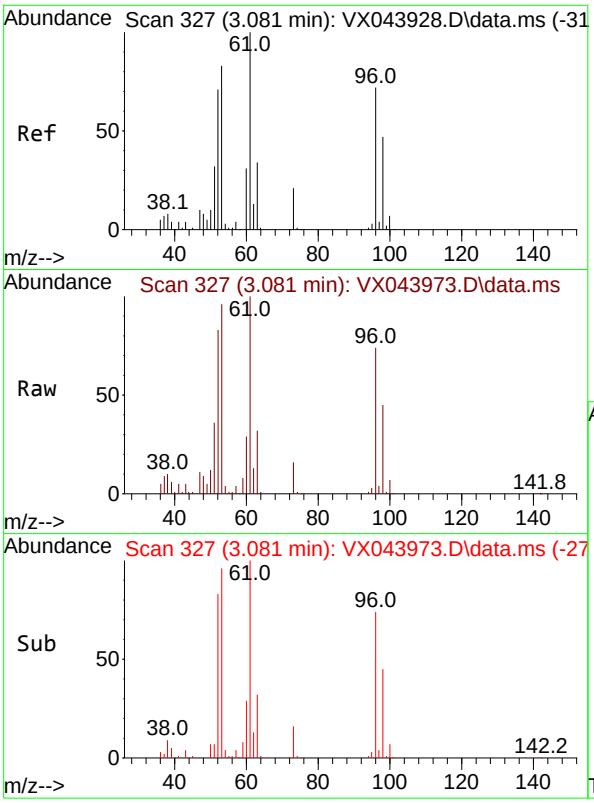




#20
Methylene Chloride
Concen: 49.476 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 84 Resp: 74313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.4 | 102.7 | 154.1 |
| 51 | 39.4 | 31.7 | 47.5 |
| 86 | 63.8 | 53.9 | 80.9 |



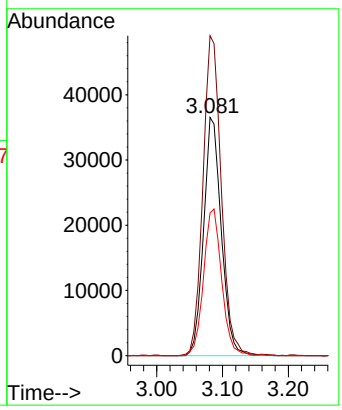


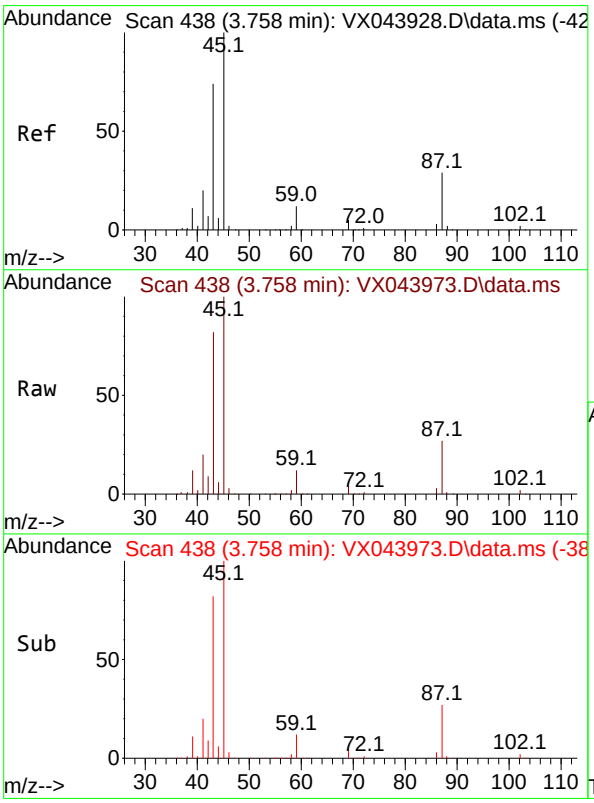

#21
trans-1,2-Dichloroethene
Concen: 51.166 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 96 Resp: 68392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 134.3 | 111.8 | 167.6 |
| 98 | 59.9 | 52.7 | 79.1 |

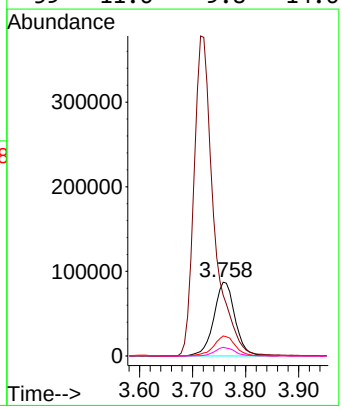


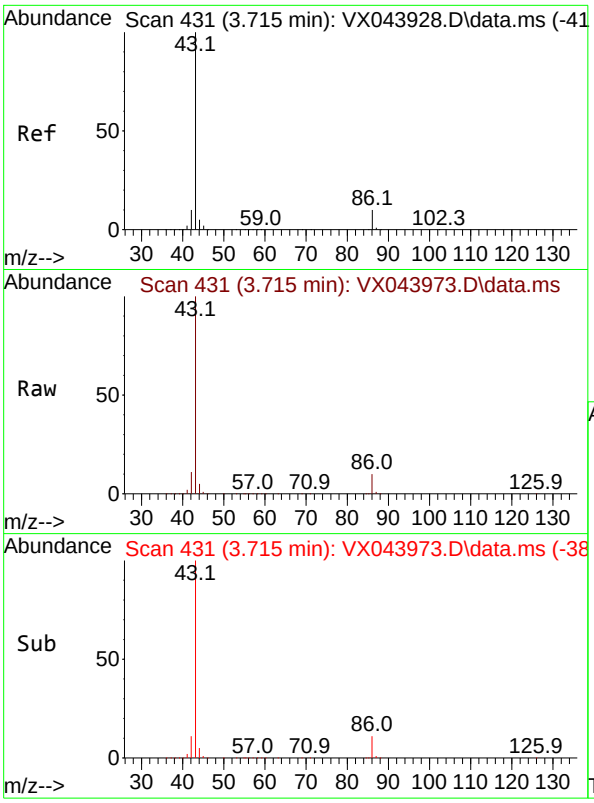




#22
Diisopropyl ether
Concen: 53.570 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 45 Resp: 242328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 81.9 | 59.6 | 89.4 |
| 87 | 27.2 | 22.9 | 34.3 |
| 59 | 11.6 | 9.8 | 14.6 |



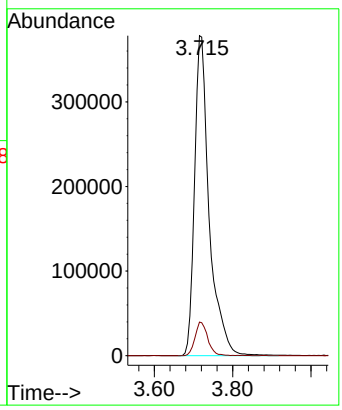


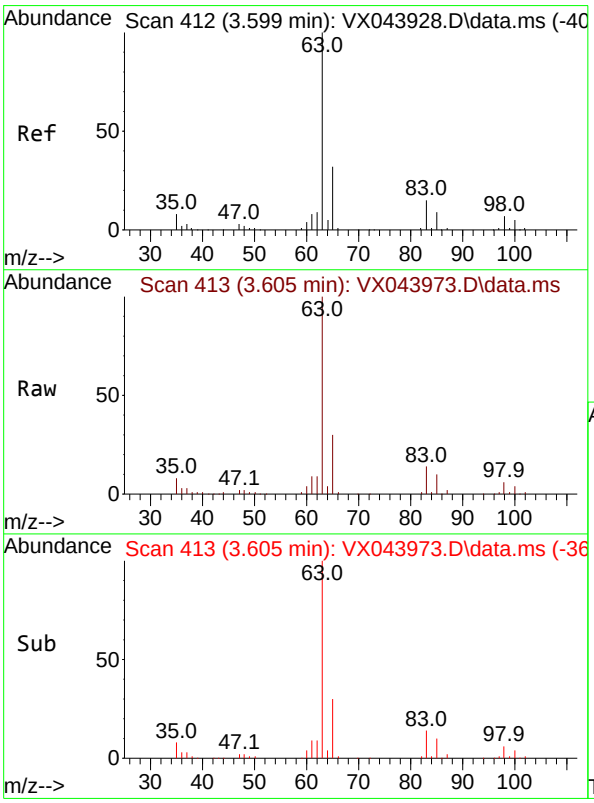

#23
Vinyl Acetate
Concen: 255.066 ug/l
RT: 3.715 min Scan# 41
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 987013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.5 | 8.3 | 12.5 |

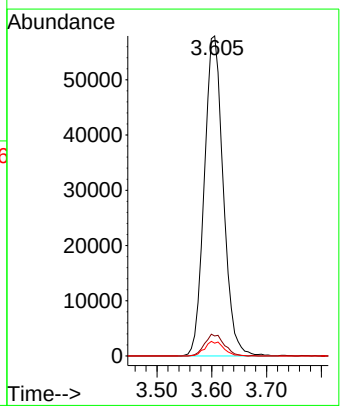


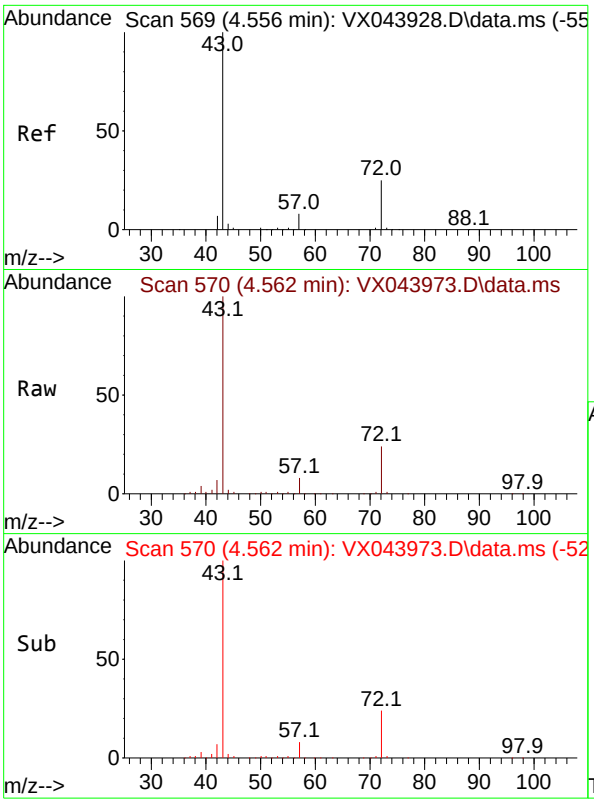




#24
1,1-Dichloroethane
Concen: 53.243 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 63 Resp: 138943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.5 | 10.6 |
| 100 | 4.0 | 2.4 | 7.1 |



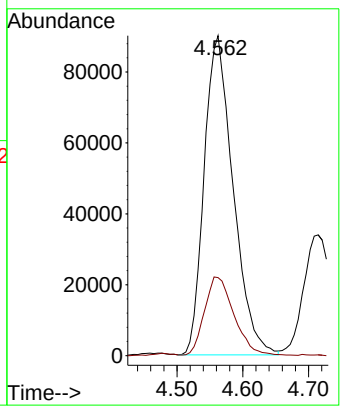


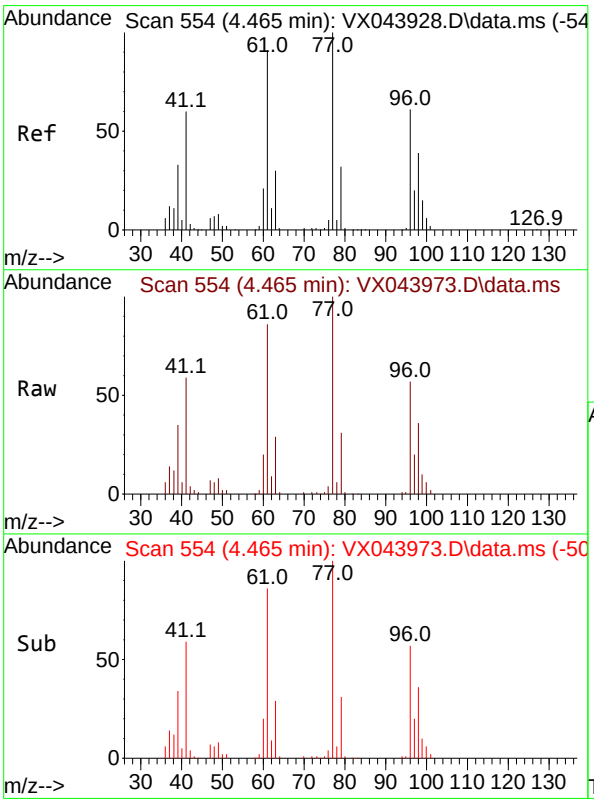

#25
2-Butanone
Concen: 241.489 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 275794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.2 | 20.2 | 30.2 |

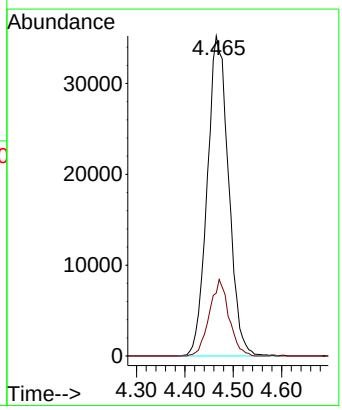


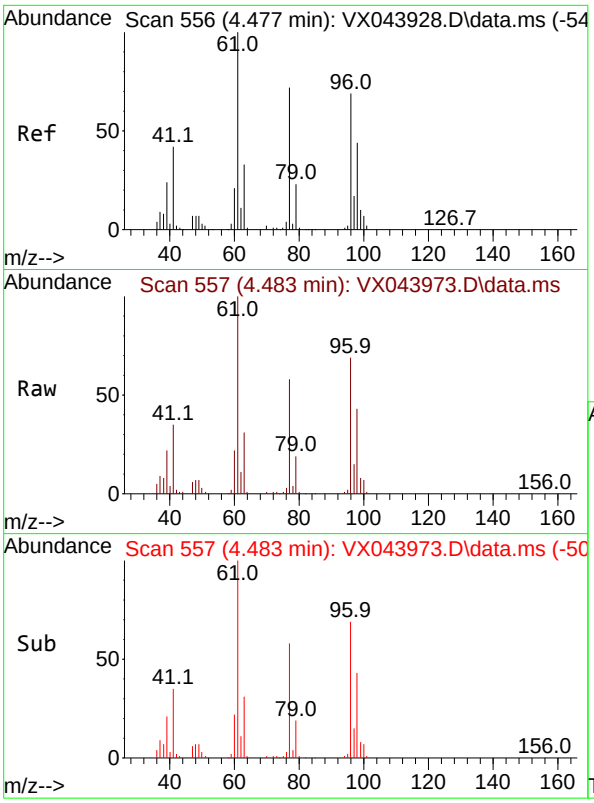




#26
2,2-Dichloropropane
Concen: 45.759 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 77 Resp: 107844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.8 | 32.3 |



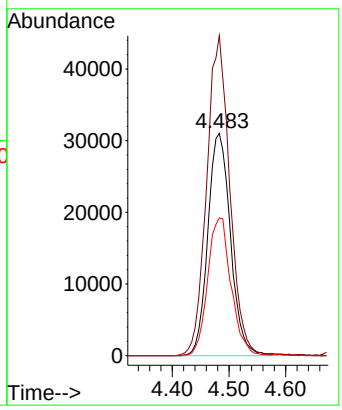


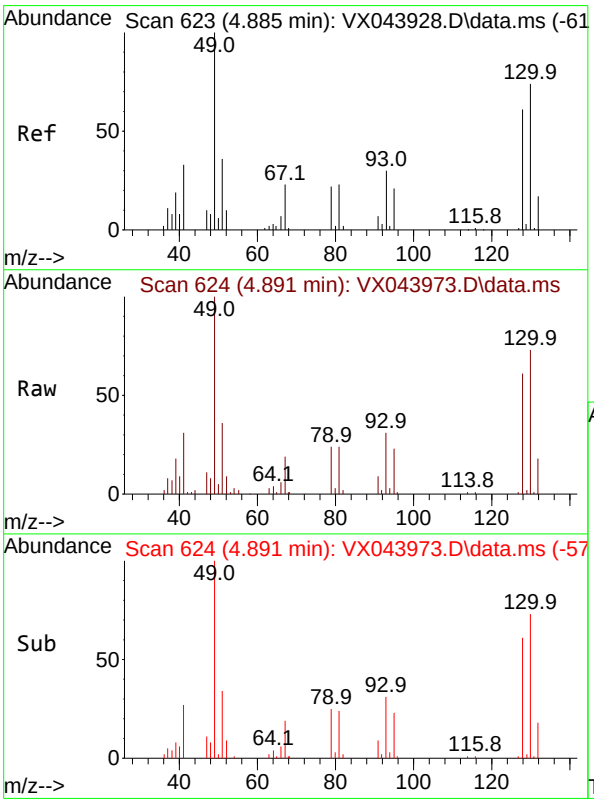

#27
cis-1,2-Dichloroethene
Concen: 52.142 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 96 Resp: 86152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.1 | 0.0 | 297.4 |
| 98 | 63.8 | 0.0 | 127.8 |

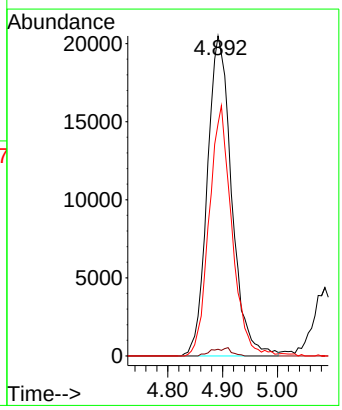


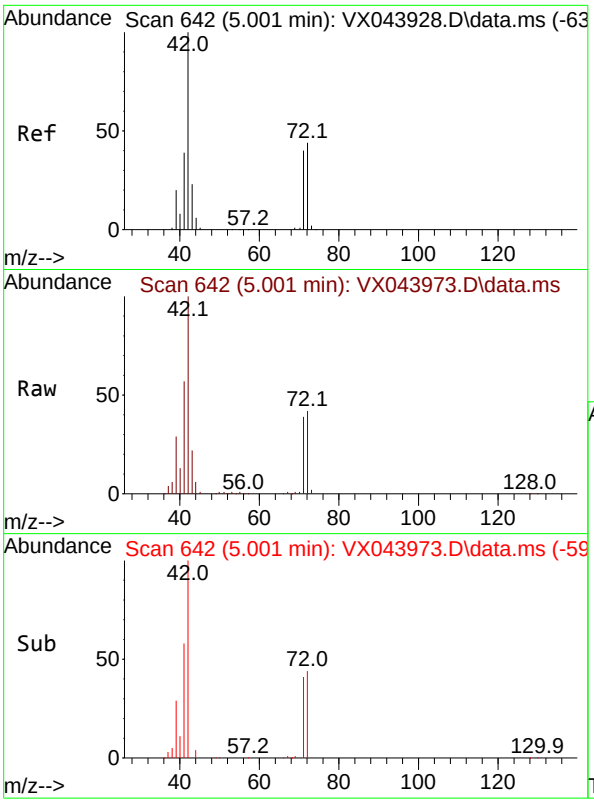




#28
Bromochloromethane
Concen: 54.931 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 49 Resp: 63098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.1 | 0.0 | 4.0 |
| 130 | 73.1 | 59.0 | 88.6 |



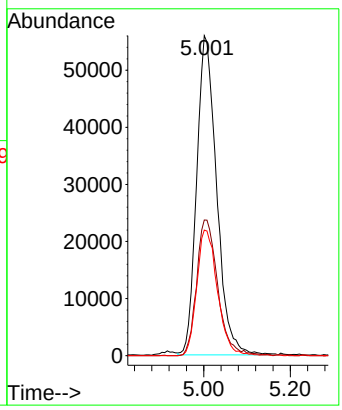


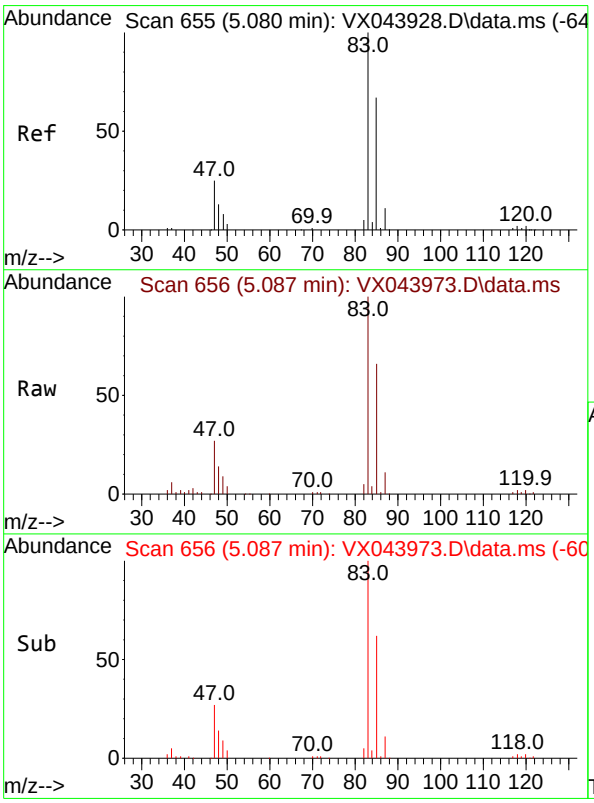

#29
Tetrahydrofuran
Concen: 255.678 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 42 Resp: 179014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.9 | 36.4 | 54.6 |
| 71 | 40.8 | 33.4 | 50.0 |

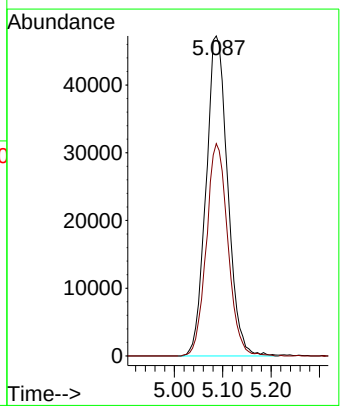


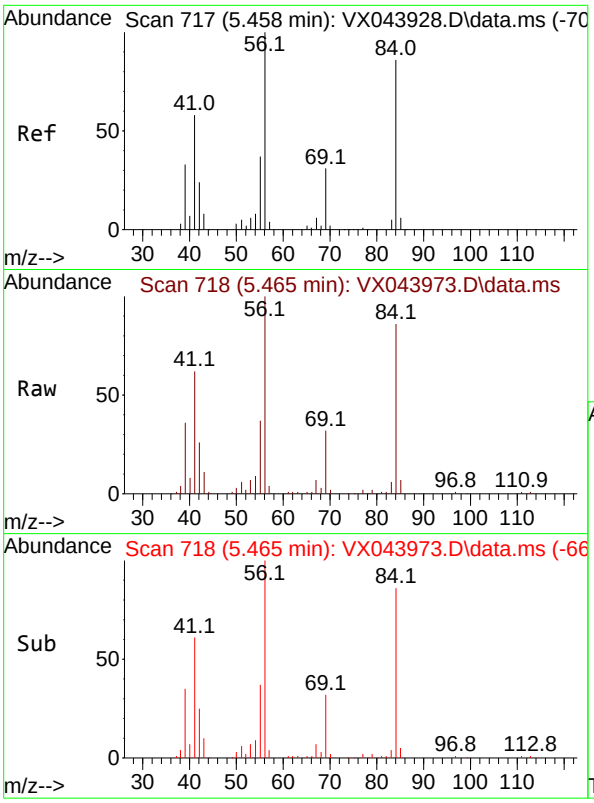




#30
Chloroform
Concen: 52.317 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 146838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.3 | 53.5 | 80.3 |



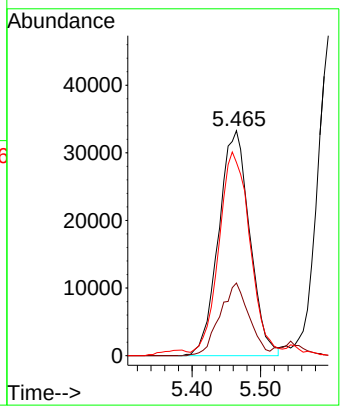


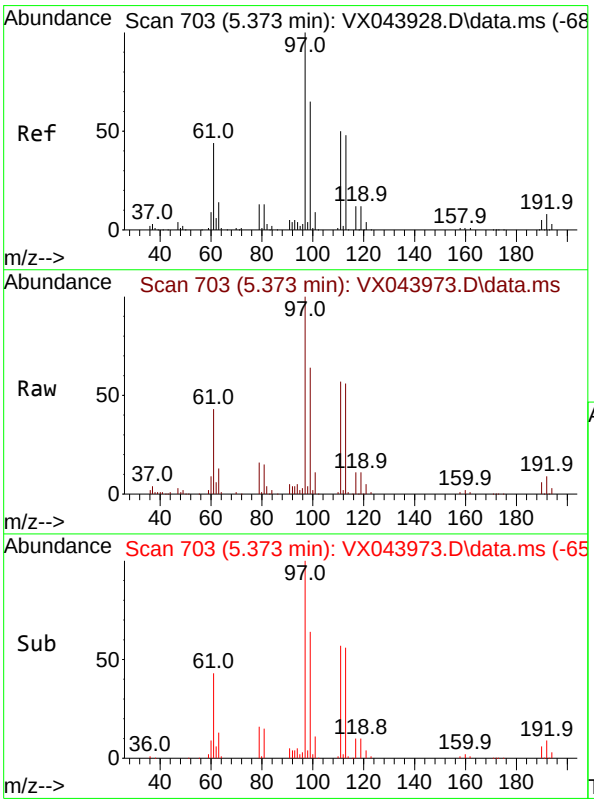

#31
Cyclohexane
Concen: 48.766 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 56 Resp: 104741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.3 | 24.7 | 37.1 |
| 84 | 83.5 | 68.7 | 103.1 |

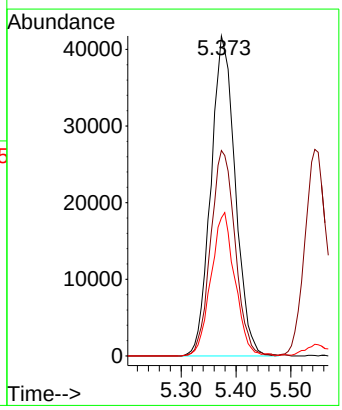


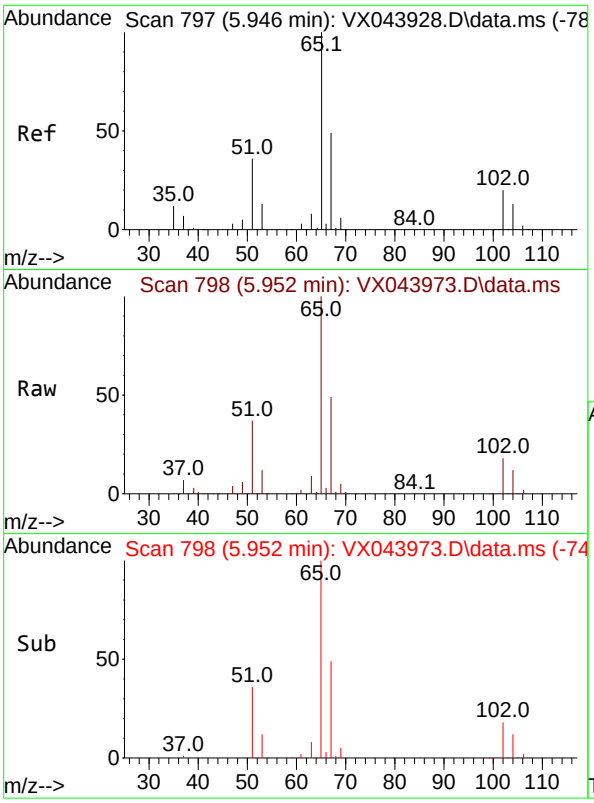




#32
1,1,1-Trichloroethane
Concen: 53.270 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 97 Resp: 128936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.5 | 50.8 | 76.2 |
| 61 | 44.0 | 35.4 | 53.2 |



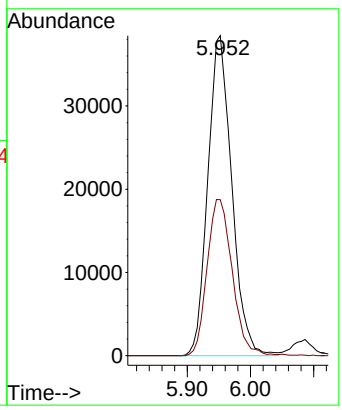


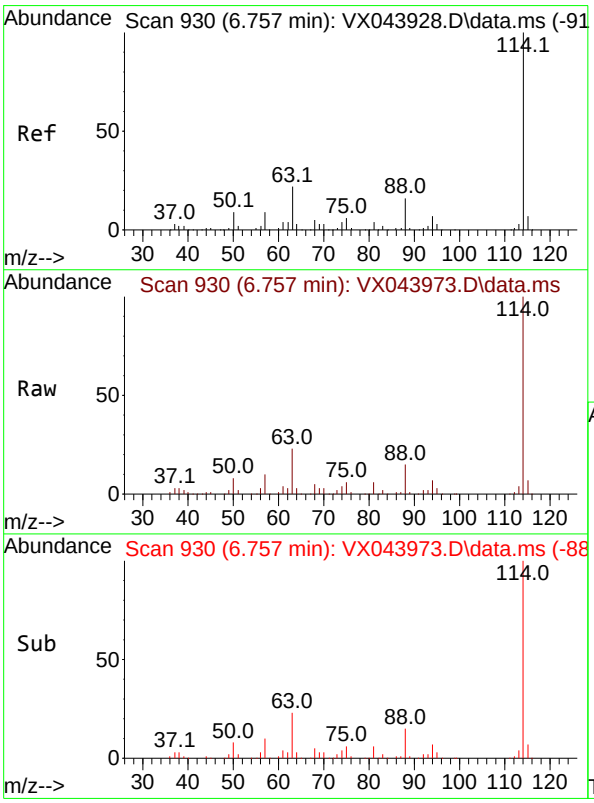

#33
1,2-Dichloroethane-d4
Concen: 52.468 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 65 Resp: 101111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 100.8 |

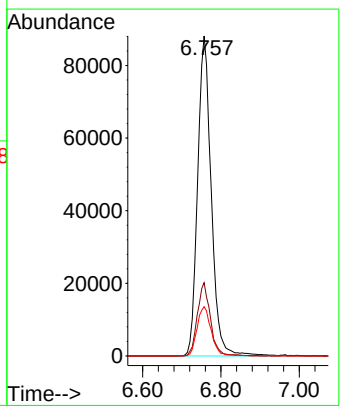


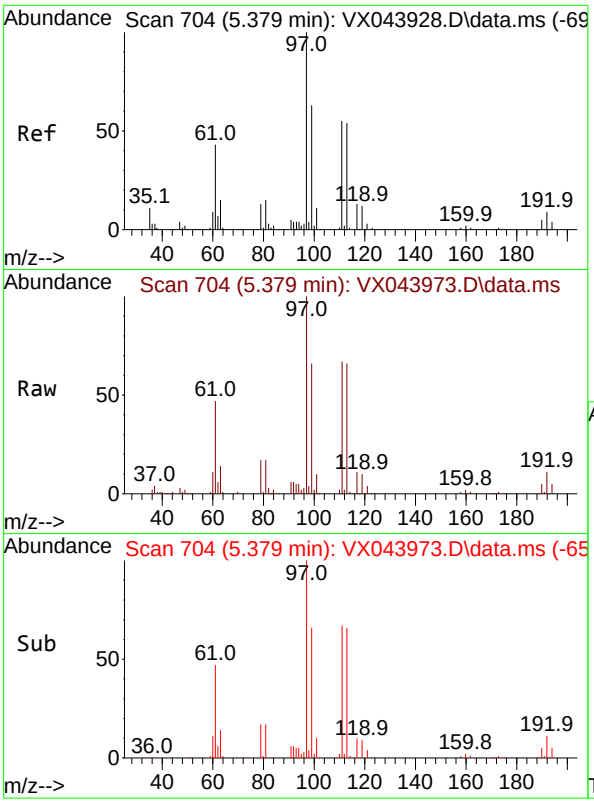




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:114 Resp: 212948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 44.0 |
| 88 | 15.4 | 0.0 | 32.4 |



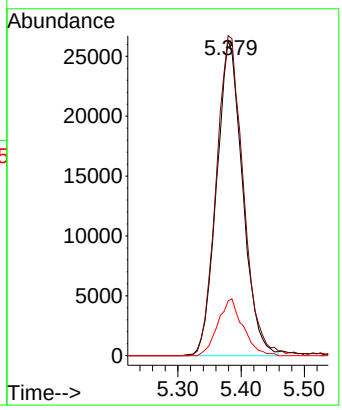


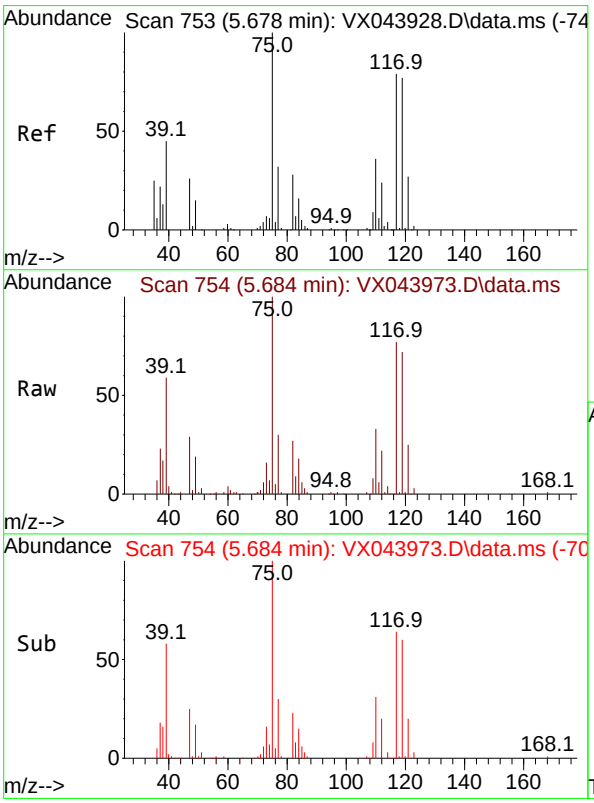

#35
Dibromofluoromethane
Concen: 49.282 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:113 Resp: 74989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.5 | 81.0 | 121.4 |
| 192 | 17.4 | 13.0 | 19.6 |

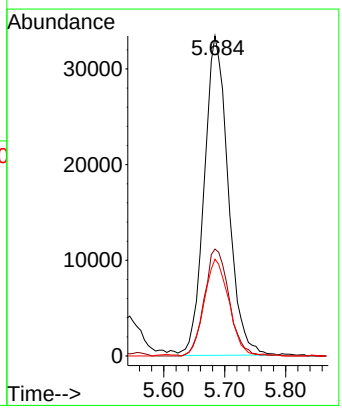


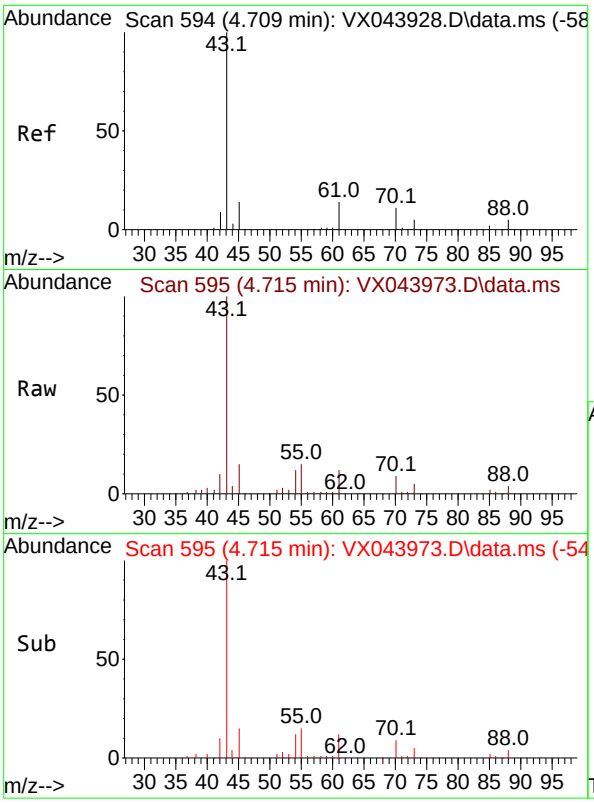




#36
1,1-Dichloropropene
Concen: 48.120 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 91242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.5 | 17.4 | 52.2 |
| 77 | 31.6 | 25.8 | 38.8 |



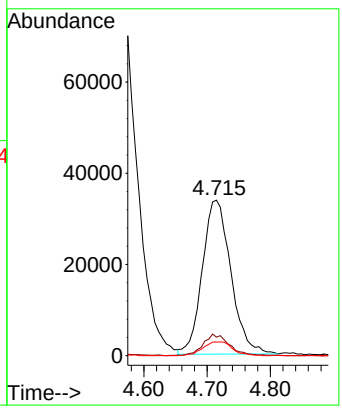


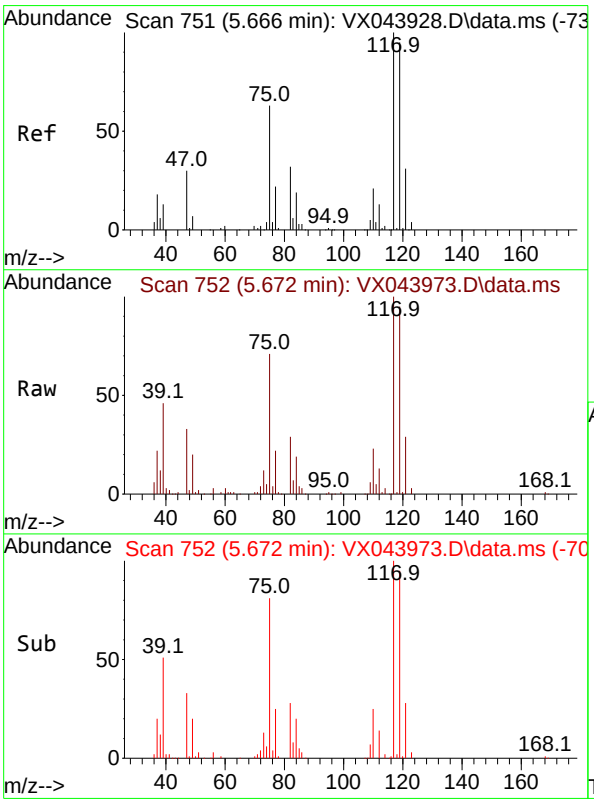

#37
Ethyl Acetate
Concen: 45.029 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 105985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.9 | 10.7 | 16.1 |
| 70 | 9.2 | 8.0 | 12.0 |

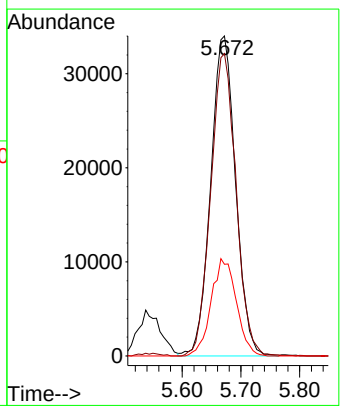


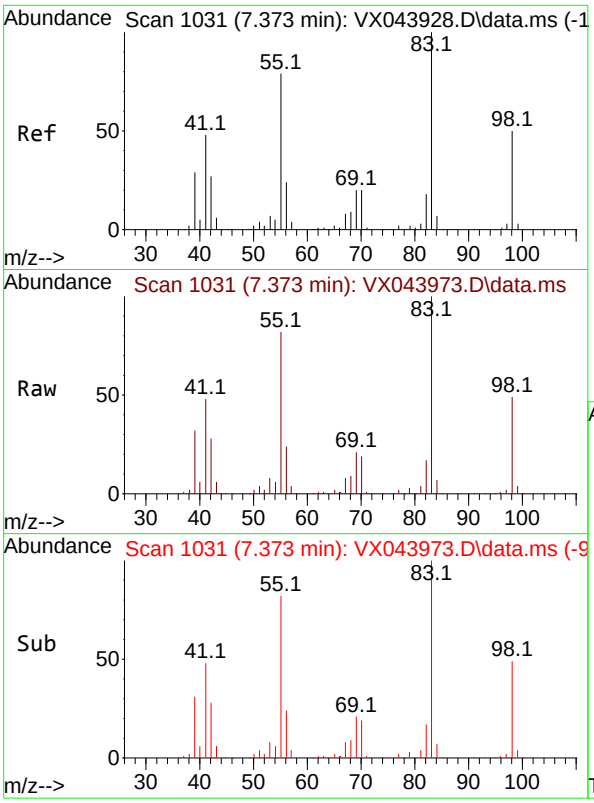




#38
Carbon Tetrachloride
Concen: 47.024 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:117 Resp: 100188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.5 | 75.2 | 112.8 |
| 121 | 28.7 | 24.5 | 36.7 |



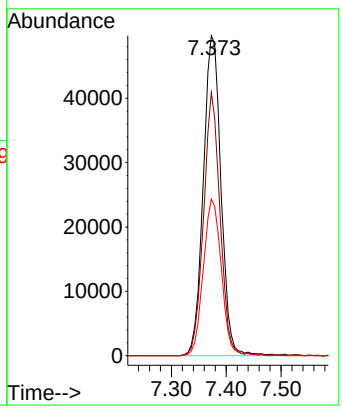


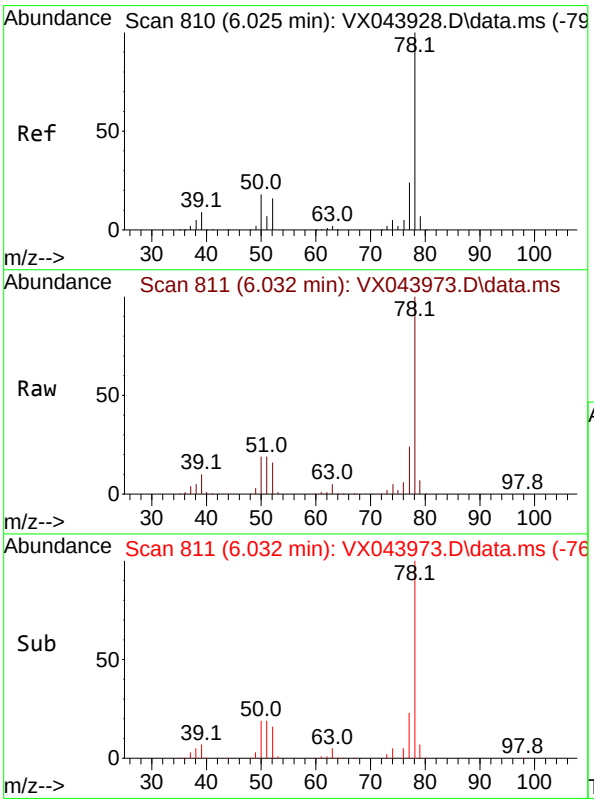

#39
Methylcyclohexane
Concen: 45.182 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 83 Resp: 111296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 82.3 | 63.1 | 94.7 |
| 98 | 49.0 | 40.0 | 60.0 |

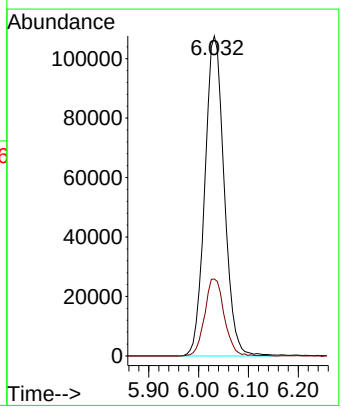


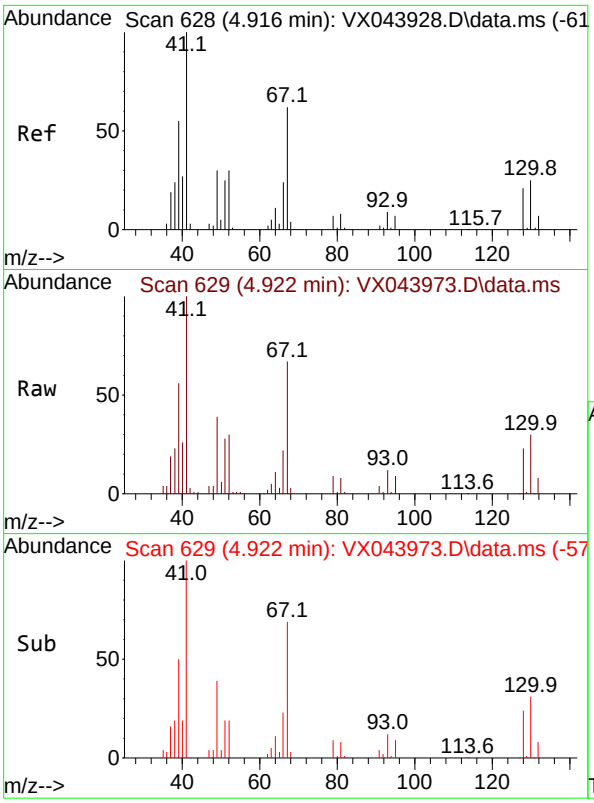




#40
Benzene
Concen: 49.068 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 78 Resp: 289813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.1 | 19.2 | 28.8 |



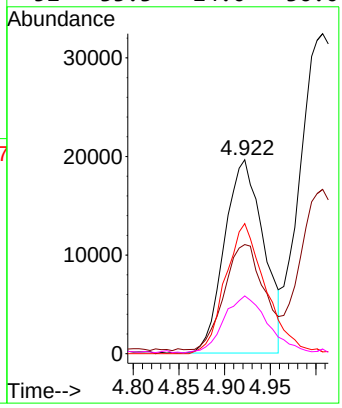


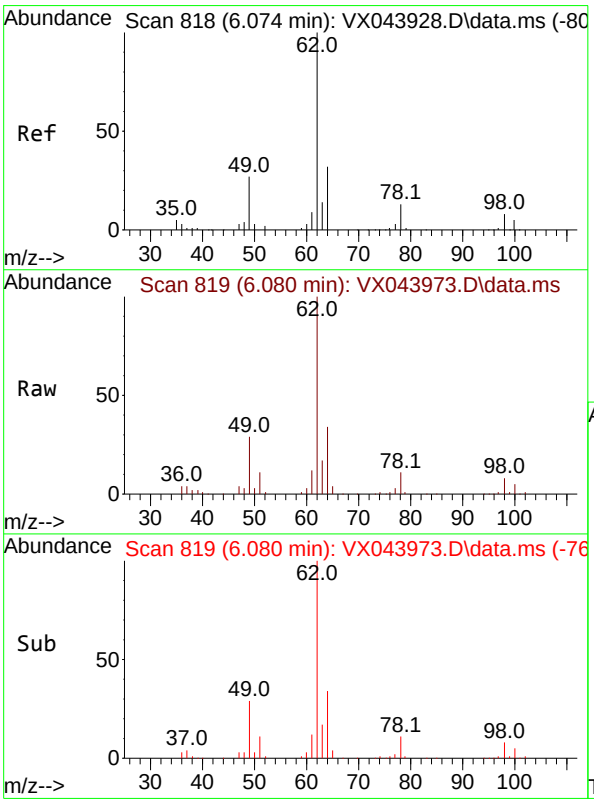

#41
Methacrylonitrile
Concen: 48.571 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 41 Resp: 58512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 41.7 | 62.5 |
| 67 | 70.1 | 55.8 | 83.8 |
| 52 | 33.3 | 24.0 | 36.0 |

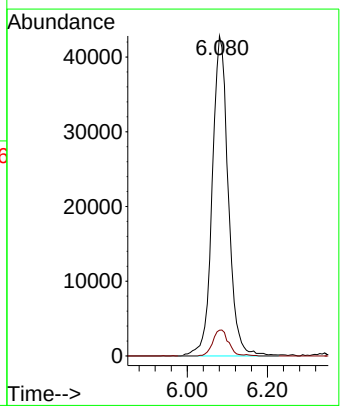


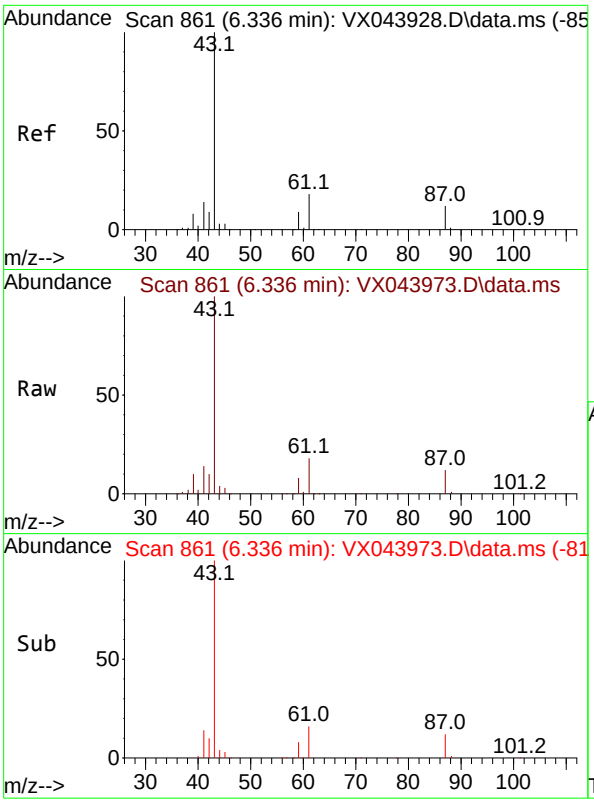




#42
1,2-Dichloroethane
Concen: 50.149 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 62 Resp: 118959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 16.4 |



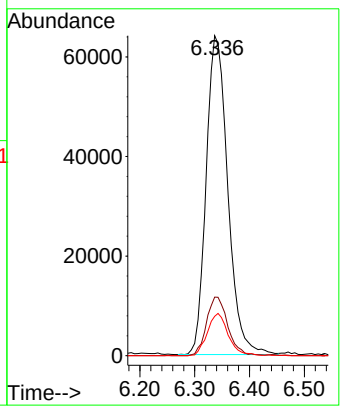


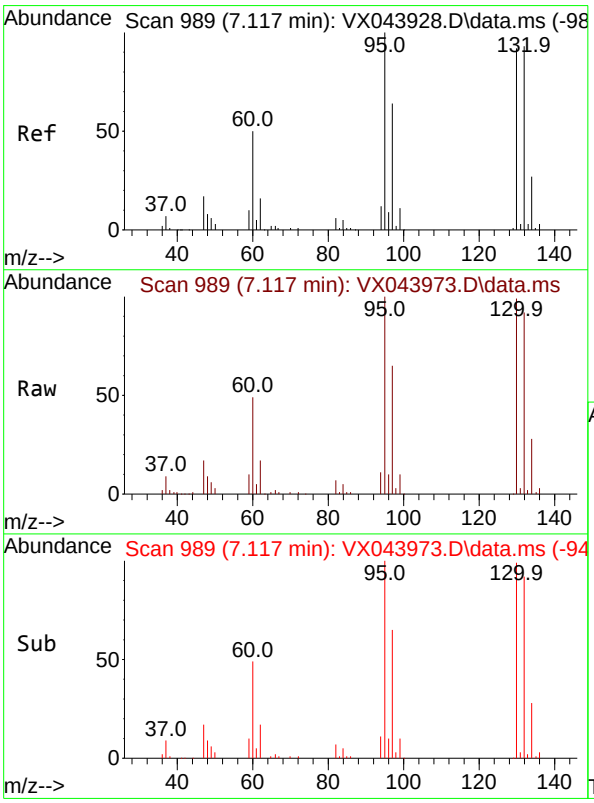

#43
Isopropyl Acetate
Concen: 46.841 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 175457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

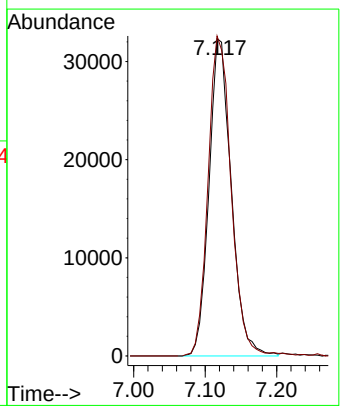


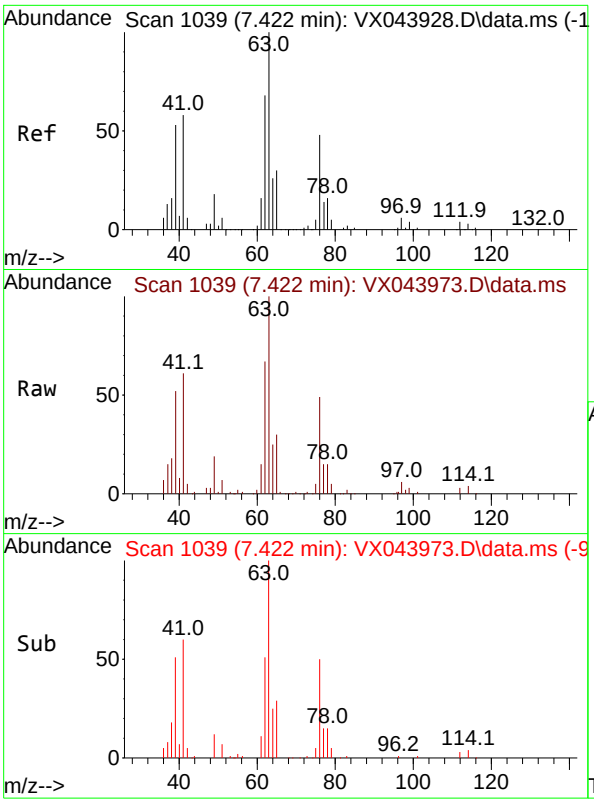




#44
Trichloroethene
Concen: 41.898 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:130 Resp: 70053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.8 | 0.0 | 217.8 |



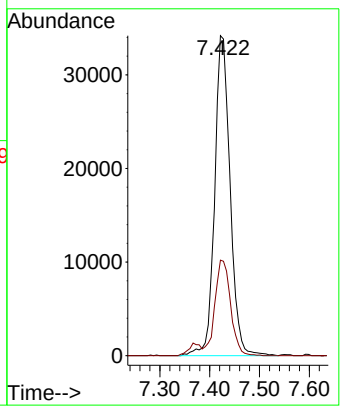


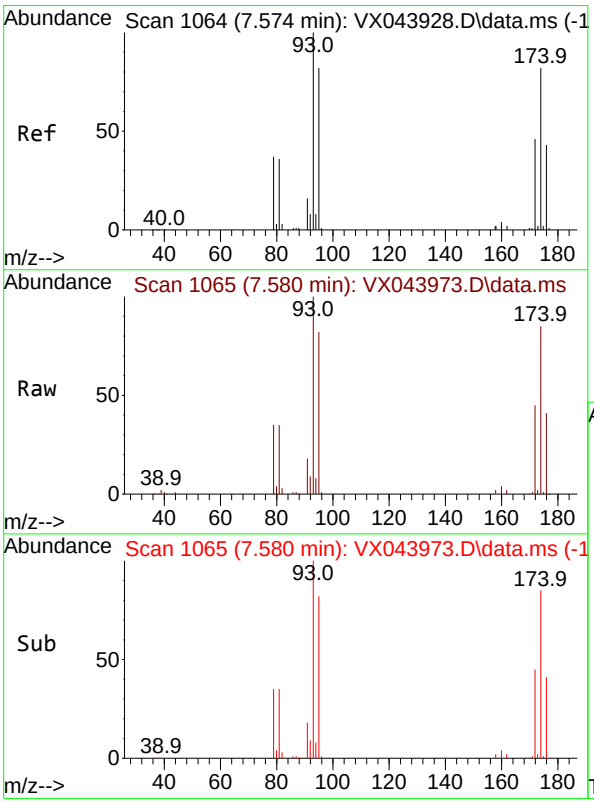

#45
1,2-Dichloropropane
Concen: 50.964 ug/l
RT: 7.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 63 Resp: 73724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 23.8 | 35.6 |

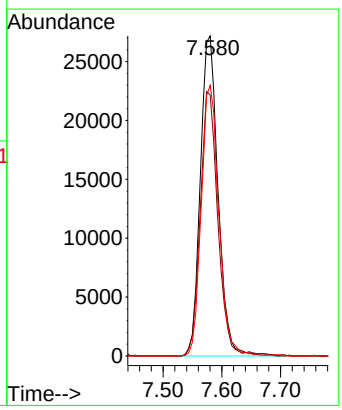


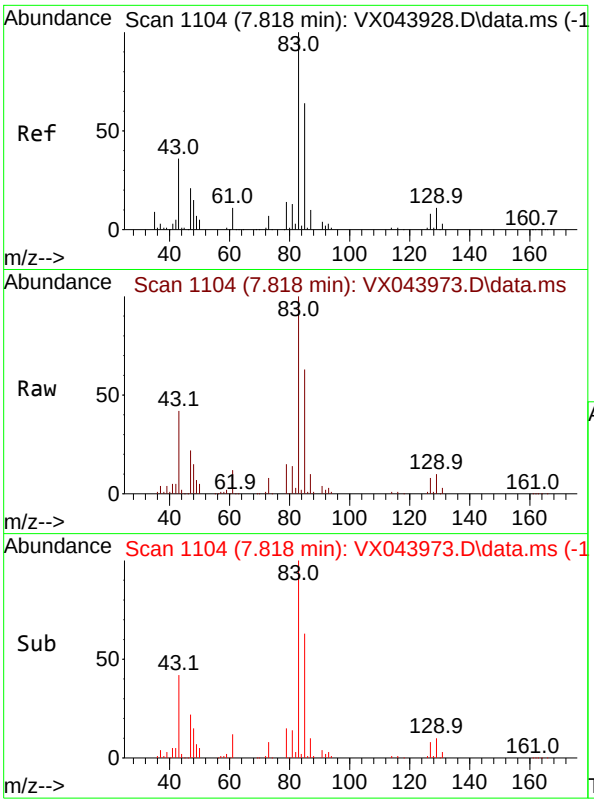




#46
Dibromomethane
Concen: 49.665 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 93 Resp: 56832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.4 | 66.2 | 99.4 |
| 174 | 83.9 | 69.6 | 104.4 |



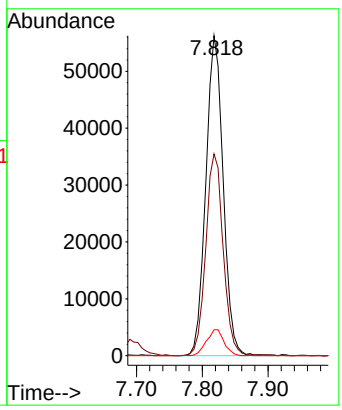


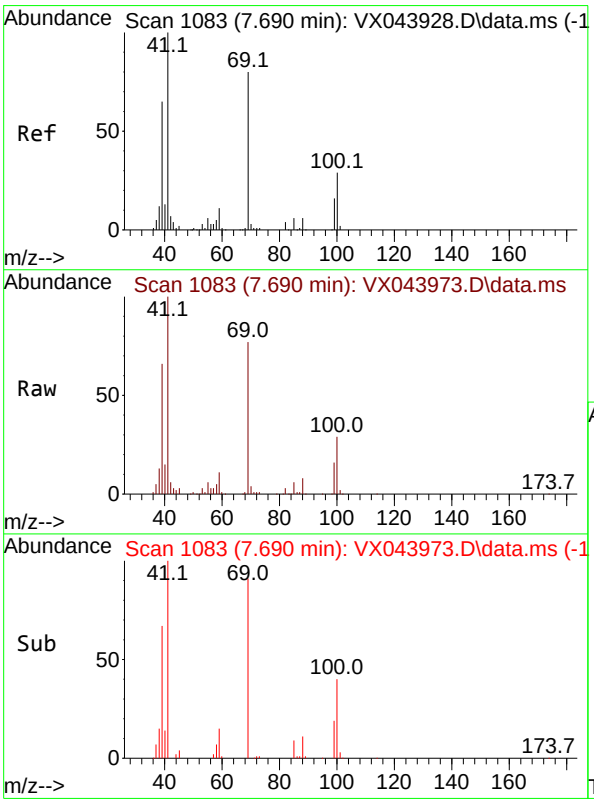

#47
Bromodichloromethane
Concen: 50.231 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 83 Resp: 103090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 51.4 | 77.0 |
| 127 | 8.1 | 6.6 | 10.0 |

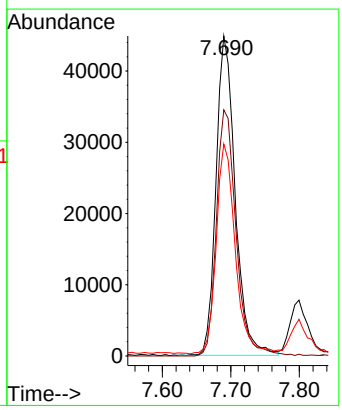


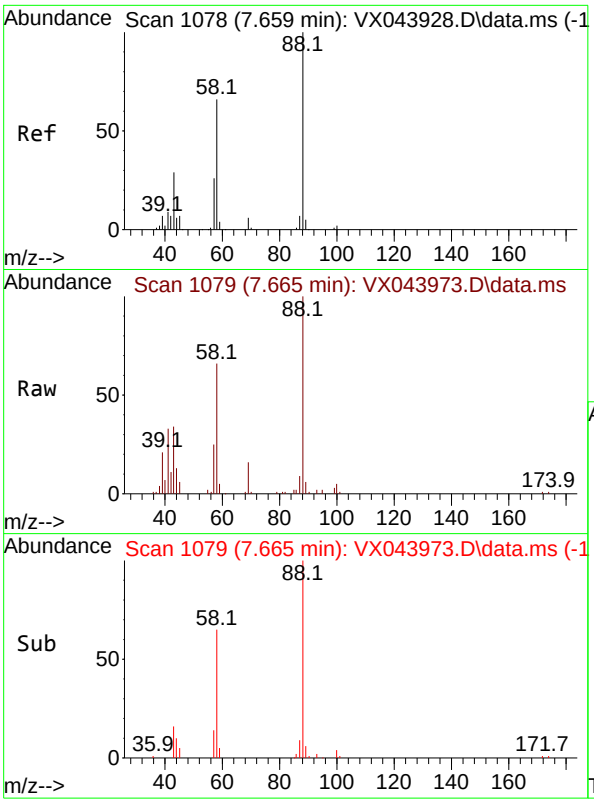




#48
Methyl methacrylate
Concen: 48.268 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 41 Resp: 86756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.3 | 64.6 | 97.0 |
| 39 | 65.2 | 53.3 | 79.9 |



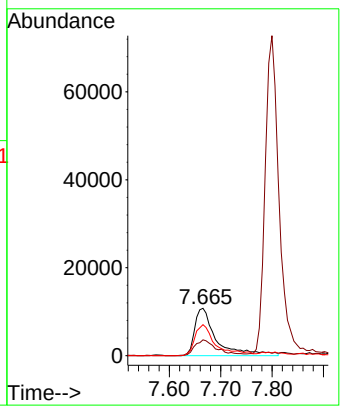


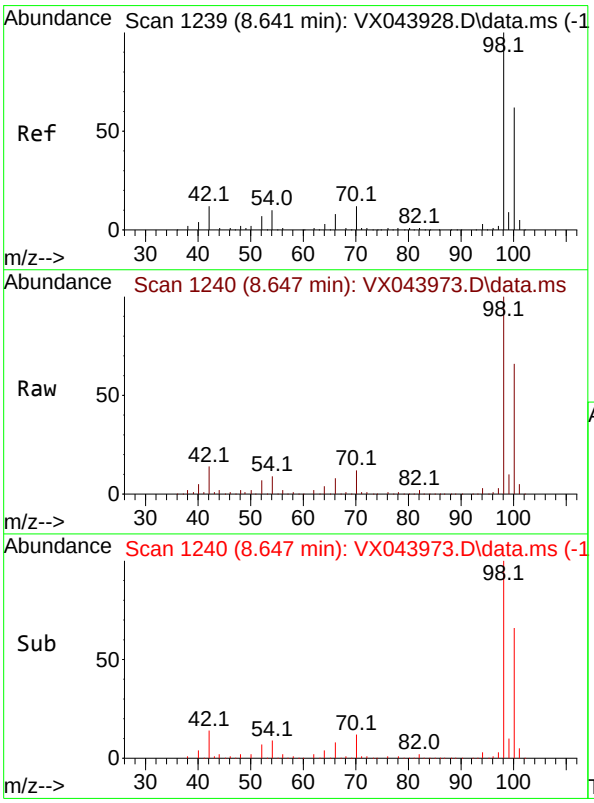

#49
1,4-Dioxane
Concen: 989.637 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 88 Resp: 31685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 34.1 | 26.8 | 40.2 |
| 58 | 63.0 | 45.4 | 68.2 |

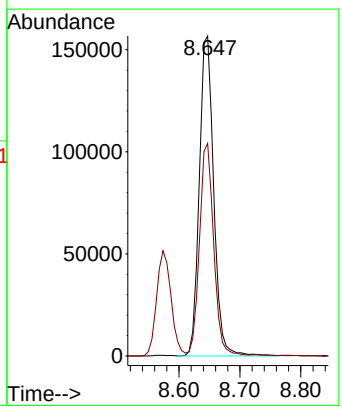


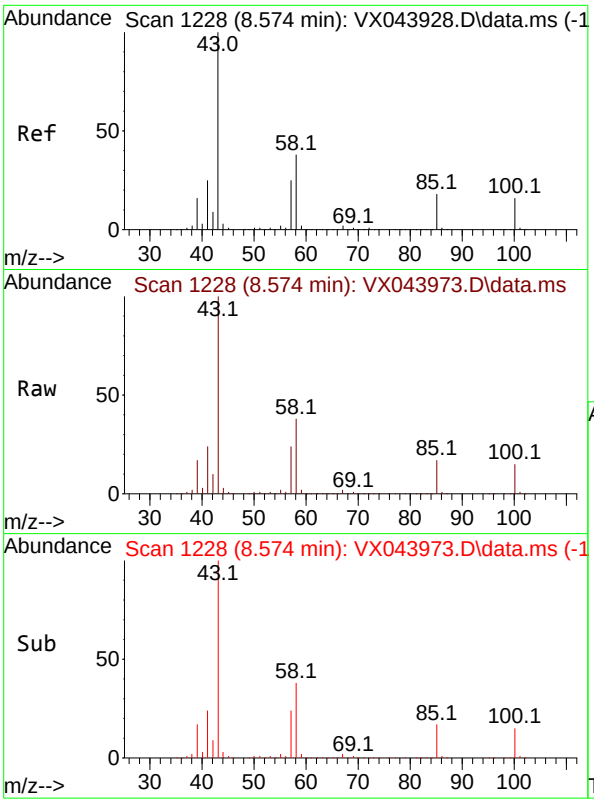




#50
Toluene-d8
Concen: 49.151 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 98 Resp: 257806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.6 | 79.0 |



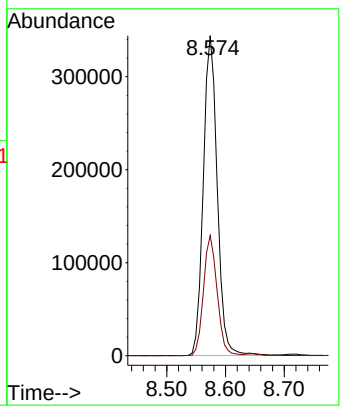


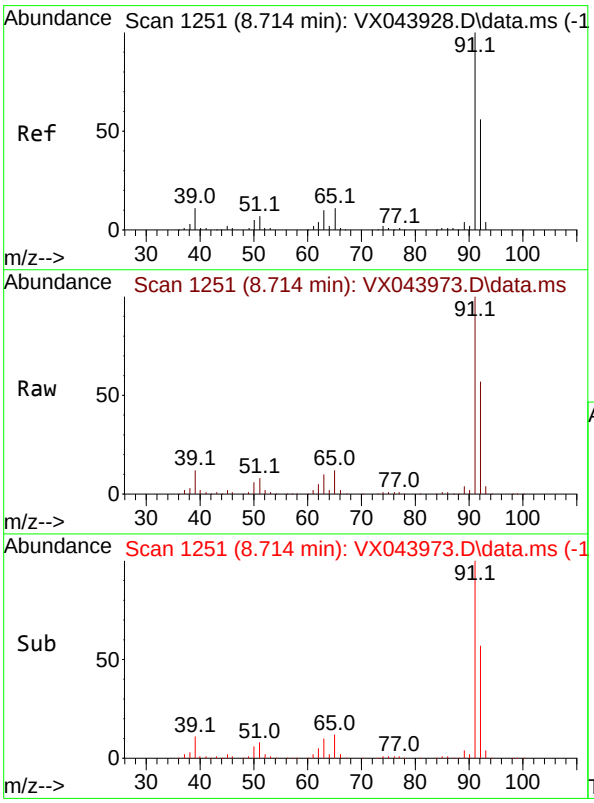

#51
4-Methyl-2-Pentanone
Concen: 248.756 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 568625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |

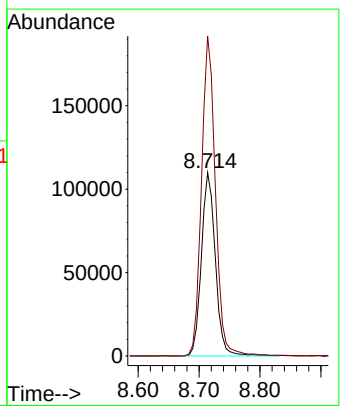


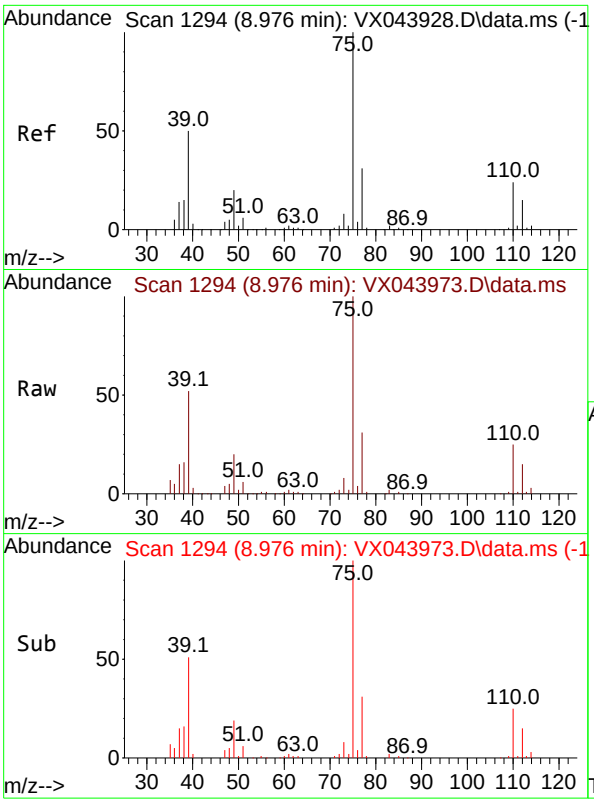




#52
Toluene
Concen: 49.553 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 92 Resp: 175174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 139.7 | 209.5 |



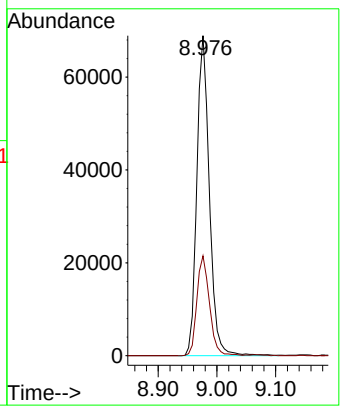


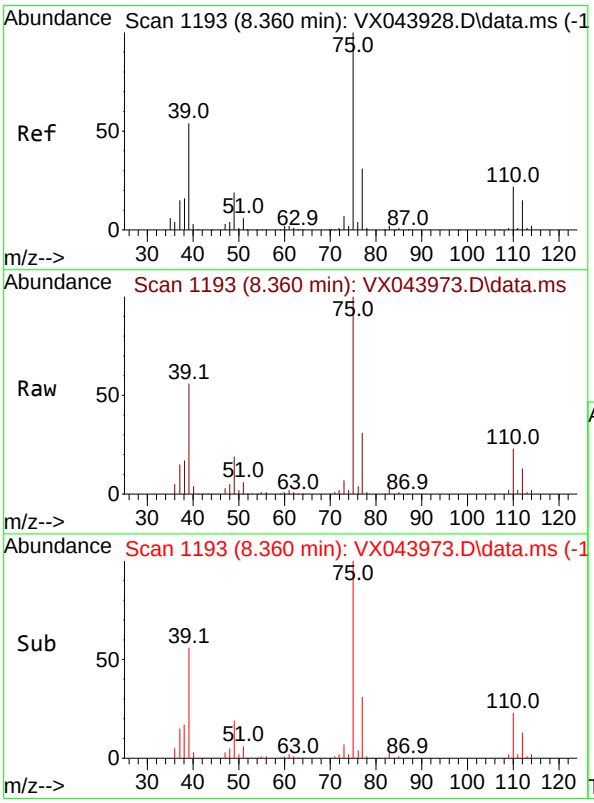

#53
t-1,3-Dichloropropene
Concen: 48.637 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 75 Resp: 101789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.2 | 25.1 | 37.7 |

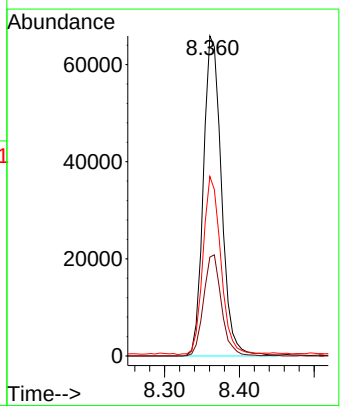


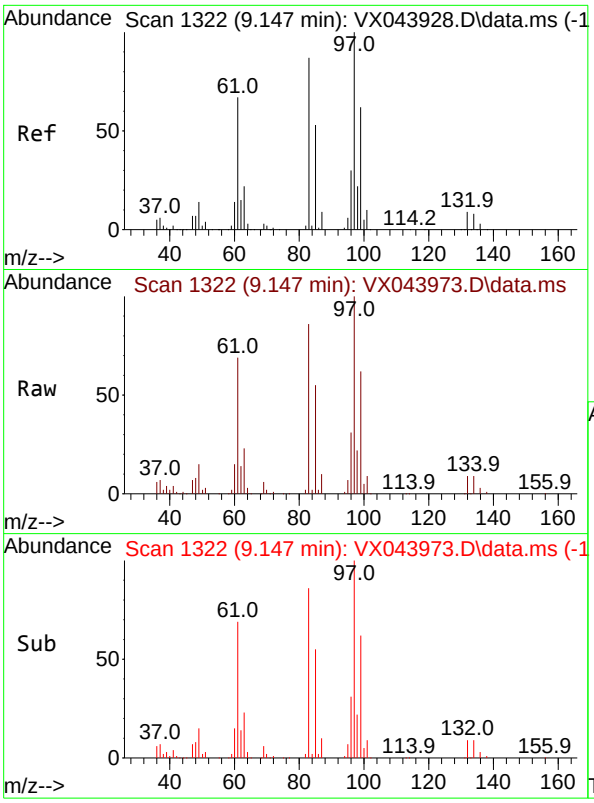




#54
cis-1,3-Dichloropropene
Concen: 48.251 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 110702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.2 | 37.8 |
| 39 | 55.6 | 43.1 | 64.7 |



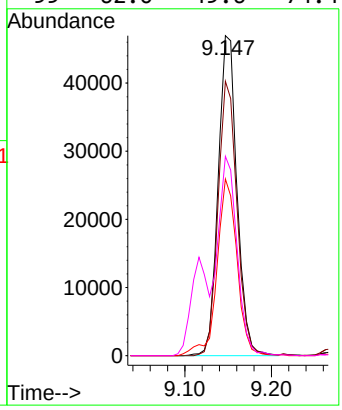


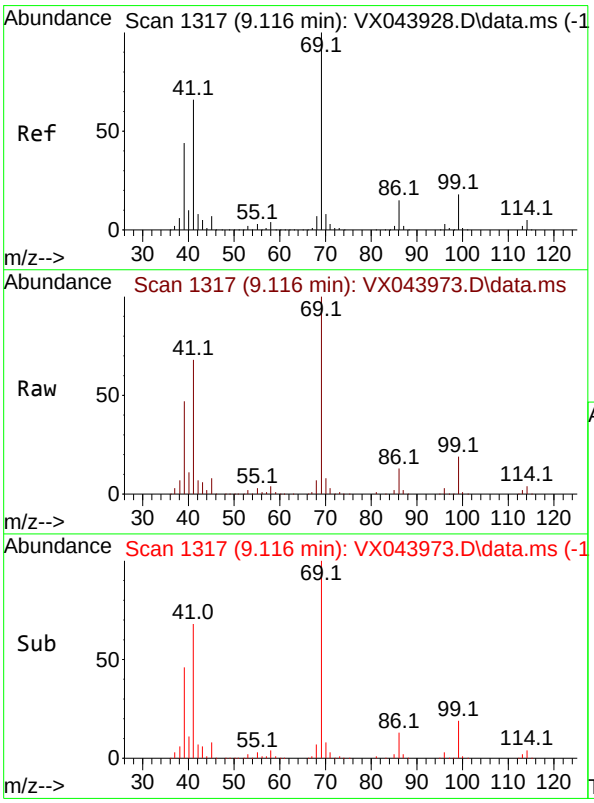

#55
1,1,2-Trichloroethane
Concen: 48.582 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 97 Resp: 70895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.8 | 69.4 | 104.0 |
| 85 | 55.2 | 42.3 | 63.5 |
| 99 | 62.0 | 49.6 | 74.4 |

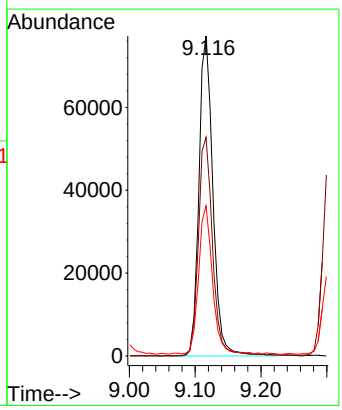


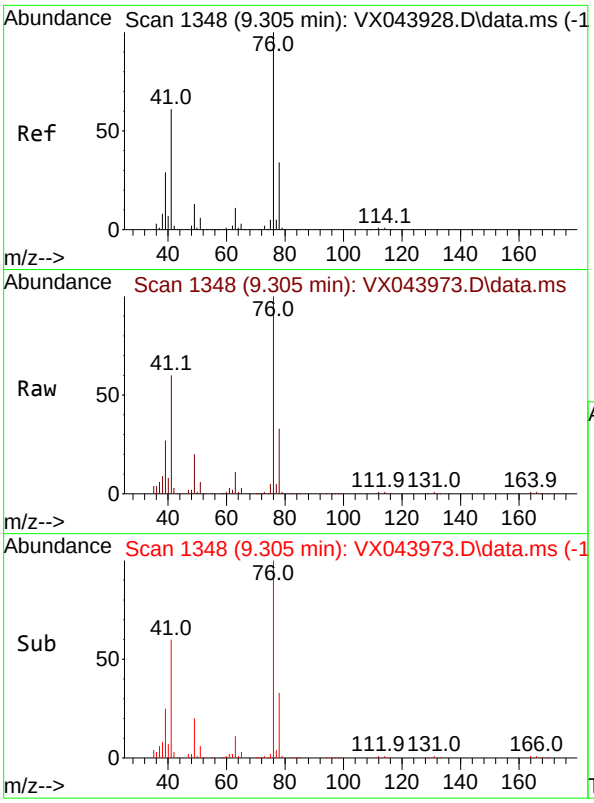




#56
Ethyl methacrylate
Concen: 50.201 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 69 Resp: 114105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.2 | 55.8 | 83.8 |
| 39 | 46.4 | 36.7 | 55.1 |



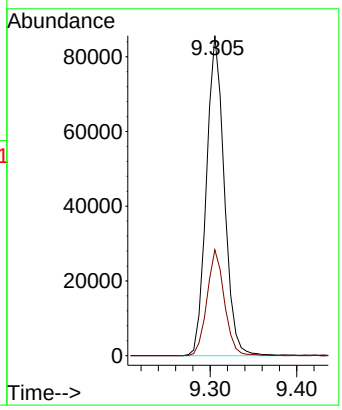


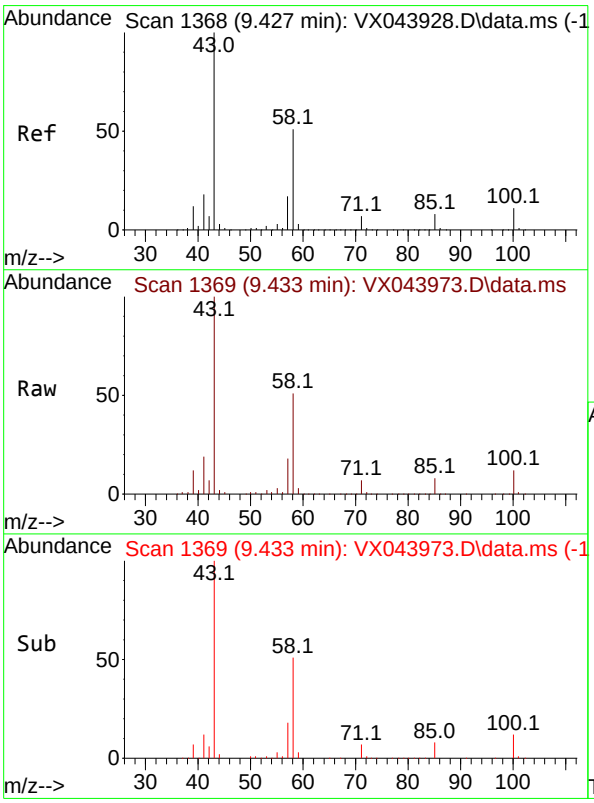

#57
1,3-Dichloropropane
Concen: 49.804 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 76 Resp: 122428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.0 | 39.0 |

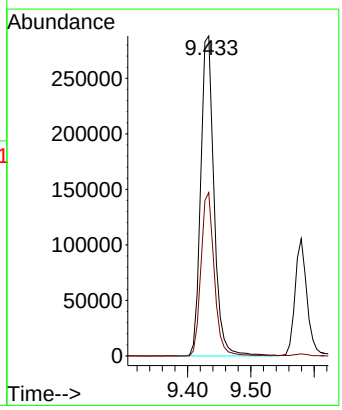


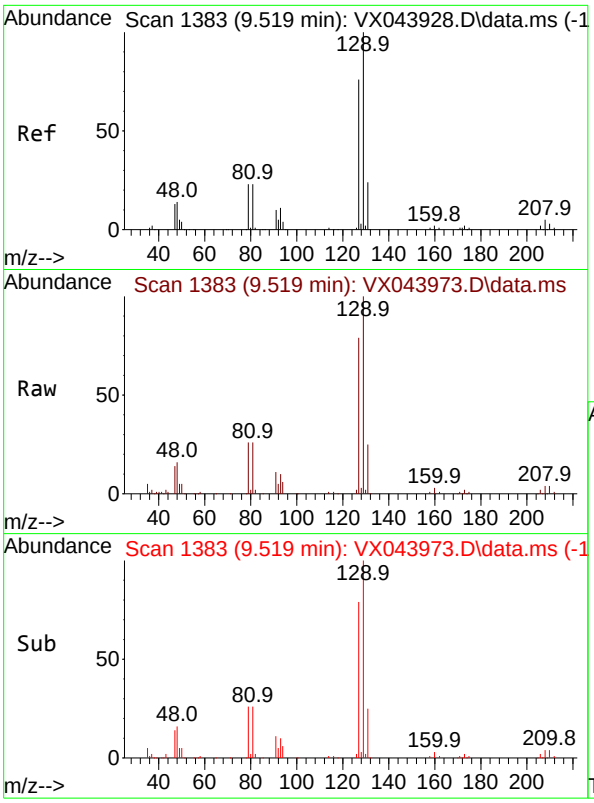




#59
2-Hexanone
Concen: 246.123 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 43 Resp: 422869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.0 | 25.9 | 77.6 |



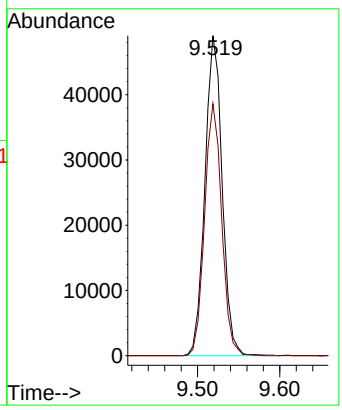


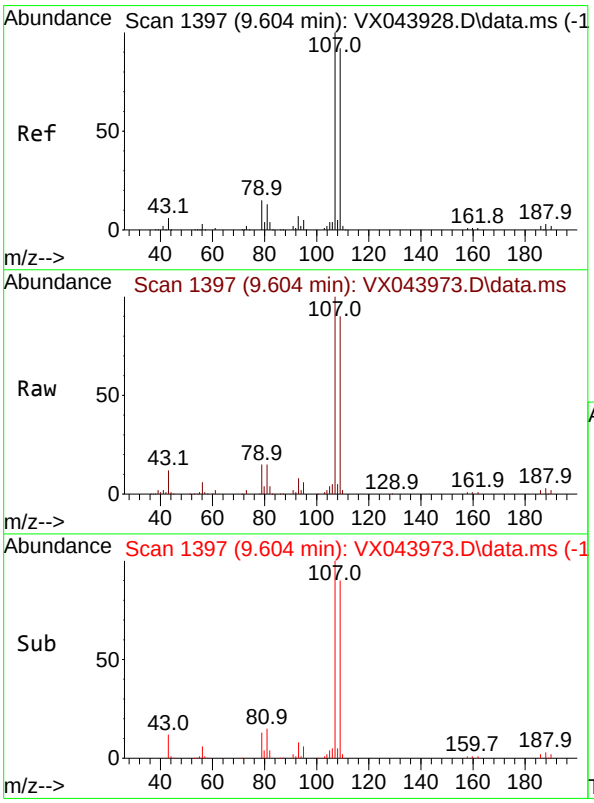

#60
Dibromochloromethane
Concen: 48.720 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:129 Resp: 71333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.1 | 38.2 | 114.6 |

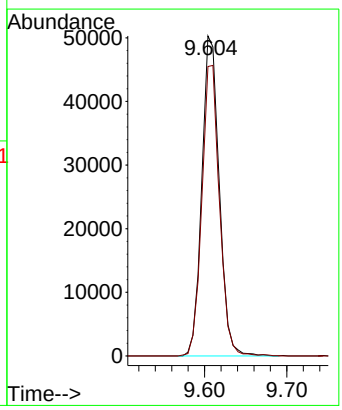


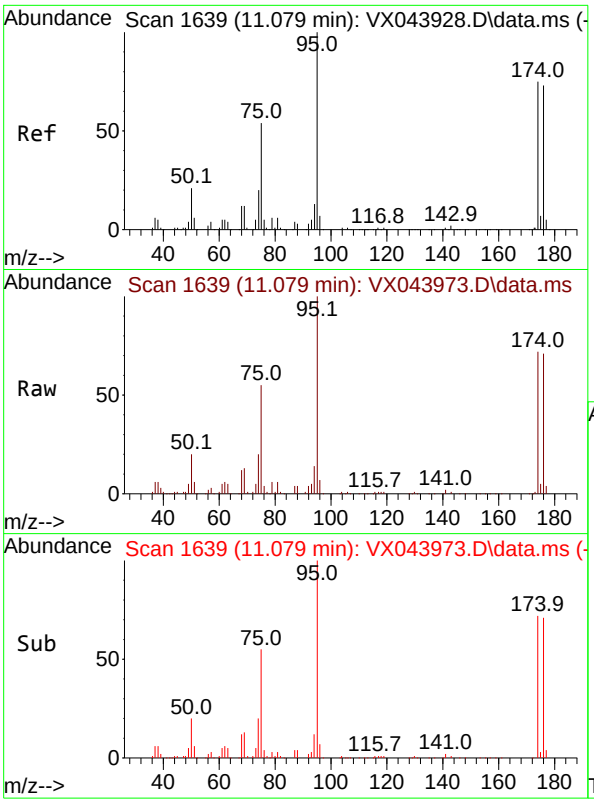




#61
1,2-Dibromoethane
Concen: 50.254 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:107 Resp: 74152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.9 | 75.2 | 112.8 |



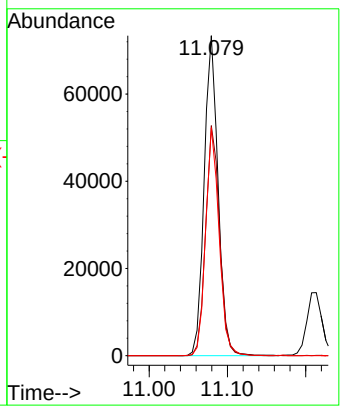


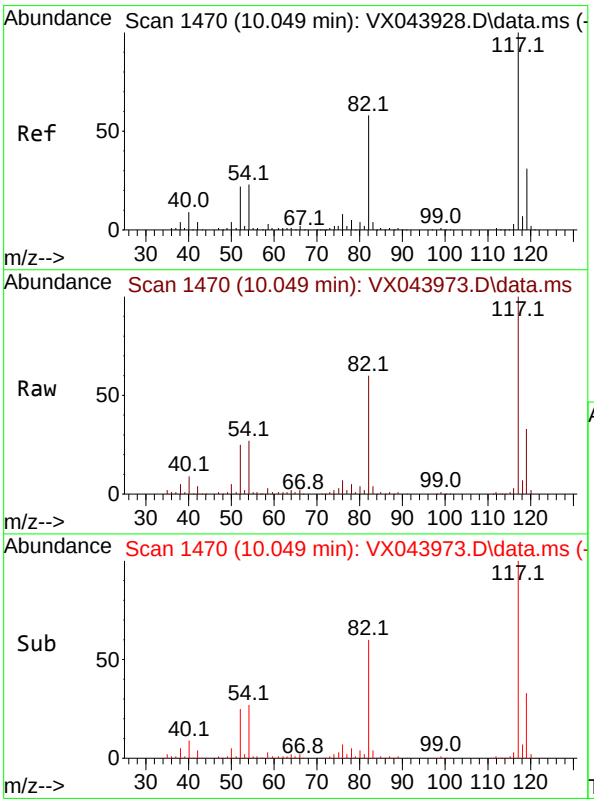

#62
4-Bromofluorobenzene
Concen: 50.460 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 95 Resp: 90075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.6 | 0.0 | 150.4 |
| 176 | 69.1 | 0.0 | 146.0 |

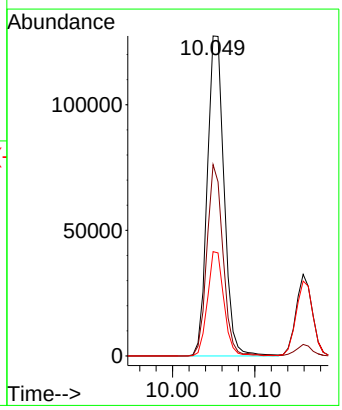


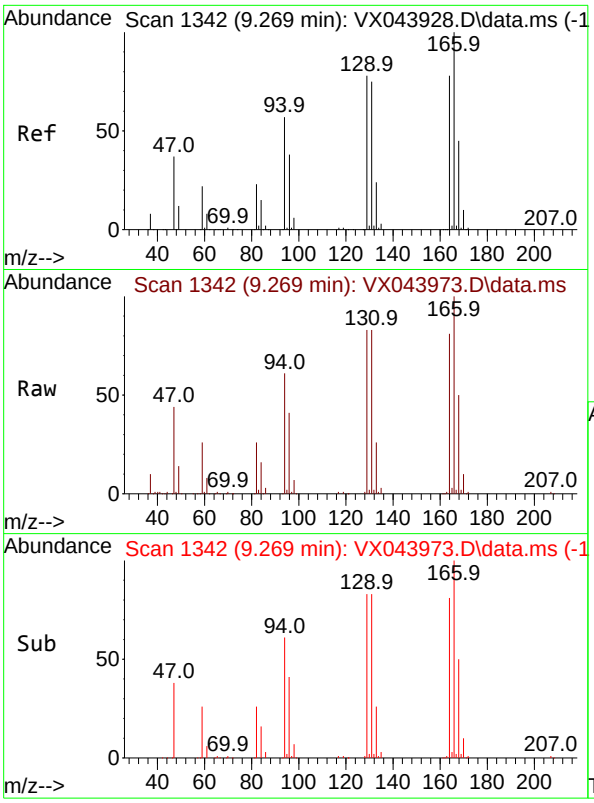




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:117 Resp: 180718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 46.4 | 69.6 |
| 119 | 32.6 | 24.6 | 37.0 |



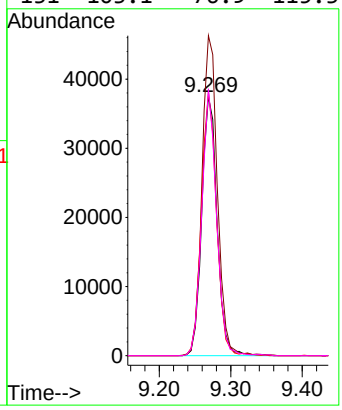


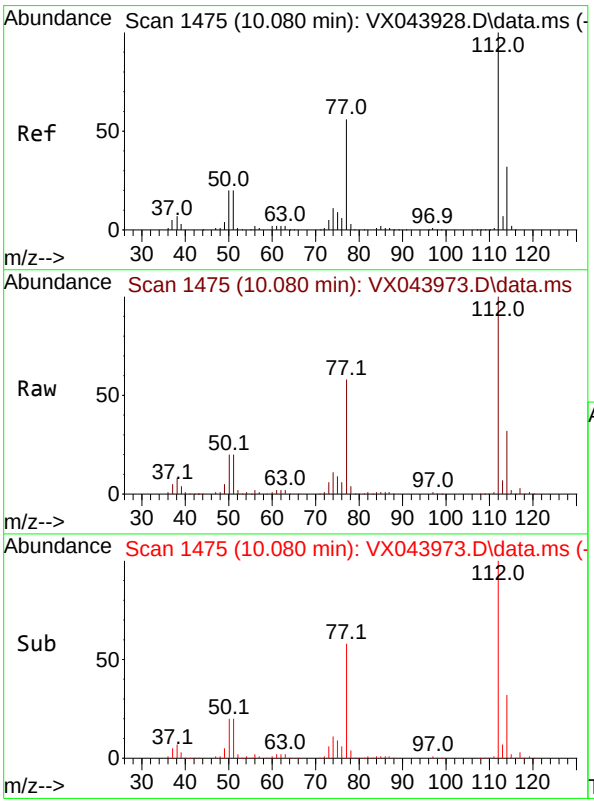

#64
Tetrachloroethene
Concen: 46.762 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:164 Resp: 55723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.6 | 102.1 | 153.1 |
| 129 | 101.9 | 79.6 | 119.4 |
| 131 | 103.1 | 76.9 | 115.3 |

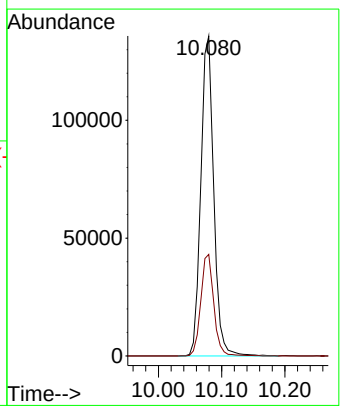


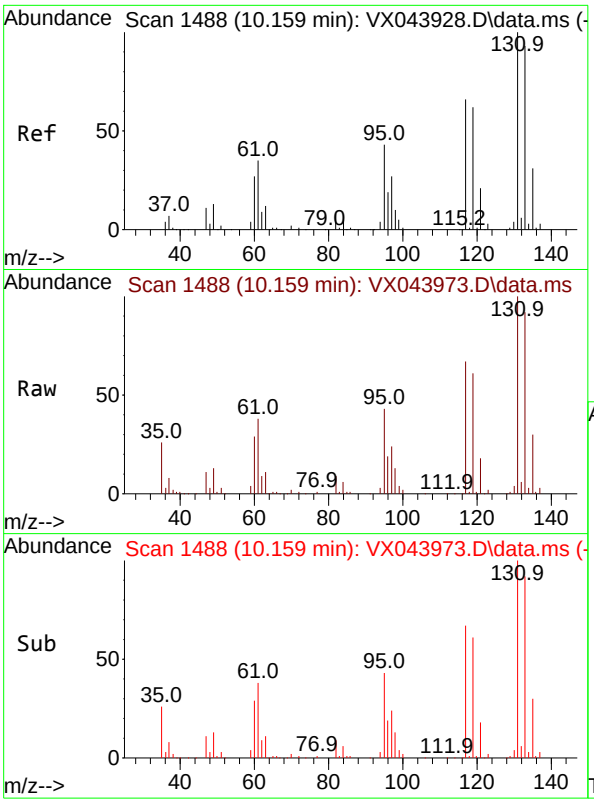




#65
Chlorobenzene
Concen: 48.612 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:112 Resp: 192945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.4 | 38.0 |



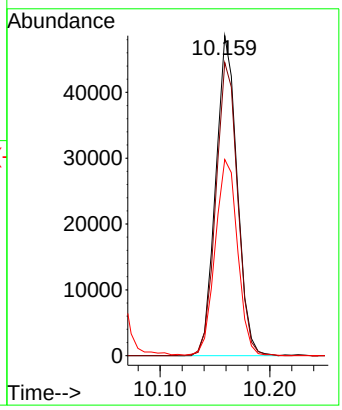


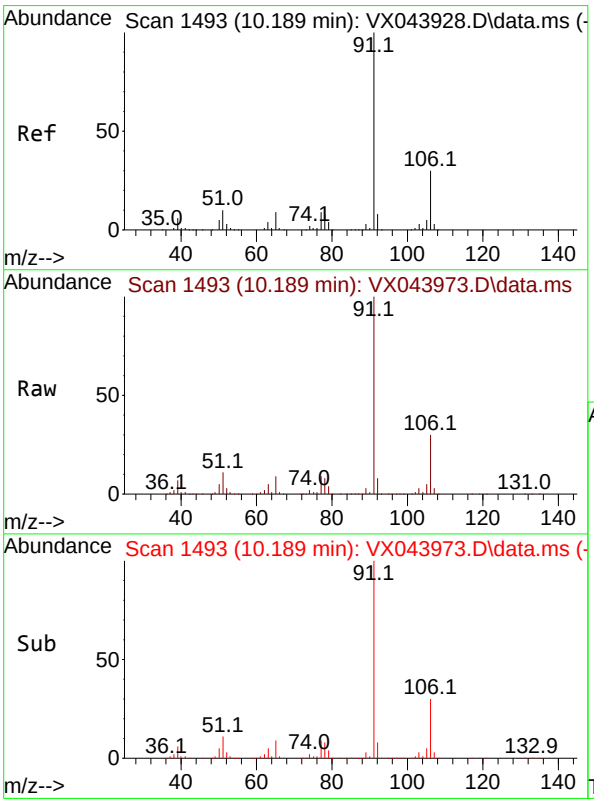

#66
1,1,1,2-Tetrachloroethane
Concen: 51.300 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:131 Resp: 66035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 92.9 | 48.2 | 144.6 |
| 119 | 64.3 | 31.5 | 94.5 |

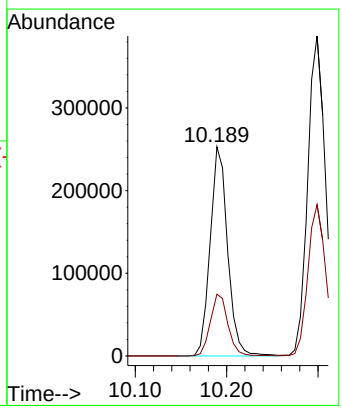


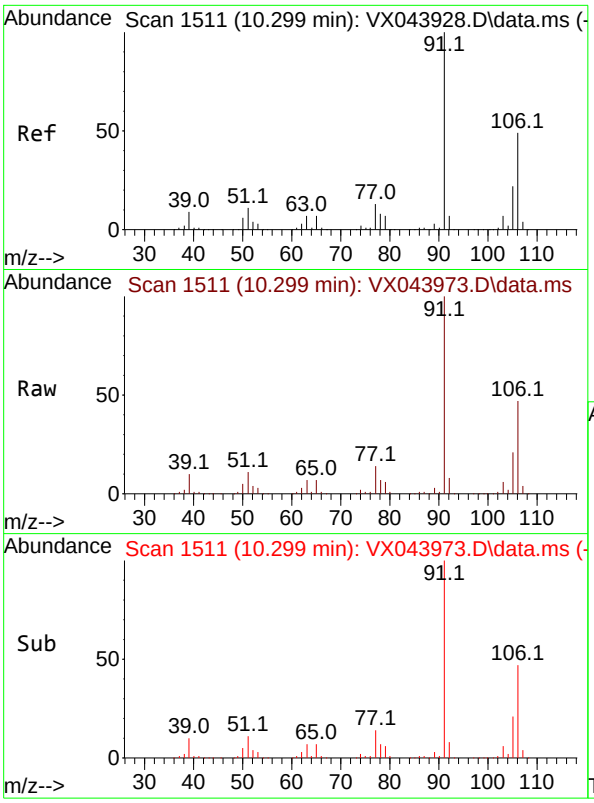




#67
Ethyl Benzene
Concen: 50.003 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 336300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.5 | 23.6 | 35.4 |



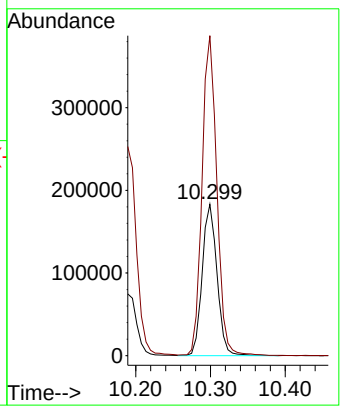


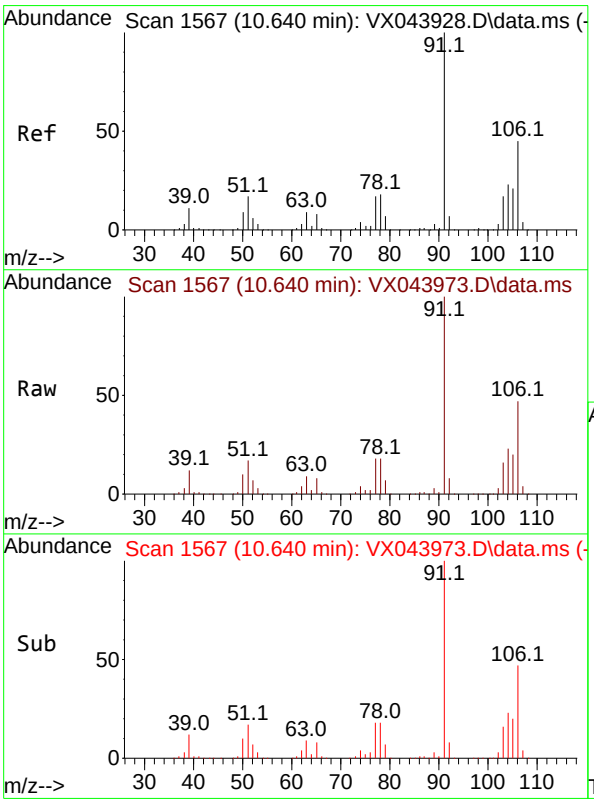

#68
m/p-Xylenes
Concen: 100.388 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:106 Resp: 251786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.3 | 168.1 | 252.1 |

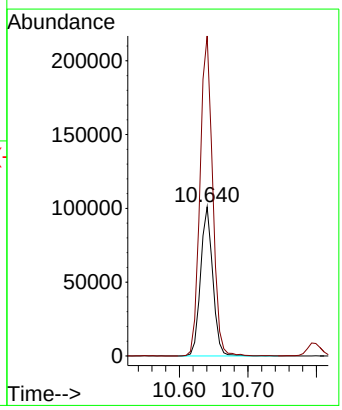


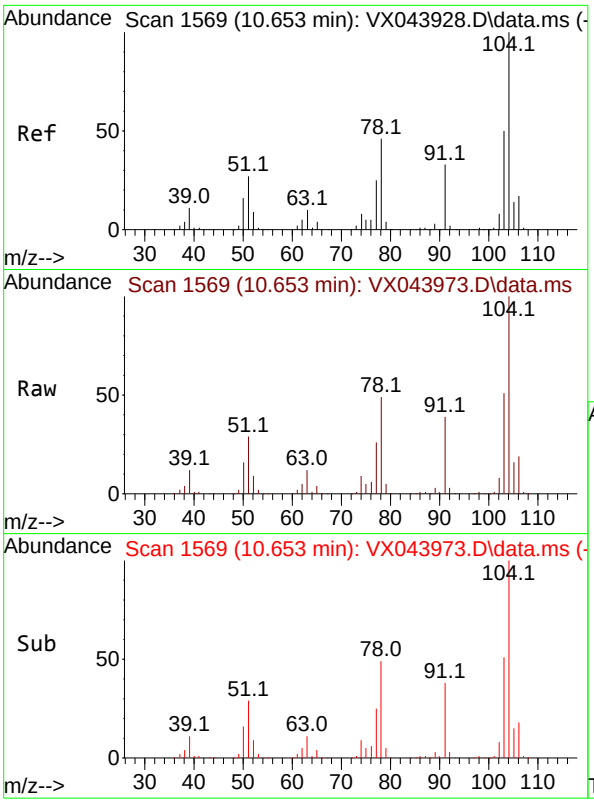




#69
o-Xylene
Concen: 51.057 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:106 Resp: 125030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.8 | 110.2 | 330.6 |



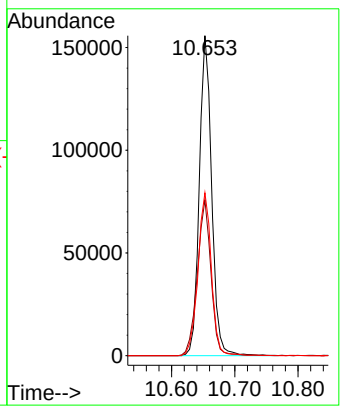


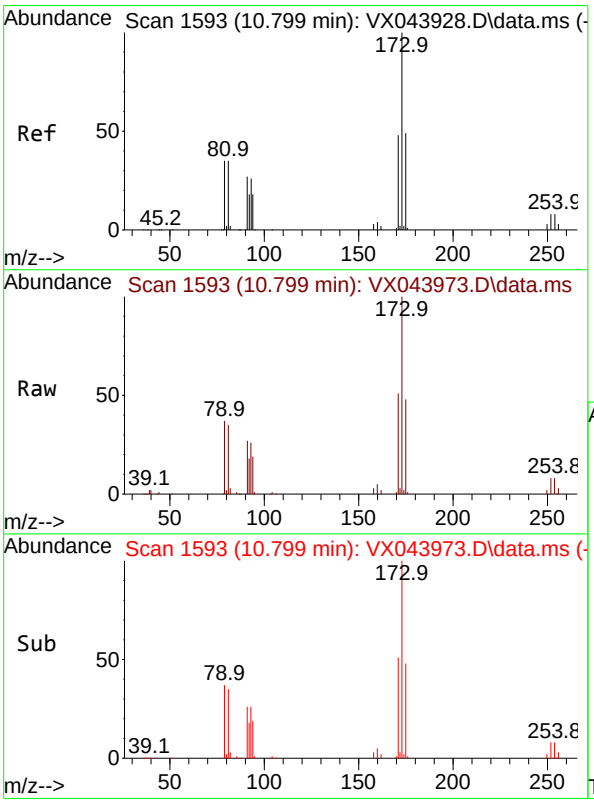

#70
Styrene
Concen: 52.376 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:104 Resp: 212135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.3 | 44.7 | 67.1 |

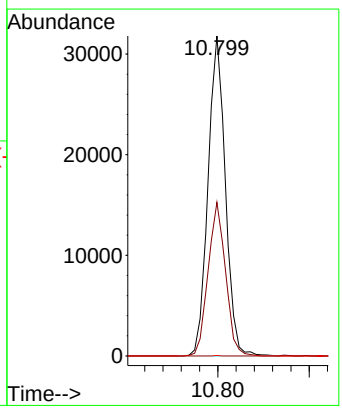


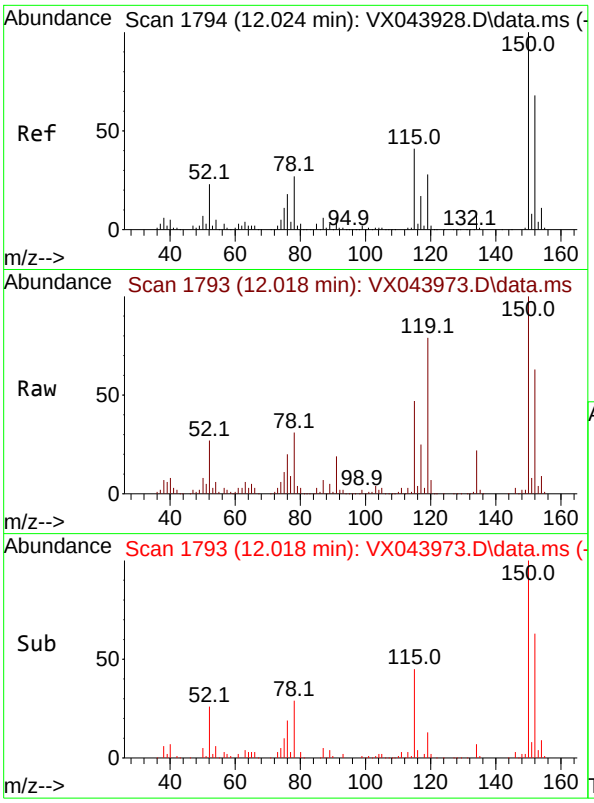




#71
Bromoform
Concen: 43.146 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:173 Resp: 41719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0# |



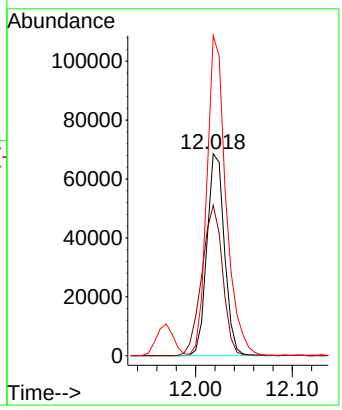


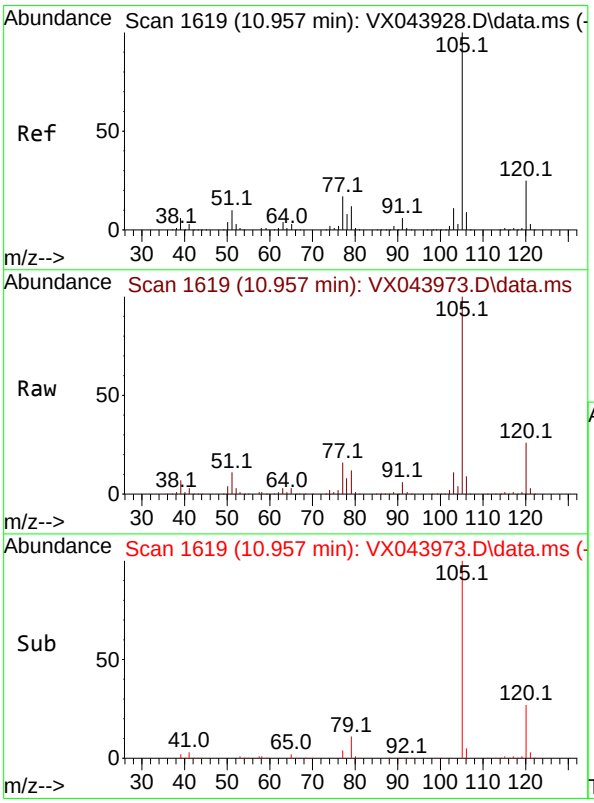

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:152 Resp: 86103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.6 | 45.4 | 136.2 |
| 150 | 172.2 | 0.0 | 353.0 |

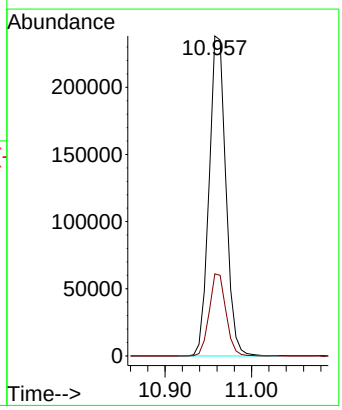


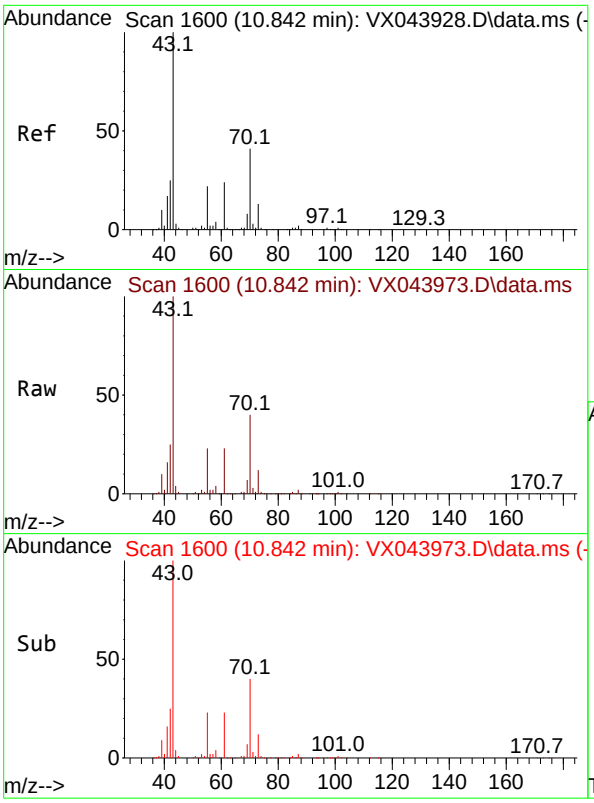




#73
Isopropylbenzene
Concen: 48.434 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 320568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.5 | 13.0 | 38.9 |



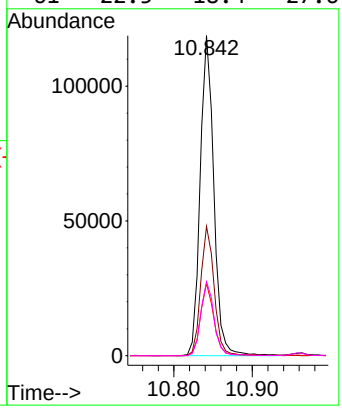


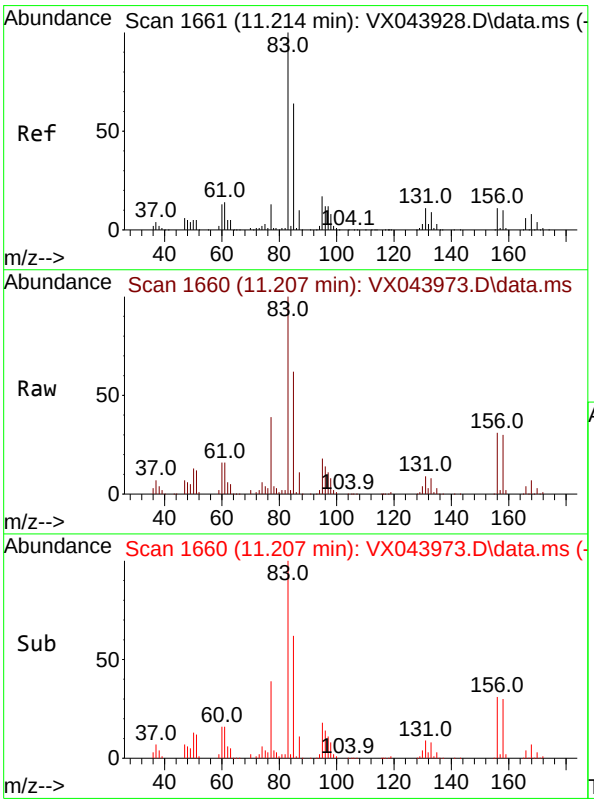

#74
N-amyl acetate
Concen: 46.852 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 43 Resp: 143653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.0 | 32.2 | 48.2 |
| 55 | 22.2 | 18.1 | 27.1 |
| 61 | 22.5 | 18.4 | 27.6 |

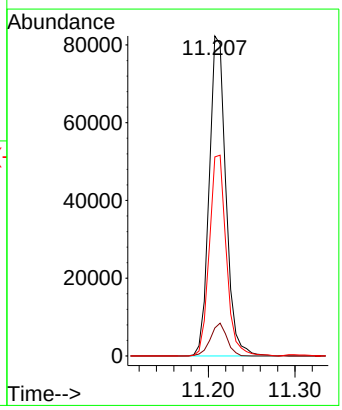


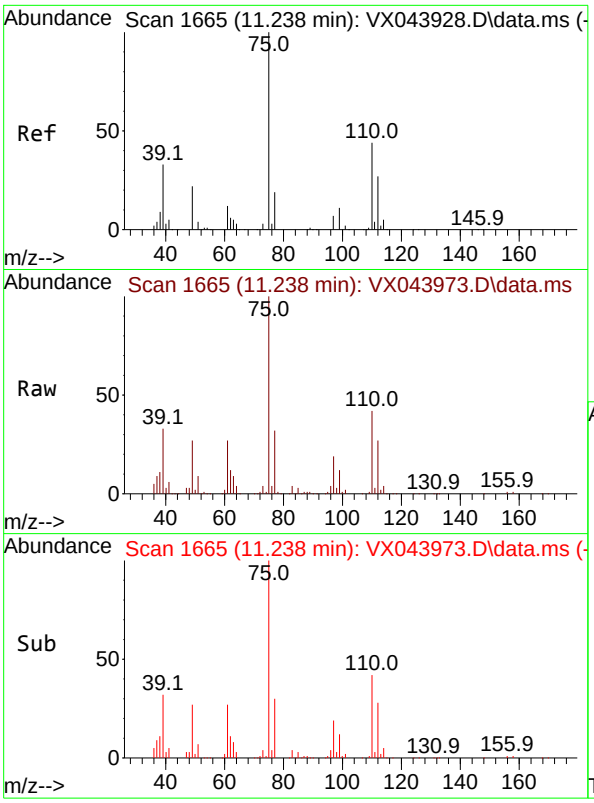




#75
1,1,2,2-Tetrachloroethane
Concen: 48.602 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 83 Resp: 110147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.2 | 5.1 | 15.2 |
| 85 | 63.7 | 32.2 | 96.6 |



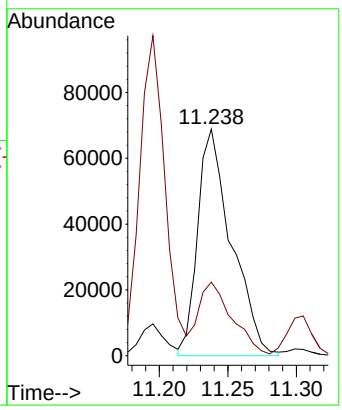


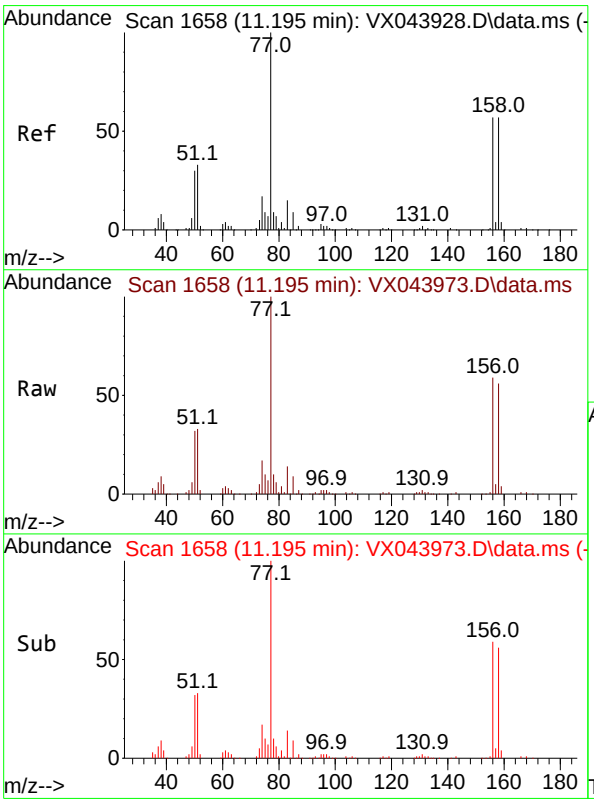

#76
1,2,3-Trichloropropane
Concen: 62.691 ug/l
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 75 Resp: 118375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 21.8 | 65.3 |

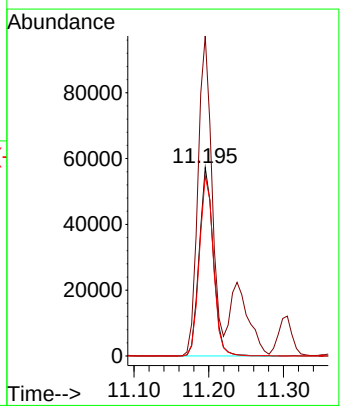


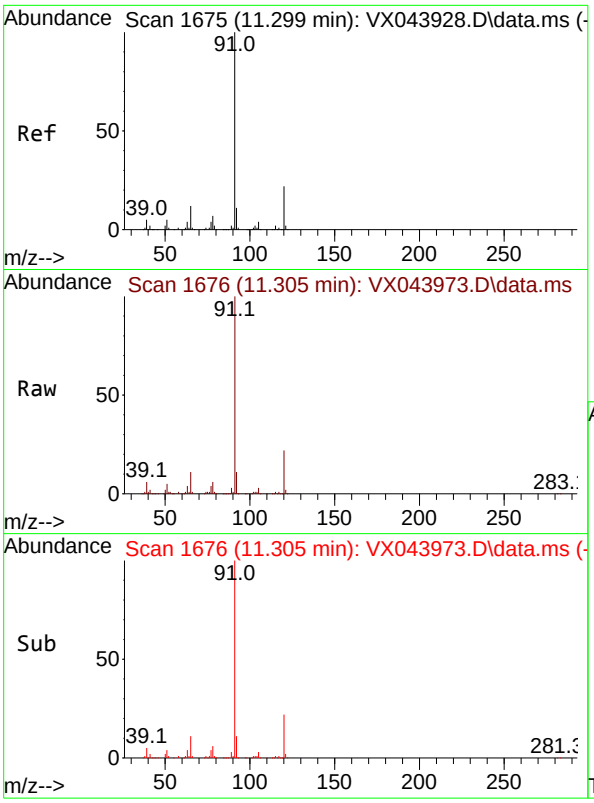




#77
Bromobenzene
Concen: 47.213 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:156 Resp: 74543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 169.4 | 83.4 | 250.1 |
| 158 | 96.3 | 47.6 | 142.8 |



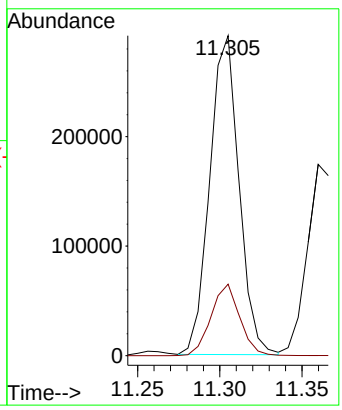


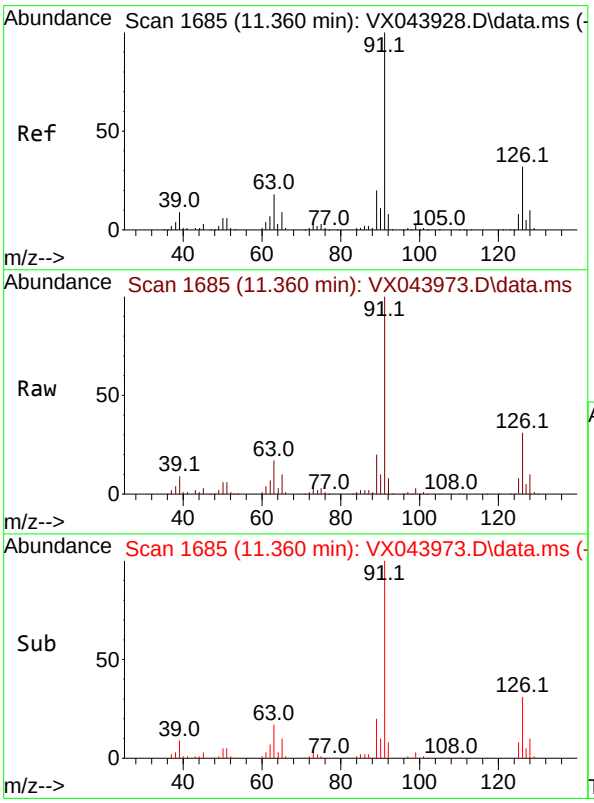

#78
n-propylbenzene
Concen: 48.772 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 91 Resp: 360526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.5 | 34.4 |

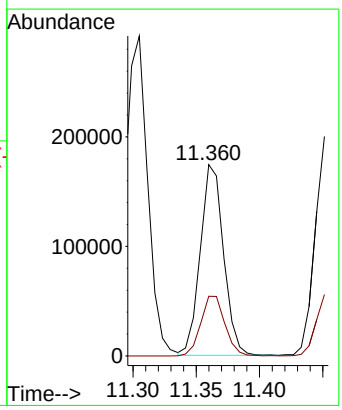


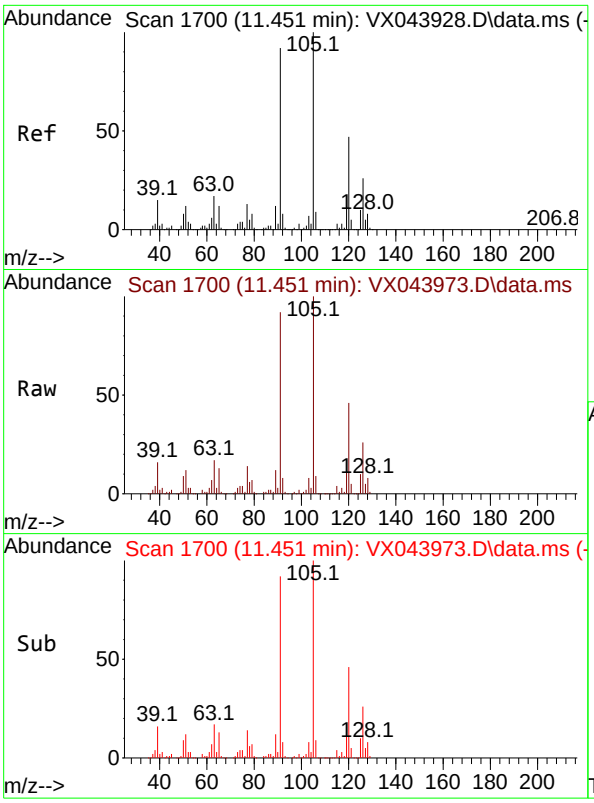




#79
2-Chlorotoluene
Concen: 47.756 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 223225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.6 | 49.8 |



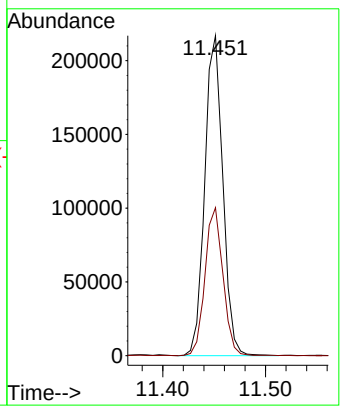


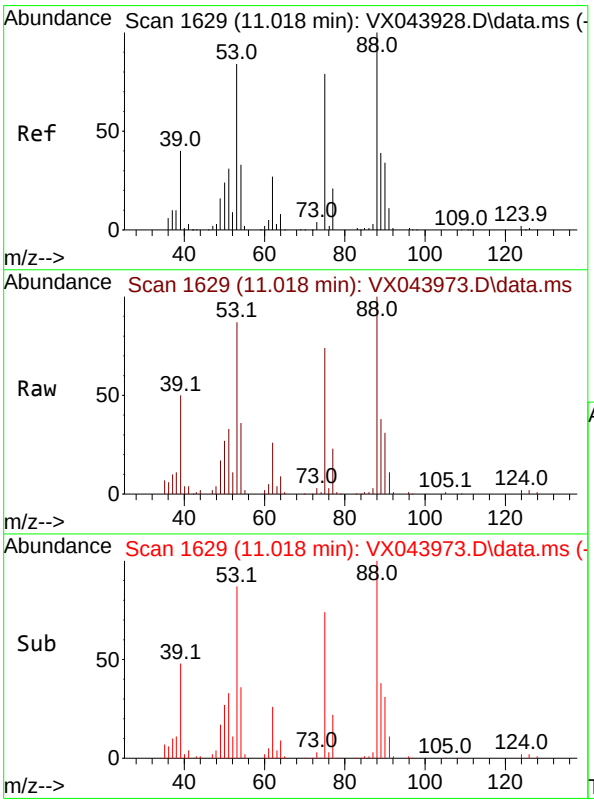

#80
1,3,5-Trimethylbenzene
Concen: 48.673 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:105 Resp: 265035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 23.3 | 69.8 |

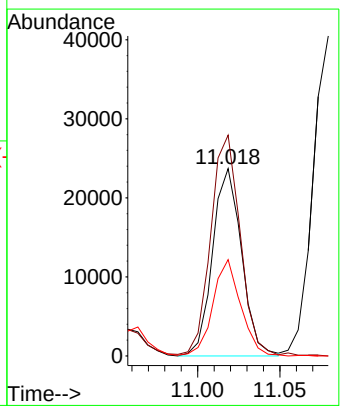


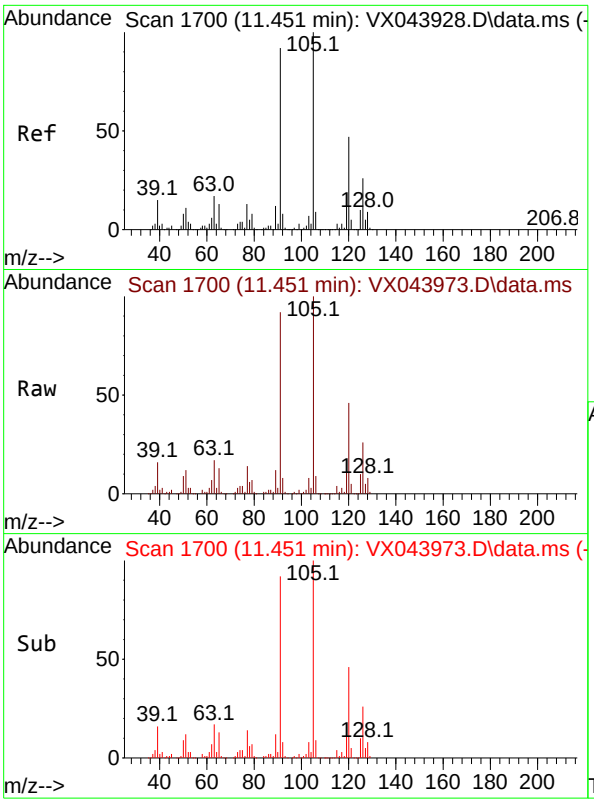




#81
trans-1,4-Dichloro-2-butene
Concen: 42.080 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 75 Resp: 29118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 120.5 | 86.7 | 130.1 |
| 89 | 49.6 | 38.2 | 57.2 |



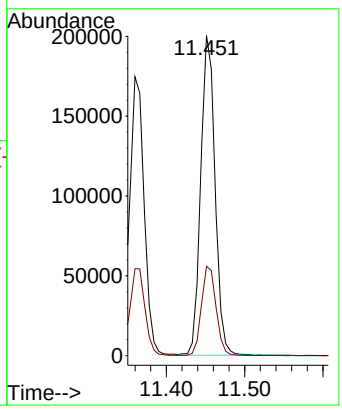


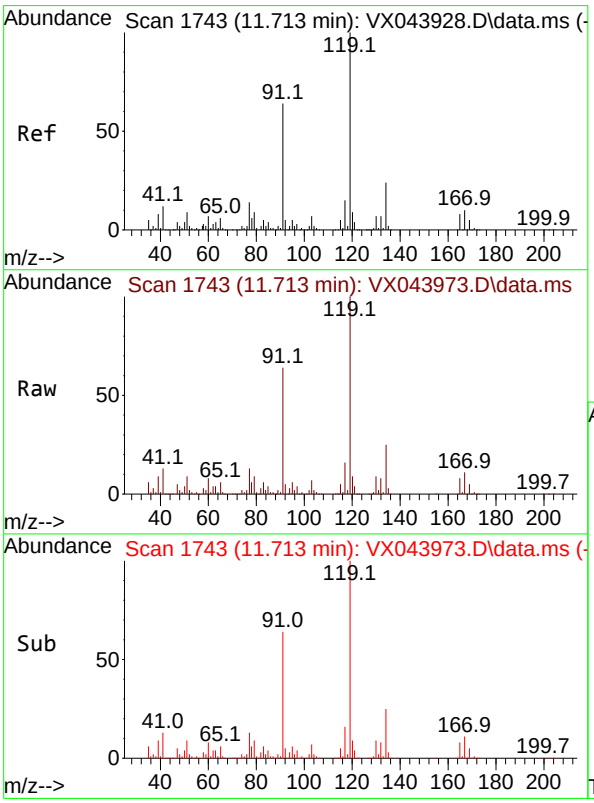

#82
4-Chlorotoluene
Concen: 48.089 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 91 Resp: 253775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.3 | 42.9 |

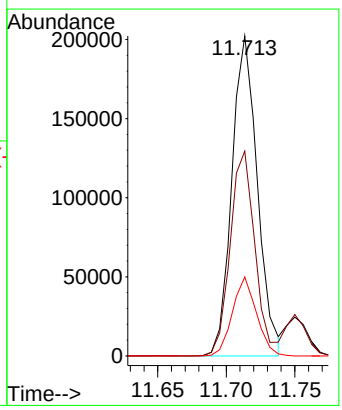


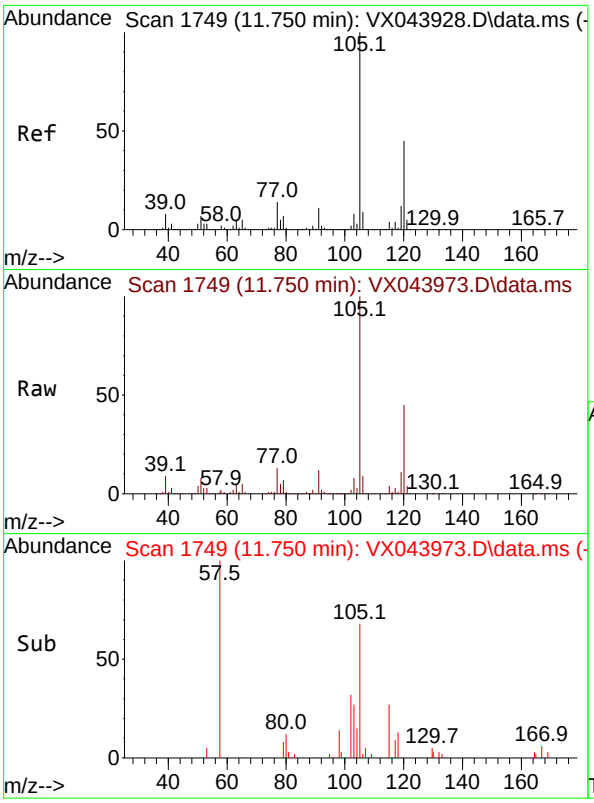




#83
tert-Butylbenzene
Concen: 48.461 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:119 Resp: 261550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.3 | 31.0 | 93.0 |
| 134 | 23.4 | 11.6 | 34.8 |



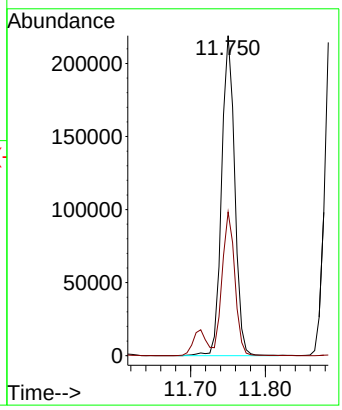


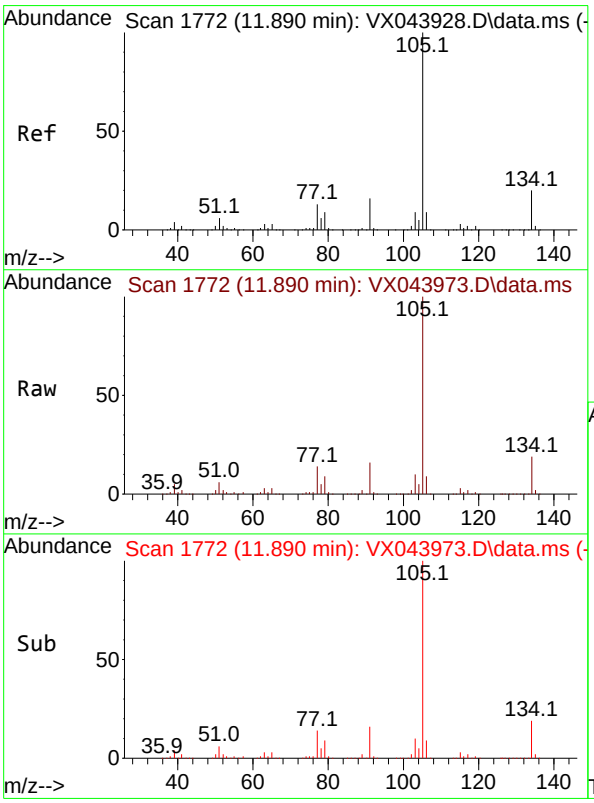

#84
1,2,4-Trimethylbenzene
Concen: 49.305 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:105 Resp: 267291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |

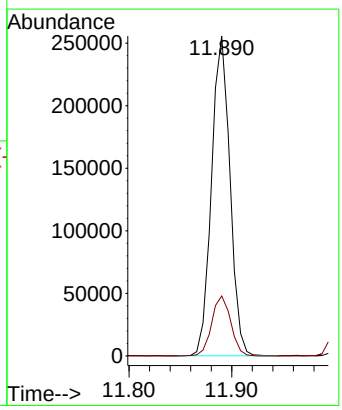


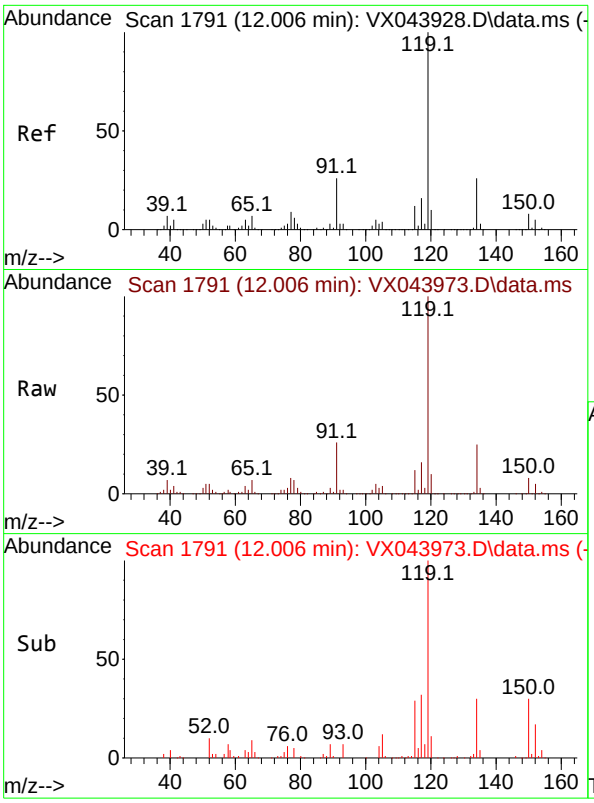




#85
sec-Butylbenzene
Concen: 48.018 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:105 Resp: 317529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.5 | 9.7 | 29.1 |



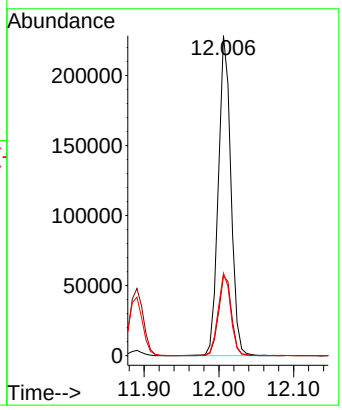


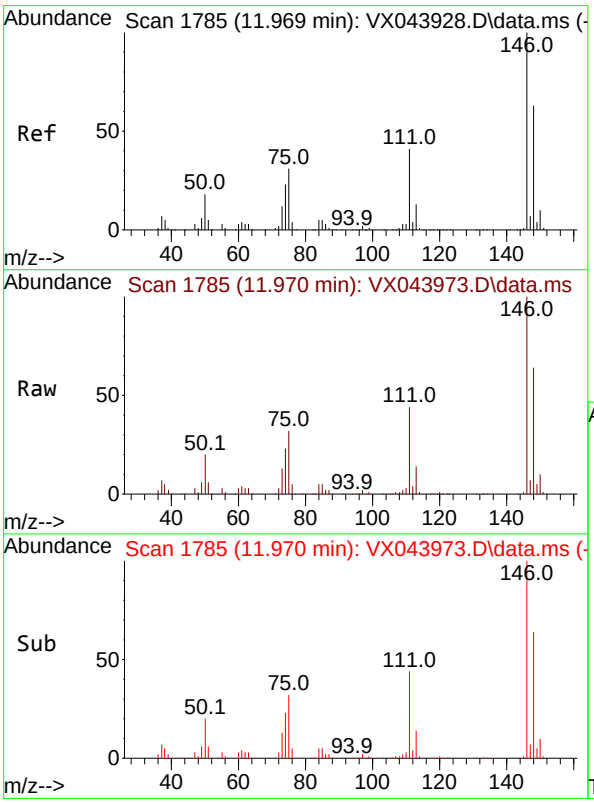

#86
p-Isopropyltoluene
Concen: 49.776 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:119 Resp: 267370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 13.0 | 38.9 |
| 91 | 26.1 | 13.0 | 38.9 |

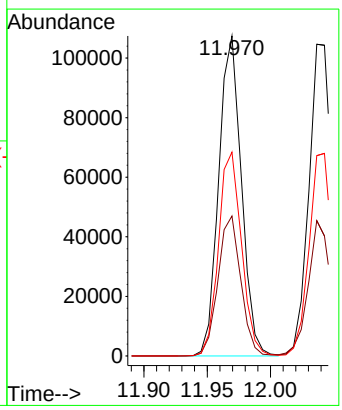


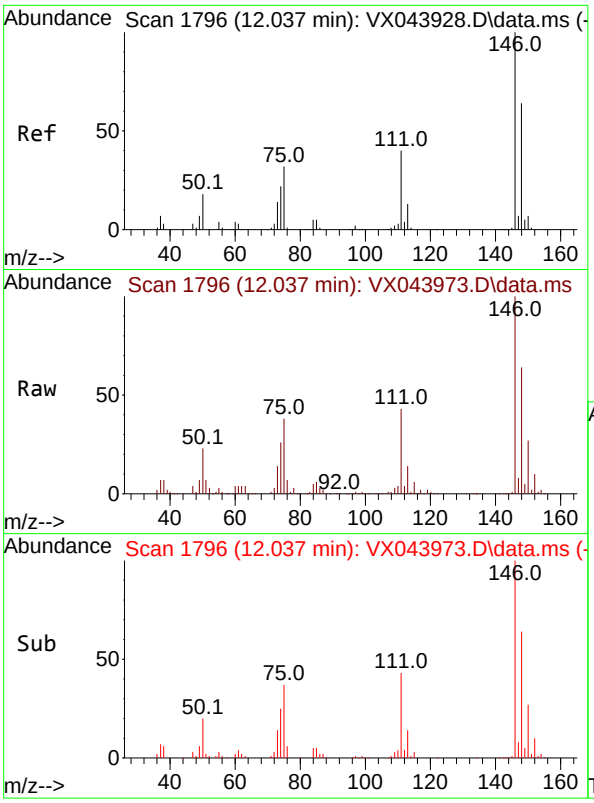




#87
1,3-Dichlorobenzene
Concen: 46.569 ug/l
RT: 11.970 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:146 Resp: 133915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.0 | 21.1 | 63.3 |
| 148 | 64.8 | 31.7 | 95.1 |



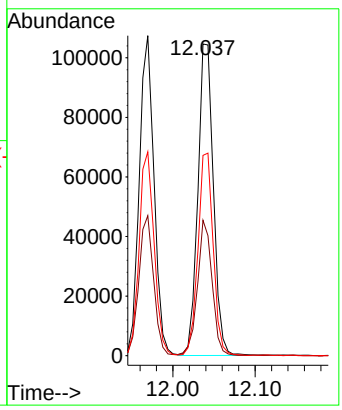


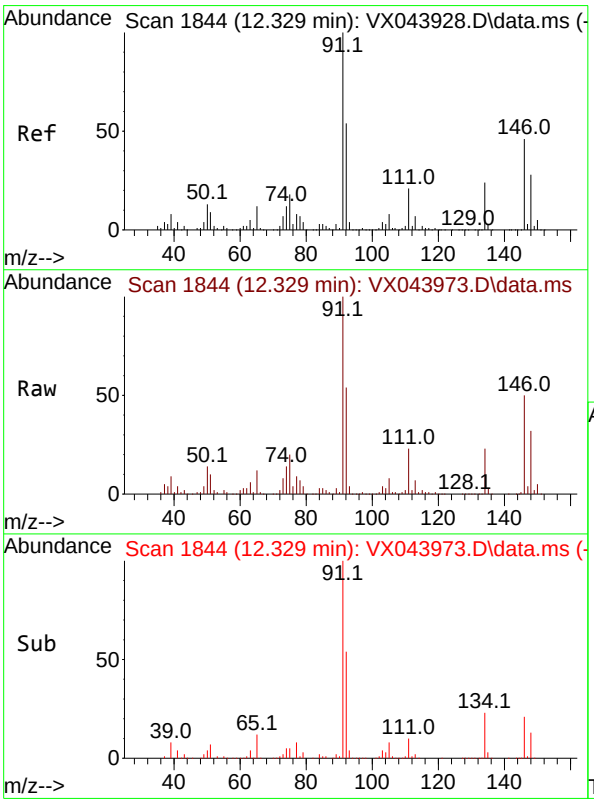

#88
1,4-Dichlorobenzene
Concen: 46.757 ug/l
RT: 12.037 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:146 Resp: 137083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.1 | 20.1 | 60.3 |
| 148 | 63.7 | 30.9 | 92.8 |

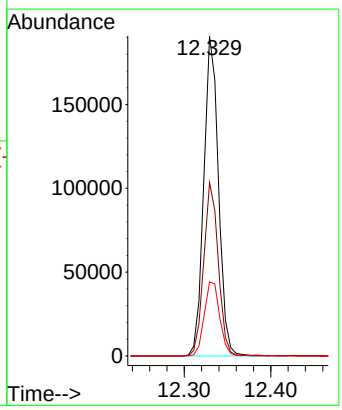


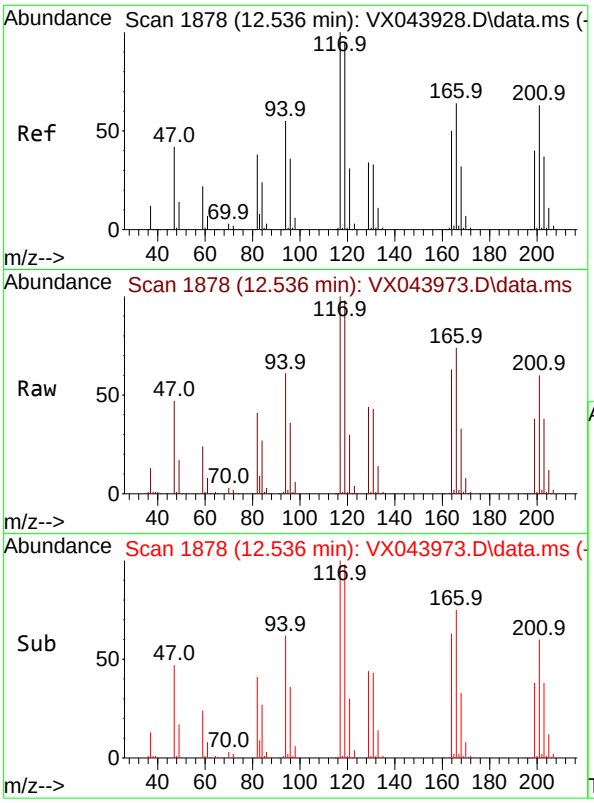




#89
n-Butylbenzene
Concen: 47.515 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion: 91 Resp: 225022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.8 | 26.6 | 79.8 |
| 134 | 24.4 | 12.4 | 37.2 |



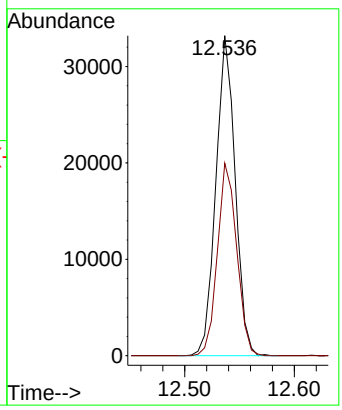


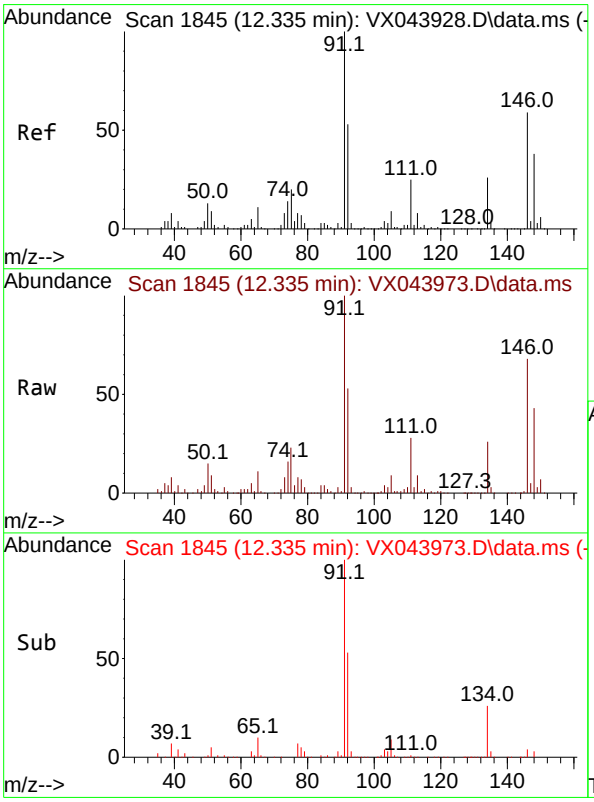

#90
Hexachloroethane
Concen: 44.510 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:117 Resp: 40654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.2 | 32.4 | 97.0 |

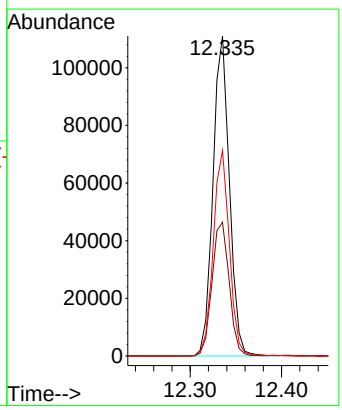


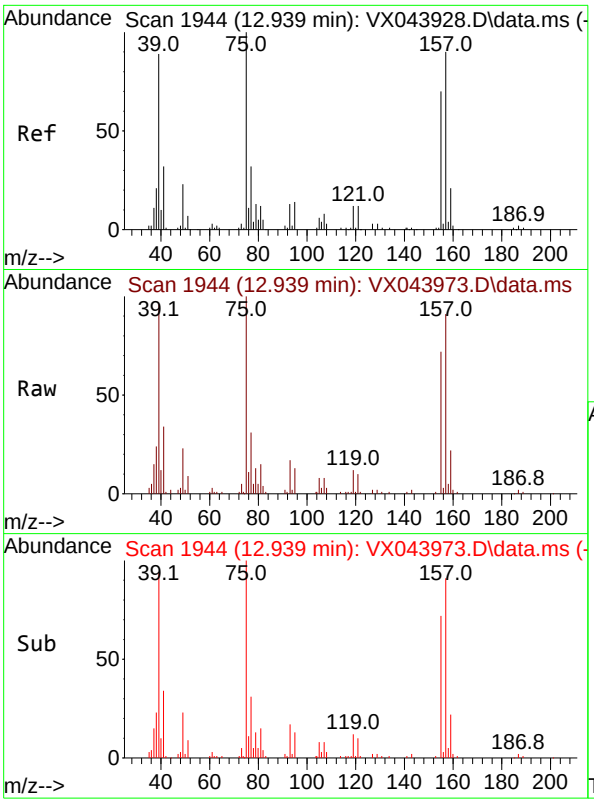




#91
1,2-Dichlorobenzene
Concen: 47.641 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:146 Resp: 138255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.7 | 21.5 | 64.5 |
| 148 | 63.0 | 31.9 | 95.5 |



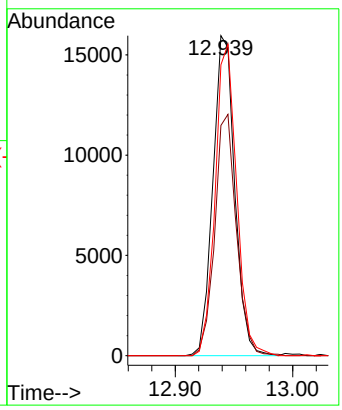


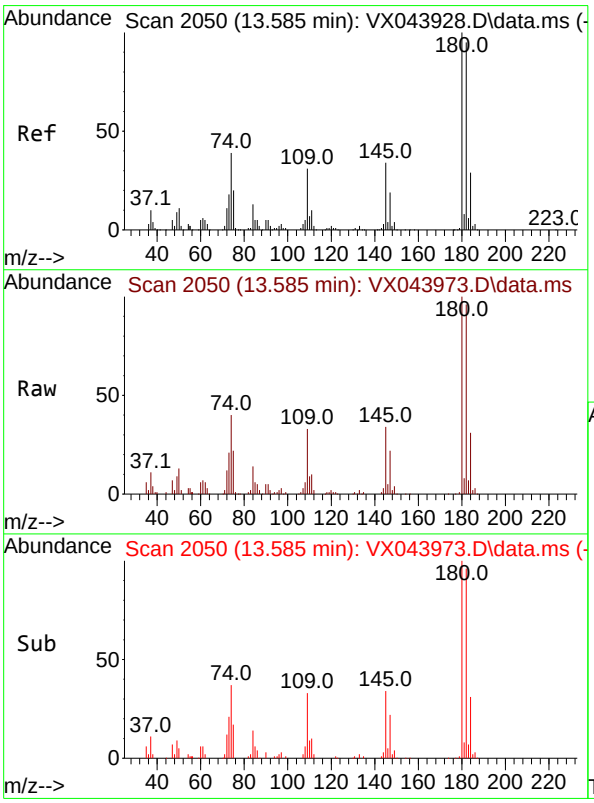

#92
1,2-Dibromo-3-Chloropropane
Concen: 45.408 ug/l
RT: 12.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion: 75 Resp: 20620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 74.8 | 40.1 | 120.2 |
| 157 | 95.7 | 49.6 | 149.0 |

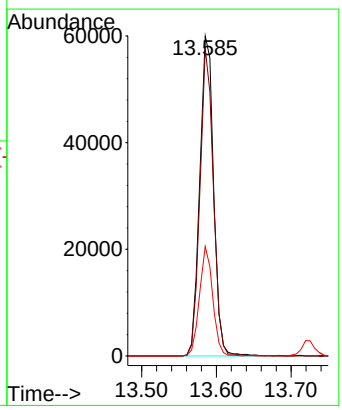


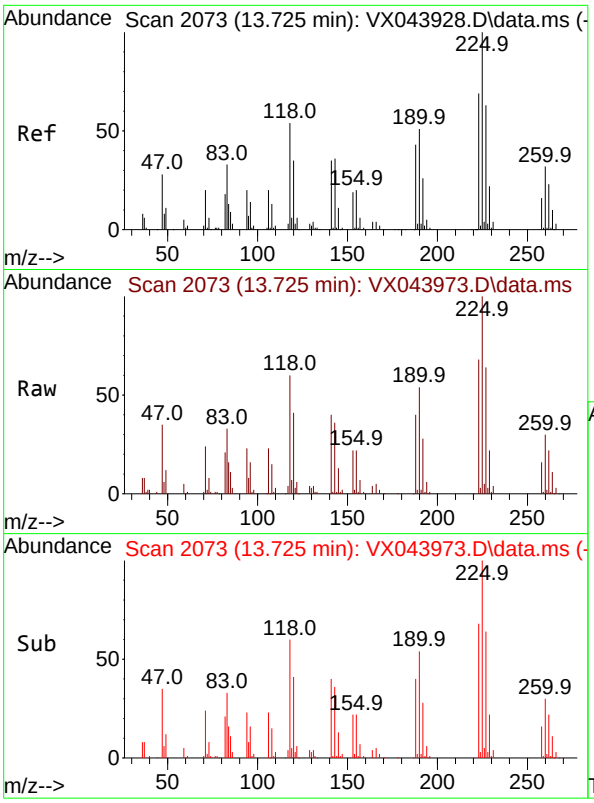




#93
1,2,4-Trichlorobenzene
Concen: 45.054 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:180 Resp: 77084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.0 | 48.0 | 144.2 |
| 145 | 32.7 | 16.8 | 50.4 |



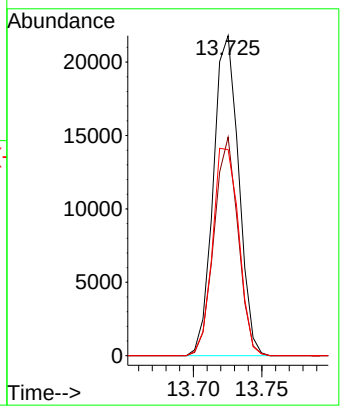


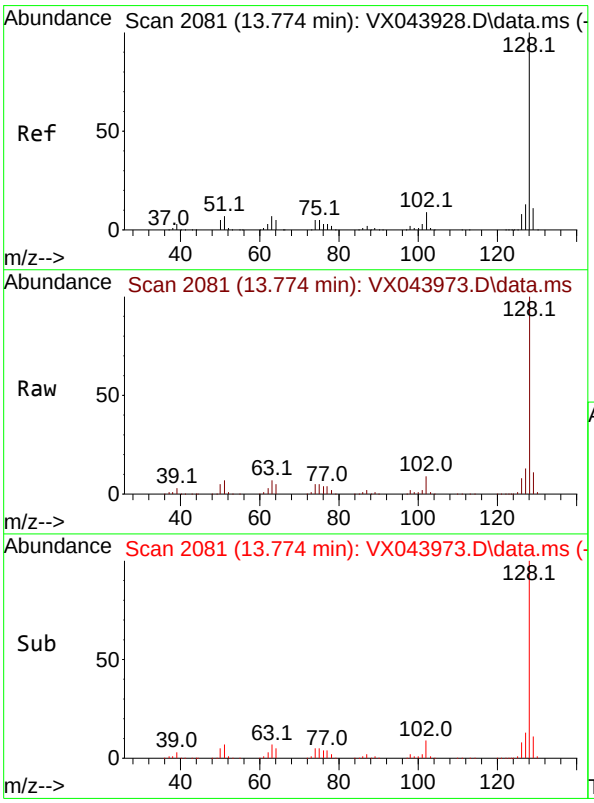

#94
Hexachlorobutadiene
Concen: 41.406 ug/l
RT: 13.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:225 Resp: 27998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.8 | 32.9 | 98.6 |
| 227 | 67.2 | 31.6 | 94.8 |

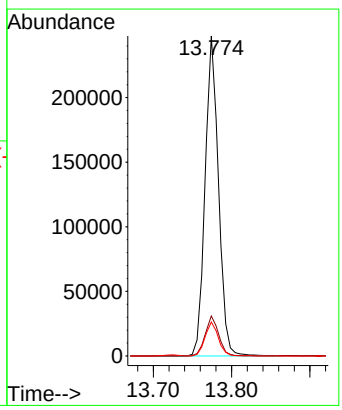


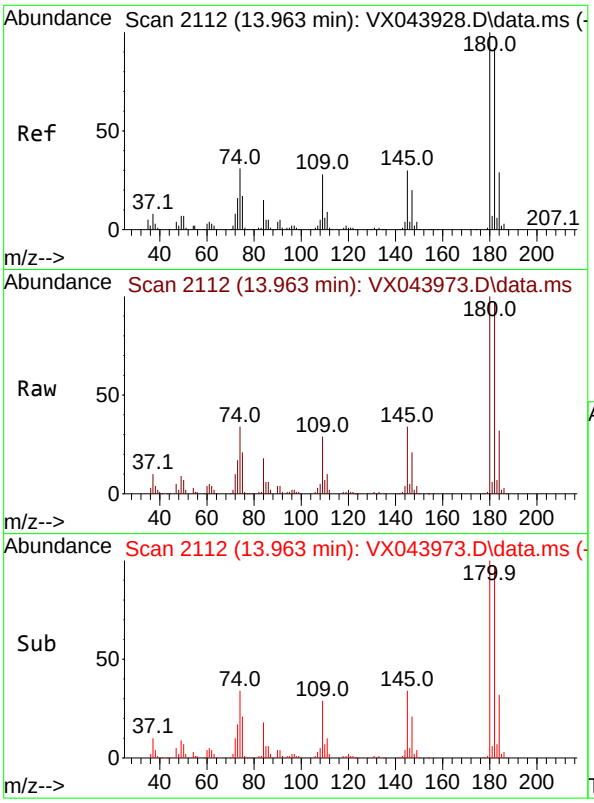




#95
Naphthalene
Concen: 47.601 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

Tgt Ion:128 Resp: 293168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.5 | 8.6 | 12.8 |



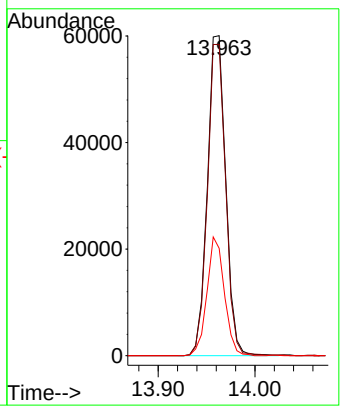



#96
1,2,3-Trichlorobenzene
Concen: 45.825 ug/l
RT: 13.963 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX043973.D
Acq: 22 Nov 2024 20:19

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MS

Tgt Ion:180 Resp: 79356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 96.5 | 45.6 | 136.8 |
| 145 | 35.2 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.549 | 168 | 108873 | 50.000 | ug/l | 0.01 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 198897 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 171140 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 79942 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 103662 | 55.513 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 111.020% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 77710 | 54.678 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 109.360% | | | |
| 50) Toluene-d8 | 8.646 | 98 | 267026 | 54.505 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 90415 | 54.229 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 108.460% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.166 | 85 | 67339 | 48.823 | ug/l | 100 |
| 3) Chloromethane | 1.294 | 50 | 75165 | 51.788 | ug/l | 98 |
| 4) Vinyl Chloride | 1.373 | 62 | 77105 | 49.946 | ug/l | 98 |
| 5) Bromomethane | 1.599 | 94 | 57309 | 60.345 | ug/l | 95 |
| 6) Chloroethane | 1.666 | 64 | 50965 | 54.179 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.867 | 101 | 171231 | 62.040 | ug/l | 98 |
| 8) Diethyl Ether | 2.135 | 74 | 53695 | 53.376 | ug/l | 95 |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 66563 | 50.559 | ug/l | 98 |
| 10) Methyl Iodide | 2.440 | 142 | 85969 | 52.284 | ug/l | 97 |
| 11) Tert butyl alcohol | 3.007 | 59 | 71616 | 238.937 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.306 | 96 | 64688 | 51.563 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 78855 | 249.600 | ug/l | 98 |
| 14) Allyl chloride | 2.660 | 41 | 111160 | 54.227 | ug/l | 96 |
| 15) Acrylonitrile | 3.068 | 53 | 192119 | 263.027 | ug/l | 98 |
| 16) Acetone | 2.385 | 43 | 176125 | 205.355 | ug/l | 99 |
| 17) Carbon Disulfide | 2.501 | 76 | 127049 | 49.096 | ug/l | 100 |
| 18) Methyl Acetate | 2.702 | 43 | 96830 | 48.481 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 258587 | 56.768 | ug/l | 97 |
| 20) Methylene Chloride | 2.782 | 84 | 77032 | 52.927 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.086 | 96 | 71315 | 55.060 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 249718 | 56.970 | ug/l | 99 |
| 23) Vinyl Acetate | 3.720 | 43 | 1026851 | 273.850 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 142837 | 56.486 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 279714 | 252.757 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.464 | 77 | 113954 | 49.899 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 89108 | 55.657 | ug/l | 99 |
| 28) Bromochloromethane | 4.897 | 49 | 60976 | 54.782 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.007 | 42 | 181063 | 266.878 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 154062 | 56.646 | ug/l | 97 |
| 31) Cyclohexane | 5.464 | 56 | 107961 | 51.874 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 135964 | 57.971 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 95946 | 54.176 | ug/l | 99 |
| 37) Ethyl Acetate | 4.714 | 43 | 107894 | 49.078 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.671 | 117 | 108000 | 54.272 | ug/l | 100 |
| 39) Methylcyclohexane | 7.372 | 83 | 115848 | 50.352 | ug/l | 98 |
| 40) Benzene | 6.031 | 78 | 302182 | 54.777 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 60170 | 53.476 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 123960 | 55.949 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 181947 | 52.005 | ug/l | | 100 |
| 44) Trichloroethene | 7.116 | 130 | 73903 | 47.323 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 77701 | 57.508 | ug/l | | 99 |
| 46) Dibromomethane | 7.580 | 93 | 59993 | 56.131 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.817 | 83 | 107873 | 56.275 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.689 | 41 | 89173 | 53.118 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 25863 | 864.861 | ug/l | # | 80 |
| 51) 4-Methyl-2-Pentanone | 8.573 | 43 | 580077 | 271.694 | ug/l | | 99 |
| 52) Toluene | 8.713 | 92 | 184227 | 55.795 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 110281 | 56.417 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 116090 | 54.174 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.146 | 97 | 73871 | 54.198 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118700 | 55.912 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 129321 | 56.324 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 424211 | 264.347 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 76638 | 56.041 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 77451 | 56.198 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.268 | 164 | 58186 | 51.562 | ug/l | | 94 |
| 65) Chlorobenzene | 10.079 | 112 | 201017 | 53.480 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131 | 69409 | 56.939 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 353161 | 55.449 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 263018 | 110.735 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 129366 | 55.784 | ug/l | | 100 |
| 70) Styrene | 10.652 | 104 | 216231 | 56.375 | ug/l | | 99 |
| 71) Bromoform | 10.798 | 173 | 44443 | 48.125 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 332792 | 54.156 | ug/l | | 100 |
| 74) N-amyl acetate | 10.841 | 43 | 149823 | 52.630 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 115231 | 54.764 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.237 | 75 | 121995 | 69.588 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 78016 | 53.221 | ug/l | | 97 |
| 78) n-propylbenzene | 11.304 | 91 | 374036 | 54.499 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.365 | 91 | 232083 | 53.477 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 275820 | 54.557 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29861 | 46.479 | ug/l | | 90 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 267523 | 54.601 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 276544 | 55.188 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.749 | 105 | 282874 | 56.200 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 330144 | 53.773 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 278422 | 55.829 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 141347 | 52.941 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.042 | 146 | 143136 | 52.585 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 233456 | 53.095 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 43982 | 51.864 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 144265 | 53.543 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75 | 23157 | 54.925 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 82015 | 51.631 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29844 | 47.537 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 312161 | 54.591 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.956 | 180 | 86747 | 53.954 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

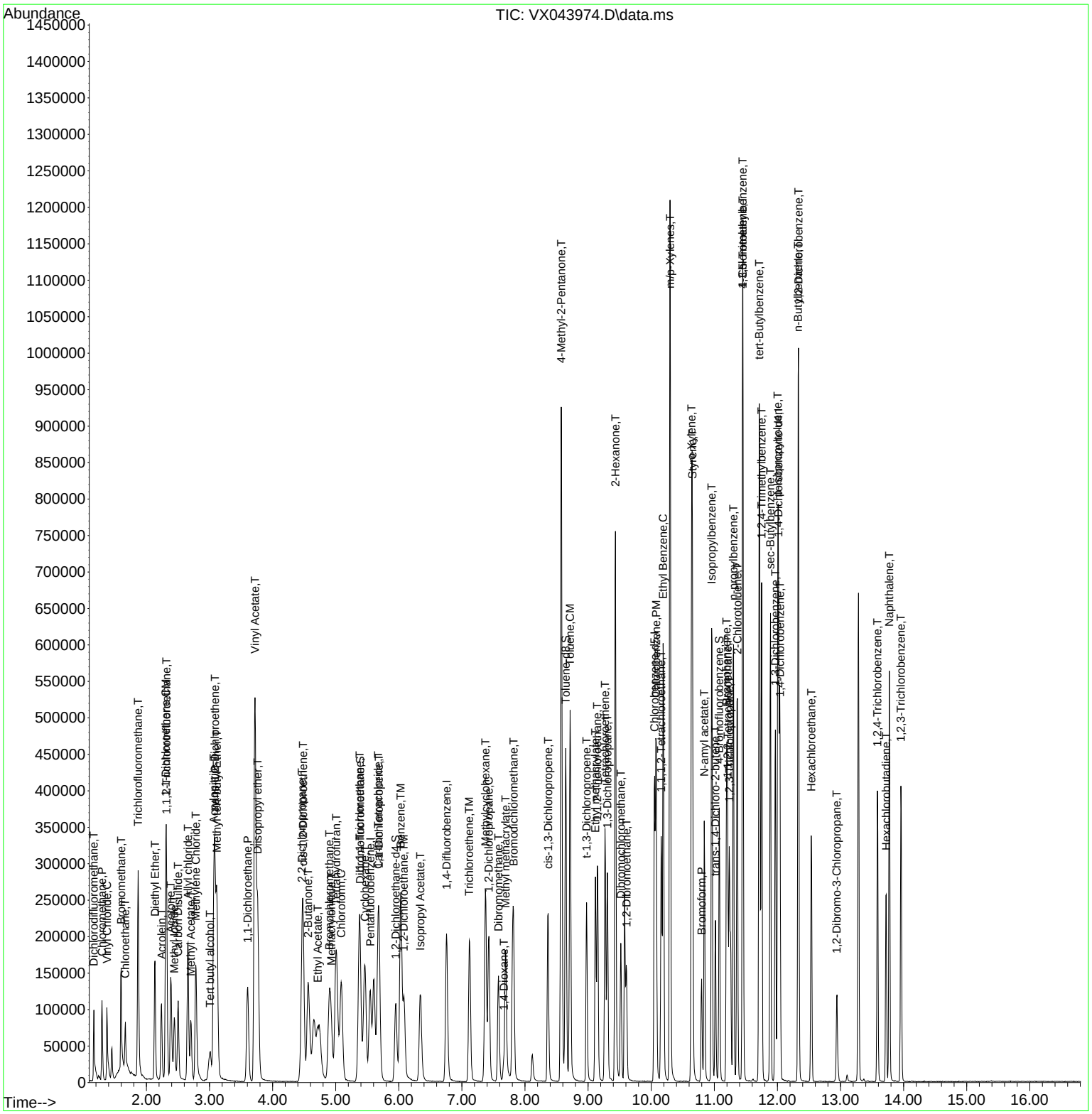
(#) = qualifier out of range (m) = manual integration (+) = signals summed

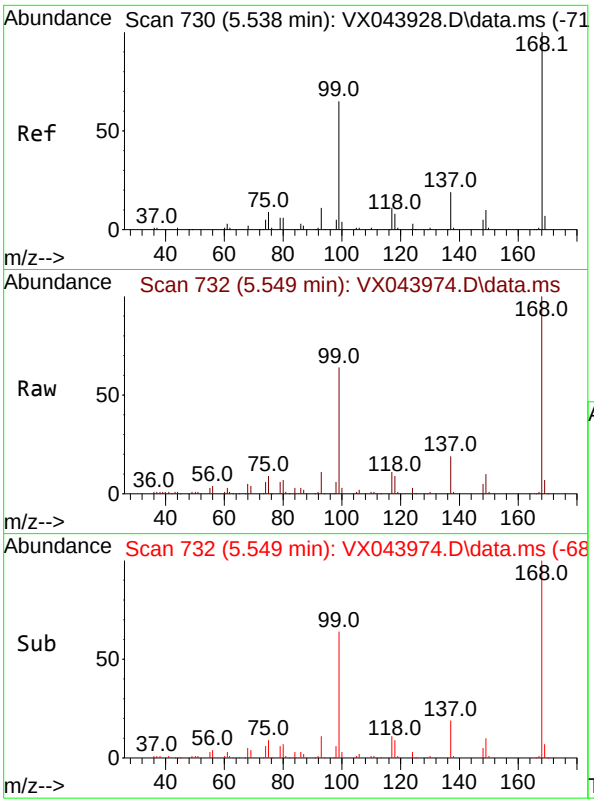
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043974.D
Acq On : 22 Nov 2024 20:42
Operator : JC/MD
Sample : P4934-07MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Quant Time: Nov 22 22:31:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



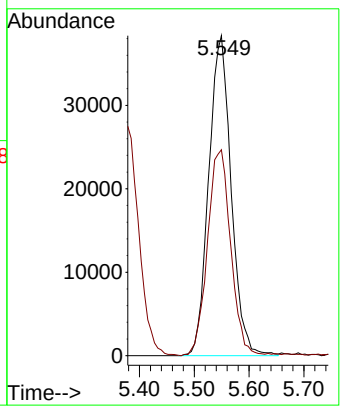


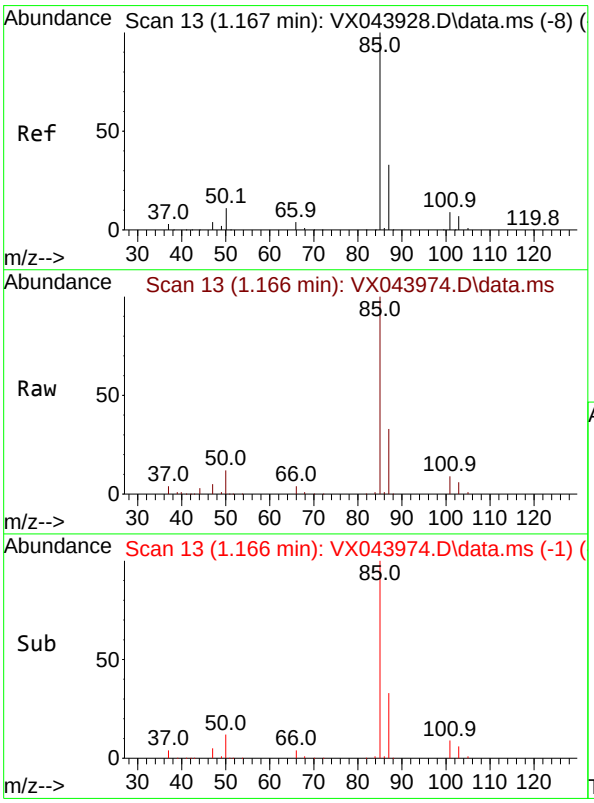

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 7
Delta R.T. 0.011 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:168 Resp: 108873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.2 | 51.8 | 77.8 |

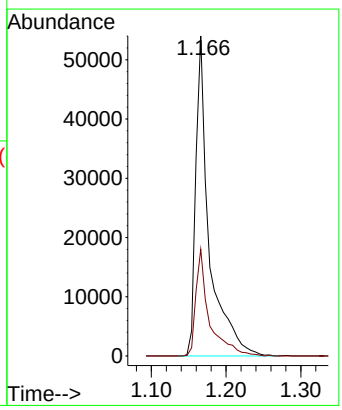


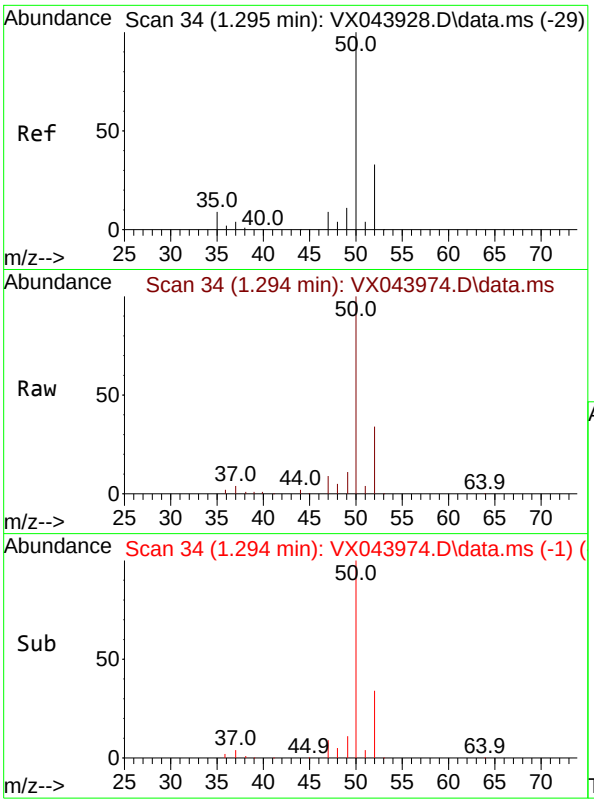




#2
Dichlorodifluoromethane
Concen: 48.823 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 85 Resp: 67339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |



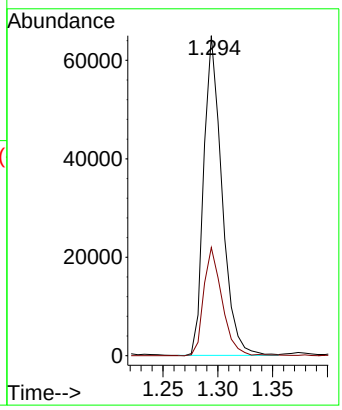


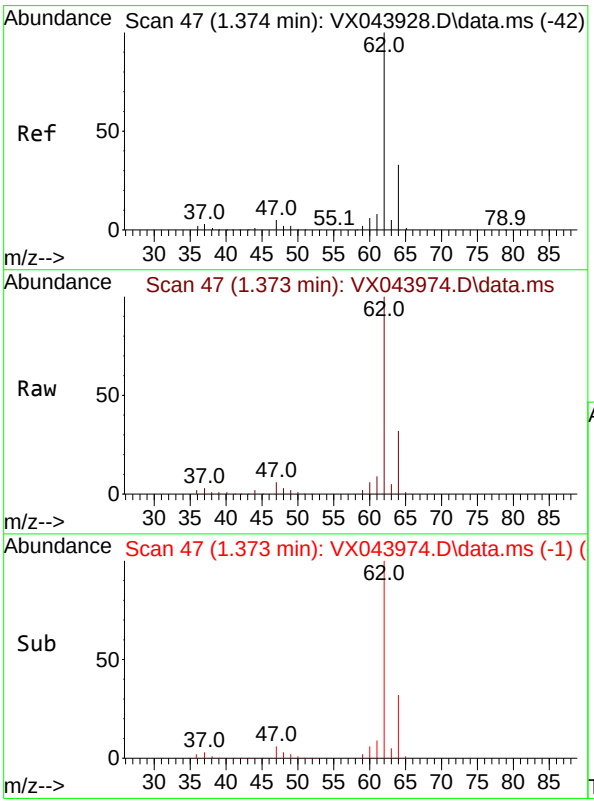

#3
Chloromethane
Concen: 51.788 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 50 Resp: 75165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.8 | 26.1 | 39.1 |

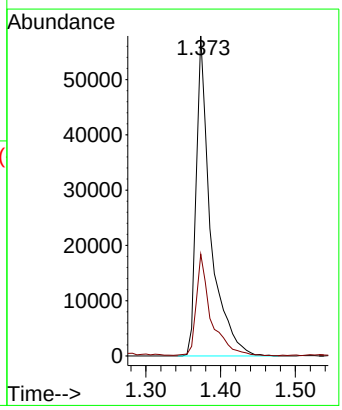


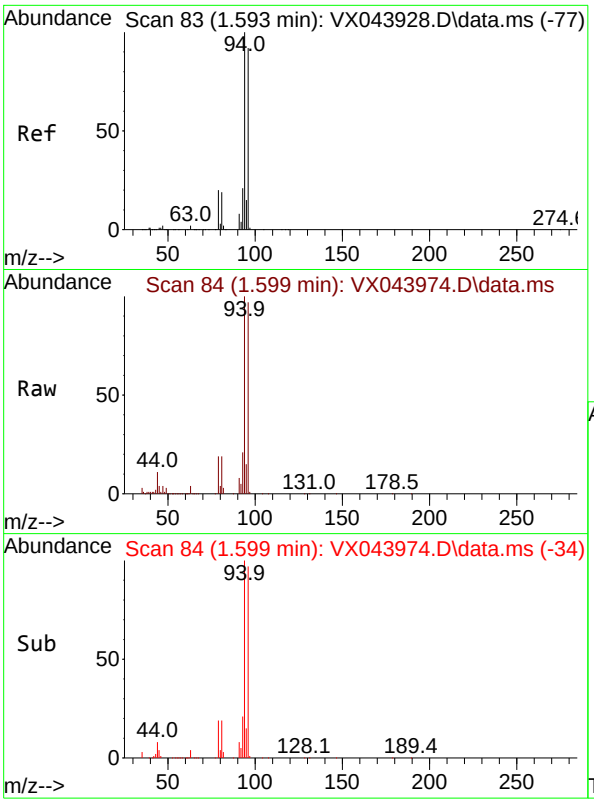




#4
Vinyl Chloride
Concen: 49.946 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 62 Resp: 77105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.7 | 26.2 | 39.4 |



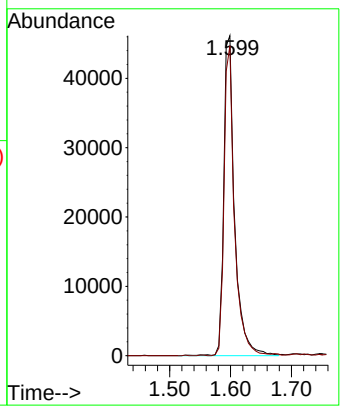


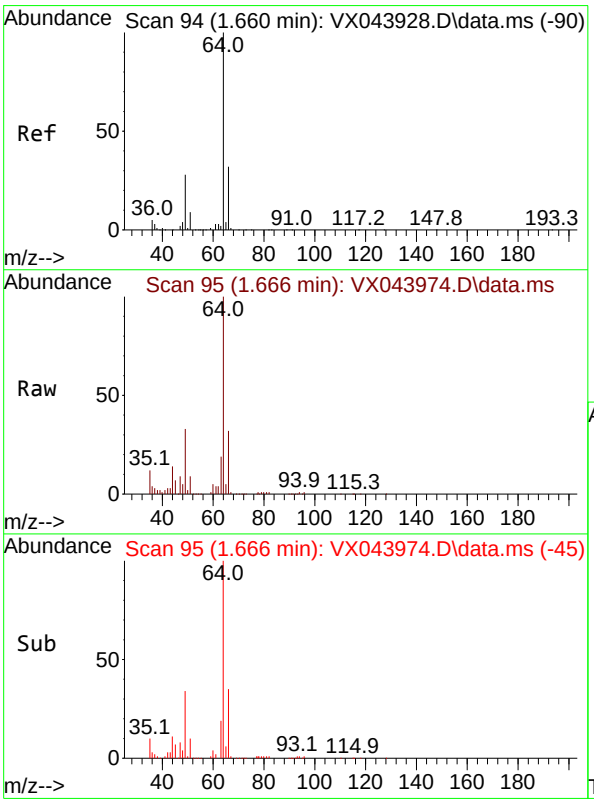

#5
Bromomethane
Concen: 60.345 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 94 Resp: 57309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.8 | 73.9 | 110.9 |

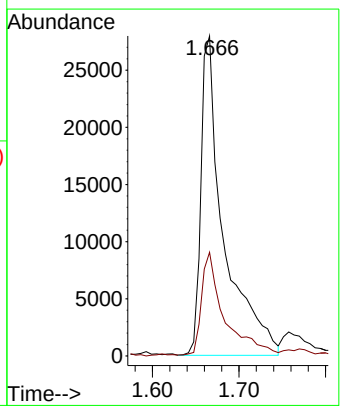


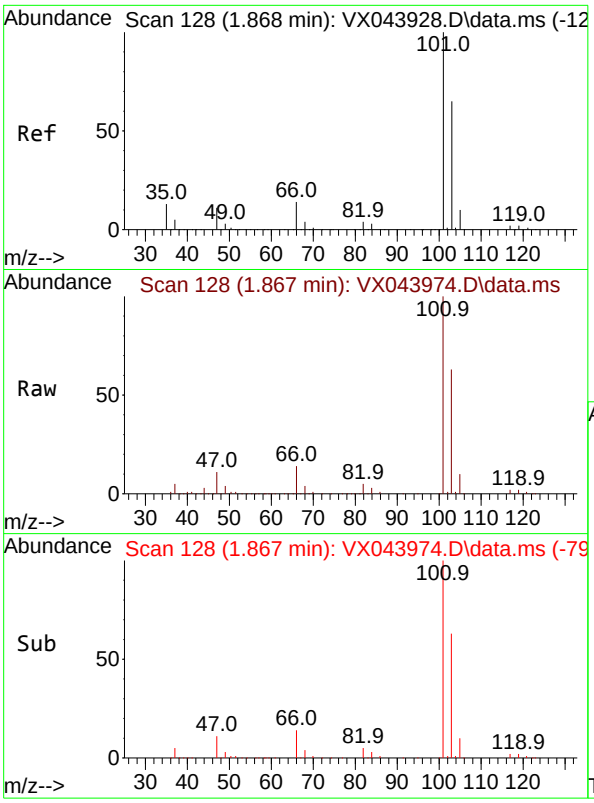




#6
Chloroethane
Concen: 54.179 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 64 Resp: 50965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.2 | 25.9 | 38.9 |



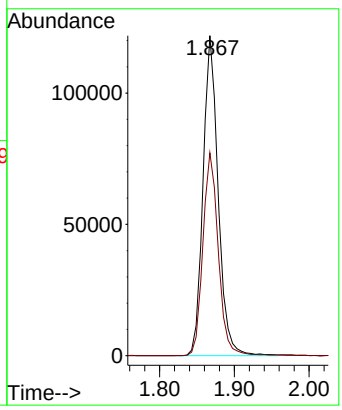


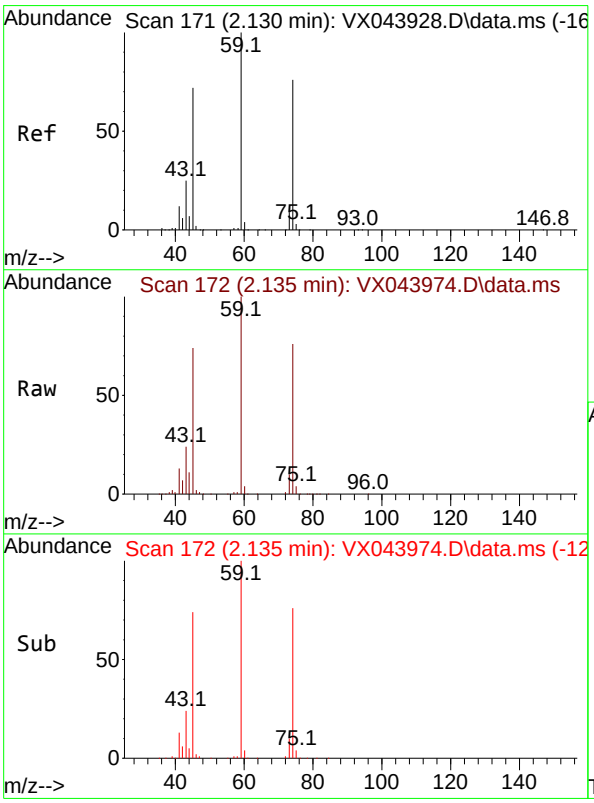

#7
Trichlorofluoromethane
Concen: 62.040 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:101 Resp: 171231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.3 | 52.2 | 78.2 |

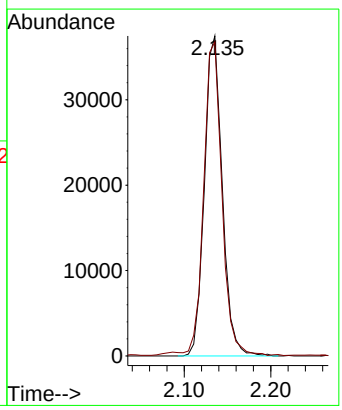


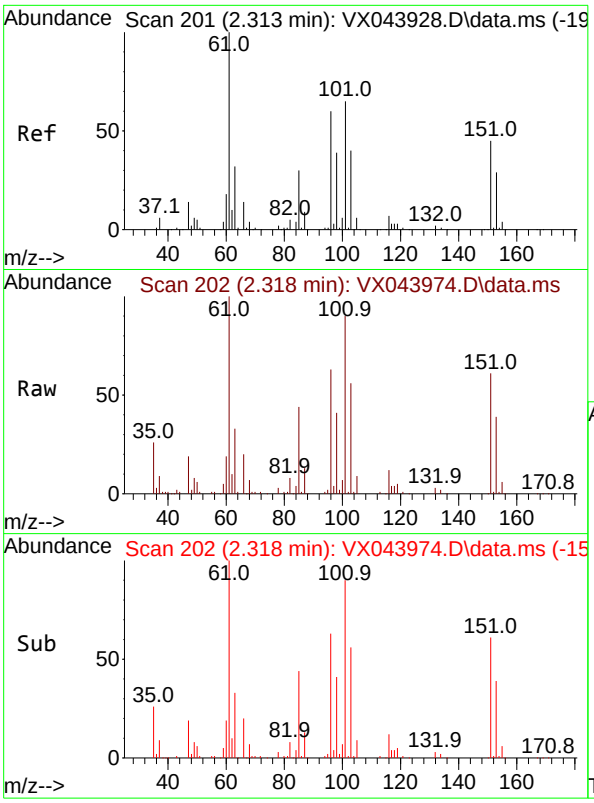




#8
Diethyl Ether
Concen: 53.376 ug/l
RT: 2.135 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 74 Resp: 53695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 100.2 | 47.9 | 143.6 |



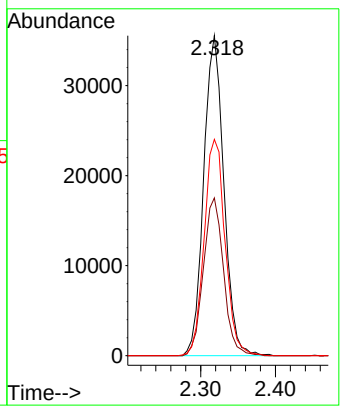


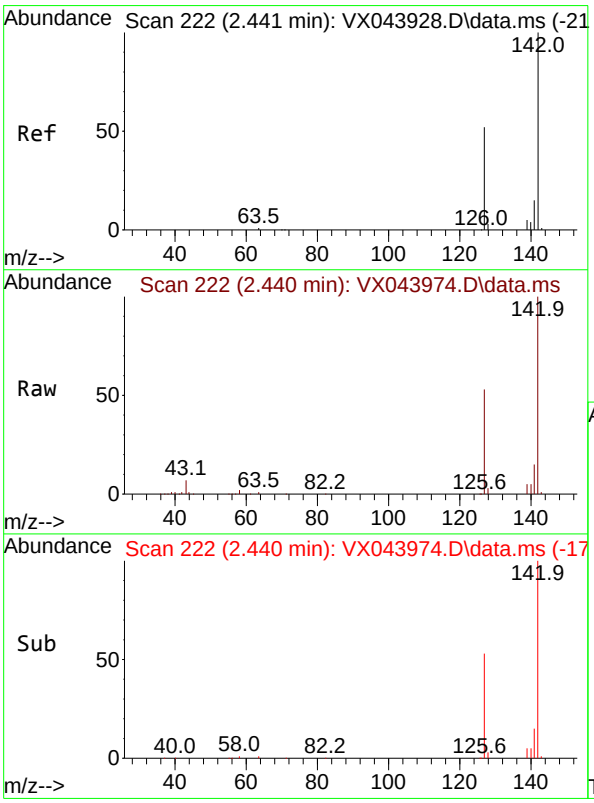

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.559 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:101 Resp: 66563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 49.4 | 37.9 | 56.9 |
| 151 | 70.4 | 57.5 | 86.3 |

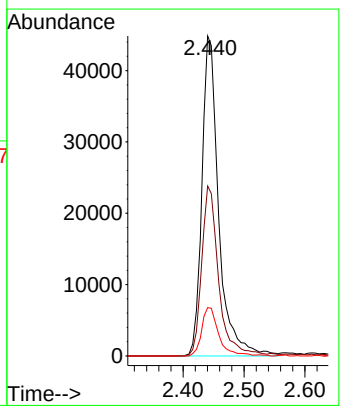


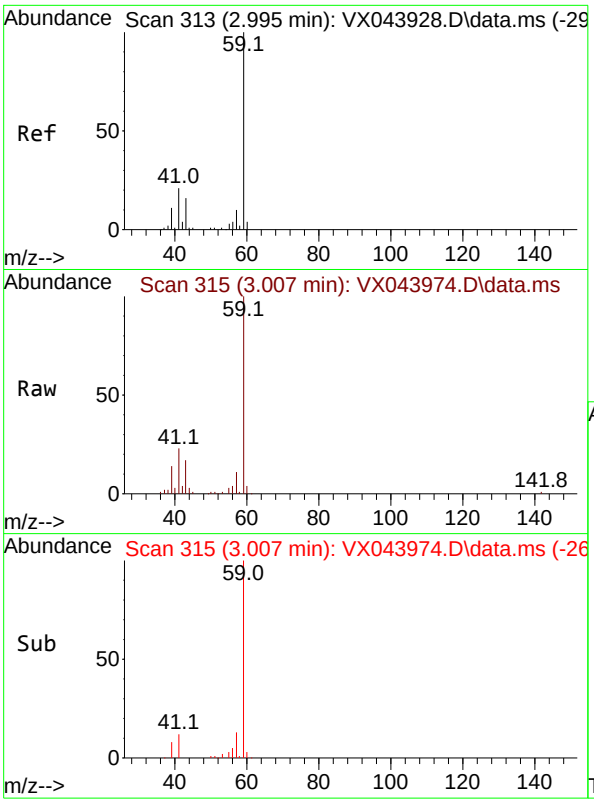




#10
Methyl Iodide
Concen: 52.284 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:142 Resp: 85969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.5 | 40.7 | 61.1 |
| 141 | 15.3 | 12.0 | 18.0 |



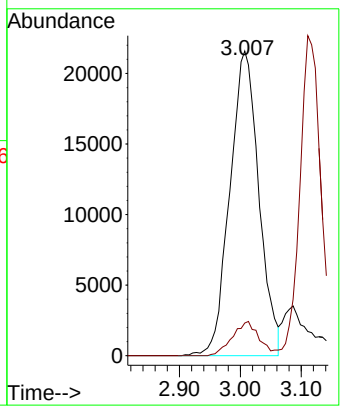


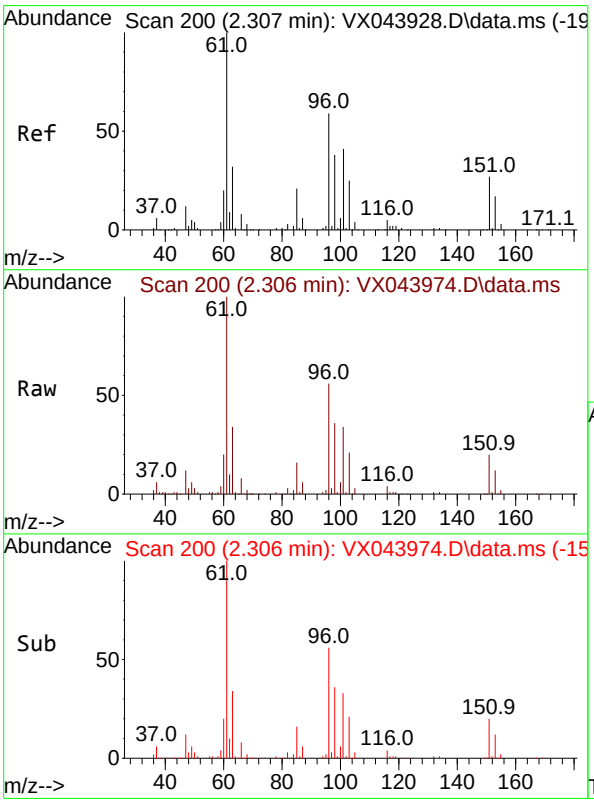

#11
Tert butyl alcohol
Concen: 238.937 ug/l
RT: 3.007 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 59 Resp: 71616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 7.9 | 11.9 |

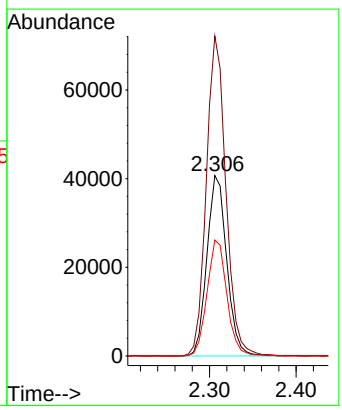


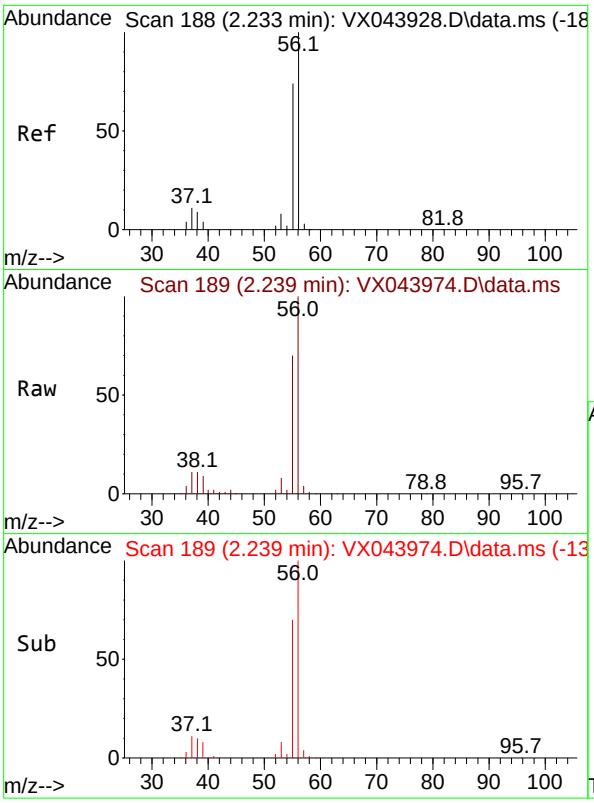




#12
1,1-Dichloroethene
Concen: 51.563 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 96 Resp: 64688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 177.3 | 135.5 | 203.3 |
| 98 | 64.3 | 50.8 | 76.2 |



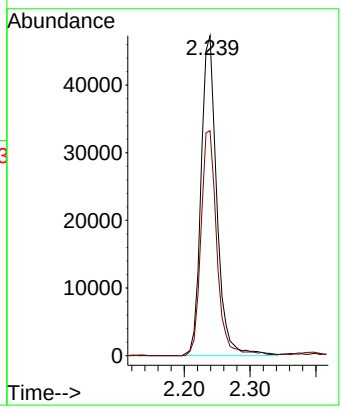


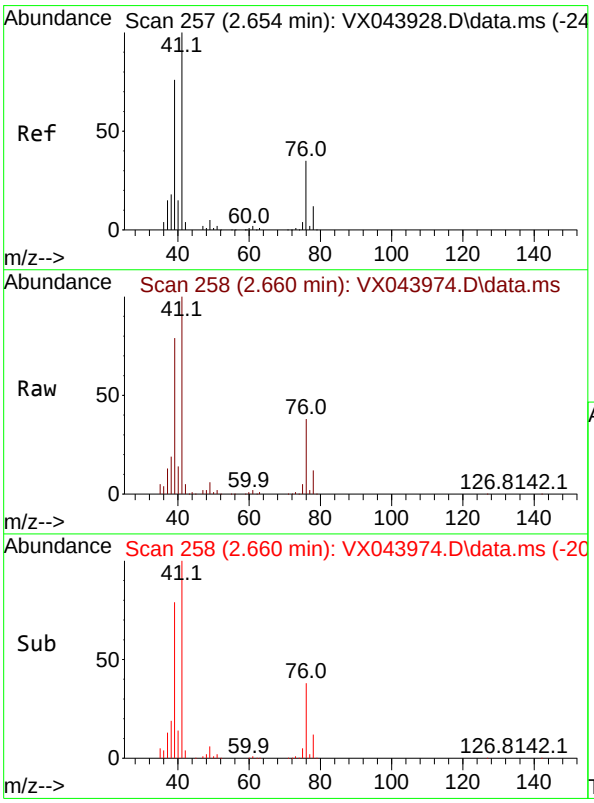

#13
Acrolein
Concen: 249.600 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 56 Resp: 78855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.9 | 58.2 | 87.2 |

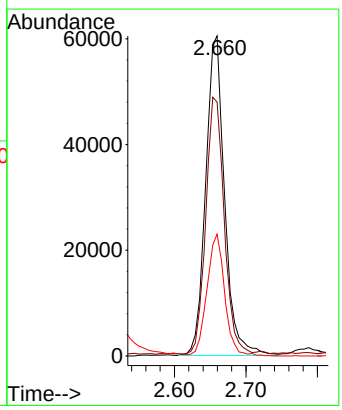


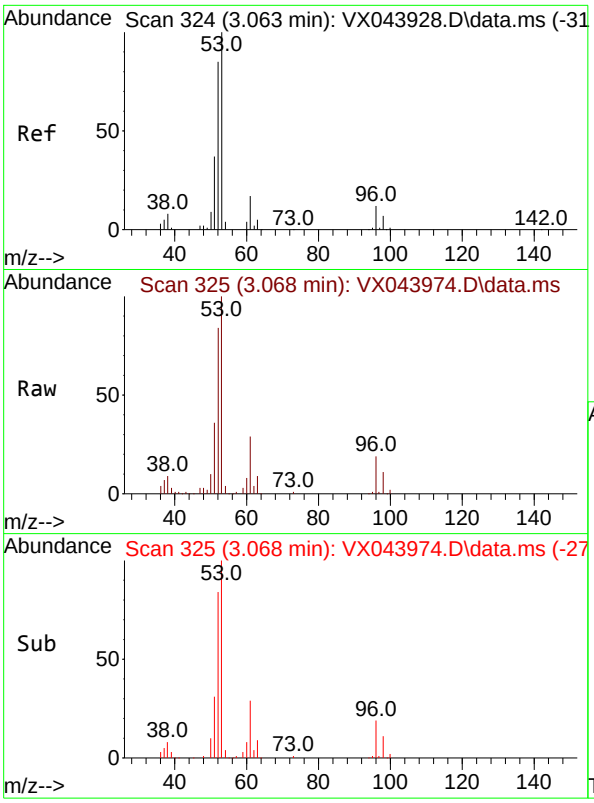




#14
Allyl chloride
Concen: 54.227 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 41 Resp: 111160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 78.3 | 59.5 | 89.3 |
| 76 | 35.8 | 27.4 | 41.2 |



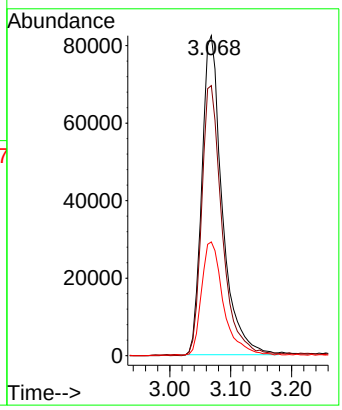


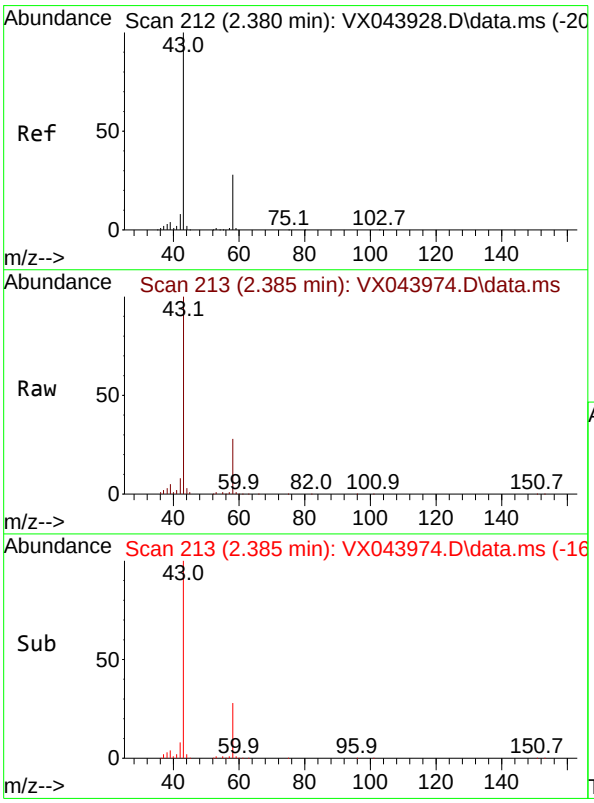

#15
Acrylonitrile
Concen: 263.027 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 53 Resp: 192119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.4 | 66.5 | 99.7 |
| 51 | 39.1 | 30.2 | 45.4 |

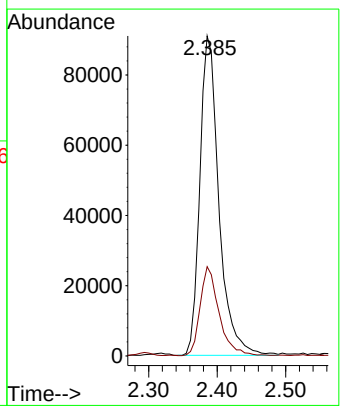


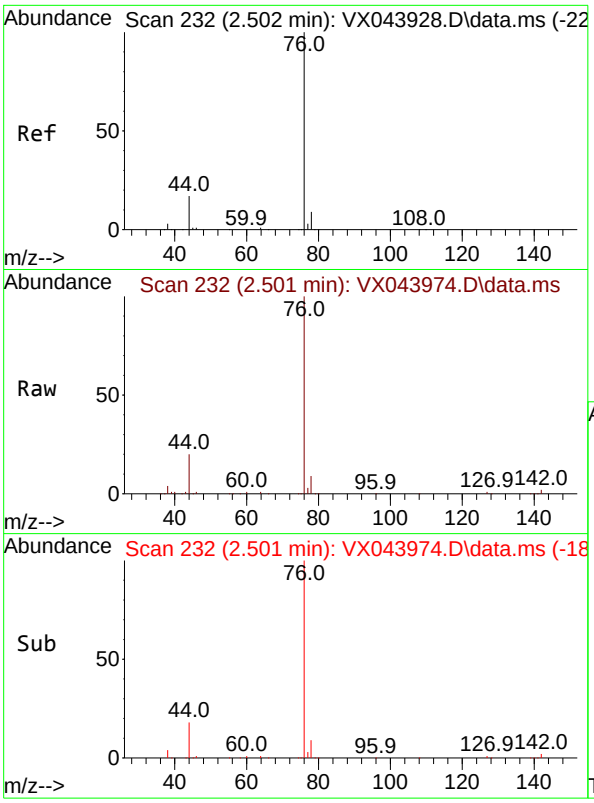




#16
Acetone
Concen: 205.355 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 176125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.9 | 22.7 | 34.1 |



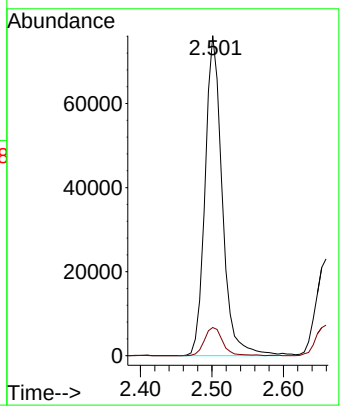


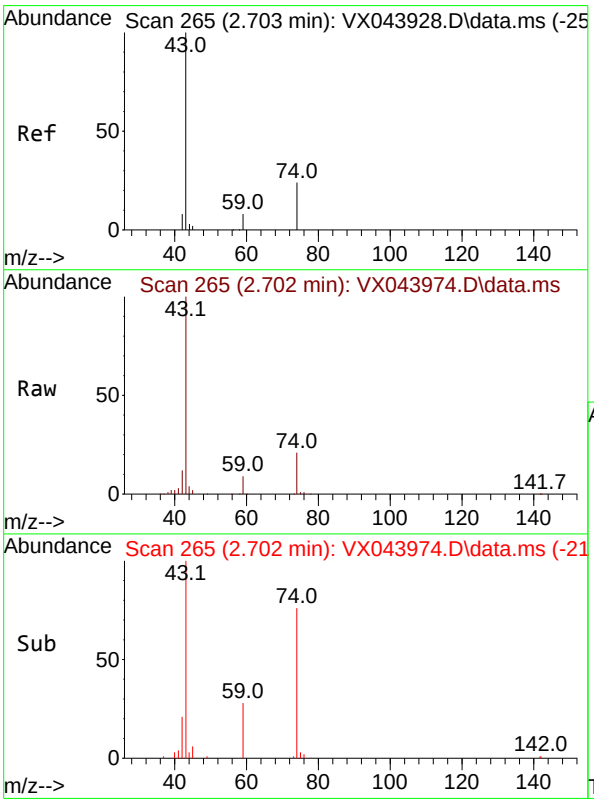

#17
Carbon Disulfide
Concen: 49.096 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 76 Resp: 127049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 7.0 | 10.6 |

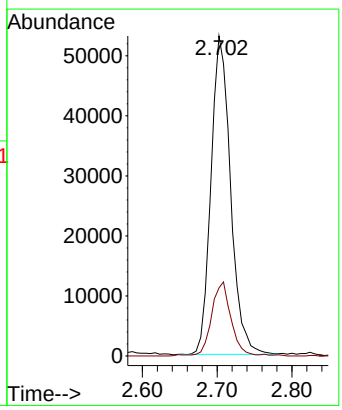


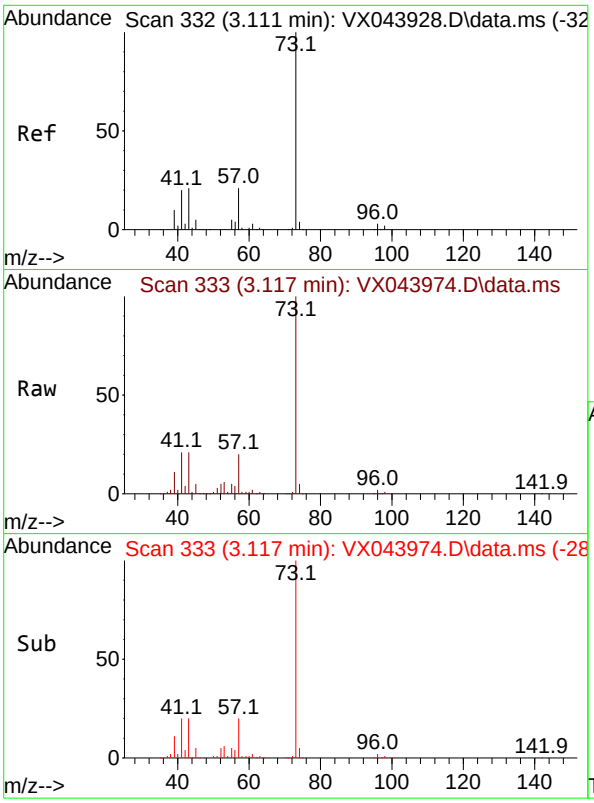




#18
Methyl Acetate
Concen: 48.481 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 96830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.1 | 18.9 | 28.3 |



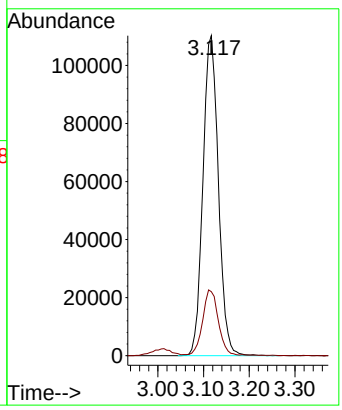


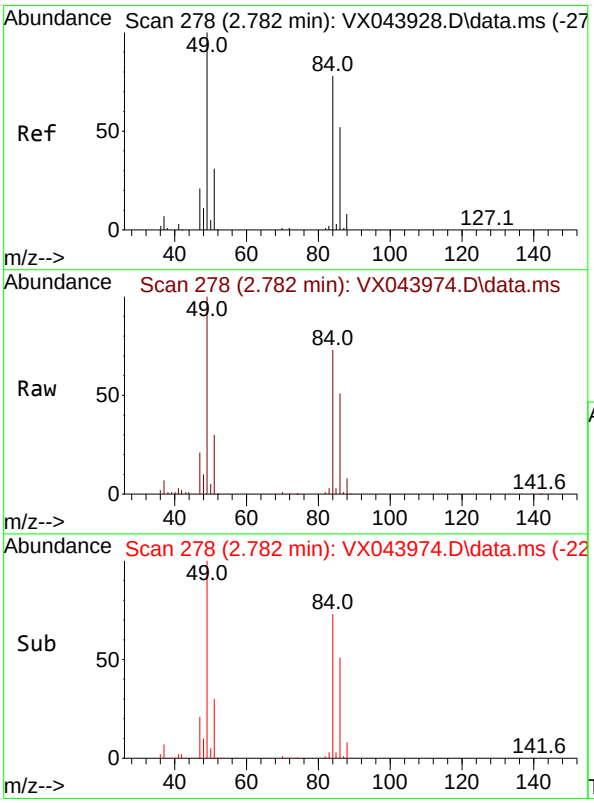

#19
Methyl tert-butyl Ether
Concen: 56.768 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 73 Resp: 258587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 19.9 | 17.0 | 25.6 |

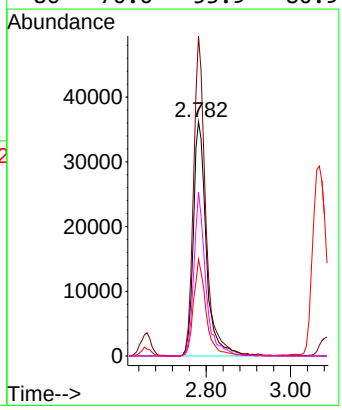


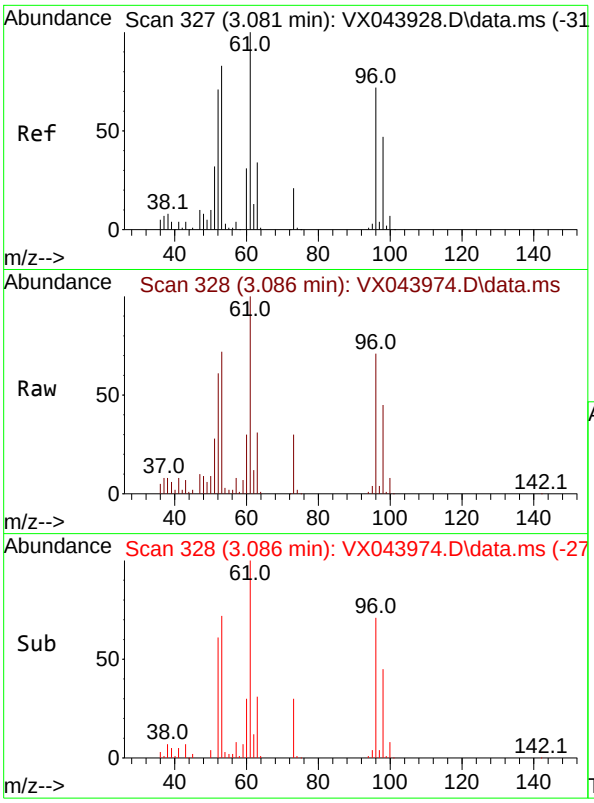




#20
Methylene Chloride
Concen: 52.927 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 84 Resp: 77032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 136.5 | 102.7 | 154.1 |
| 51 | 41.4 | 31.7 | 47.5 |
| 86 | 70.0 | 53.9 | 80.9 |



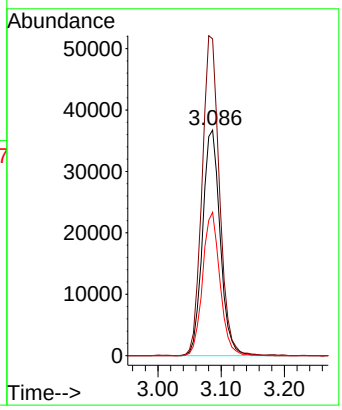


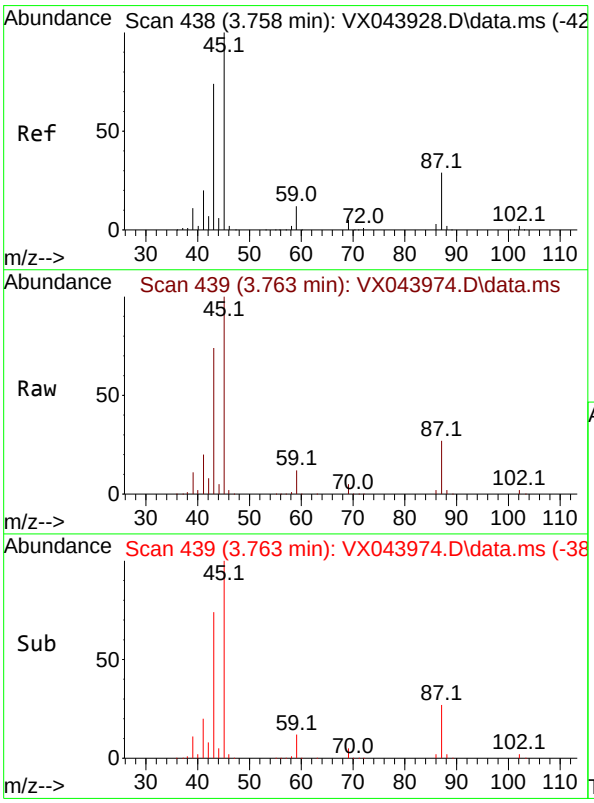

#21
trans-1,2-Dichloroethene
Concen: 55.060 ug/l
RT: 3.086 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 96 Resp: 71315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 111.8 | 167.6 |
| 98 | 63.5 | 52.7 | 79.1 |

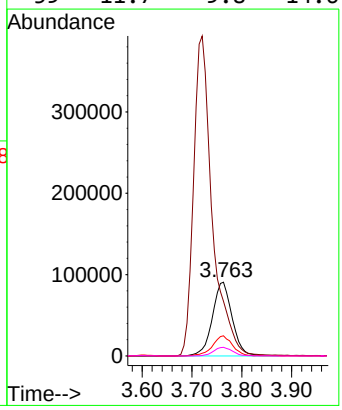


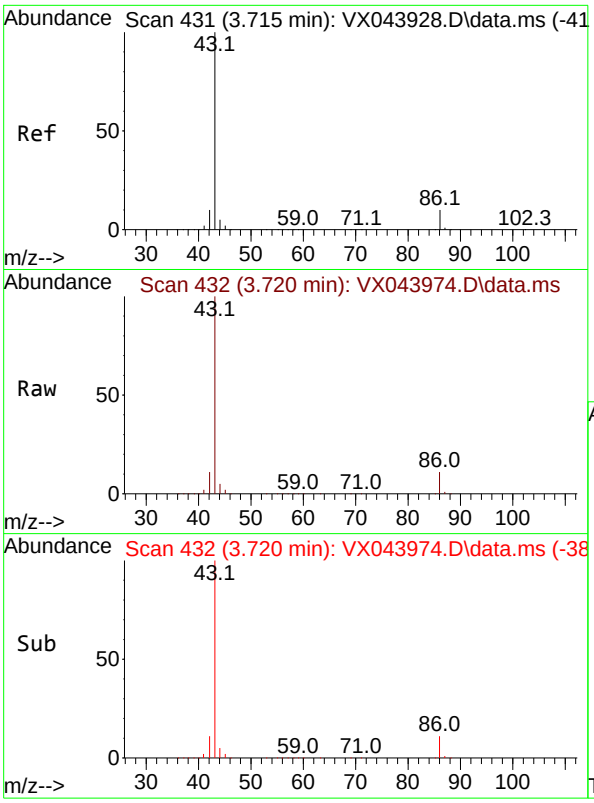




#22
Diisopropyl ether
Concen: 56.970 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 45 Resp: 249718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 73.9 | 59.6 | 89.4 |
| 87 | 27.3 | 22.9 | 34.3 |
| 59 | 11.7 | 9.8 | 14.6 |



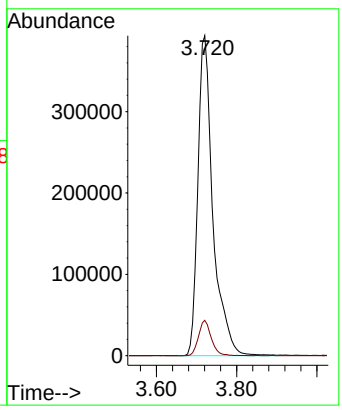


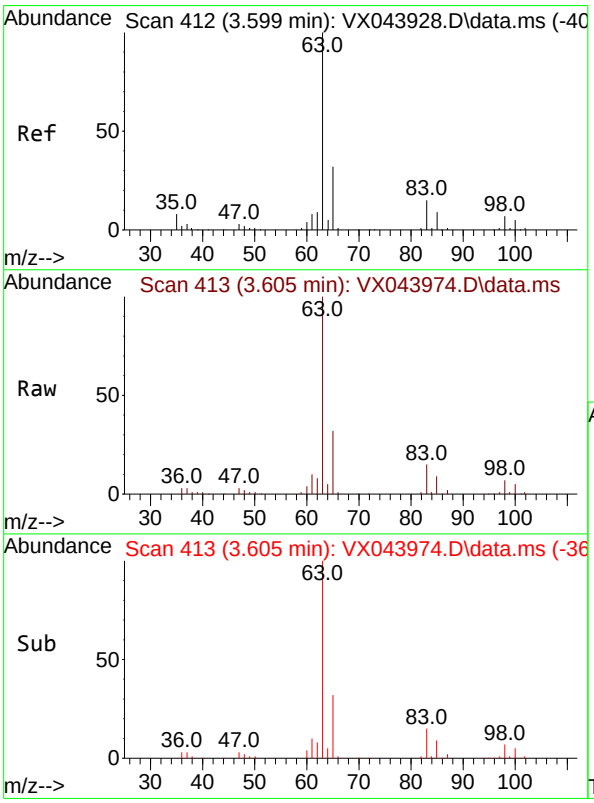

#23
Vinyl Acetate
Concen: 273.850 ug/l
RT: 3.720 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 1026851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.1 | 8.3 | 12.5 |

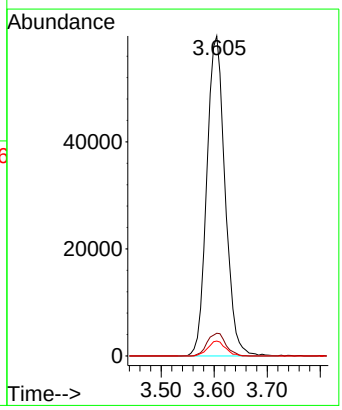


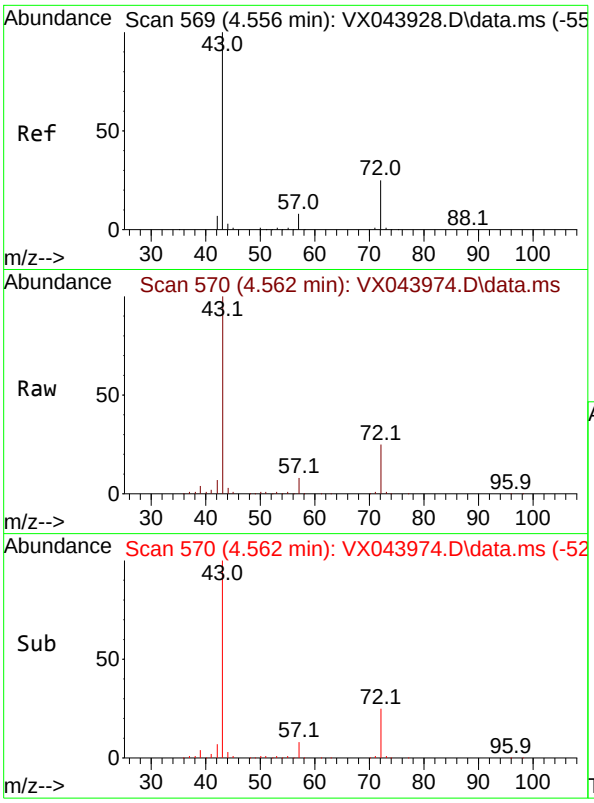




#24
1,1-Dichloroethane
Concen: 56.486 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 63 Resp: 142837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.5 | 10.6 |
| 100 | 4.6 | 2.4 | 7.1 |



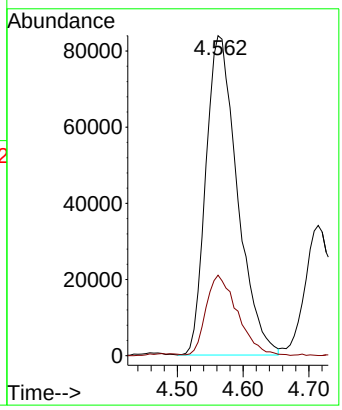


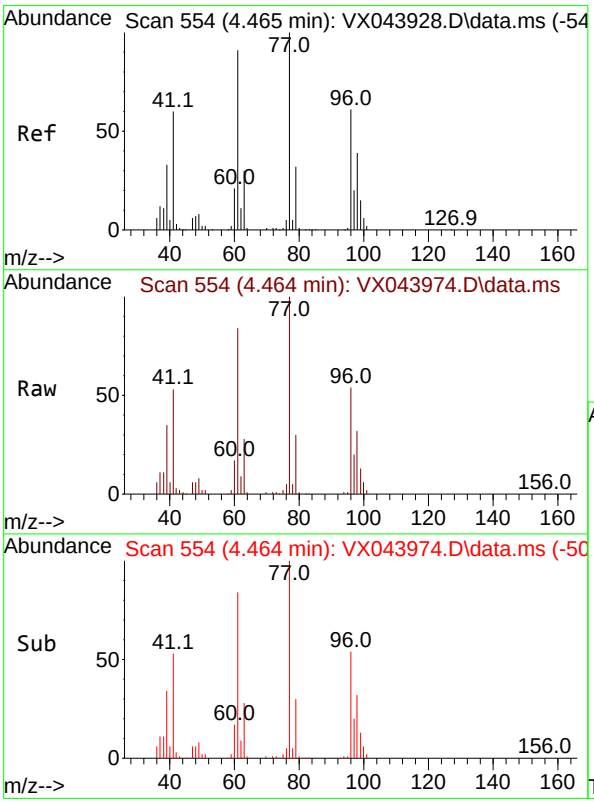

#25
2-Butanone
Concen: 252.757 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 279714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.7 | 20.2 | 30.2 |

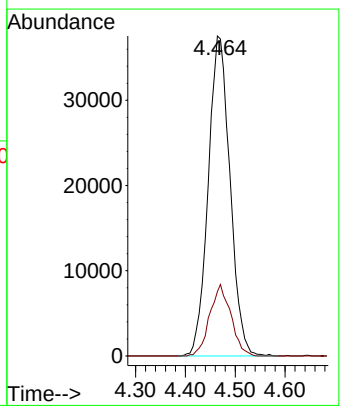


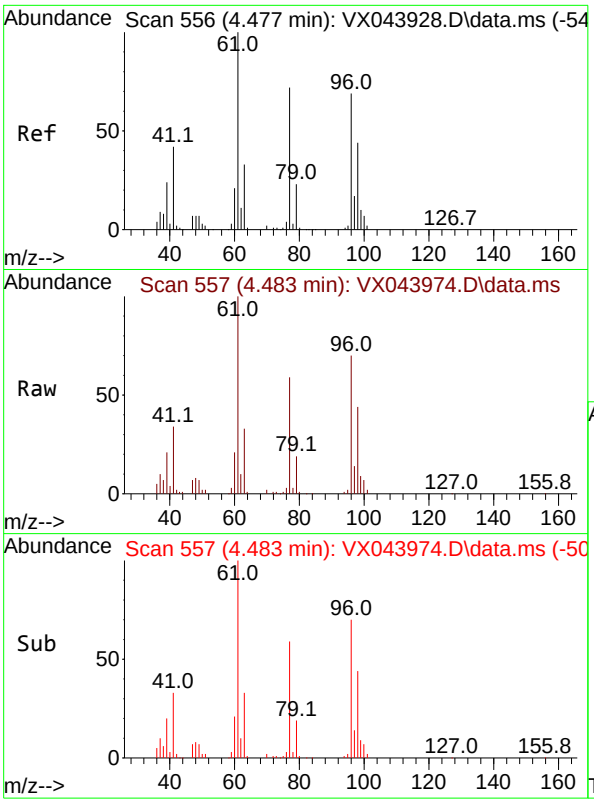




#26
2,2-Dichloropropane
Concen: 49.899 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 77 Resp: 113954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.7 | 10.8 | 32.3 |



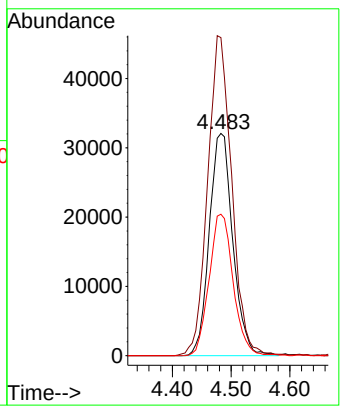


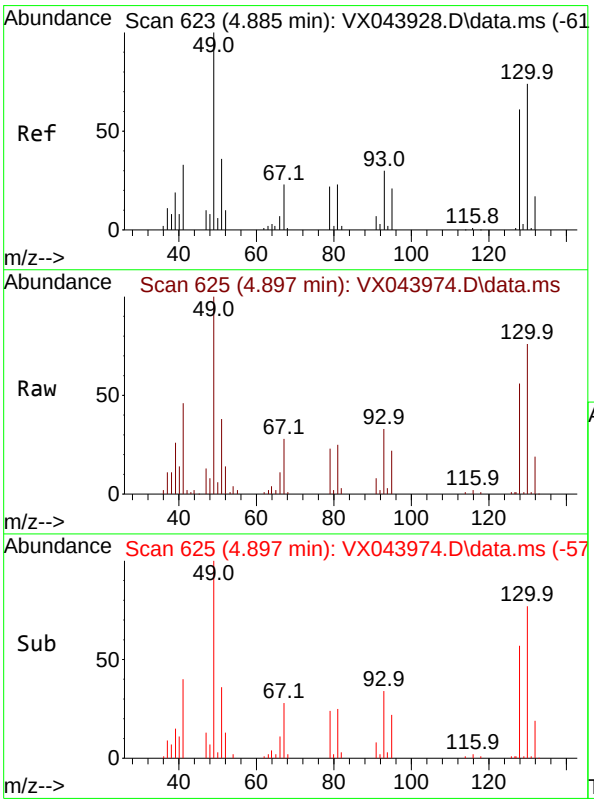

#27
cis-1,2-Dichloroethene
Concen: 55.657 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 96 Resp: 89108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 297.4 |
| 98 | 65.2 | 0.0 | 127.8 |

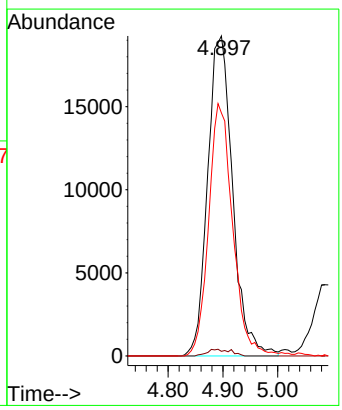


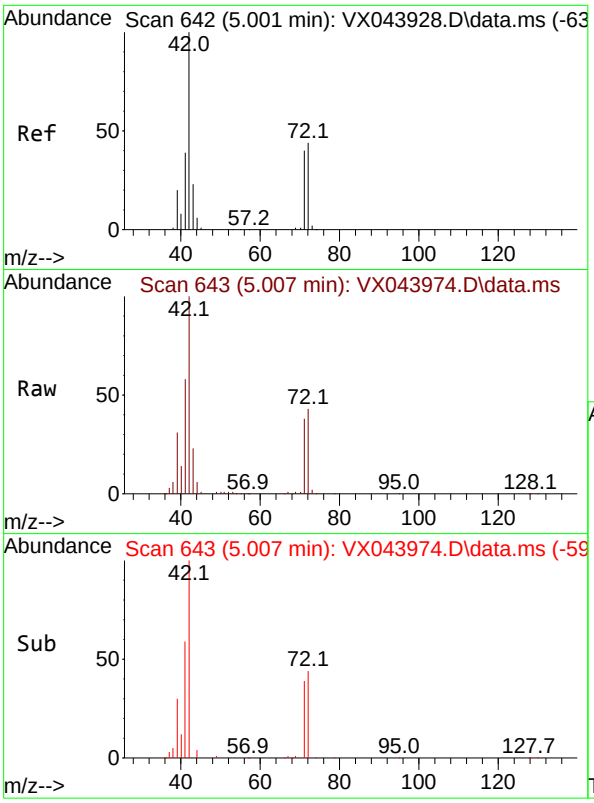




#28
Bromochloromethane
Concen: 54.782 ug/l
RT: 4.897 min Scan# 625
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 49 Resp: 60976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.0 | 0.0 | 4.0 |
| 130 | 75.7 | 59.0 | 88.6 |



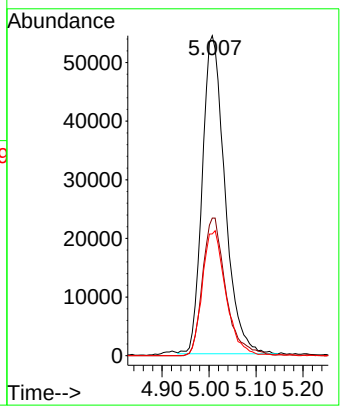


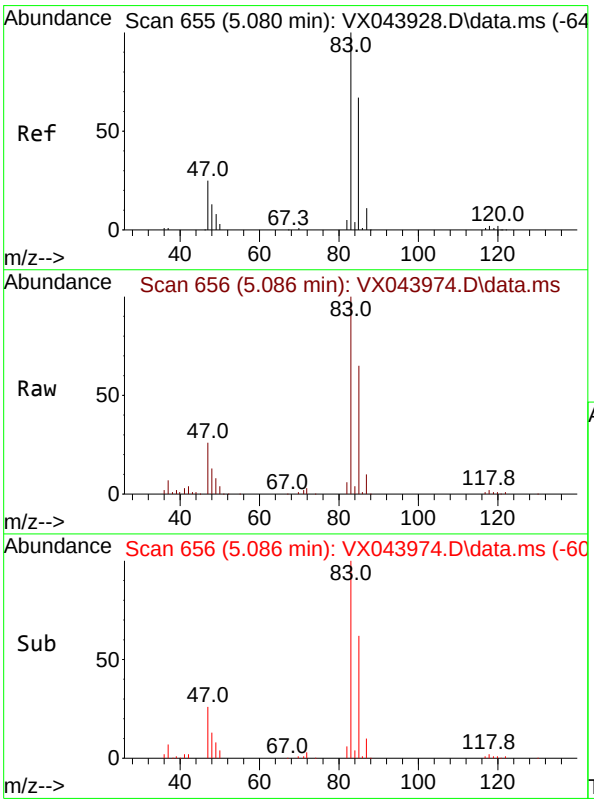

#29
Tetrahydrofuran
Concen: 266.878 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 42 Resp: 181063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.3 | 36.4 | 54.6 |
| 71 | 40.7 | 33.4 | 50.0 |

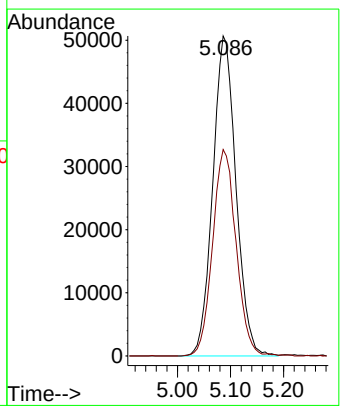


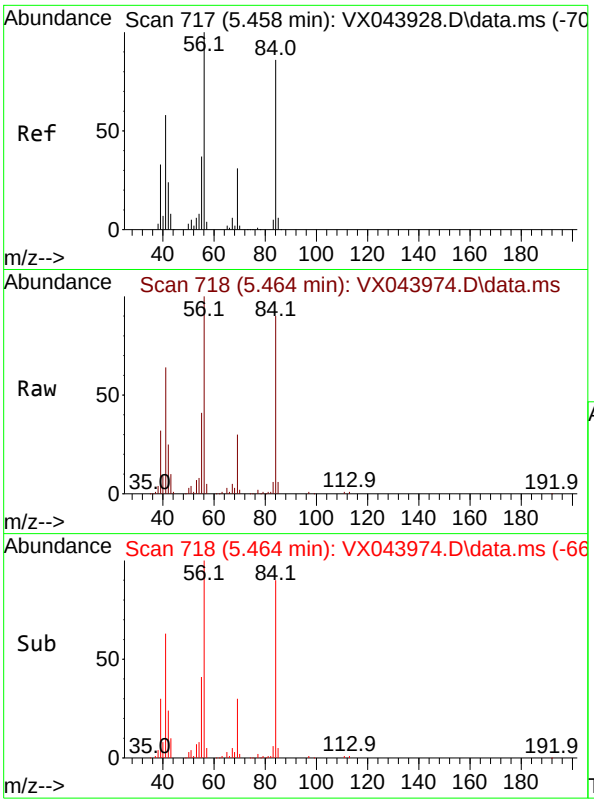




#30
Chloroform
Concen: 56.646 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 154062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.5 | 53.5 | 80.3 |



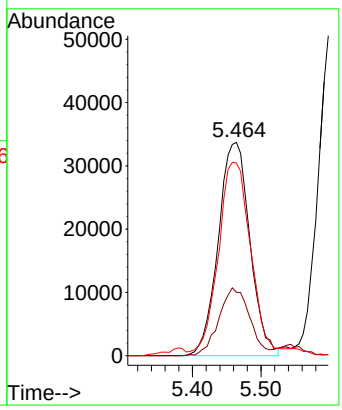


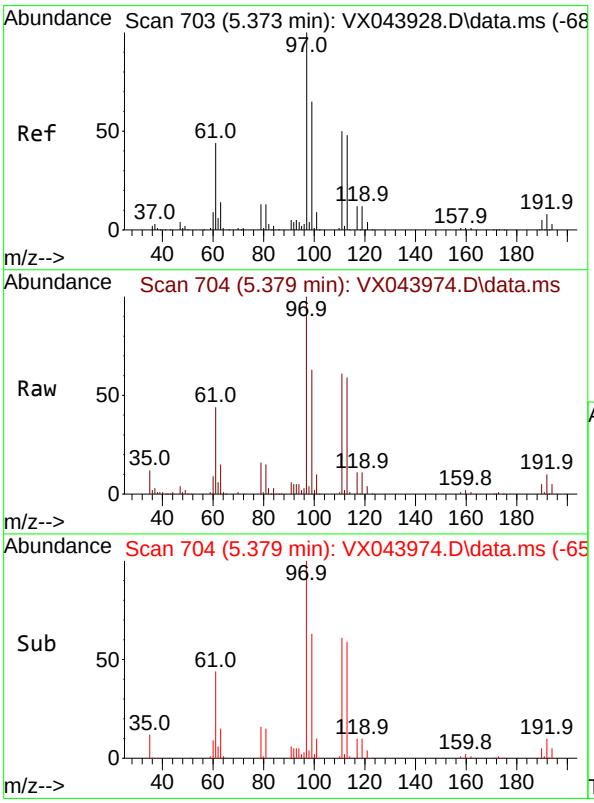

#31
Cyclohexane
Concen: 51.874 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 56 Resp: 107961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.7 | 24.7 | 37.1 |
| 84 | 86.9 | 68.7 | 103.1 |

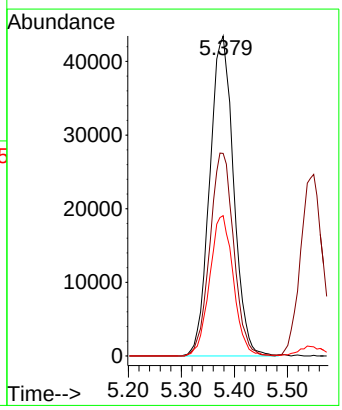


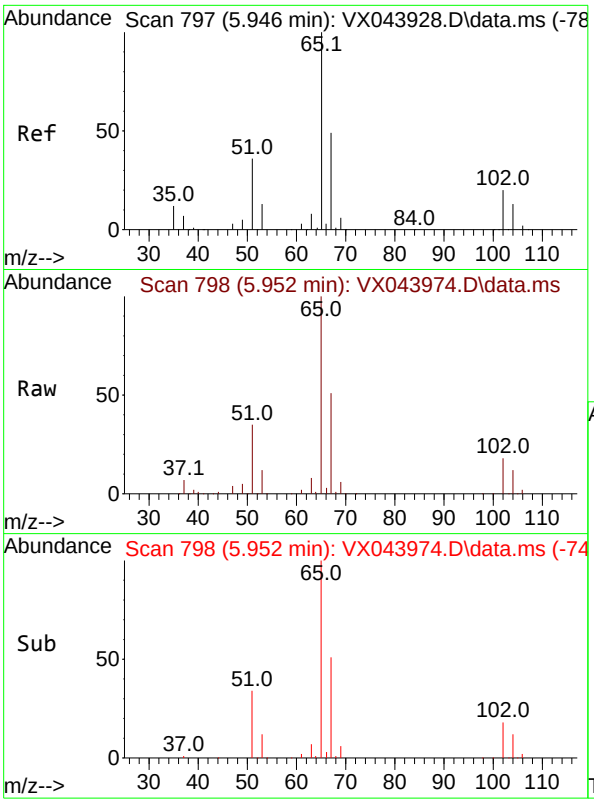




#32
1,1,1-Trichloroethane
Concen: 57.971 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 97 Resp: 135964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.8 | 76.2 |
| 61 | 43.7 | 35.4 | 53.2 |



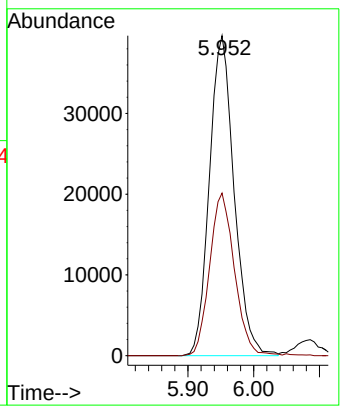


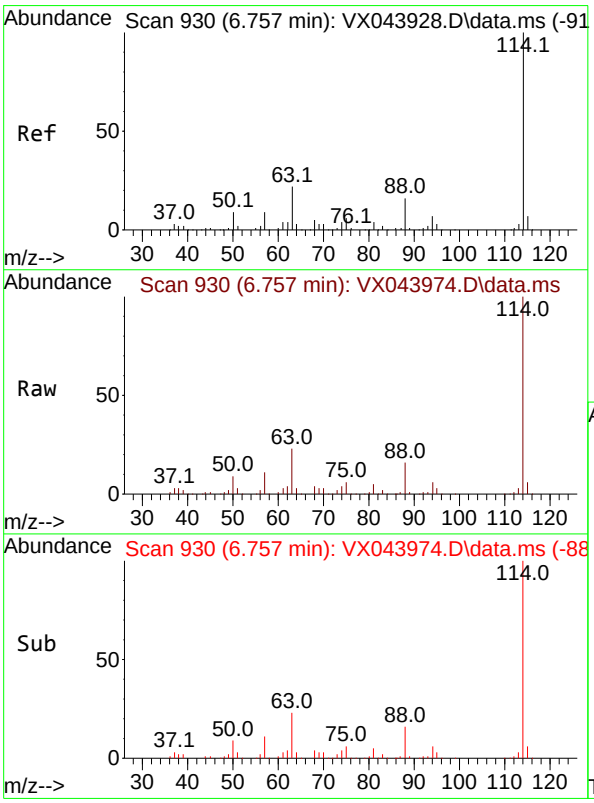

#33
1,2-Dichloroethane-d4
Concen: 55.513 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 65 Resp: 103662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 100.8 |

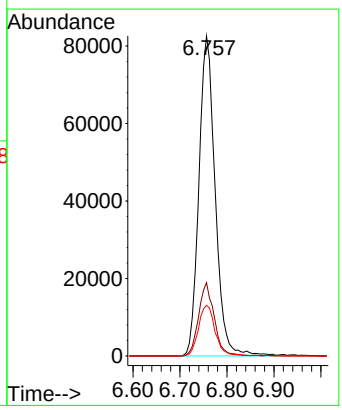


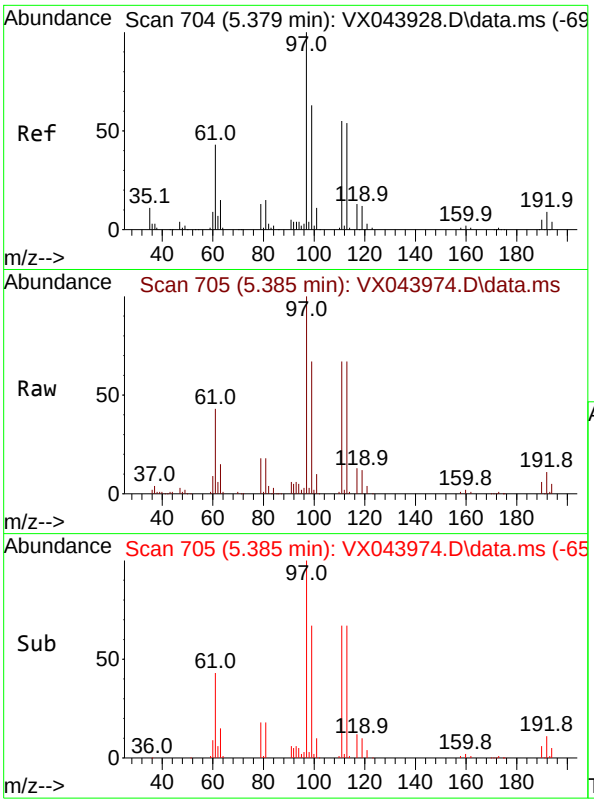




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:114 Resp: 198897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.9 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 32.4 |



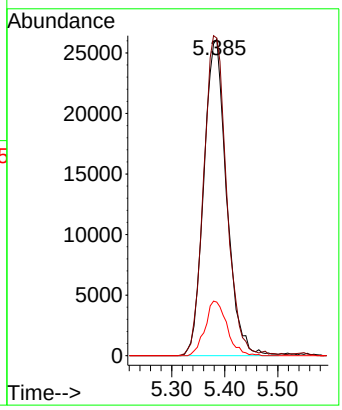


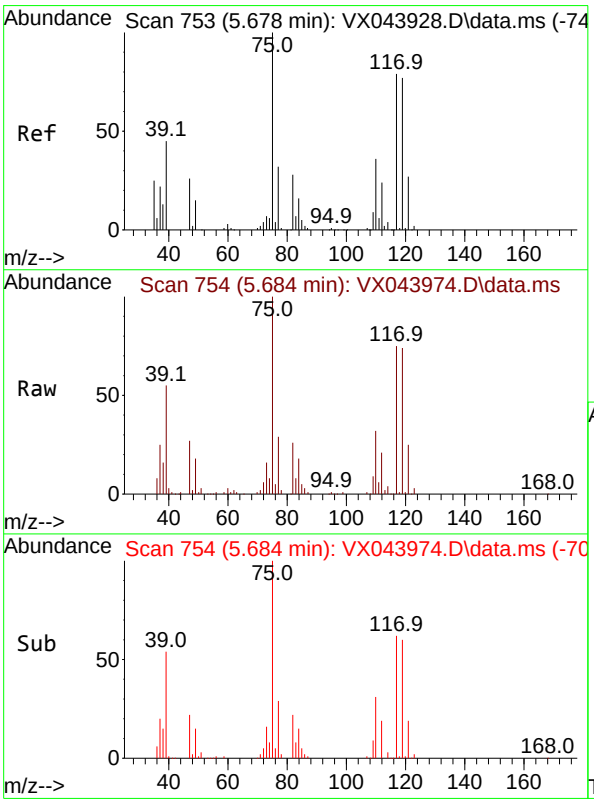

#35
Dibromofluoromethane
Concen: 54.678 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:113 Resp: 77710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 81.0 | 121.4 |
| 192 | 16.7 | 13.0 | 19.6 |

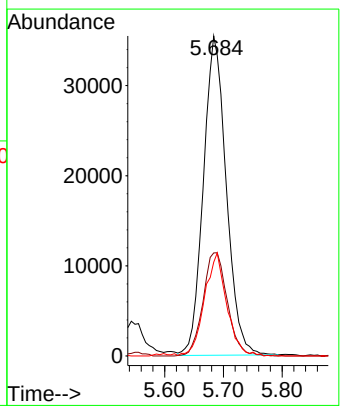


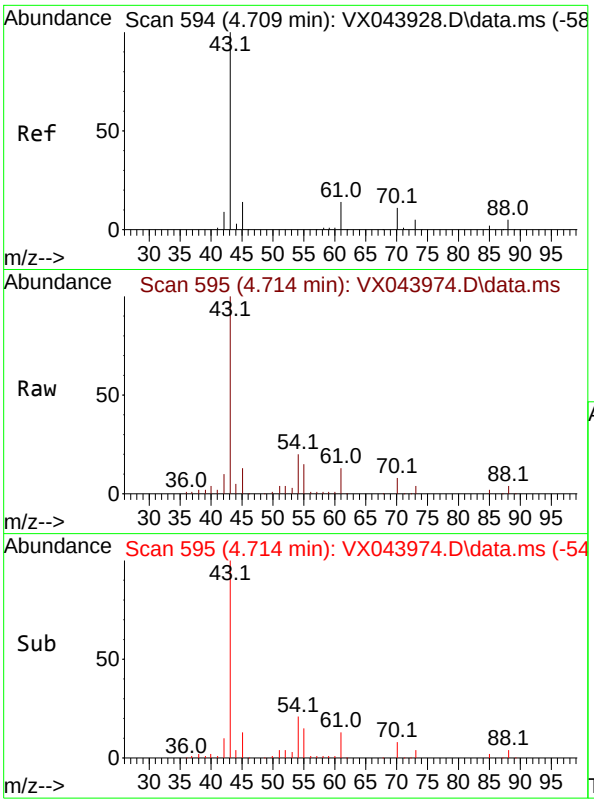




#36
1,1-Dichloropropene
Concen: 54.176 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 95946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.2 |
| 77 | 31.5 | 25.8 | 38.8 |



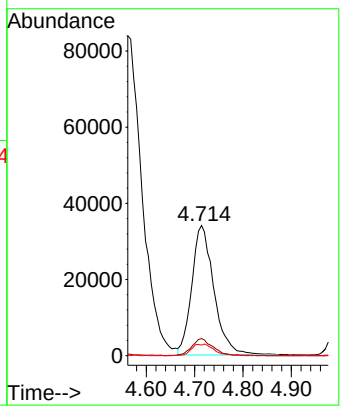


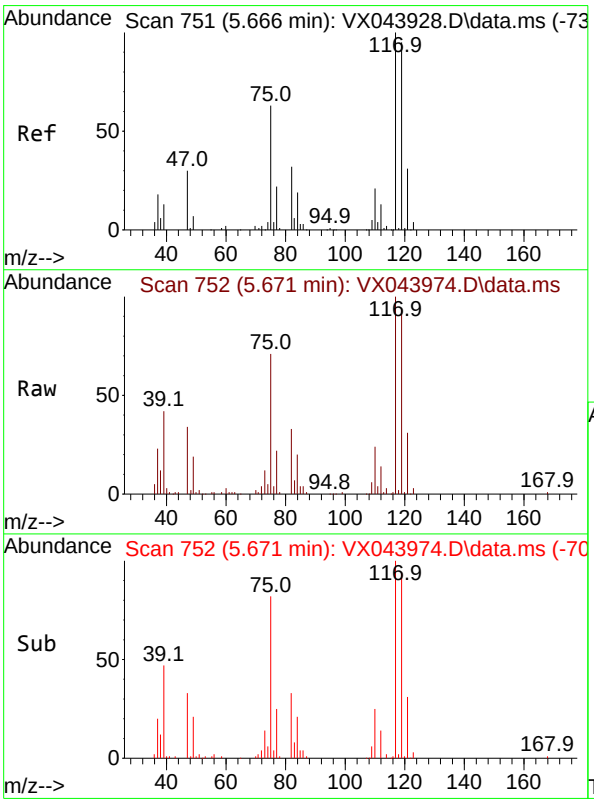

#37
Ethyl Acetate
Concen: 49.078 ug/l
RT: 4.714 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 107894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.6 | 10.7 | 16.1 |
| 70 | 9.1 | 8.0 | 12.0 |

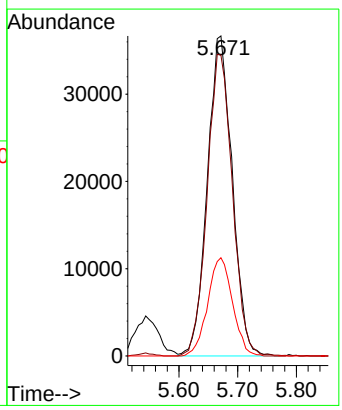


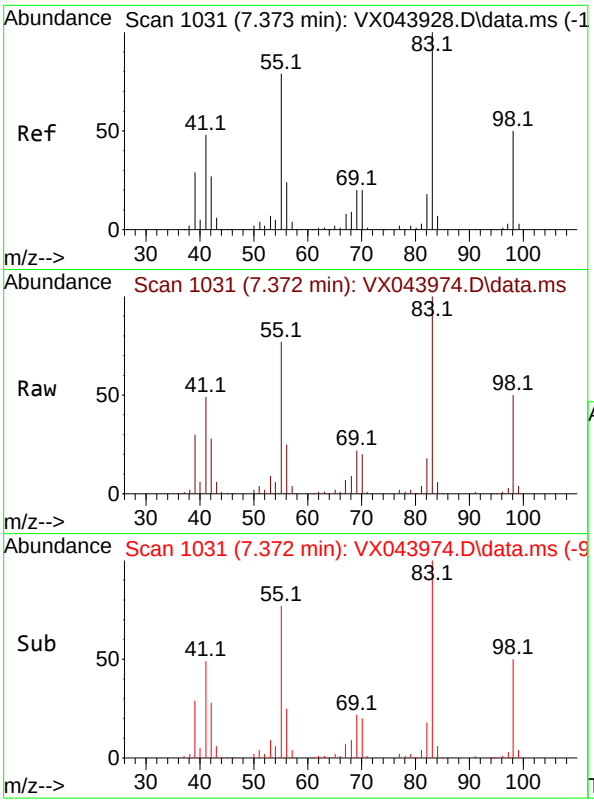




#38
Carbon Tetrachloride
Concen: 54.272 ug/l
RT: 5.671 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:117 Resp: 108000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.0 | 75.2 | 112.8 |
| 121 | 30.7 | 24.5 | 36.7 |



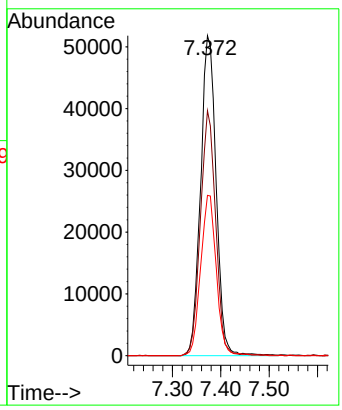


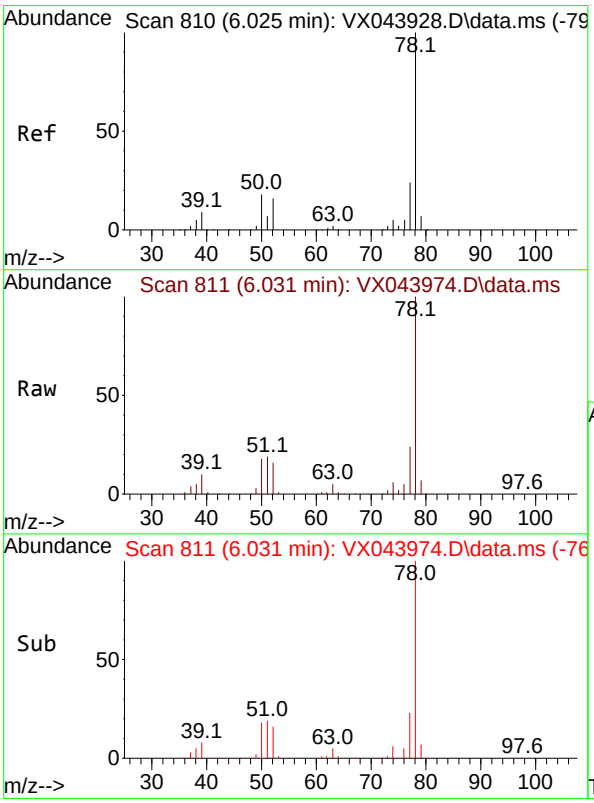

#39
Methylcyclohexane
Concen: 50.352 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 83 Resp: 115848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 63.1 | 94.7 |
| 98 | 50.1 | 40.0 | 60.0 |

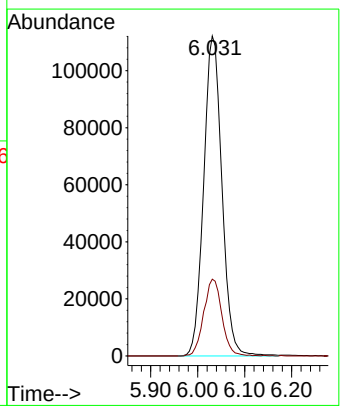


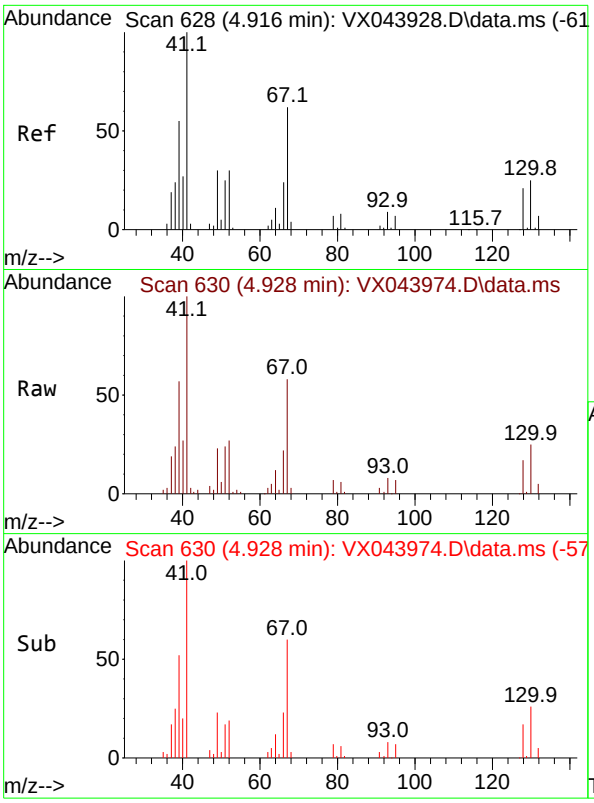




#40
Benzene
Concen: 54.777 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 78 Resp: 302182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 19.2 | 28.8 |



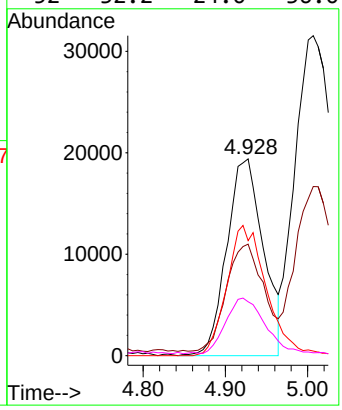


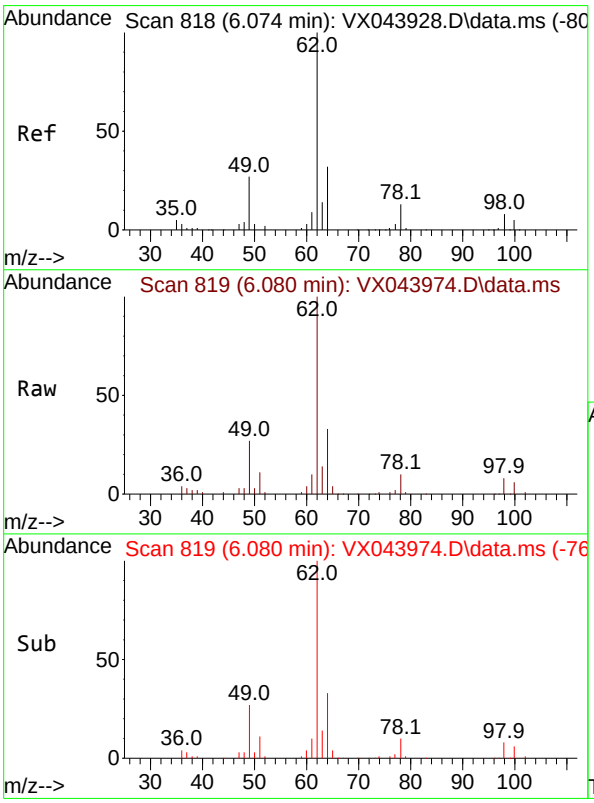

#41
Methacrylonitrile
Concen: 53.476 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 41 Resp: 60170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.6 | 41.7 | 62.5 |
| 67 | 71.3 | 55.8 | 83.8 |
| 52 | 32.2 | 24.0 | 36.0 |

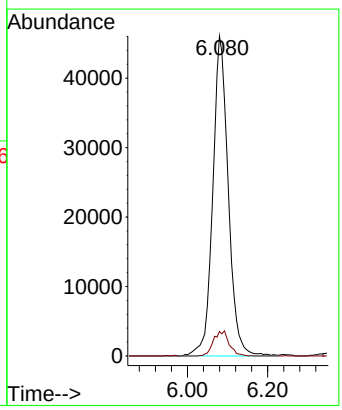


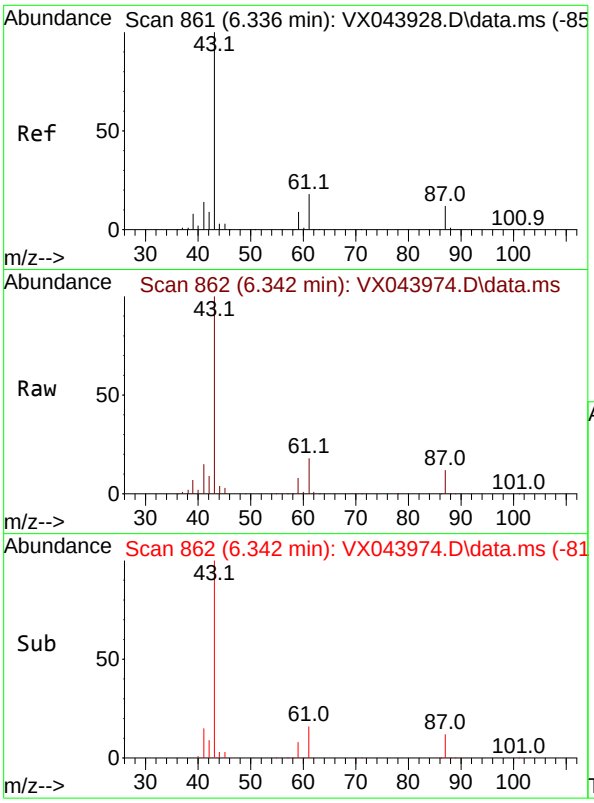




#42
1,2-Dichloroethane
Concen: 55.949 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 62 Resp: 123960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 7.9 | 0.0 | 16.4 |



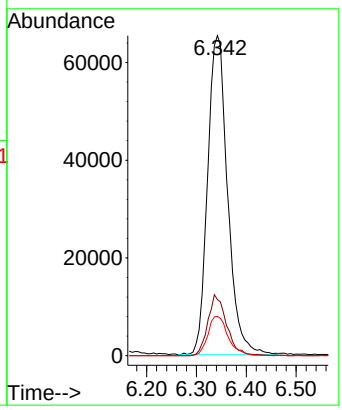


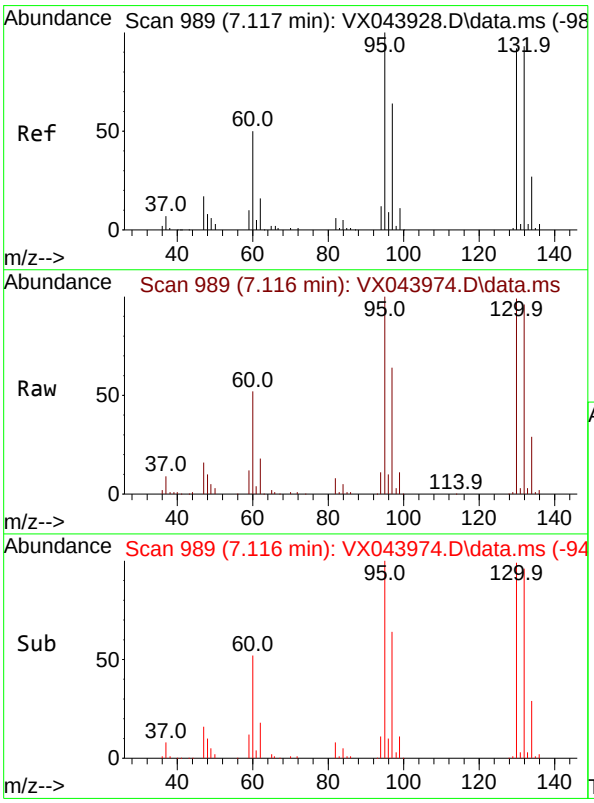

#43
Isopropyl Acetate
Concen: 52.005 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 181947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.0 | 14.5 | 21.7 |
| 87 | 12.5 | 10.2 | 15.2 |

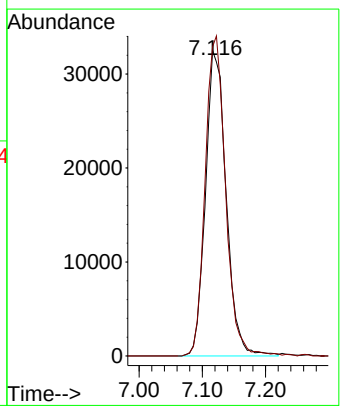


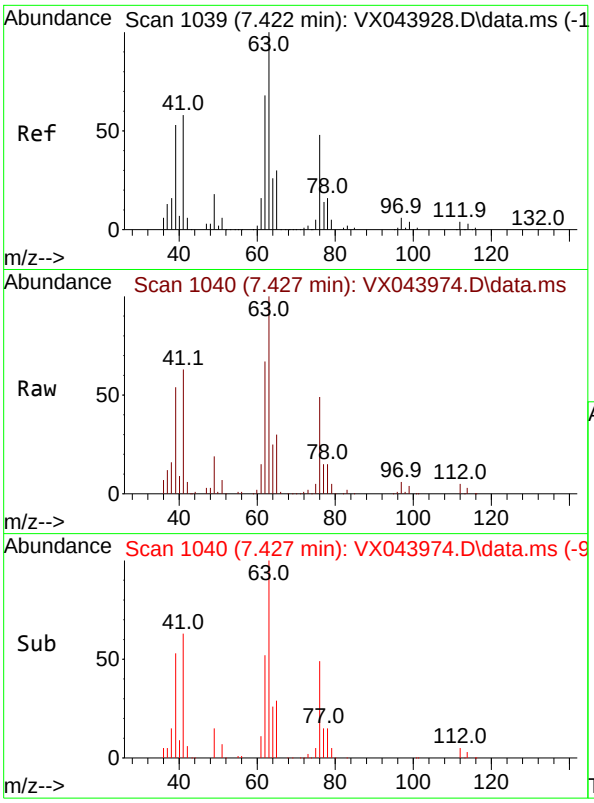




#44
Trichloroethene
Concen: 47.323 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:130 Resp: 73903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.3 | 0.0 | 217.8 |



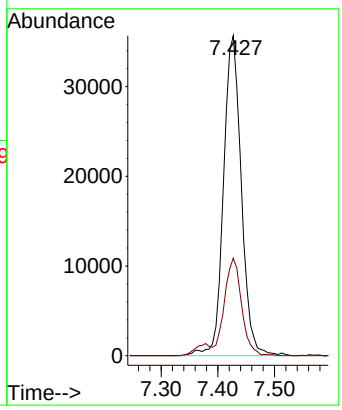


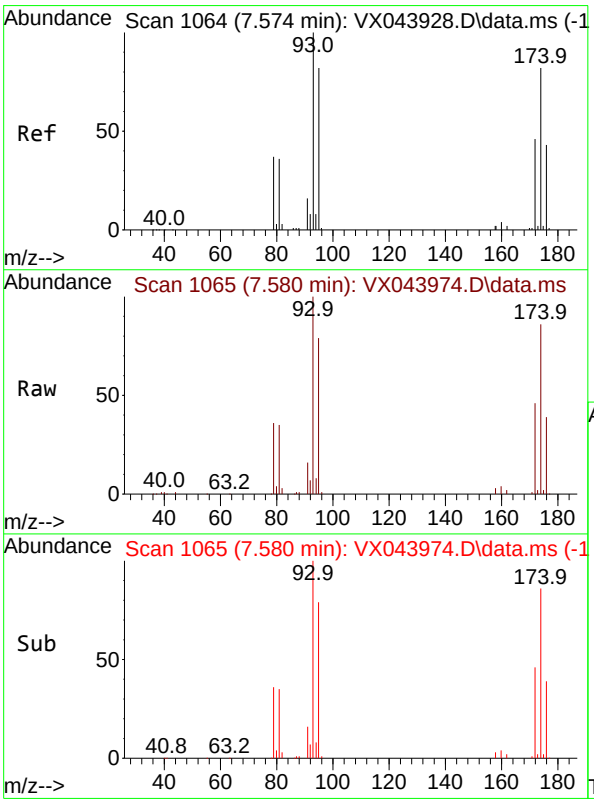

#45
1,2-Dichloropropane
Concen: 57.508 ug/l
RT: 7.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 63 Resp: 77701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.5 | 23.8 | 35.6 |

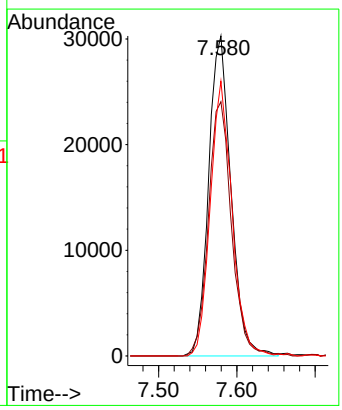


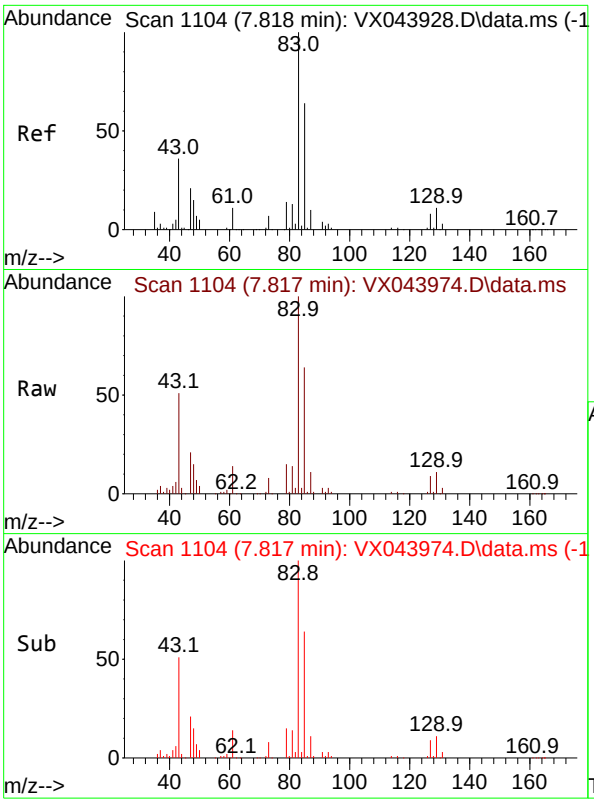




#46
Dibromomethane
Concen: 56.131 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 93 Resp: 59993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.2 | 99.4 |
| 174 | 83.5 | 69.6 | 104.4 |



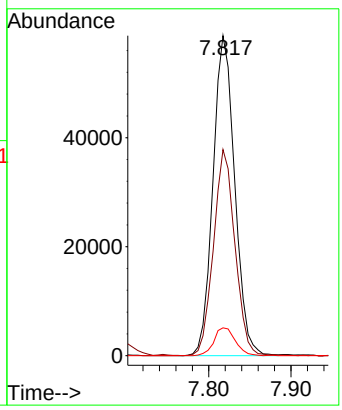


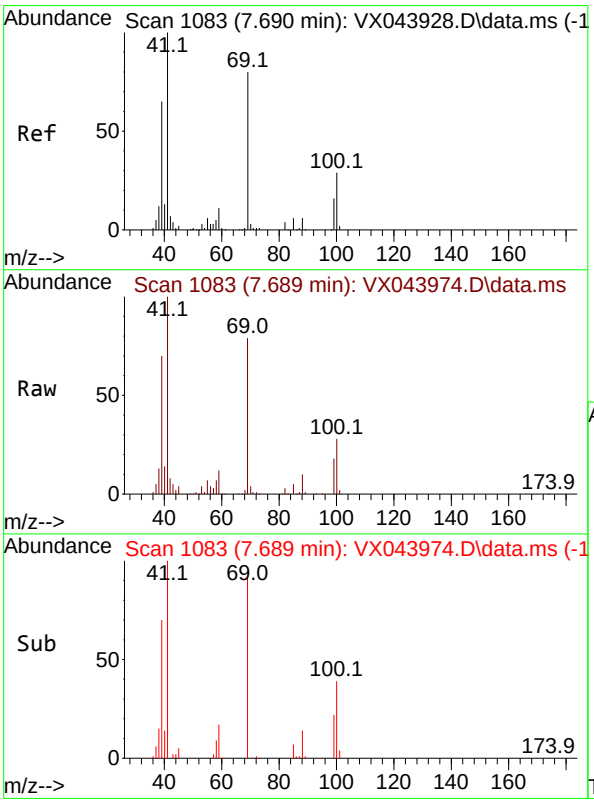

#47
Bromodichloromethane
Concen: 56.275 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 83 Resp: 107873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 51.4 | 77.0 |
| 127 | 8.7 | 6.6 | 10.0 |

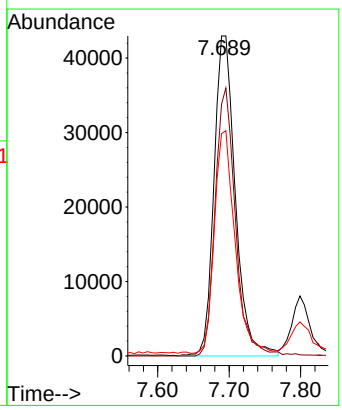


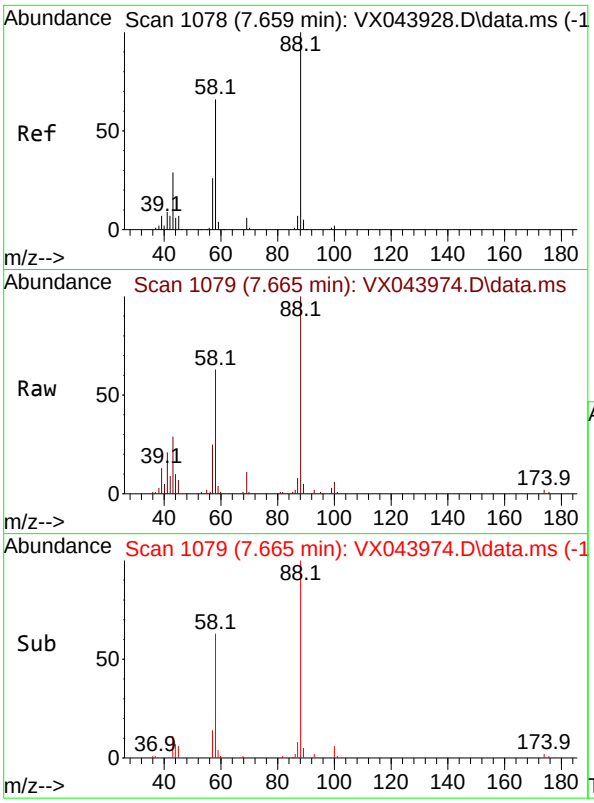




#48
Methyl methacrylate
Concen: 53.118 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 41 Resp: 89173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.0 | 64.6 | 97.0 |
| 39 | 66.9 | 53.3 | 79.9 |



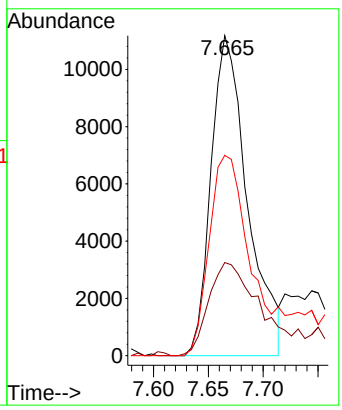


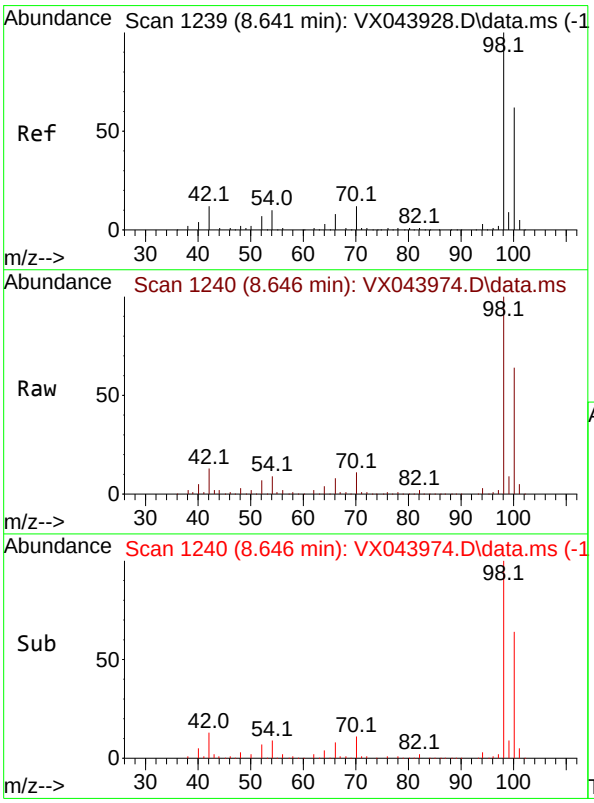

#49
1,4-Dioxane
Concen: 864.861 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 88 Resp: 25863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 42.4 | 26.8 | 40.2# |
| 58 | 73.9 | 45.4 | 68.2# |

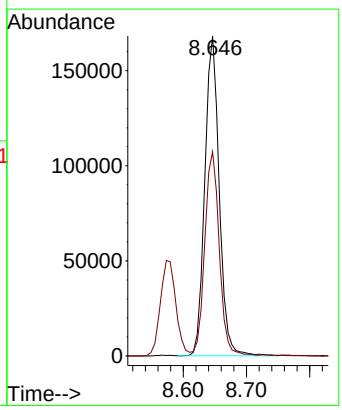


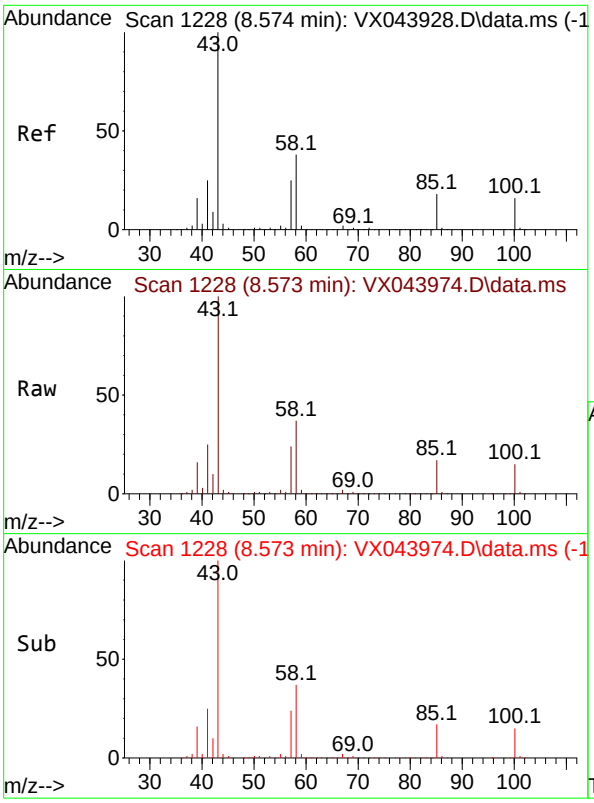




#50
Toluene-d8
Concen: 54.505 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 98 Resp: 267026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.7 | 52.6 | 79.0 |



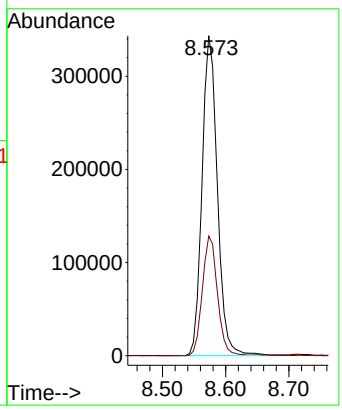


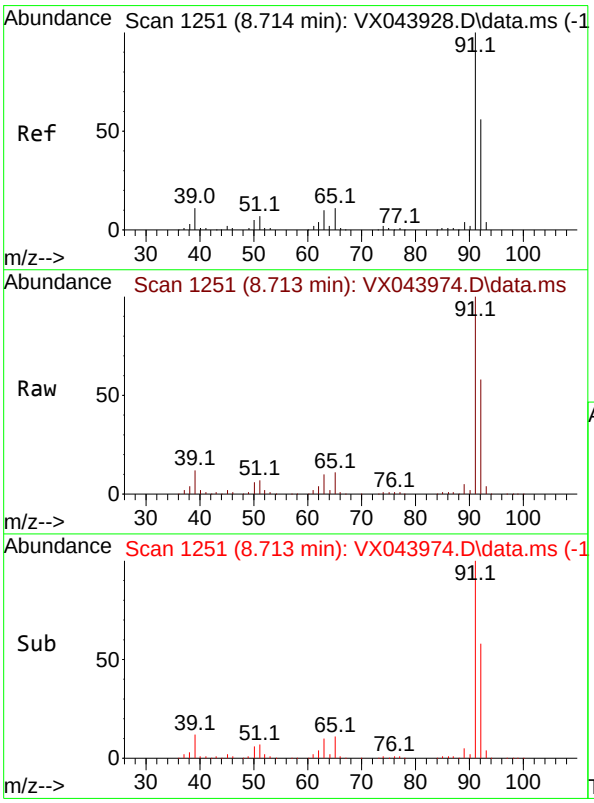

#51
4-Methyl-2-Pentanone
Concen: 271.694 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 580077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |

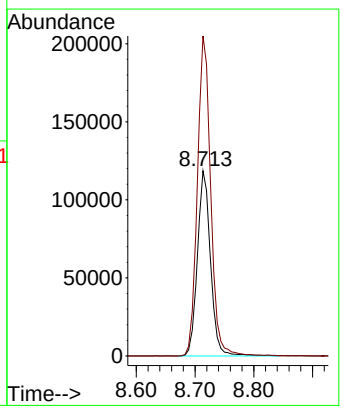


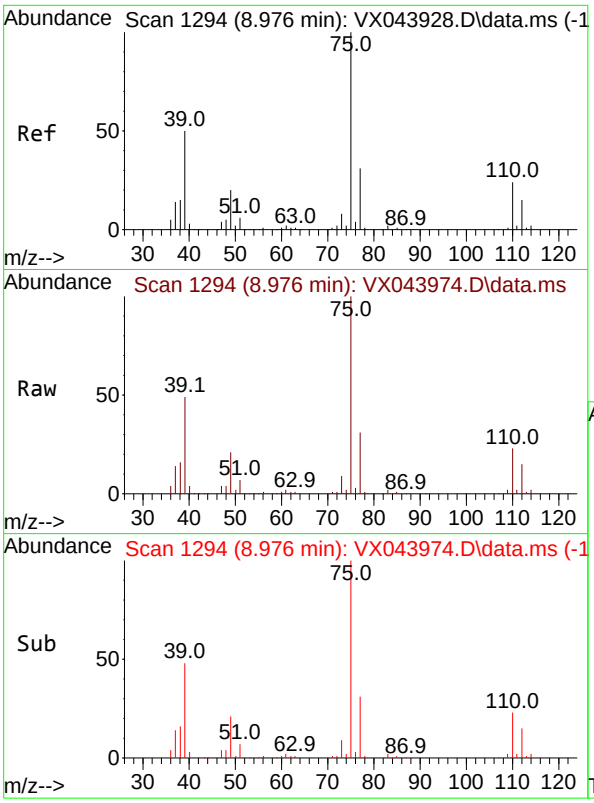




#52
Toluene
Concen: 55.795 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 92 Resp: 184227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 175.7 | 139.7 | 209.5 |



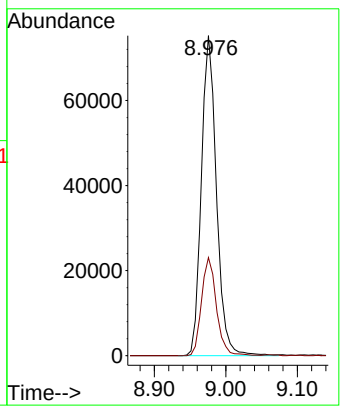


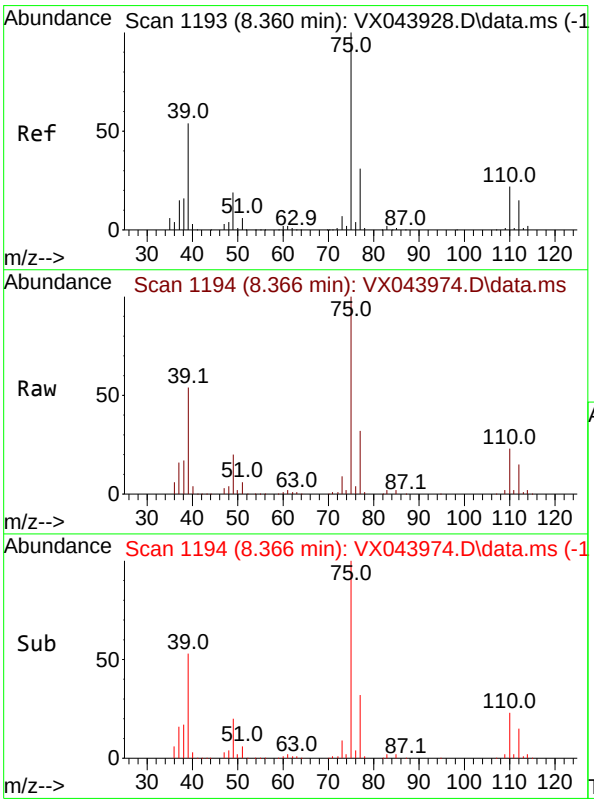

#53
t-1,3-Dichloropropene
Concen: 56.417 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 75 Resp: 110281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.1 | 37.7 |

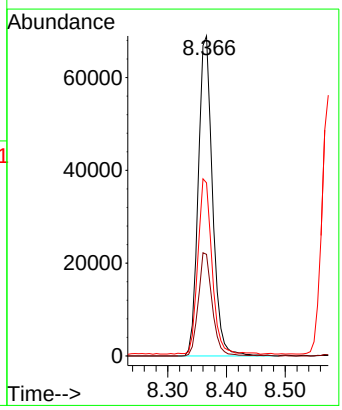


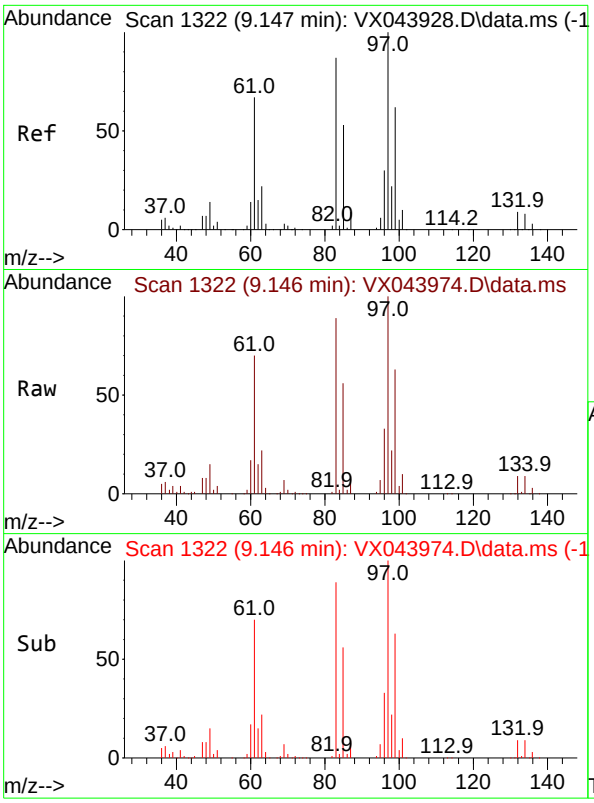




#54
cis-1,3-Dichloropropene
Concen: 54.174 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 116090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.2 | 37.8 |
| 39 | 53.5 | 43.1 | 64.7 |



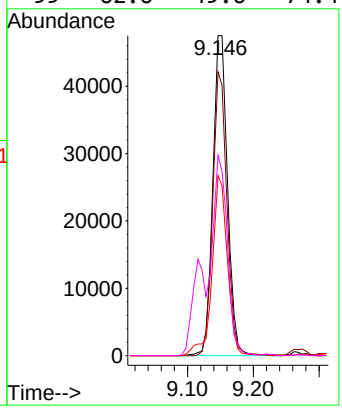


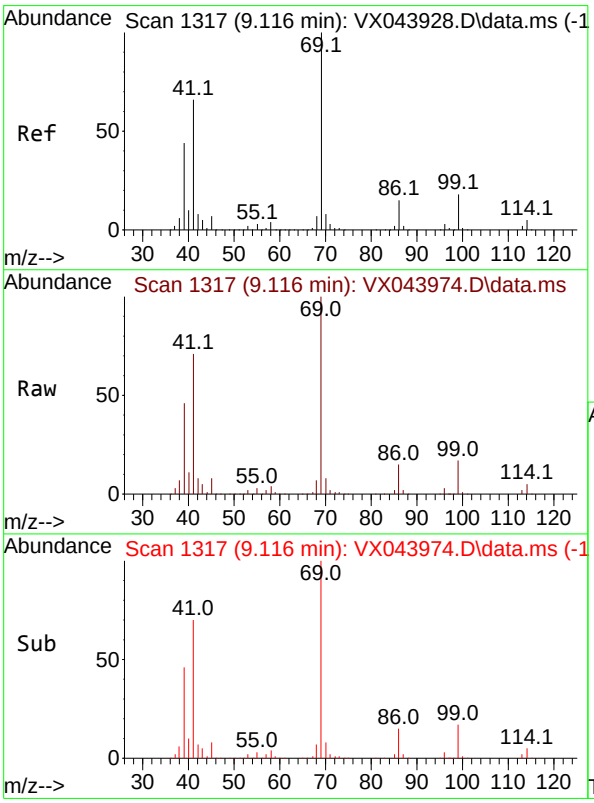

#55
1,1,2-Trichloroethane
Concen: 54.198 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 97 Resp: 73871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 88.7 | 69.4 | 104.0 |
| 85 | 56.3 | 42.3 | 63.5 |
| 99 | 62.6 | 49.6 | 74.4 |

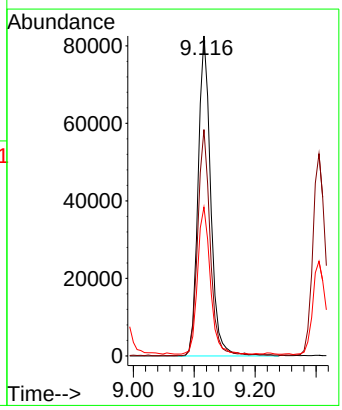


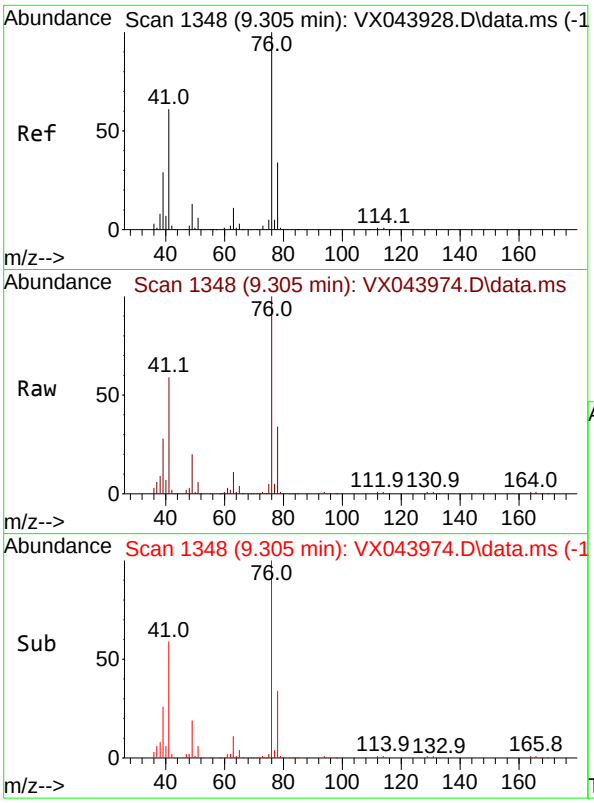




#56
Ethyl methacrylate
Concen: 55.912 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 69 Resp: 118700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.8 | 55.8 | 83.8 |
| 39 | 46.6 | 36.7 | 55.1 |



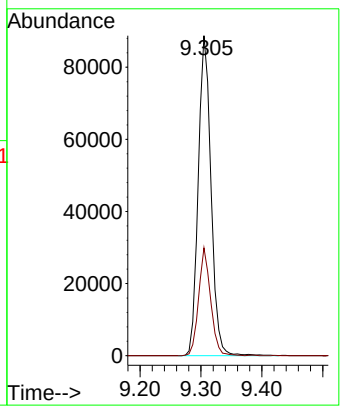


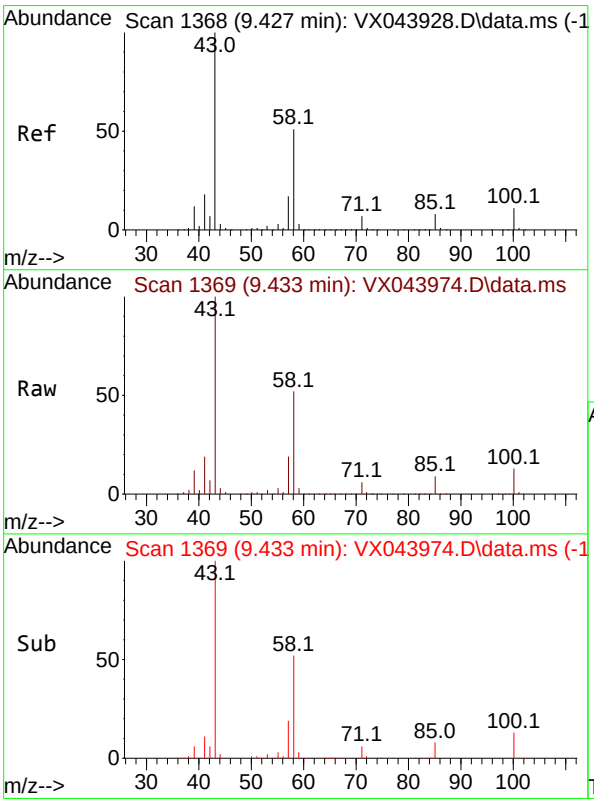

#57
1,3-Dichloropropane
Concen: 56.324 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 76 Resp: 129321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 26.0 | 39.0 |

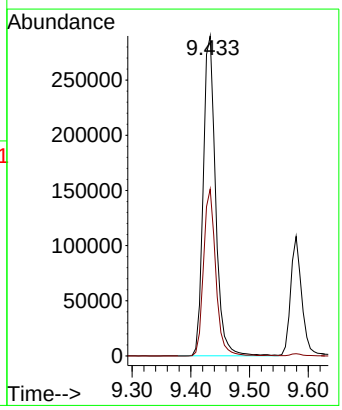


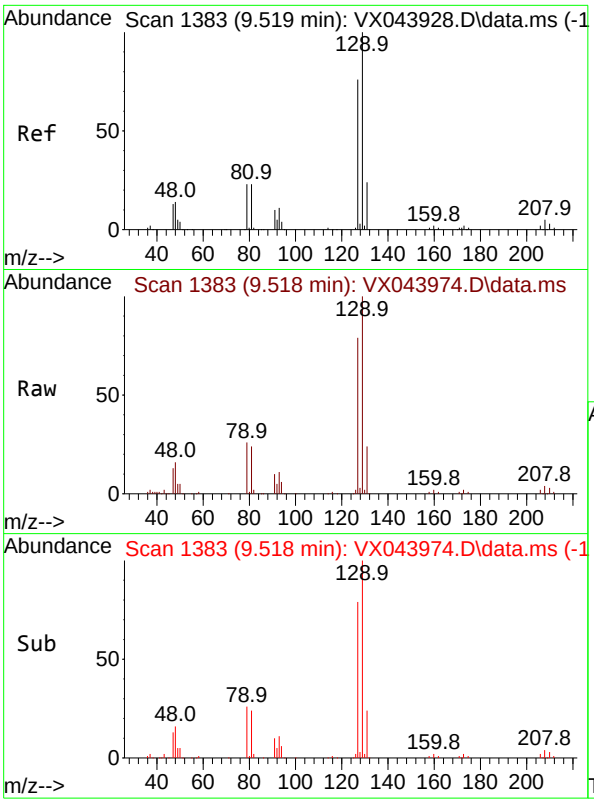




#59
2-Hexanone
Concen: 264.347 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 43 Resp: 424211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.5 | 25.9 | 77.6 |



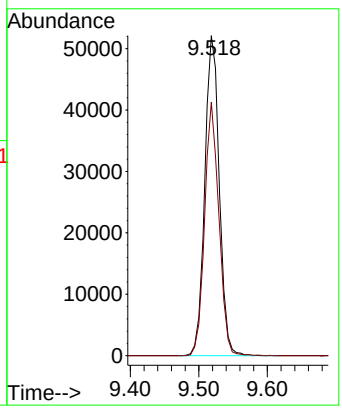


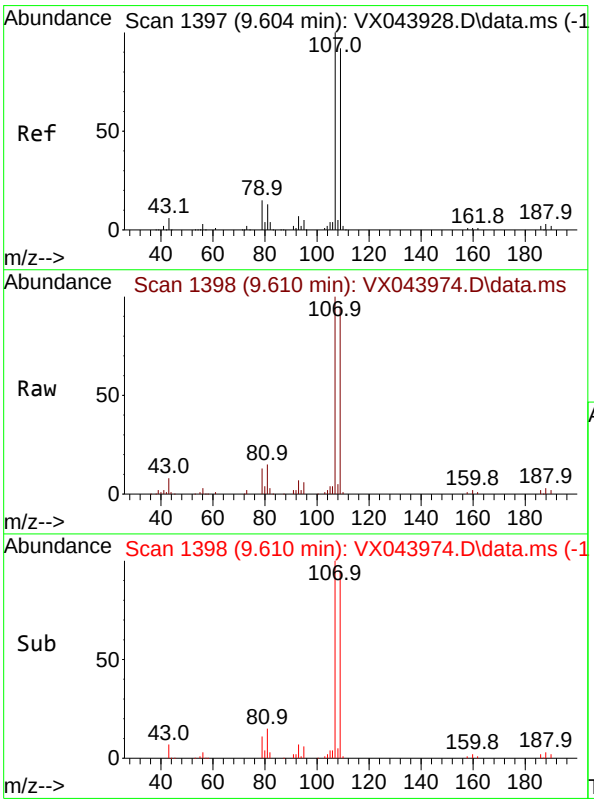

#60
Dibromochloromethane
Concen: 56.041 ug/l
RT: 9.518 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:129 Resp: 76638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.2 | 114.6 |

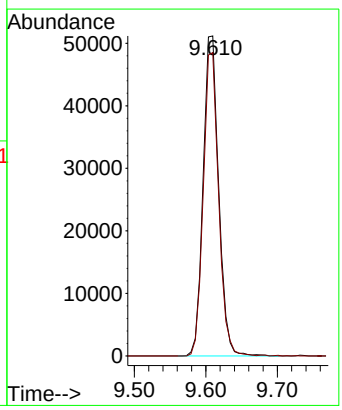


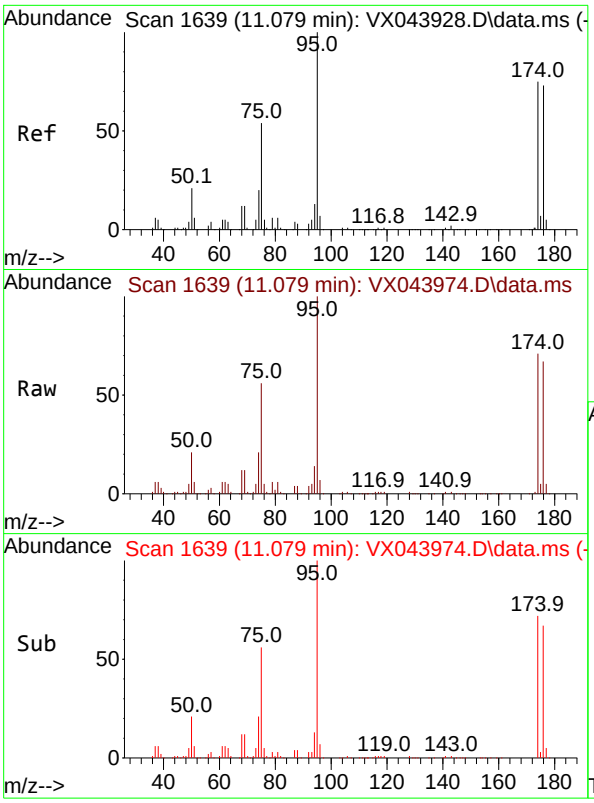




#61
1,2-Dibromoethane
Concen: 56.198 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:107 Resp: 77451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.3 | 75.2 | 112.8 |



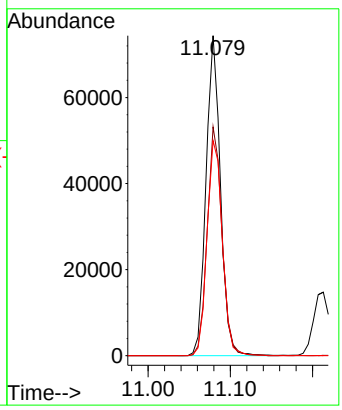


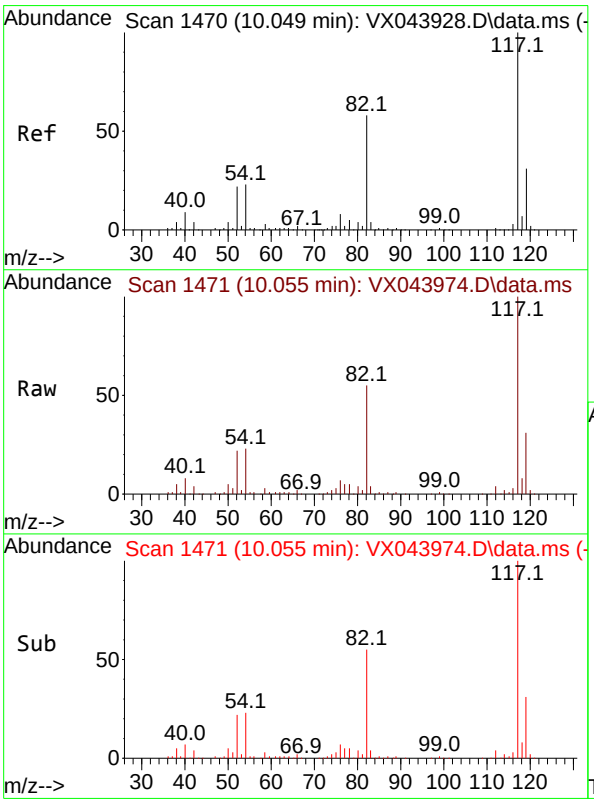

#62
4-Bromofluorobenzene
Concen: 54.229 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 95 Resp: 90415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.5 | 0.0 | 150.4 |
| 176 | 71.5 | 0.0 | 146.0 |

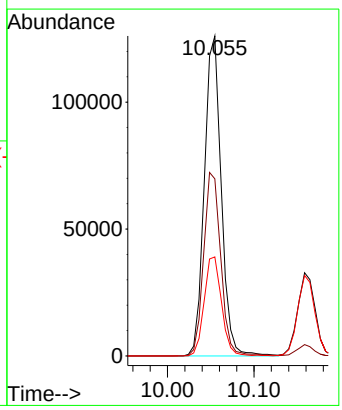


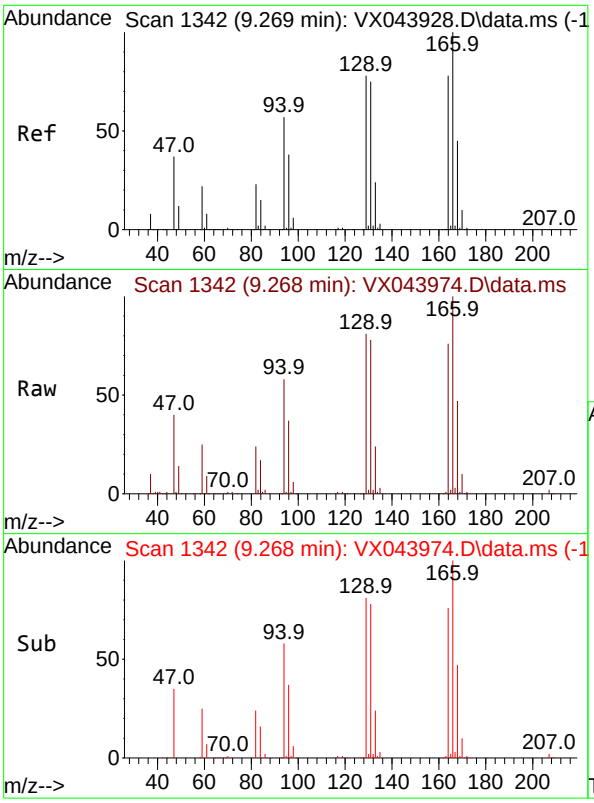




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:117 Resp: 171140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.3 | 46.4 | 69.6 |
| 119 | 31.0 | 24.6 | 37.0 |



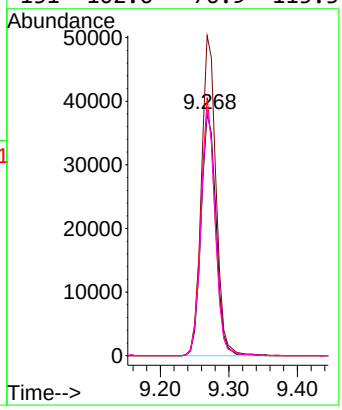


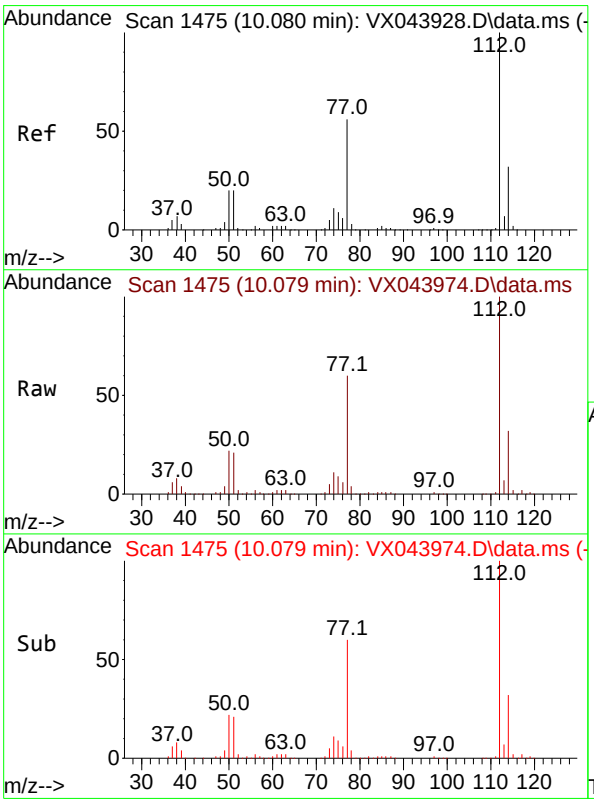

#64
Tetrachloroethene
Concen: 51.562 ug/l
RT: 9.268 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:164 Resp: 58186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 132.3 | 102.1 | 153.1 |
| 129 | 106.7 | 79.6 | 119.4 |
| 131 | 102.6 | 76.9 | 115.3 |

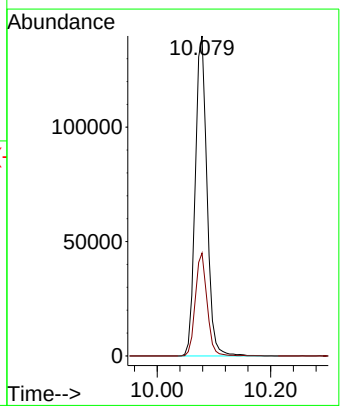


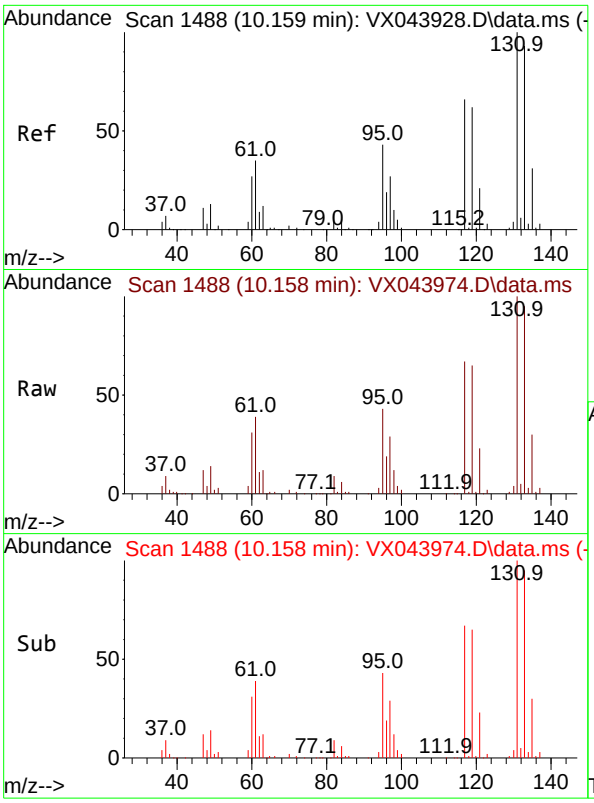




#65
Chlorobenzene
Concen: 53.480 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:112 Resp: 201017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.4 | 38.0 |



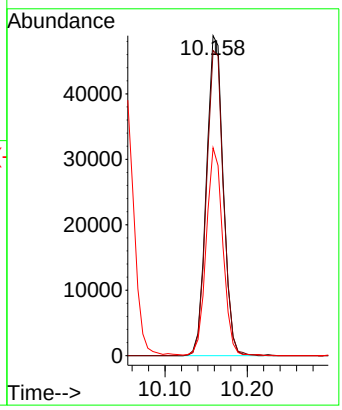


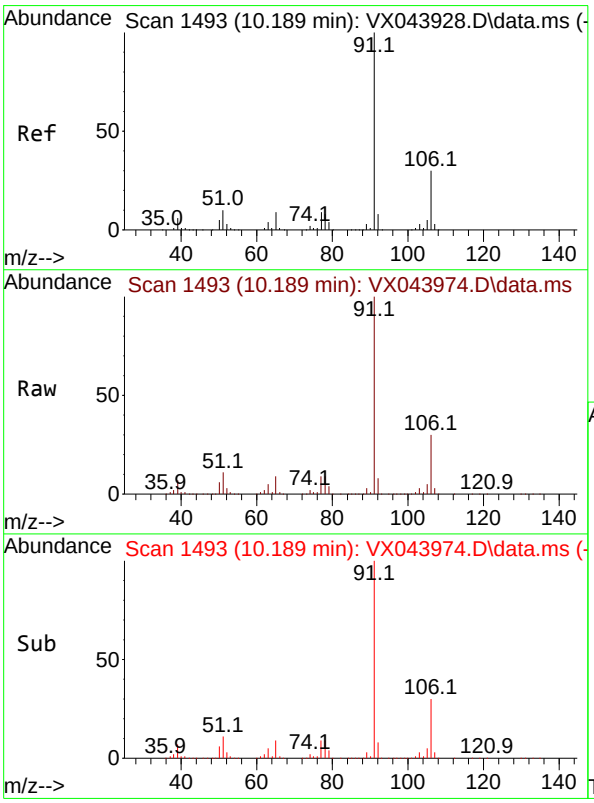

#66
1,1,1,2-Tetrachloroethane
Concen: 56.939 ug/l
RT: 10.158 min Scan# 14
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:131 Resp: 69409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.1 | 48.2 | 144.6 |
| 119 | 64.1 | 31.5 | 94.5 |

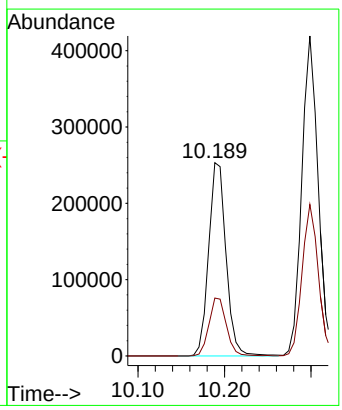


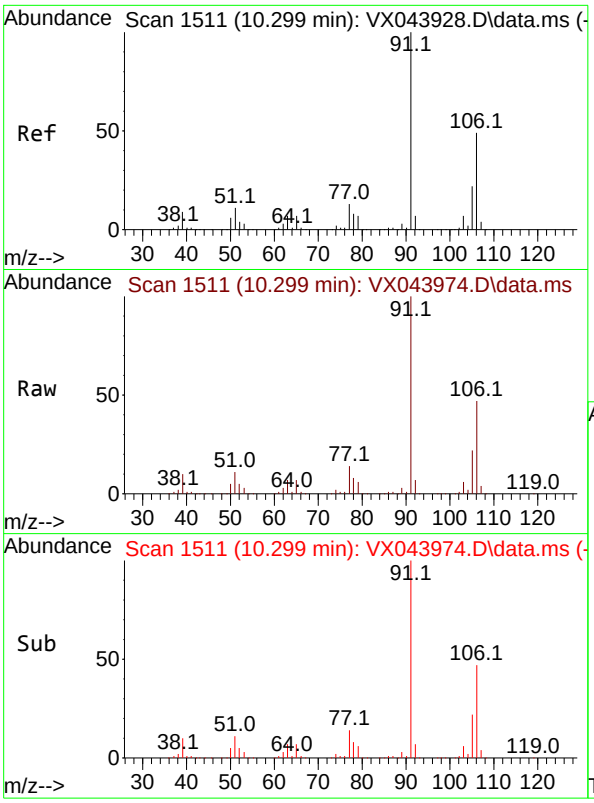




#67
Ethyl Benzene
Concen: 55.449 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 353161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 23.6 | 35.4 |



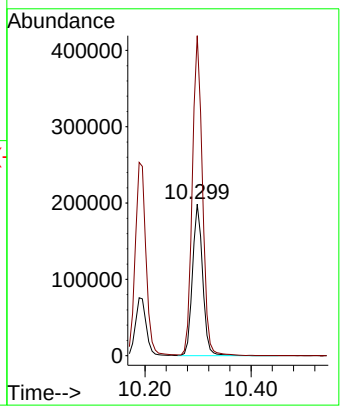


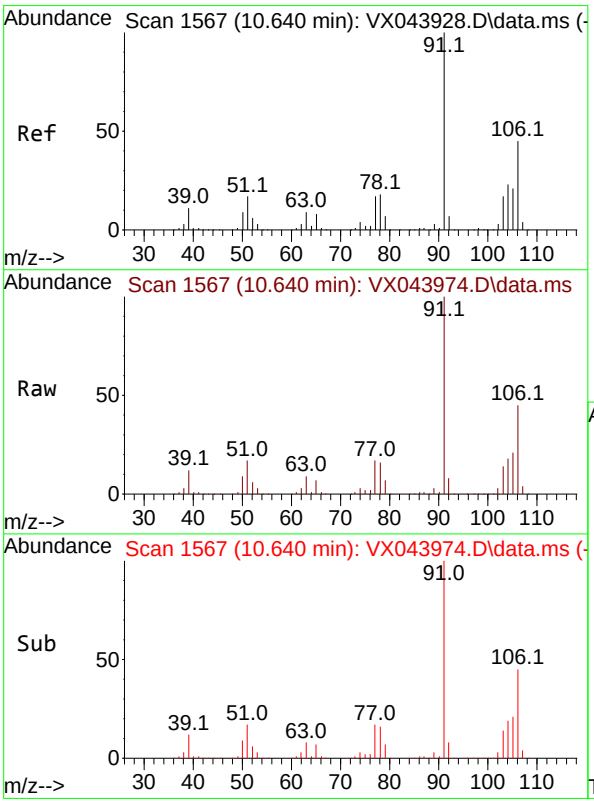

#68
m/p-Xylenes
Concen: 110.735 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:106 Resp: 263018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.3 | 168.1 | 252.1 |

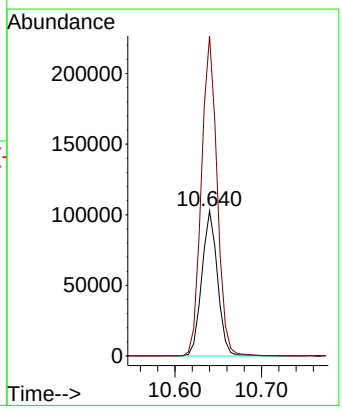


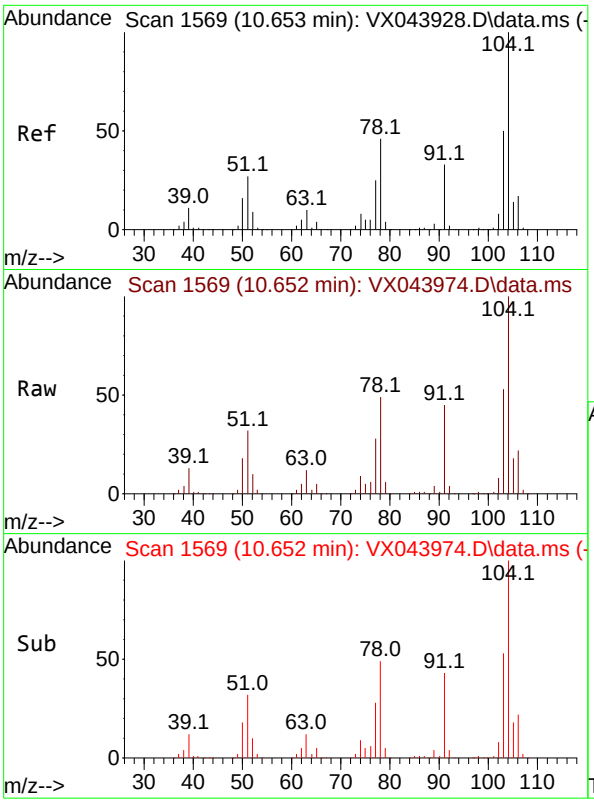




#69
o-Xylene
Concen: 55.784 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:106 Resp: 129366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.4 | 110.2 | 330.6 |



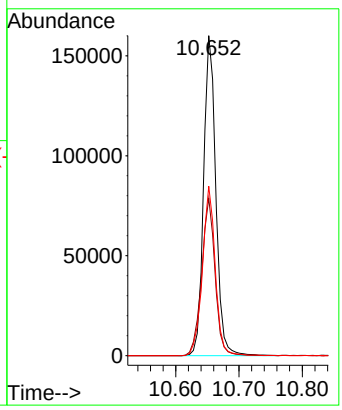


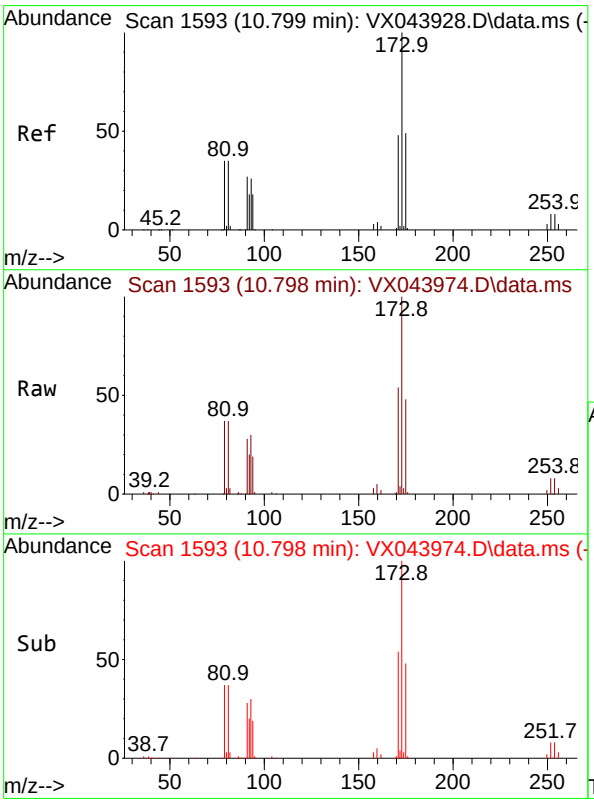

#70
Styrene
Concen: 56.375 ug/l
RT: 10.652 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:104 Resp: 216231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.8 | 42.2 | 63.2 |
| 103 | 55.5 | 44.7 | 67.1 |

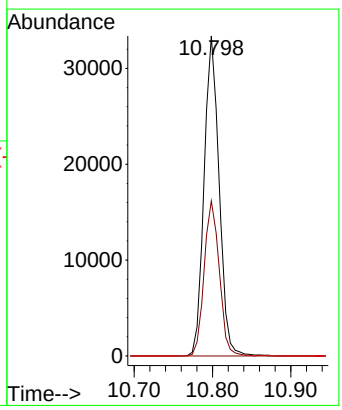


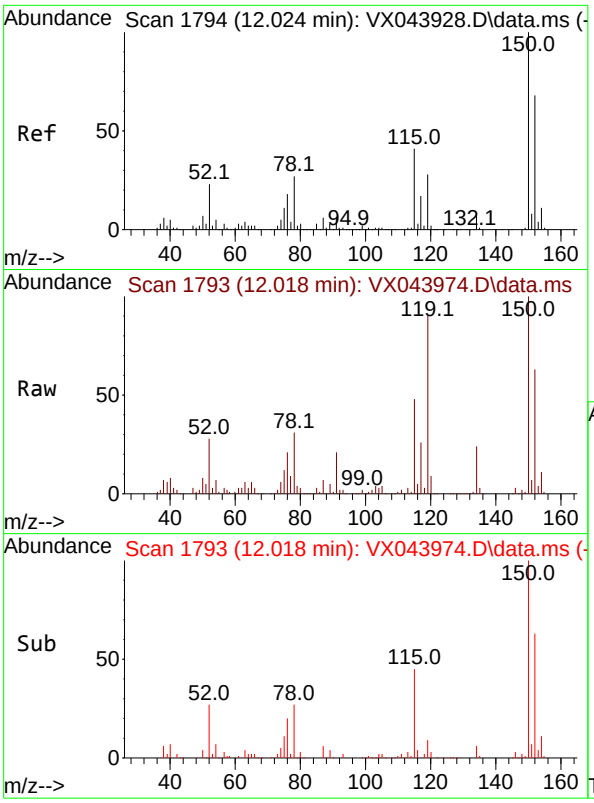




#71
Bromoform
Concen: 48.125 ug/l
RT: 10.798 min Scan# 1593
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:173 Resp: 44443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |



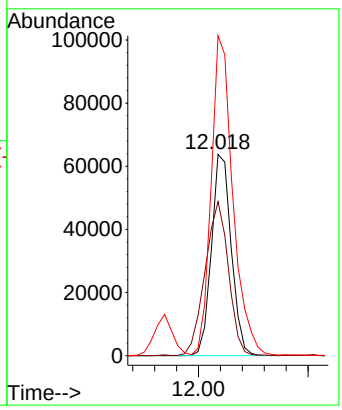


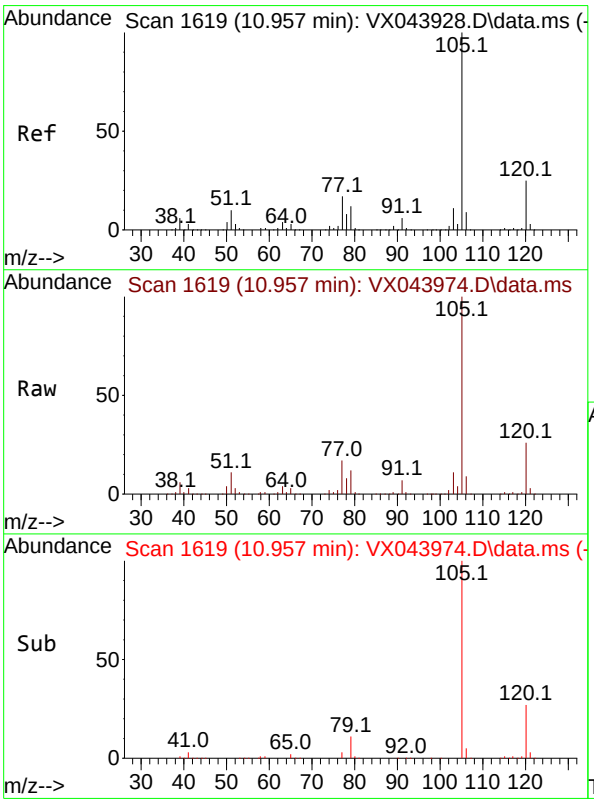

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.007 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:152 Resp: 79942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.8 | 45.4 | 136.2 |
| 150 | 174.5 | 0.0 | 353.0 |

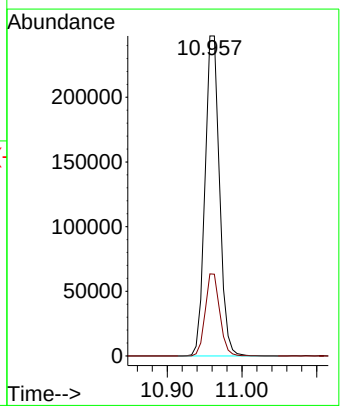


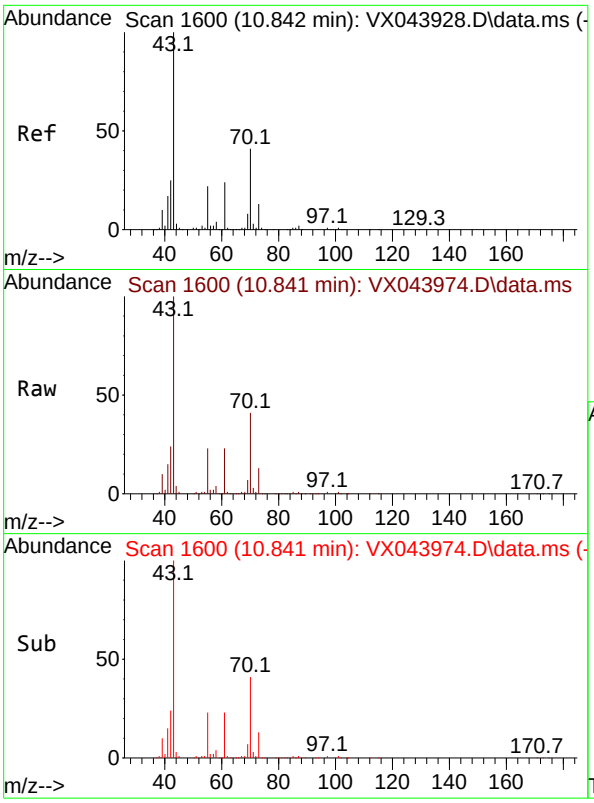




#73
Isopropylbenzene
Concen: 54.156 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:105 Resp: 332792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 13.0 | 38.9 |



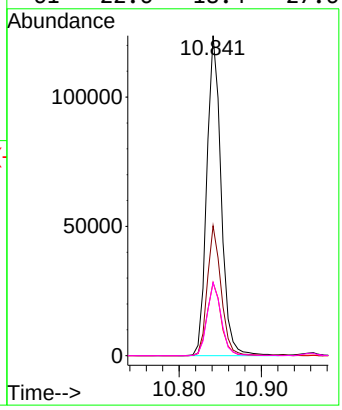


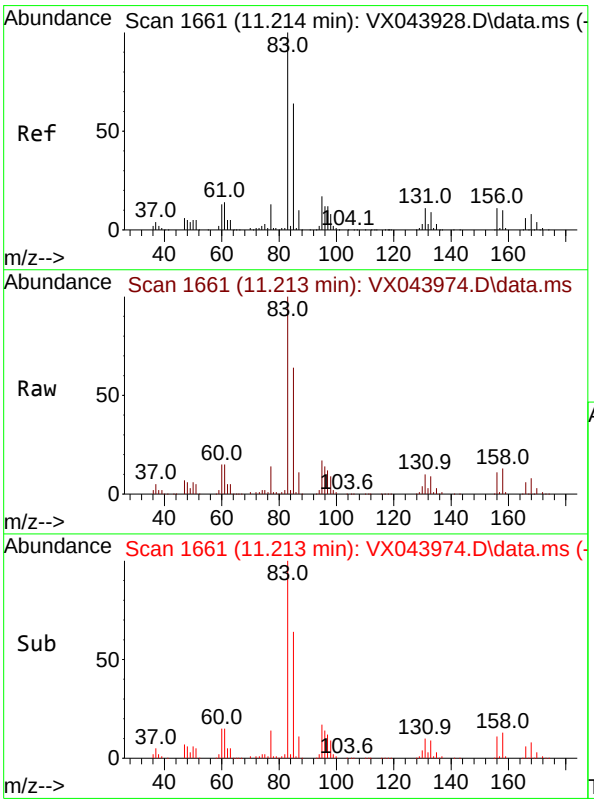

#74
N-amyl acetate
Concen: 52.630 ug/l
RT: 10.841 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 43 Resp: 149823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.1 | 32.2 | 48.2 |
| 55 | 22.6 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |

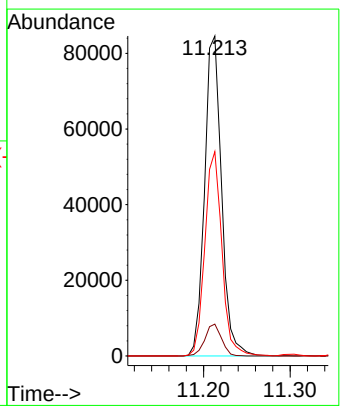


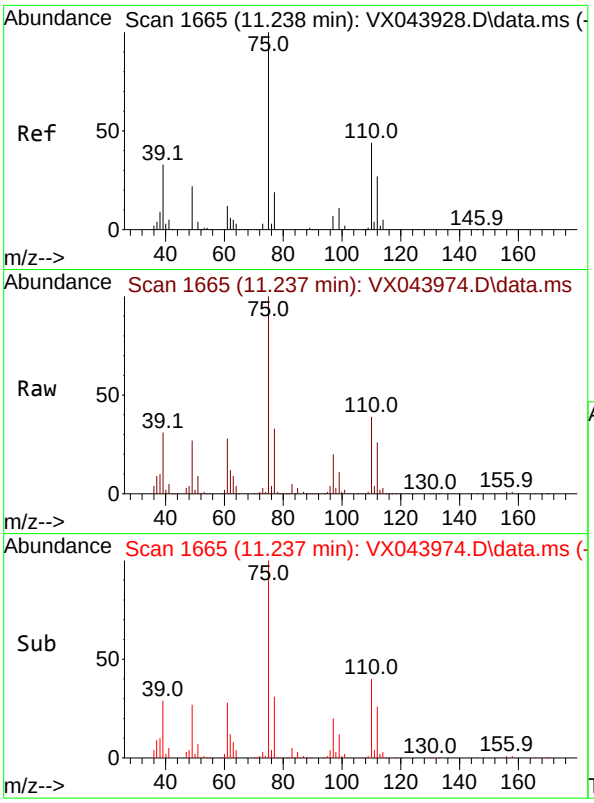




#75
1,1,2,2-Tetrachloroethane
Concen: 54.764 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 83 Resp: 115231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.1 | 15.2 |
| 85 | 64.1 | 32.2 | 96.6 |



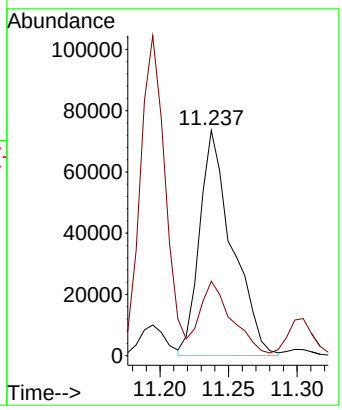


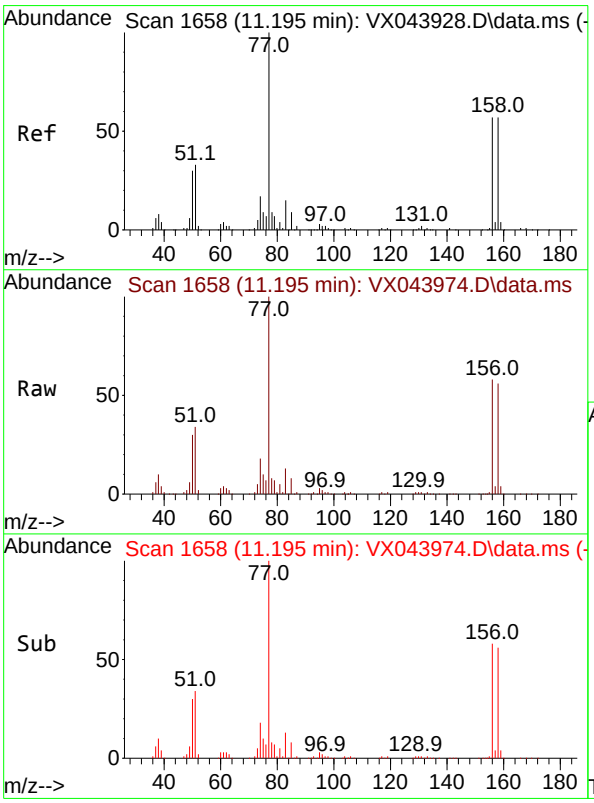

#76
1,2,3-Trichloropropane
Concen: 69.588 ug/l
RT: 11.237 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 75 Resp: 121995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 21.8 | 65.3 |

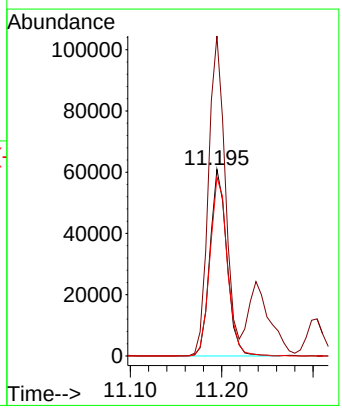


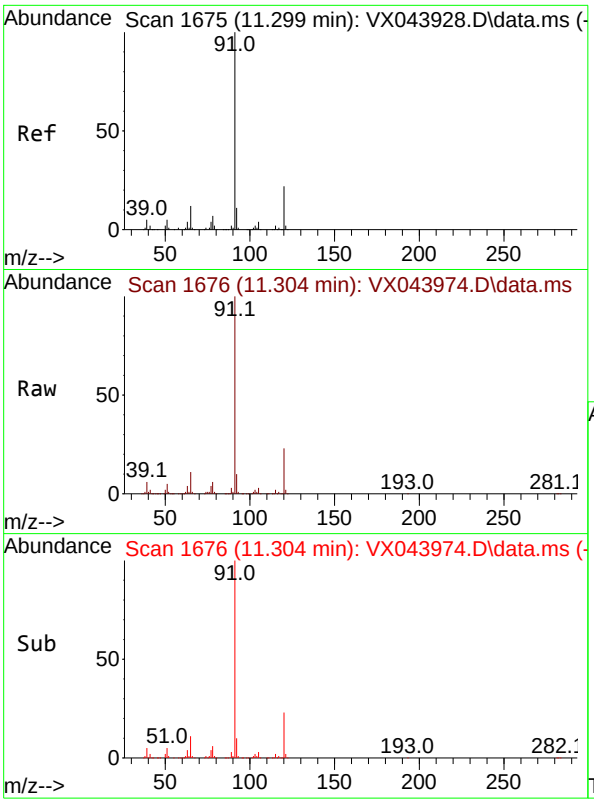




#77
Bromobenzene
Concen: 53.221 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:156 Resp: 78016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.0 | 83.4 | 250.1 |
| 158 | 98.6 | 47.6 | 142.8 |



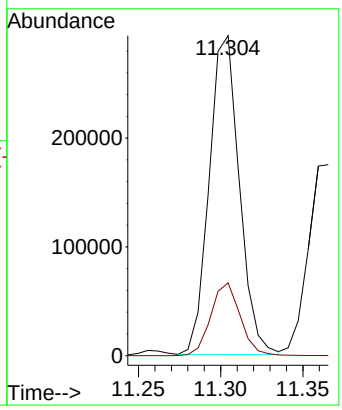


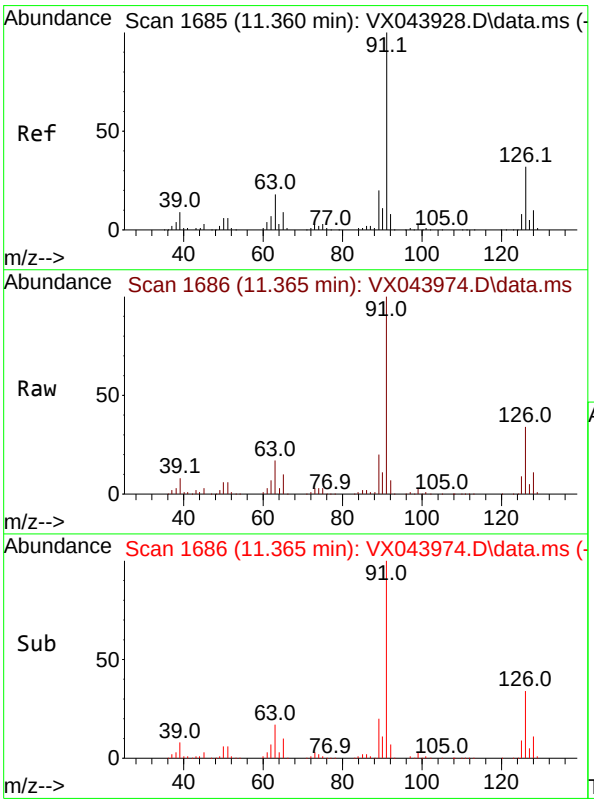

#78
n-propylbenzene
Concen: 54.499 ug/l
RT: 11.304 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 91 Resp: 374036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.5 | 34.4 |

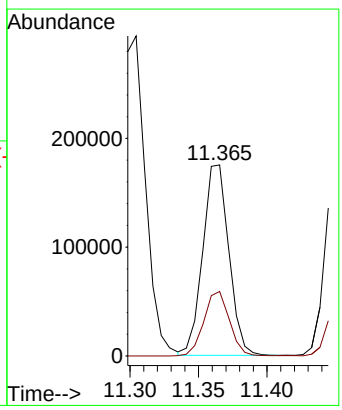


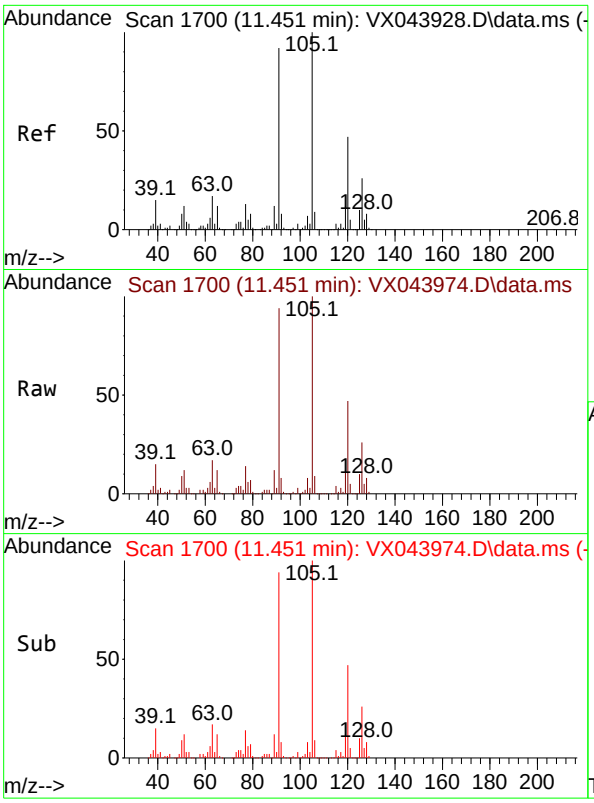




#79
2-Chlorotoluene
Concen: 53.477 ug/l
RT: 11.365 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 232083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.3 | 16.6 | 49.8 |



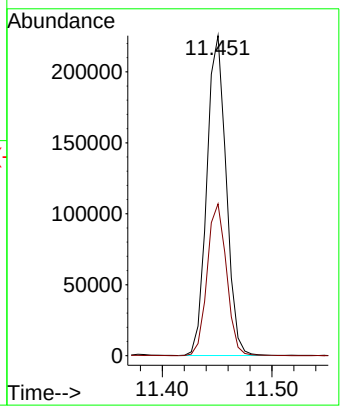


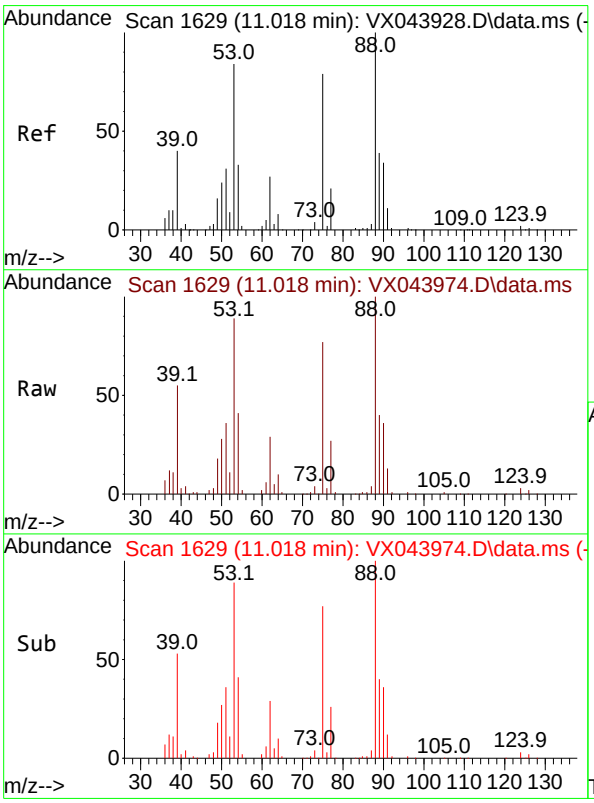

#80
1,3,5-Trimethylbenzene
Concen: 54.557 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:105 Resp: 275820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 23.3 | 69.8 |

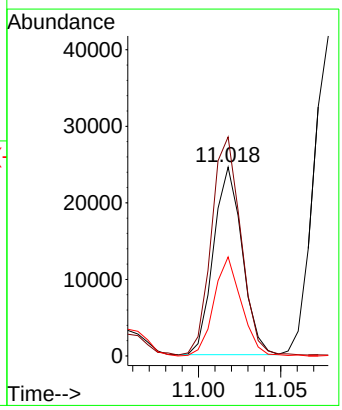


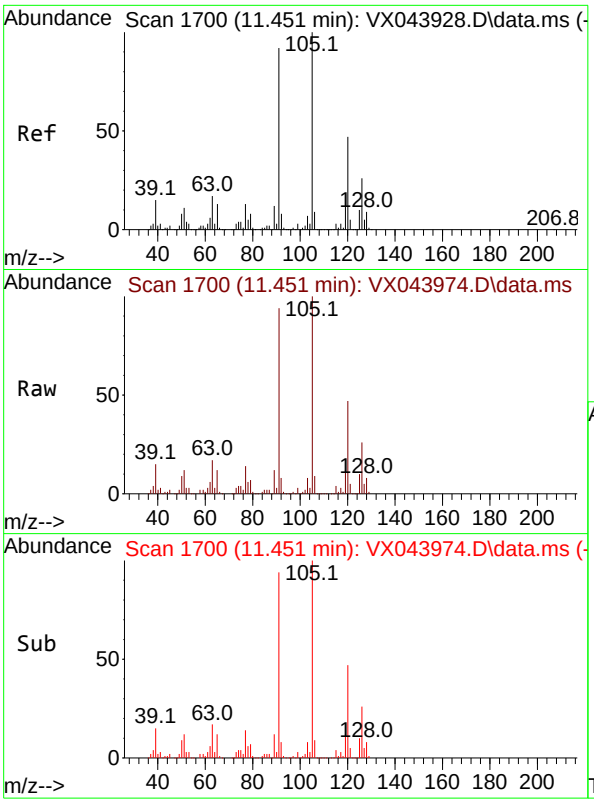




#81
trans-1,4-Dichloro-2-butene
Concen: 46.479 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 75 Resp: 29861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 121.6 | 86.7 | 130.1 |
| 89 | 50.7 | 38.2 | 57.2 |



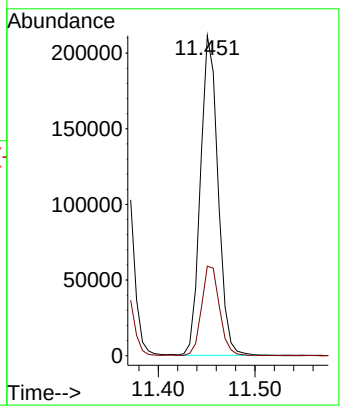


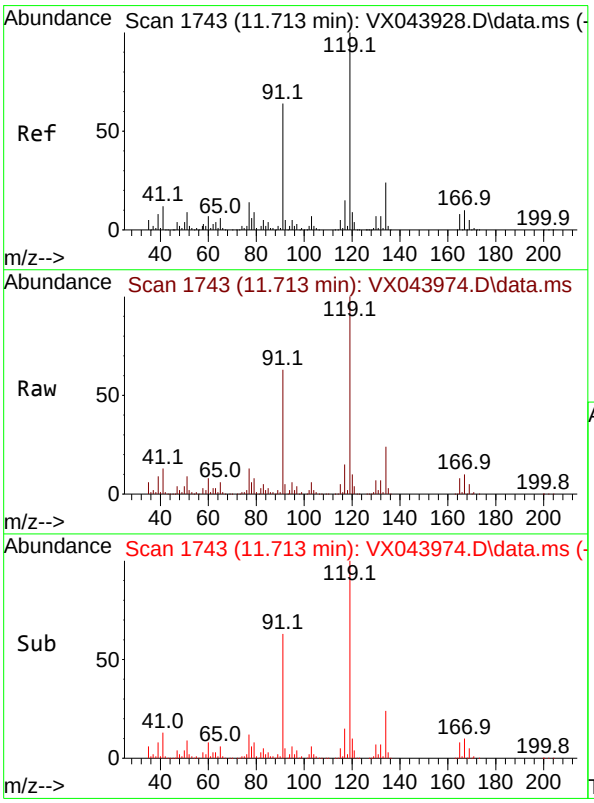

#82
4-Chlorotoluene
Concen: 54.601 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 91 Resp: 267523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.3 | 42.9 |

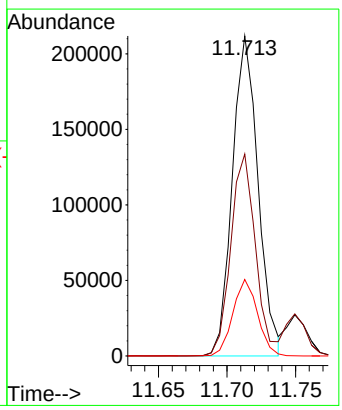


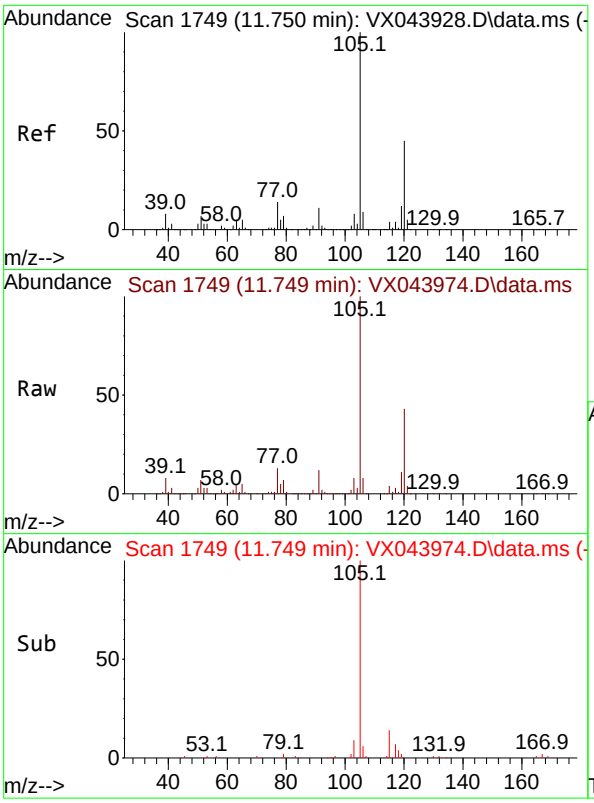




#83
tert-Butylbenzene
Concen: 55.188 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:119 Resp: 276544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.8 | 31.0 | 93.0 |
| 134 | 23.0 | 11.6 | 34.8 |



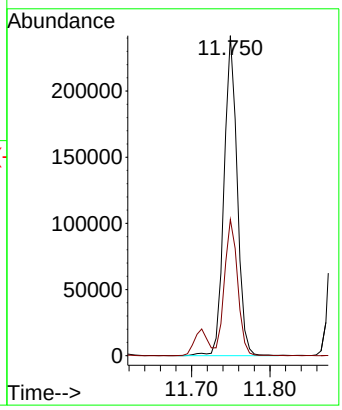


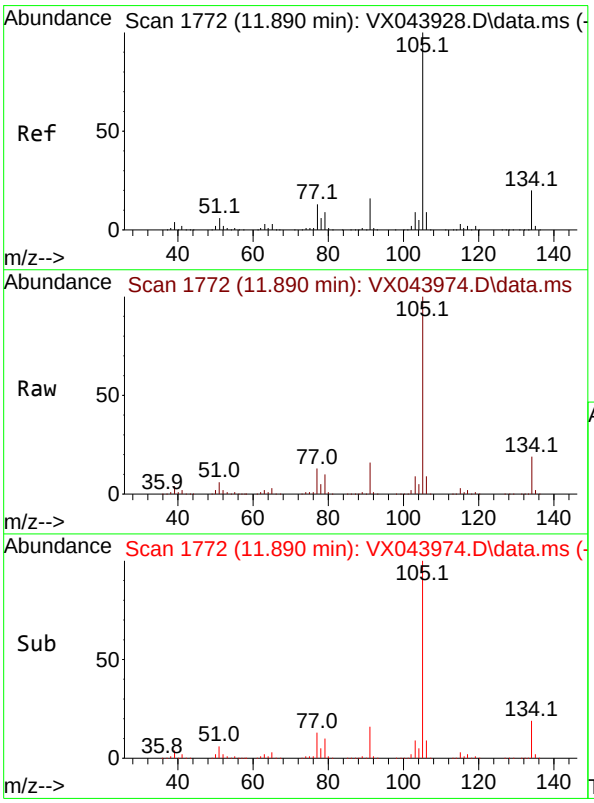

#84
1,2,4-Trimethylbenzene
Concen: 56.200 ug/l
RT: 11.749 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:105 Resp: 282874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |

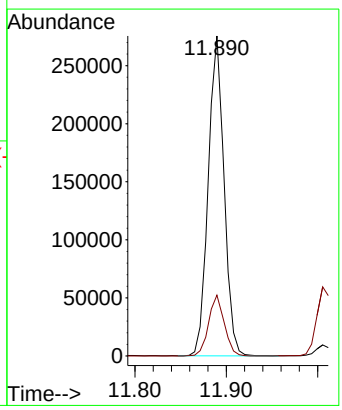


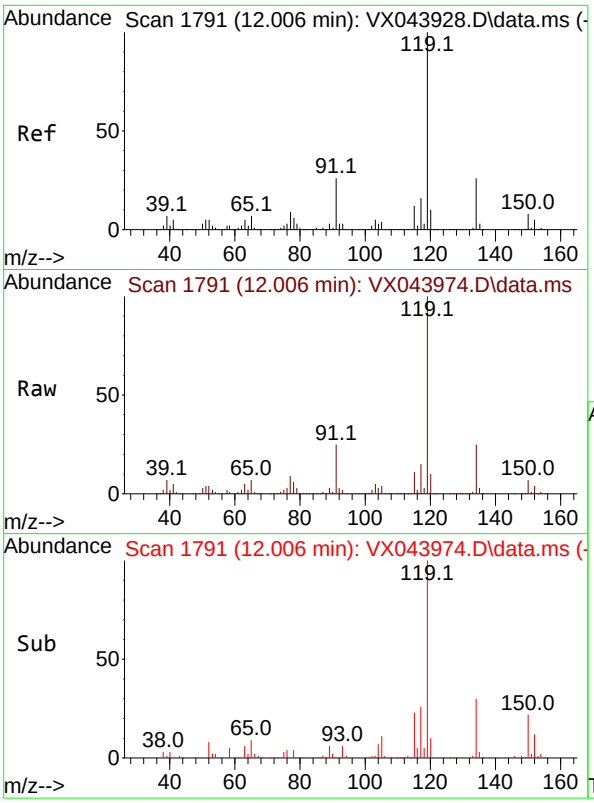




#85
sec-Butylbenzene
Concen: 53.773 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:105 Resp: 330144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.9 | 9.7 | 29.1 |



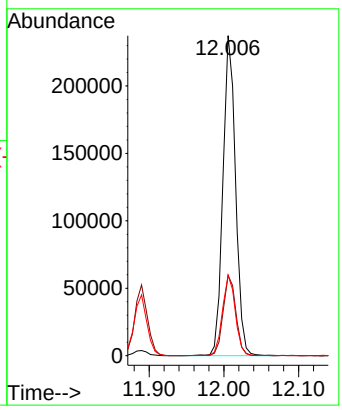


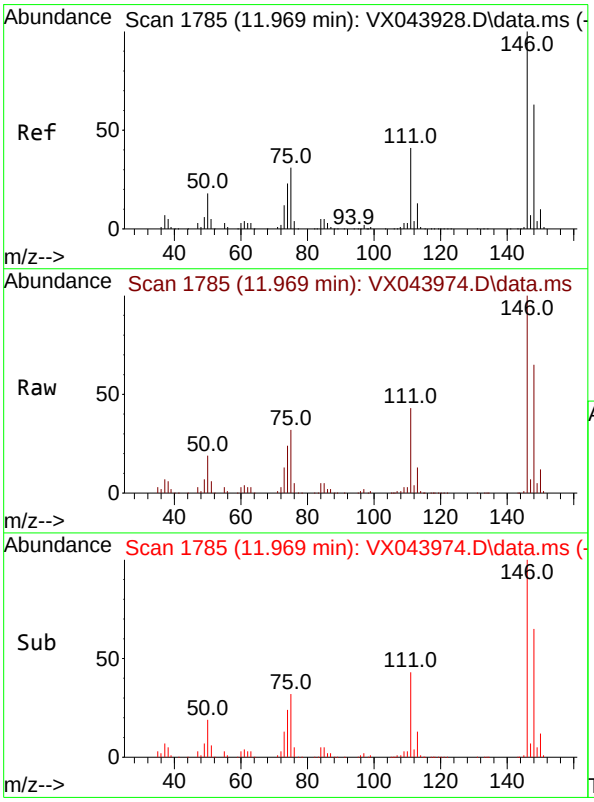

#86
p-Isopropyltoluene
Concen: 55.829 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:119 Resp: 278422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 13.0 | 38.9 |
| 91 | 25.5 | 13.0 | 38.9 |

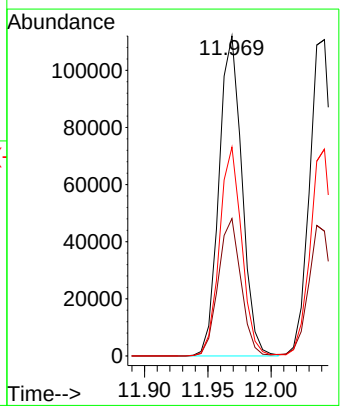


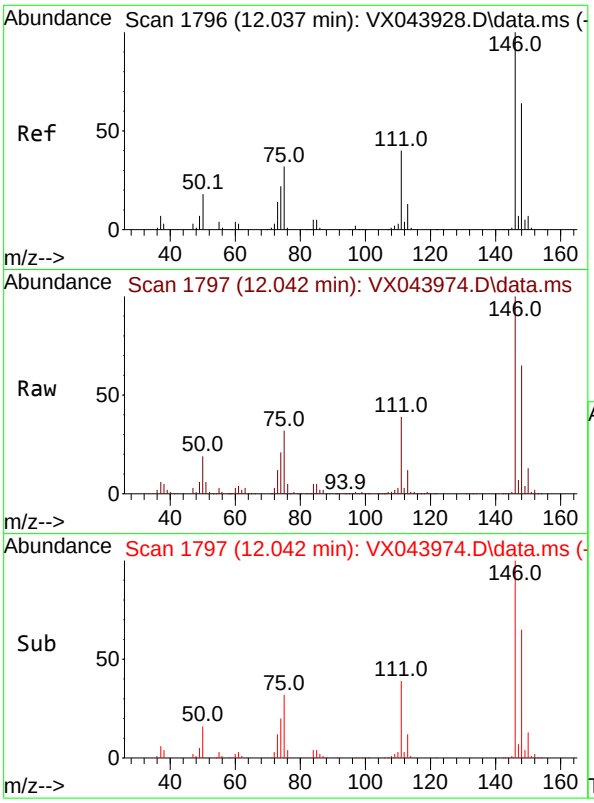




#87
1,3-Dichlorobenzene
Concen: 52.941 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:146 Resp: 141347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.5 | 21.1 | 63.3 |
| 148 | 63.5 | 31.7 | 95.1 |



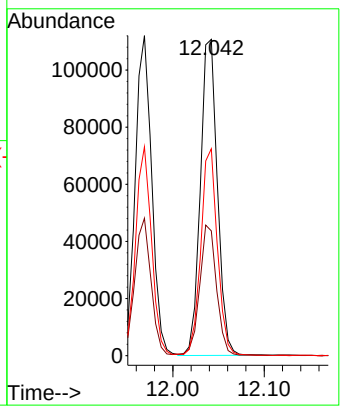


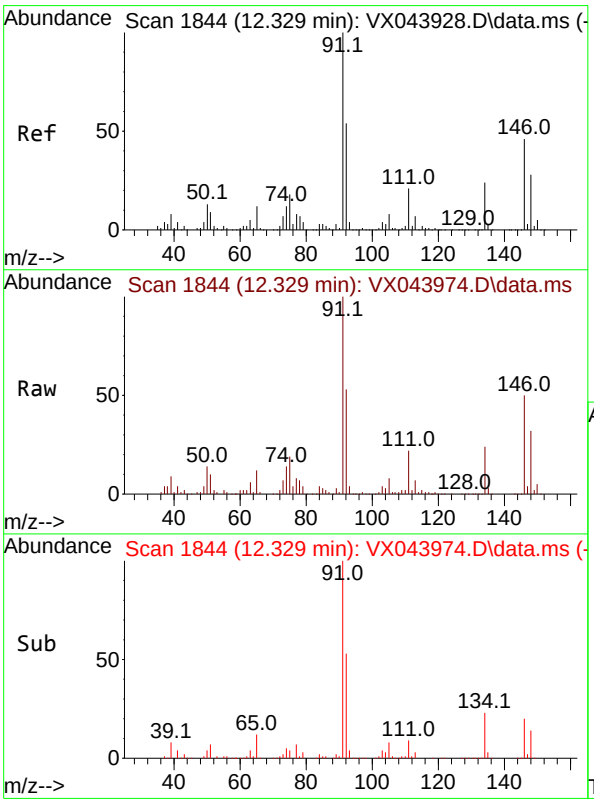

#88
1,4-Dichlorobenzene
Concen: 52.585 ug/l
RT: 12.042 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:146 Resp: 143136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.1 | 60.3 |
| 148 | 64.0 | 30.9 | 92.8 |

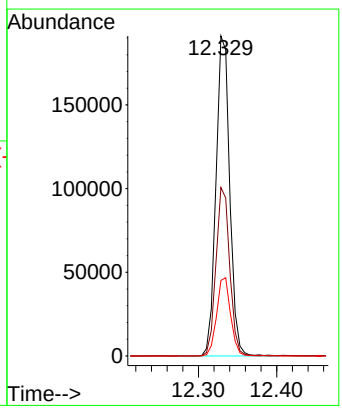


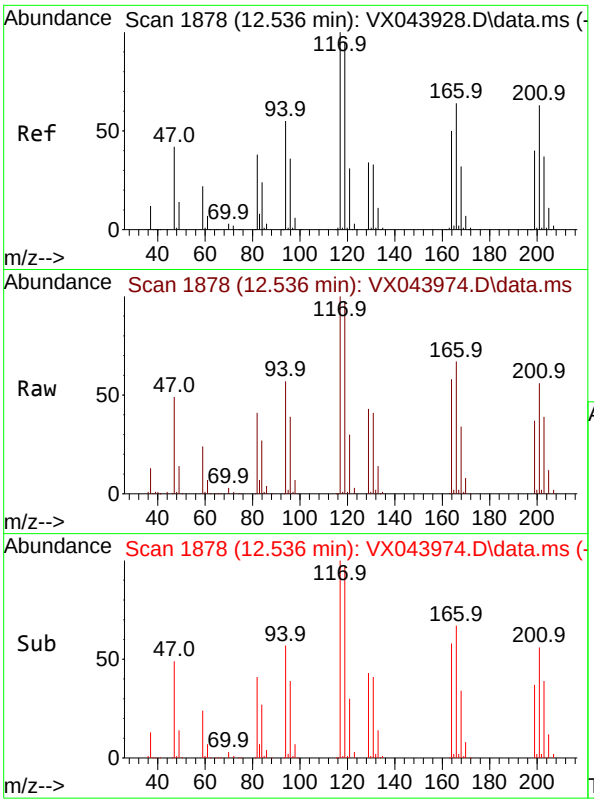




#89
n-Butylbenzene
Concen: 53.095 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion: 91 Resp: 233456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.7 | 26.6 | 79.8 |
| 134 | 24.8 | 12.4 | 37.2 |



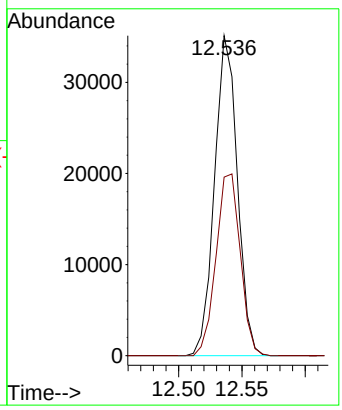


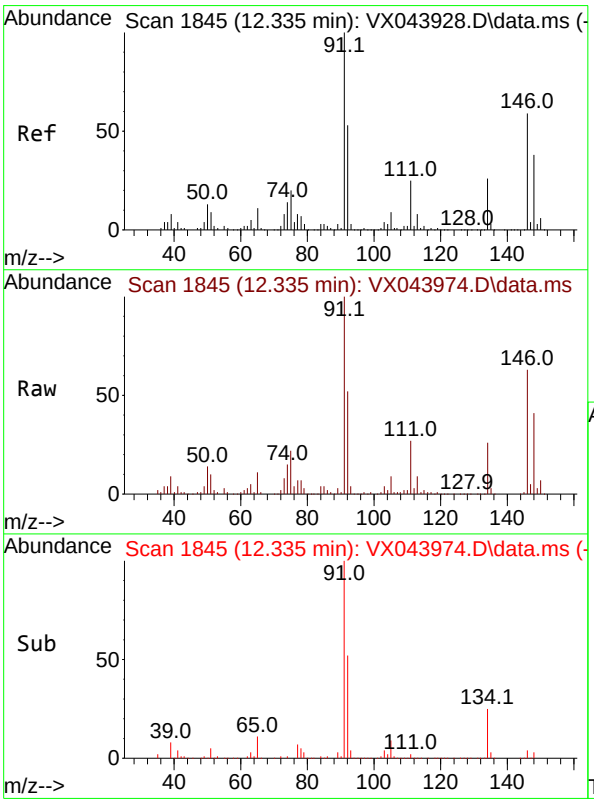

#90
Hexachloroethane
Concen: 51.864 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:117 Resp: 43982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 60.5 | 32.4 | 97.0 |

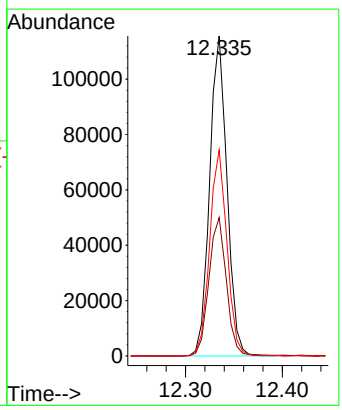


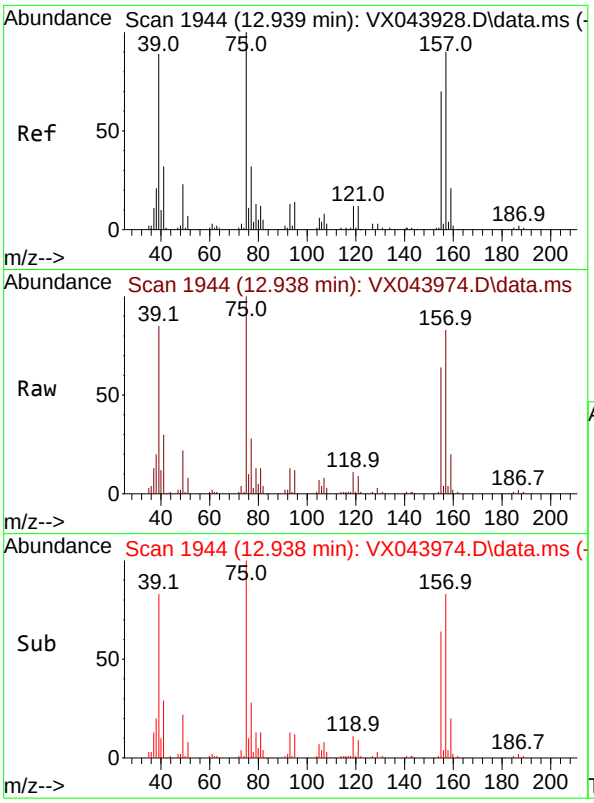




#91
1,2-Dichlorobenzene
Concen: 53.543 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:146 Resp: 144265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.6 | 21.5 | 64.5 |
| 148 | 64.2 | 31.9 | 95.5 |



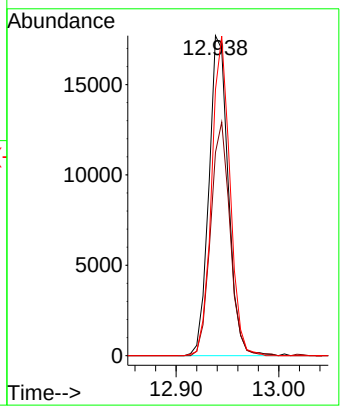


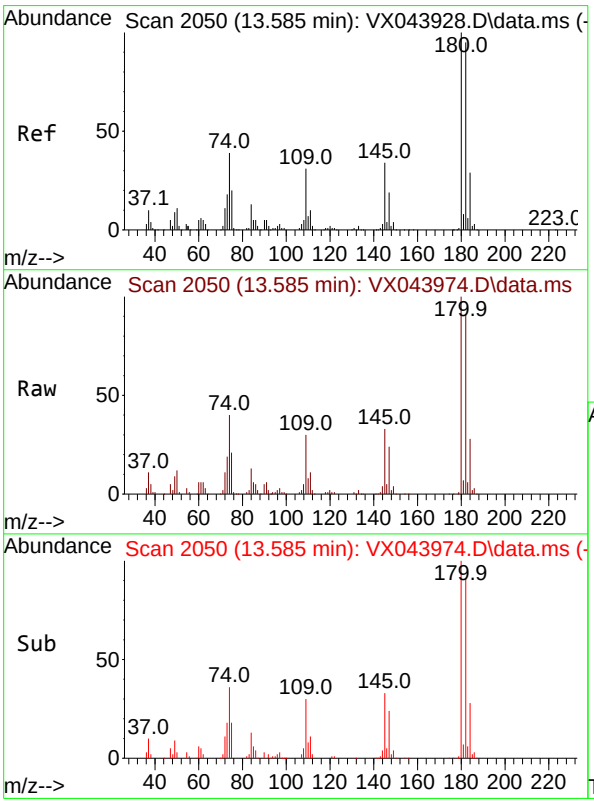

#92
1,2-Dibromo-3-Chloropropane
Concen: 54.925 ug/l
RT: 12.938 min Scan# 1
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion: 75 Resp: 23157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.5 | 40.1 | 120.2 |
| 157 | 94.3 | 49.6 | 149.0 |

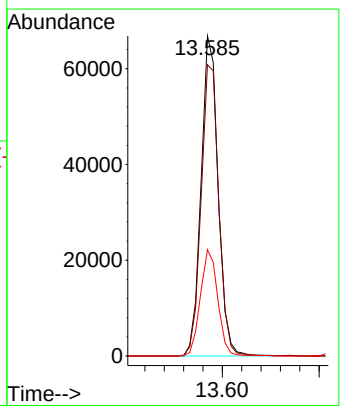


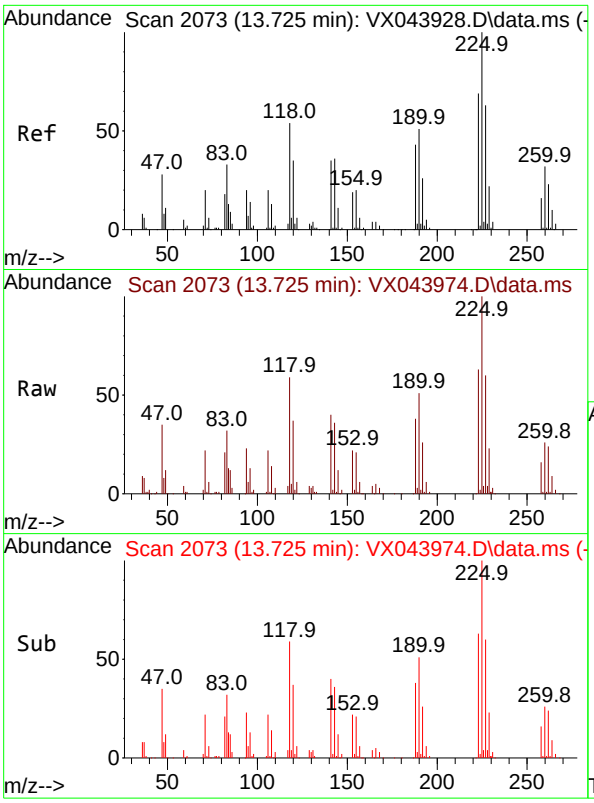




#93
1,2,4-Trichlorobenzene
Concen: 51.631 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:180 Resp: 82015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 48.0 | 144.2 |
| 145 | 33.9 | 16.8 | 50.4 |



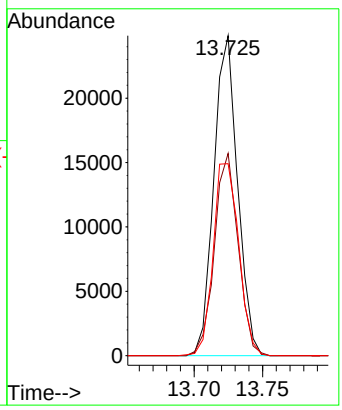


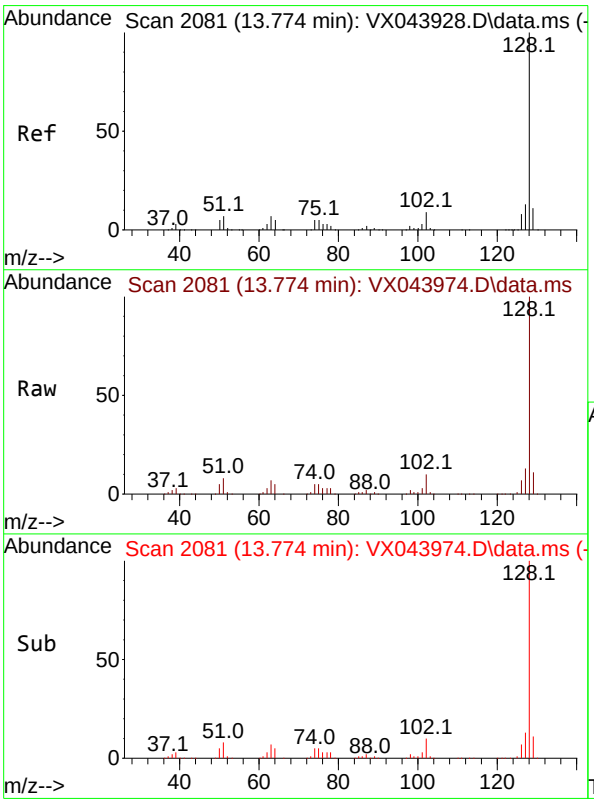

#94
Hexachlorobutadiene
Concen: 47.537 ug/l
RT: 13.725 min Scan# 2
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:225 Resp: 29844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.1 | 32.9 | 98.6 |
| 227 | 65.0 | 31.6 | 94.8 |

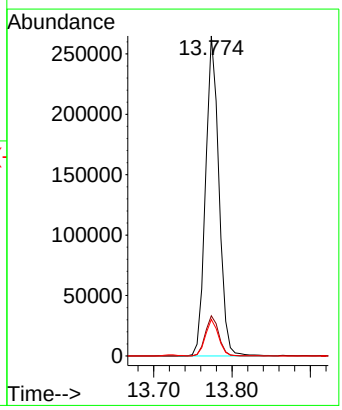


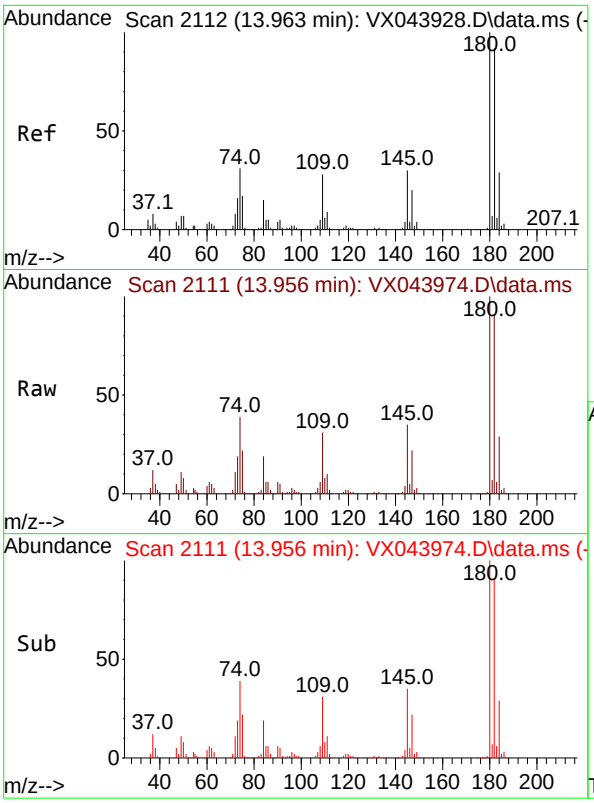




#95
Naphthalene
Concen: 54.591 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.001 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

Tgt Ion:128 Resp: 312161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.2 | 8.6 | 12.8 |



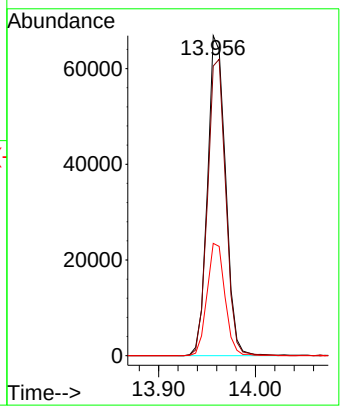



#96
1,2,3-Trichlorobenzene
Concen: 53.954 ug/l
RT: 13.956 min Scan# 2
Delta R.T. -0.007 min
Lab File: VX043974.D
Acq: 22 Nov 2024 20:42

**Instrument :**
MSVOA_X
**ClientSampleId :**
BPOW6-10-20241119MSD

Tgt Ion:180 Resp: 86747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.3 | 45.6 | 136.8 |
| 145 | 35.0 | 16.4 | 49.4 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 122980 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 223634 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 188299 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 86425 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.952 | 65 | 109385 | 51.858 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 103.720% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 80080 | 50.113 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.220% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 272032 | 49.385 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.780% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93160 | 49.694 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.167 | 85 | 68061 | 43.686 | ug/l | 100 |
| 3) Chloromethane | 1.295 | 50 | 74224 | 45.274 | ug/l | 97 |
| 4) Vinyl Chloride | 1.374 | 62 | 77794 | 44.612 | ug/l | 96 |
| 5) Bromomethane | 1.593 | 94 | 57584 | 53.679 | ug/l | 100 |
| 6) Chloroethane | 1.666 | 64 | 50694 | 47.709 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.868 | 101 | 166881 | 53.528 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 52774 | 46.443 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 66870 | 44.966 | ug/l | 98 |
| 10) Methyl Iodide | 2.447 | 142 | 87758 | 47.250 | ug/l | 97 |
| 11) Tert butyl alcohol | 3.002 | 59 | 72806 | 215.043 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.307 | 96 | 64902 | 45.800 | ug/l | 96 |
| 13) Acrolein | 2.233 | 56 | 77602 | 217.457 | ug/l | 97 |
| 14) Allyl chloride | 2.654 | 41 | 113282 | 48.923 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 194254 | 235.443 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 179850 | 185.644 | ug/l | 100 |
| 17) Carbon Disulfide | 2.502 | 76 | 127176 | 43.508 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 104004 | 46.099 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 257085 | 49.964 | ug/l | 98 |
| 20) Methylene Chloride | 2.782 | 84 | 76764 | 46.692 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 70023 | 47.861 | ug/l | 98 |
| 22) Diisopropyl ether | 3.758 | 45 | 248613 | 50.212 | ug/l | 92 |
| 23) Vinyl Acetate | 3.721 | 43 | 1083211 | 255.744 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 142098 | 49.748 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 278537 | 222.822 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 117521 | 45.557 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 89489 | 49.483 | ug/l | 99 |
| 28) Bromochloromethane | 4.891 | 49 | 63042 | 50.141 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.007 | 42 | 175631 | 229.176 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 153240 | 49.881 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 108654 | 46.218 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 135463 | 51.132 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 96384 | 48.403 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 111838 | 45.245 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 109113 | 48.766 | ug/l | 99 |
| 39) Methylcyclohexane | 7.373 | 83 | 114556 | 44.283 | ug/l | 97 |
| 40) Benzene | 6.032 | 78 | 296066 | 47.732 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 58876 | 46.538 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.080 | 62 | 120886 | 48.527 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 188827 | 48.002 | ug/l | | 100 |
| 44) Trichloroethene | 7.123 | 130 | 70858 | 40.354 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.422 | 63 | 73488 | 48.373 | ug/l | | 100 |
| 46) Dibromomethane | 7.580 | 93 | 57212 | 47.608 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.818 | 83 | 106111 | 49.233 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.690 | 41 | 86803 | 45.987 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 23838 | 708.970 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 569005 | 237.028 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 179366 | 48.314 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107403 | 48.867 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.360 | 75 | 117473 | 48.756 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 72401 | 47.244 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.116 | 69 | 118682 | 49.720 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 123967 | 48.020 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 279741 | 213.469 | ug/l | | 99 |
| 59) 2-Hexanone | 9.433 | 43 | 420948 | 233.298 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 73109 | 47.547 | ug/l | | 96 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 76113 | 49.118 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.269 | 164 | 57495 | 46.307 | ug/l | | 93 |
| 65) Chlorobenzene | 10.080 | 112 | 197185 | 47.680 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 66254 | 49.398 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 341272 | 48.699 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 259471 | 99.287 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 127383 | 49.924 | ug/l | | 96 |
| 70) Styrene | 10.653 | 104 | 215795 | 51.134 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 45026 | 44.579 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 327150 | 49.244 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 158903 | 51.633 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83 | 112173 | 49.312 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 122618 | 64.696 | ug/l | | 83 |
| 77) Bromobenzene | 11.195 | 156 | 76053 | 47.990 | ug/l | | 97 |
| 78) n-propylbenzene | 11.305 | 91 | 379686 | 51.172 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 231439 | 49.328 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 277669 | 50.803 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 30621 | 44.087 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 265745 | 50.170 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 275078 | 50.777 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 274500 | 50.446 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 325633 | 49.060 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 271259 | 50.312 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 135787 | 47.044 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 137836 | 46.839 | ug/l | | 97 |
| 89) n-Butylbenzene | 12.329 | 91 | 240255 | 50.543 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 44170 | 48.179 | ug/l | | 93 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 139290 | 47.819 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75 | 21512 | 47.196 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 80863 | 47.087 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 29838 | 43.962 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 311837 | 50.444 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 87371 | 50.266 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

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

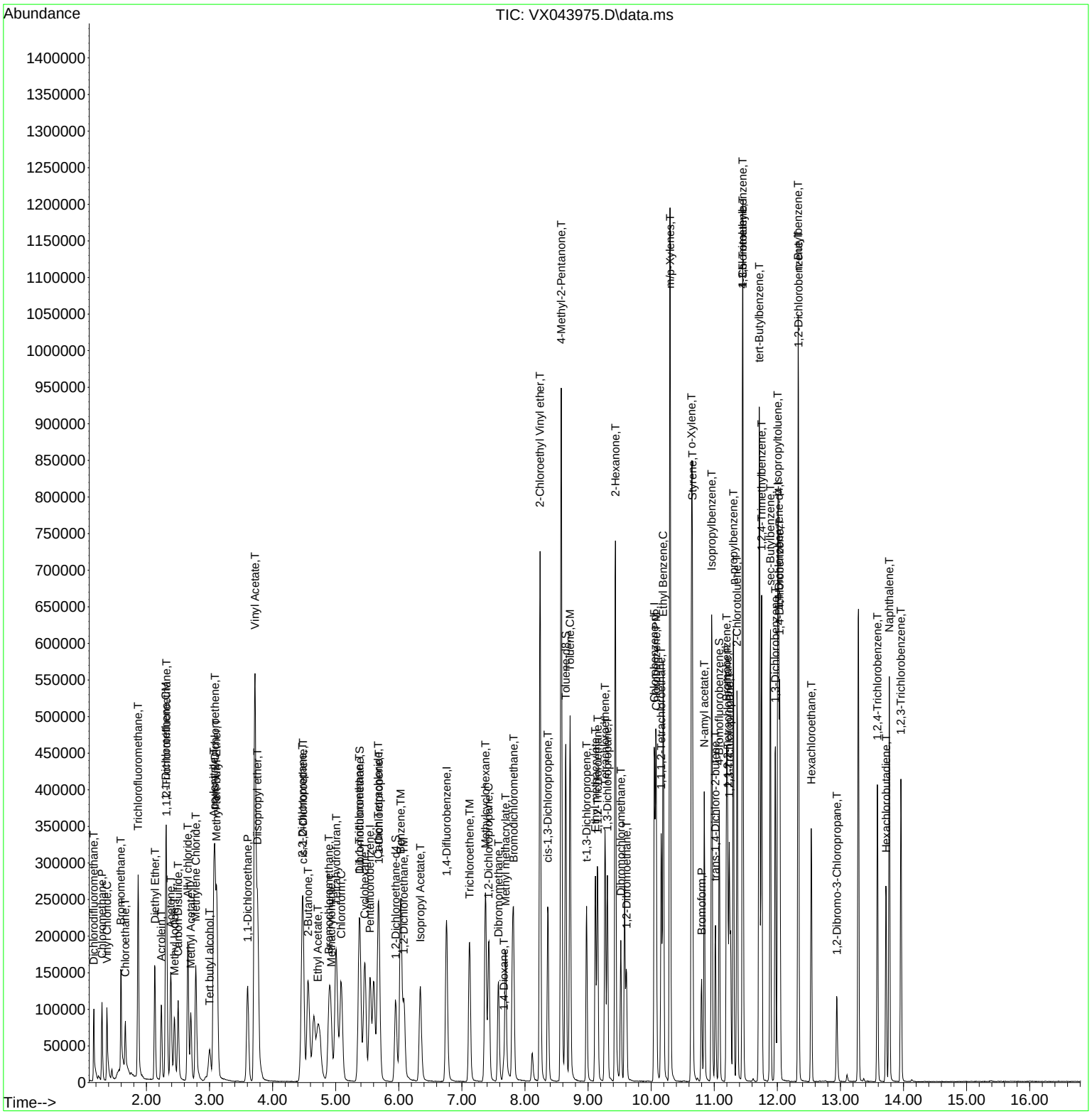
(#) = qualifier out of range (m) = manual integration (+) = signals summed

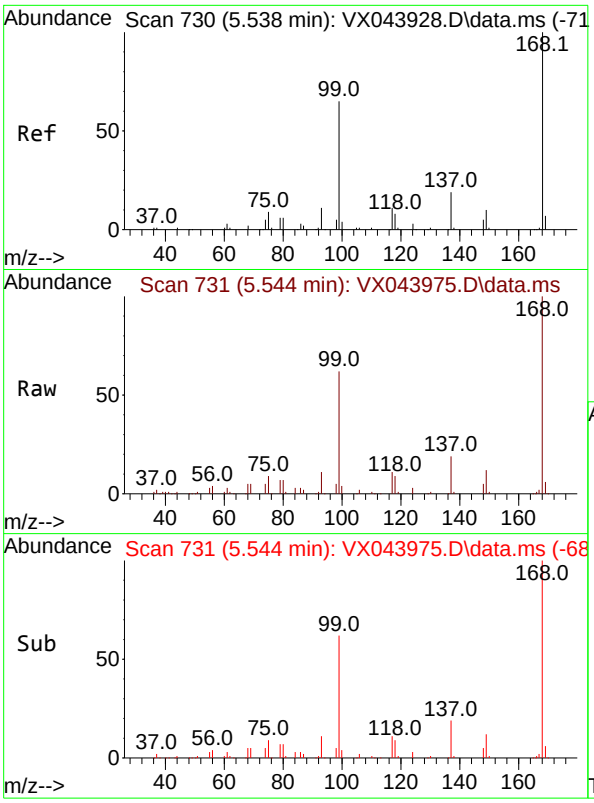
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
Data File : VX043975.D
Acq On : 22 Nov 2024 21:05
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



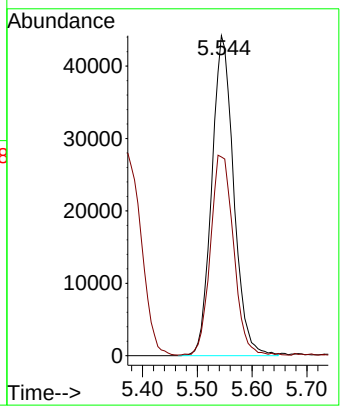


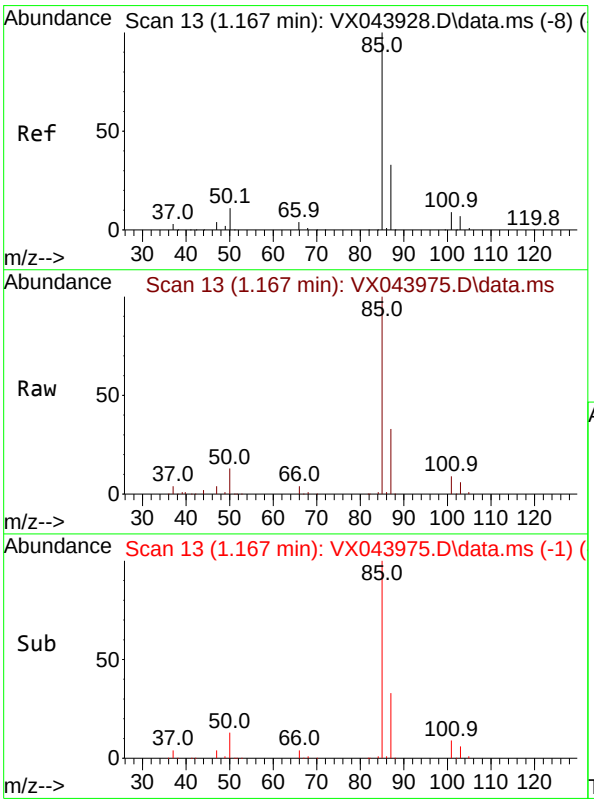

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 122980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.9 | 51.8 | 77.8 |

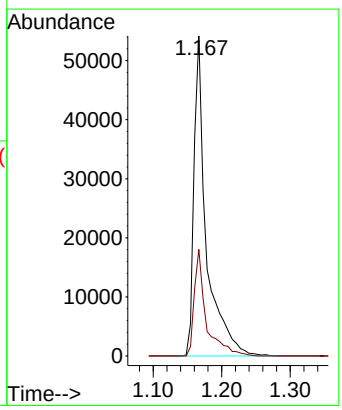


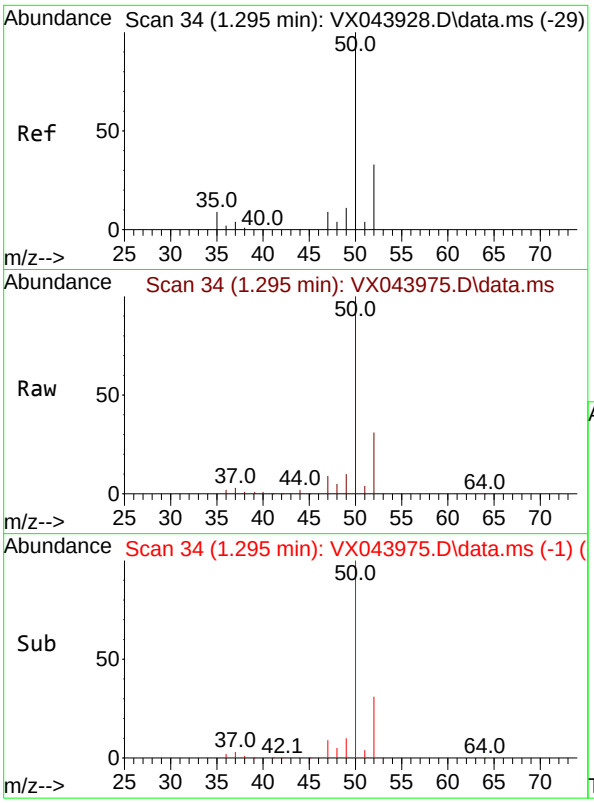




#2
Dichlorodifluoromethane
Concen: 43.686 ug/l
RT: 1.167 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.3 | 16.6 | 49.8 |



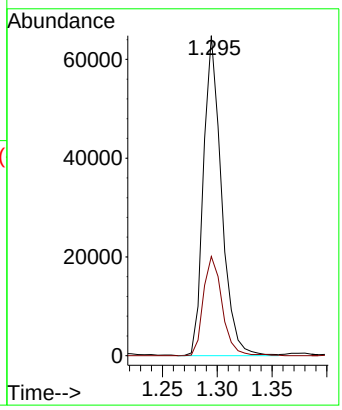


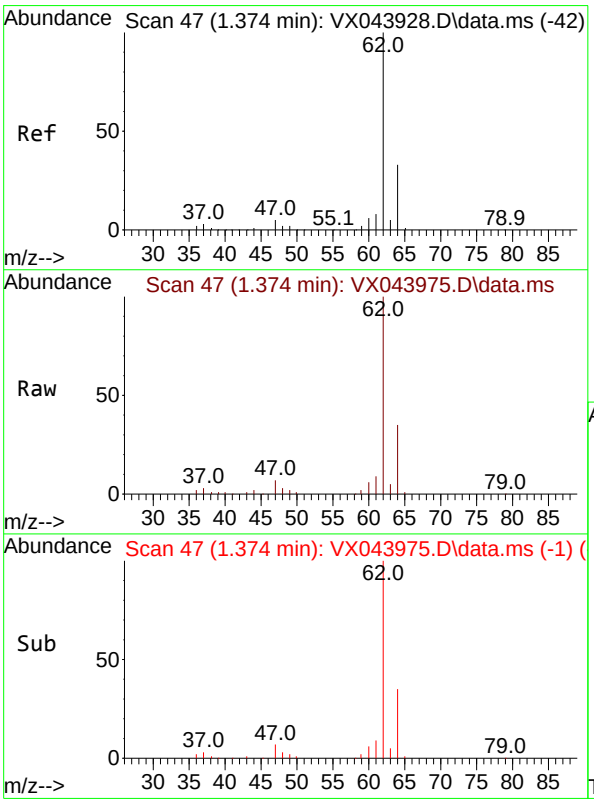

#3
Chloromethane
Concen: 45.274 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 74224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.0 | 26.1 | 39.1 |

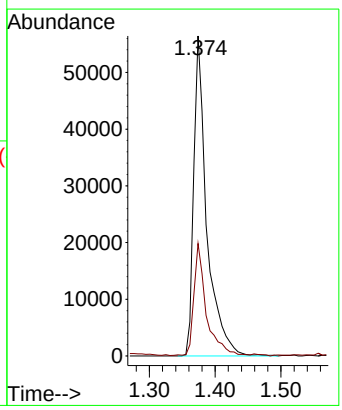


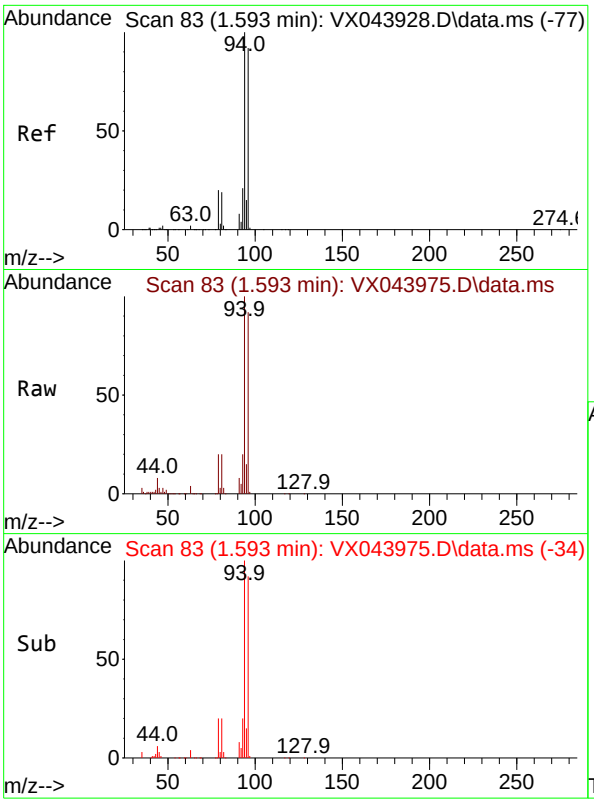




#4
Vinyl Chloride
Concen: 44.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 34.8 | 26.2 | 39.4 |



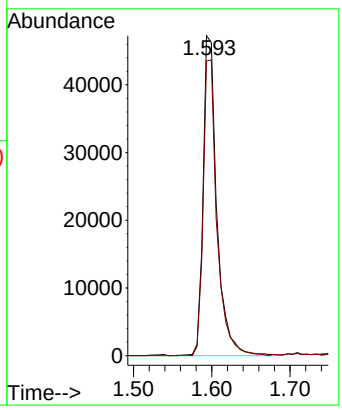


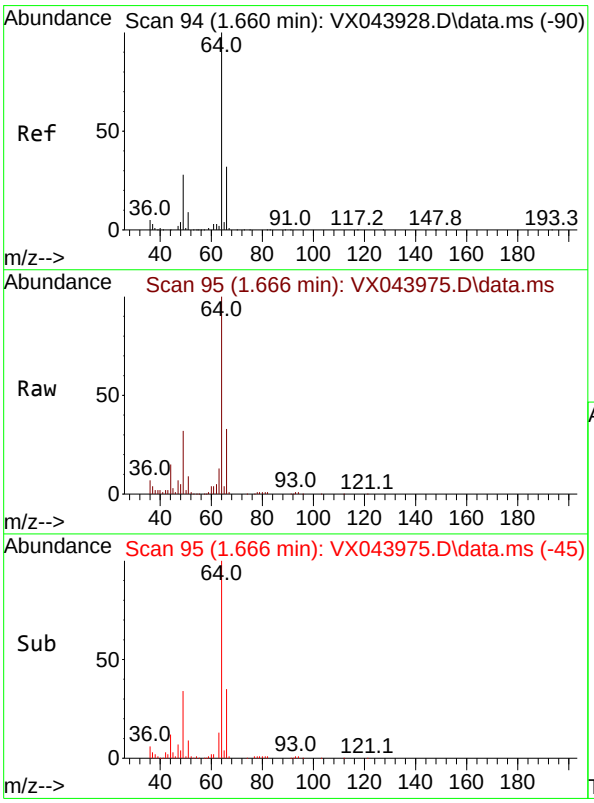

#5
Bromomethane
Concen: 53.679 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 57584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.9 | 73.9 | 110.9 |

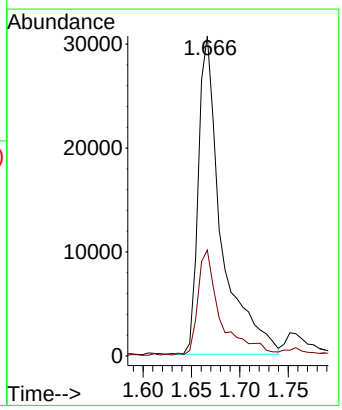


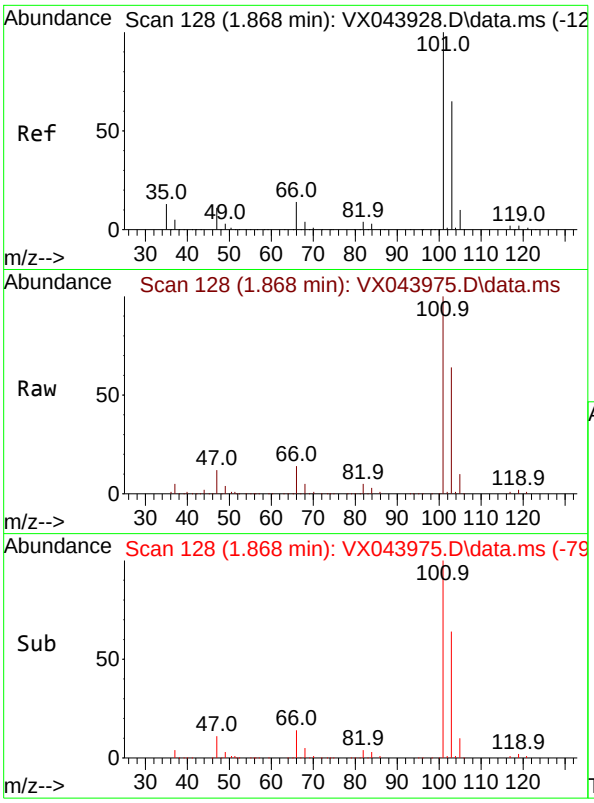




#6
Chloroethane
Concen: 47.709 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.4 | 25.9 | 38.9 |



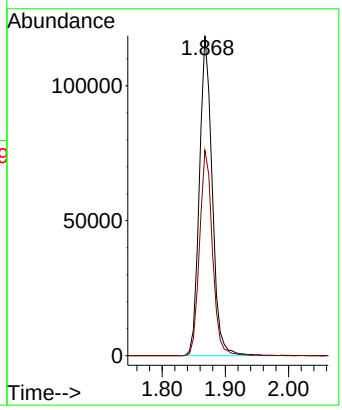


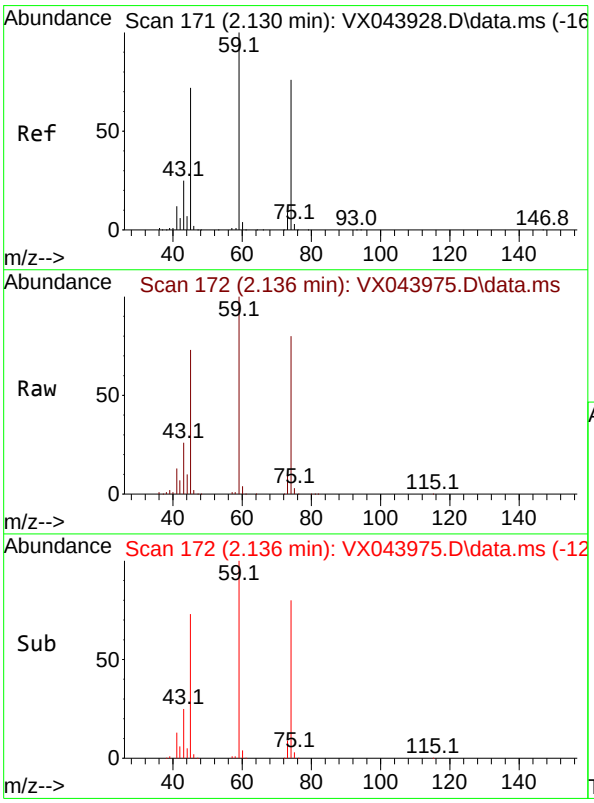

#7
Trichlorofluoromethane
Concen: 53.528 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 166881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 52.2 | 78.2 |

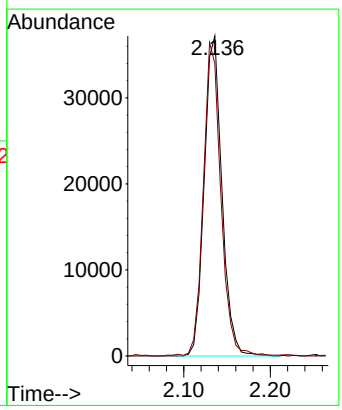


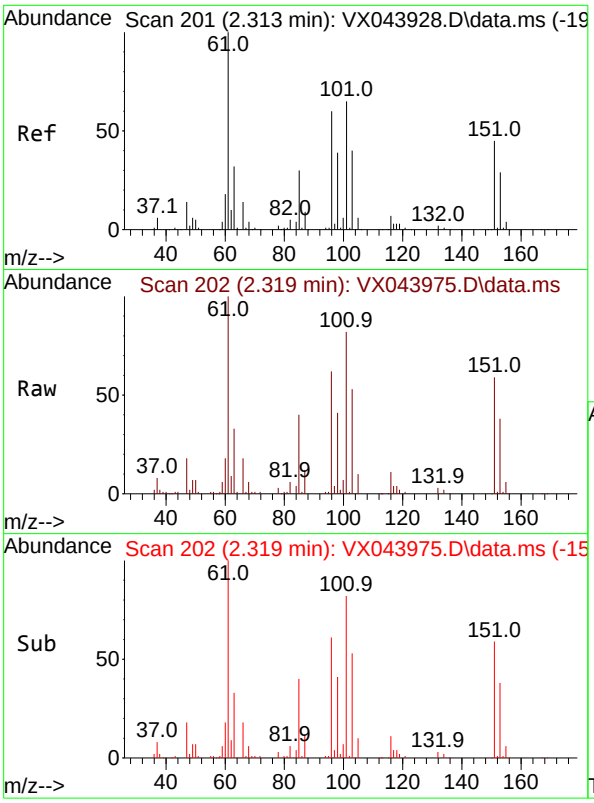




#8
Diethyl Ether
Concen: 46.443 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 97.1 | 47.9 | 143.6 |



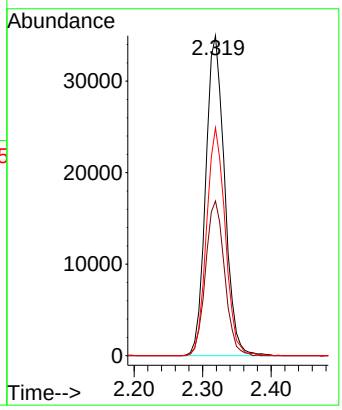


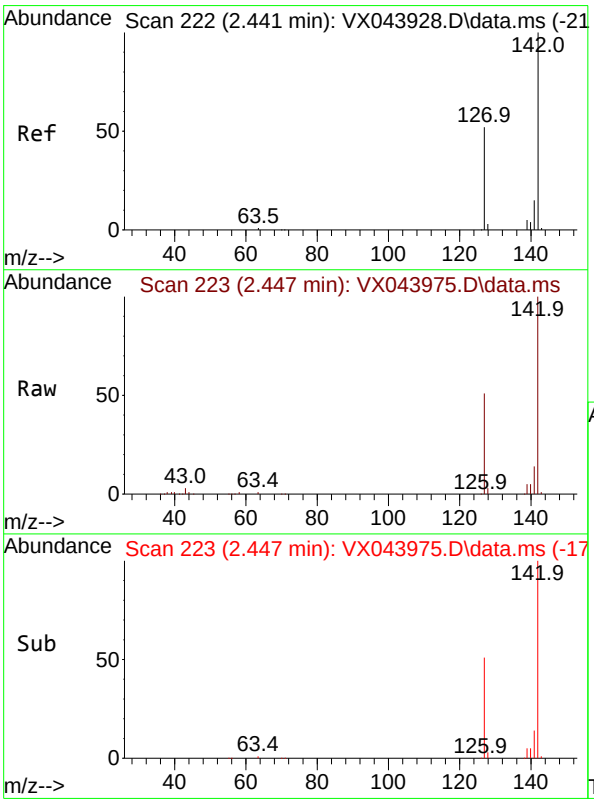

#9
1,1,2-Trichlorotrifluoroethane
Concen: 44.966 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 66870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 48.8 | 37.9 | 56.9 |
| 151 | 70.6 | 57.5 | 86.3 |

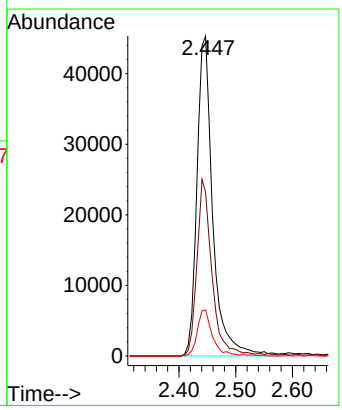


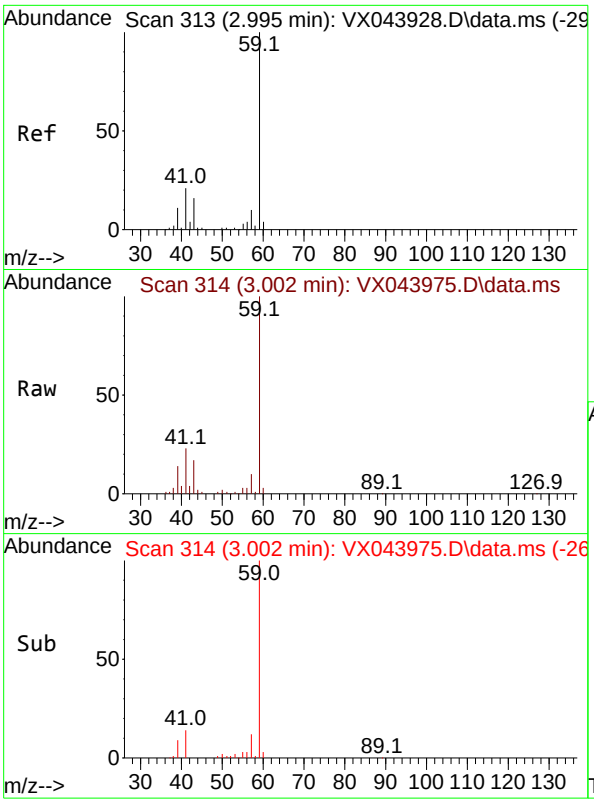




#10
Methyl Iodide
Concen: 47.250 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 53.0 | 40.7 | 61.1 |
| 141 | 13.6 | 12.0 | 18.0 |



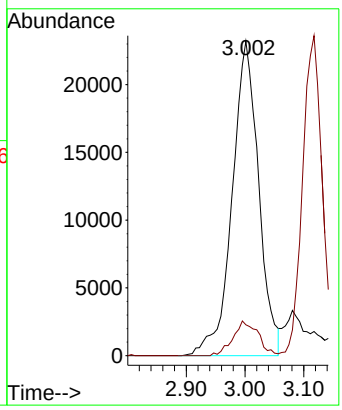


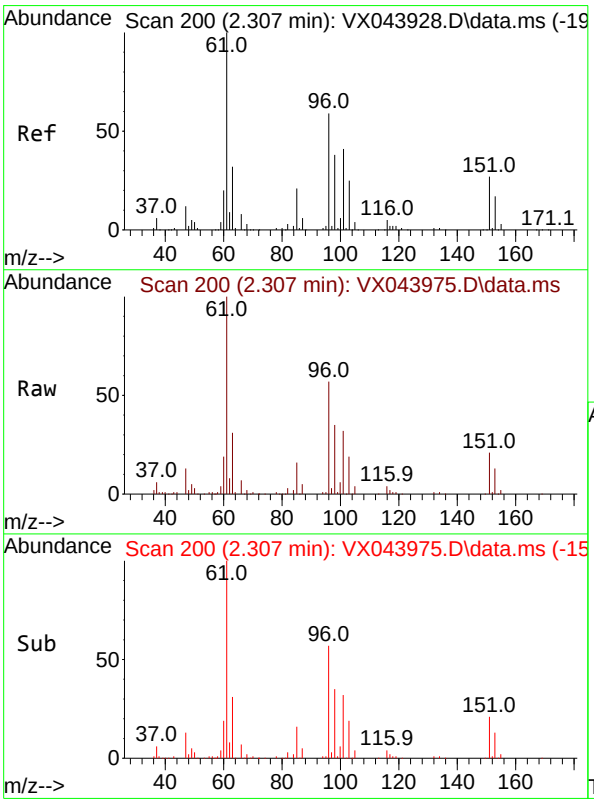

#11
Tert butyl alcohol
Concen: 215.043 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 72806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.5 | 7.9 | 11.9 |

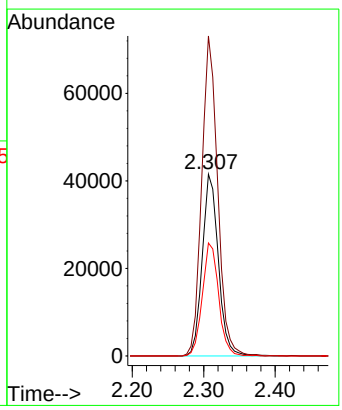


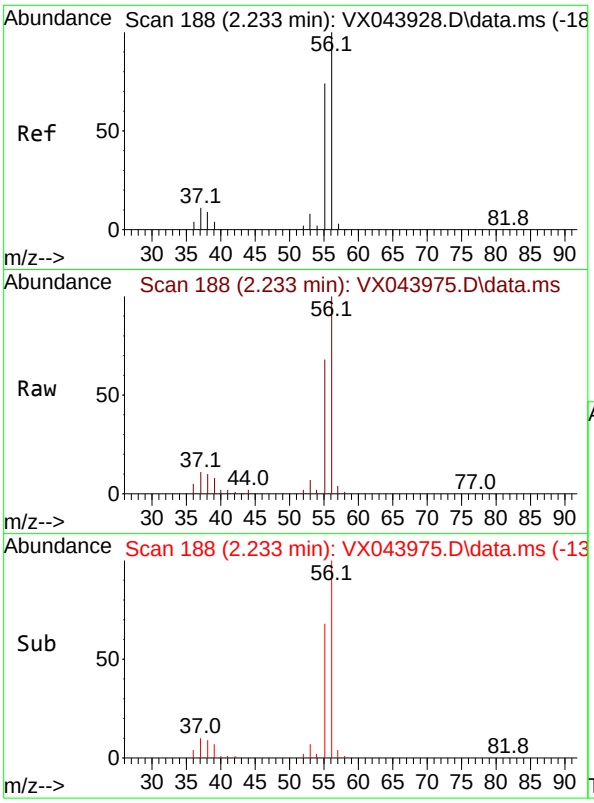




#12
1,1-Dichloroethene
Concen: 45.800 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 176.1 | 135.5 | 203.3 |
| 98 | 62.2 | 50.8 | 76.2 |



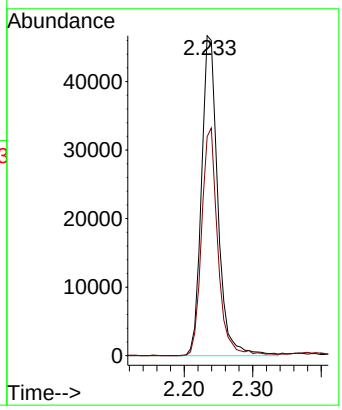


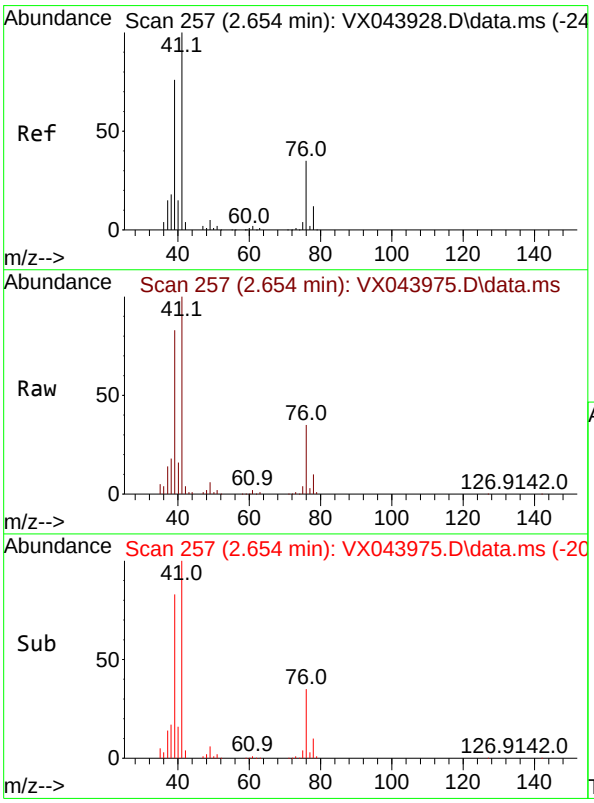

#13
Acrolein
Concen: 217.457 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 77602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.5 | 58.2 | 87.2 |

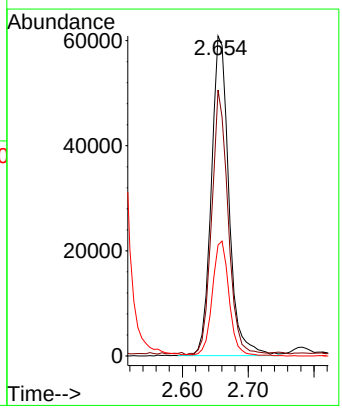


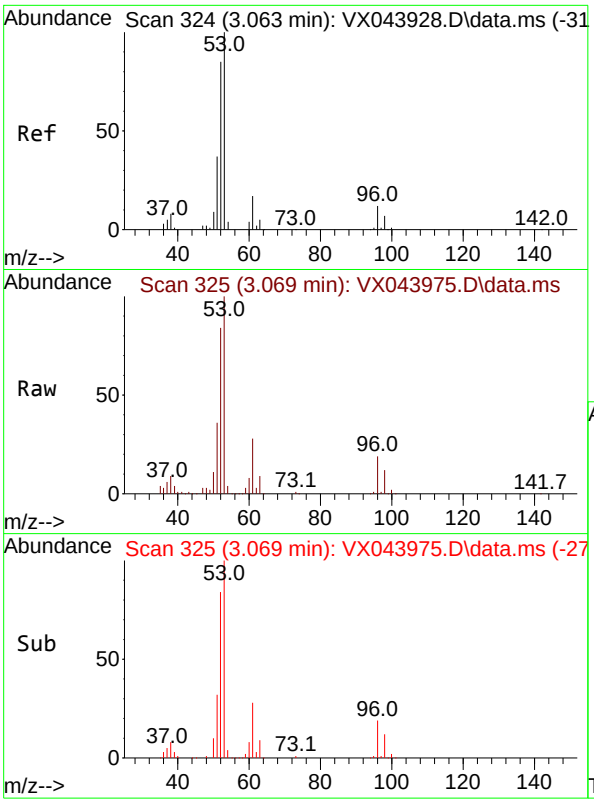




#14
Allyl chloride
Concen: 48.923 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 76.8 | 59.5 | 89.3 |
| 76 | 34.4 | 27.4 | 41.2 |



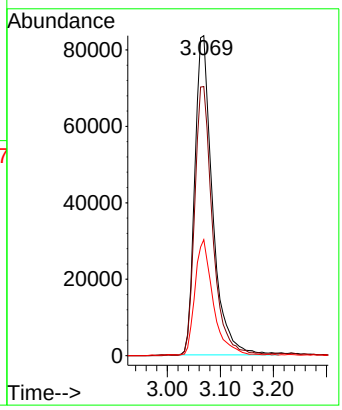


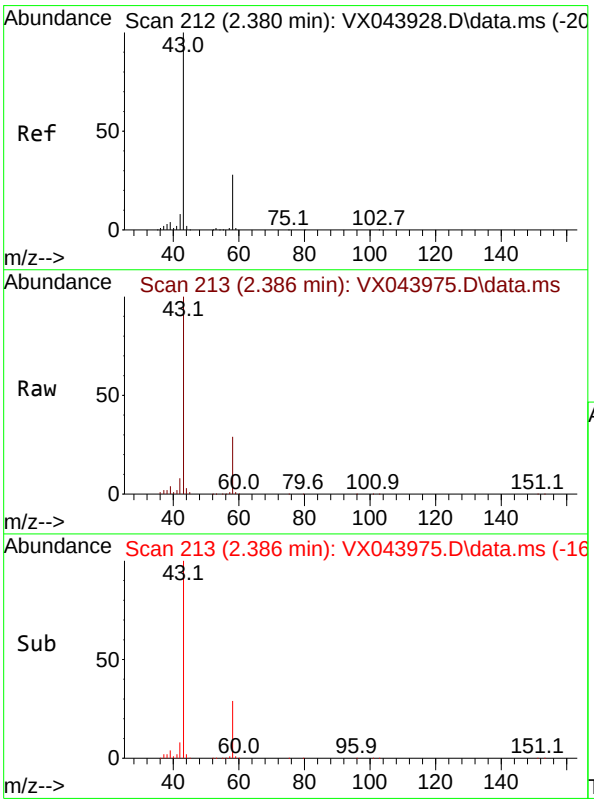

#15
Acrylonitrile
Concen: 235.443 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 194254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 85.2 | 66.5 | 99.7 |
| 51 | 36.6 | 30.2 | 45.4 |

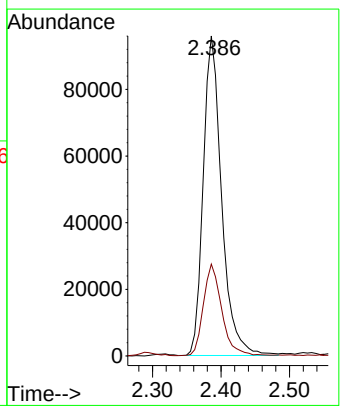


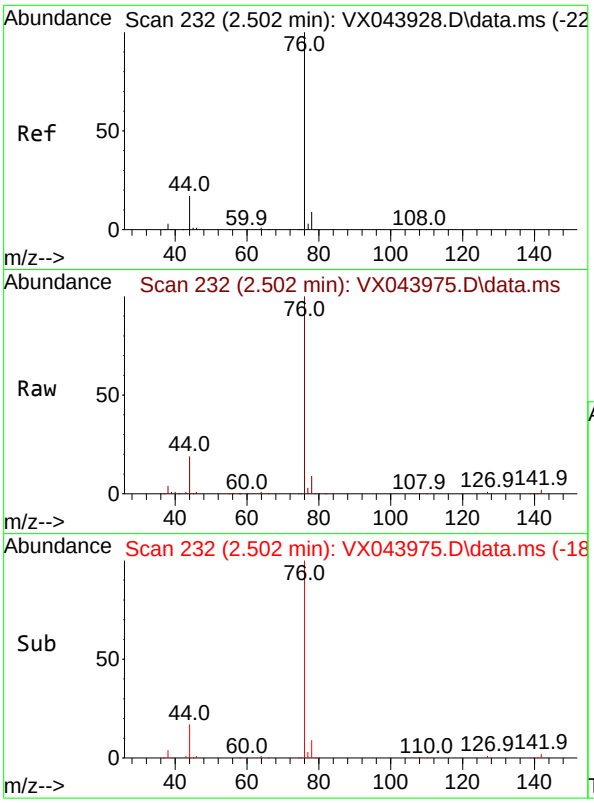




#16
Acetone
Concen: 185.644 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 22.7 | 34.1 |



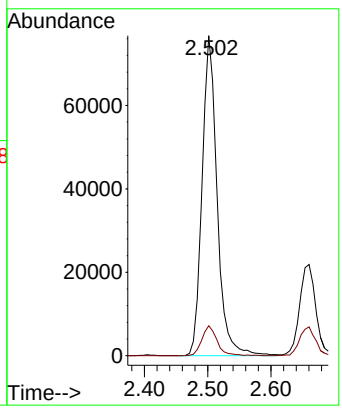


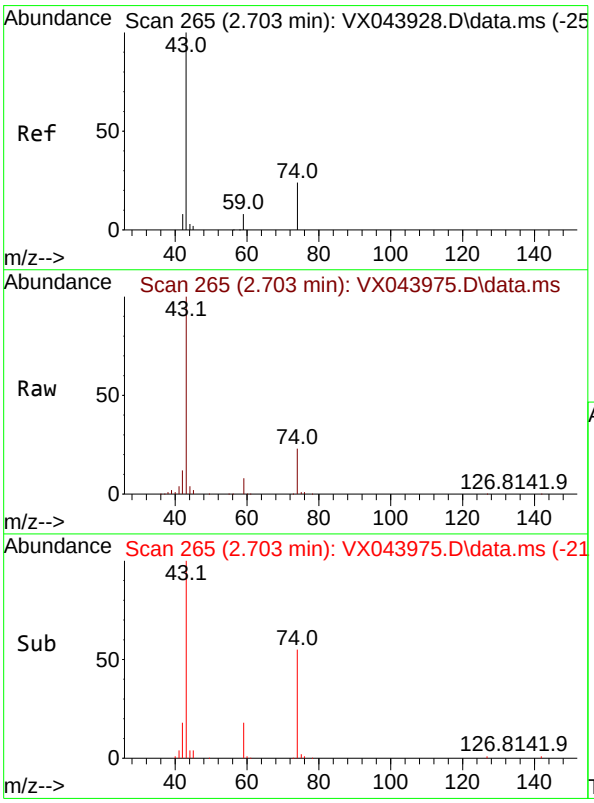

#17
Carbon Disulfide
Concen: 43.508 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 127176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.4 | 7.0 | 10.6 |

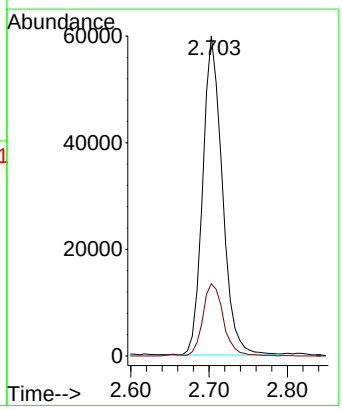


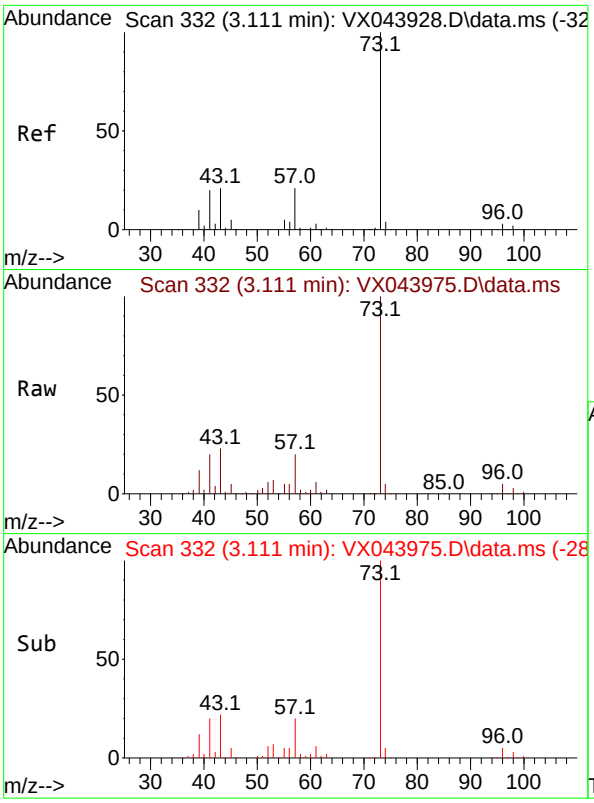




#18
Methyl Acetate
Concen: 46.099 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 23.7 | 18.9 | 28.3 |



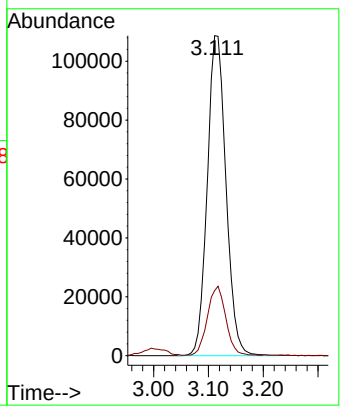


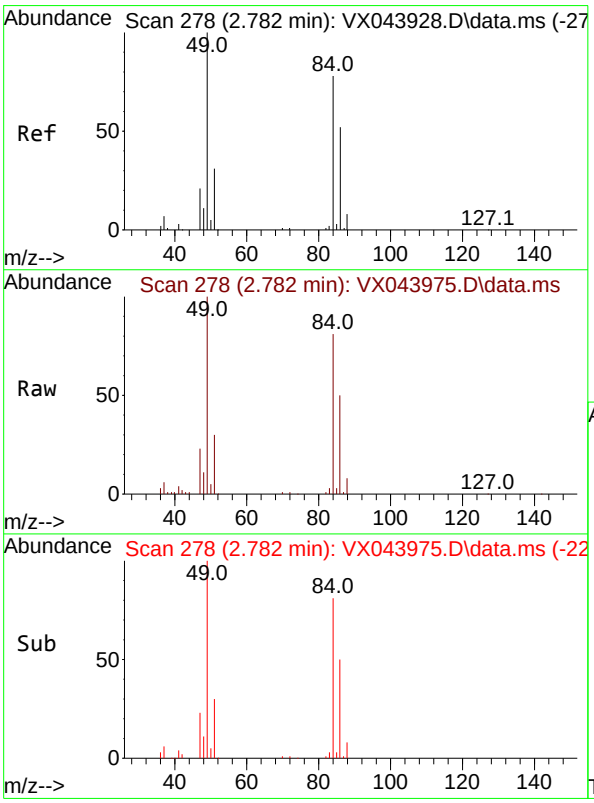

#19
Methyl tert-butyl Ether
Concen: 49.964 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 257085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 20.2 | 17.0 | 25.6 |

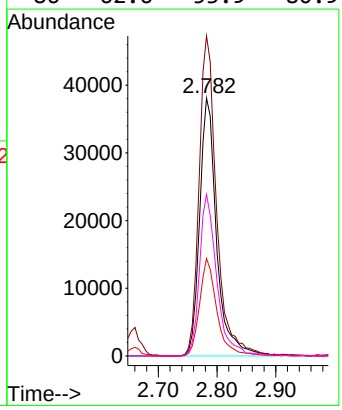


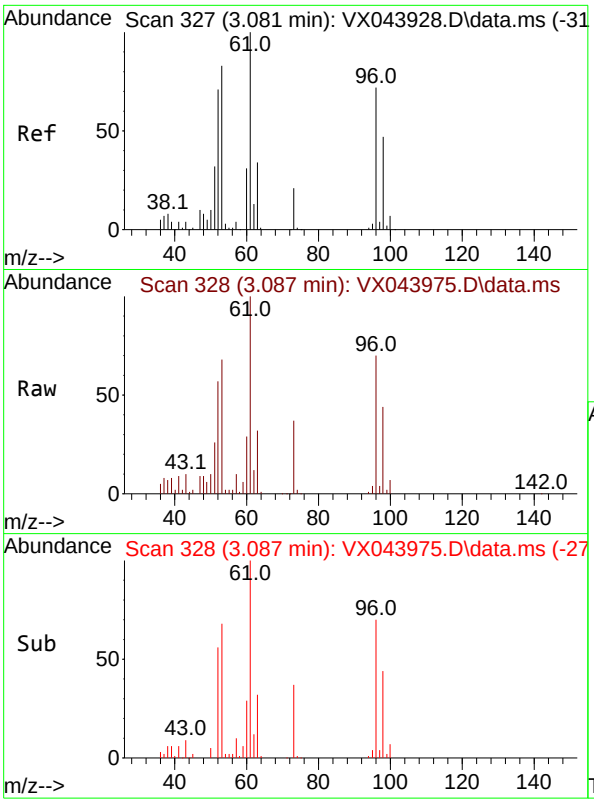




#20
Methylene Chloride
Concen: 46.692 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.0 | 102.7 | 154.1 |
| 51 | 37.8 | 31.7 | 47.5 |
| 86 | 62.6 | 53.9 | 80.9 |



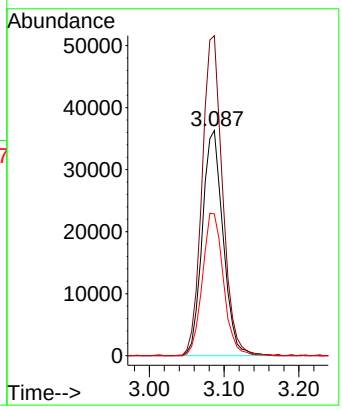


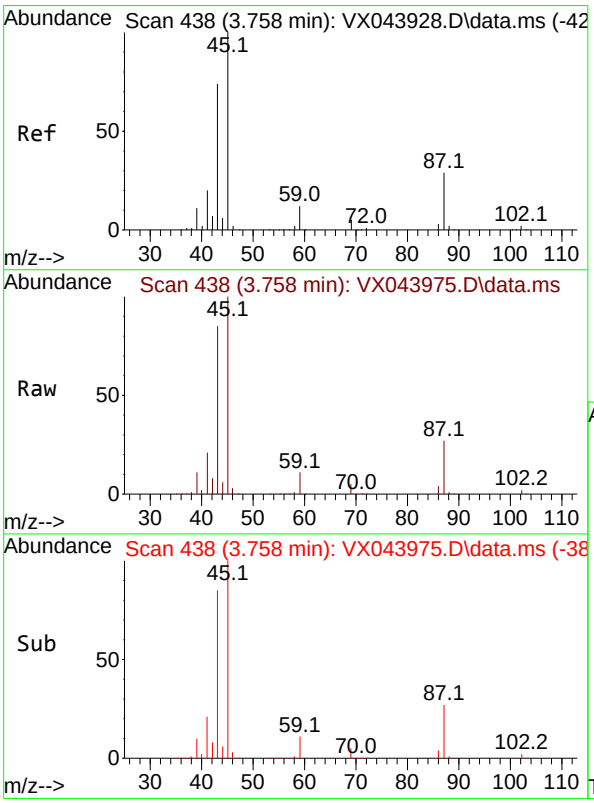

#21
trans-1,2-Dichloroethene
Concen: 47.861 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 70023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.9 | 111.8 | 167.6 |
| 98 | 63.0 | 52.7 | 79.1 |

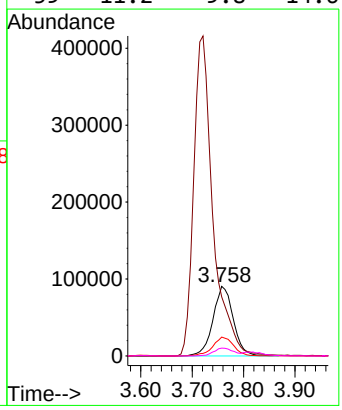


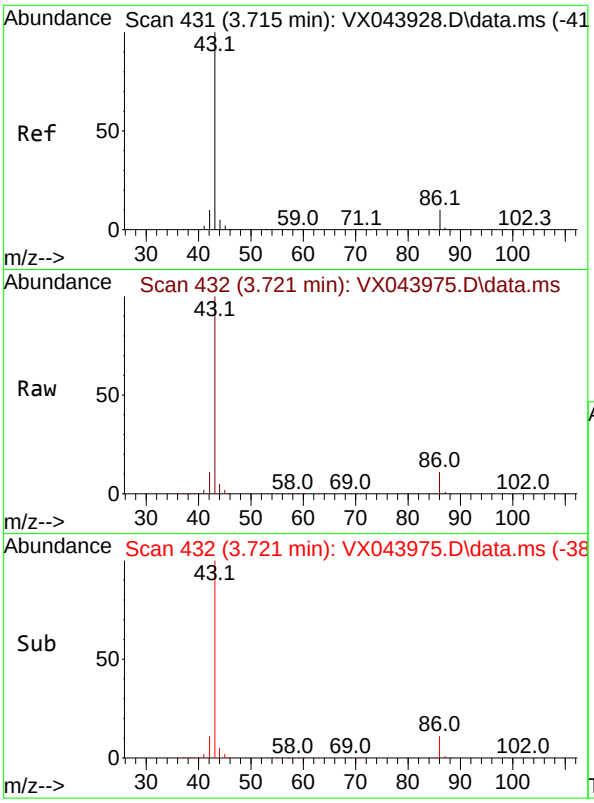




#22
Diisopropyl ether
Concen: 50.212 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 84.4 | 59.6 | 89.4 |
| 87 | 27.2 | 22.9 | 34.3 |
| 59 | 11.2 | 9.8 | 14.6 |



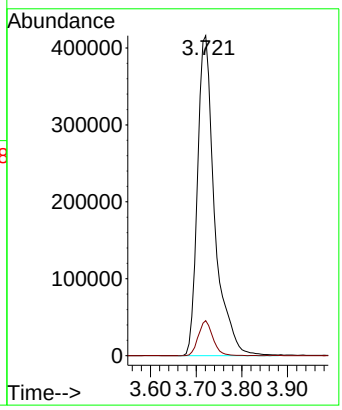


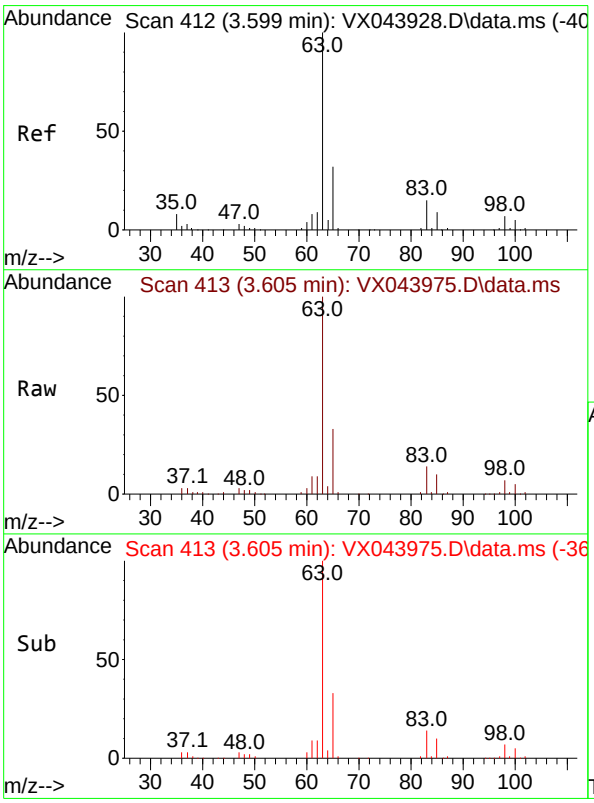

#23
Vinyl Acetate
Concen: 255.744 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1083211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 11.0 | 8.3 | 12.5 |

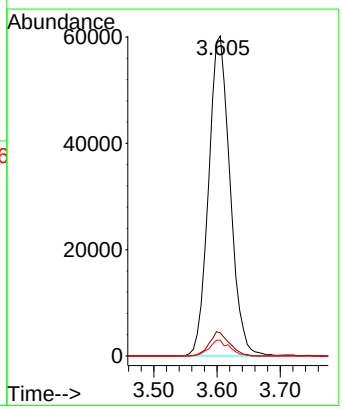


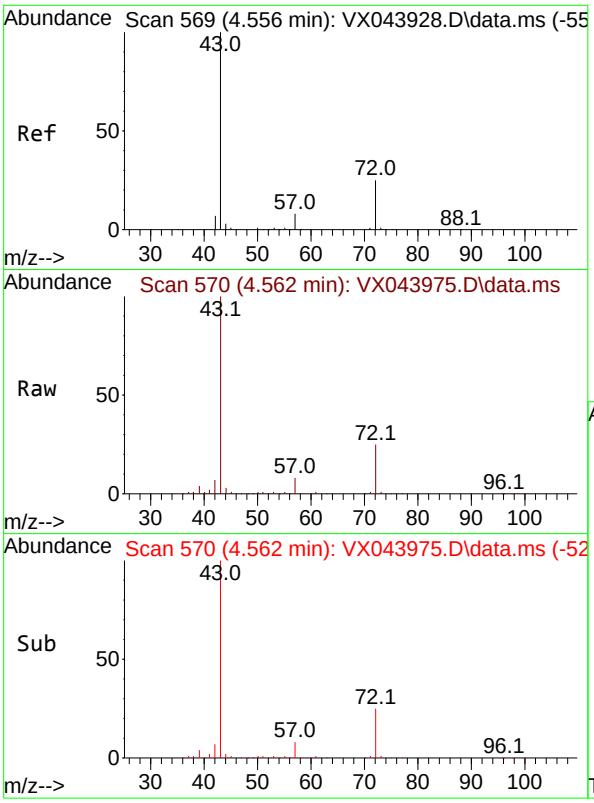




#24
1,1-Dichloroethane
Concen: 49.748 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.2 | 3.5 | 10.6 |
| 100 | 4.9 | 2.4 | 7.1 |



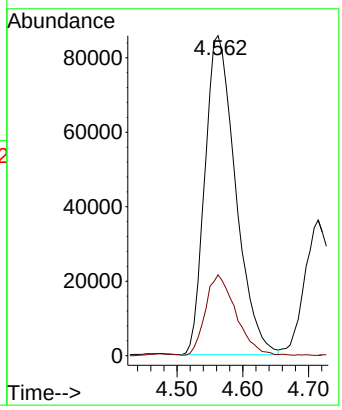


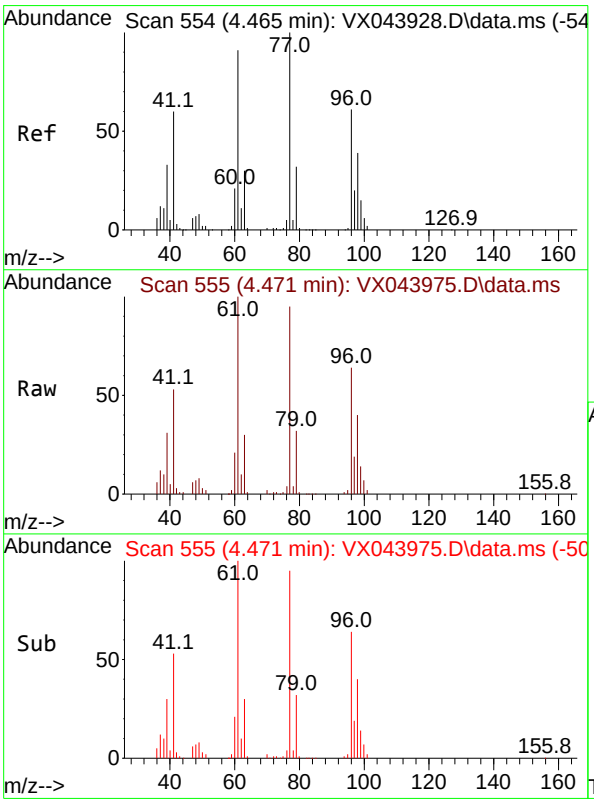

#25
2-Butanone
Concen: 222.822 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 278537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.0 | 20.2 | 30.2 |

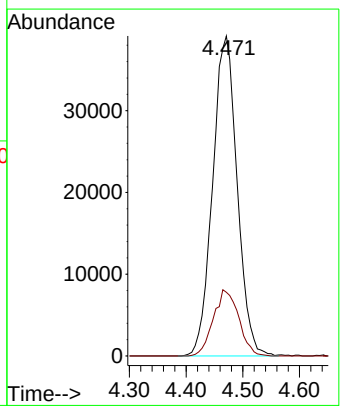


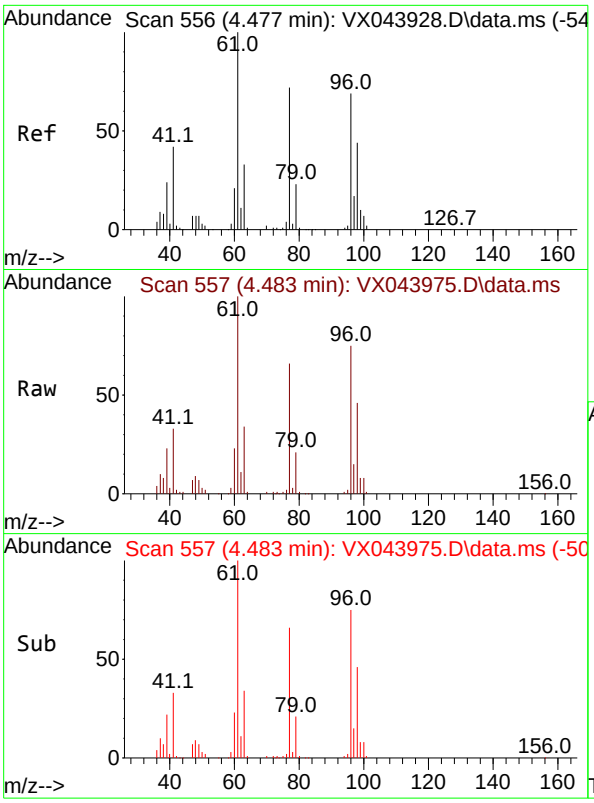




#26
2,2-Dichloropropane
Concen: 45.557 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.4 | 10.8 | 32.3 |



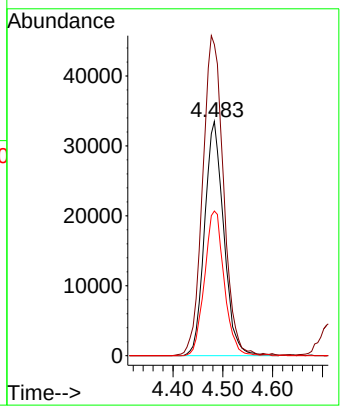


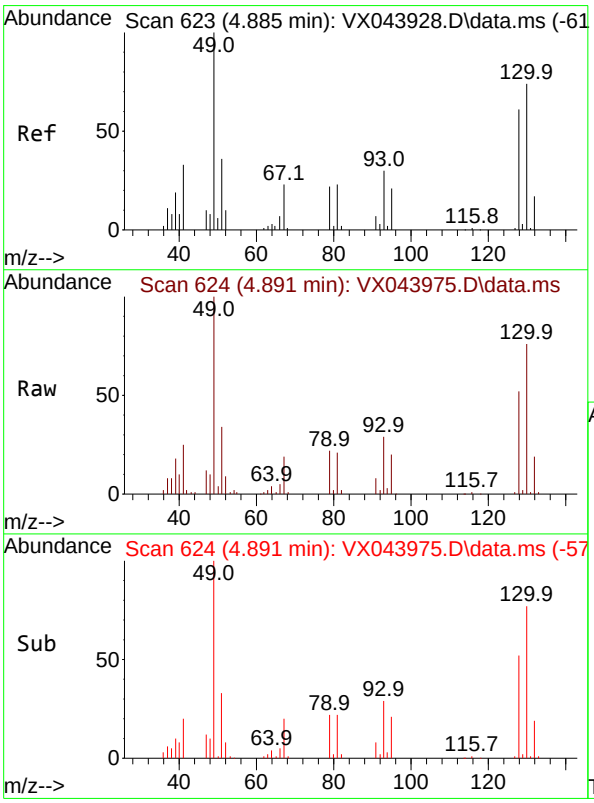

#27
cis-1,2-Dichloroethene
Concen: 49.483 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 89489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.3 | 0.0 | 297.4 |
| 98 | 63.1 | 0.0 | 127.8 |

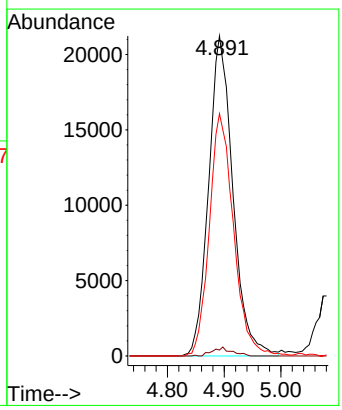


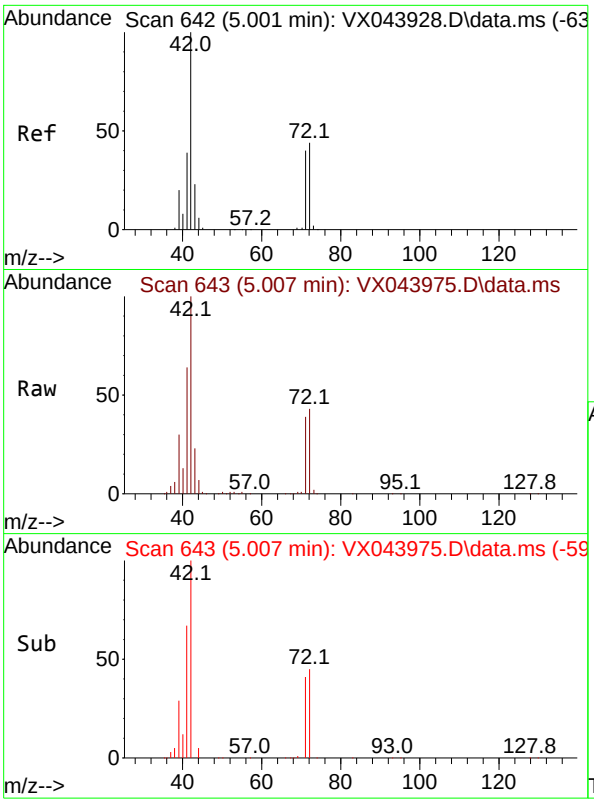




#28
Bromochloromethane
Concen: 50.141 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 2.2 | 0.0 | 4.0 |
| 130 | 75.6 | 59.0 | 88.6 |



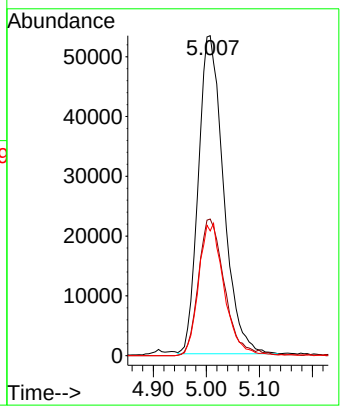


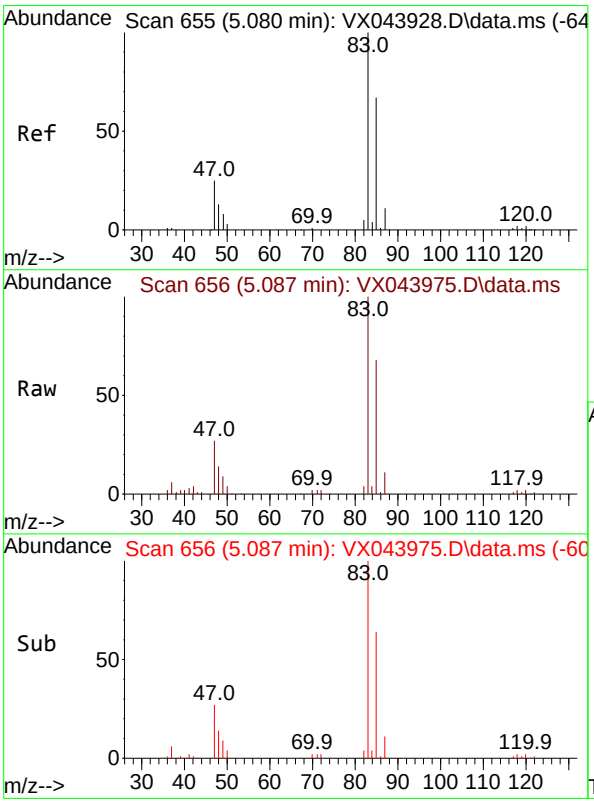

#29
Tetrahydrofuran
Concen: 229.176 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 175631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.5 | 36.4 | 54.6 |
| 71 | 42.0 | 33.4 | 50.0 |

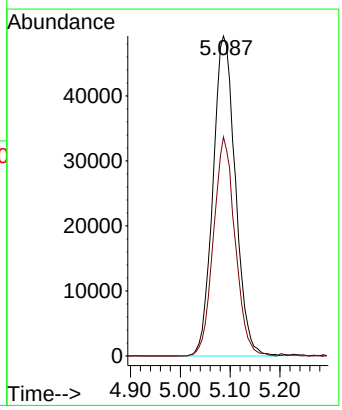


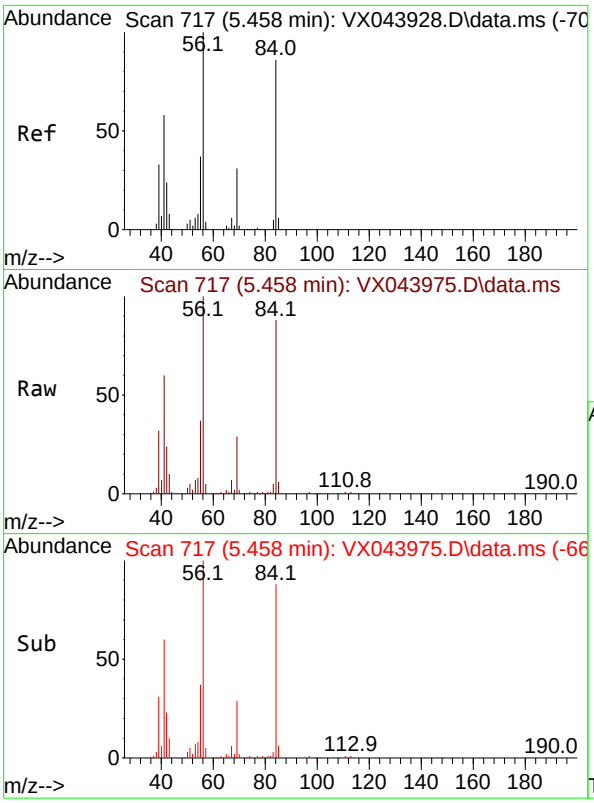




#30
Chloroform
Concen: 49.881 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 83 Resp: 153240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.5 | 53.5 | 80.3 |



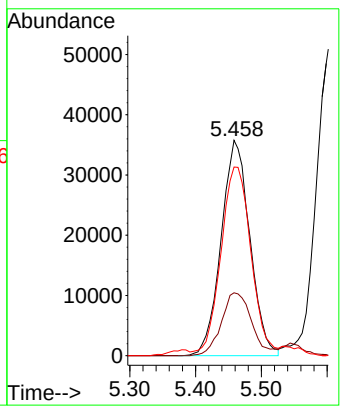


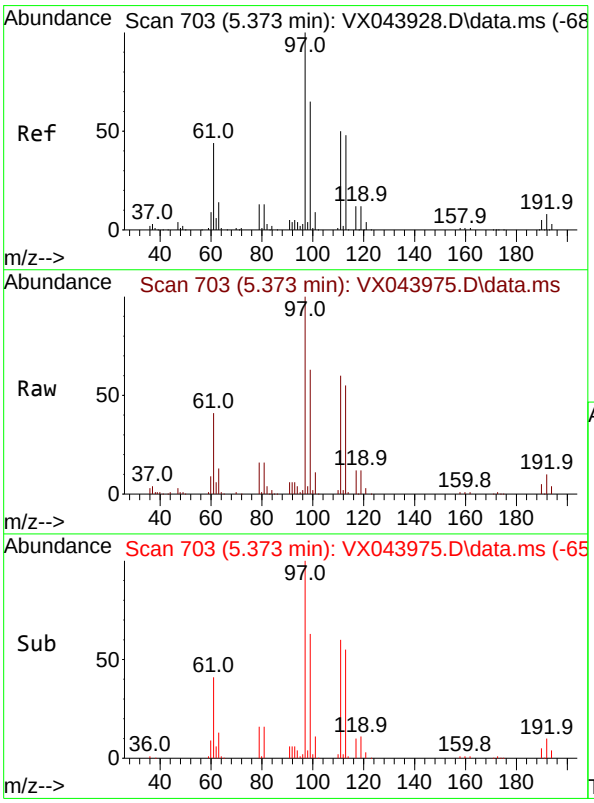

#31
Cyclohexane
Concen: 46.218 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 108654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.2 | 24.7 | 37.1 |
| 84 | 85.4 | 68.7 | 103.1 |

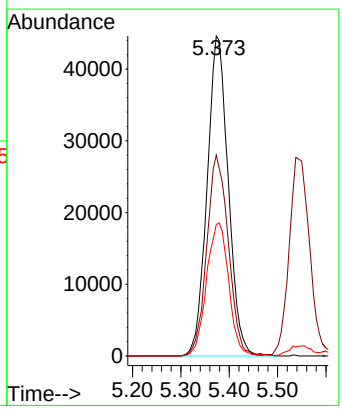


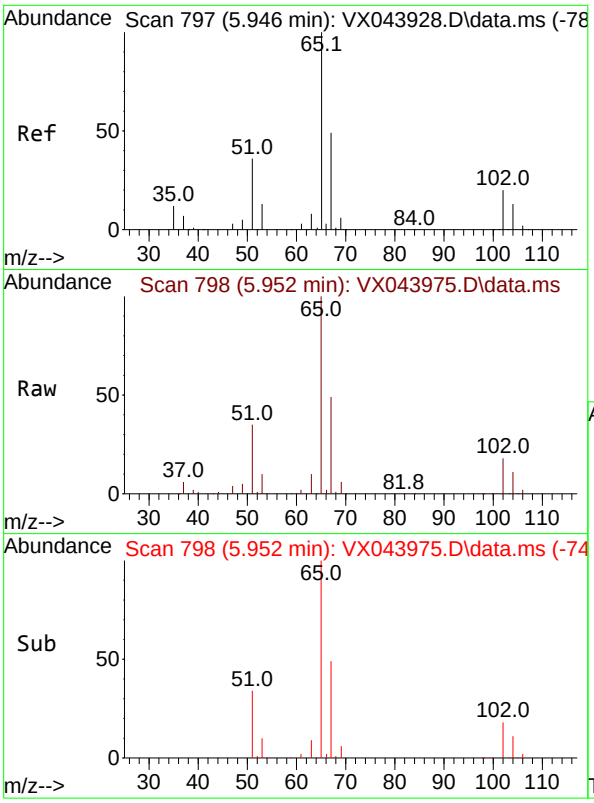




#32
1,1,1-Trichloroethane
Concen: 51.132 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.0 | 50.8 | 76.2 |
| 61 | 43.7 | 35.4 | 53.2 |



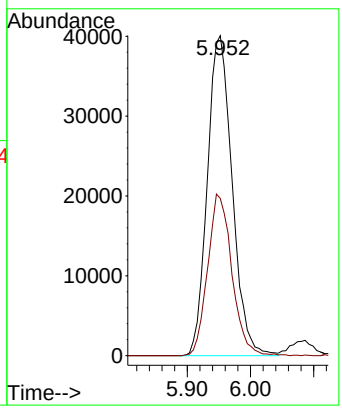


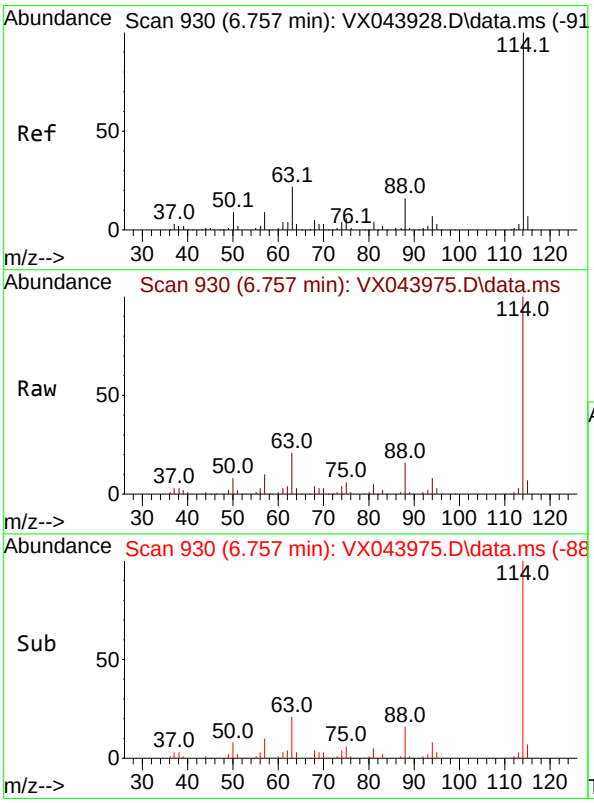

#33
1,2-Dichloroethane-d4
Concen: 51.858 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 109385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.2 | 0.0 | 100.8 |

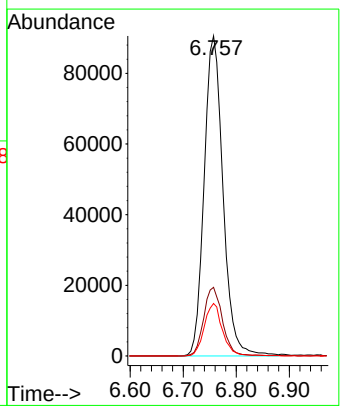


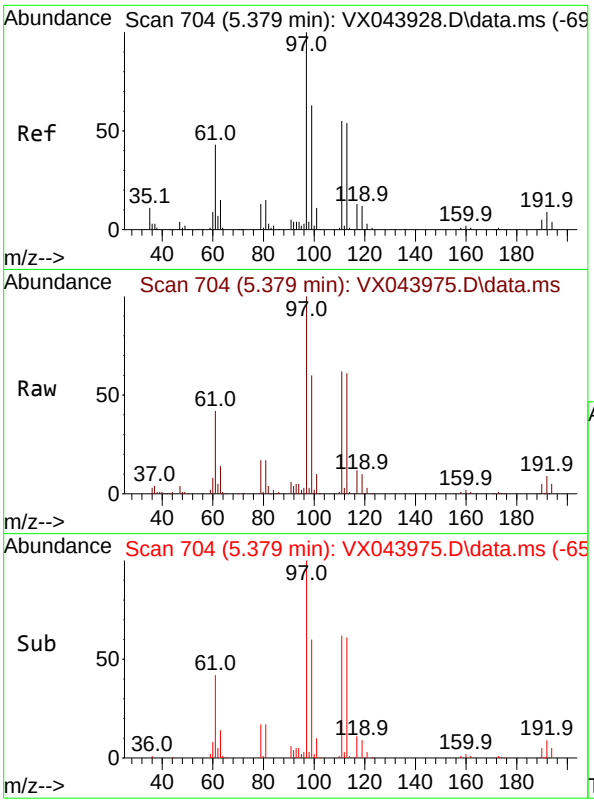




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:114 Resp: 223634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 32.4 |



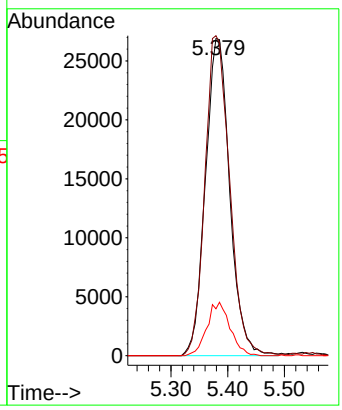


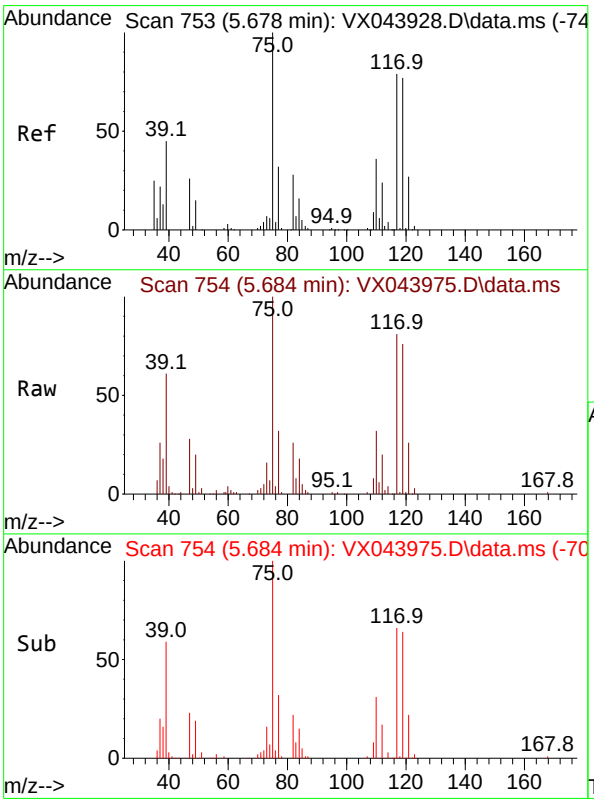

#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 80080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 81.0 | 121.4 |
| 192 | 16.0 | 13.0 | 19.6 |

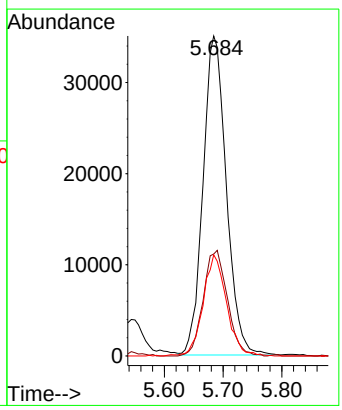


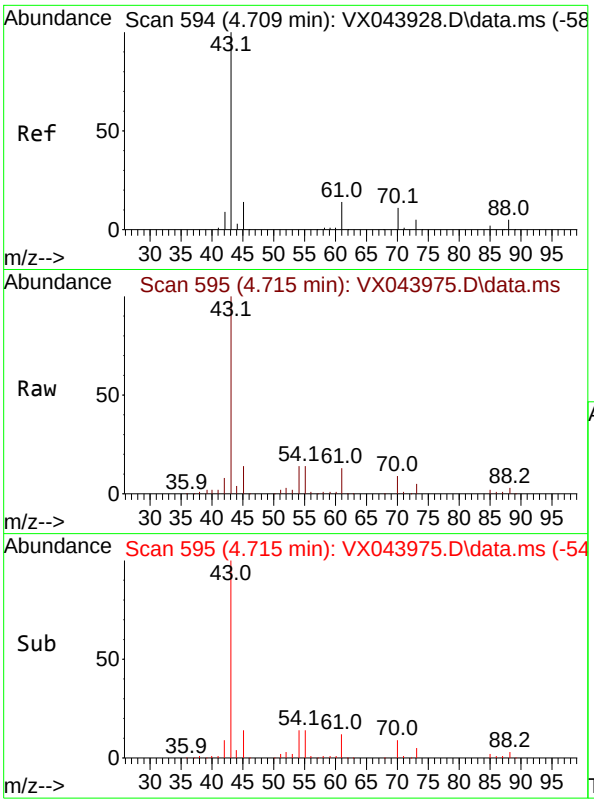




#36
1,1-Dichloropropene
Concen: 48.403 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.2 | 17.4 | 52.2 |
| 77 | 31.9 | 25.8 | 38.8 |



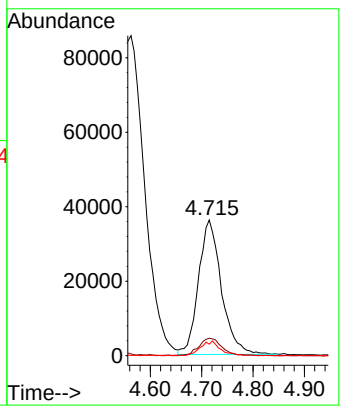


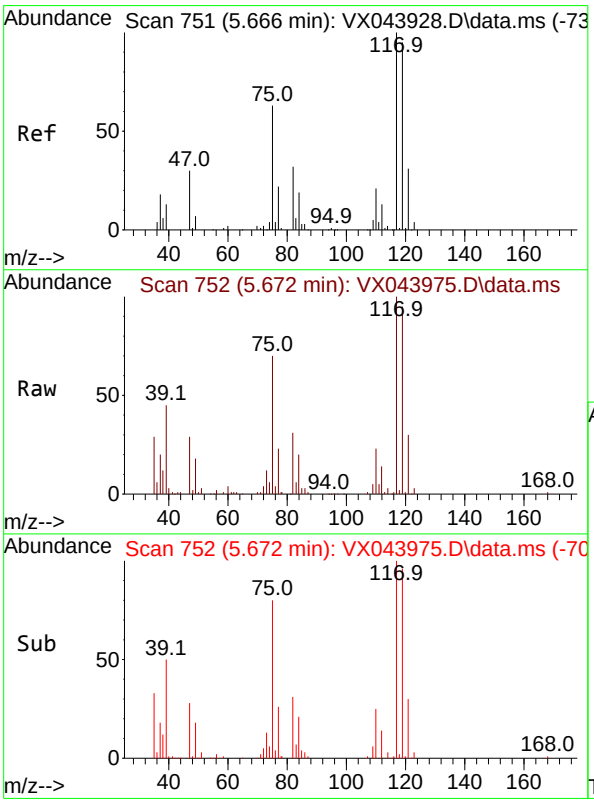

#37
Ethyl Acetate
Concen: 45.245 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 111838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.3 | 10.7 | 16.1 |
| 70 | 9.5 | 8.0 | 12.0 |

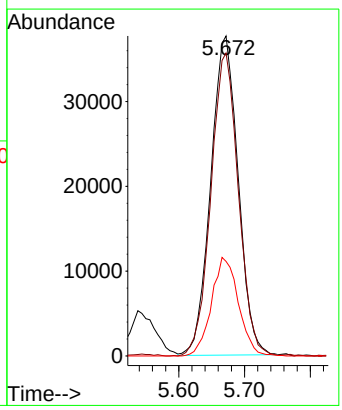


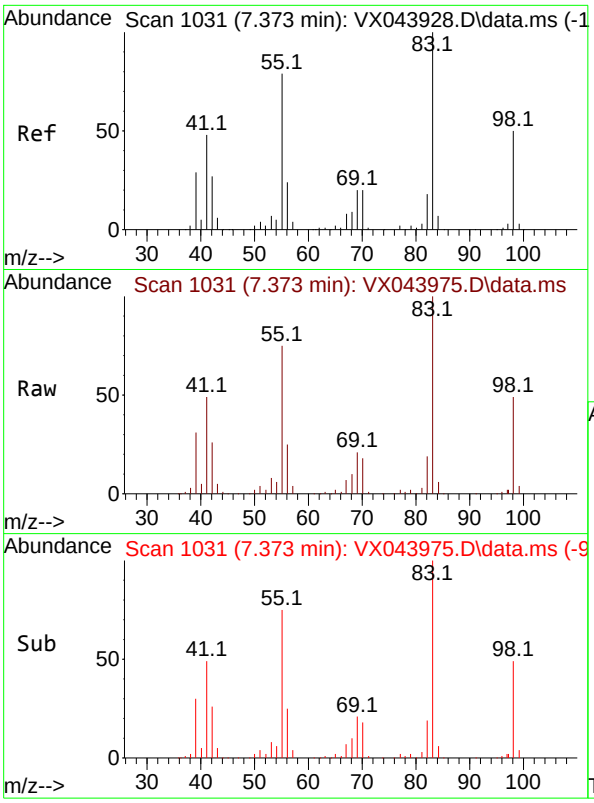




#38
Carbon Tetrachloride
Concen: 48.766 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 109113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.1 | 75.2 | 112.8 |
| 121 | 29.7 | 24.5 | 36.7 |



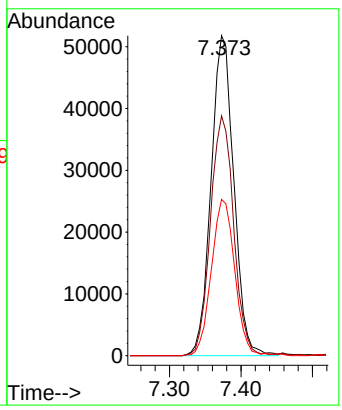


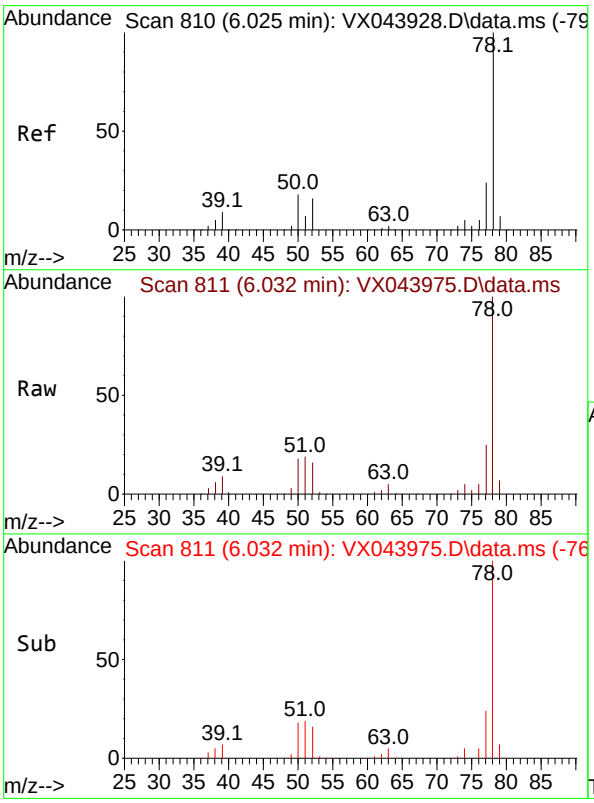

#39
Methylcyclohexane
Concen: 44.283 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 114556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 74.9 | 63.1 | 94.7 |
| 98 | 48.8 | 40.0 | 60.0 |

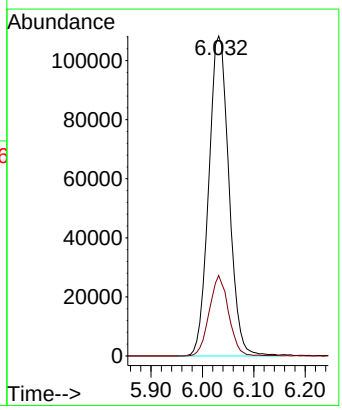


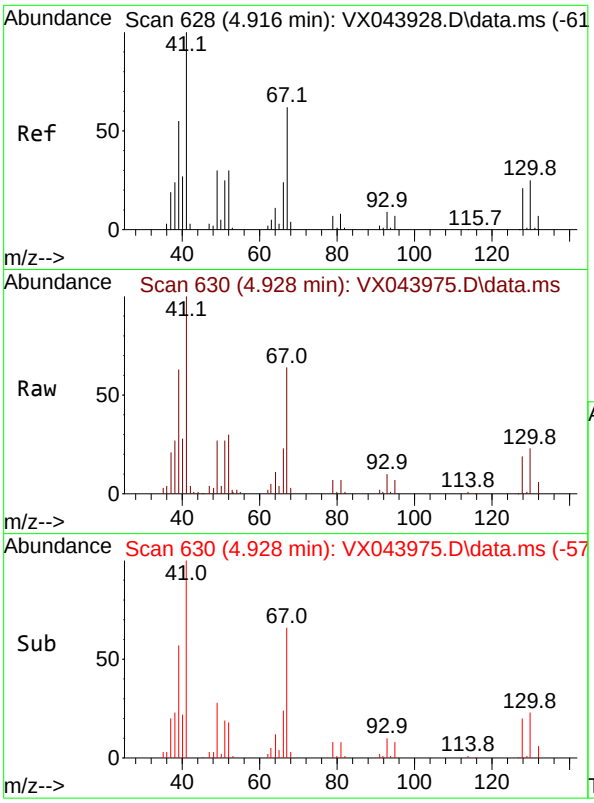




#40
Benzene
Concen: 47.732 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 25.1 | 19.2 | 28.8 |



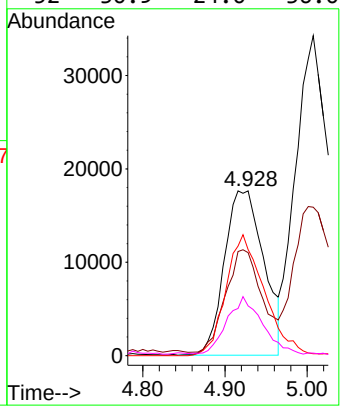


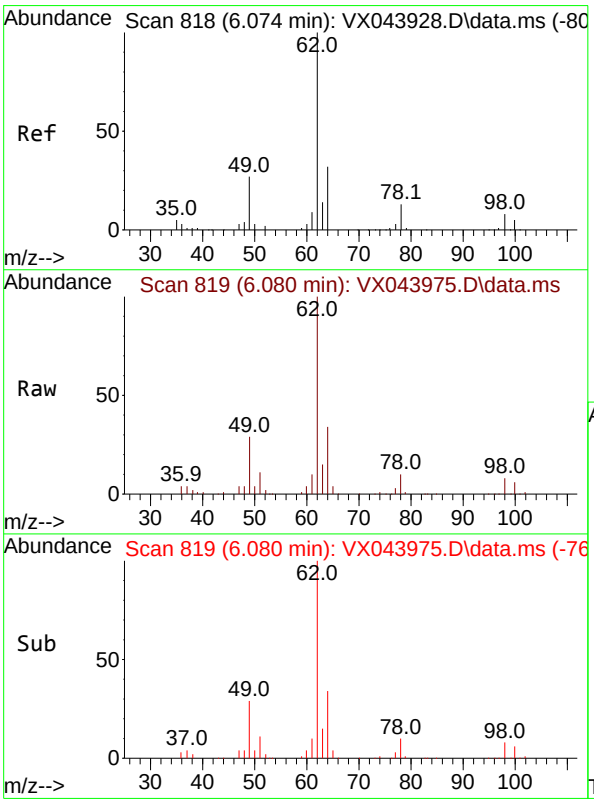

#41
Methacrylonitrile
Concen: 46.538 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 58876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 57.9 | 41.7 | 62.5 |
| 67 | 72.3 | 55.8 | 83.8 |
| 52 | 30.9 | 24.0 | 36.0 |

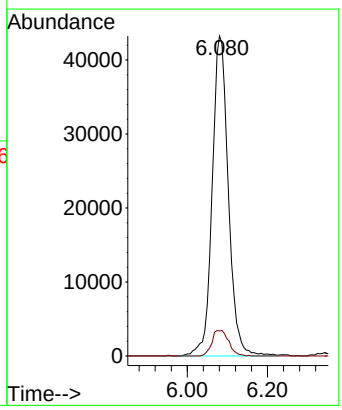


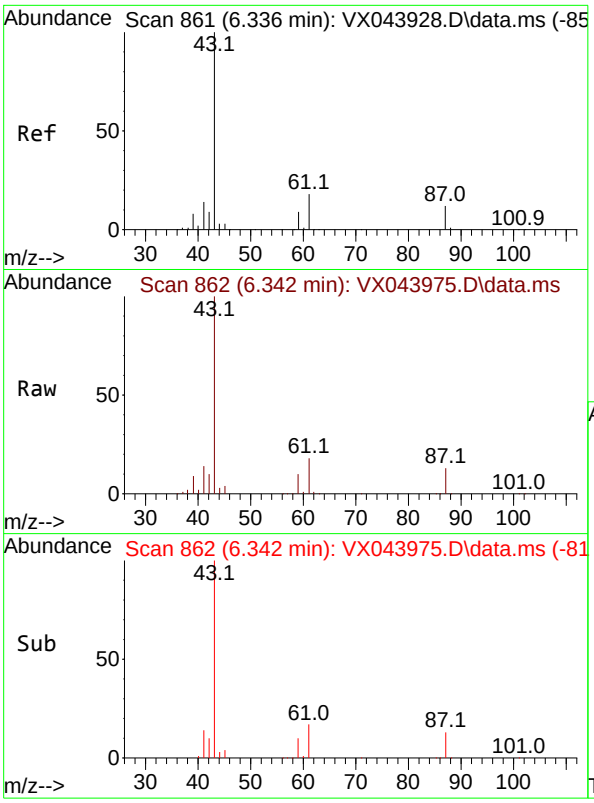




#42
1,2-Dichloroethane
Concen: 48.527 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.3 | 0.0 | 16.4 |



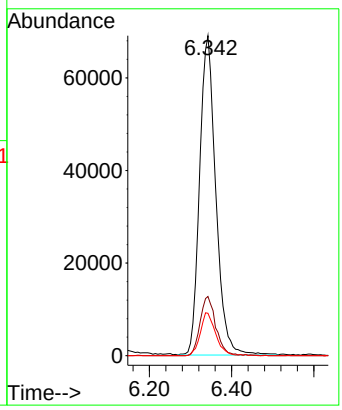


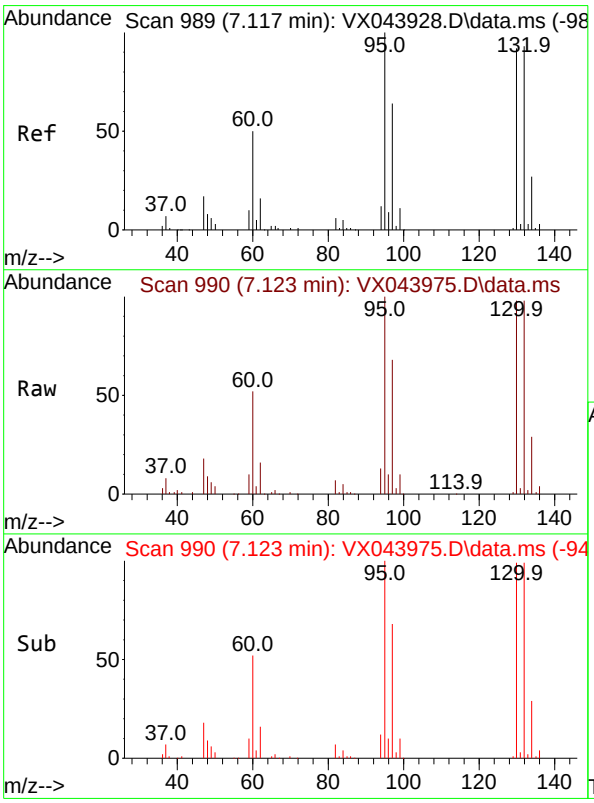

#43
Isopropyl Acetate
Concen: 48.002 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 188827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.1 | 14.5 | 21.7 |
| 87 | 12.7 | 10.2 | 15.2 |

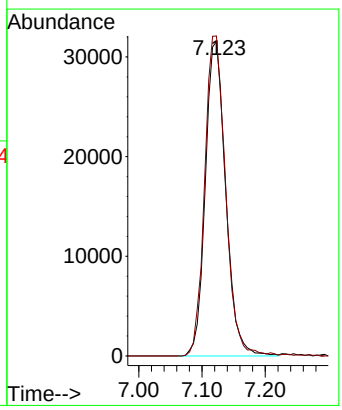


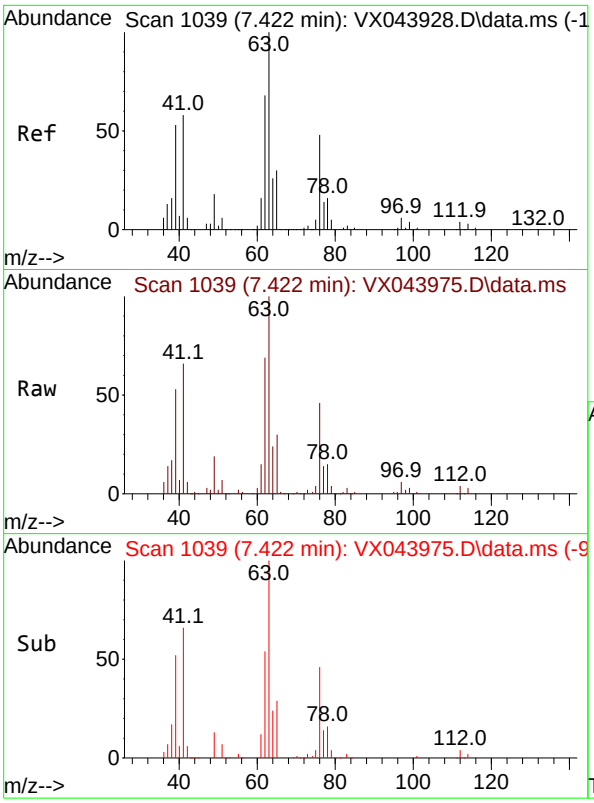




#44
Trichloroethene
Concen: 40.354 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:130 Resp: 70858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.8 | 0.0 | 217.8 |



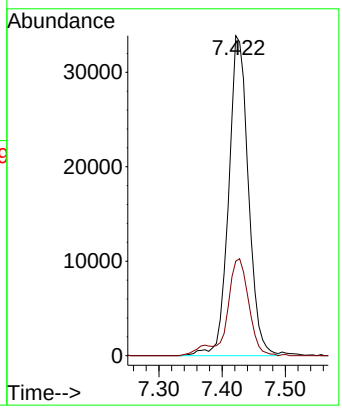


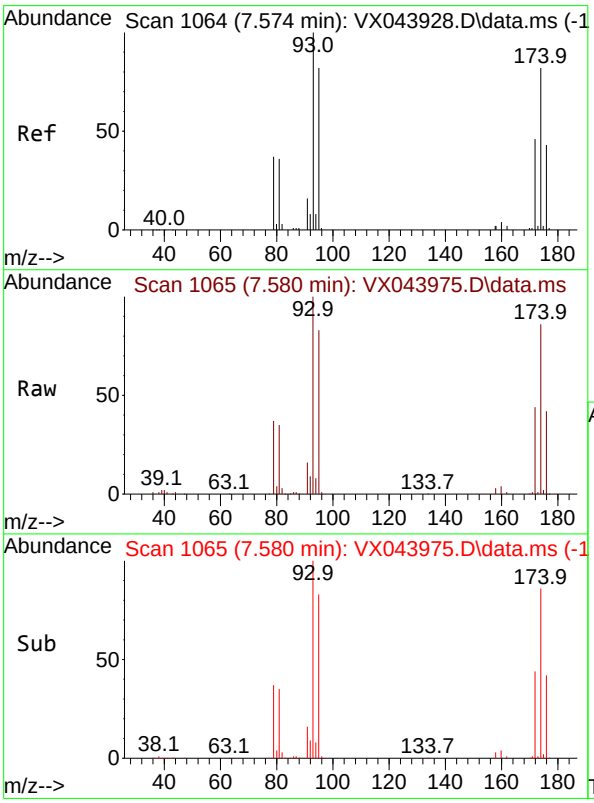

#45
1,2-Dichloropropane
Concen: 48.373 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 73488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.6 | 23.8 | 35.6 |

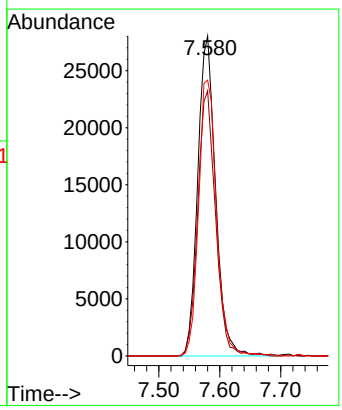


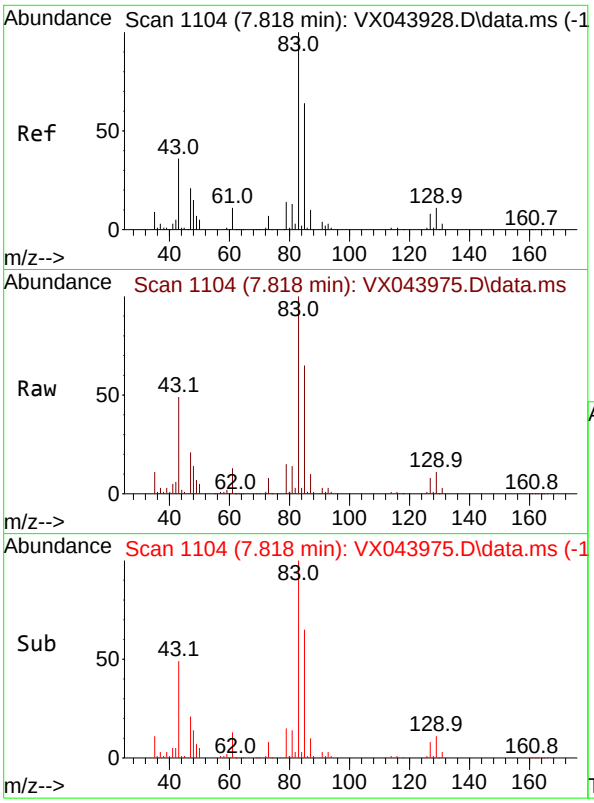




#46
Dibromomethane
Concen: 47.608 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 66.2 | 99.4 |
| 174 | 86.7 | 69.6 | 104.4 |



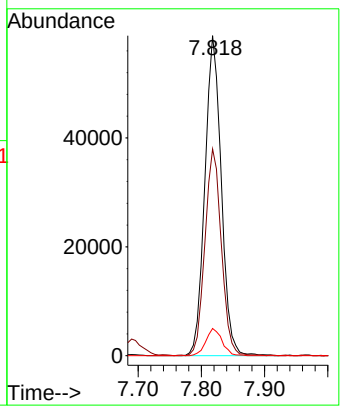


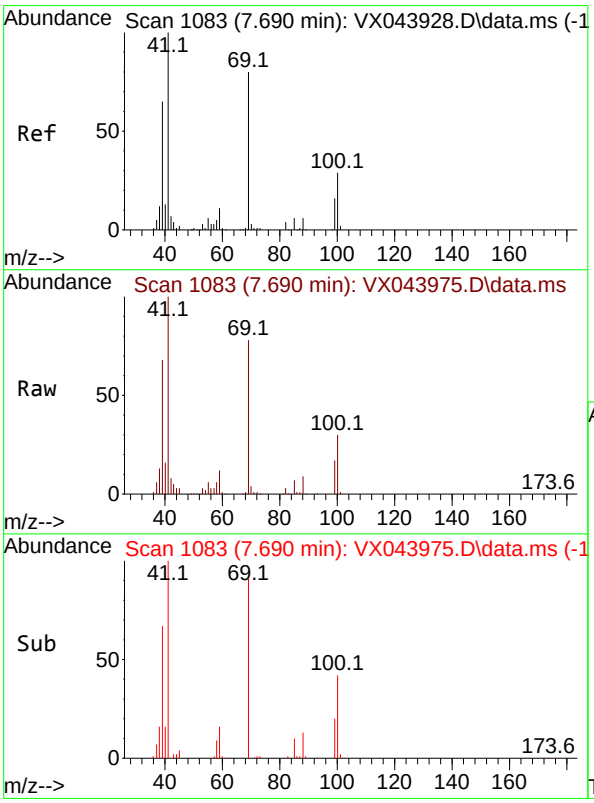

#47
Bromodichloromethane
Concen: 49.233 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 106111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.6 | 51.4 | 77.0 |
| 127 | 8.5 | 6.6 | 10.0 |

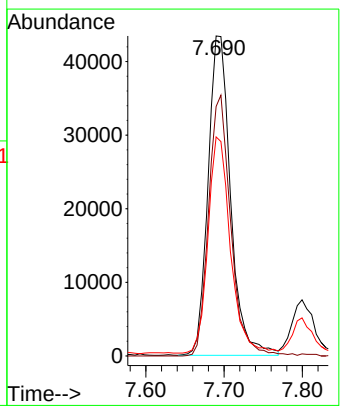


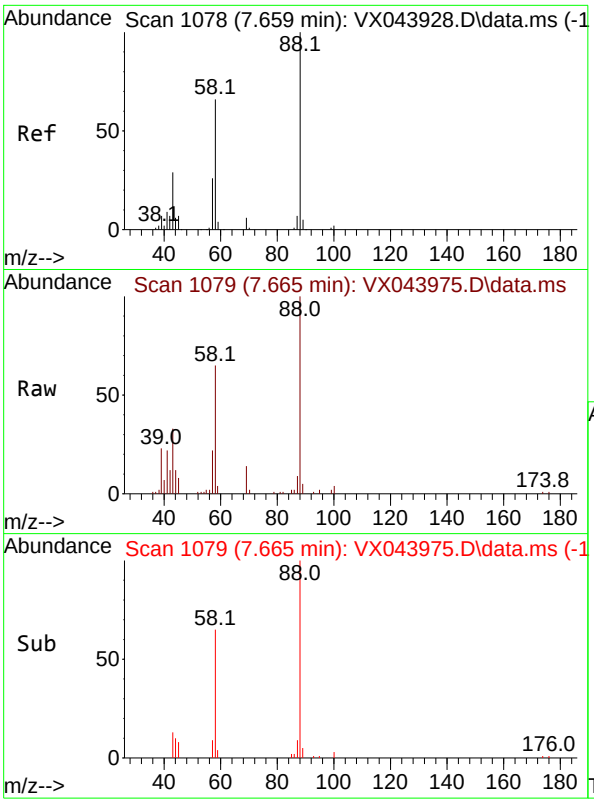




#48
Methyl methacrylate
Concen: 45.987 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.4 | 64.6 | 97.0 |
| 39 | 67.2 | 53.3 | 79.9 |



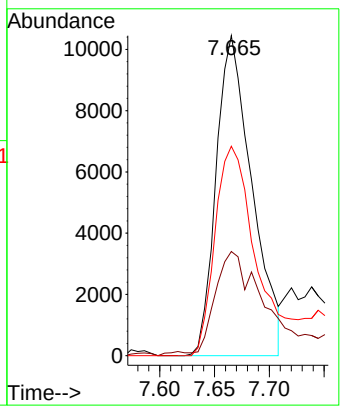


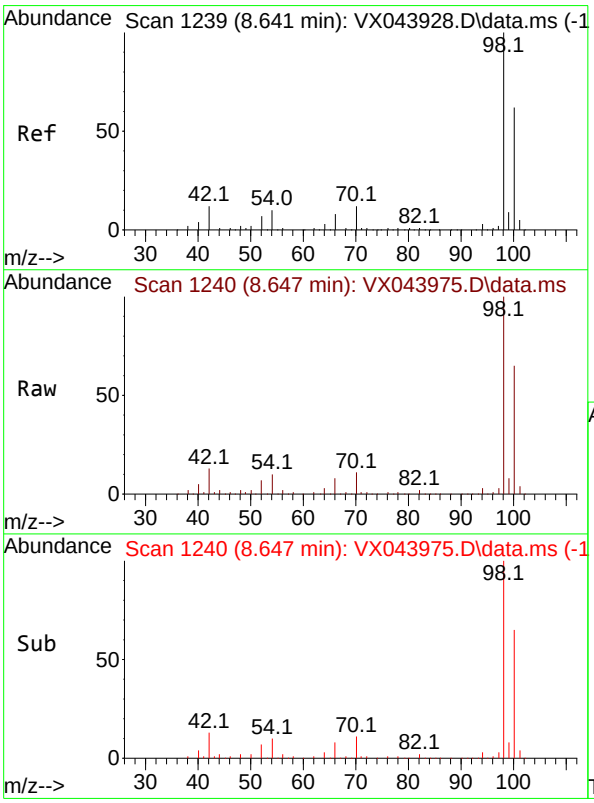

#49
1,4-Dioxane
Concen: 708.970 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 23838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 43.2 | 26.8 | 40.2# |
| 58 | 76.3 | 45.4 | 68.2# |

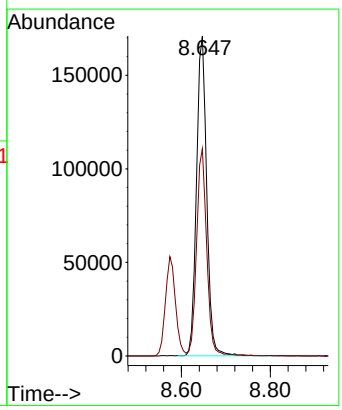


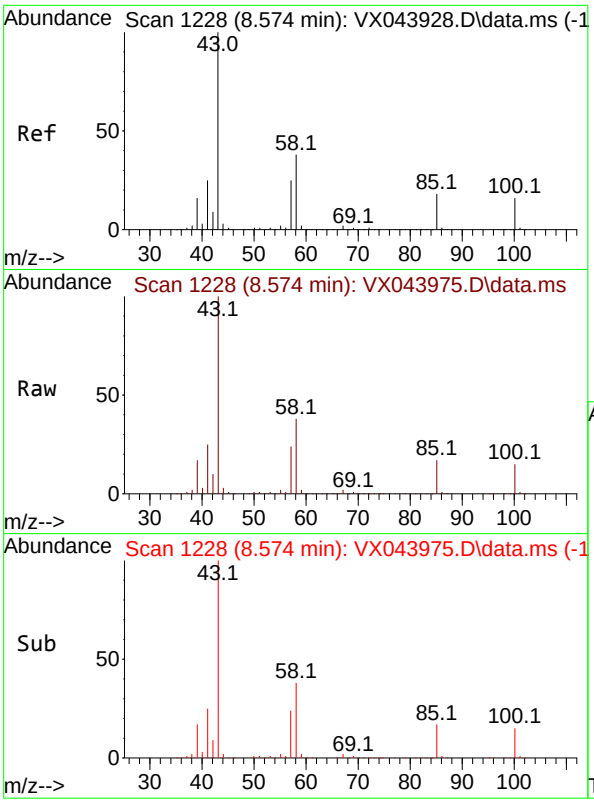




#50
Toluene-d8
Concen: 49.385 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.4 | 52.6 | 79.0 |



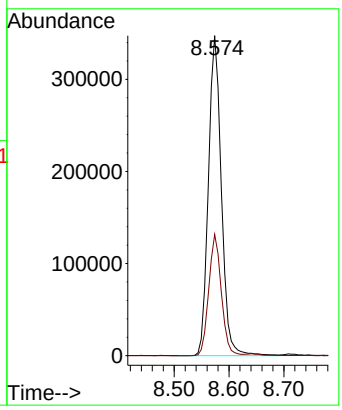


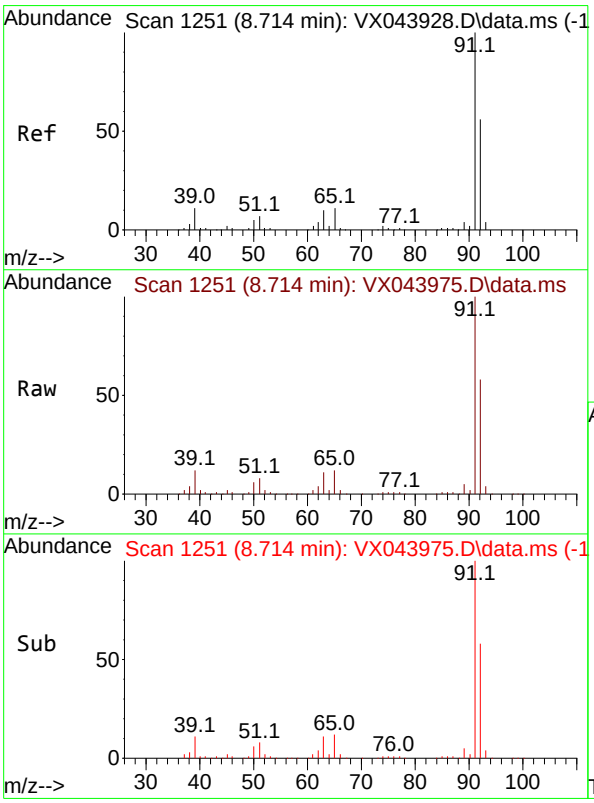

#51
4-Methyl-2-Pentanone
Concen: 237.028 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 569005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.7 | 30.0 | 45.0 |

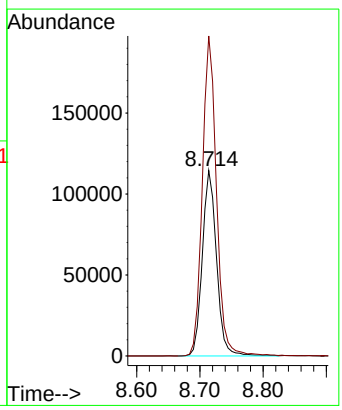


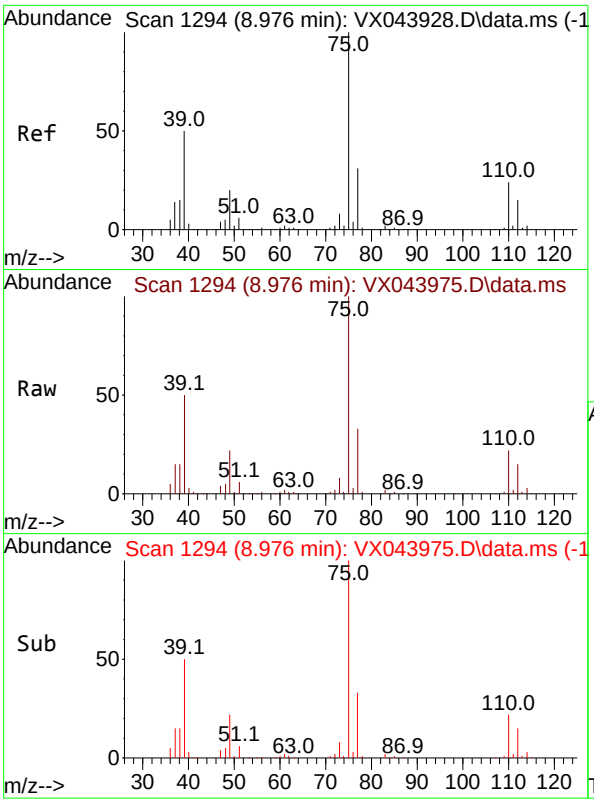




#52
Toluene
Concen: 48.314 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 139.7 | 209.5 |



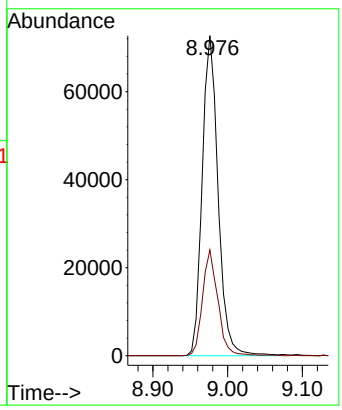


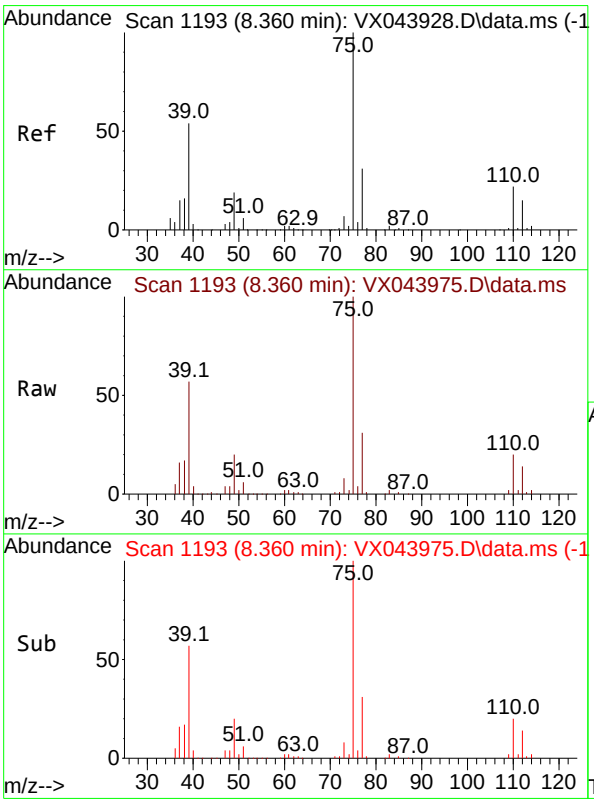

#53
t-1,3-Dichloropropene
Concen: 48.867 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 107403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 25.1 | 37.7 |

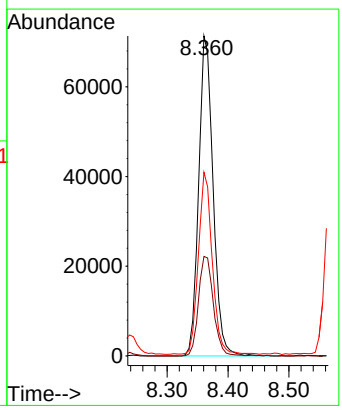


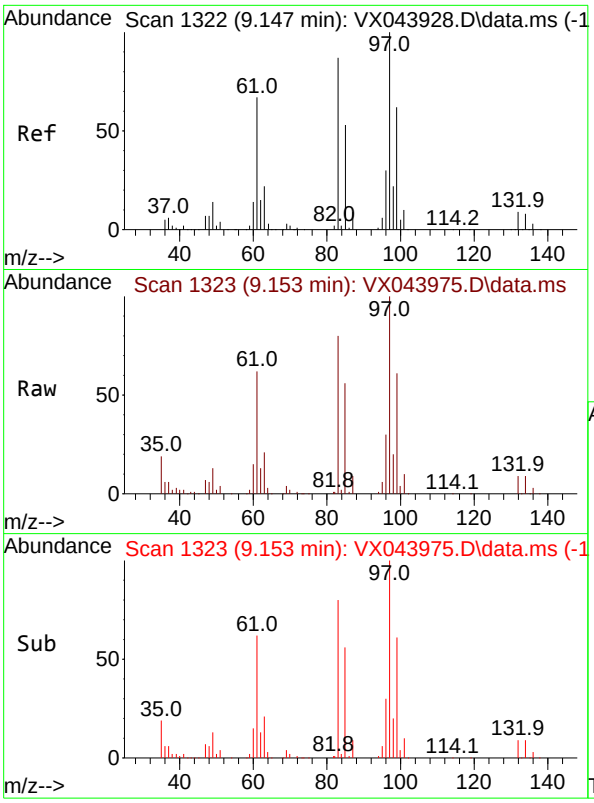




#54
cis-1,3-Dichloropropene
Concen: 48.756 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 25.2 | 37.8 |
| 39 | 56.8 | 43.1 | 64.7 |



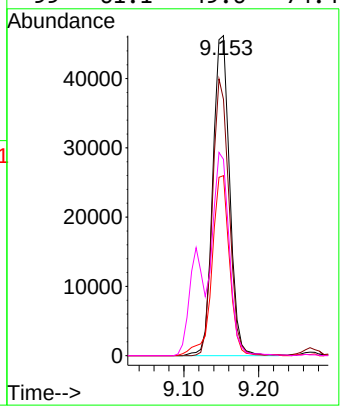


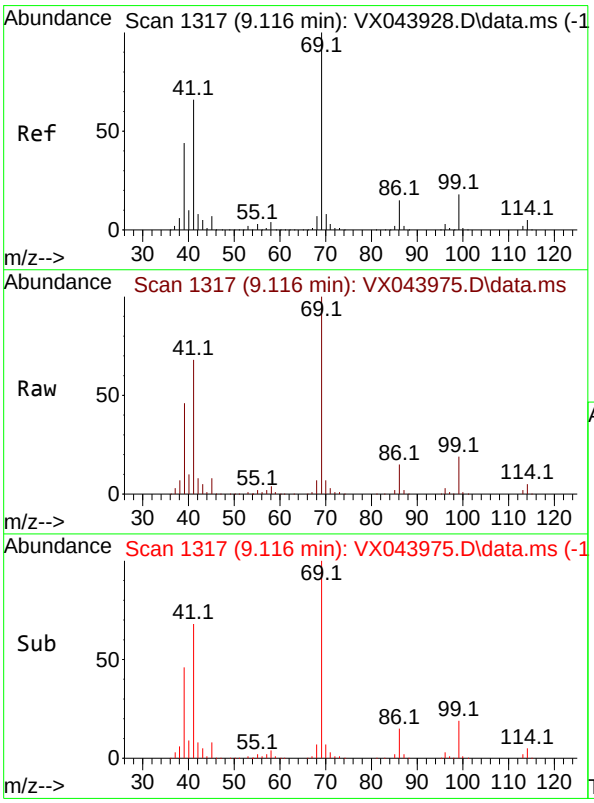

#55
1,1,2-Trichloroethane
Concen: 47.244 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 72401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 80.1 | 69.4 | 104.0 |
| 85 | 56.1 | 42.3 | 63.5 |
| 99 | 61.1 | 49.6 | 74.4 |

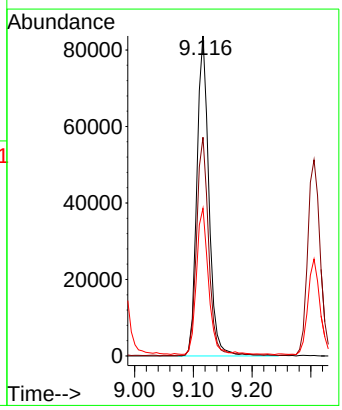


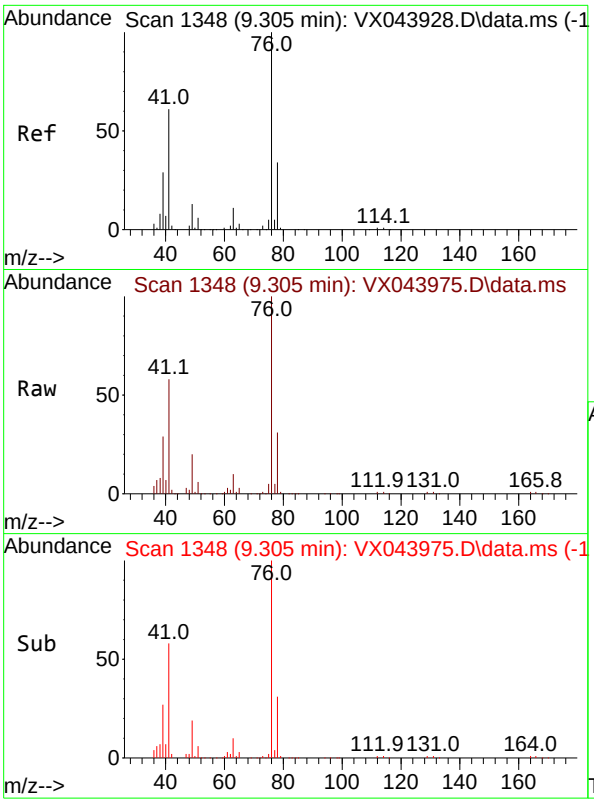




#56
Ethyl methacrylate
Concen: 49.720 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 69 Resp: 118682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 68.8 | 55.8 | 83.8 |
| 39 | 45.4 | 36.7 | 55.1 |



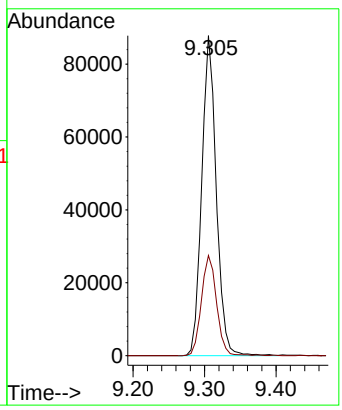


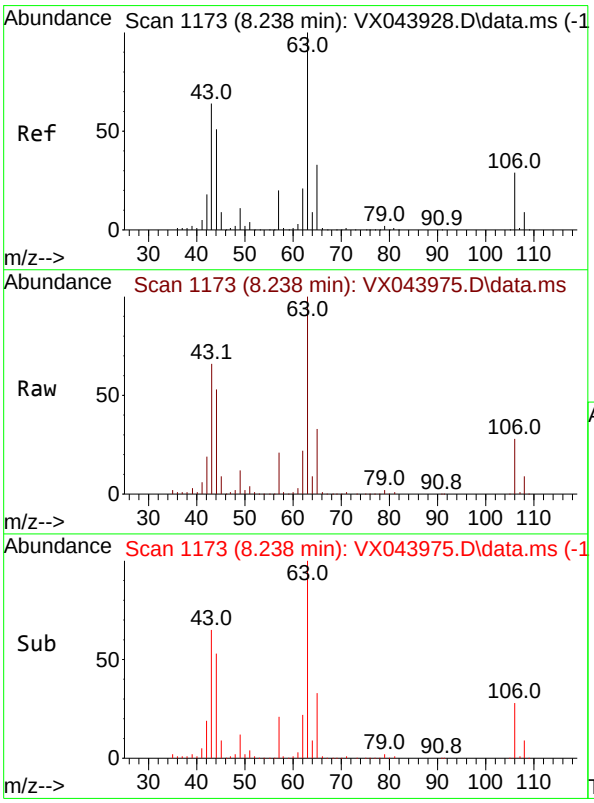

#57
1,3-Dichloropropane
Concen: 48.020 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 123967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.7 | 26.0 | 39.0 |

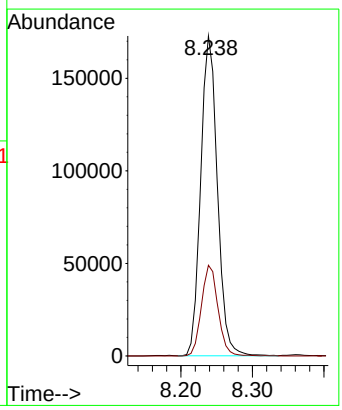


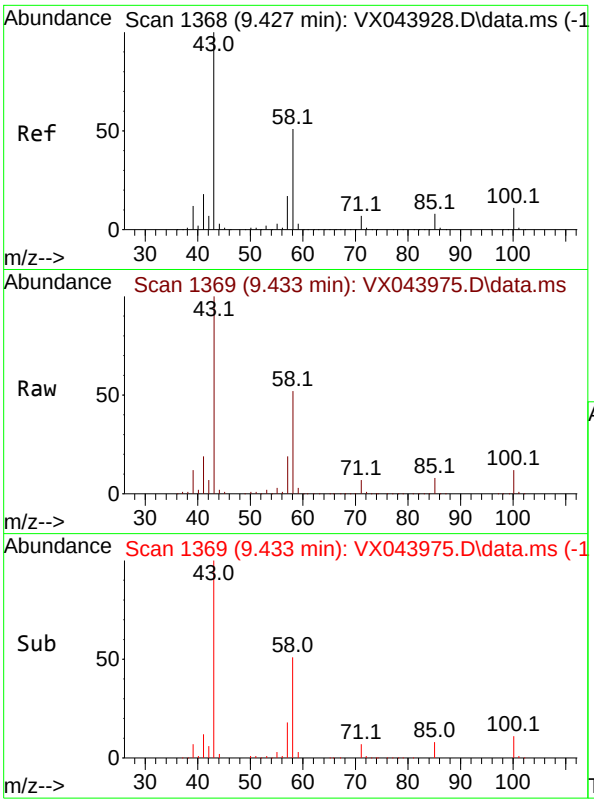




#58
2-Chloroethyl Vinyl ether
Concen: 213.469 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.2 | 23.0 | 34.6 |



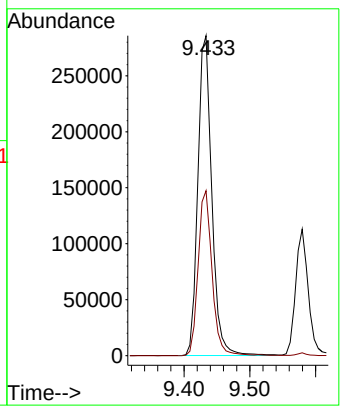


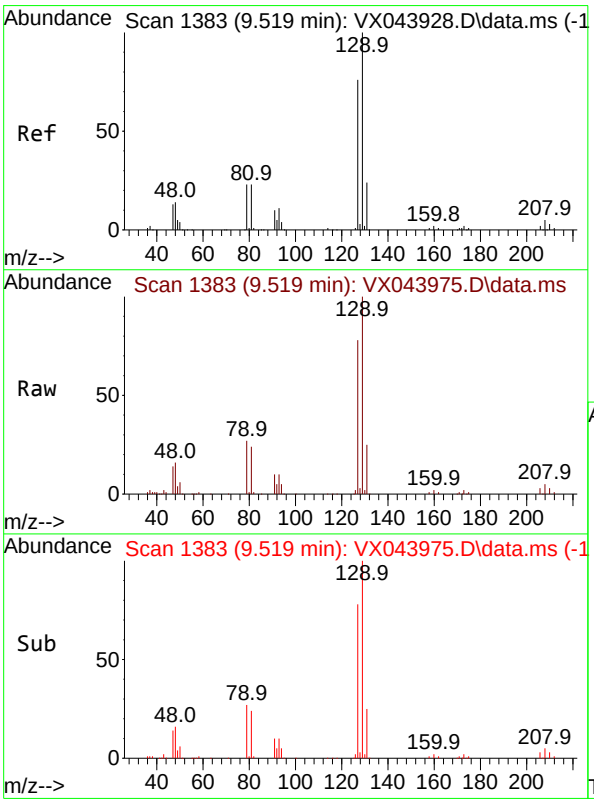

#59
2-Hexanone
Concen: 233.298 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 420948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.7 | 25.9 | 77.6 |

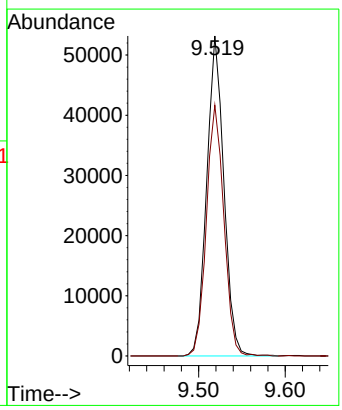


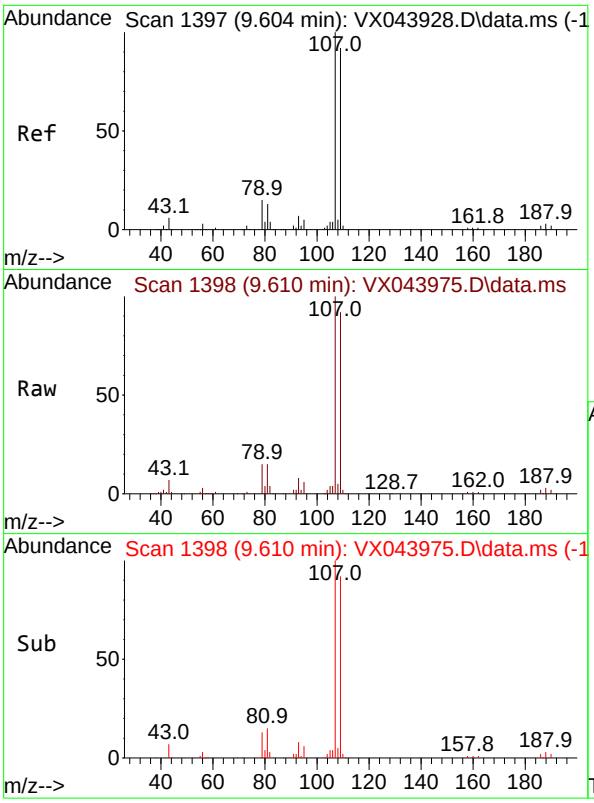




#60
Dibromochloromethane
Concen: 47.547 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:129 Resp: 73109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 79.9 | 38.2 | 114.6 |



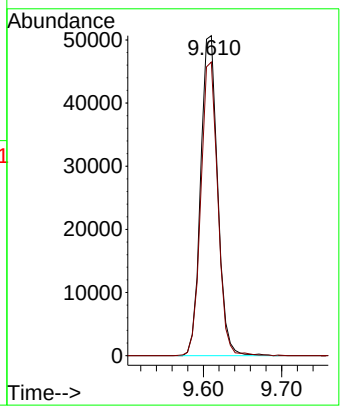


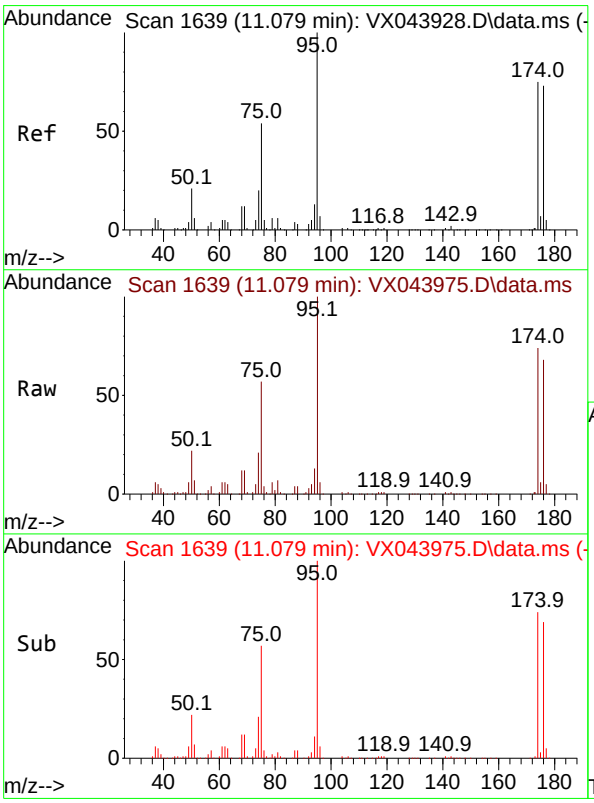

#61
1,2-Dibromoethane
Concen: 49.118 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 76113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 91.6 | 75.2 | 112.8 |

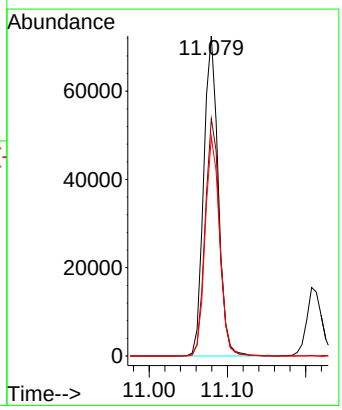


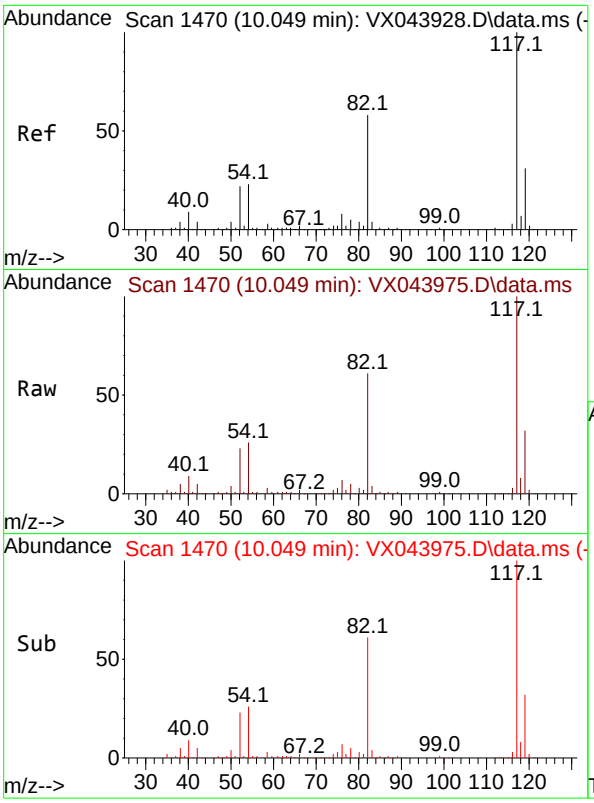




#62
4-Bromofluorobenzene
Concen: 49.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.4 | 0.0 | 150.4 |
| 176 | 68.4 | 0.0 | 146.0 |



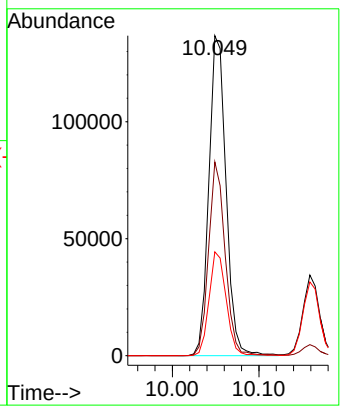


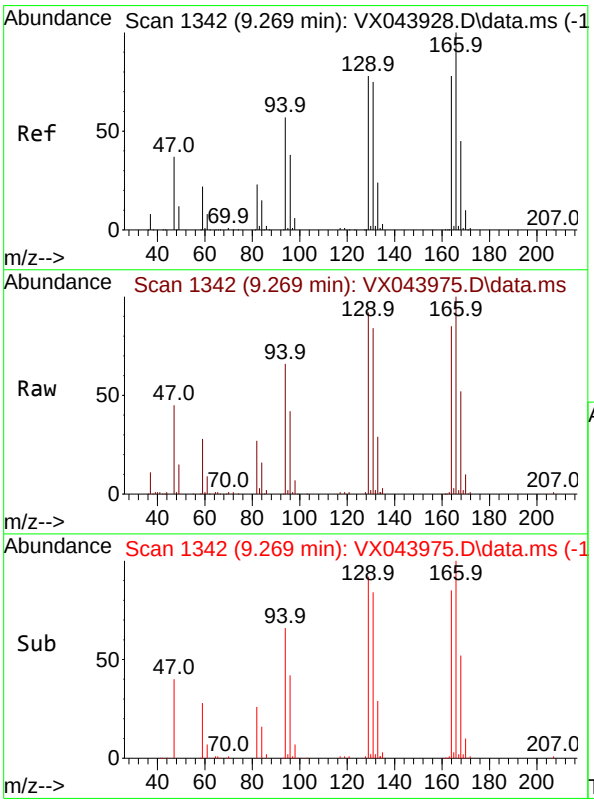

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 188299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 60.5 | 46.4 | 69.6 |
| 119 | 32.5 | 24.6 | 37.0 |

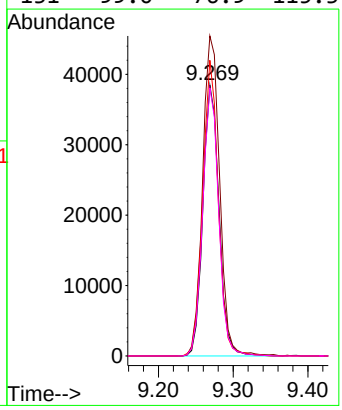


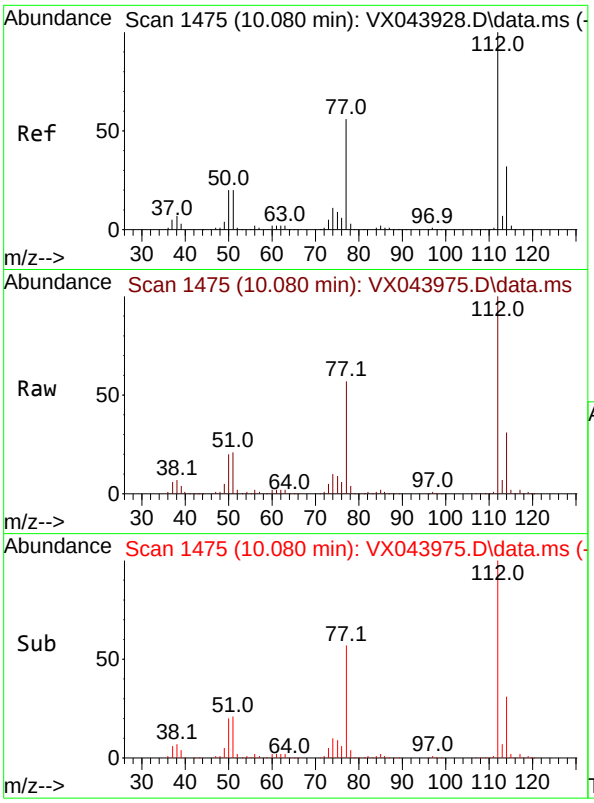




#64
Tetrachloroethene
Concen: 46.307 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 118.2 | 102.1 | 153.1 |
| 129 | 109.2 | 79.6 | 119.4 |
| 131 | 99.0 | 76.9 | 115.3 |



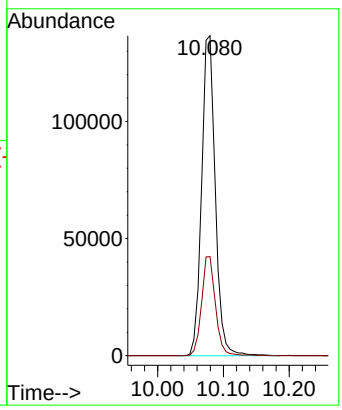


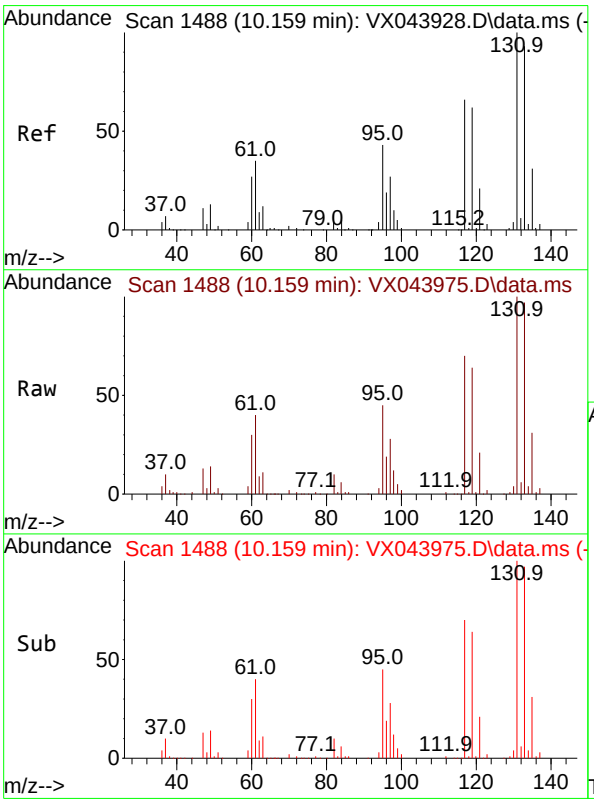

#65
Chlorobenzene
Concen: 47.680 ug/l
RT: 10.080 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 197185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.0 | 25.4 | 38.0 |

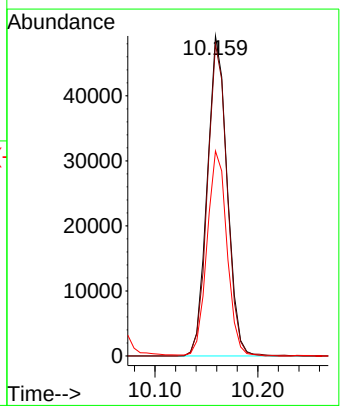


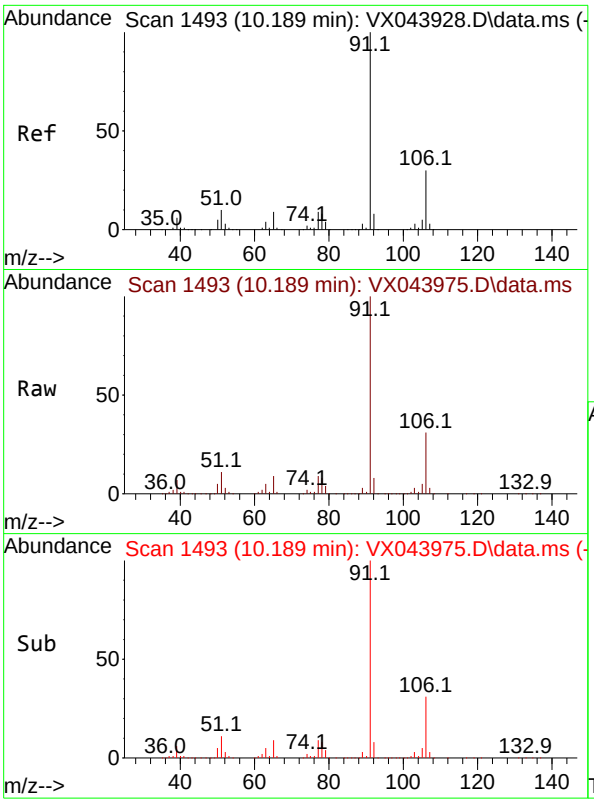




#66
1,1,1,2-Tetrachloroethane
Concen: 49.398 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.9 | 48.2 | 144.6 |
| 119 | 64.2 | 31.5 | 94.5 |



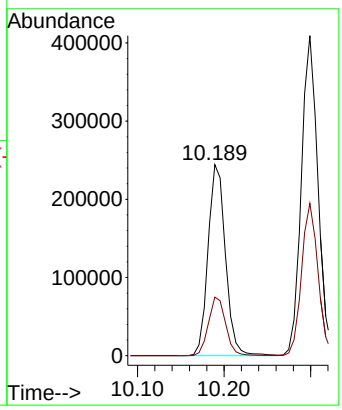


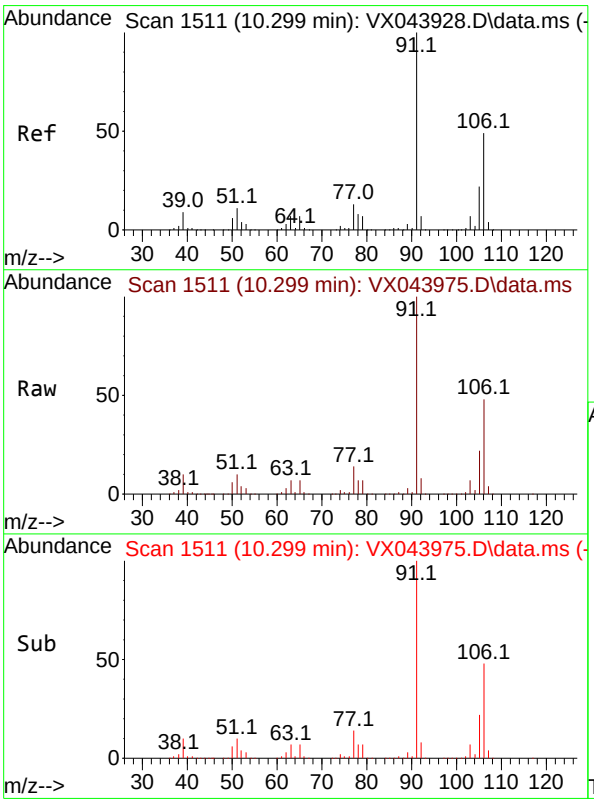

#67
Ethyl Benzene
Concen: 48.699 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 341272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.6 | 23.6 | 35.4 |

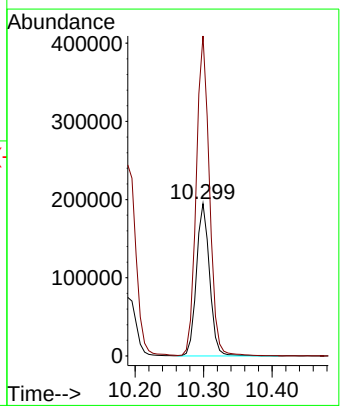


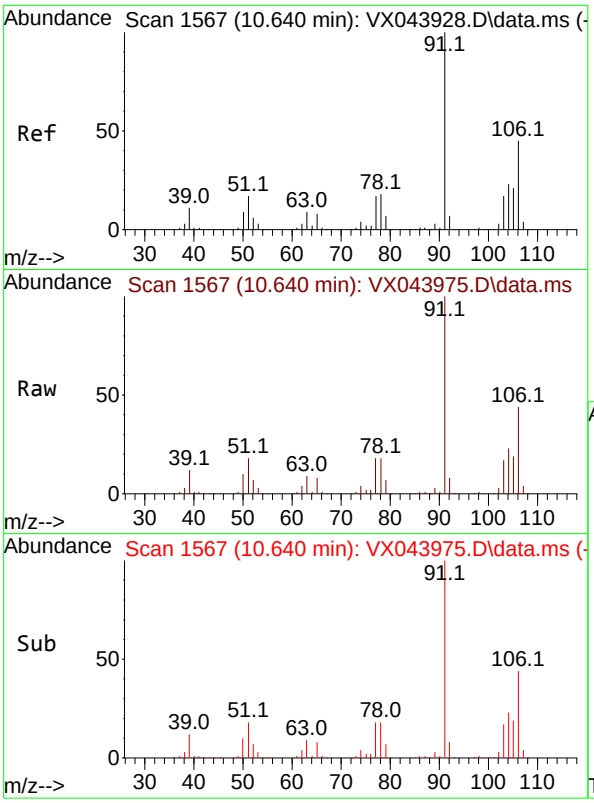




#68
m/p-Xylenes
Concen: 99.287 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:106 Resp: 259471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.5 | 168.1 | 252.1 |



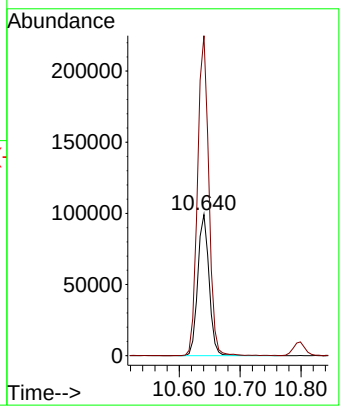


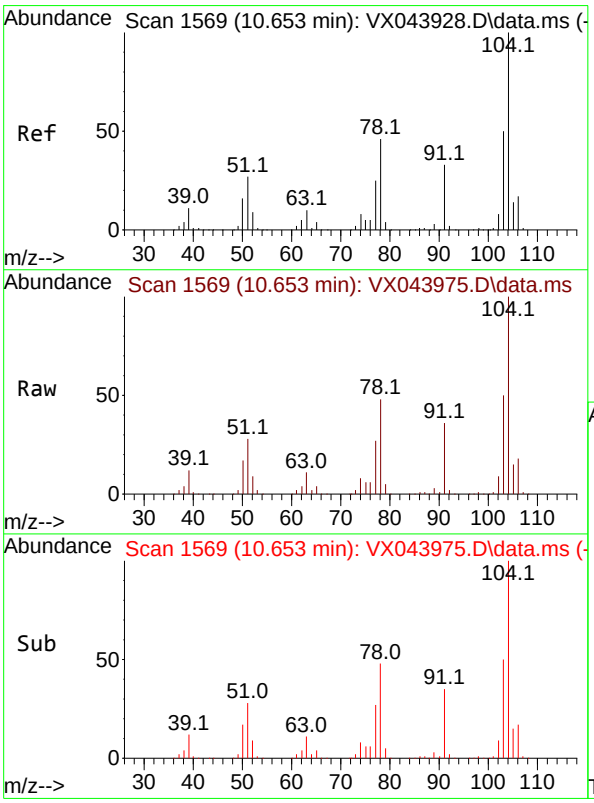

#69
o-Xylene
Concen: 49.924 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 127383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.5 | 110.2 | 330.6 |

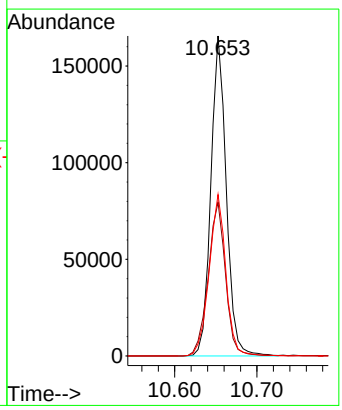


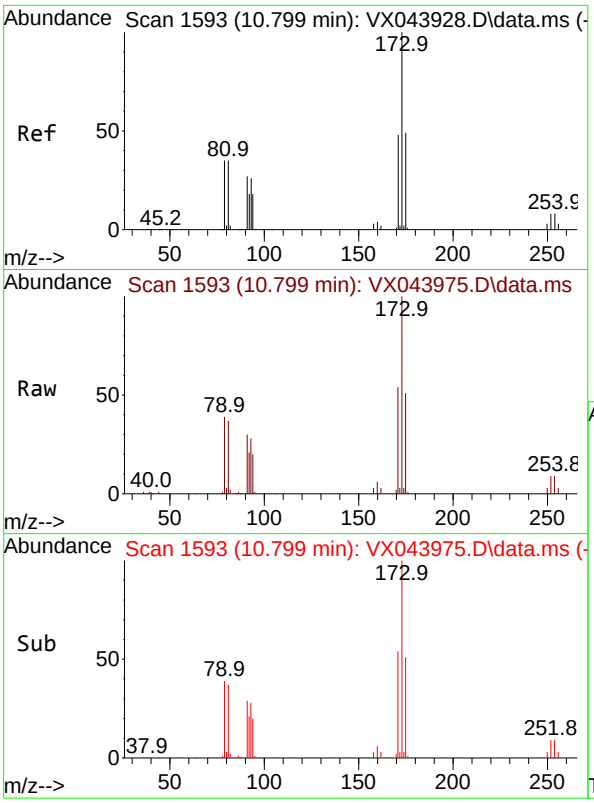




#70
Styrene
Concen: 51.134 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:104 Resp: 215795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.0 | 42.2 | 63.2 |
| 103 | 54.8 | 44.7 | 67.1 |



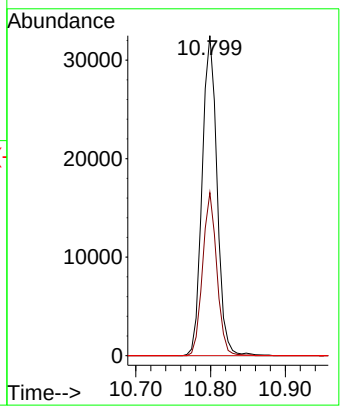


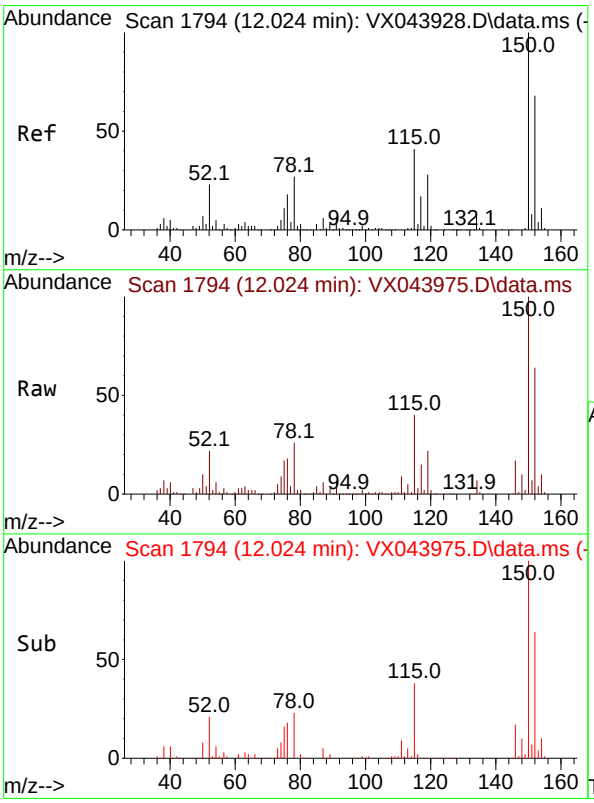

#71
Bromoform
Concen: 44.579 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 45026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.1 | 72.2 |
| 254 | 0.0 | 0.0 | 0.0 |

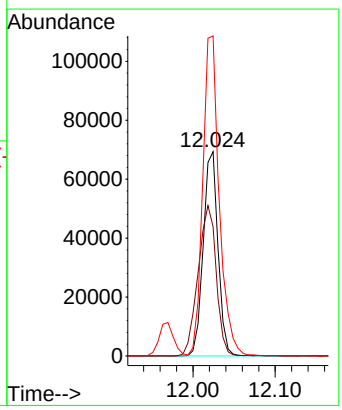


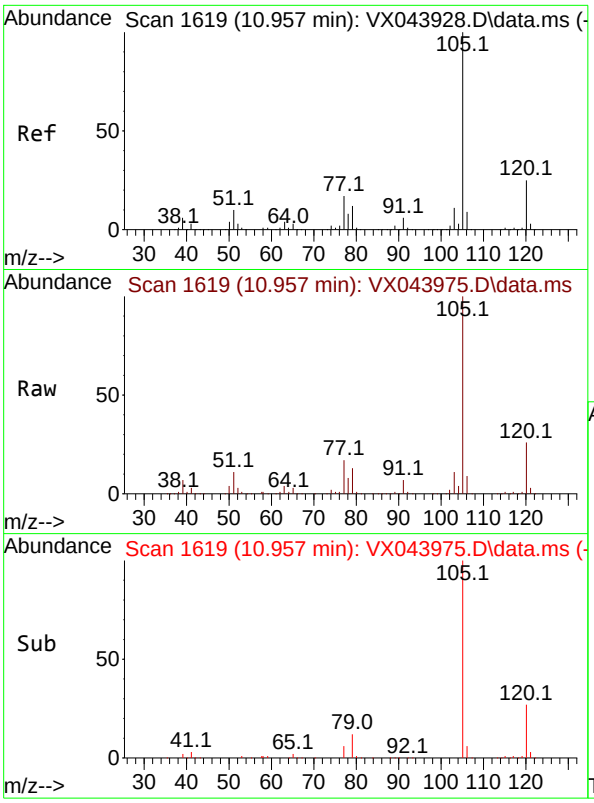




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:152 Resp: 86425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 90.5 | 45.4 | 136.2 |
| 150 | 174.4 | 0.0 | 353.0 |



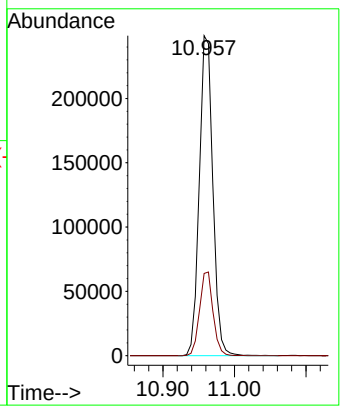


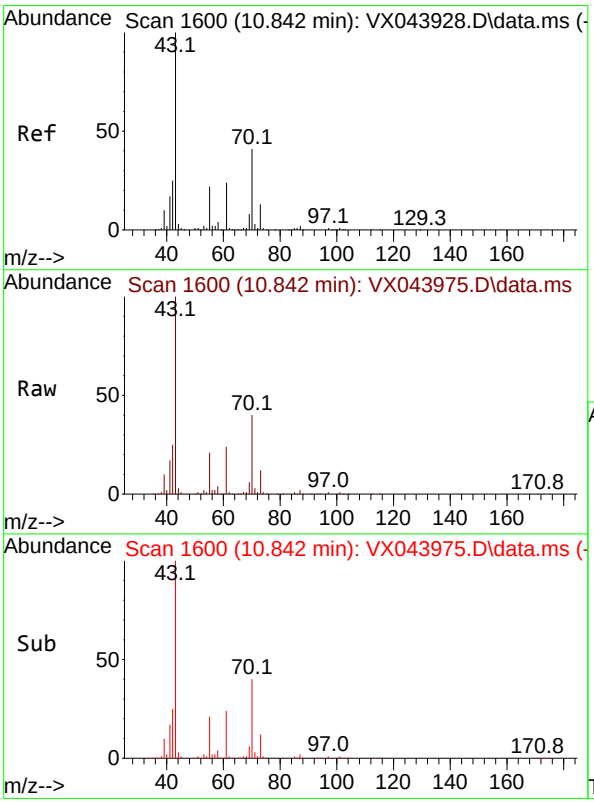

#73
Isopropylbenzene
Concen: 49.244 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 327150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 13.0 | 38.9 |

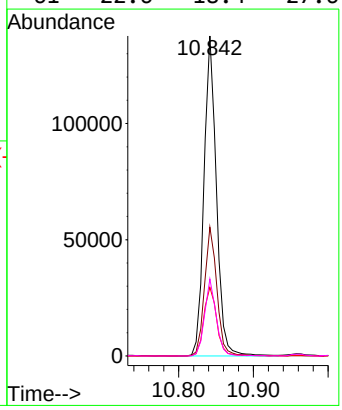


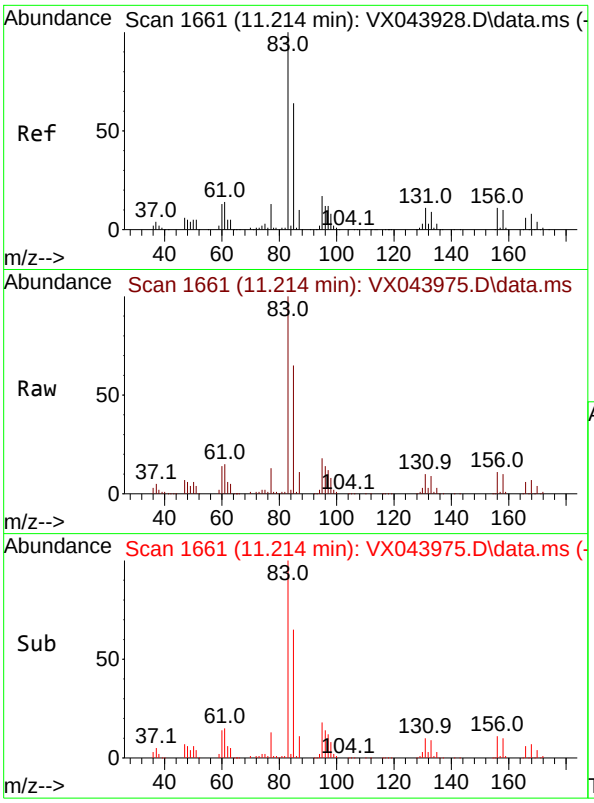




#74
N-amyl acetate
Concen: 51.633 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.2 | 48.2 |
| 55 | 22.5 | 18.1 | 27.1 |
| 61 | 22.6 | 18.4 | 27.6 |



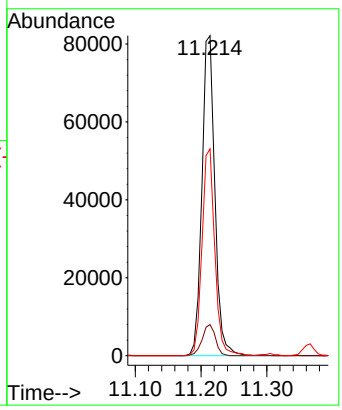


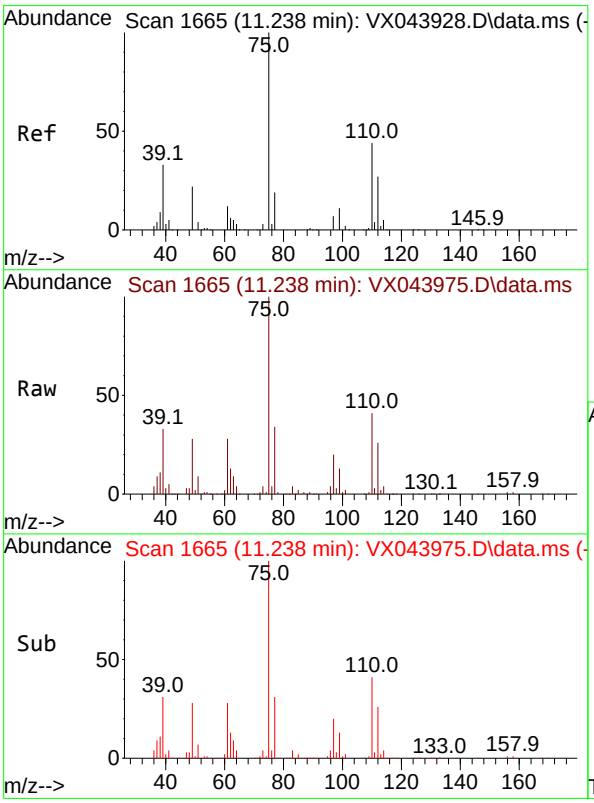

#75
1,1,2,2-Tetrachloroethane
Concen: 49.312 ug/l
RT: 11.214 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 112173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.1 | 15.2 |
| 85 | 63.9 | 32.2 | 96.6 |

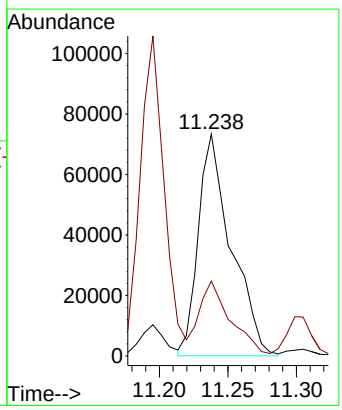


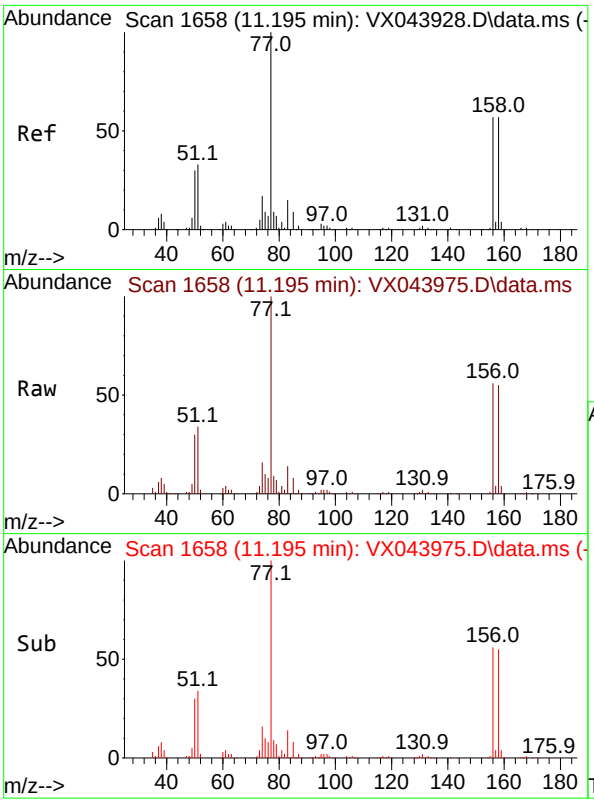




#76
1,2,3-Trichloropropane
Concen: 64.696 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 122618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 21.8 | 65.3 |



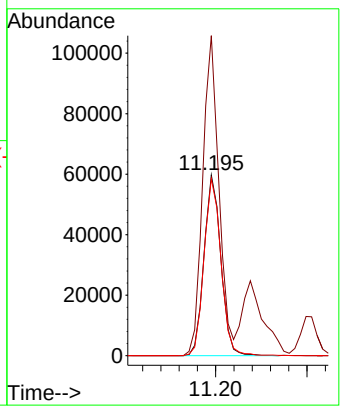


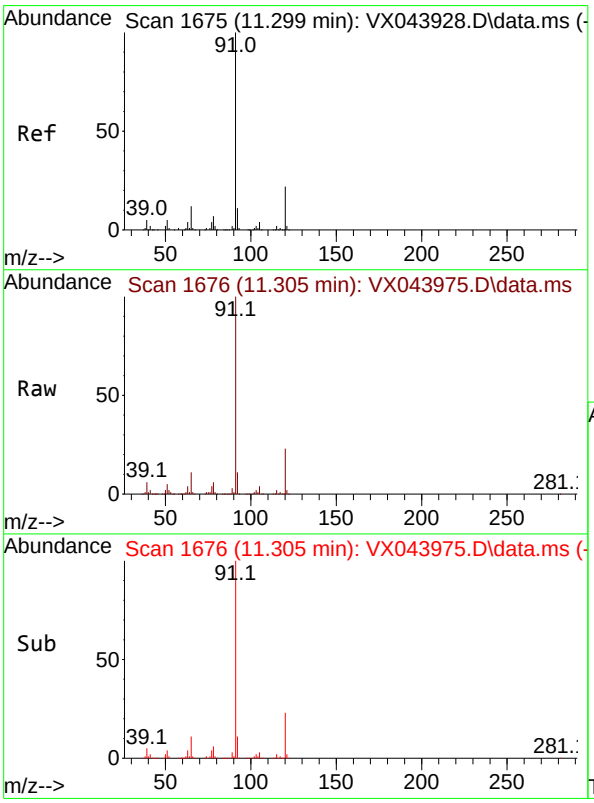

#77
Bromobenzene
Concen: 47.990 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 76053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.8 | 83.4 | 250.1 |
| 158 | 99.1 | 47.6 | 142.8 |

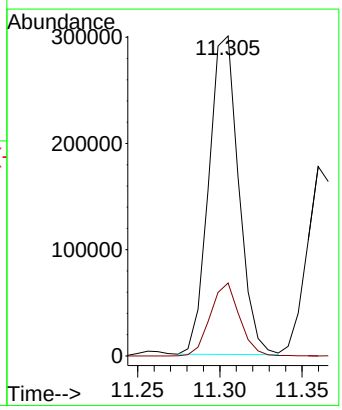


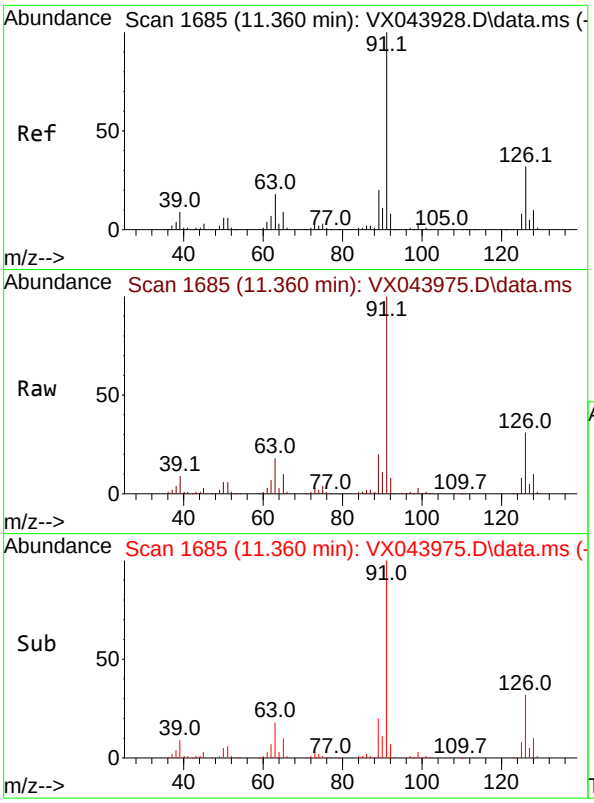




#78
n-propylbenzene
Concen: 51.172 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 379686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.5 | 34.4 |



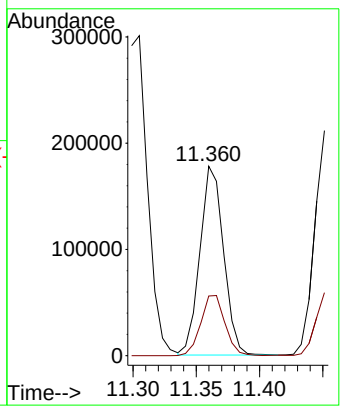


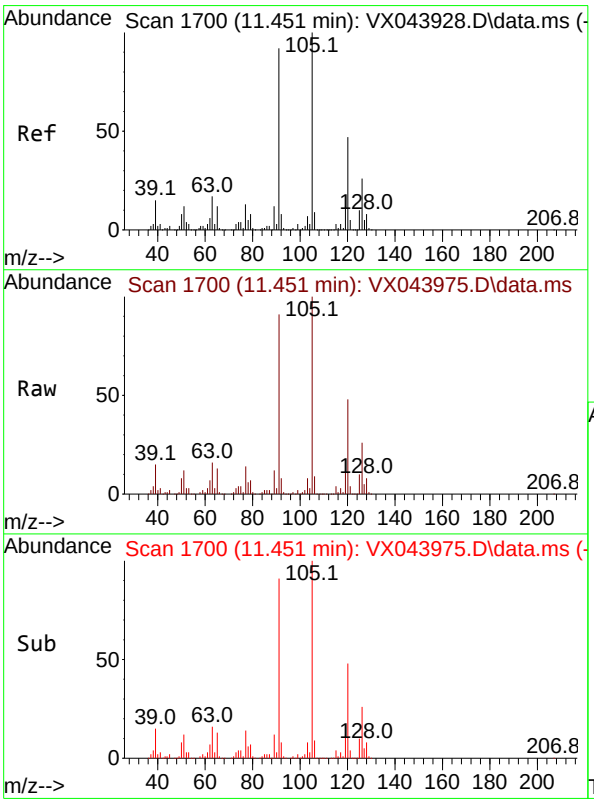

#79
2-Chlorotoluene
Concen: 49.328 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 231439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.8 | 16.6 | 49.8 |

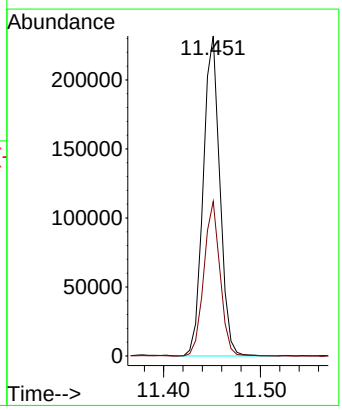


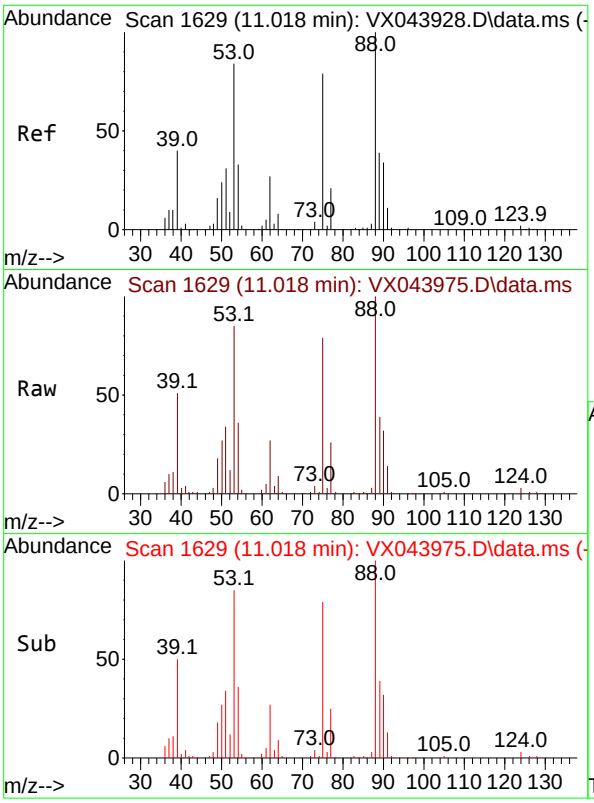




#80
1,3,5-Trimethylbenzene
Concen: 50.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.3 | 69.8 |



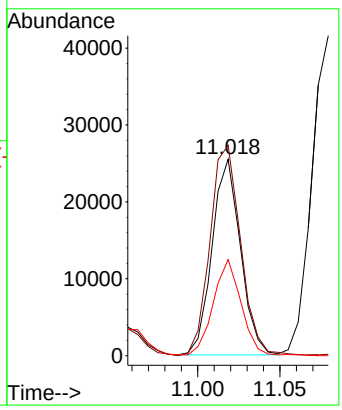


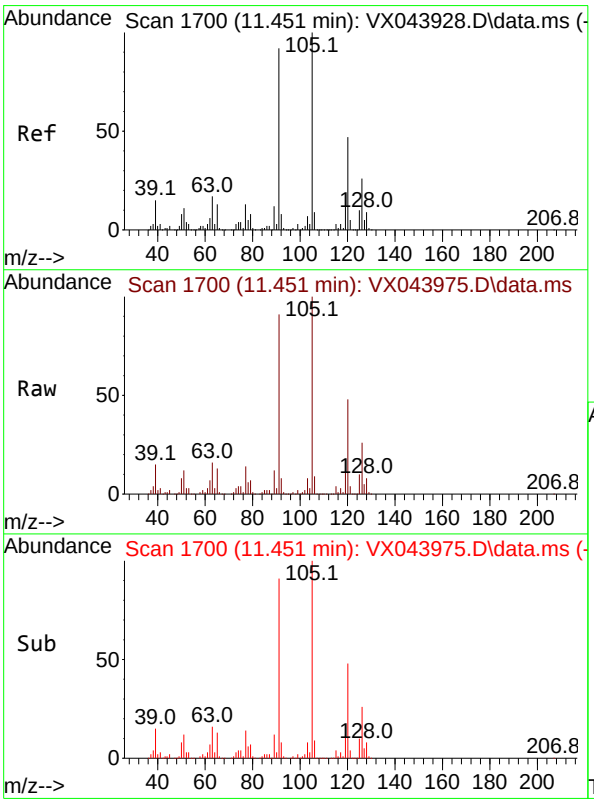

#81
trans-1,4-Dichloro-2-butene
Concen: 44.087 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 30621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 116.2 | 86.7 | 130.1 |
| 89 | 48.4 | 38.2 | 57.2 |

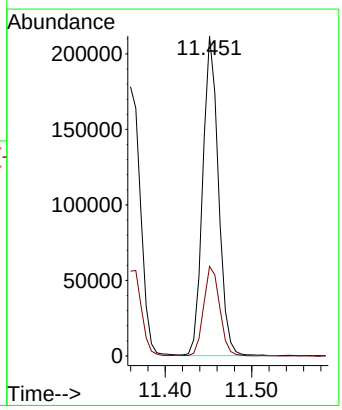


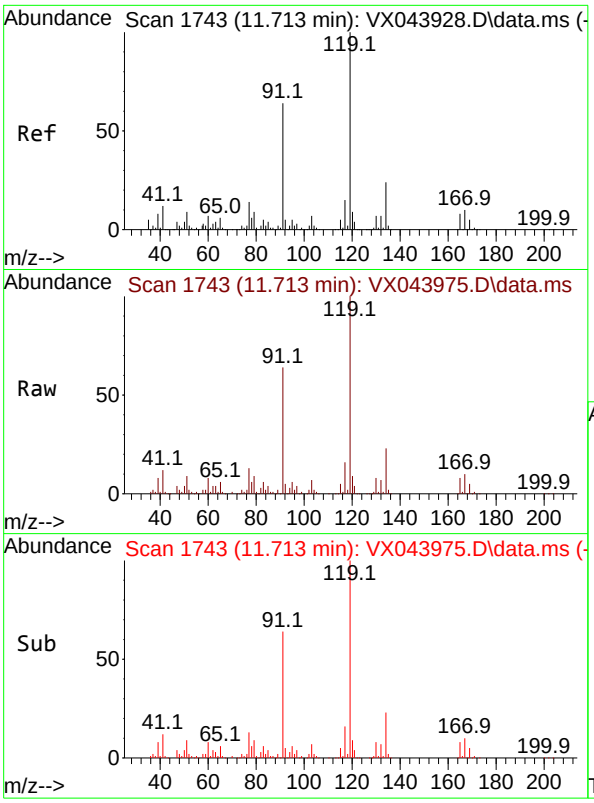




#82
4-Chlorotoluene
Concen: 50.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.3 | 42.9 |



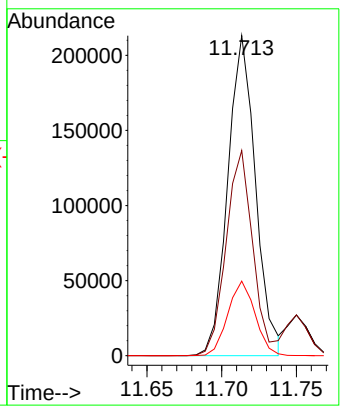


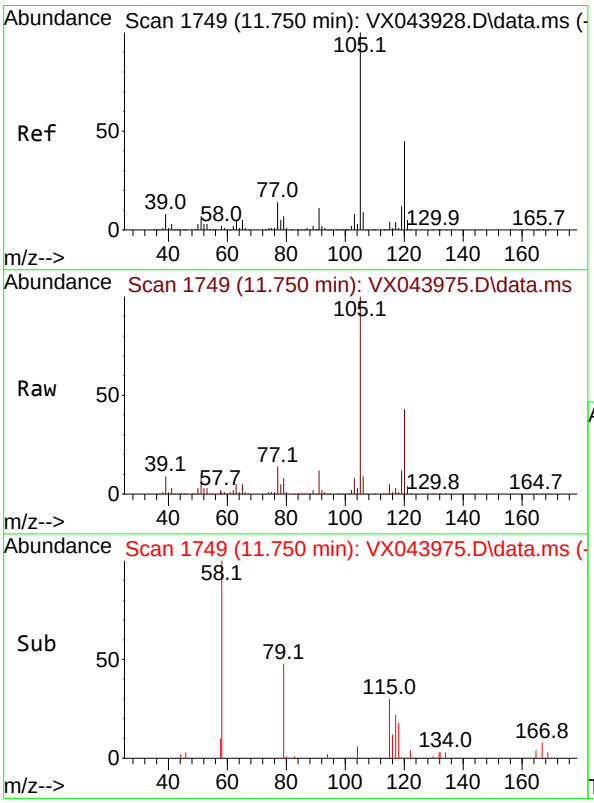

#83
tert-Butylbenzene
Concen: 50.777 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 275078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 62.3 | 31.0 | 93.0 |
| 134 | 22.9 | 11.6 | 34.8 |

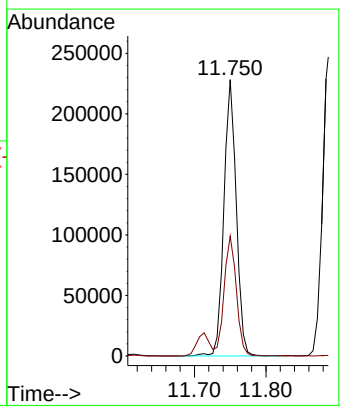


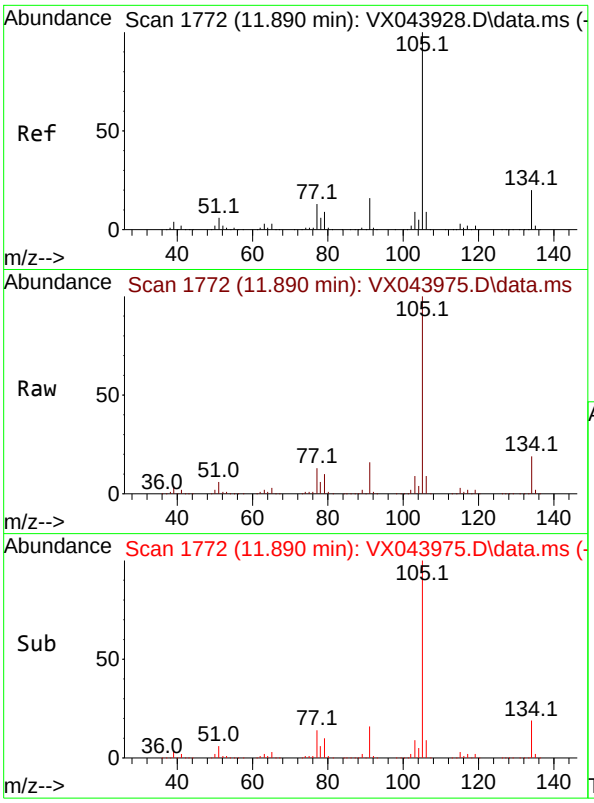




#84
1,2,4-Trimethylbenzene
Concen: 50.446 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 274500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.0 | 21.9 | 65.7 |



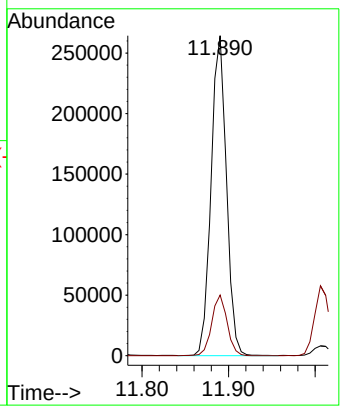


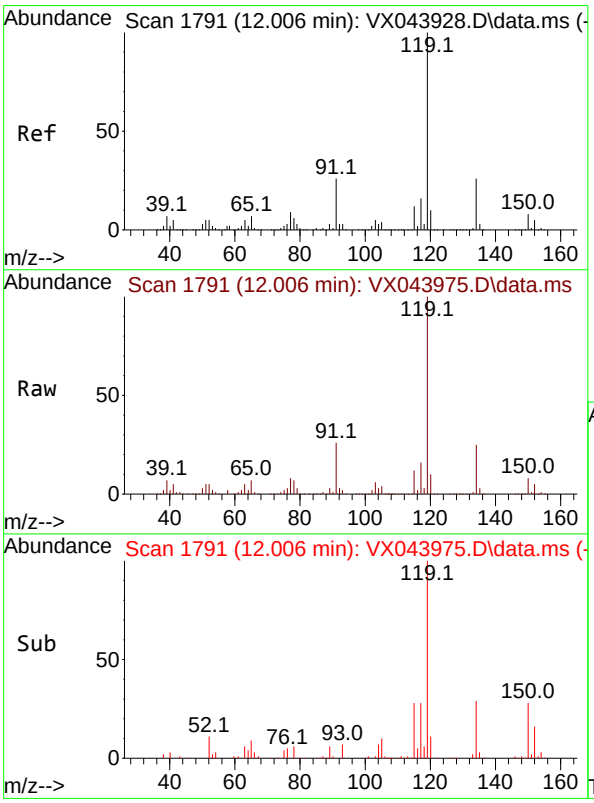

#85
sec-Butylbenzene
Concen: 49.060 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 325633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 18.9 | 9.7 | 29.1 |

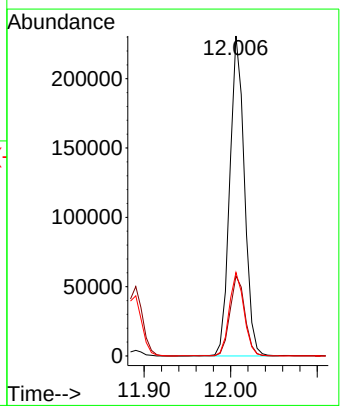


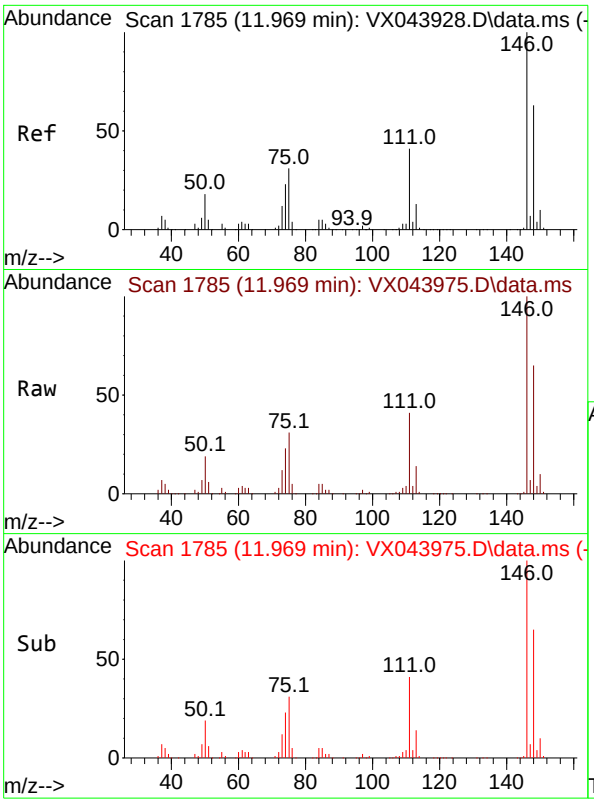




#86
p-Isopropyltoluene
Concen: 50.312 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:119 Resp: 271259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 13.0 | 38.9 |
| 91 | 26.3 | 13.0 | 38.9 |



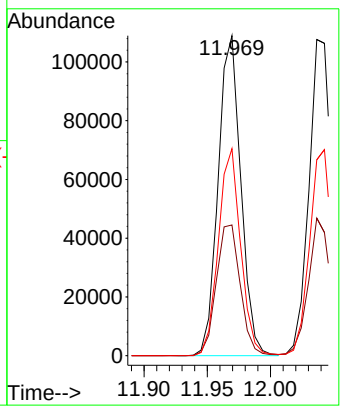


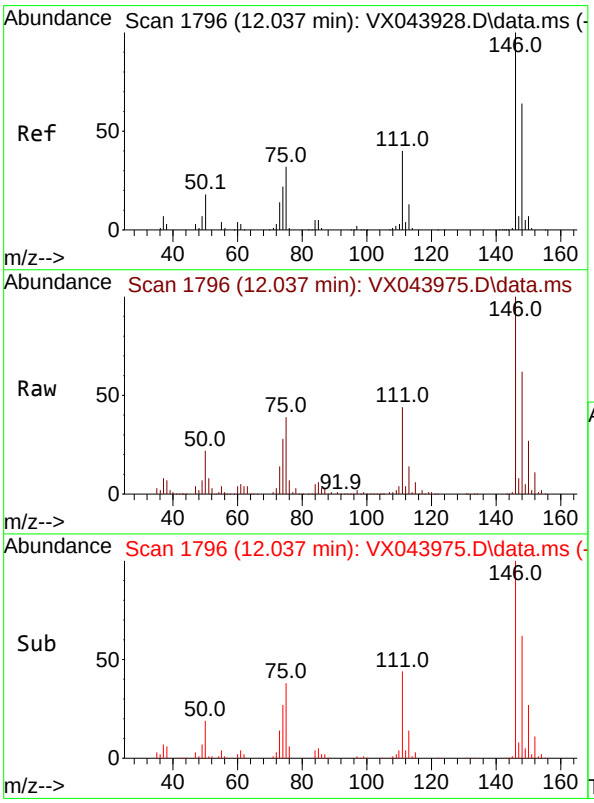

#87
1,3-Dichlorobenzene
Concen: 47.044 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 135787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.3 | 21.1 | 63.3 |
| 148 | 63.5 | 31.7 | 95.1 |

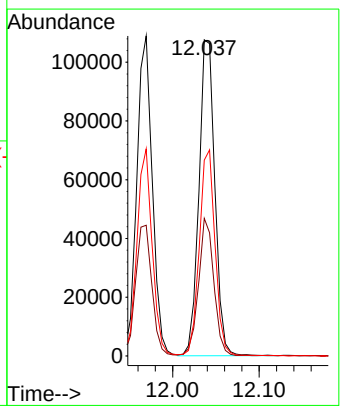


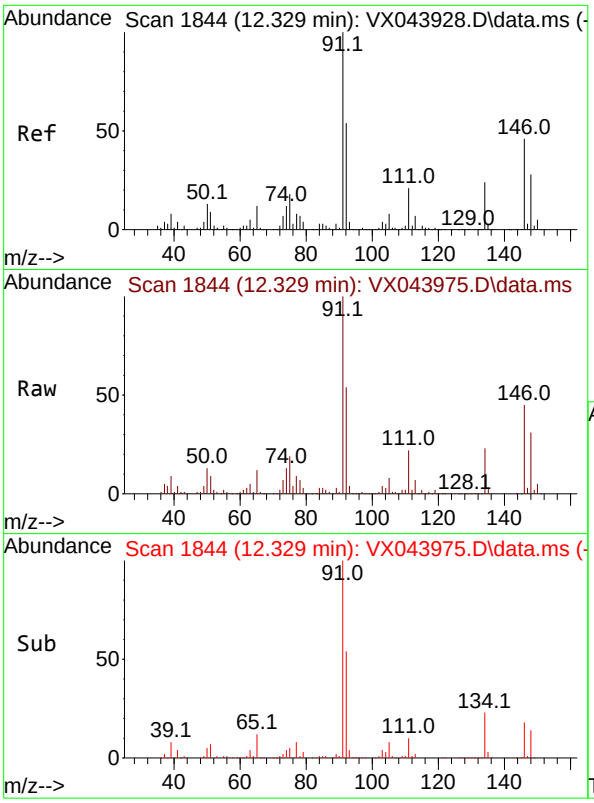




#88
1,4-Dichlorobenzene
Concen: 46.839 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:146 Resp: 137836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.8 | 20.1 | 60.3 |
| 148 | 64.8 | 30.9 | 92.8 |



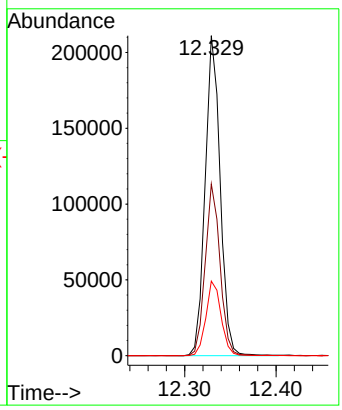


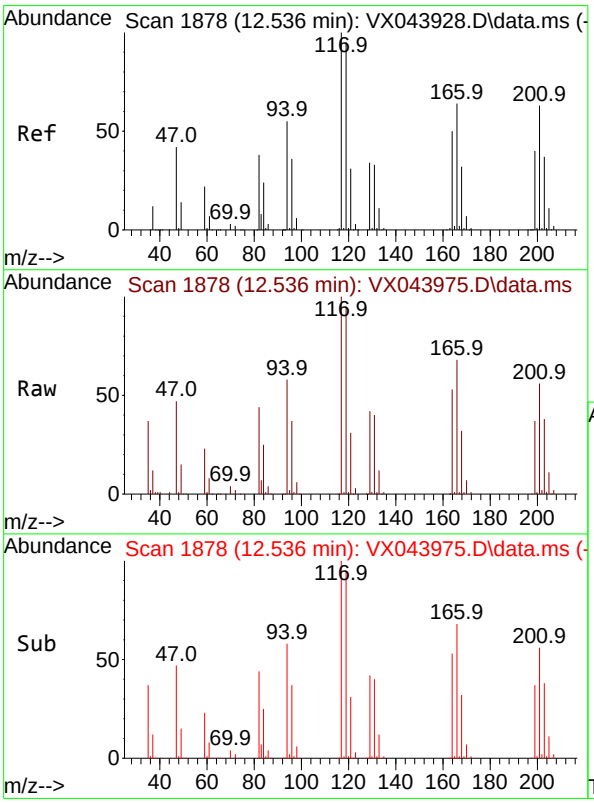

#89
n-Butylbenzene
Concen: 50.543 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 240255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.9 | 26.6 | 79.8 |
| 134 | 23.6 | 12.4 | 37.2 |

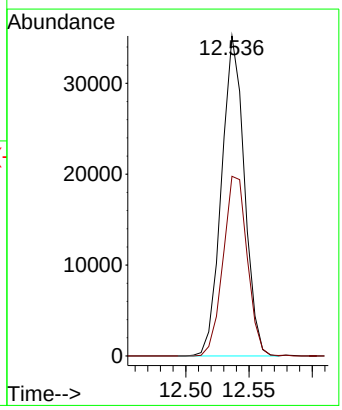


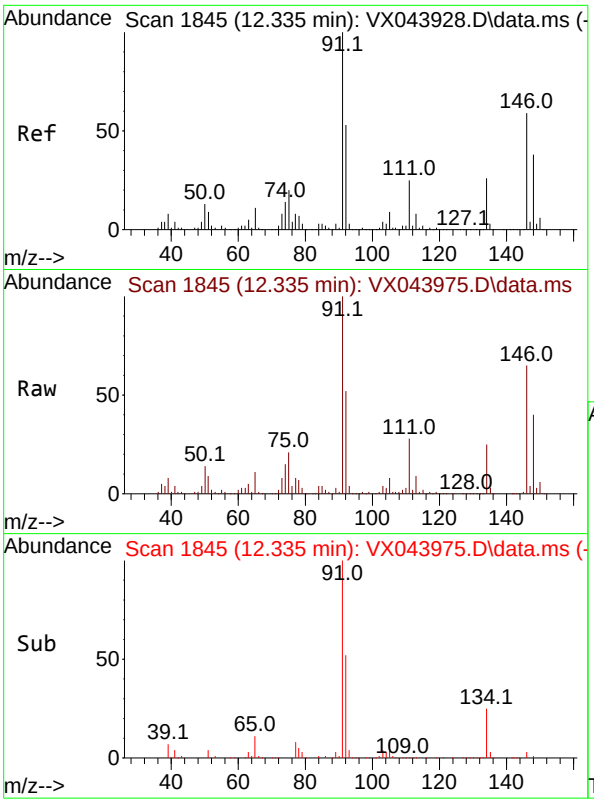




#90
Hexachloroethane
Concen: 48.179 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:117 Resp: 44170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 59.5 | 32.4 | 97.0 |



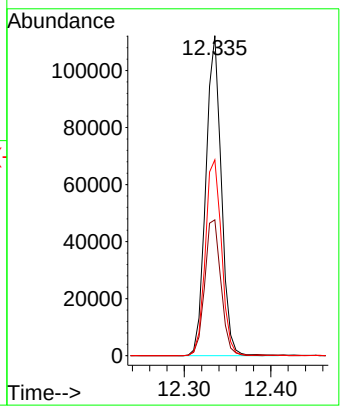


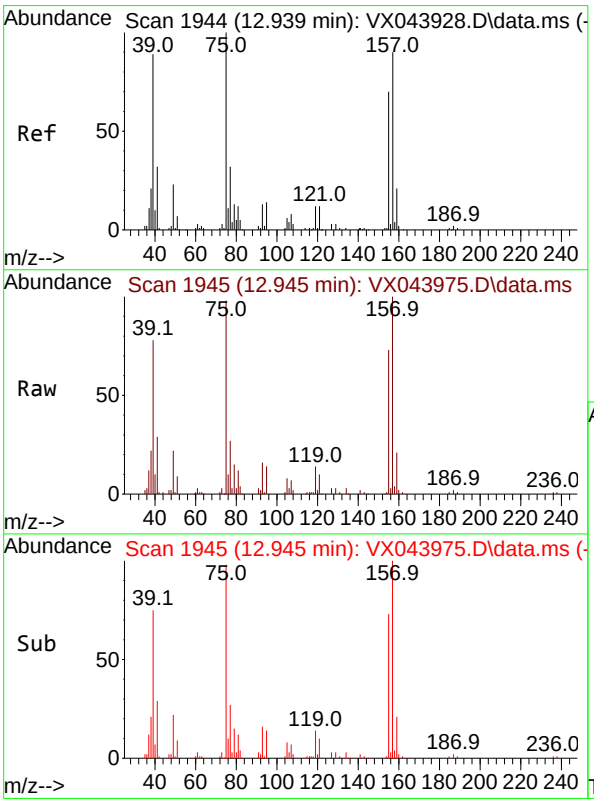

#91
1,2-Dichlorobenzene
Concen: 47.819 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 139290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 21.5 | 64.5 |
| 148 | 64.0 | 31.9 | 95.5 |

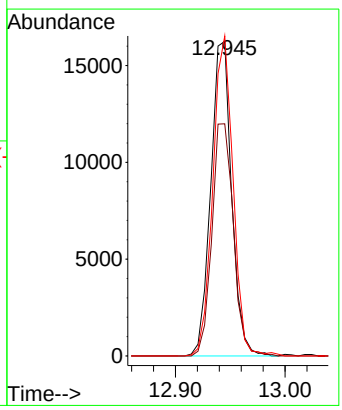


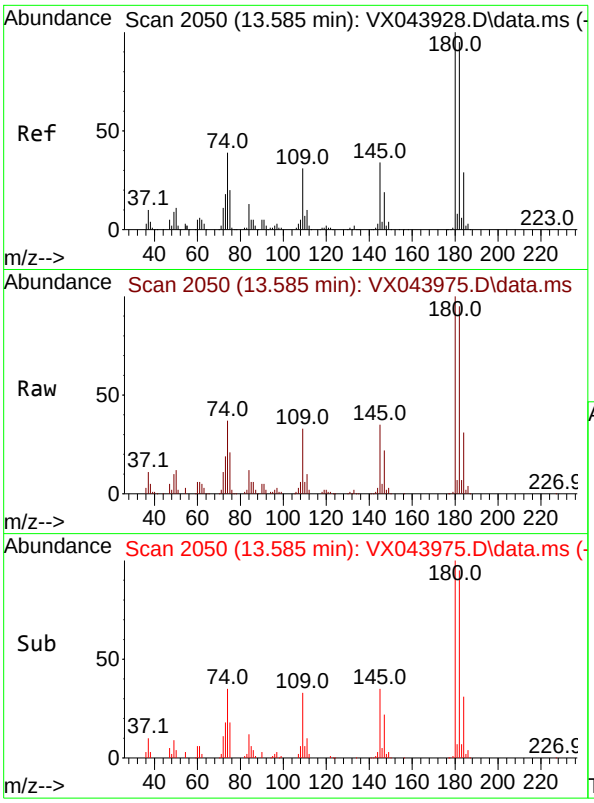




#92
1,2-Dibromo-3-Chloropropane
Concen: 47.196 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 21512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 75.7 | 40.1 | 120.2 |
| 157 | 98.5 | 49.6 | 149.0 |



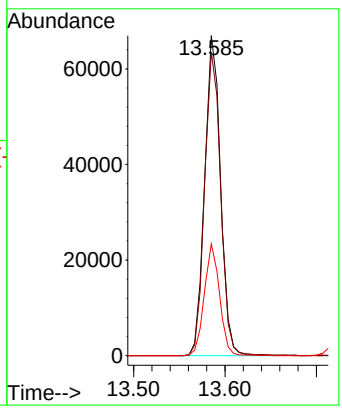


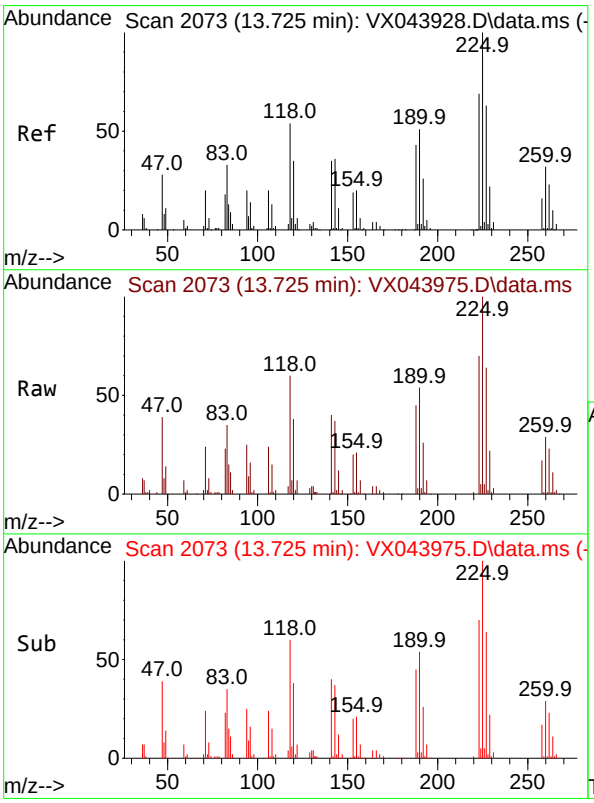

#93
1,2,4-Trichlorobenzene
Concen: 47.087 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 80863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.8 | 48.0 | 144.2 |
| 145 | 33.5 | 16.8 | 50.4 |

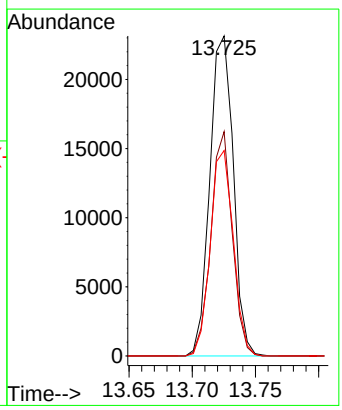


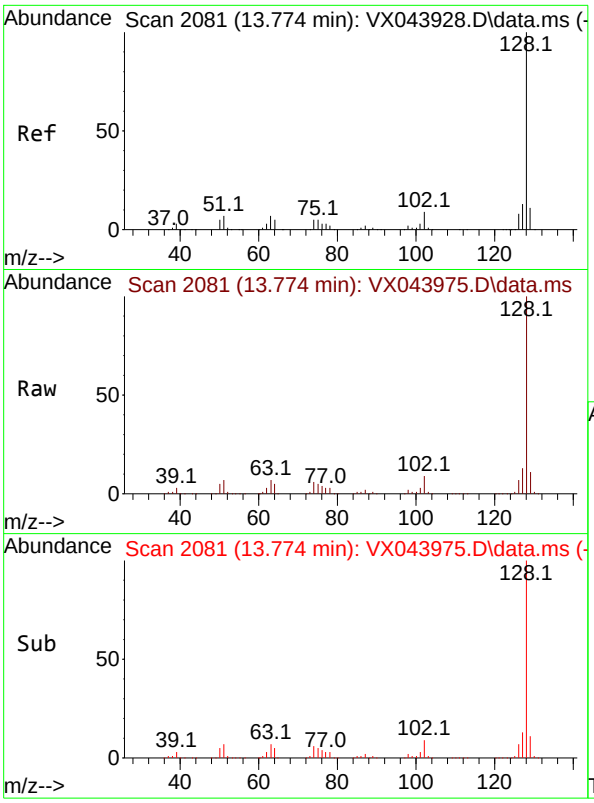




#94
Hexachlorobutadiene
Concen: 43.962 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:225 Resp: 29838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.9 | 32.9 | 98.6 |
| 227 | 63.0 | 31.6 | 94.8 |



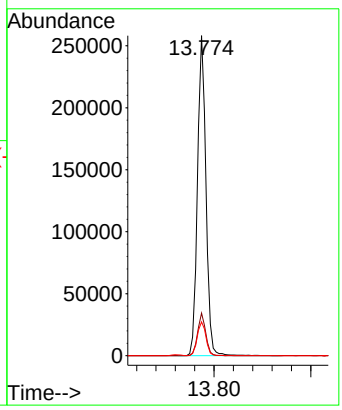


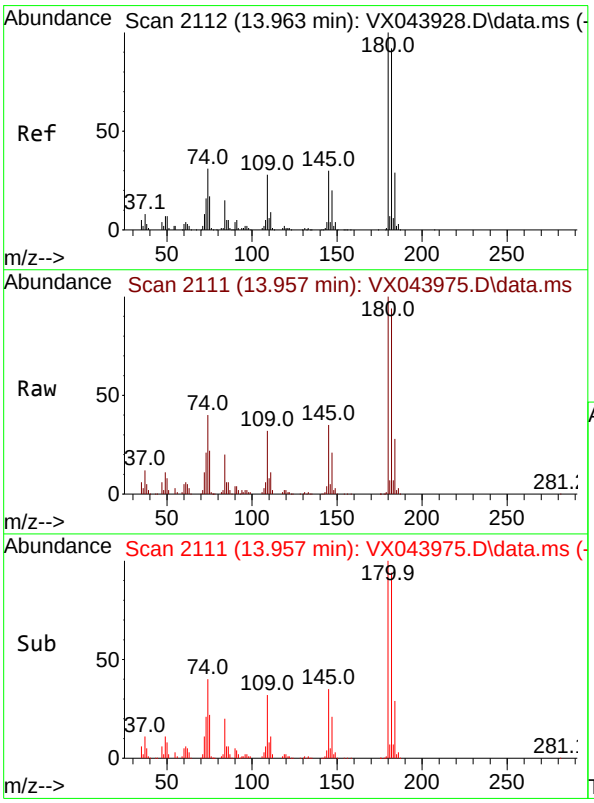

#95
Naphthalene
Concen: 50.444 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 311837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 10.8 | 8.6 | 12.8 |




#96
1,2,3-Trichlorobenzene
Concen: 50.266 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.006 min
Lab File: VX043975.D
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 45.6 | 136.8 |
| 145 | 34.8 | 16.4 | 49.4 |