284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Cover Page

**Order ID :** Q3141

**Project ID :** NWIRP Bethpage 112G08005-WE13

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

| Lab Sample Number | Client Sample Number |
|---|---|
| Q3141-01 | BP-VPB-184-TB-20250917 |
| Q3141-02 | BP-VPB-184-EB-20250918 |
| Q3141-03 | BP-VPB-184-GW-60-62 |
| Q3141-04 | BP-VPB-184-GW-100-102 |
| Q3141-05 | BP-VPB-184-GW-150-152 |
| Q3141-06 | BP-VPB-184-GW-200-202 |
| Q3141-07 | BP-VPB-184-GW-220-222 |

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: 9/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Tetra Tech NUS, Inc.**
**Project Name: NWIRP Bethpage 112G08005-WE13**
**Project Manager: Ernie Wu**
**Order ID # Q3141**
**Test Name: VOC-TCLVOA-10**

**A. Number of Samples and Date of Receipt:**
7 Water samples were received on 09/18/2025.

**B. Parameters**
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

**C. Analytical Techniques:**
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260D.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID VX047719.D met the requirements except for Bromomethane,Dichlorodifluoromethane and Vinyl Chloride failing high but no positive hit in associated samples therefore no corrective action taken.

The Continuous Calibration File ID VX047746.D met the requirements except for Dichlorodifluoromethane failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

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

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The Sample #BP-VPB-184-GW-150-152, BP-VPB-184-GW-200-202 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.

**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

ORDER ID: Q3141 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 Initial Calibration met the requirements.<br><br>The Continuous Calibration File ID VX047719.D met the requirements except for Bromomethane, Dichlorodifluoromethane and Vinyl Chloride failing high but no positive hit in associated samples therefore no corrective action taken.<br><br>The Continuous Calibration File ID VX047746.D met the requirements except for Dichlorodifluoromethane failing high but no positive hit in associated samples therefore no corrective action taken. | | | ✓ |
| 6. | Blank Contamination - If yes, list compounds and concentrations in each blank: | | ✓ | |
| 7. | Surrogate Recoveries Meet Criteria<br><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><br>If not met, list those compounds and their recoveries which fall outside the acceptable range.<br><br>The Blank Spike met requirements for all compounds.<br><br>The Blank Spike Duplicate met requirements for all compounds. | | | ✓ |
| 9. | Internal Standard Area/Retention Time Shift Meet Criteria<br><br>Comments: | | | ✓ |
| 10. | Analysis Holding Time Met<br><br>If not met, list number of days exceeded for each sample: | | | ✓ |

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

NA NO YES

ADDITIONAL COMMENTS:

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

The Sample #BP-VPB-184-GW-150-152, BP-VPB-184-GW-200-202 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.

_____ _____

QA REVIEW Date

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q3141**

| | 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:** **09/30/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3141 | **OrderDate:** | 9/18/2025 3:41:00 PM |
| **Client:** | Tetra Tech NUS, Inc. | **Project:** | NWIRP Bethpage 112G08005-WE13 |
| **Contact:** | Ernie Wu | **Location:** | J11,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3141-01** | **BP-VPB-184-TB-20250917** | **Water** | | | **09/17/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/23/25 | |
| **Q3141-02** | **BP-VPB-184-EB-20250918** | **Water** | | | **09/18/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/24/25 | |
| **Q3141-03** | **BP-VPB-184-GW-60-62** | **Water** | | | **09/17/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/23/25 | |
| **Q3141-04** | **BP-VPB-184-GW-100-102** | **Water** | | | **09/17/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/24/25 | |
| **Q3141-05** | **BP-VPB-184-GW-150-152** | **Water** | | | **09/18/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/23/25 | |
| **Q3141-06** | **BP-VPB-184-GW-200-202** | **Water** | | | **09/18/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/23/25 | |
| **Q3141-07** | **BP-VPB-184-GW-220-222** | **Water** | | | **09/18/25** | | | **09/18/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 09/23/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3141

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **BP-VPB-184-EB-20250918** | | | | | | | | |
| Q3141-02 | BP-VPB-184-EB-20 | Water | Acetone | 64.5 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q3141-02 | BP-VPB-184-EB-20 | Water | 2-Butanone | 7.80 | | 0.98 | 2.50 | 5.00 | ug/L |
| | | | **Total Voc :** | 72.3 | | | | | |
| | | | **Total Concentration:** | 72.3 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-60-62** | | | | | | | | |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Chloromethane | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Acetone | 10.6 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | 2-Butanone | 2.90 | J | 0.98 | 2.50 | 5.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Chloroform | 1.60 | | 0.25 | 0.50 | 1.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Benzene | 0.76 | J | 0.15 | 0.50 | 1.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Toluene | 0.39 | J | 0.14 | 0.50 | 1.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Dibromochloromethane | 0.36 | J | 0.18 | 0.50 | 1.00 | ug/L |
| Q3141-03 | BP-VPB-184-GW-6 | Water | Chlorobenzene | 0.28 | J | 0.12 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 17.2 | | | | | |
| | | | **Total Concentration:** | 17.2 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-100-102** | | | | | | | | |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Acetone | 10.9 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Chloroform | 0.67 | J | 0.25 | 0.50 | 1.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Trichloroethene | 0.94 | J | 0.090 | 0.75 | 1.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Bromodichloromethane | 0.35 | J | 0.22 | 0.50 | 1.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Toluene | 0.34 | J | 0.14 | 0.50 | 1.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Dibromochloromethane | 0.45 | J | 0.18 | 0.50 | 1.00 | ug/L |
| Q3141-04 | BP-VPB-184-GW-1 | Water | Tetrachloroethene | 0.26 | J | 0.23 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 13.9 | | | | | |
| | | | **Total Concentration:** | 13.9 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-150-152** | | | | | | | | |
| Q3141-05 | BP-VPB-184-GW-1 | Water | Acetone | 6.40 | | 1.50 | 3.80 | 5.00 | ug/L |
| Q3141-05 | BP-VPB-184-GW-1 | Water | Carbon Disulfide | 0.37 | J | 0.21 | 0.75 | 1.00 | ug/L |
| Q3141-05 | BP-VPB-184-GW-1 | Water | Benzene | 0.60 | J | 0.15 | 0.50 | 1.00 | ug/L |
| | | | **Total Voc :** | 7.37 | | | | | |
| | | | **Total Concentration:** | 7.37 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-200-202** | | | | | | | | |
| Q3141-06 | BP-VPB-184-GW-2 | Water | Acetone | 10.1 | | 1.50 | 3.80 | 5.00 | ug/L |
| | | | **Total Voc :** | 10.1 | | | | | |
| | | | **Total Concentration:** | 10.1 | | | | | |
| **Client ID:** | **BP-VPB-184-GW-220-222** | | | | | | | | |
| Q3141-07 | BP-VPB-184-GW-2 | Water | Chloromethane | 0.36 | J | 0.32 | 0.50 | 1.00 | ug/L |
| Q3141-07 | BP-VPB-184-GW-2 | Water | Acetone | 7.80 | | 1.50 | 3.80 | 5.00 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3141

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

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | LOD | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| | | | **Total Voc :** | 8.16 | | | | | |
| | | | **Total Concentration:** | 8.16 | | | | | |

# QC
# SUMMARY

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# Surrogate Summary

**SDG No.:** Q3141

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

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | High |
|---|---|---|---|---|---|---|---|---|
| Q3141-01 | BP-VPB-184-TB-20250917 | 1,2-Dichloroethane-d4 | 50 | 47.5 | 95 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.4 | 93 | | 80 | 119 |
| | | Toluene-d8 | 50 | 47.5 | 95 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.1 | 104 | | 85 | 114 |
| Q3141-02 | BP-VPB-184-EB-20250918 | 1,2-Dichloroethane-d4 | 50 | 53.0 | 106 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | | 80 | 119 |
| | | Toluene-d8 | 50 | 49.5 | 99 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 50.8 | 102 | | 85 | 114 |
| Q3141-03 | BP-VPB-184-GW-60-62 | 1,2-Dichloroethane-d4 | 50 | 52.5 | 105 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | | 80 | 119 |
| | | Toluene-d8 | 50 | 48.3 | 97 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 55.6 | 111 | | 85 | 114 |
| Q3141-04 | BP-VPB-184-GW-100-102 | 1,2-Dichloroethane-d4 | 50 | 56.9 | 114 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 56.6 | 113 | | 80 | 119 |
| | | Toluene-d8 | 50 | 55.0 | 110 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 56.3 | 112 | | 85 | 114 |
| Q3141-05 | BP-VPB-184-GW-150-152 | 1,2-Dichloroethane-d4 | 50 | 50.8 | 102 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.4 | 97 | | 80 | 119 |
| | | Toluene-d8 | 50 | 48.7 | 97 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.6 | 109 | | 85 | 114 |
| Q3141-06 | BP-VPB-184-GW-200-202 | 1,2-Dichloroethane-d4 | 50 | 52.0 | 104 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 48.4 | 97 | | 80 | 119 |
| | | Toluene-d8 | 50 | 49.3 | 99 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.5 | 109 | | 85 | 114 |
| Q3141-07 | BP-VPB-184-GW-220-222 | 1,2-Dichloroethane-d4 | 50 | 50.7 | 101 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.8 | 96 | | 80 | 119 |
| | | Toluene-d8 | 50 | 47.7 | 95 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 54.0 | 108 | | 85 | 114 |
| VX0923WBL01 | VX0923WBL01 | 1,2-Dichloroethane-d4 | 50 | 50.6 | 101 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 47.7 | 95 | | 80 | 119 |
| | | Toluene-d8 | 50 | 48.0 | 96 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 56.5 | 113 | | 85 | 114 |
| VX0923WBL02 | VX0923WBL02 | 1,2-Dichloroethane-d4 | 50 | 51.7 | 103 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.8 | 102 | | 80 | 119 |
| | | Toluene-d8 | 50 | 50.2 | 100 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.8 | 103 | | 85 | 114 |
| VX0923WBS02 | VX0923WBS02 | 1,2-Dichloroethane-d4 | 50 | 45.0 | 90 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 46.1 | 92 | | 80 | 119 |
| | | Toluene-d8 | 50 | 46.4 | 93 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 46.8 | 94 | | 85 | 114 |
| VX0923WBS03 | VX0923WBS03 | 1,2-Dichloroethane-d4 | 50 | 49.0 | 98 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 50.7 | 101 | | 80 | 119 |
| | | Toluene-d8 | 50 | 50.6 | 101 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 51.1 | 102 | | 85 | 114 |
| VX0923WBSD0 | VX0923WBSD03 | 1,2-Dichloroethane-d4 | 50 | 50.4 | 101 | | 81 | 118 |
| | | Dibromofluoromethane | 50 | 51.3 | 103 | | 80 | 119 |
| | | Toluene-d8 | 50 | 52.1 | 104 | | 89 | 112 |
| | | 4-Bromofluorobenzene | 50 | 52.1 | 104 | | 85 | 114 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3141 **Analytical Method:** SW8260-Low

**Client:** Tetra Tech NUS, Inc. **Datafile :** VX047723.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0923WBS02 | Dichlorodifluoromethane | 20 | 19.2 | ug/L | 96 | | | 32 | 152 | |
| | Chloromethane | 20 | 17.6 | ug/L | 88 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 17.4 | ug/L | 87 | | | 58 | 137 | |
| | Bromomethane | 20 | 18.5 | ug/L | 93 | | | 53 | 141 | |
| | Chloroethane | 20 | 16.5 | ug/L | 83 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 16.6 | ug/L | 83 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.1 | ug/L | 86 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 16.7 | ug/L | 84 | | | 71 | 131 | |
| | Acetone | 100 | 71.7 | ug/L | 72 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 17.2 | ug/L | 86 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 16.3 | ug/L | 81 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 16.6 | ug/L | 83 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 16.4 | ug/L | 82 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 17.0 | ug/L | 85 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 16.5 | ug/L | 83 | | | 77 | 125 | |
| | Cyclohexane | 20 | 16.7 | ug/L | 84 | | | 71 | 130 | |
| | 2-Butanone | 100 | 78.7 | ug/L | 79 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 15.9 | ug/L | 79 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 16.2 | ug/L | 81 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 16.8 | ug/L | 84 | | | 78 | 123 | |
| | Chloroform | 20 | 16.6 | ug/L | 83 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 16.4 | ug/L | 82 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 17.3 | ug/L | 86 | | | 72 | 132 | |
| | Benzene | 20 | 16.7 | ug/L | 84 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 16.5 | ug/L | 83 | | | 73 | 128 | |
| | Trichloroethene | 20 | 17.5 | ug/L | 88 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 16.8 | ug/L | 84 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 16.6 | ug/L | 83 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 86.0 | ug/L | 86 | | | 67 | 130 | |
| | Toluene | 20 | 16.9 | ug/L | 85 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 16.3 | ug/L | 81 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 16.8 | ug/L | 84 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 17.2 | ug/L | 86 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 83.0 | ug/L | 83 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 17.2 | ug/L | 86 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 17.4 | ug/L | 87 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 17.1 | ug/L | 86 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 16.7 | ug/L | 84 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 16.7 | ug/L | 84 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 33.9 | ug/L | 85 | | | 80 | 121 | |
| | o-Xylene | 20 | 16.9 | ug/L | 85 | | | 78 | 122 | |
| | Styrene | 20 | 16.6 | ug/L | 83 | | | 78 | 123 | |
| | Bromoform | 20 | 16.6 | ug/L | 83 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 16.4 | ug/L | 82 | | | 72 | 131 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 16.6 | ug/L | 83 | | | 71 | 121 | |
| | 1,3-Dichlorobenzene | 20 | 16.9 | ug/L | 85 | | | 80 | 119 | |
| | 1,4-Dichlorobenzene | 20 | 16.6 | ug/L | 83 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 16.7 | ug/L | 84 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3141** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX047723.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX0923WBS02** | 1,2-Dibromo-3-Chloropropane | 20 | 15.2 | ug/L | 76 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 16.2 | ug/L | 81 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 16.4 | ug/L | 82 | | | 69 | 129 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3141** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX047748.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX0923WBS03** | Dichlorodifluoromethane | 20 | 23.6 | ug/L | 118 | | | 32 | 152 | |
| | Chloromethane | 20 | 21.7 | ug/L | 109 | | | 50 | 139 | |
| | Vinyl chloride | 20 | 22.4 | ug/L | 112 | | | 58 | 137 | |
| | Bromomethane | 20 | 23.5 | ug/L | 117 | | | 53 | 141 | |
| | Chloroethane | 20 | 21.0 | ug/L | 105 | | | 60 | 138 | |
| | Trichlorofluoromethane | 20 | 20.9 | ug/L | 104 | | | 65 | 141 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 21.0 | ug/L | 105 | | | 70 | 136 | |
| | 1,1-Dichloroethene | 20 | 21.2 | ug/L | 106 | | | 71 | 131 | |
| | Acetone | 100 | 87.7 | ug/L | 88 | | | 39 | 160 | |
| | Carbon disulfide | 20 | 20.9 | ug/L | 104 | | | 64 | 133 | |
| | Methyl tert-butyl Ether | 20 | 20.6 | ug/L | 103 | | | 71 | 124 | |
| | Methyl Acetate | 20 | 22.4 | ug/L | 112 | | | 56 | 136 | |
| | Methylene Chloride | 20 | 20.7 | ug/L | 104 | | | 74 | 124 | |
| | trans-1,2-Dichloroethene | 20 | 21.4 | ug/L | 107 | | | 75 | 124 | |
| | 1,1-Dichloroethane | 20 | 21.0 | ug/L | 105 | | | 77 | 125 | |
| | Cyclohexane | 20 | 20.9 | ug/L | 104 | | | 71 | 130 | |
| | 2-Butanone | 100 | 110 | ug/L | 110 | | | 56 | 143 | |
| | Carbon Tetrachloride | 20 | 19.7 | ug/L | 99 | | | 72 | 136 | |
| | cis-1,2-Dichloroethene | 20 | 20.9 | ug/L | 104 | | | 78 | 123 | |
| | Bromochloromethane | 20 | 19.1 | ug/L | 96 | | | 78 | 123 | |
| | Chloroform | 20 | 21.3 | ug/L | 106 | | | 79 | 124 | |
| | 1,1,1-Trichloroethane | 20 | 21.2 | ug/L | 106 | | | 74 | 131 | |
| | Methylcyclohexane | 20 | 20.1 | ug/L | 101 | | | 72 | 132 | |
| | Benzene | 20 | 20.9 | ug/L | 104 | | | 79 | 120 | |
| | 1,2-Dichloroethane | 20 | 20.4 | ug/L | 102 | | | 73 | 128 | |
| | Trichloroethene | 20 | 21.3 | ug/L | 106 | | | 79 | 123 | |
| | 1,2-Dichloropropane | 20 | 21.0 | ug/L | 105 | | | 78 | 122 | |
| | Bromodichloromethane | 20 | 20.7 | ug/L | 104 | | | 79 | 125 | |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | | | 67 | 130 | |
| | Toluene | 20 | 21.1 | ug/L | 106 | | | 80 | 121 | |
| | t-1,3-Dichloropropene | 20 | 18.8 | ug/L | 94 | | | 73 | 127 | |
| | cis-1,3-Dichloropropene | 20 | 19.1 | ug/L | 96 | | | 75 | 124 | |
| | 1,1,2-Trichloroethane | 20 | 21.7 | ug/L | 109 | | | 80 | 119 | |
| | 2-Hexanone | 100 | 110 | ug/L | 110 | | | 57 | 139 | |
| | Dibromochloromethane | 20 | 21.2 | ug/L | 106 | | | 74 | 126 | |
| | 1,2-Dibromoethane | 20 | 22.0 | ug/L | 110 | | | 77 | 121 | |
| | Tetrachloroethene | 20 | 21.4 | ug/L | 107 | | | 74 | 129 | |
| | Chlorobenzene | 20 | 20.7 | ug/L | 104 | | | 82 | 118 | |
| | Ethyl Benzene | 20 | 20.8 | ug/L | 104 | | | 79 | 121 | |
| | m/p-Xylenes | 40 | 42.3 | ug/L | 106 | | | 80 | 121 | |
| | o-Xylene | 20 | 20.9 | ug/L | 104 | | | 78 | 122 | |
| | Styrene | 20 | 20.7 | ug/L | 104 | | | 78 | 123 | |
| | Bromoform | 20 | 20.9 | ug/L | 104 | | | 66 | 130 | |
| | Isopropylbenzene | 20 | 20.5 | ug/L | 103 | | | 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 | 20.5 | ug/L | 103 | | | 79 | 118 | |
| | 1,2-Dichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 80 | 119 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3141 **Analytical Method:** SW8260-Low

**Client:** Tetra Tech NUS, Inc. **Datafile :** VX047748.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX0923WBS03** | 1,2-Dibromo-3-Chloropropane | 20 | 20.4 | ug/L | 102 | | | 62 | 128 | |
| | 1,2,4-Trichlorobenzene | 20 | 19.8 | ug/L | 99 | | | 69 | 130 | |
| | 1,2,3-Trichlorobenzene | 20 | 20.7 | ug/L | 104 | | | 69 | 129 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3141** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX047749.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX0923WBSD03** | Dichlorodifluoromethane | 20 | 19.6 | ug/L | 98 | 19 | | 32 | 152 | 20 |
| | Chloromethane | 20 | 18.5 | ug/L | 93 | 16 | | 50 | 139 | 20 |
| | Vinyl chloride | 20 | 18.4 | ug/L | 92 | 20 | | 58 | 137 | 20 |
| | Bromomethane | 20 | 19.7 | ug/L | 99 | 17 | | 53 | 141 | 20 |
| | Chloroethane | 20 | 17.6 | ug/L | 88 | 18 | | 60 | 138 | 20 |
| | Trichlorofluoromethane | 20 | 17.6 | ug/L | 88 | 17 | | 65 | 141 | 20 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 17.3 | ug/L | 86 | 20 | | 70 | 136 | 20 |
| | 1,1-Dichloroethene | 20 | 18.0 | ug/L | 90 | 16 | | 71 | 131 | 20 |
| | Acetone | 100 | 75.9 | ug/L | 76 | 15 | | 39 | 160 | 20 |
| | Carbon disulfide | 20 | 18.0 | ug/L | 90 | 14 | | 64 | 133 | 20 |
| | Methyl tert-butyl Ether | 20 | 17.5 | ug/L | 88 | 16 | | 71 | 124 | 20 |
| | Methyl Acetate | 20 | 19.8 | ug/L | 99 | 12 | | 56 | 136 | 20 |
| | Methylene Chloride | 20 | 17.7 | ug/L | 89 | 16 | | 74 | 124 | 20 |
| | trans-1,2-Dichloroethene | 20 | 17.8 | ug/L | 89 | 18 | | 75 | 124 | 20 |
| | 1,1-Dichloroethane | 20 | 17.6 | ug/L | 88 | 18 | | 77 | 125 | 20 |
| | Cyclohexane | 20 | 17.4 | ug/L | 87 | 18 | | 71 | 130 | 20 |
| | 2-Butanone | 100 | 90.8 | ug/L | 91 | 19 | | 56 | 143 | 20 |
| | Carbon Tetrachloride | 20 | 16.5 | ug/L | 83 | 18 | | 72 | 136 | 20 |
| | cis-1,2-Dichloroethene | 20 | 17.9 | ug/L | 90 | 14 | | 78 | 123 | 20 |
| | Bromochloromethane | 20 | 21.7 | ug/L | 109 | 13 | | 78 | 123 | 20 |
| | Chloroform | 20 | 17.9 | ug/L | 90 | 16 | | 79 | 124 | 20 |
| | 1,1,1-Trichloroethane | 20 | 18.0 | ug/L | 90 | 16 | | 74 | 131 | 20 |
| | Methylcyclohexane | 20 | 16.6 | ug/L | 83 | 20 | | 72 | 132 | 20 |
| | Benzene | 20 | 17.7 | ug/L | 89 | 16 | | 79 | 120 | 20 |
| | 1,2-Dichloroethane | 20 | 16.8 | ug/L | 84 | 19 | | 73 | 128 | 20 |
| | Trichloroethene | 20 | 17.9 | ug/L | 90 | 16 | | 79 | 123 | 20 |
| | 1,2-Dichloropropane | 20 | 17.9 | ug/L | 90 | 15 | | 78 | 122 | 20 |
| | Bromodichloromethane | 20 | 17.5 | ug/L | 88 | 17 | | 79 | 125 | 20 |
| | 4-Methyl-2-Pentanone | 100 | 96.4 | ug/L | 96 | 14 | | 67 | 130 | 20 |
| | Toluene | 20 | 17.7 | ug/L | 89 | 17 | | 80 | 121 | 20 |
| | t-1,3-Dichloropropene | 20 | 16.0 | ug/L | 80 | 16 | | 73 | 127 | 20 |
| | cis-1,3-Dichloropropene | 20 | 16.0 | ug/L | 80 | 18 | | 75 | 124 | 20 |
| | 1,1,2-Trichloroethane | 20 | 18.2 | ug/L | 91 | 18 | | 80 | 119 | 20 |
| | 2-Hexanone | 100 | 94.0 | ug/L | 94 | 16 | | 57 | 139 | 20 |
| | Dibromochloromethane | 20 | 18.1 | ug/L | 91 | 15 | | 74 | 126 | 20 |
| | 1,2-Dibromoethane | 20 | 19.1 | ug/L | 96 | 14 | | 77 | 121 | 20 |
| | Tetrachloroethene | 20 | 18.5 | ug/L | 93 | 14 | | 74 | 129 | 20 |
| | Chlorobenzene | 20 | 17.7 | ug/L | 89 | 16 | | 82 | 118 | 20 |
| | Ethyl Benzene | 20 | 17.2 | ug/L | 86 | 19 | | 79 | 121 | 20 |
| | m/p-Xylenes | 40 | 35.3 | ug/L | 88 | 19 | | 80 | 121 | 20 |
| | o-Xylene | 20 | 17.5 | ug/L | 88 | 17 | | 78 | 122 | 20 |
| | Styrene | 20 | 17.5 | ug/L | 88 | 17 | | 78 | 123 | 20 |
| | Bromoform | 20 | 17.5 | ug/L | 88 | 17 | | 66 | 130 | 20 |
| | Isopropylbenzene | 20 | 16.9 | ug/L | 85 | 19 | | 72 | 131 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.5 | ug/L | 93 | 15 | | 71 | 121 | 20 |
| | 1,3-Dichlorobenzene | 20 | 17.4 | ug/L | 87 | 17 | | 80 | 119 | 20 |
| | 1,4-Dichlorobenzene | 20 | 17.1 | ug/L | 86 | 18 | | 79 | 118 | 20 |
| | 1,2-Dichlorobenzene | 20 | 17.5 | ug/L | 88 | 17 | | 80 | 119 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

| | | | |
|---|---|---|---|
| **SDG No.:** | **Q3141** | **Analytical Method:** | **SW8260-Low** |
| **Client:** | **Tetra Tech NUS, Inc.** | **Datafile :** | VX047749.D |

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VX0923WBSD03** | 1,2-Dibromo-3-Chloropropane | 20 | 17.6 | ug/L | 88 | 15 | | 62 | 128 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 16.4 | ug/L | 82 | 19 | | 69 | 130 | 20 |
| | 1,2,3-Trichlorobenzene | 20 | 17.1 | ug/L | 86 | 19 | | 69 | 129 | 20 |

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX0923WBL01

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047721.D Lab Sample ID: VX0923WBL01

Date Analyzed: 09/23/2025 Time Analyzed: 10:22

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 |
|---|---|---|---|
| VX0923WBS02 | VX0923WBS02 | VX047723.D | 09/23/2025 |
| BP-VPB-184-TB-20250917 | Q3141-01 | VX047725.D | 09/23/2025 |
| BP-VPB-184-GW-60-62 | Q3141-03 | VX047730.D | 09/23/2025 |
| BP-VPB-184-GW-150-152 | Q3141-05 | VX047732.D | 09/23/2025 |
| BP-VPB-184-GW-200-202 | Q3141-06 | VX047733.D | 09/23/2025 |
| BP-VPB-184-GW-220-222 | Q3141-07 | VX047734.D | 09/23/2025 |

COMMENTS:

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX0923WBL02

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047747.D Lab Sample ID: VX0923WBL02

Date Analyzed: 09/24/2025 Time Analyzed: 03:11

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 |
|---|---|---|---|
| VX0923WBS03 | VX0923WBS03 | VX047748.D | 09/24/2025 |
| VX0923WBSD03 | VX0923WBSD03 | VX047749.D | 09/24/2025 |
| BP-VPB-184-GW-100-102 | Q3141-04 | VX047760.D | 09/24/2025 |
| BP-VPB-184-EB-20250918 | Q3141-02 | VX047761.D | 09/24/2025 |

COMMENTS:

Raw Data: **VX047584.D**

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

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3141

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

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 | 20 |
| 75 | 30.0 - 60.0% of mass 95 | 54 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7 |
| 173 | Less than 2.0% of mass 174 | 0.7 ( 1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 67.3 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 8.1 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 66.3 ( 98.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6.4 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC001 | VSTDICC001 | VX047585.D | 09/16/2025 | 09:23 |
| VSTDICC005 | VSTDICC005 | VX047586.D | 09/16/2025 | 10:16 |
| VSTDICC020 | VSTDICC020 | VX047587.D | 09/16/2025 | 10:37 |
| VSTDICCC050 | VSTDICCC050 | VX047588.D | 09/16/2025 | 10:58 |
| VSTDICC100 | VSTDICC100 | VX047589.D | 09/16/2025 | 11:40 |
| VSTDICC150 | VSTDICC150 | VX047590.D | 09/16/2025 | 12:01 |

Raw Data: **VX047718.D**

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

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG NO.: Q3141
Lab File ID: VX047718.D
BFB Injection Date: 09/23/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:05
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 | 19.6 |
| 75 | 30.0 - 60.0% of mass 95 | 51.5 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 68.2 |
| 175 | 5.0 - 9.0% of mass 174 | 5.3 ( 7.8 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 66.3 ( 97.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.4 ( 6.7 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX047719.D | 09/23/2025 | 09:02 |
| VX0923WBL01 | VX0923WBL01 | VX047721.D | 09/23/2025 | 10:22 |
| VX0923WBS02 | VX0923WBS02 | VX047723.D | 09/23/2025 | 11:15 |
| BP-VPB-184-TB-20250917 | Q3141-01 | VX047725.D | 09/23/2025 | 12:22 |
| BP-VPB-184-GW-60-62 | Q3141-03 | VX047730.D | 09/23/2025 | 14:07 |
| BP-VPB-184-GW-150-152 | Q3141-05 | VX047732.D | 09/23/2025 | 14:49 |
| BP-VPB-184-GW-200-202 | Q3141-06 | VX047733.D | 09/23/2025 | 15:10 |
| BP-VPB-184-GW-220-222 | Q3141-07 | VX047734.D | 09/23/2025 | 15:31 |
| VSTDCCC050EC | VSTDCCC050 | VX047744.D | 09/23/2025 | 19:00 |

Raw Data: **VX047745.D**

Alliance TECHNICAL GROUP

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

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG NO.: Q3141
Lab File ID: VX047745.D
BFB Injection Date: 09/24/2025
Instrument ID: MSVOA_X
BFB Injection Time: 01:30
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 | 19.9 |
| 75 | 30.0 - 60.0% of mass 95 | 51.6 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.6 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1.2 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 68 |
| 175 | 5.0 - 9.0% of mass 174 | 5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 65.9 ( 97 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6.5 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX047746.D | 09/24/2025 | 02:08 |
| VX0923WBL02 | VX0923WBL02 | VX047747.D | 09/24/2025 | 03:11 |
| VX0923WBS03 | VX0923WBS03 | VX047748.D | 09/24/2025 | 03:53 |
| VX0923WBSD03 | VX0923WBSD03 | VX047749.D | 09/24/2025 | 04:14 |
| BP-VPB-184-GW-100-102 | Q3141-04 | VX047760.D | 09/24/2025 | 08:22 |
| BP-VPB-184-EB-20250918 | Q3141-02 | VX047761.D | 09/24/2025 | 08:43 |
| VSTDCCC050EC | VSTDCCC050 | VX047767.D | 09/24/2025 | 10:50 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047719.D Date Analyzed: 09/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:02

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 | 145672 | 5.53 | 265022 | 6.74 | 235703 | 10.04 |
| UPPER LIMIT | 291344 | 6.031 | 530044 | 7.239 | 471406 | 10.537 |
| LOWER LIMIT | 72836 | 5.031 | 132511 | 6.239 | 117852 | 9.537 |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-TB-20250917 | 131211 | 5.54 | 272690 | 6.75 | 268706 | 10.04 |
| BP-VPB-184-GW-60-62 | 141797 | 5.54 | 298818 | 6.75 | 301046 | 10.04 |
| BP-VPB-184-GW-150-152 | 145260 | 5.54 | 301134 | 6.75 | 306124 | 10.04 |
| BP-VPB-184-GW-200-202 | 141844 | 5.54 | 300954 | 6.75 | 298268 | 10.04 |
| BP-VPB-184-GW-220-222 | 147065 | 5.54 | 305643 | 6.75 | 308233 | 10.04 |
| VX0923WBL01 | 119065 | 5.53 | 248954 | 6.74 | 254277 | 10.04 |
| VX0923WBS02 | 181787 | 5.53 | 322664 | 6.75 | 289792 | 10.04 |

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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Fax : 908 789 8922

# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047719.D Date Analyzed: 09/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:02

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 115061 | 12.006 | | | | |
| UPPER LIMIT | 230122 | 12.506 | | | | |
| LOWER LIMIT | 57530.5 | 11.506 | | | | |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-TB-20250917 | 128339 | 12.01 | | | | |
| BP-VPB-184-GW-60-62 | 155521 | 12.01 | | | | |
| BP-VPB-184-GW-150-152 | 153459 | 12.01 | | | | |
| BP-VPB-184-GW-200-202 | 146402 | 12.01 | | | | |
| BP-VPB-184-GW-220-222 | 157643 | 12.01 | | | | |
| VX0923WBL01 | 132951 | 12.01 | | | | |
| VX0923WBS02 | 141661 | 12.01 | | | | |

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: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047746.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_X Time Analyzed: 02:08

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 | 166745 | 5.53 | 290663 | 6.74 | 252770 | 10.04 |
| UPPER LIMIT | 333490 | 6.032 | 581326 | 7.239 | 505540 | 10.537 |
| LOWER LIMIT | 83372.5 | 5.032 | 145332 | 6.239 | 126385 | 9.537 |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-EB-20250918 | 157285 | 5.54 | 293648 | 6.75 | 269079 | 10.04 |
| BP-VPB-184-GW-100-102 | 165497 | 5.54 | 300349 | 6.75 | 276860 | 10.04 |
| VX0923WBL02 | 197095 | 5.54 | 377977 | 6.75 | 356070 | 10.04 |
| VX0923WBS03 | 156932 | 5.54 | 284011 | 6.75 | 253957 | 10.04 |
| VX0923WBSD03 | 154222 | 5.54 | 281988 | 6.75 | 254297 | 10.04 |

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: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3141

Lab File ID: VX047746.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_X Time Analyzed: 02:08

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 121948 | 12.006 | | | | |
| UPPER LIMIT | 243896 | 12.506 | | | | |
| LOWER LIMIT | 60974 | 11.506 | | | | |
| EPA SAMPLE NO. | | | | | | |
| BP-VPB-184-EB-20250918 | 126784 | 12.01 | | | | |
| BP-VPB-184-GW-100-102 | 136496 | 12.01 | | | | |
| VX0923WBL02 | 171478 | 12.01 | | | | |
| VX0923WBS03 | 123765 | 12.01 | | | | |
| VX0923WBSD03 | 124629 | 12.01 | | | | |

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: **VX047725.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-TB-20250917 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047725.D | 1 | 09/23/25 12:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047725.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-TB-20250917 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047725.D | 1 | 09/23/25 12:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.5 | | 81 - 118 | | 95% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.4 | | 80 - 119 | | 93% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.5 | | 89 - 112 | | 95% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | 85 - 114 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 131000 | 5.538 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 273000 | 6.745 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 269000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 128000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047725.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-TB-20250917 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047725.D | 1 | 09/23/25 12:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Quant Time: Sep 24 01:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

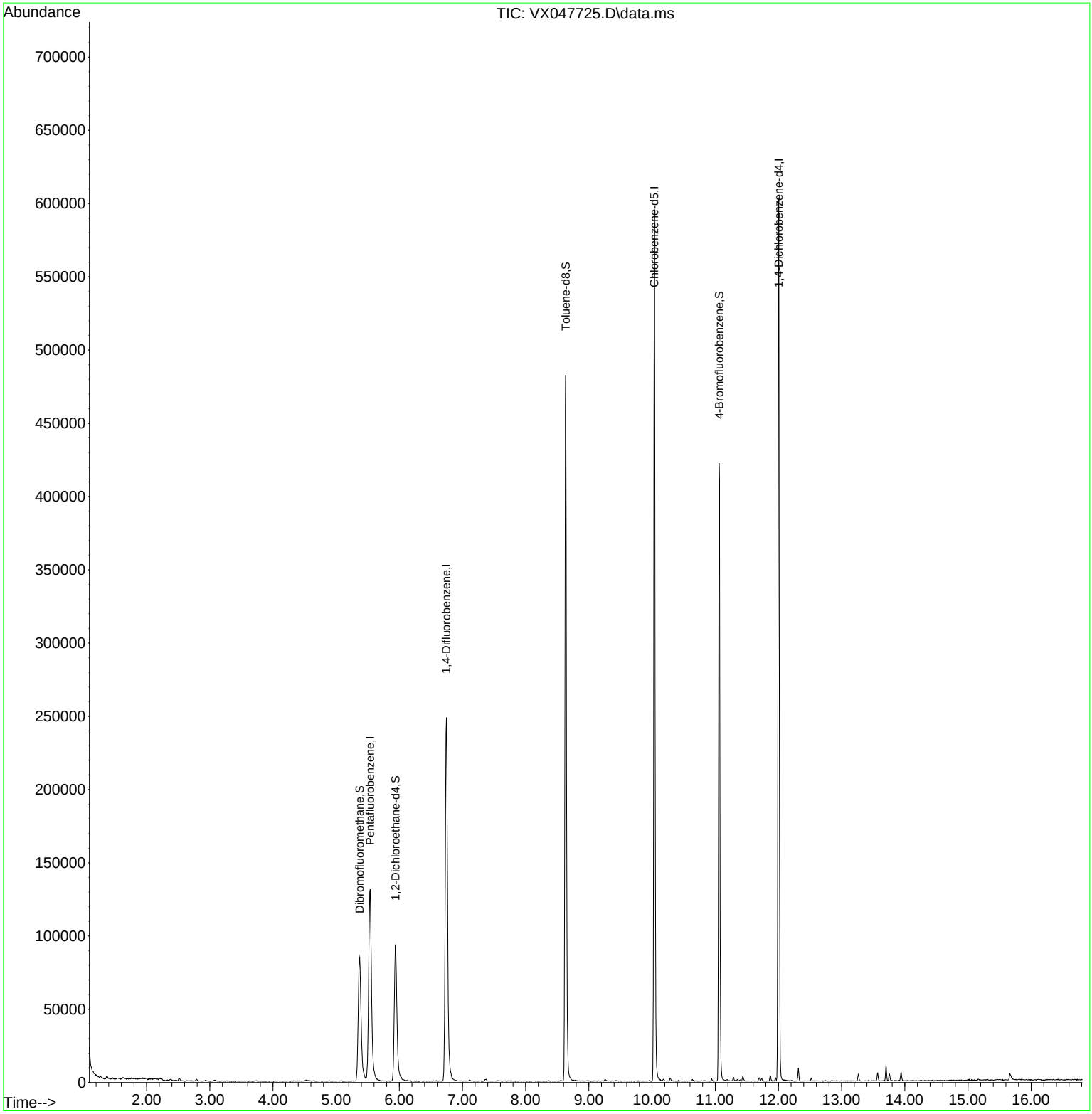
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 131211 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 272690 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 268706 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 128339 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 99105 | 47.452 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 94.900% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 84932 | 46.441 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.880% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 300857 | 47.543 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.080% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 125146 | 52.109 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.220% | | | |
| Target Compounds | | | | | | Qvalue |

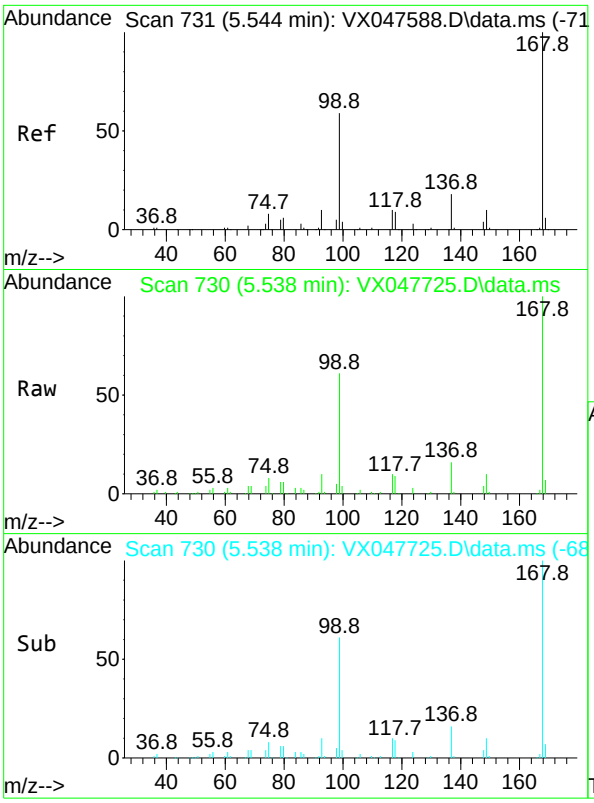
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Quant Time: Sep 24 01:29:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



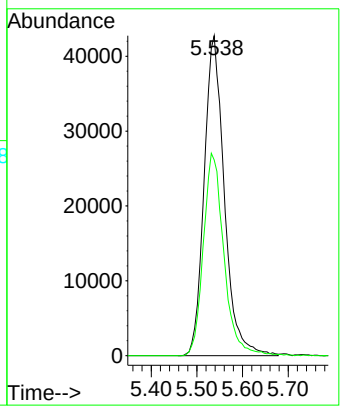


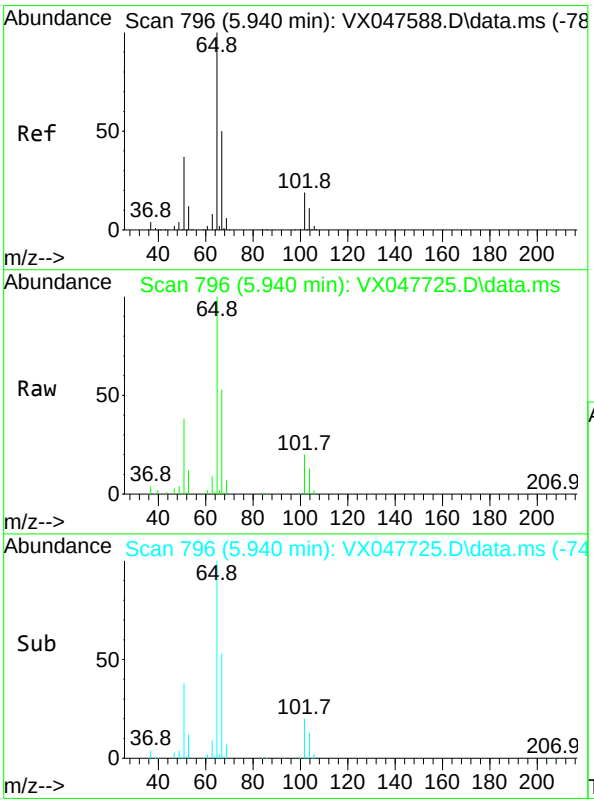

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Tgt Ion:168 Resp: 131211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 48.8 | 73.2 |

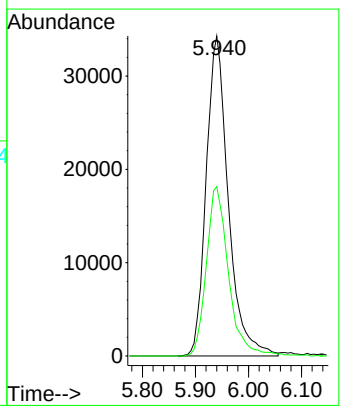


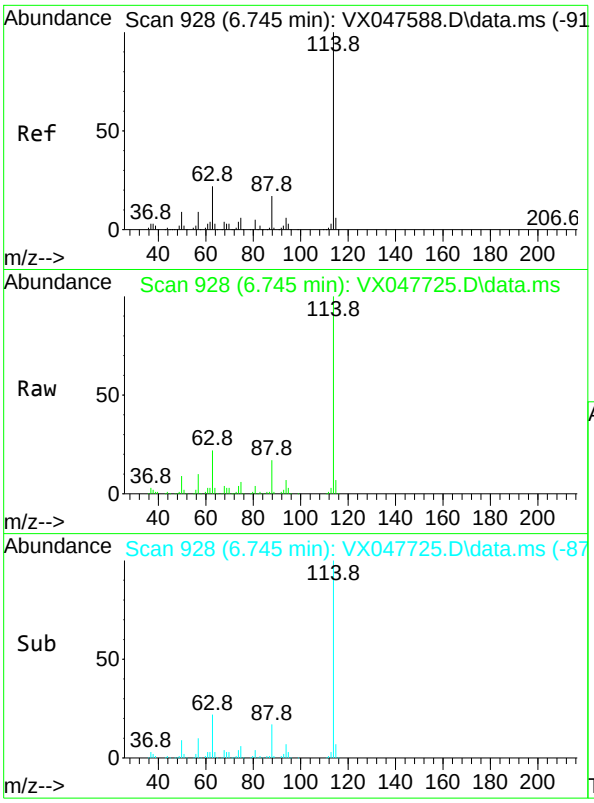




#33
1,2-Dichloroethane-d4
Concen: 47.452 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

Tgt Ion: 65 Resp: 99105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.1 | 0.0 | 103.0 |



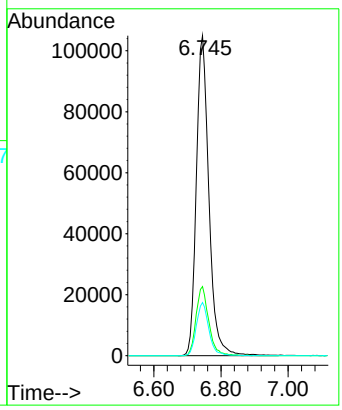


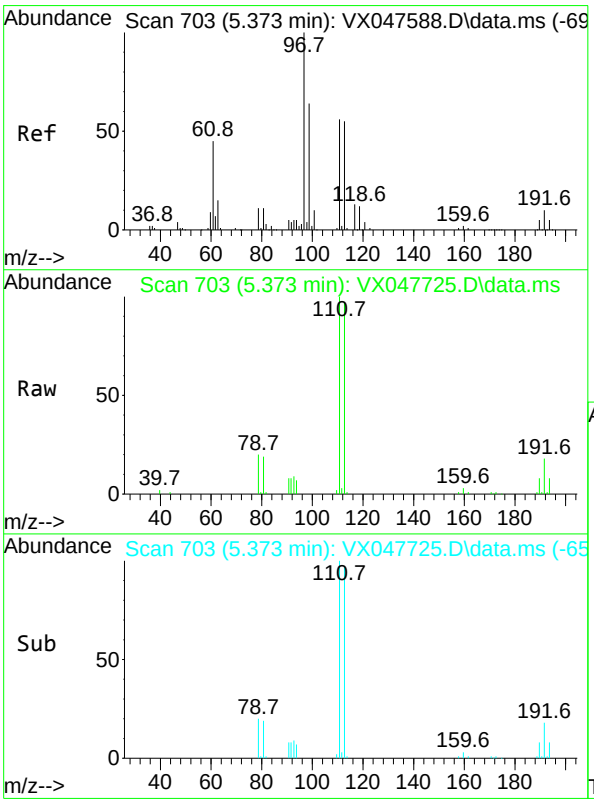

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Tgt Ion:114 Resp: 272690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 34.2 |

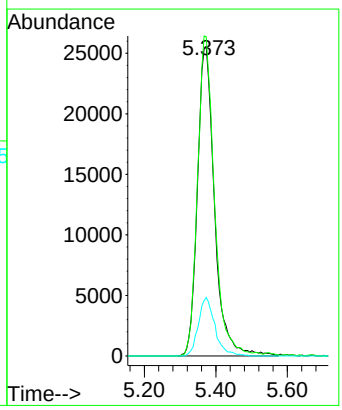


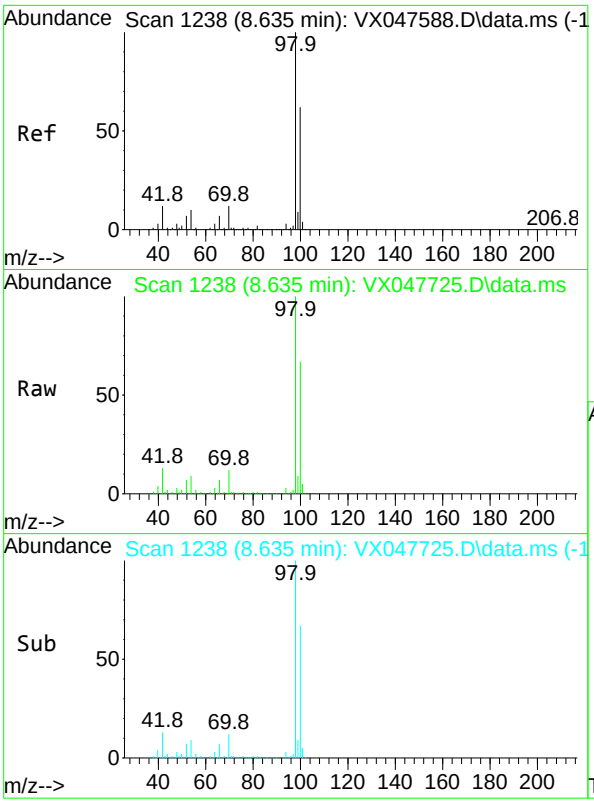




#35
Dibromofluoromethane
Concen: 46.441 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

Tgt Ion:113 Resp: 84932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 80.9 | 121.3 |
| 192 | 18.3 | 14.2 | 21.4 |



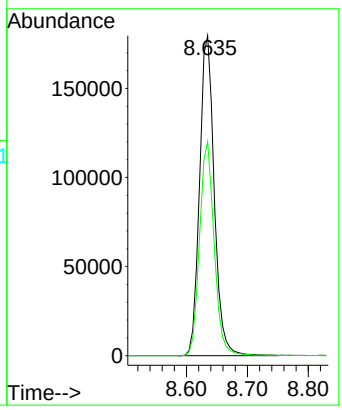


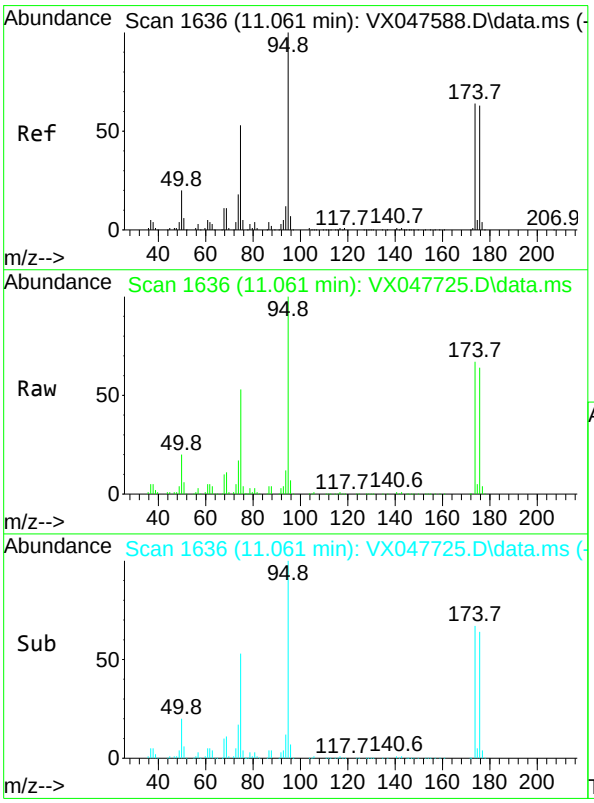

#50
Toluene-d8
Concen: 47.543 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Tgt Ion: 98 Resp: 300857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.7 | 53.0 | 79.4 |

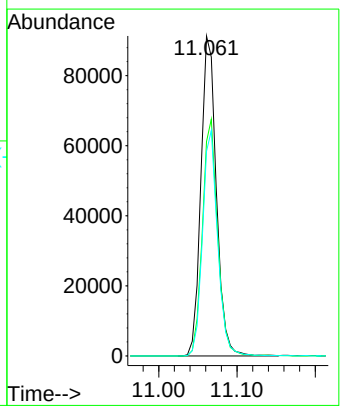


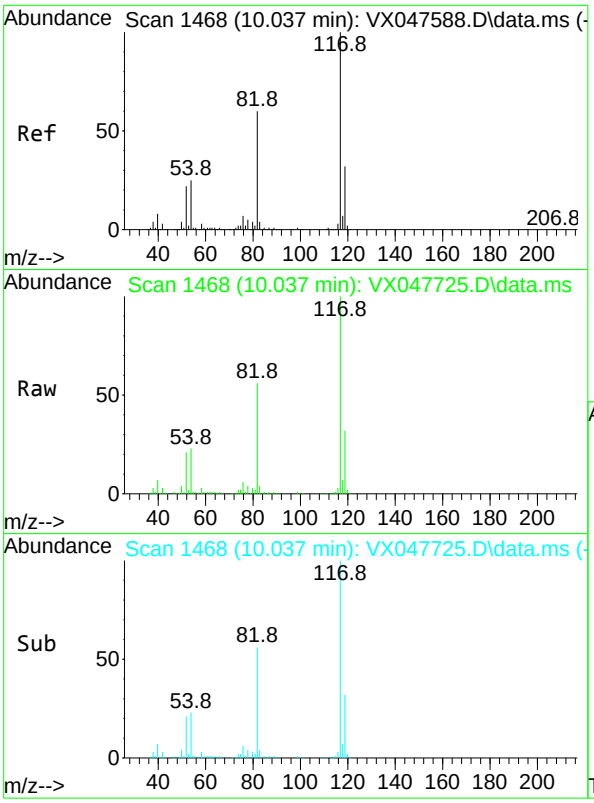




#62
4-Bromofluorobenzene
Concen: 52.109 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

Tgt Ion: 95 Resp: 125146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 141.6 |
| 176 | 68.7 | 0.0 | 138.4 |



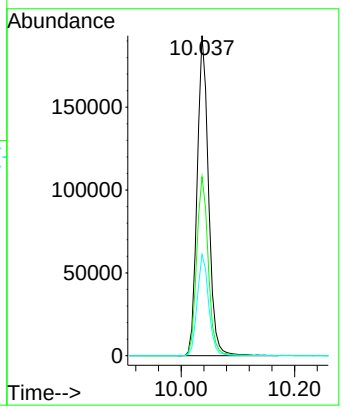


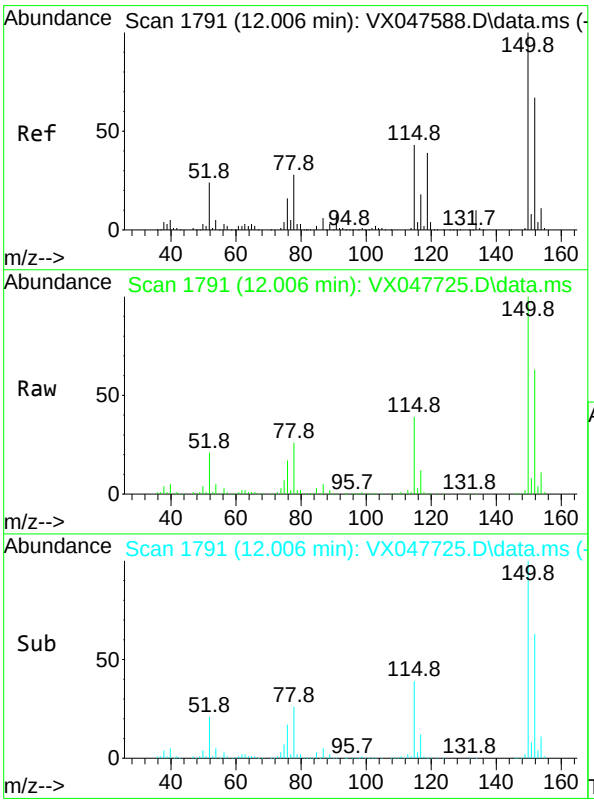

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Tgt Ion:117 Resp: 268706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 47.8 | 71.6 |
| 119 | 31.6 | 25.2 | 37.8 |

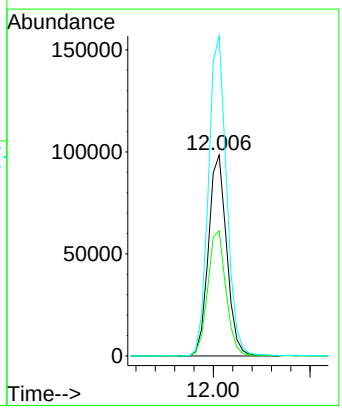



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047725.D
Acq: 23 Sep 2025 12:22

Tgt Ion:152 Resp: 128339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.7 | 44.9 | 134.5 |
| 150 | 159.0 | 0.0 | 352.0 |



Sample Results: **VX047725.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047725.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.373 | 692 | 703 | 719 | rBV2 | 84255 | 273209 | 32.74% | 5.849% |
| 2 | 5.538 | 719 | 730 | 750 | rVB | 130178 | 402697 | 48.25% | 8.621% |
| 3 | 5.940 | 786 | 796 | 815 | rBV2 | 93062 | 270480 | 32.41% | 5.790% |
| 4 | 6.745 | 918 | 928 | 949 | rBV | 248193 | 645688 | 77.36% | 13.823% |
| 5 | 8.635 | 1231 | 1238 | 1257 | rBV | 482062 | 815378 | 97.70% | 17.456% |
| 6 | 10.037 | 1462 | 1468 | 1483 | rBV | 594951 | 834600 | 100.00% | 17.867% |
| 7 | 11.061 | 1631 | 1636 | 1647 | rBV | 421767 | 585910 | 70.20% | 12.543% |
| 8 | 12.006 | 1785 | 1791 | 1801 | rBV | 601838 | 811999 | 97.29% | 17.383% |
| 9 | 12.317 | 1836 | 1842 | 1847 | rBV2 | 8865 | 10637 | 1.27% | 0.228% |
| 10 | 13.701 | 2066 | 2069 | 2074 | rVB3 | 10008 | 12052 | 1.44% | 0.258% |
| 11 | 15.664 | 2387 | 2391 | 2399 | rBV7 | 4148 | 8453 | 1.01% | 0.181% |

Sum of corrected areas: 4671103

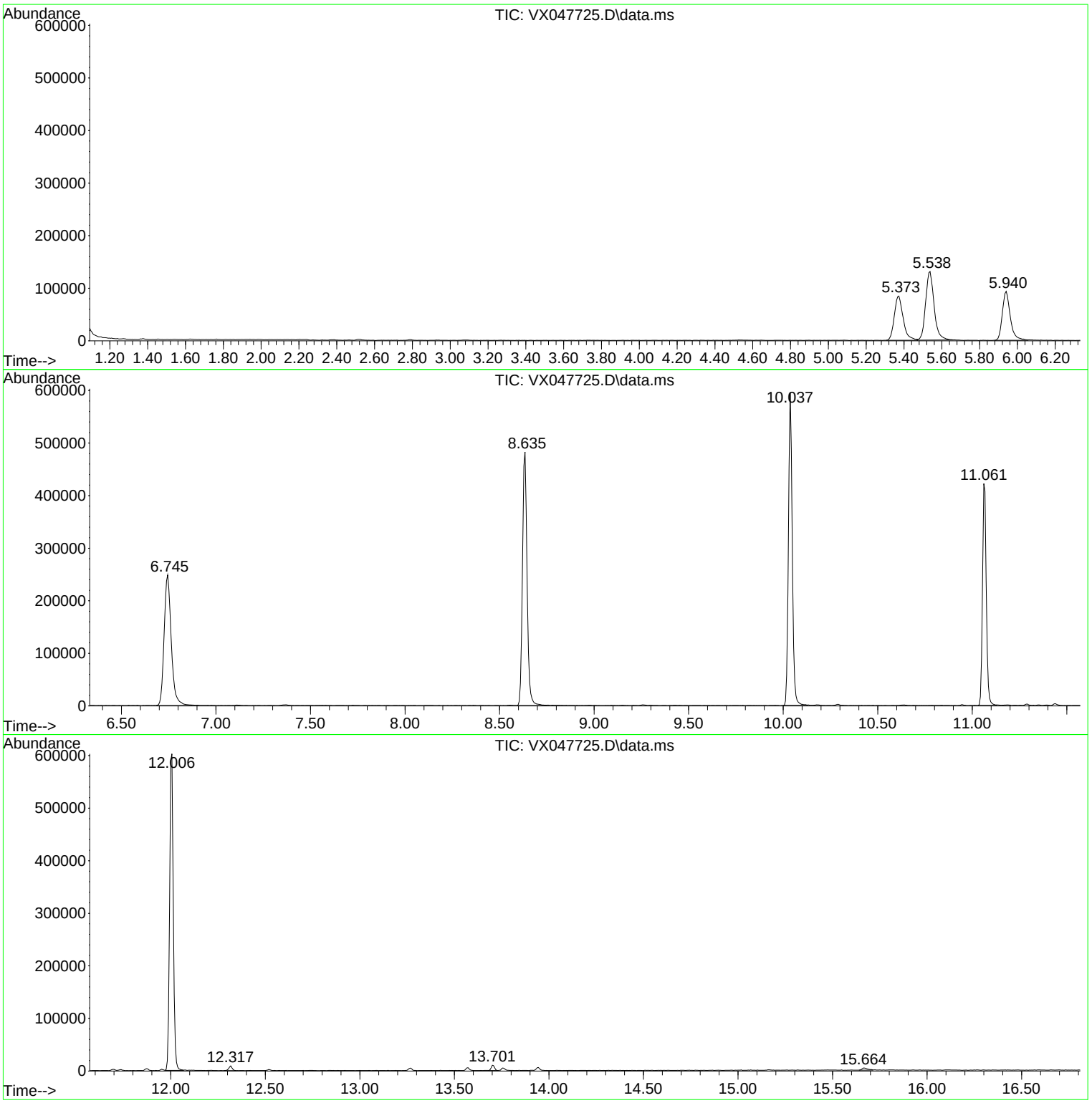
Sample Results: **VX047725.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

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

Sample Results: **VX047725.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047725.D
Acq On : 23 Sep 2025 12:22
Operator : JC/MD
Sample : Q3141-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-TB-20250917

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047761.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-EB-20250918 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047761.D | 1 | 09/24/25 08:43 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 64.5 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 7.80 | | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-EB-20250918 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047761.D | 1 | 09/24/25 08:43 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.9 | | 81 - 118 | | 106% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.1 | | 80 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.8 | | 85 - 114 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 157000 | 5.538 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 294000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 269000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 127000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047761.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-EB-20250918 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047761.D | 1 | 09/24/25 08:43 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Quant Time: Sep 24 09:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 157285 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 293648 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 269079 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 126784 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 132556 | 52.947 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 105.900% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 100689 | 51.128 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.260% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 337096 | 49.468 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.940% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 131474 | 50.837 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 101.680% | | | |
| Target Compounds | | | | | | Qvalue |
| 11) Tert butyl alcohol | 2.947 | 59 | 5373 | 19.270 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 70220 | 64.507 | ug/l | 94 |
| 25) 2-Butanone | 4.556 | 43 | 10584 | 7.795 | ug/l | 93 |

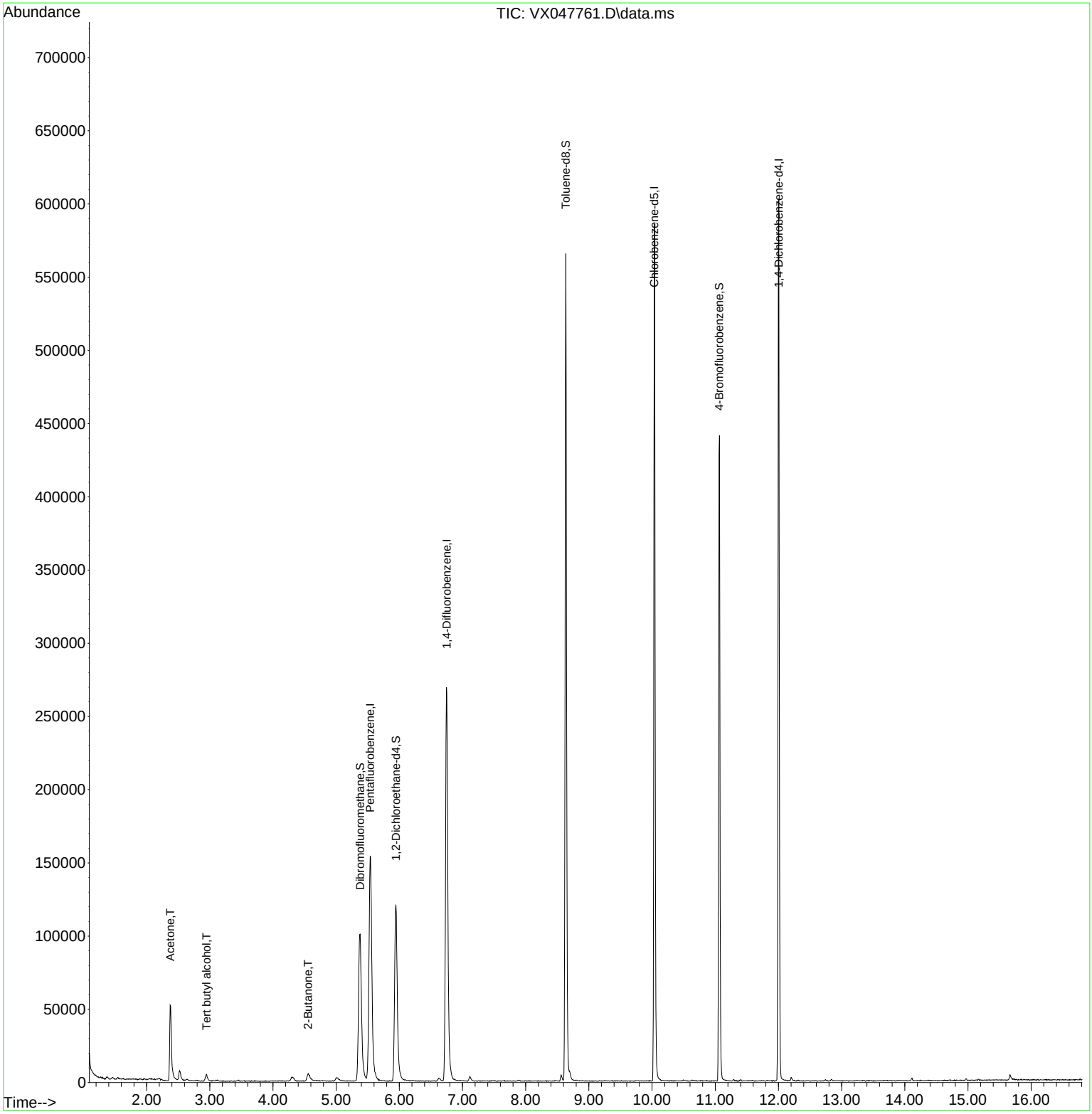
(#) = qualifier out of range (m) = manual integration (+) = signals summed

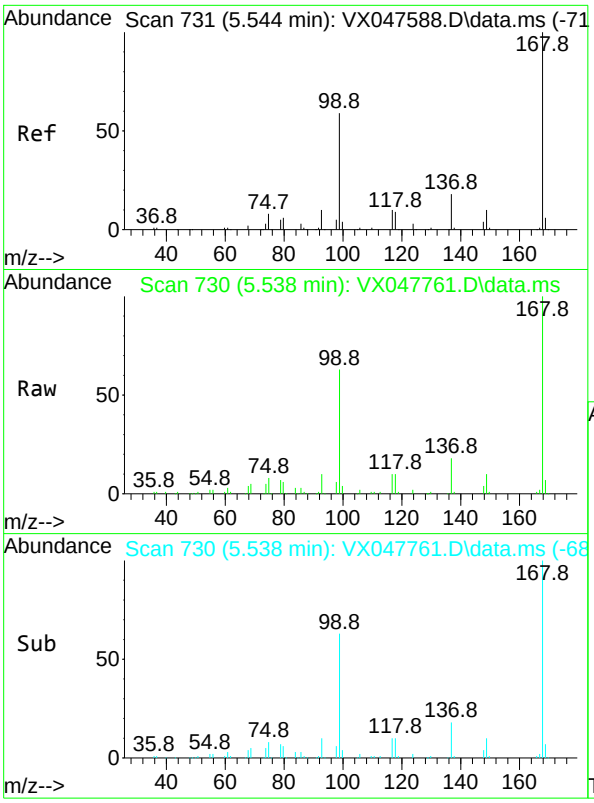
Sample Results: **VX047761.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Quant Time: Sep 24 09:04:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



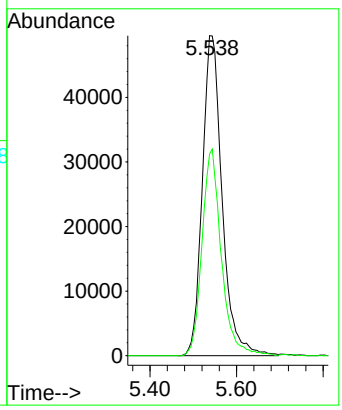


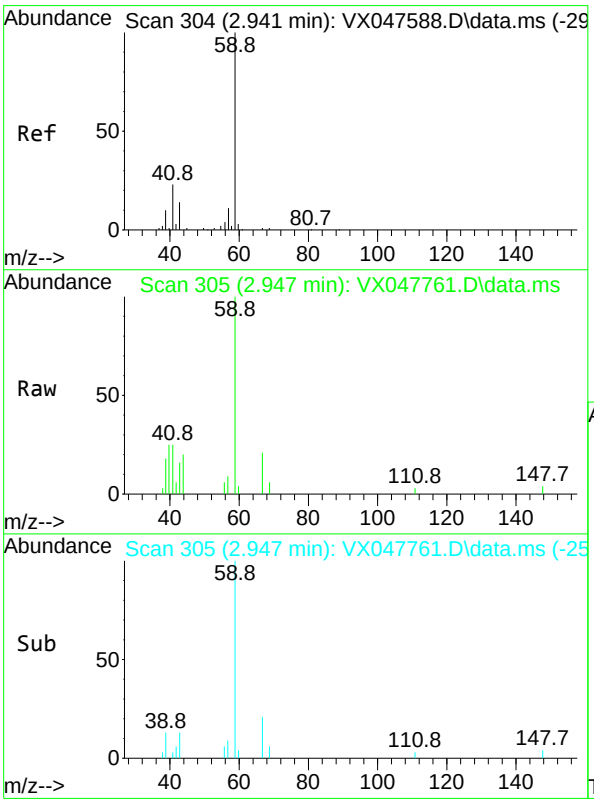

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion:168 Resp: 157285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.0 | 48.8 | 73.2 |

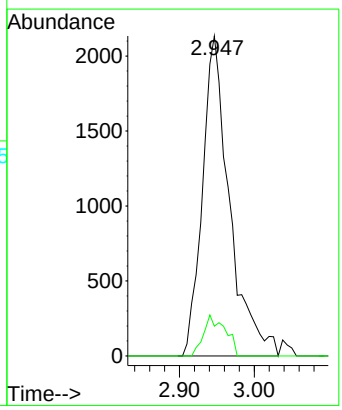


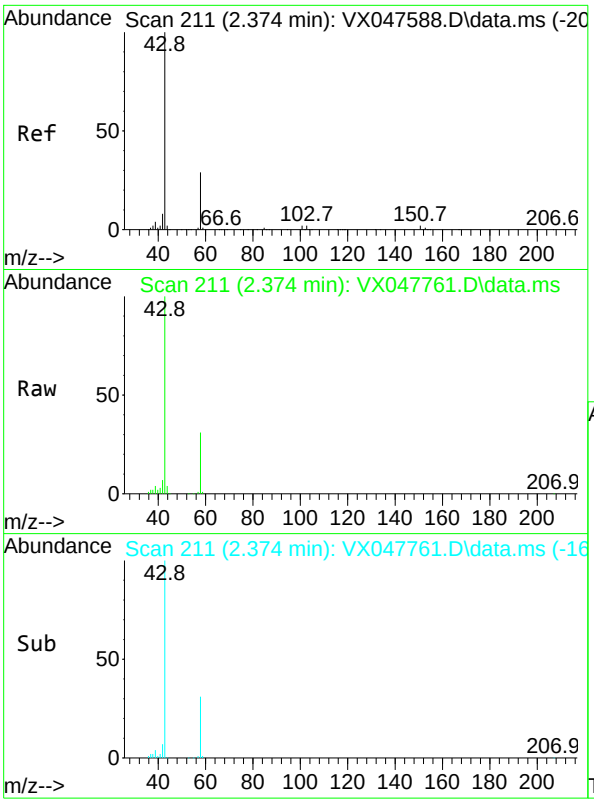




#11
Tert butyl alcohol
Concen: 19.270 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 59 Resp: 5373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 8.3 | 12.5 |



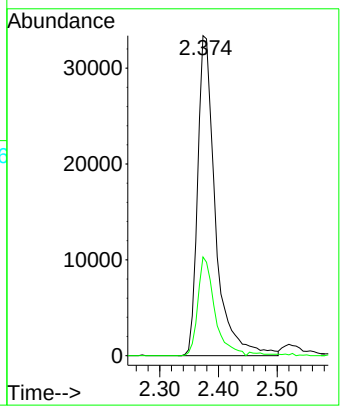


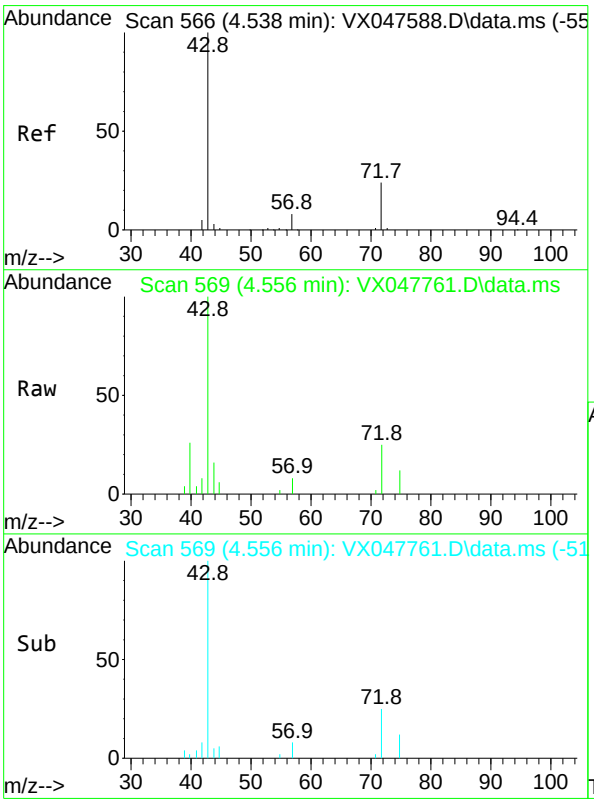

#16
Acetone
Concen: 64.507 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion: 43 Resp: 70220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.3 | 23.4 | 35.0 |

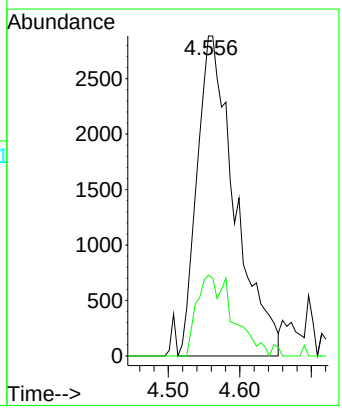


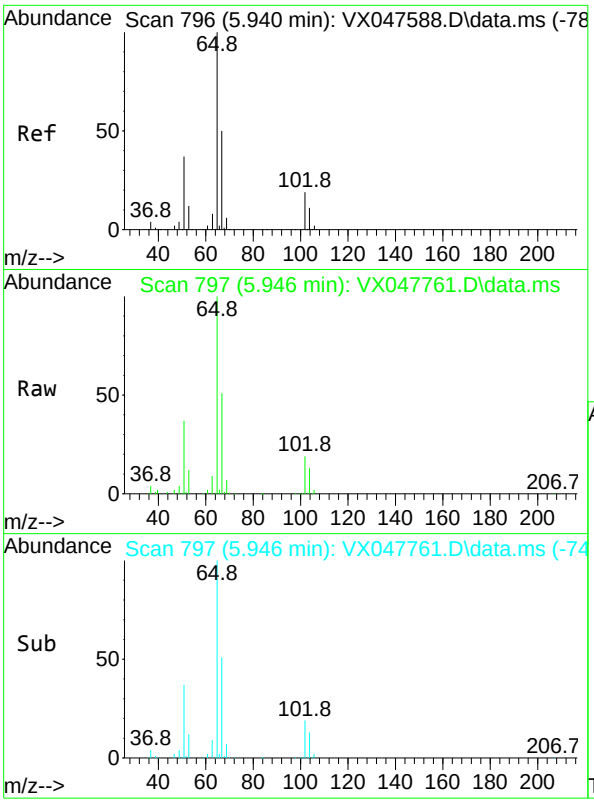




#25
2-Butanone
Concen: 7.795 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 43 Resp: 10584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.8 | 20.1 | 30.1 |



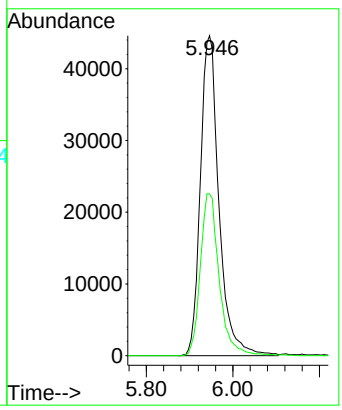


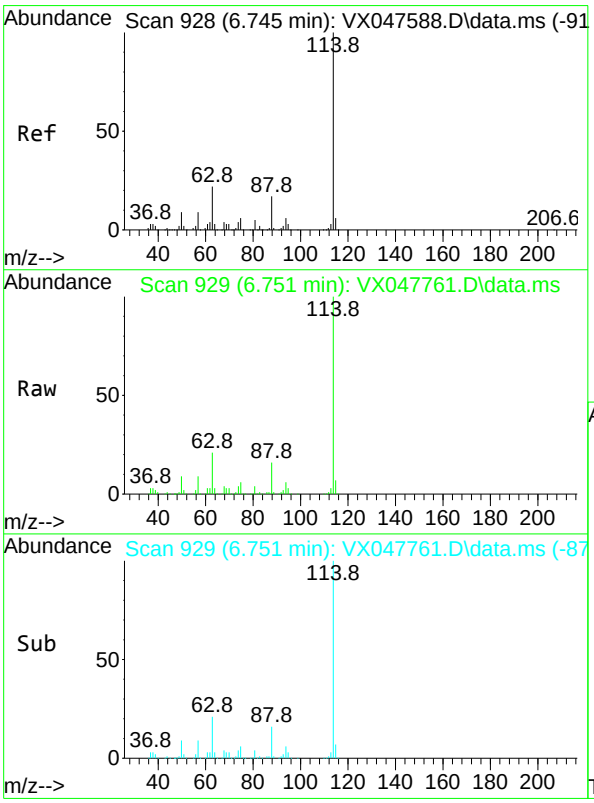

#33
1,2-Dichloroethane-d4
Concen: 52.947 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion: 65 Resp: 132556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.2 | 0.0 | 103.0 |

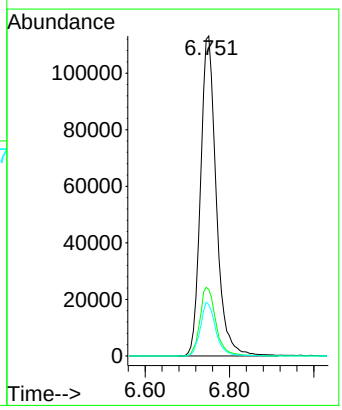


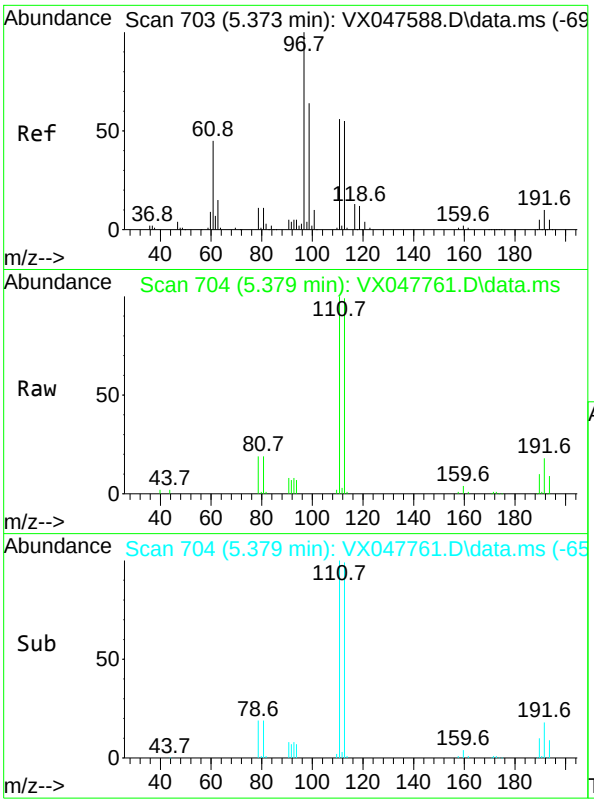




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion:114 Resp: 293648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 16.0 | 0.0 | 34.2 |



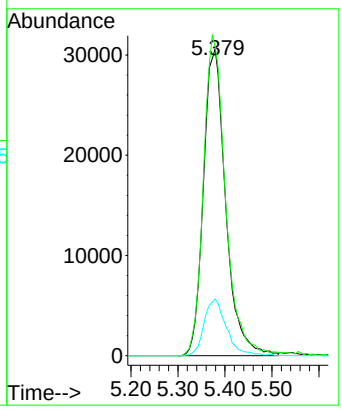


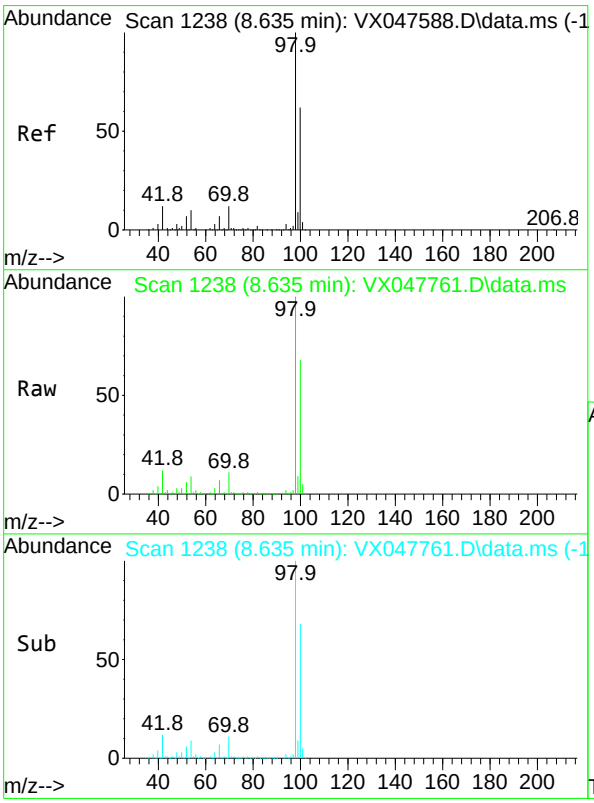

#35
Dibromofluoromethane
Concen: 51.128 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion:113 Resp: 100689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 104.2 | 80.9 | 121.3 |
| 192 | 18.4 | 14.2 | 21.4 |

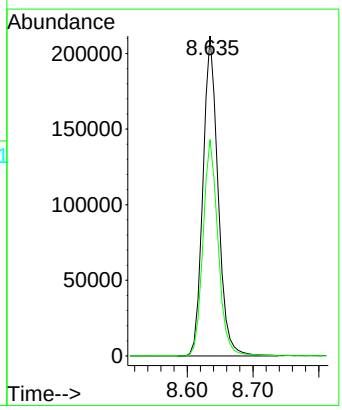


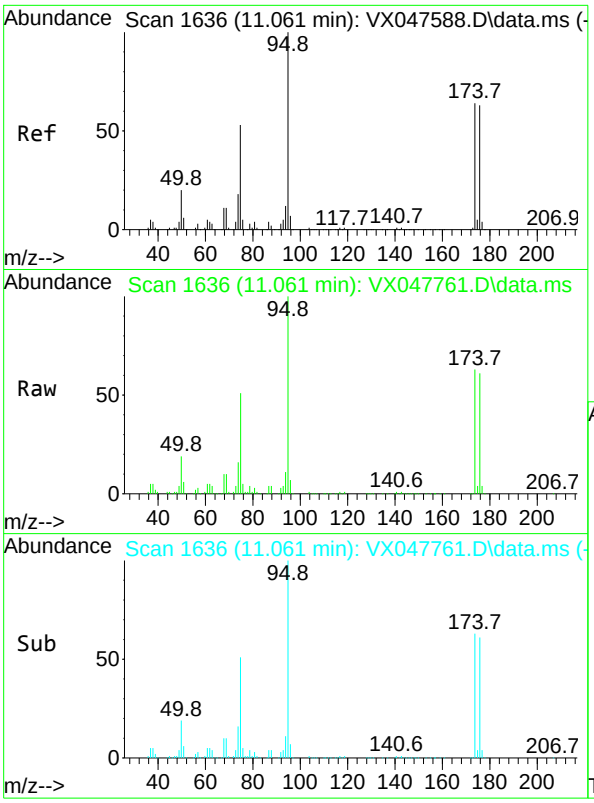




#50
Toluene-d8
Concen: 49.468 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion: 98 Resp: 337096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.5 | 53.0 | 79.4 |



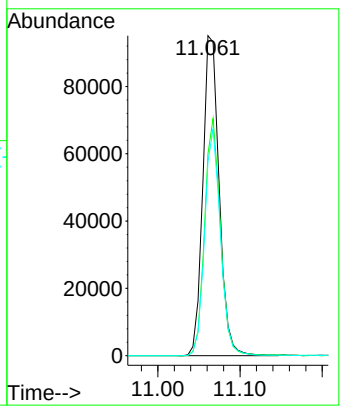


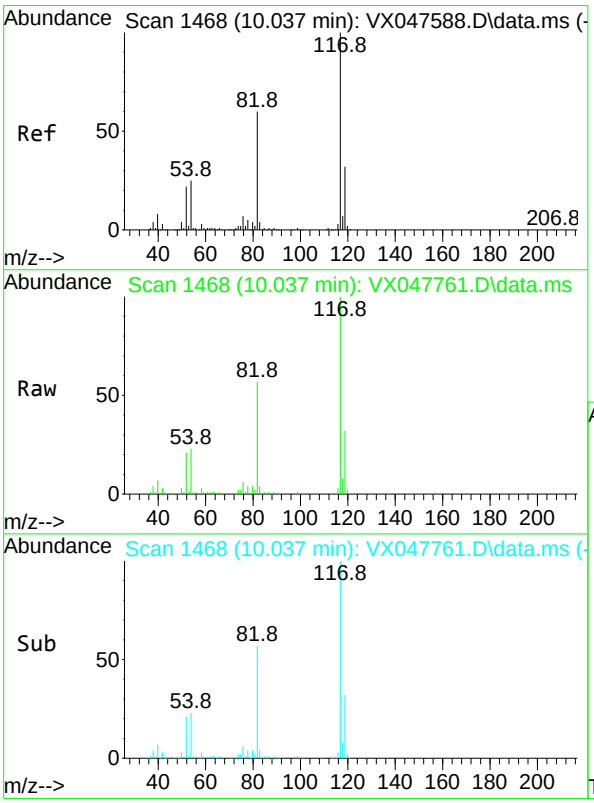

#62
4-Bromofluorobenzene
Concen: 50.837 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion: 95 Resp: 131474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.0 | 0.0 | 141.6 |
| 176 | 68.7 | 0.0 | 138.4 |

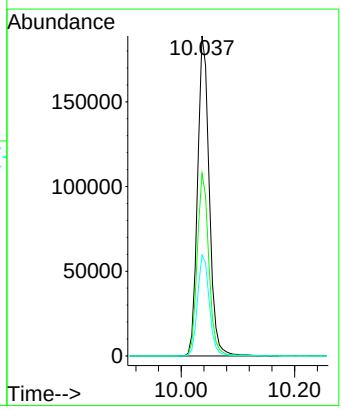


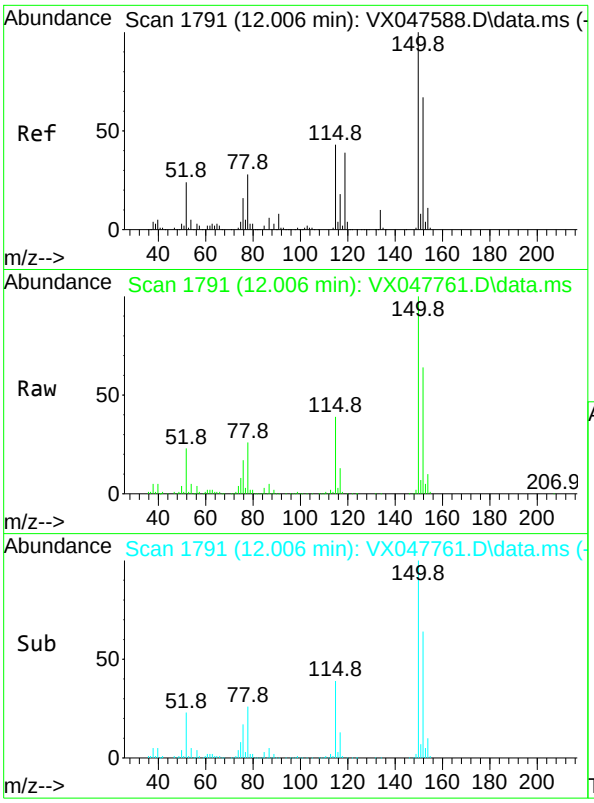




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

Tgt Ion:117 Resp: 269079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.1 | 47.8 | 71.6 |
| 119 | 31.6 | 25.2 | 37.8 |



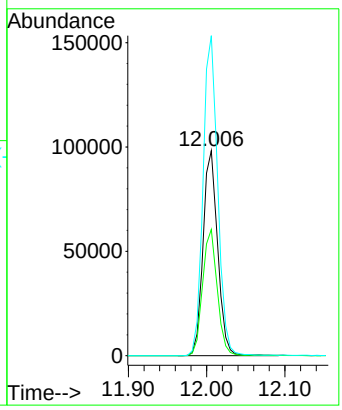



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047761.D
Acq: 24 Sep 2025 08:43

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Tgt Ion:152 Resp: 126784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.7 | 44.9 | 134.5 |
| 150 | 156.7 | 0.0 | 352.0 |



Sample Results: **VX047761.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047761.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.374 | 204 | 211 | 230 | rBV | 51714 | 108717 | 11.99% | 2.106% |
| 2 | 2.520 | 230 | 235 | 245 | rVB3 | 6742 | 15198 | 1.68% | 0.294% |
| 3 | 2.947 | 297 | 305 | 314 | rBV4 | 4741 | 11715 | 1.29% | 0.227% |
| 4 | 4.556 | 561 | 569 | 572 | rBV3 | 5196 | 11908 | 1.31% | 0.231% |
| 5 | 5.379 | 692 | 704 | 720 | rBV3 | 100204 | 328314 | 36.20% | 6.361% |
| 6 | 5.538 | 720 | 730 | 752 | rVB | 153087 | 483018 | 53.26% | 9.359% |
| 7 | 5.946 | 786 | 797 | 816 | rBV | 120552 | 359526 | 39.64% | 6.966% |
| 8 | 6.745 | 919 | 928 | 948 | rVV | 268638 | 694802 | 76.61% | 13.462% |
| 9 | 8.635 | 1231 | 1238 | 1247 | rBV | 564422 | 906981 | 100.00% | 17.573% |
| 10 | 10.037 | 1462 | 1468 | 1486 | rBV | 585296 | 837511 | 92.34% | 16.227% |
| 11 | 11.067 | 1631 | 1637 | 1651 | rBV | 441055 | 613703 | 67.66% | 11.891% |
| 12 | 12.006 | 1785 | 1791 | 1801 | rBV | 602181 | 789866 | 87.09% | 15.304% |

Sum of corrected areas: 5161259

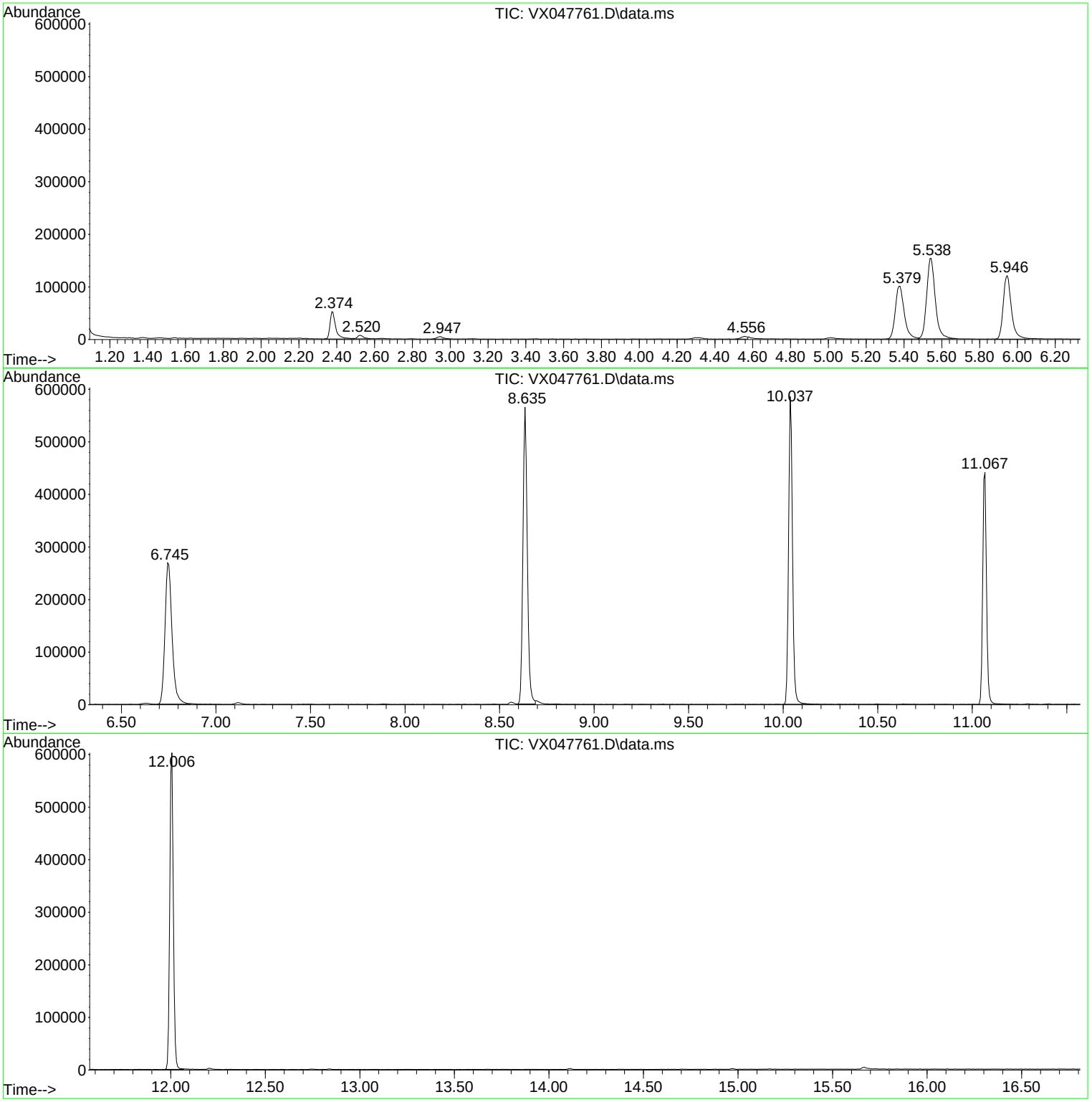
Sample Results: **VX047761.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047761.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047761.D
Acq On : 24 Sep 2025 08:43
Operator : JC/MD
Sample : Q3141-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 50 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-EB-20250918

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047730.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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-60-62 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047730.D | 1 | 09/23/25 14:07 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.35 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 10.6 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.90 | J | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 1.60 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.76 | J | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.39 | J | 0.14 | 0.50 | 1.00 | ug/L |

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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-60-62 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047730.D | 1 | 09/23/25 14:07 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.36 | J | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.28 | J | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.5 | | 81 - 118 | | 105% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.3 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 55.6 | | 85 - 114 | | 111% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 142000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 299000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 301000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 156000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047730.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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-60-62 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047730.D | 1 | 09/23/25 14:07 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Quant Time: Sep 24 01:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

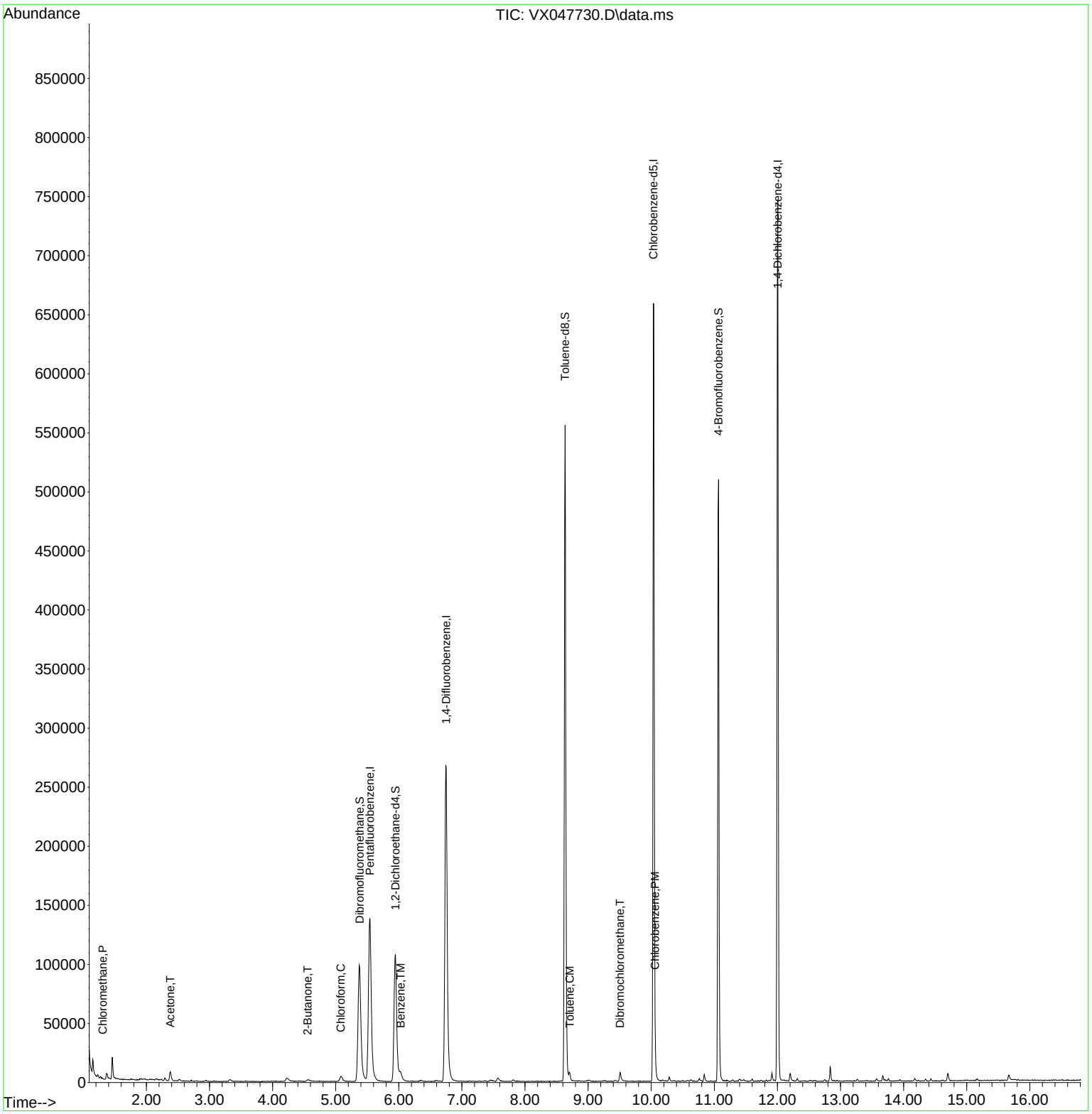
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 141797 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 298818 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 301046 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 155521 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 118593 | 52.543 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 105.080% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 97478 | 48.641 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.280% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 334878 | 48.293 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 96.580% | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 146404 | 55.631 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 111.260% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.307 | 50 | 678 | 0.351 | ug/l # | 85 |
| 16) Acetone | 2.380 | 43 | 10429 | 10.627 | ug/l | 97 |
| 25) 2-Butanone | 4.556 | 43 | 3588 | 2.931 | ug/l | 94 |
| 30) Chloroform | 5.080 | 83 | 5853 | 1.617 | ug/l | 89 |
| 40) Benzene | 6.031 | 78 | 6765 | 0.761 | ug/l | 92 |
| 52) Toluene | 8.708 | 92 | 2151 | 0.393 | ug/l | 96 |
| 60) Dibromochloromethane | 9.506 | 129 | 881 | 0.362 | ug/l | 87 |
| 65) Chlorobenzene | 10.061 | 112 | 1894 | 0.277 | ug/l | 97 |

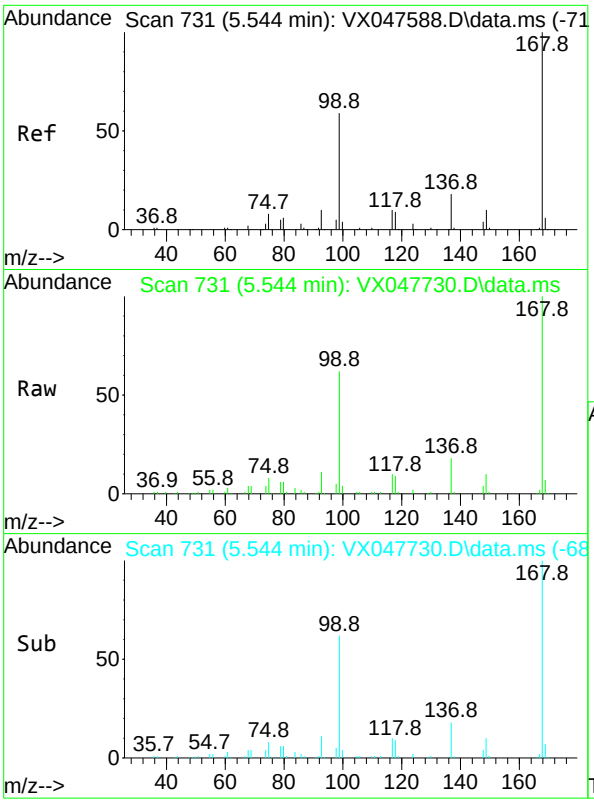
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Quant Time: Sep 24 01:32:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



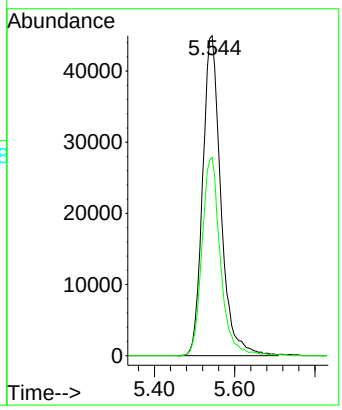


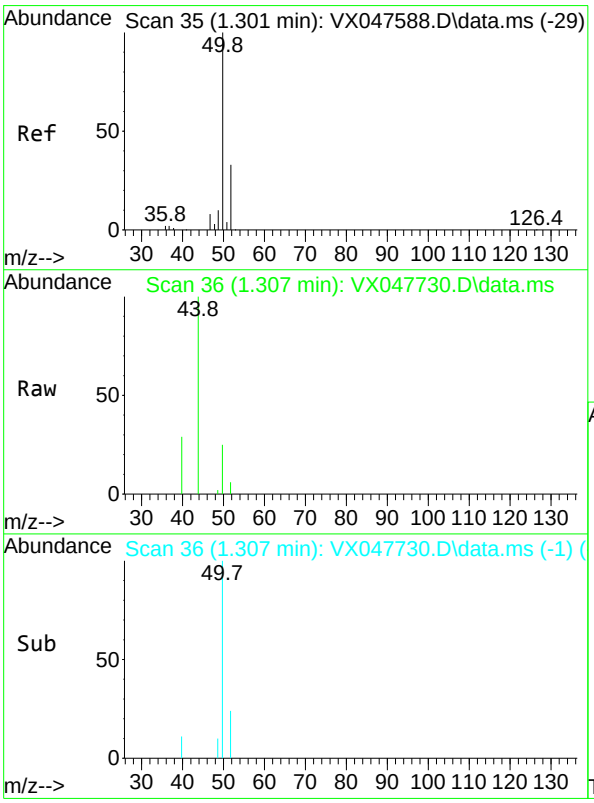

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion:168 Resp: 141797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.0 | 48.8 | 73.2 |

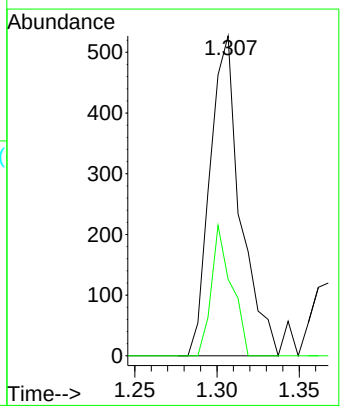


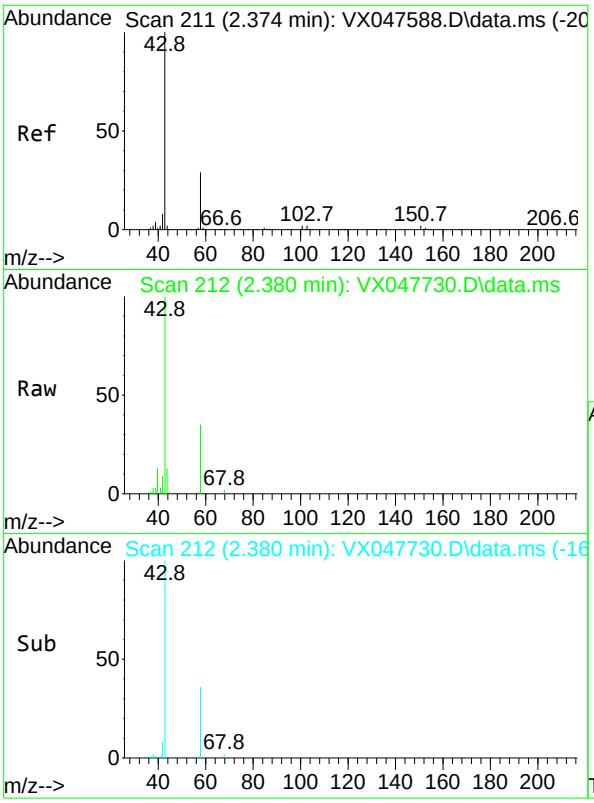




#3
Chloromethane
Concen: 0.351 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion: 50 Resp: 678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.9 | 26.1 | 39.1# |



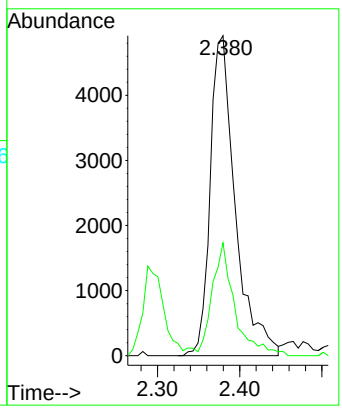


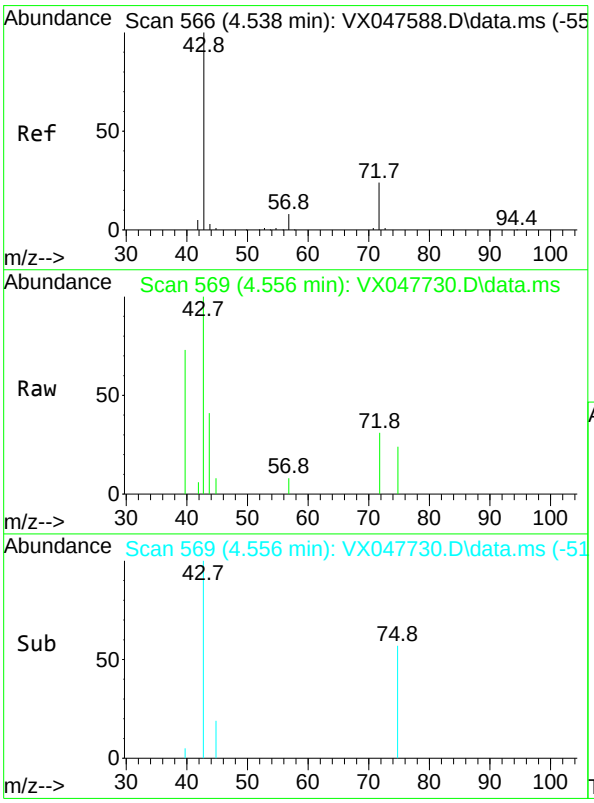

#16
Acetone
Concen: 10.627 ug/l
RT: 2.380 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion: 43 Resp: 10429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 23.4 | 35.0 |

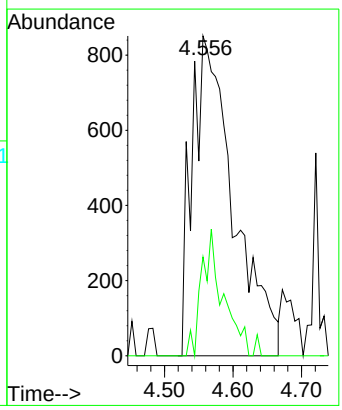


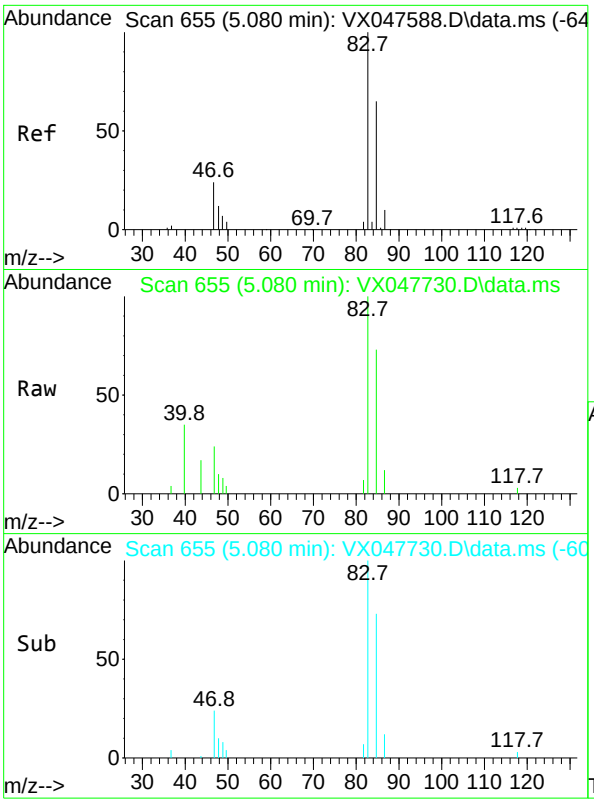




#25
2-Butanone
Concen: 2.931 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion: 43 Resp: 3588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.9 | 20.1 | 30.1 |



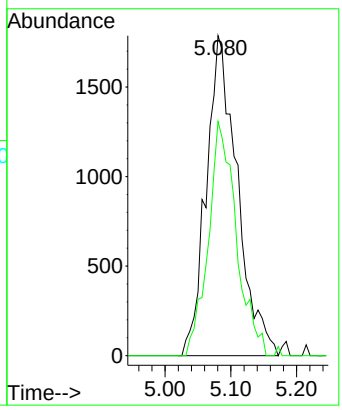


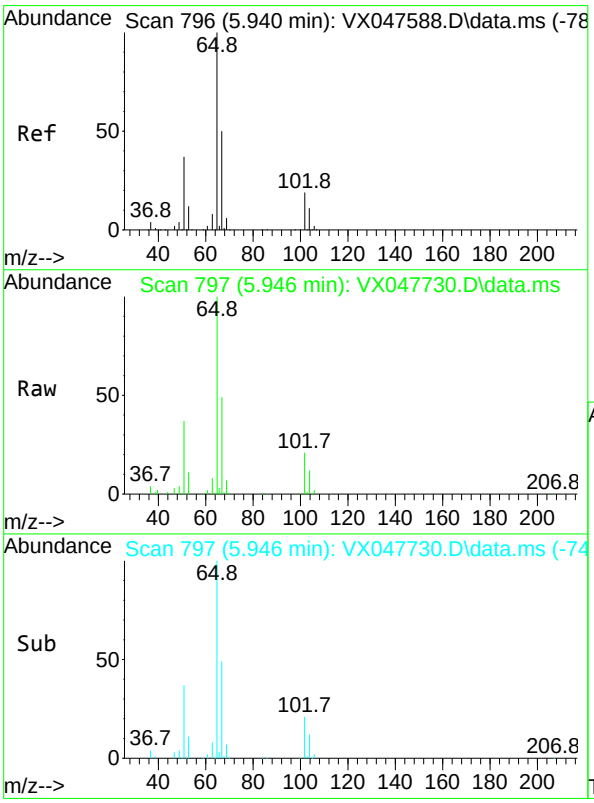

#30
Chloroform
Concen: 1.617 ug/l
RT: 5.080 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion: 83 Resp: 5853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 73.2 | 51.8 | 77.6 |

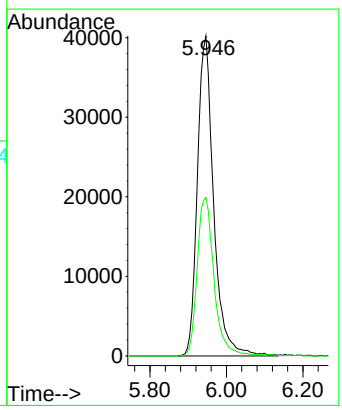


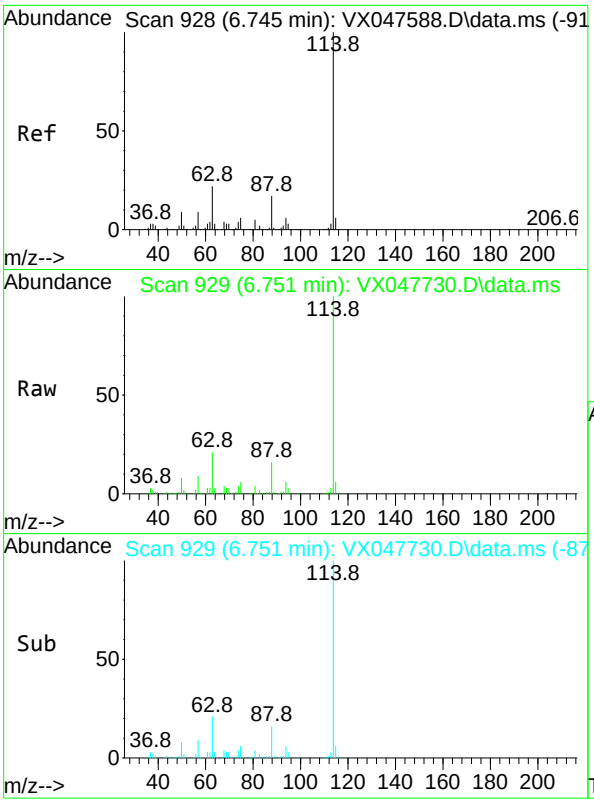




#33
1,2-Dichloroethane-d4
Concen: 52.543 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion: 65 Resp: 118593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.0 | 0.0 | 103.0 |



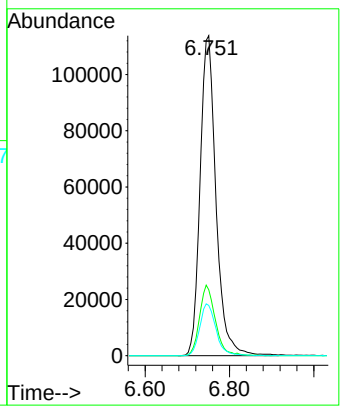


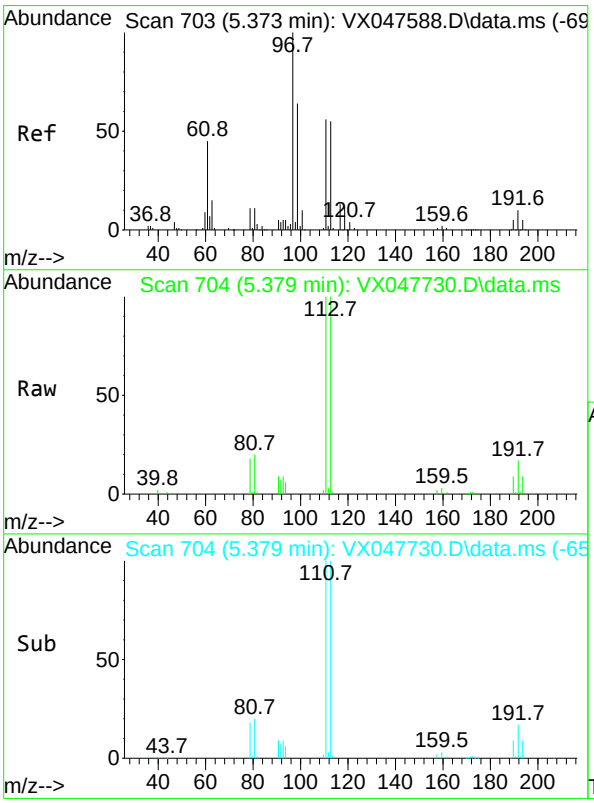

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion:114 Resp: 298818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 44.0 |
| 88 | 15.7 | 0.0 | 34.2 |

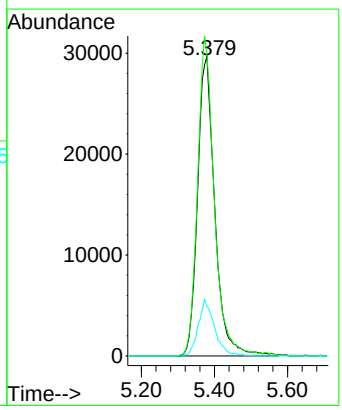


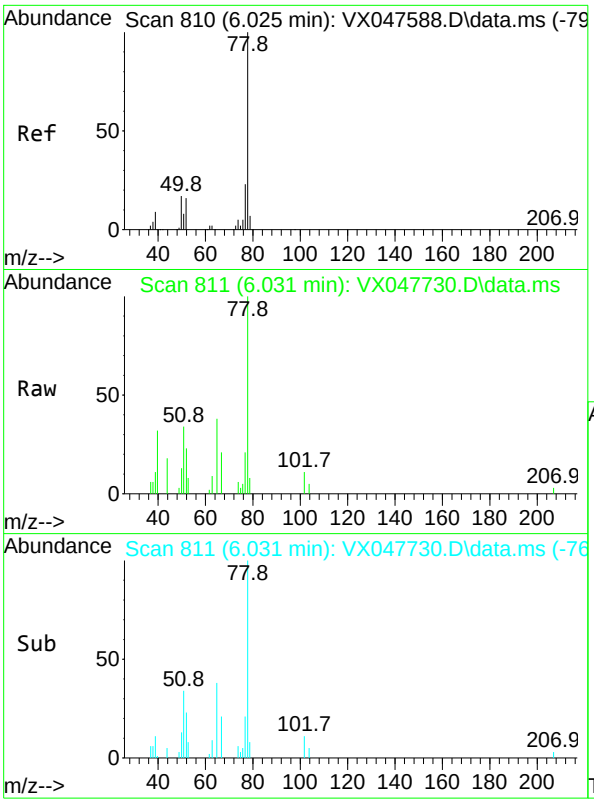




#35
Dibromofluoromethane
Concen: 48.641 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion:113 Resp: 97478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |



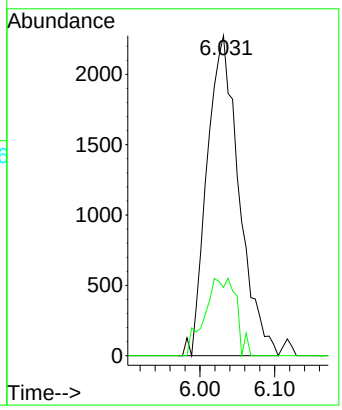


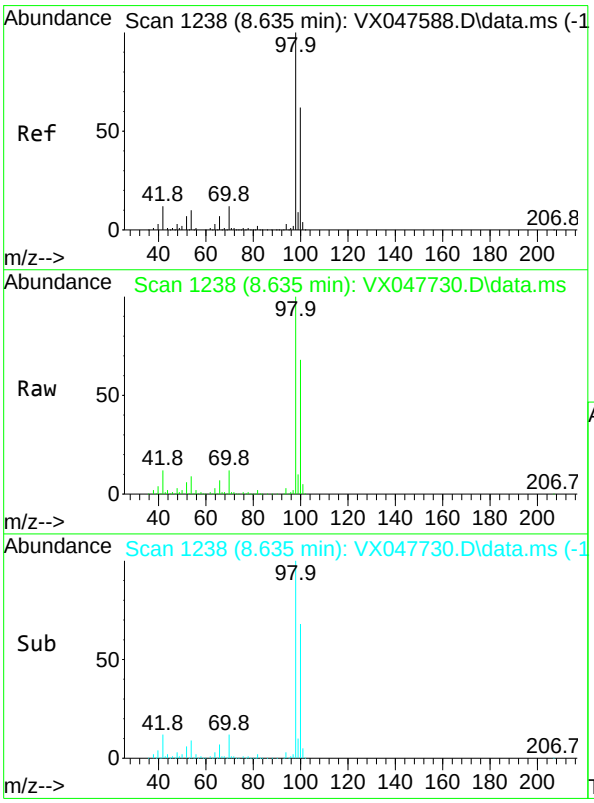

#40
Benzene
Concen: 0.761 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion: 78 Resp: 6765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 19.7 | 18.8 | 28.2 |

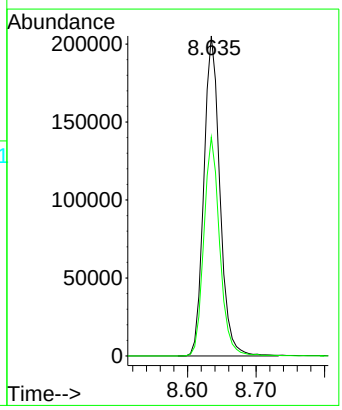


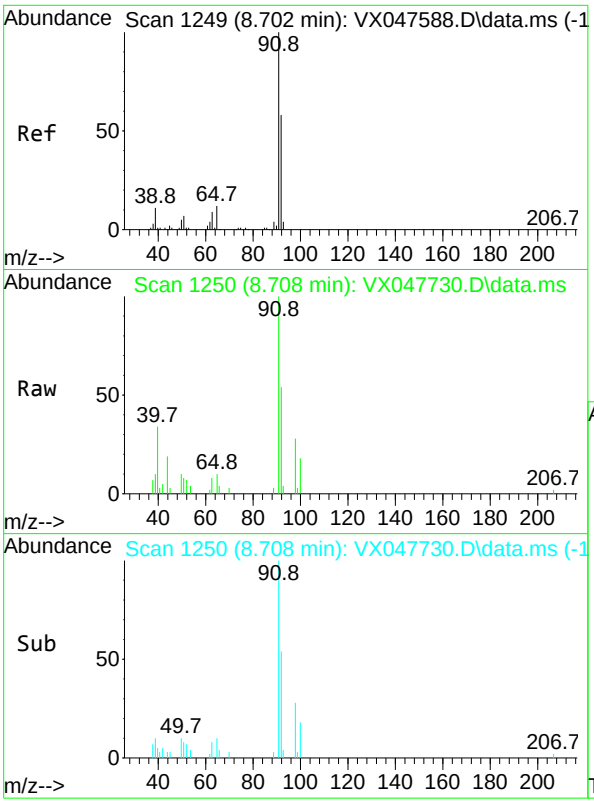




#50
Toluene-d8
Concen: 48.293 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion: 98 Resp: 334878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.6 | 53.0 | 79.4 |



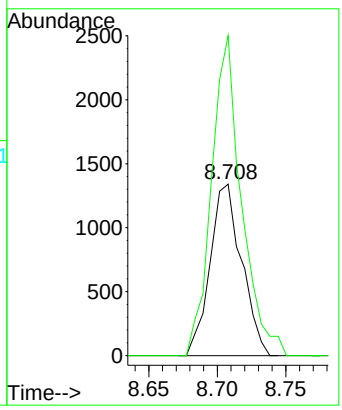


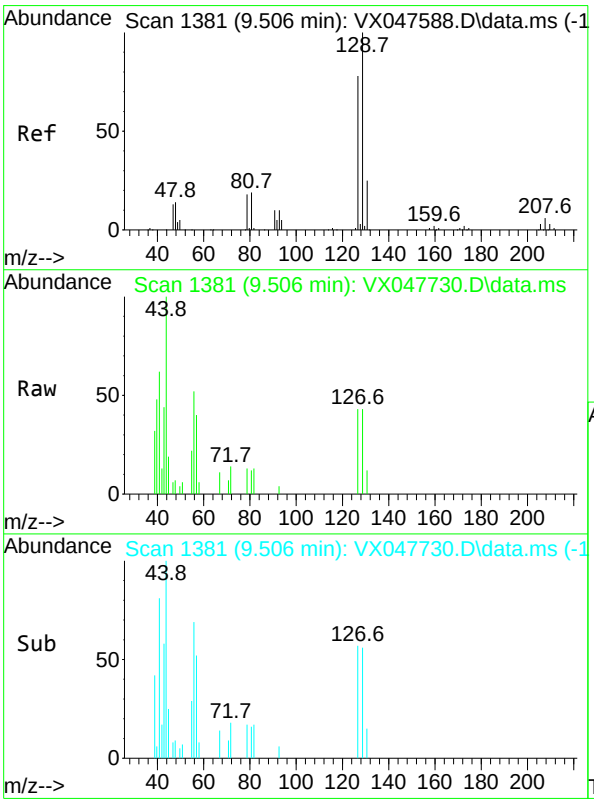

#52
Toluene
Concen: 0.393 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion: 92 Resp: 2151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 176.9 | 137.1 | 205.7 |

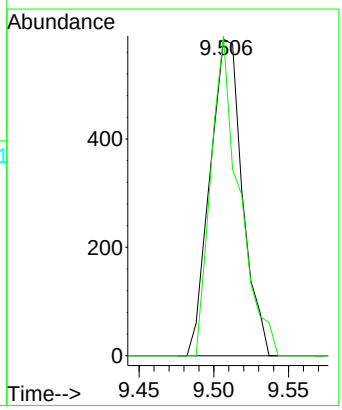


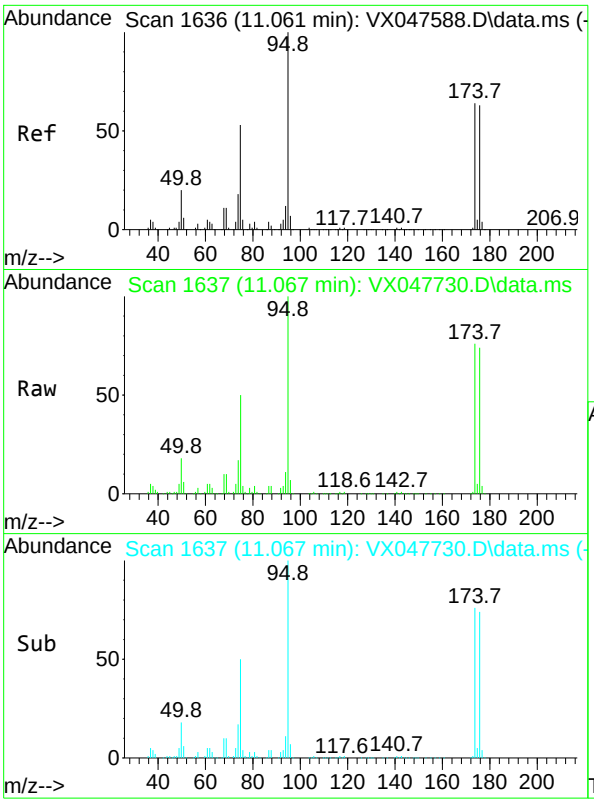




#60
Dibromochloromethane
Concen: 0.362 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion:129 Resp: 881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 88.2 | 38.4 | 115.2 |



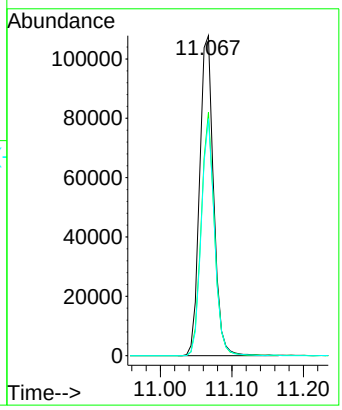


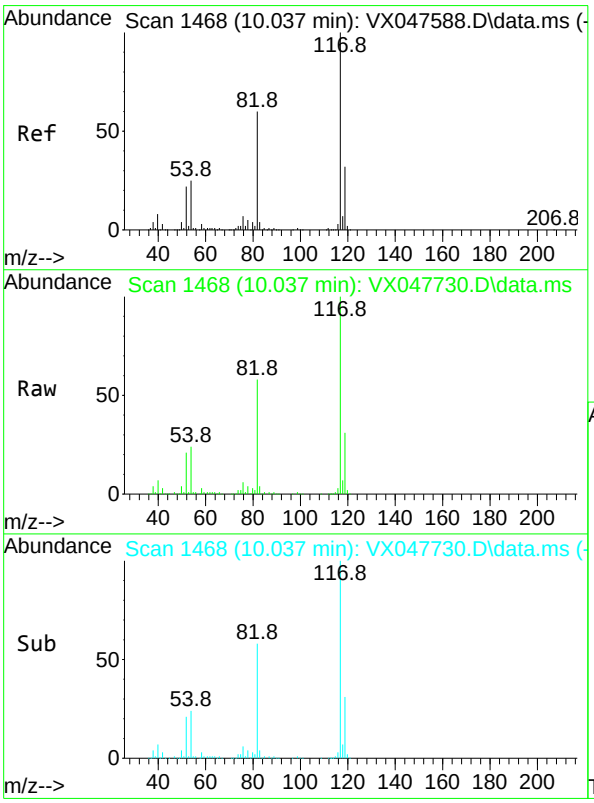

#62
4-Bromofluorobenzene
Concen: 55.631 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion: 95 Resp: 146404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.8 | 0.0 | 141.6 |
| 176 | 70.1 | 0.0 | 138.4 |

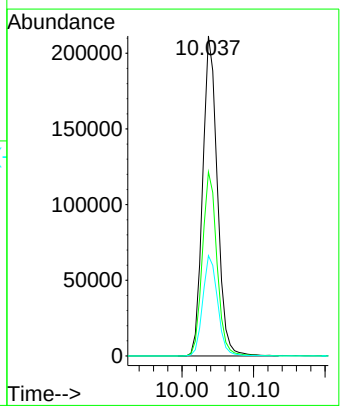


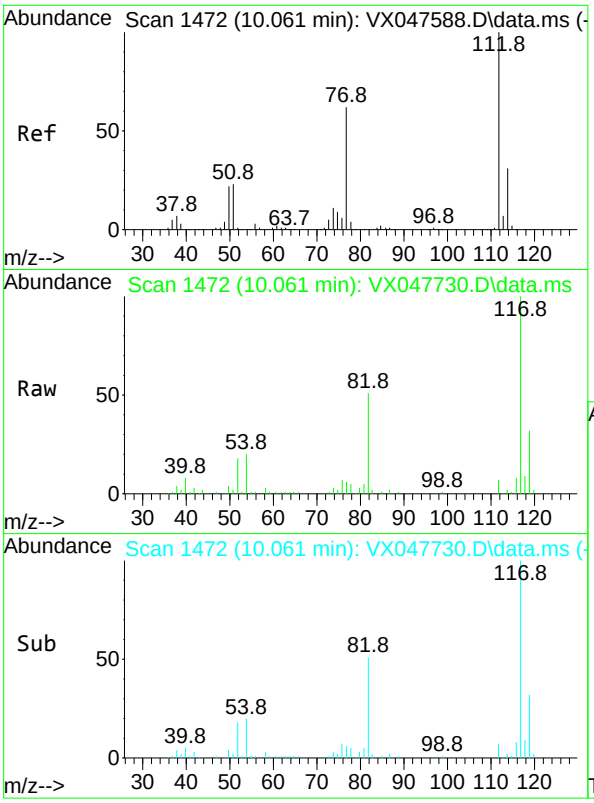




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion:117 Resp: 301046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.5 | 47.8 | 71.6 |
| 119 | 31.4 | 25.2 | 37.8 |



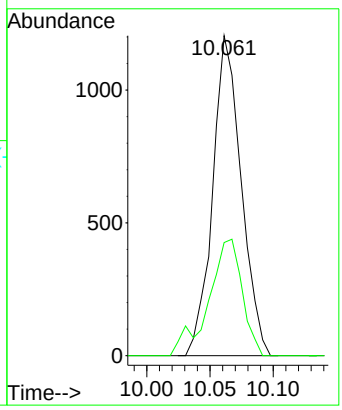


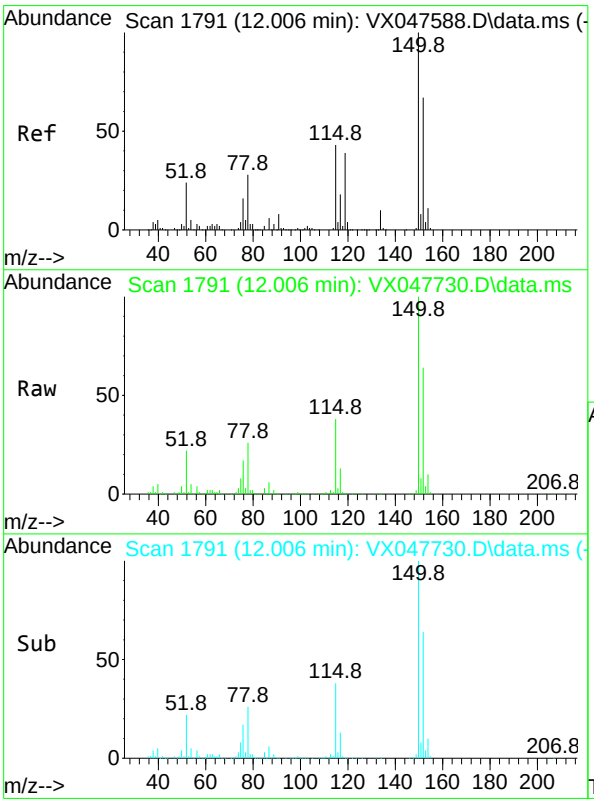

#65
Chlorobenzene
Concen: 0.277 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Tgt Ion:112 Resp: 1894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.3 | 25.1 | 37.7 |

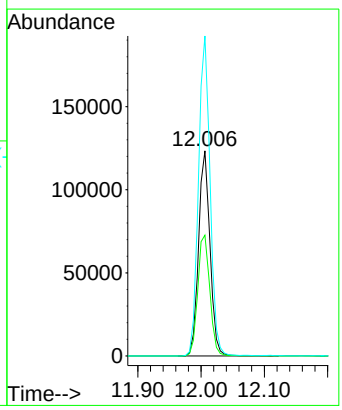



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047730.D
Acq: 23 Sep 2025 14:07

Tgt Ion:152 Resp: 155521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.0 | 44.9 | 134.5 |
| 150 | 158.7 | 0.0 | 352.0 |



Sample Results: **VX047730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047730.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.148 | 8 | 10 | 21 | rVB2 | 14701 | 21285 | 2.19% | 0.390% |
| 2 | 1.459 | 57 | 61 | 70 | rBV | 18640 | 25249 | 2.59% | 0.463% |
| 3 | 2.380 | 206 | 212 | 222 | rVB | 7799 | 15237 | 1.57% | 0.279% |
| 4 | 5.080 | 646 | 655 | 666 | rBV3 | 4359 | 13451 | 1.38% | 0.247% |
| 5 | 5.373 | 692 | 703 | 720 | rBV3 | 98283 | 316271 | 32.49% | 5.799% |
| 6 | 5.538 | 720 | 730 | 754 | rVB | 137433 | 434914 | 44.68% | 7.974% |
| 7 | 5.946 | 786 | 797 | 809 | rBV | 107514 | 319987 | 32.87% | 5.867% |
| 8 | 6.745 | 918 | 928 | 948 | rBV | 267922 | 710523 | 72.99% | 13.027% |
| 9 | 8.635 | 1231 | 1238 | 1247 | rBV | 555390 | 906051 | 93.08% | 16.612% |
| 10 | 8.702 | 1247 | 1249 | 1259 | rVB2 | 7571 | 12467 | 1.28% | 0.229% |
| 11 | 9.506 | 1375 | 1381 | 1391 | rBV2 | 7658 | 14979 | 1.54% | 0.275% |
| 12 | 10.037 | 1462 | 1468 | 1485 | rBV | 658552 | 949631 | 97.56% | 17.411% |
| 13 | 11.067 | 1631 | 1637 | 1649 | rBV | 509569 | 693678 | 71.26% | 12.718% |
| 14 | 12.006 | 1785 | 1791 | 1800 | rBV | 745650 | 973421 | 100.00% | 17.847% |
| 15 | 12.201 | 1819 | 1823 | 1831 | rBV | 6396 | 10399 | 1.07% | 0.191% |
| 16 | 12.835 | 1923 | 1927 | 1934 | rBV2 | 12313 | 16639 | 1.71% | 0.305% |
| 17 | 14.701 | 2229 | 2233 | 2240 | rVB5 | 6323 | 9998 | 1.03% | 0.183% |
| 18 | 15.670 | 2386 | 2392 | 2399 | rBV6 | 4728 | 10086 | 1.04% | 0.185% |

Sum of corrected areas: 5454266

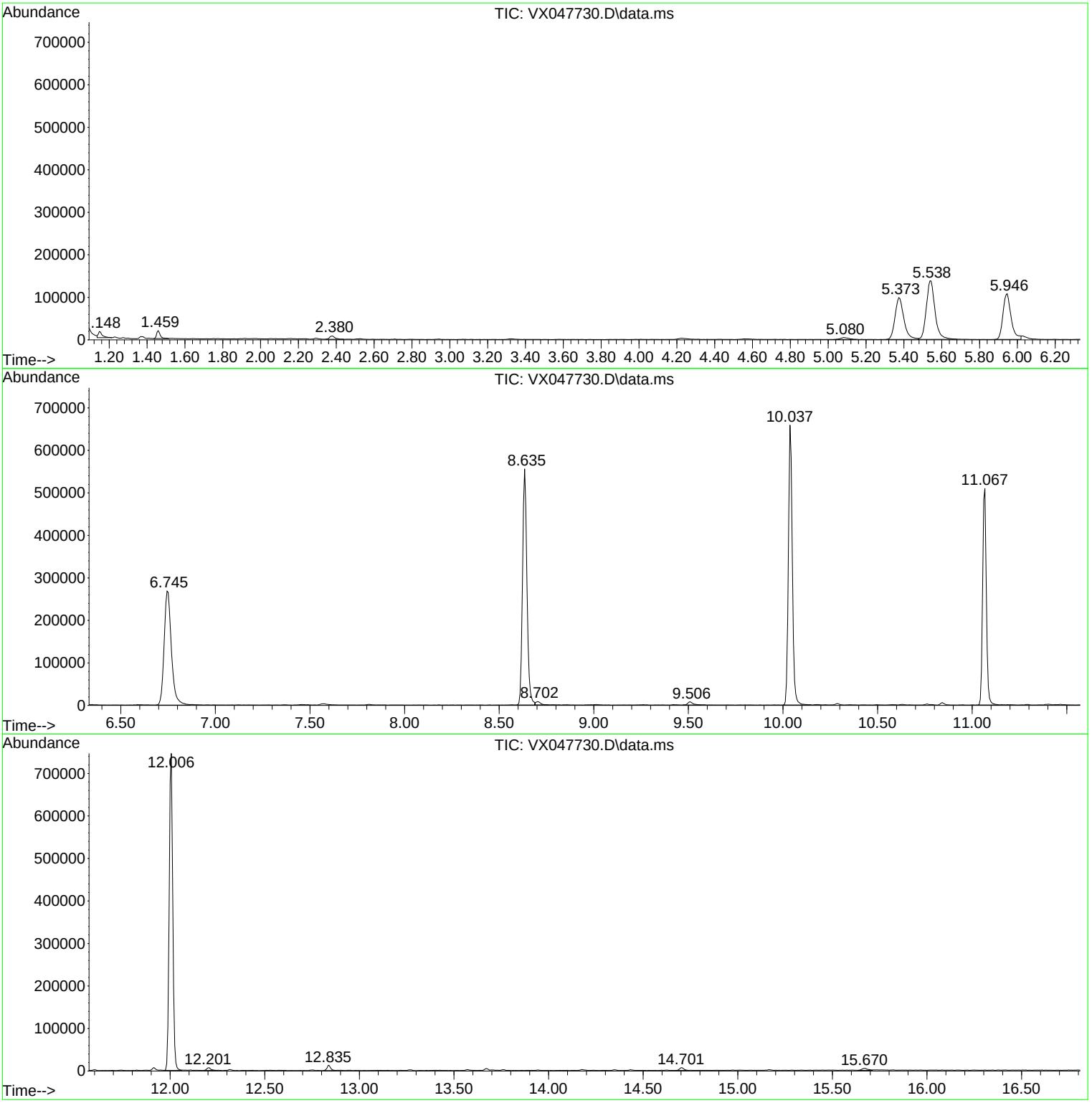
Sample Results: **VX047730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

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

Sample Results: **VX047730.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047730.D
Acq On : 23 Sep 2025 14:07
Operator : JC/MD
Sample : Q3141-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-60-62

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047760.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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-100-102 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047760.D | 1 | 09/24/25 08:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 10.9 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.67 | J | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.94 | J | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.35 | J | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.34 | J | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047760.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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-100-102 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047760.D | 1 | 09/24/25 08:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.45 | J | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.26 | J | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 56.9 | | 81 - 118 | | 114% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 56.6 | | 80 - 119 | | 113% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 55.0 | | 89 - 112 | | 110% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 56.2 | | 85 - 114 | | 112% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 165000 | 5.537 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 300000 | 6.745 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 277000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 136000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047760.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: | 09/17/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-100-102 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047760.D | 1 | 09/24/25 08:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Quant Time: Sep 24 08:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

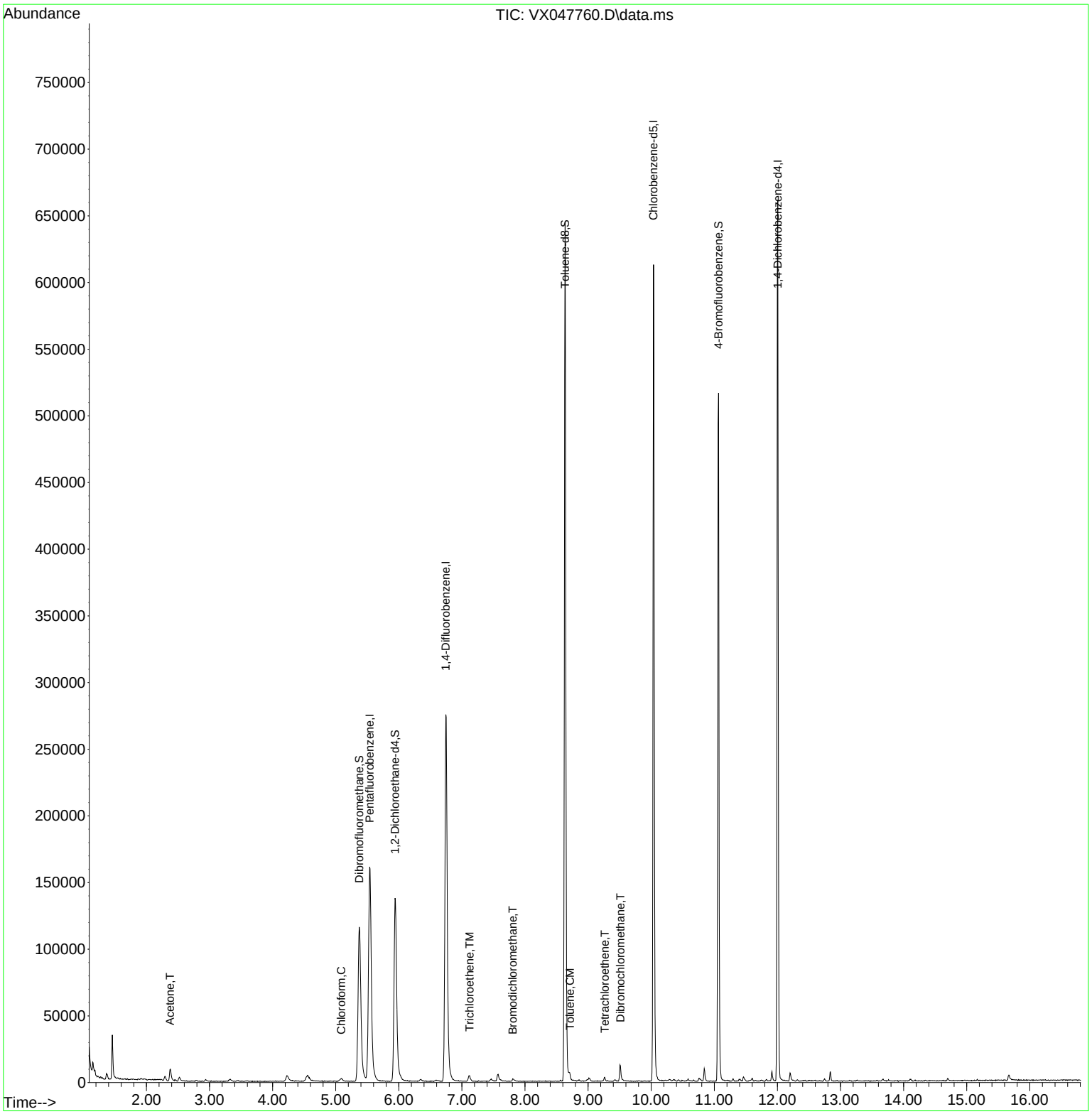
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 165497 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 300349 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 276860 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 136496 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 149951 | 56.923 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 113.840% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 113994 | 56.592 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 113.180% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 383307 | 54.995 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 109.980% | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 148783 | 56.246 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 112.500% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.373 | 43 | 12472 | 10.889 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 2823 | 0.668 | ug/l | 95 |
| 44) Trichloroethene | 7.123 | 130 | 2022 | 0.936 | ug/l | 88 |
| 47) Bromodichloromethane | 7.805 | 83 | 1217 | 0.354 | ug/l # | 94 |
| 52) Toluene | 8.714 | 92 | 1845 | 0.335 | ug/l | 98 |
| 60) Dibromochloromethane | 9.512 | 129 | 1095 | 0.447 | ug/l | 96 |
| 64) Tetrachloroethene | 9.262 | 164 | 474 | 0.263 | ug/l # | 87 |

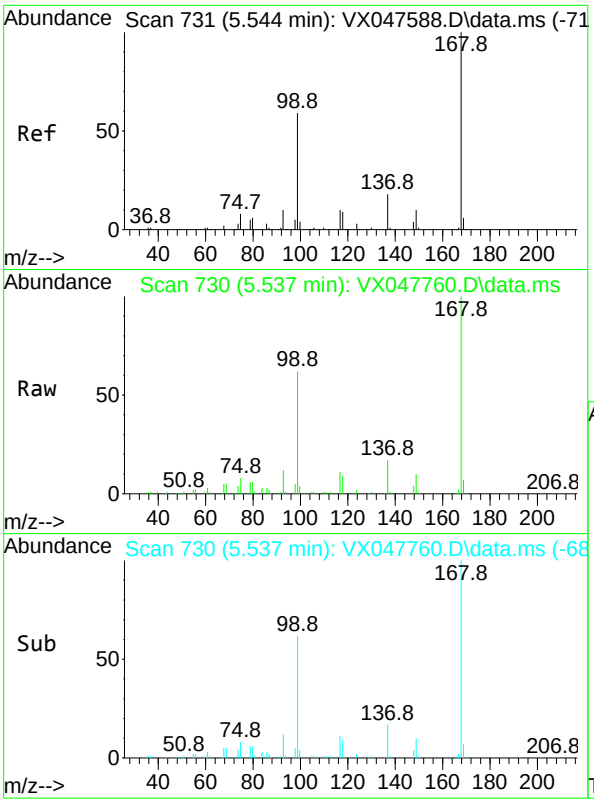
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Quant Time: Sep 24 08:43:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



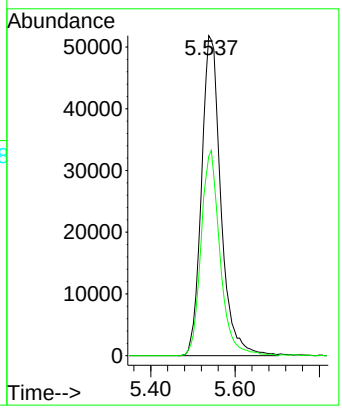


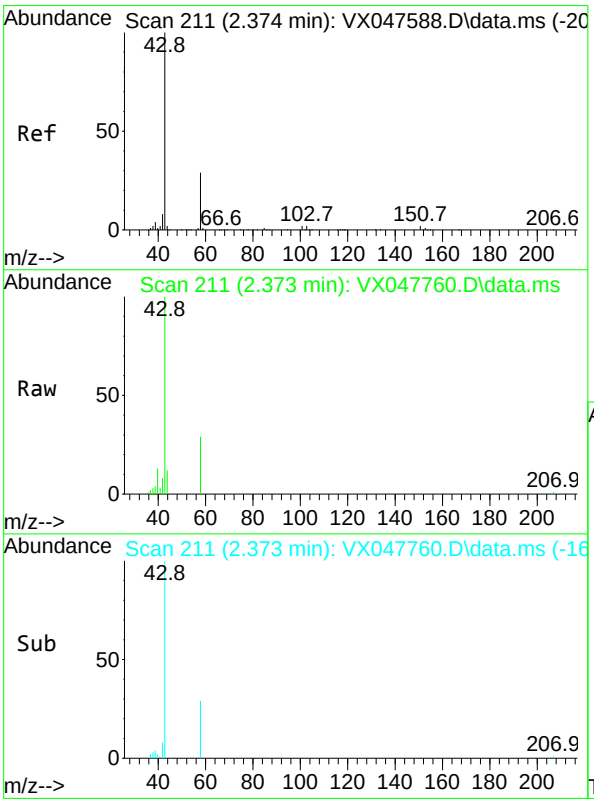

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:168 Resp: 165497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 48.8 | 73.2 |

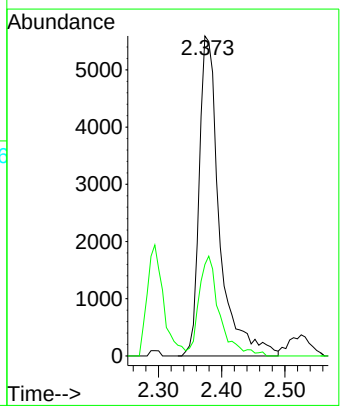


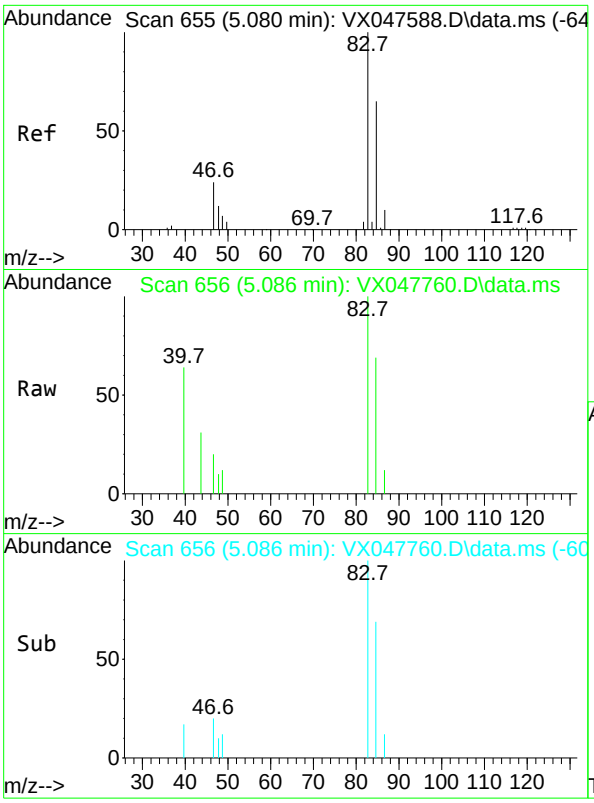




#16
Acetone
Concen: 10.889 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 43 Resp: 12472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.6 | 23.4 | 35.0 |



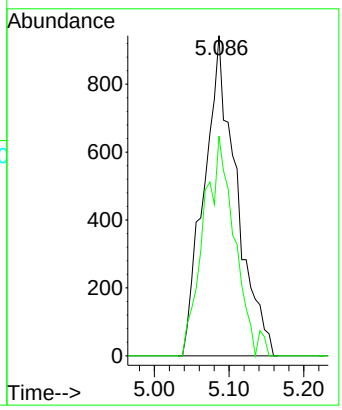


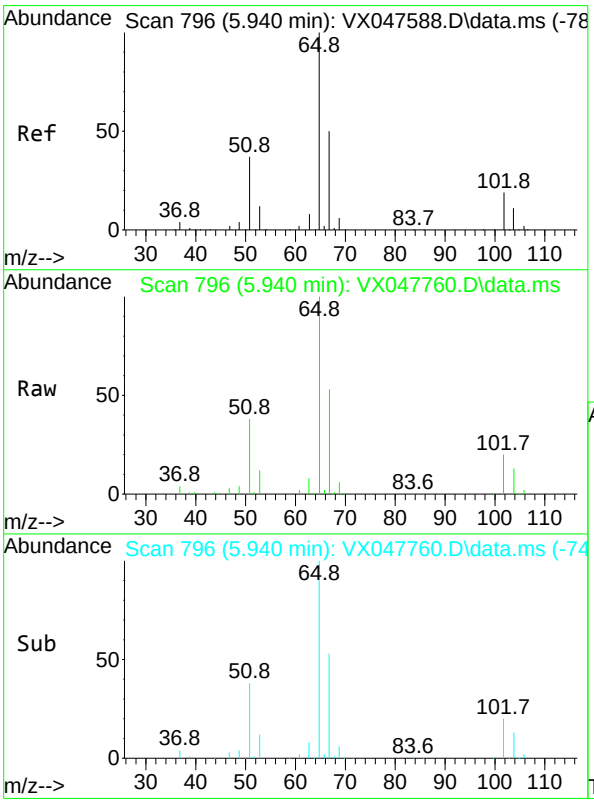

#30
Chloroform
Concen: 0.668 ug/l
RT: 5.086 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion: 83 Resp: 2823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.6 | 51.8 | 77.6 |

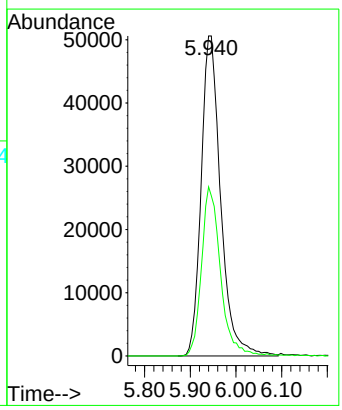


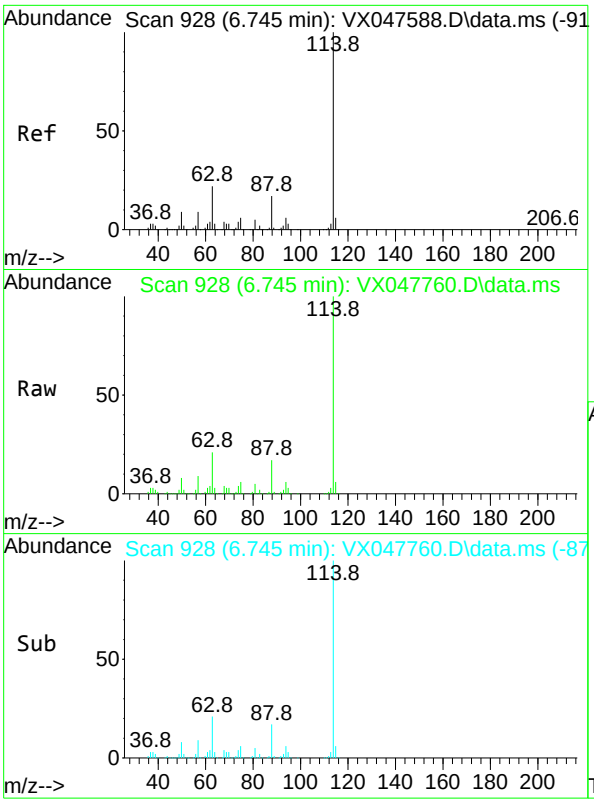




#33
1,2-Dichloroethane-d4
Concen: 56.923 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 65 Resp: 149951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 103.0 |



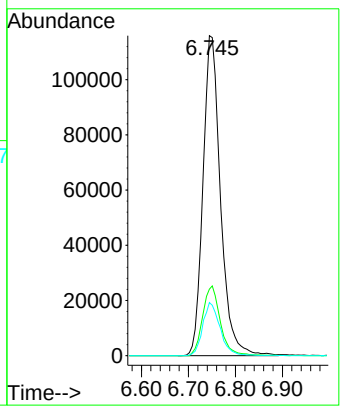


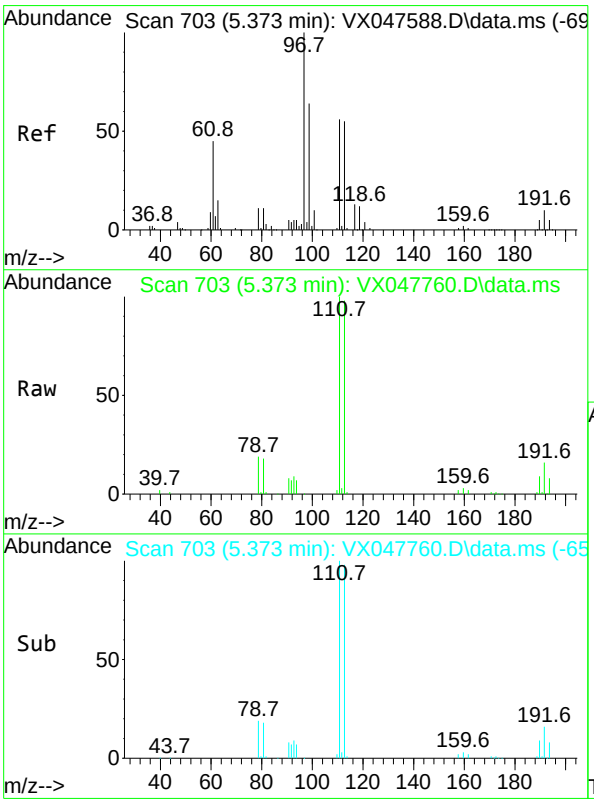

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:114 Resp: 300349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.8 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 34.2 |

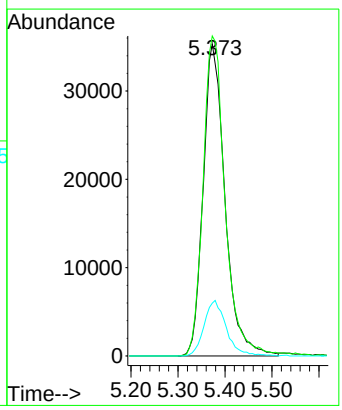


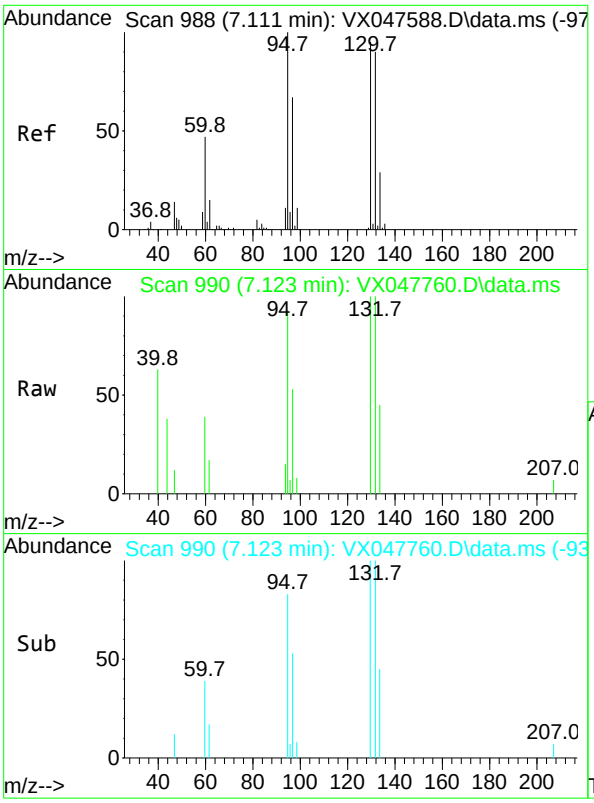




#35
Dibromofluoromethane
Concen: 56.592 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion:113 Resp: 113994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.3 | 80.9 | 121.3 |
| 192 | 18.1 | 14.2 | 21.4 |



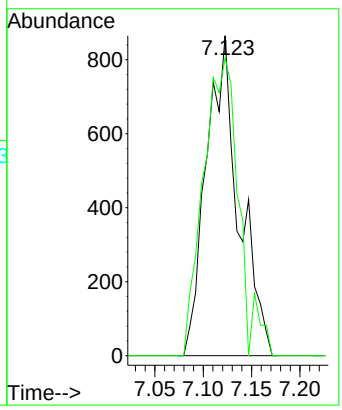


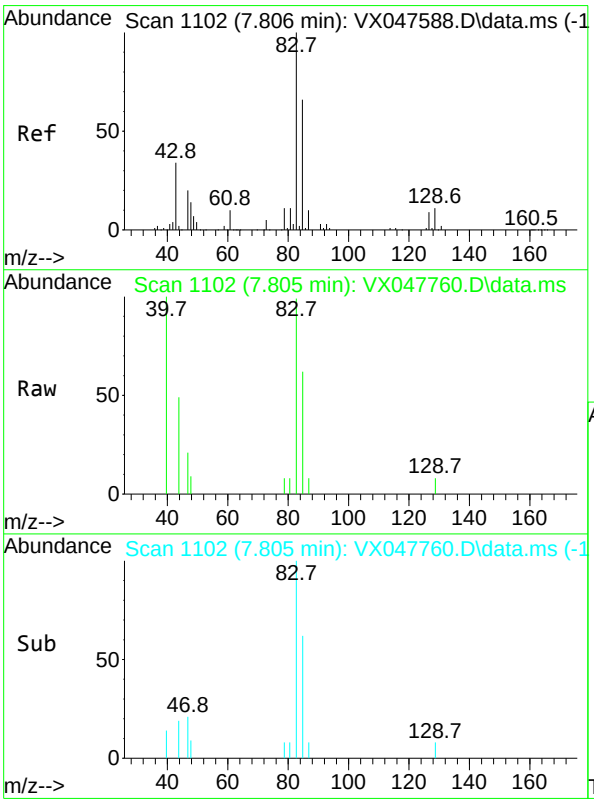

#44
Trichloroethene
Concen: 0.936 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:130 Resp: 2022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 93.1 | 0.0 | 210.8 |

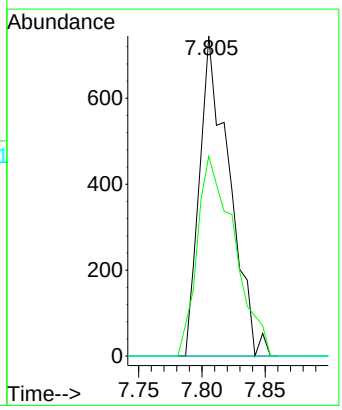


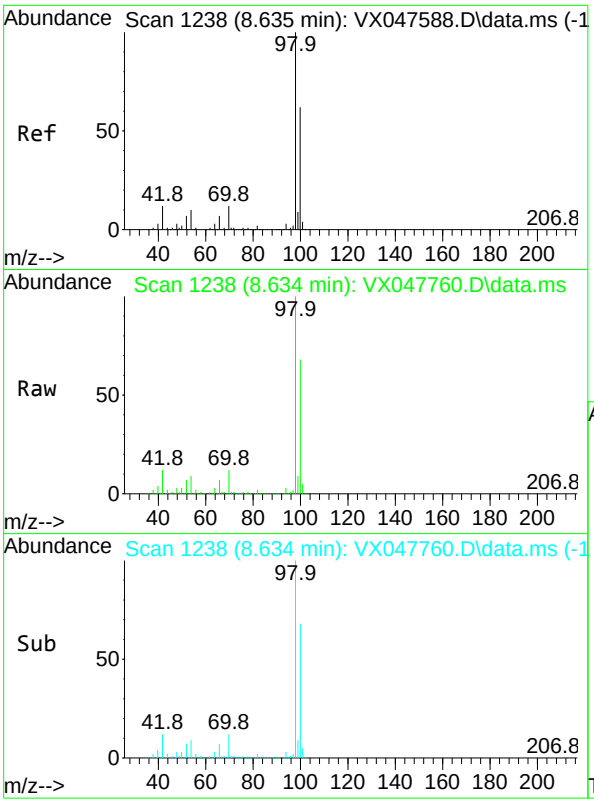




#47
Bromodichloromethane
Concen: 0.354 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 83 Resp: 1217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 52.5 | 78.7 |
| 127 | 0.0 | 6.9 | 10.3# |



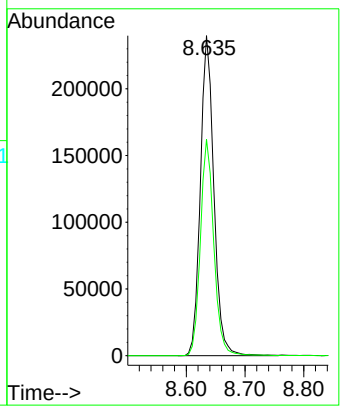


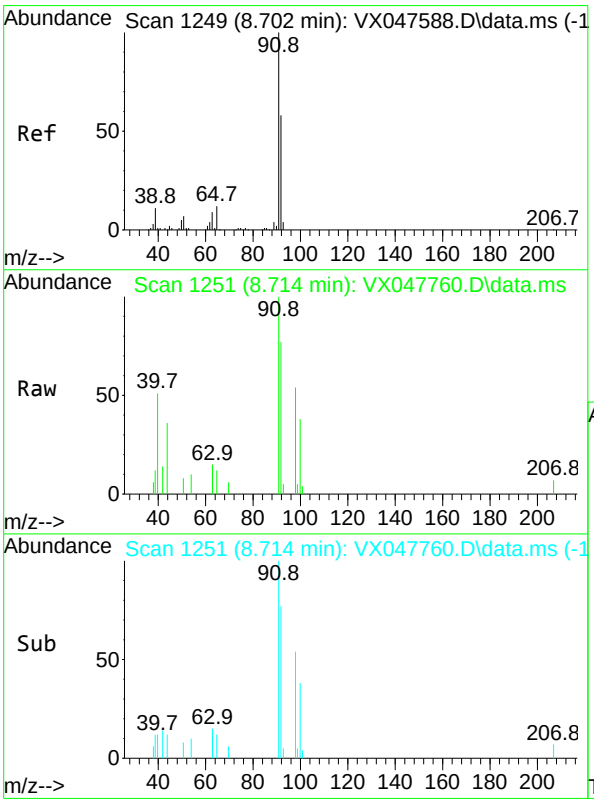

#50
Toluene-d8
Concen: 54.995 ug/l
RT: 8.634 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion: 98 Resp: 383307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |

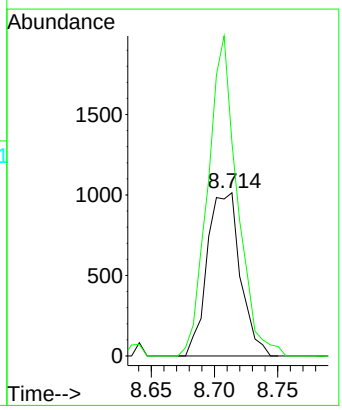


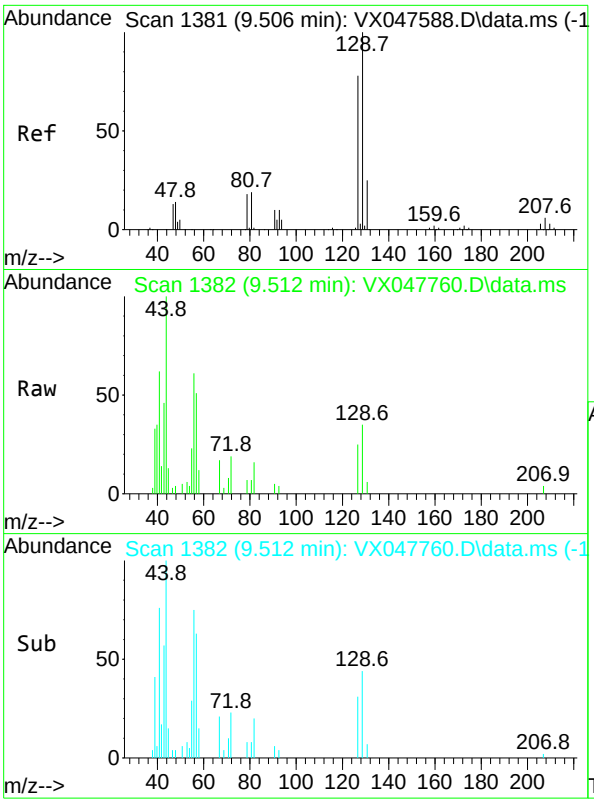




#52
Toluene
Concen: 0.335 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.012 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 92 Resp: 1845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 174.4 | 137.1 | 205.7 |



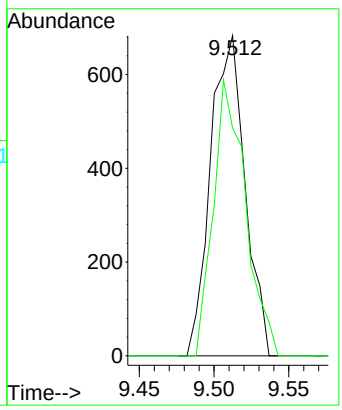


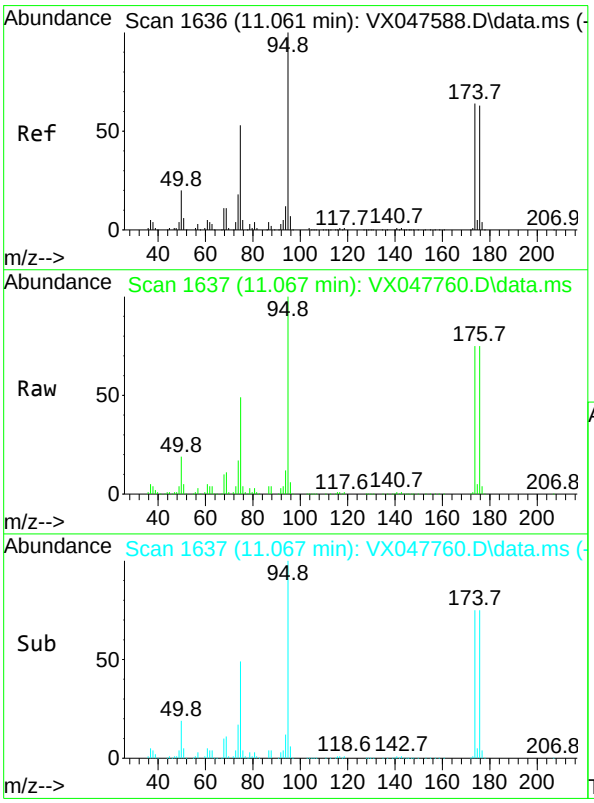

#60
Dibromochloromethane
Concen: 0.447 ug/l
RT: 9.512 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:129 Resp: 1095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 80.3 | 38.4 | 115.2 |

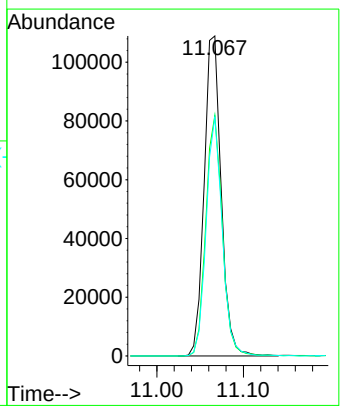


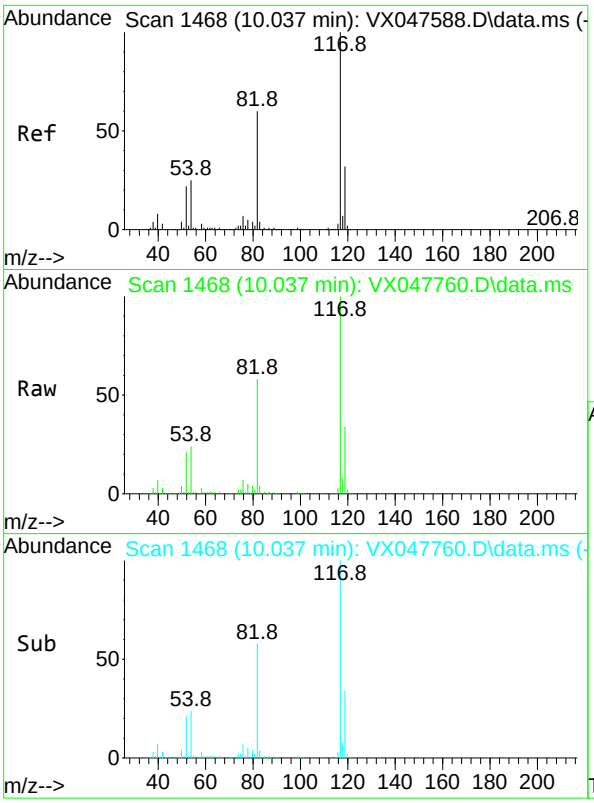




#62
4-Bromofluorobenzene
Concen: 56.246 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion: 95 Resp: 148783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.1 | 0.0 | 141.6 |
| 176 | 70.8 | 0.0 | 138.4 |



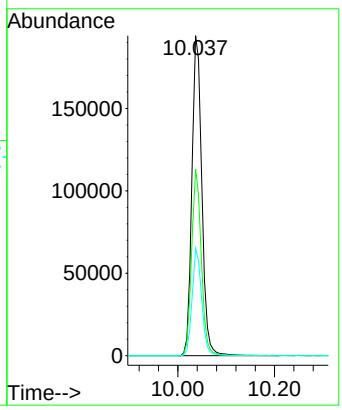


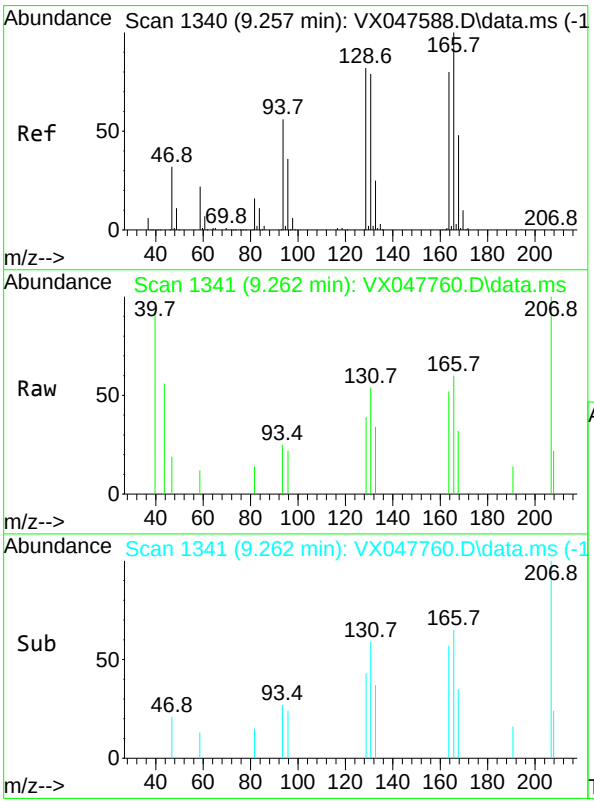

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:117 Resp: 276860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.3 | 47.8 | 71.6 |
| 119 | 33.6 | 25.2 | 37.8 |

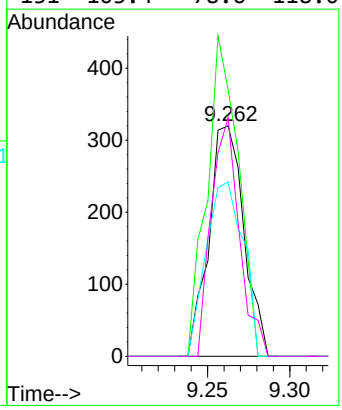


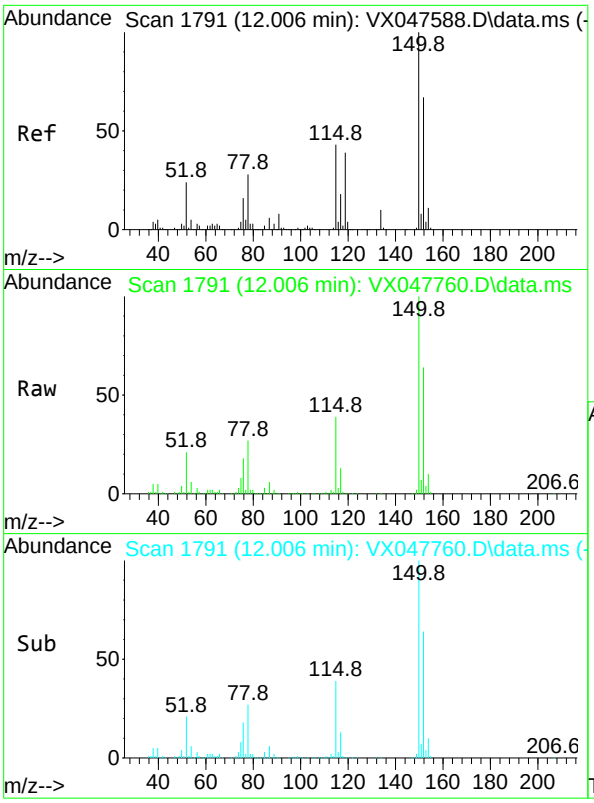




#64
Tetrachloroethene
Concen: 0.263 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

Tgt Ion:164 Resp: 474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 115.6 | 100.2 | 150.2 |
| 129 | 75.6 | 81.8 | 122.6# |
| 131 | 103.4 | 78.6 | 118.0 |



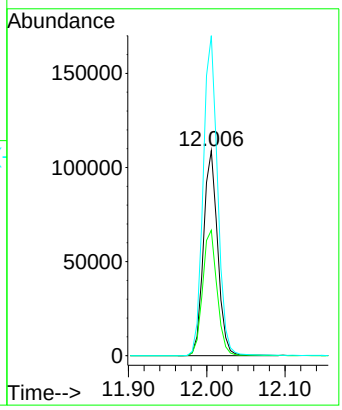



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047760.D
Acq: 24 Sep 2025 08:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Tgt Ion:152 Resp: 136496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.6 | 44.9 | 134.5 |
| 150 | 159.0 | 0.0 | 352.0 |



Sample Results: **VX047760.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047760.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.459 | 57 | 61 | 71 | rBV | 33052 | 42955 | 4.17% | 0.768% |
| 2 | 2.380 | 205 | 212 | 221 | rBV | 8815 | 18149 | 1.76% | 0.324% |
| 3 | 4.227 | 507 | 515 | 525 | rBV5 | 4236 | 13176 | 1.28% | 0.235% |
| 4 | 4.550 | 558 | 568 | 580 | rBV6 | 4403 | 17249 | 1.68% | 0.308% |
| 5 | 5.373 | 690 | 703 | 720 | rBV3 | 115732 | 372558 | 36.20% | 6.657% |
| 6 | 5.537 | 720 | 730 | 753 | rVB2 | 160221 | 505583 | 49.13% | 9.034% |
| 7 | 5.940 | 787 | 796 | 815 | rBV | 137338 | 404503 | 39.31% | 7.228% |
| 8 | 6.745 | 918 | 928 | 946 | rBV | 275133 | 716392 | 69.62% | 12.801% |
| 9 | 7.123 | 982 | 990 | 999 | rVB7 | 4306 | 10792 | 1.05% | 0.193% |
| 10 | 7.574 | 1059 | 1064 | 1070 | rBV3 | 5007 | 10630 | 1.03% | 0.190% |
| 11 | 8.635 | 1232 | 1238 | 1247 | rBV | 643554 | 1029065 | 100.00% | 18.388% |
| 12 | 9.506 | 1376 | 1381 | 1391 | rBV | 12170 | 20635 | 2.01% | 0.369% |
| 13 | 10.037 | 1462 | 1468 | 1484 | rBV | 612189 | 862312 | 83.80% | 15.408% |
| 14 | 10.841 | 1596 | 1600 | 1609 | rVB3 | 9308 | 12933 | 1.26% | 0.231% |
| 15 | 11.067 | 1631 | 1637 | 1648 | rBV | 516153 | 705075 | 68.52% | 12.599% |
| 16 | 12.006 | 1785 | 1791 | 1805 | rBV | 660565 | 854350 | 83.02% | 15.266% |

Sum of corrected areas: 5596357

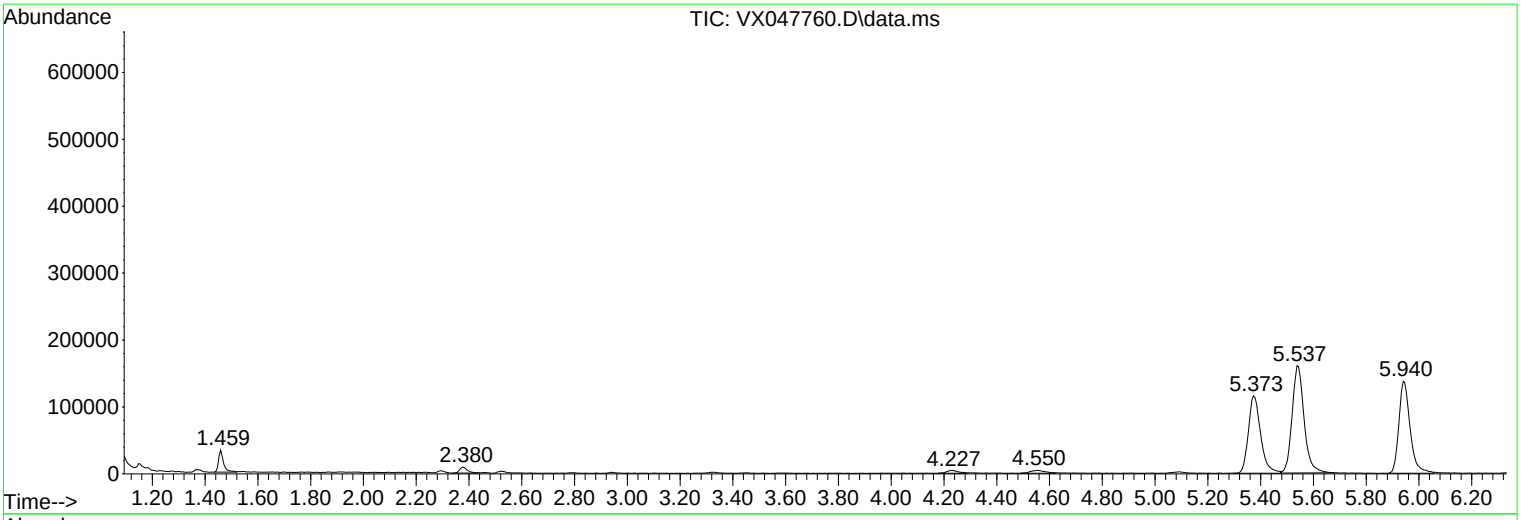
Sample Results: **VX047760.D**

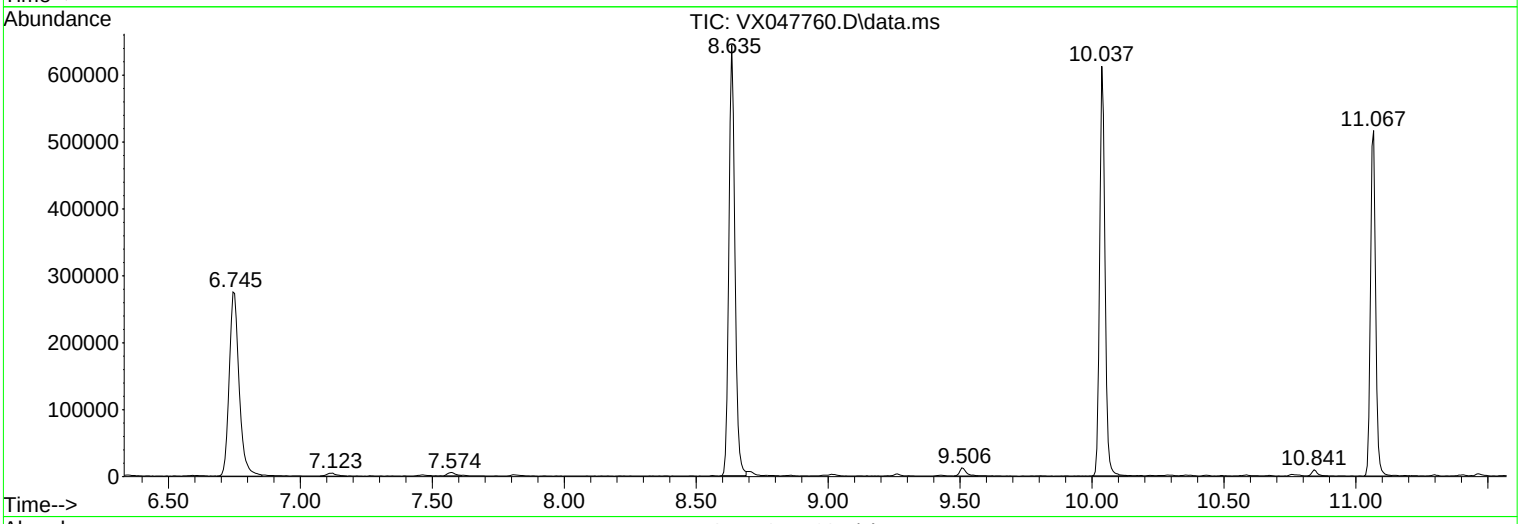
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

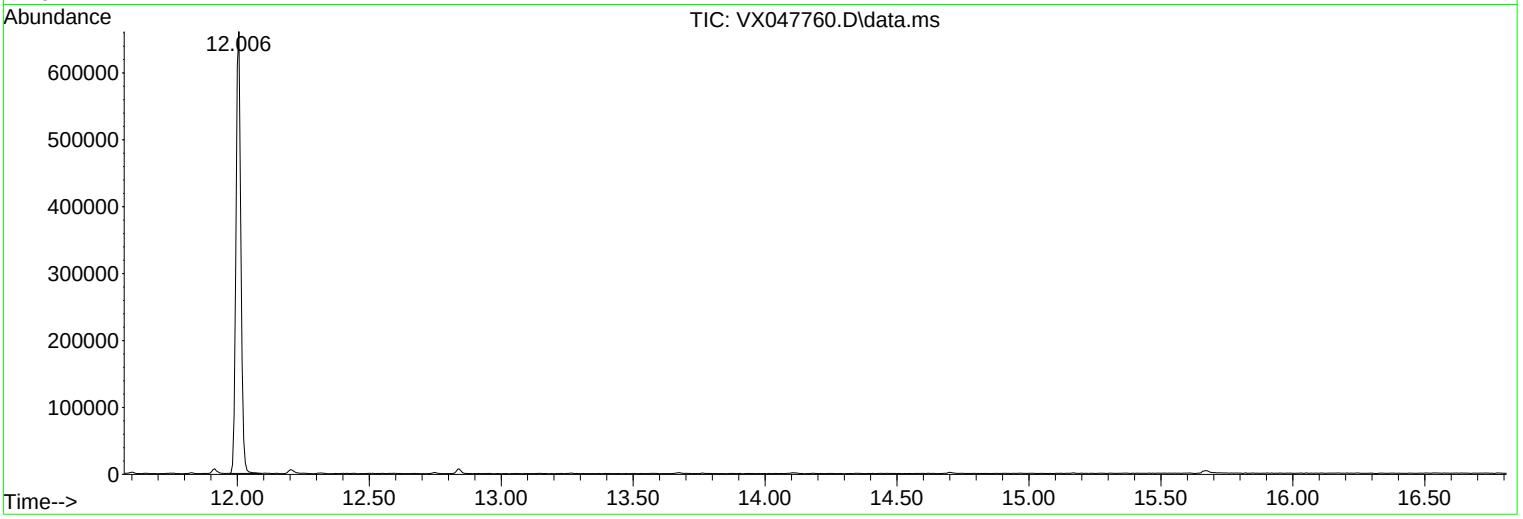
**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047760.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047760.D
Acq On : 24 Sep 2025 08:22
Operator : JC/MD
Sample : Q3141-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-100-102

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-150-152 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-05 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047732.D | 1 | 09/23/25 14:49 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 6.40 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.37 | J | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.60 | J | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-150-152 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-05 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047732.D | 1 | 09/23/25 14:49 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.8 | | 81 - 118 | | 102% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.4 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.7 | | 89 - 112 | | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.6 | | 85 - 114 | | 109% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 145000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 301000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 306000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 153000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047732.D**

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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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-150-152 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-05 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047732.D | 1 | 09/23/25 14:49 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Quant Time: Sep 24 01:33:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

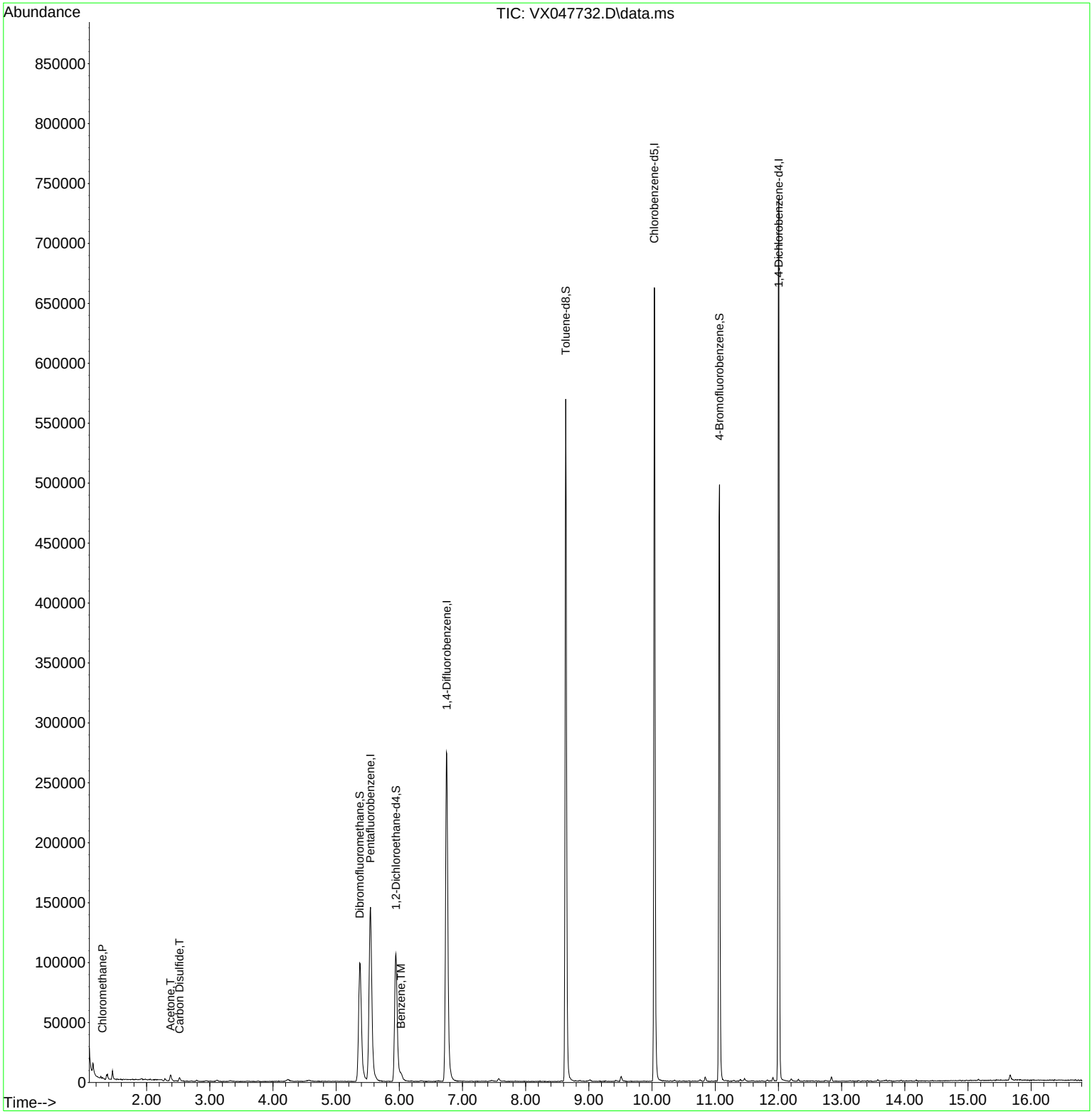
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 145260 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 301134 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 306124 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 153459 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 117435 | 50.790 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 101.580% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 97767 | 48.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.820% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 340540 | 48.731 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 97.460% | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 144734 | 54.573 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 109.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.301 | 50 | 563 | 0.285 | ug/l # | 83 |
| 16) Acetone | 2.380 | 43 | 6460 | 6.426 | ug/l | 96 |
| 17) Carbon Disulfide | 2.520 | 76 | 1735 | 0.367 | ug/l | 96 |
| 40) Benzene | 6.025 | 78 | 5391 | 0.601 | ug/l | 98 |

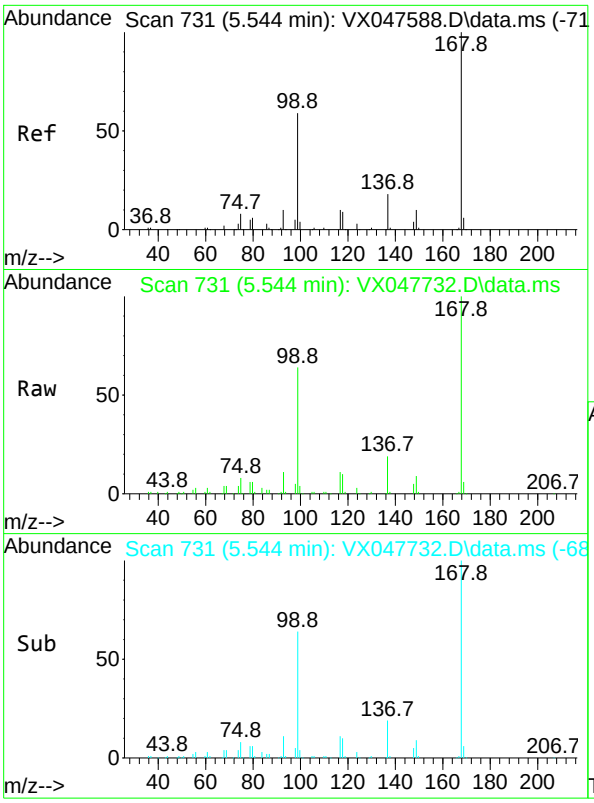
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Quant Time: Sep 24 01:33:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



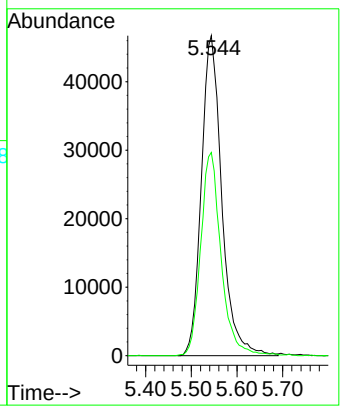


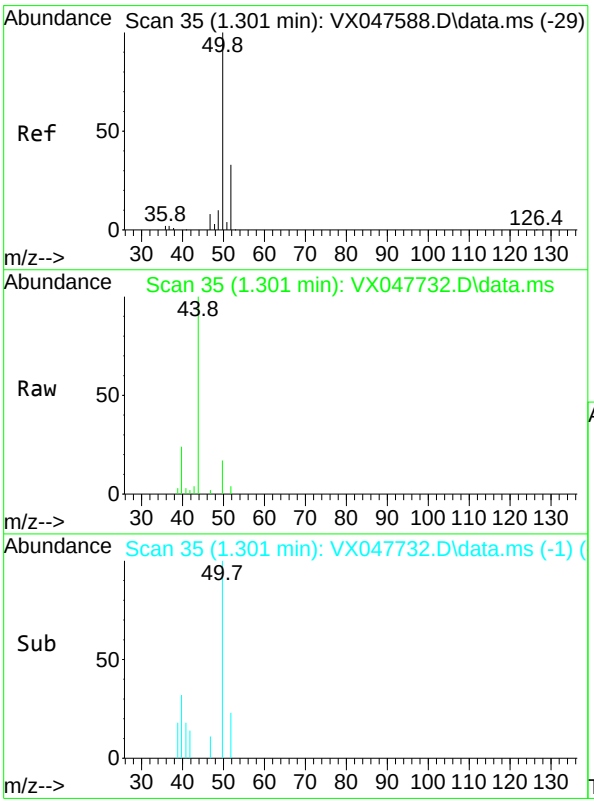

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion:168 Resp: 145260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.4 | 48.8 | 73.2 |

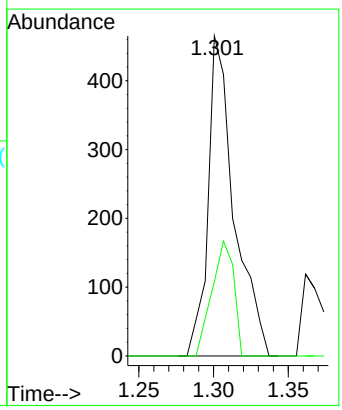


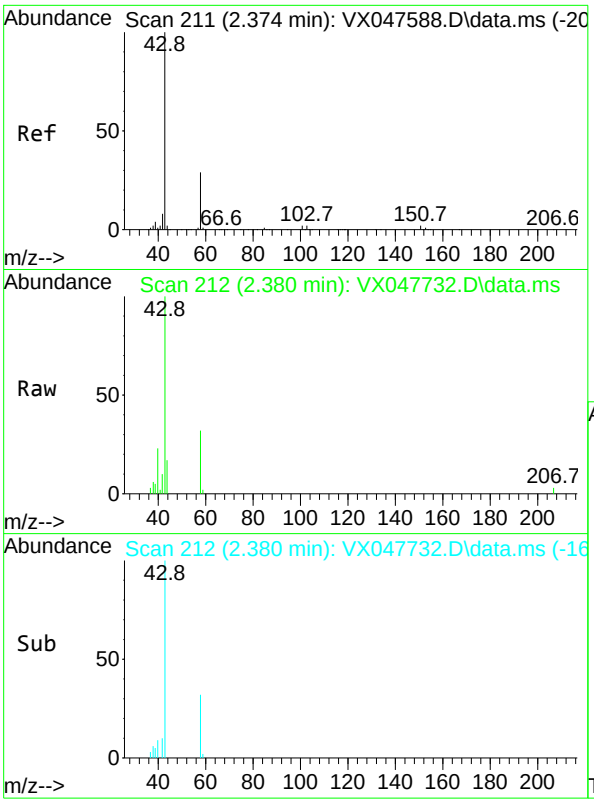




#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion: 50 Resp: 563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 23.2 | 26.1 | 39.1# |



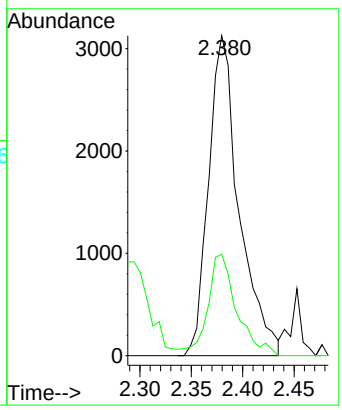


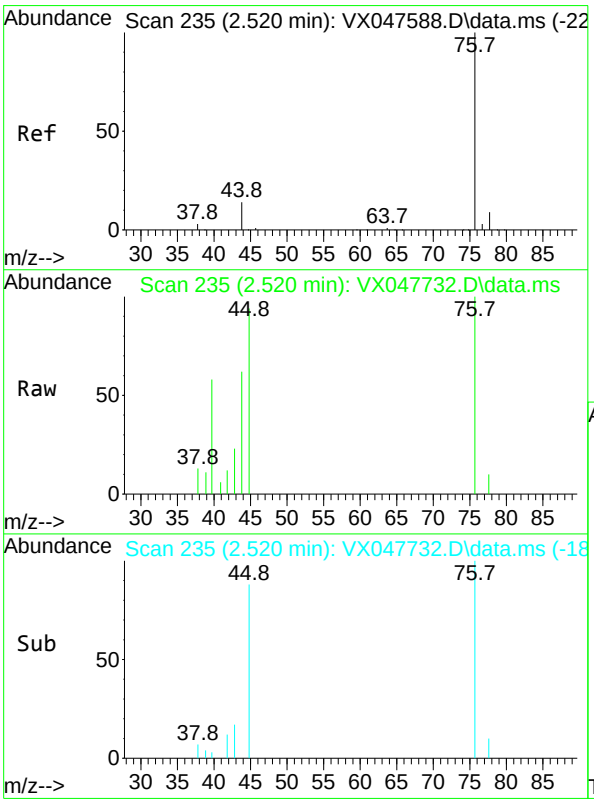

#16
Acetone
Concen: 6.426 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion: 43 Resp: 6460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.1 | 23.4 | 35.0 |

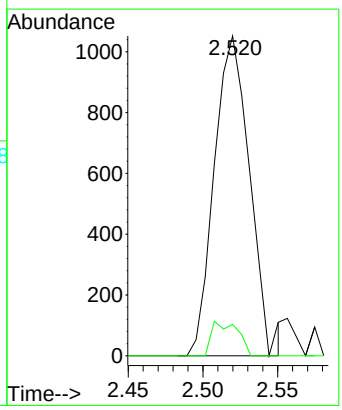


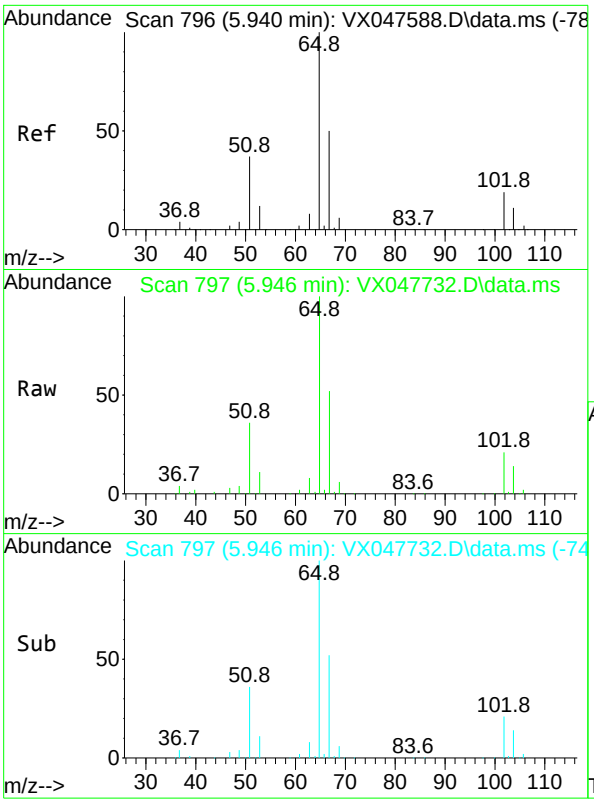




#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion: 76 Resp: 1735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.8 | 6.8 | 10.2 |



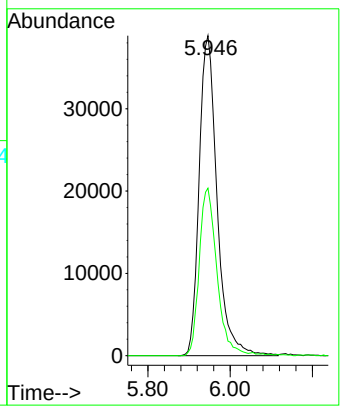


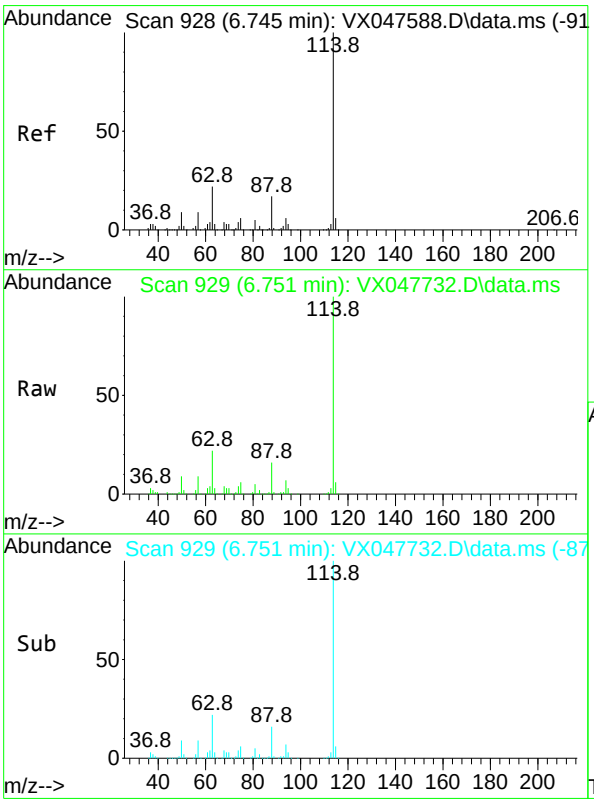

#33
1,2-Dichloroethane-d4
Concen: 50.790 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion: 65 Resp: 117435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 103.0 |

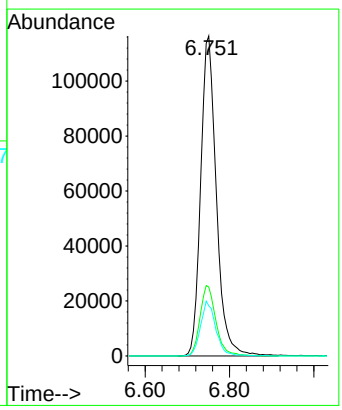


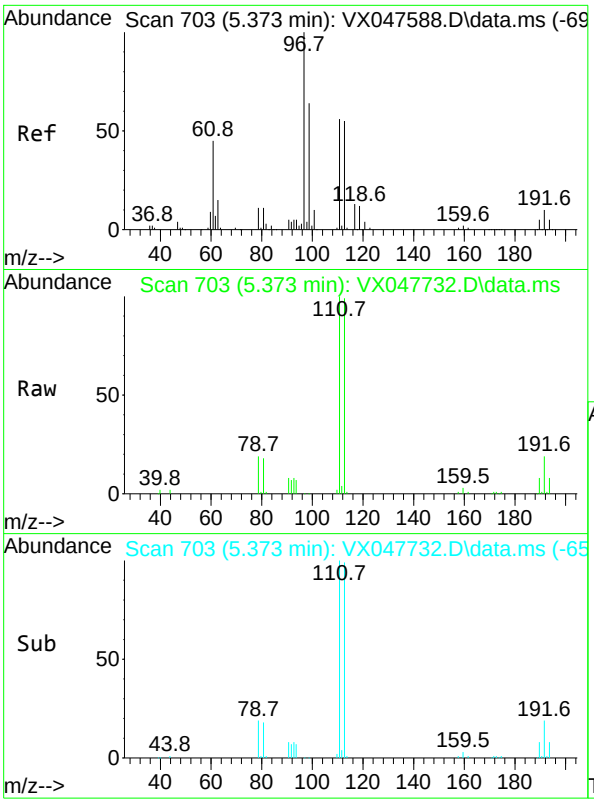




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion:114 Resp: 301134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 44.0 |
| 88 | 15.7 | 0.0 | 34.2 |



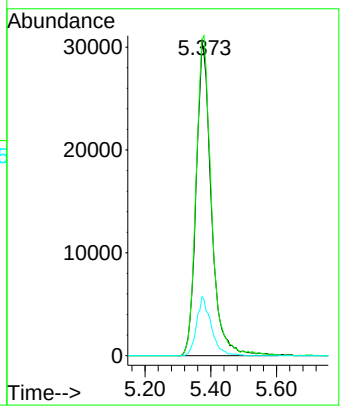


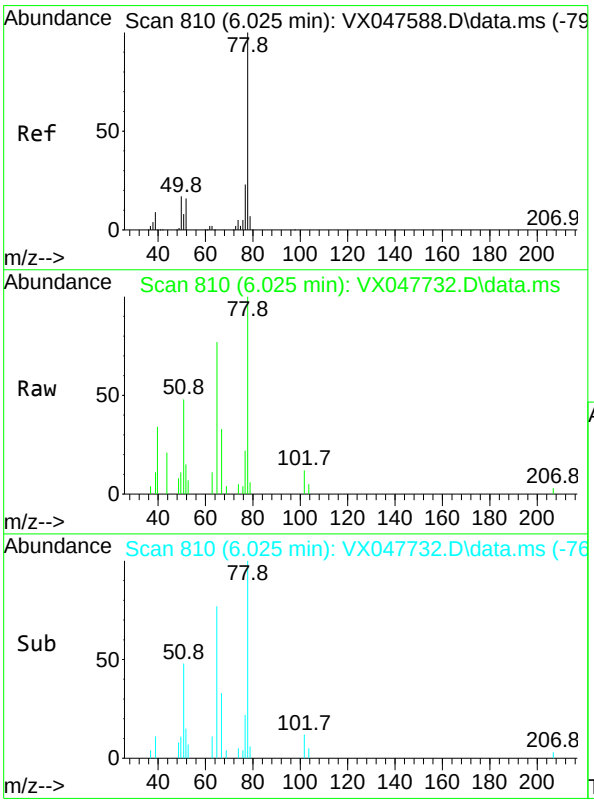

#35
Dibromofluoromethane
Concen: 48.410 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion:113 Resp: 97767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |

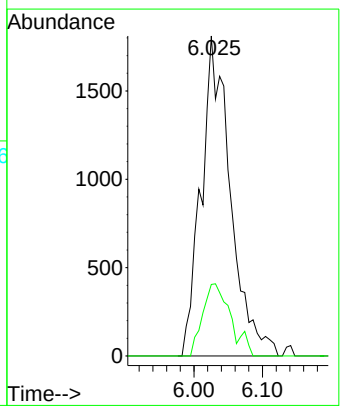


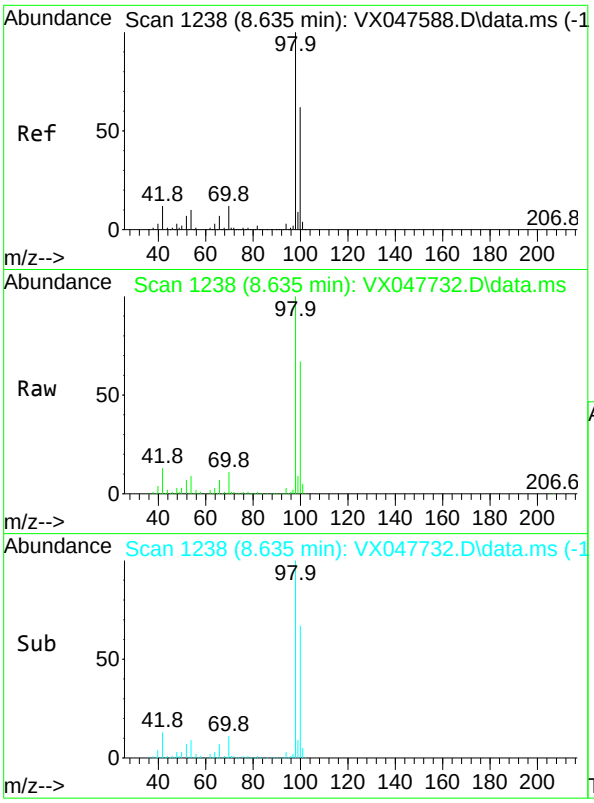




#40
Benzene
Concen: 0.601 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion: 78 Resp: 5391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.4 | 18.8 | 28.2 |



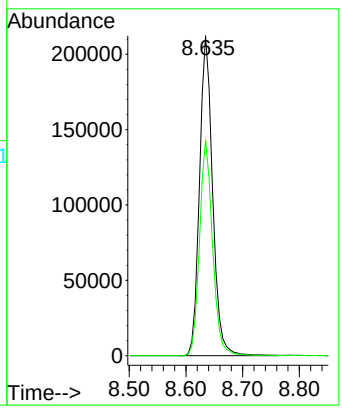


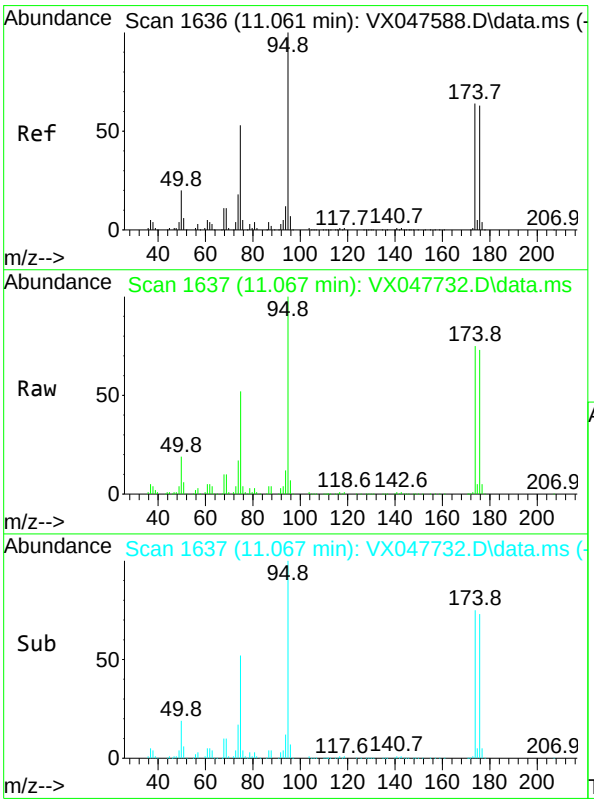

#50
Toluene-d8
Concen: 48.731 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion: 98 Resp: 340540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

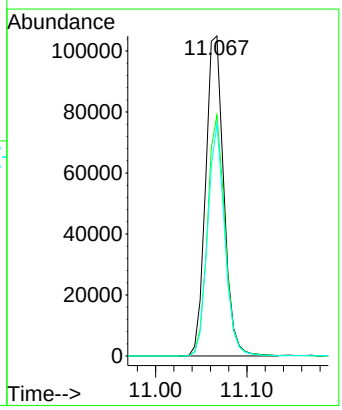


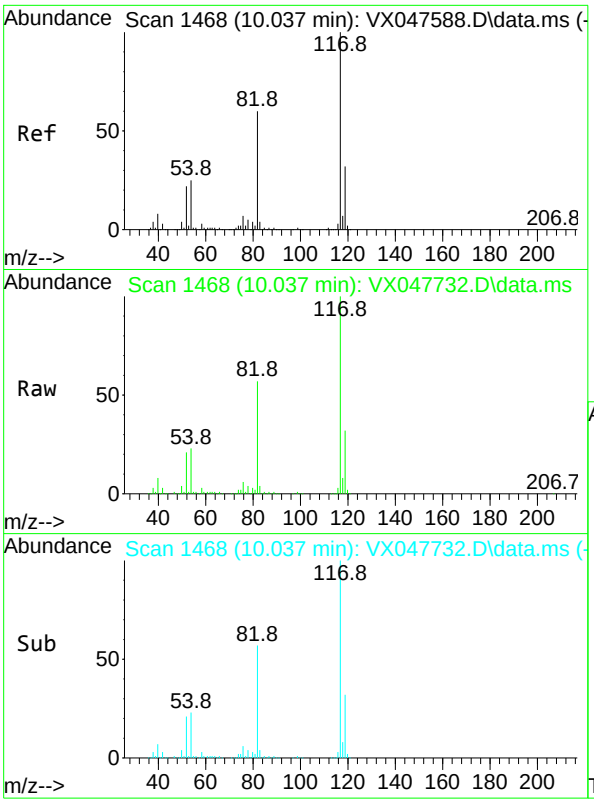




#62
4-Bromofluorobenzene
Concen: 54.573 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion: 95 Resp: 144734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 141.6 |
| 176 | 67.9 | 0.0 | 138.4 |



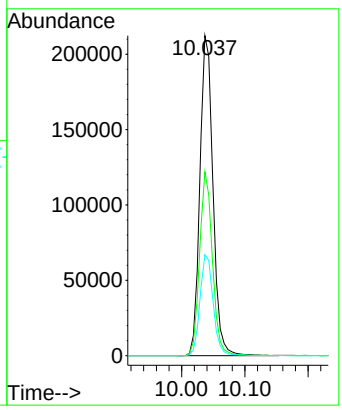


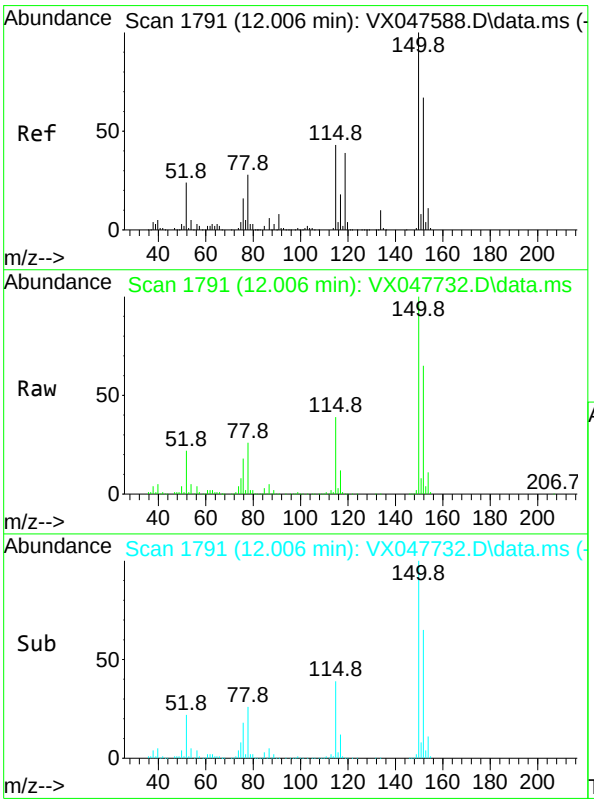

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Tgt Ion:117 Resp: 306124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.5 | 47.8 | 71.6 |
| 119 | 31.6 | 25.2 | 37.8 |

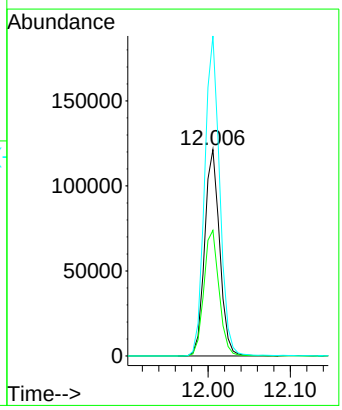



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047732.D
Acq: 23 Sep 2025 14:49

Tgt Ion:152 Resp: 153459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.8 | 44.9 | 134.5 |
| 150 | 155.9 | 0.0 | 352.0 |



Sample Results: **VX047732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047732.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.148 | 8 | 10 | 21 | rVB2 | 11389 | 18658 | 1.95% | 0.349% |
| 2 | 2.380 | 208 | 212 | 221 | rVB | 5059 | 9629 | 1.01% | 0.180% |
| 3 | 5.373 | 692 | 703 | 721 | rBV4 | 98860 | 317534 | 33.15% | 5.933% |
| 4 | 5.544 | 721 | 731 | 751 | rVB | 144710 | 446107 | 46.58% | 8.335% |
| 5 | 5.946 | 787 | 797 | 821 | rBV | 106215 | 329664 | 34.42% | 6.160% |
| 6 | 6.745 | 918 | 928 | 951 | rBV | 274596 | 721025 | 75.28% | 13.472% |
| 7 | 8.635 | 1231 | 1238 | 1261 | rBV | 569051 | 920975 | 96.16% | 17.208% |
| 8 | 10.037 | 1462 | 1468 | 1490 | rVB | 661971 | 950387 | 99.23% | 17.758% |
| 9 | 11.067 | 1631 | 1637 | 1649 | rBV | 497666 | 680216 | 71.02% | 12.710% |
| 10 | 12.006 | 1785 | 1791 | 1808 | rBV | 735932 | 957790 | 100.00% | 17.896% |

Sum of corrected areas: 5351985

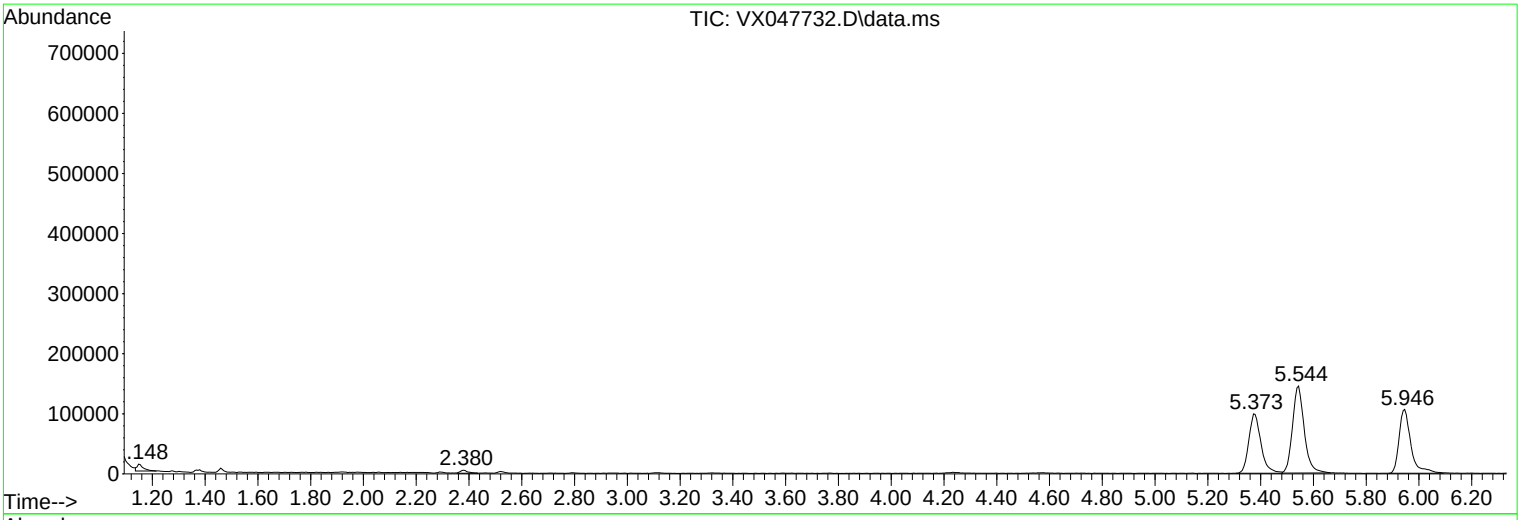
Sample Results: **VX047732.D**

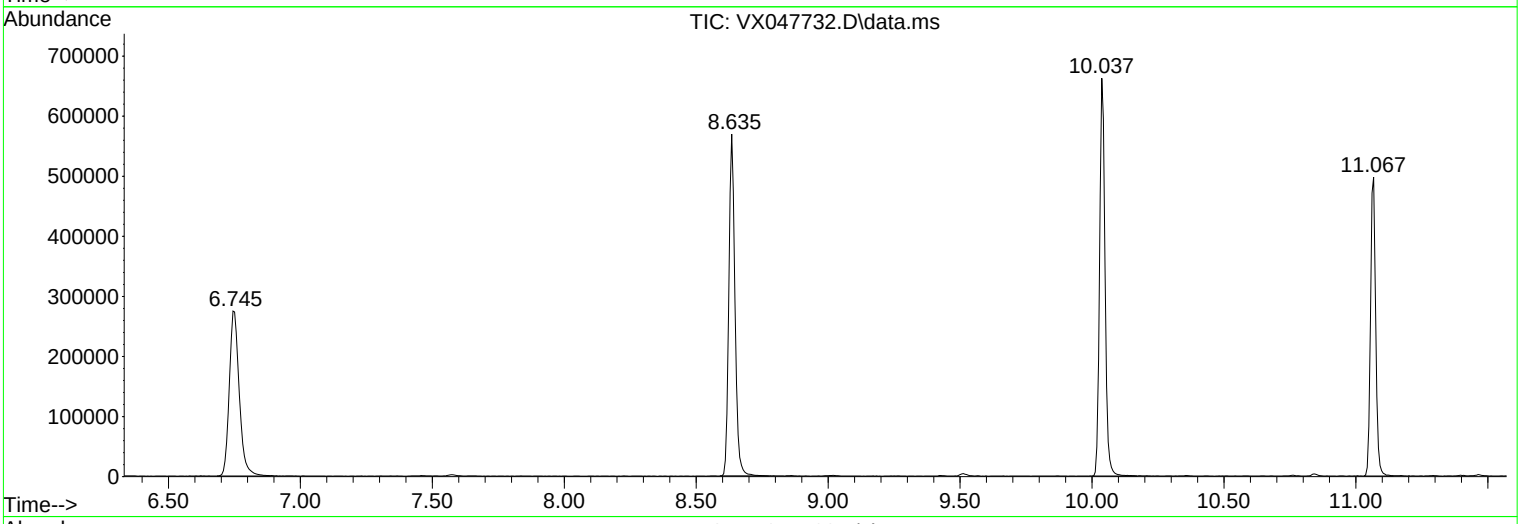
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

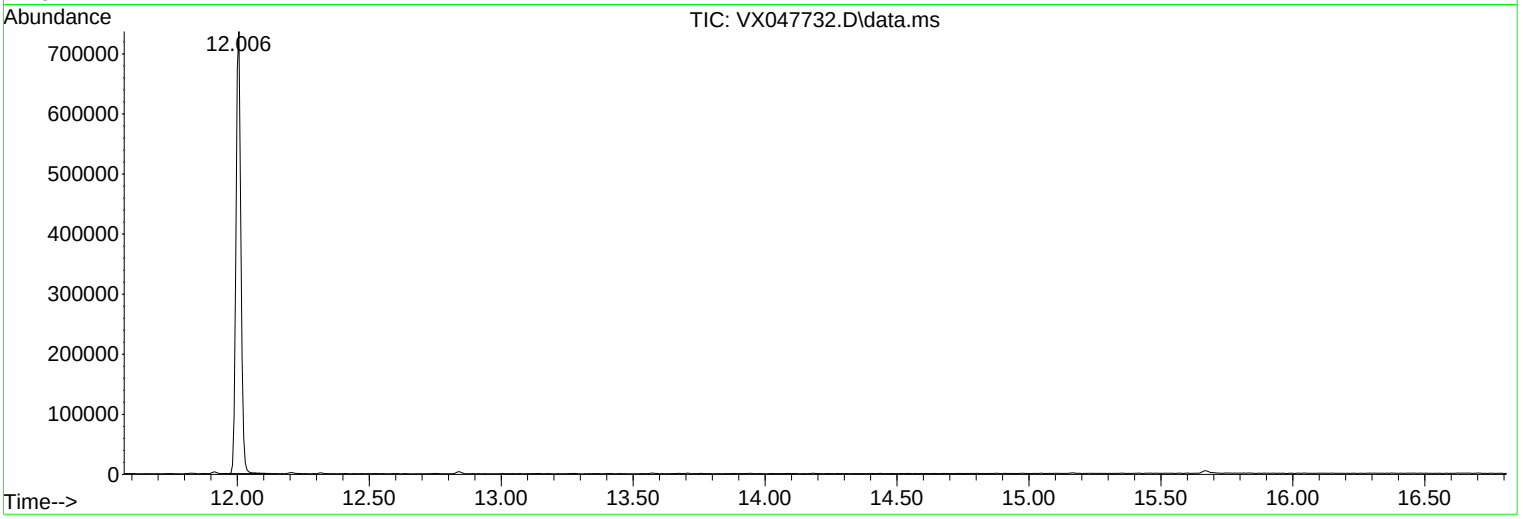
**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047732.D
Acq On : 23 Sep 2025 14:49
Operator : JC/MD
Sample : Q3141-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-150-152

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047733.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-200-202 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-06 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047733.D | 1 | 09/23/25 15:10 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 10.1 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-200-202 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-06 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047733.D | 1 | 09/23/25 15:10 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.0 | | 81 - 118 | | 104% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.4 | | 80 - 119 | | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 89 - 112 | | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.5 | | 85 - 114 | | 109% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 142000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 301000 | 6.745 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 298000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 146000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047733.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-200-202 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-06 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047733.D | 1 | 09/23/25 15:10 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Quant Time: Sep 24 01:34:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

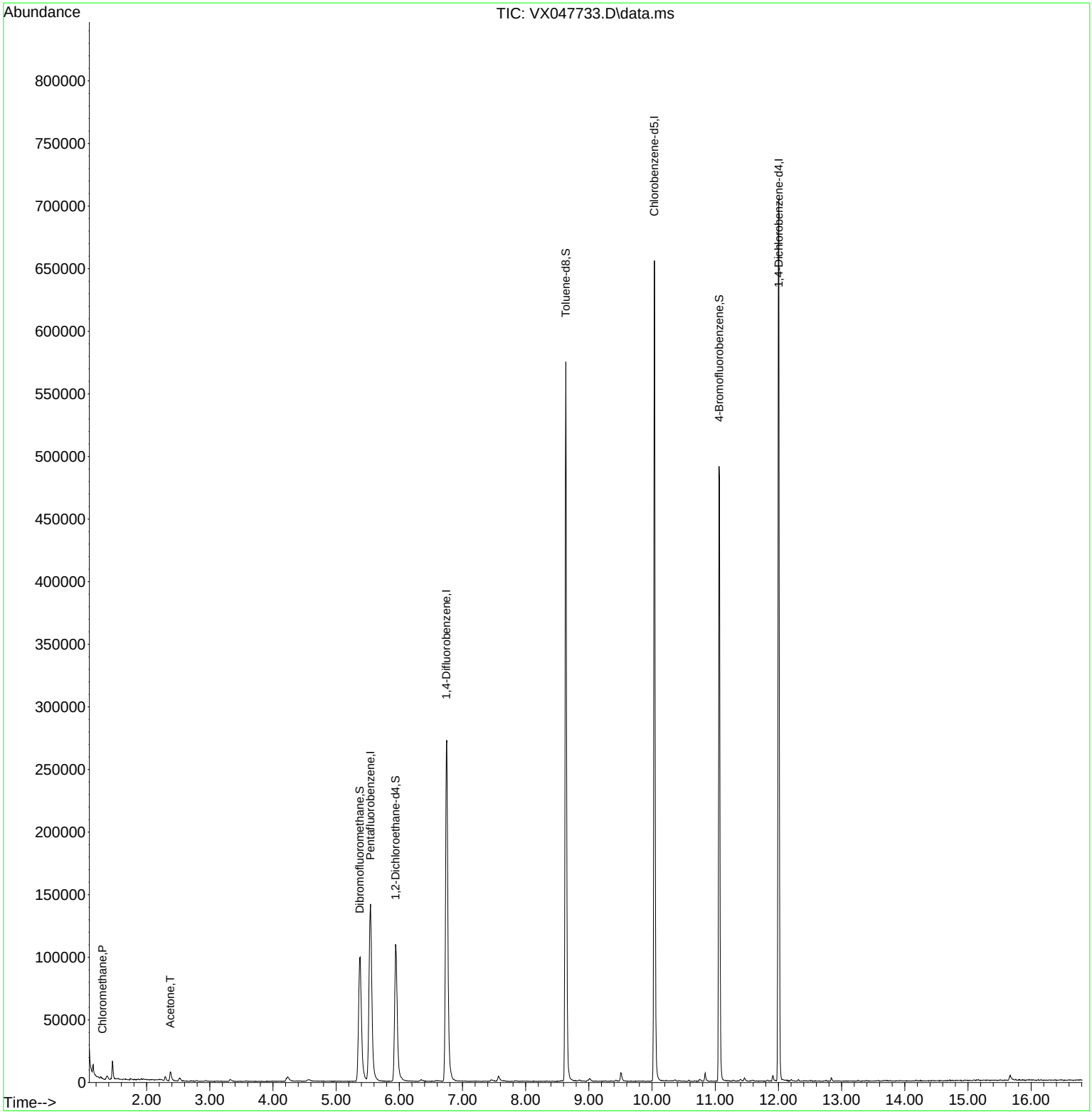
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 141844 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 300954 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 298268 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 146402 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 117468 | 52.028 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 104.060% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 97776 | 48.443 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.880% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 344134 | 49.275 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.560% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 144555 | 54.538 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 109.080% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.301 | 50 | 577 | 0.299 | ug/l # | 80 |
| 16) Acetone | 2.373 | 43 | 9905 | 10.090 | ug/l | 98 |

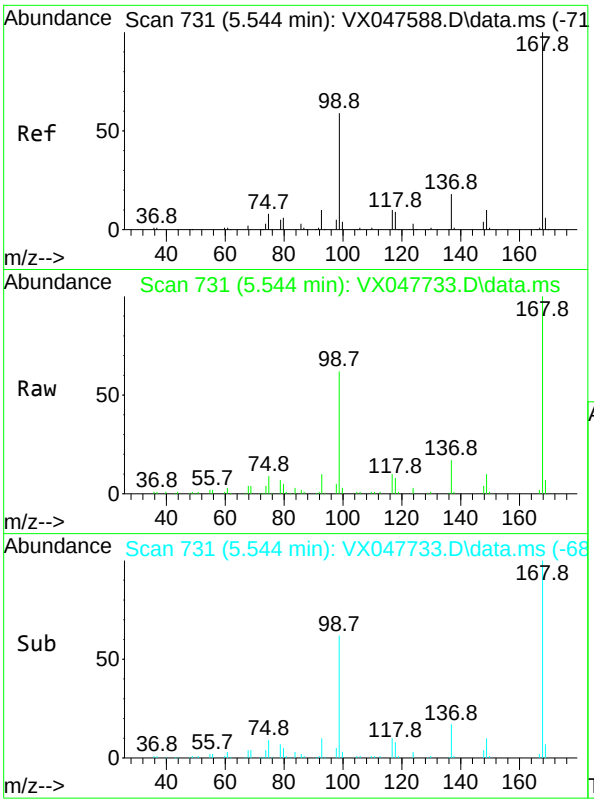
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Quant Time: Sep 24 01:34:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



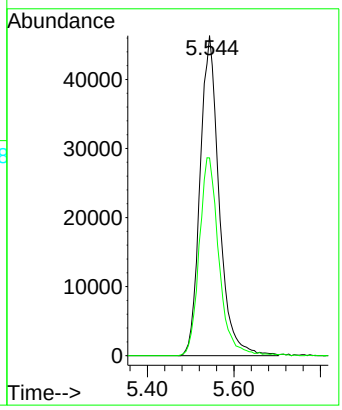


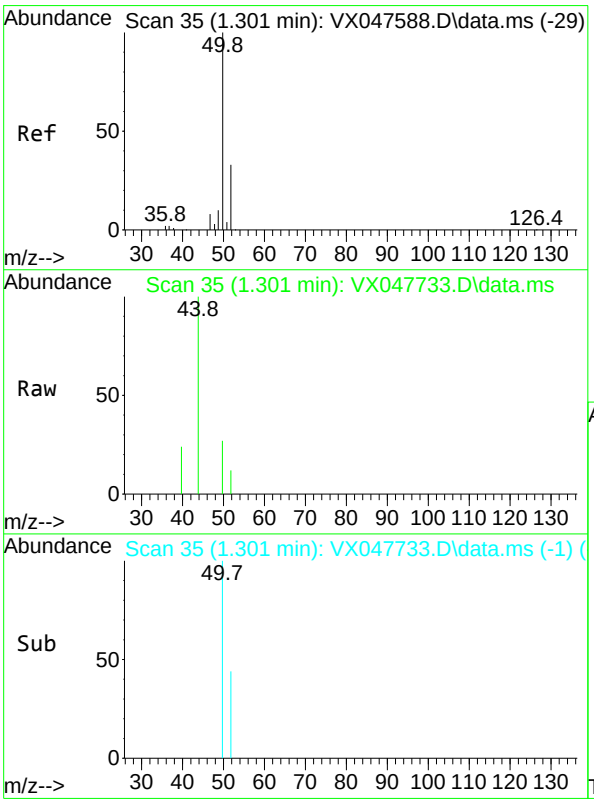

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Tgt Ion:168 Resp: 141844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.8 | 48.8 | 73.2 |

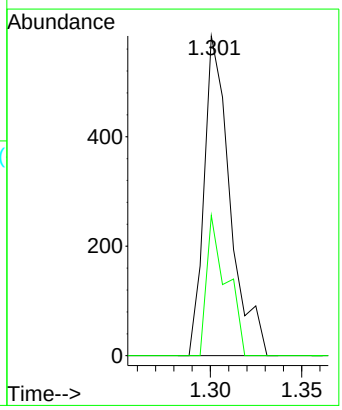


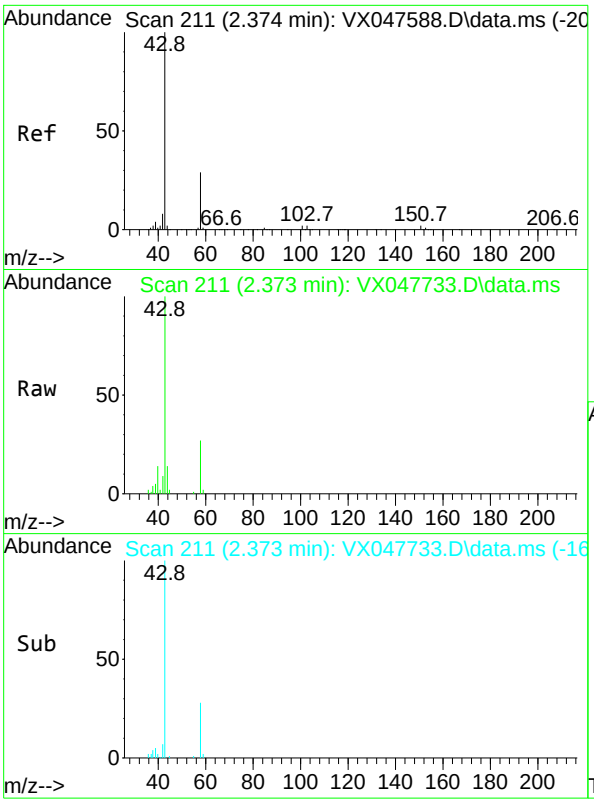




#3
Chloromethane
Concen: 0.299 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

Tgt Ion: 50 Resp: 577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 43.8 | 26.1 | 39.1# |



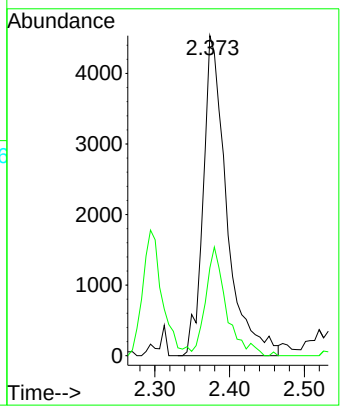


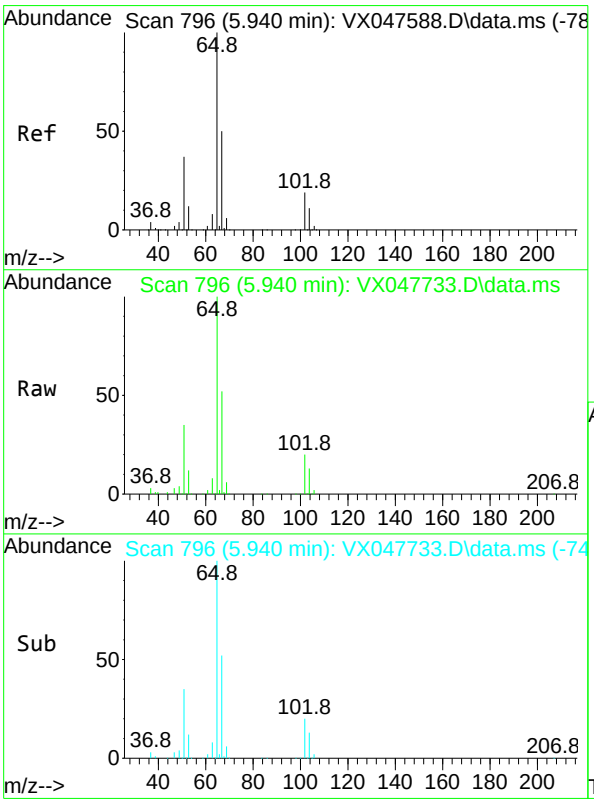

#16
Acetone
Concen: 10.090 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Tgt Ion: 43 Resp: 9905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 28.3 | 23.4 | 35.0 |

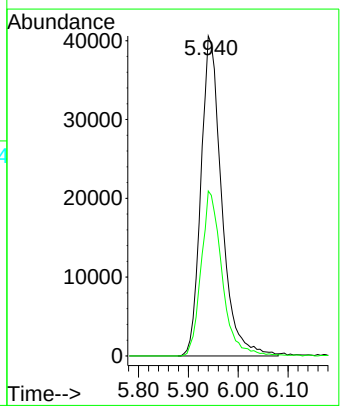


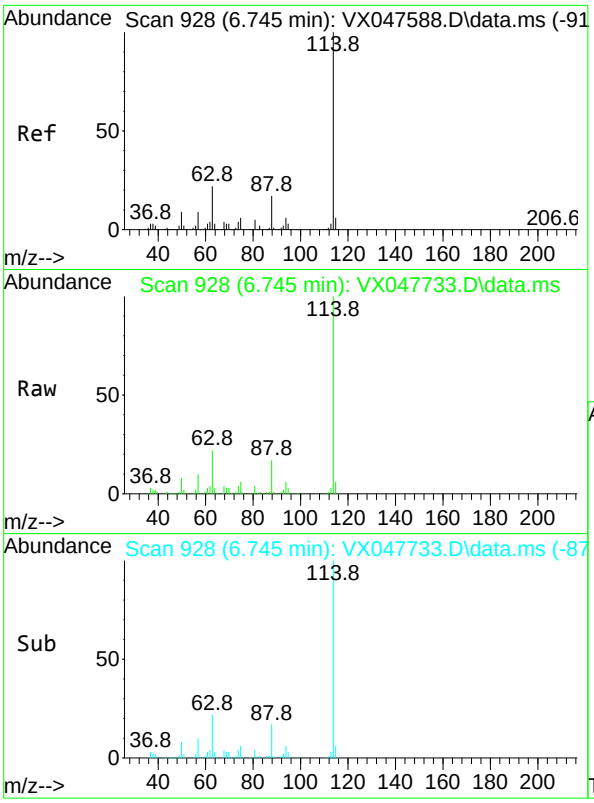




#33
1,2-Dichloroethane-d4
Concen: 52.028 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

Tgt Ion: 65 Resp: 117468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.0 | 0.0 | 103.0 |



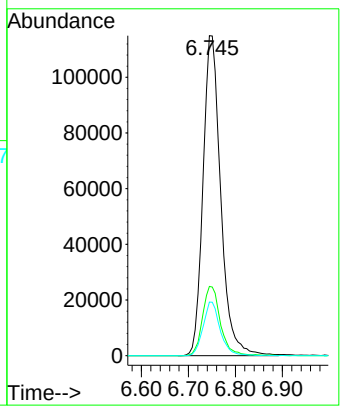


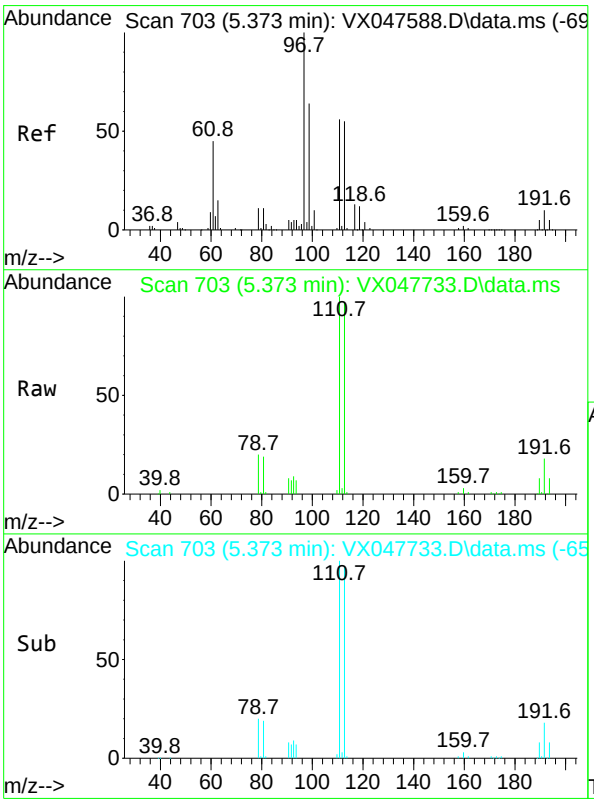

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Tgt Ion:114 Resp: 300954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.6 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |

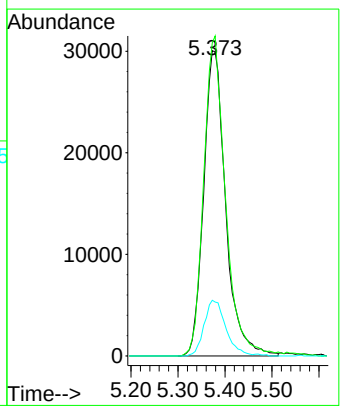


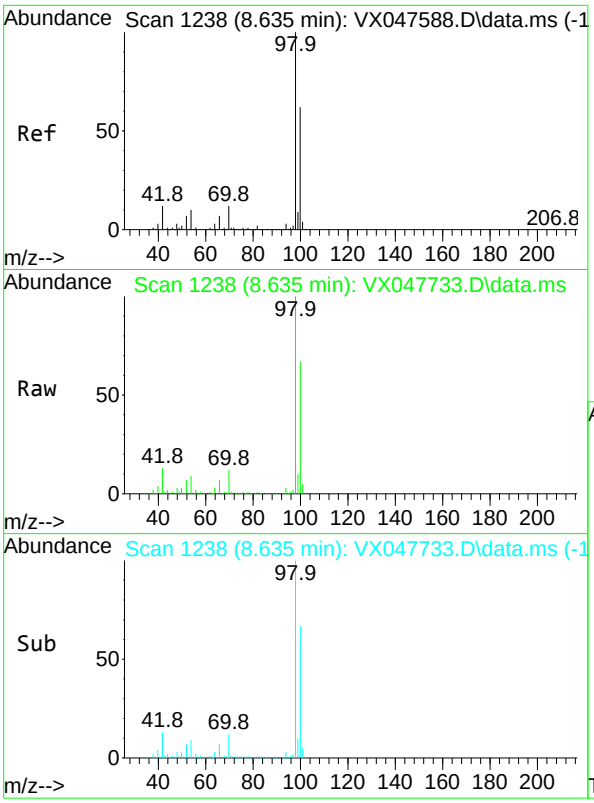




#35
Dibromofluoromethane
Concen: 48.443 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

Tgt Ion:113 Resp: 97776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.5 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |



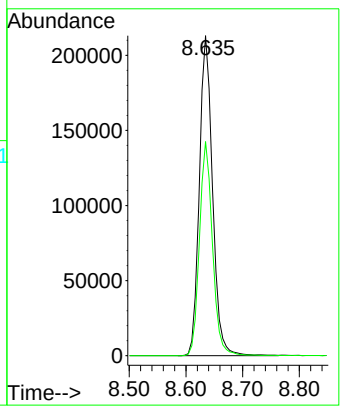


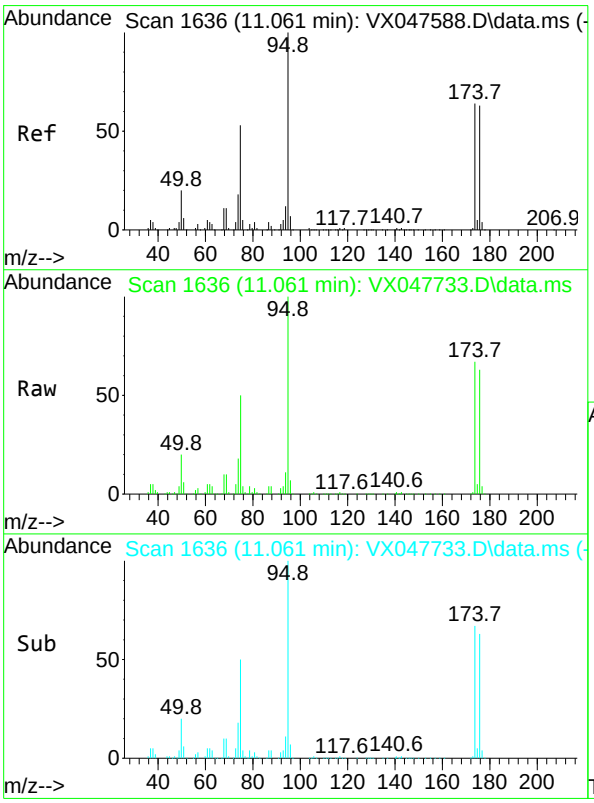

#50
Toluene-d8
Concen: 49.275 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Tgt Ion: 98 Resp: 344134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.1 | 53.0 | 79.4 |

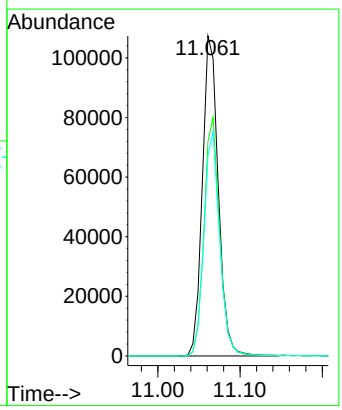


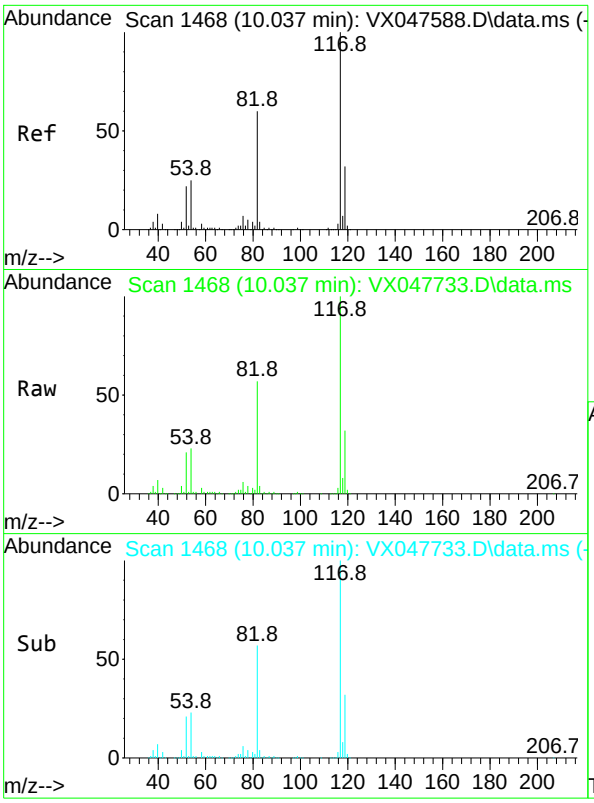




#62
4-Bromofluorobenzene
Concen: 54.538 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

Tgt Ion: 95 Resp: 144555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.9 | 0.0 | 141.6 |
| 176 | 69.1 | 0.0 | 138.4 |



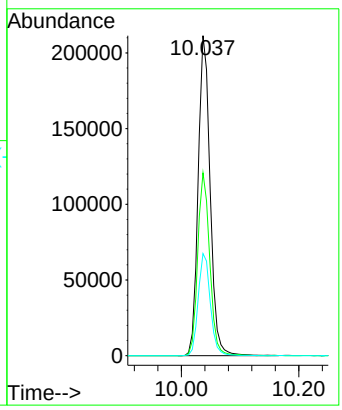


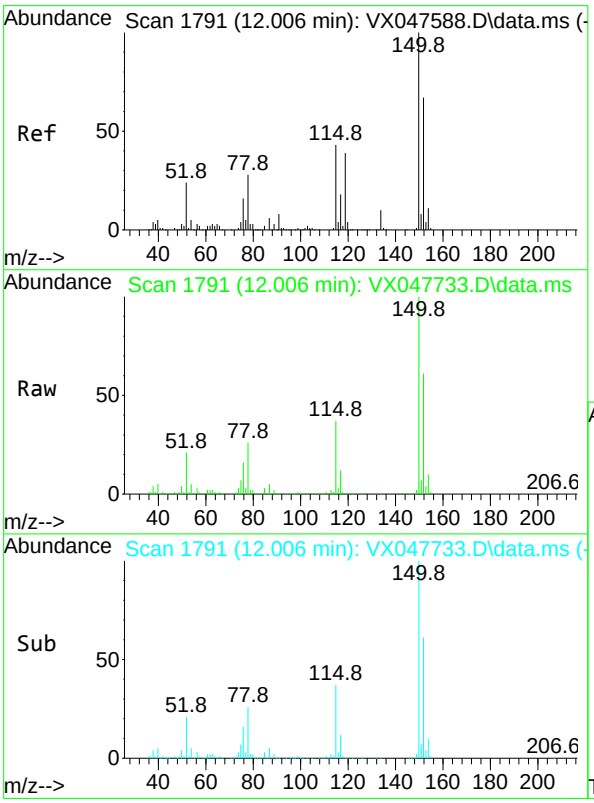

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Tgt Ion:117 Resp: 298268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.2 | 47.8 | 71.6 |
| 119 | 31.9 | 25.2 | 37.8 |

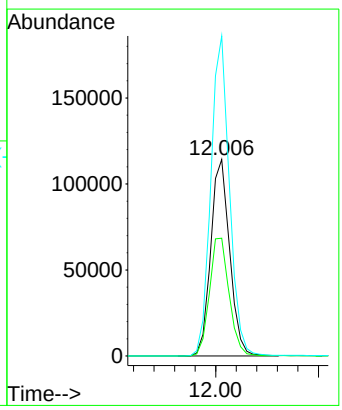



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047733.D
Acq: 23 Sep 2025 15:10

Tgt Ion:152 Resp: 146402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.4 | 44.9 | 134.5 |
| 150 | 159.6 | 0.0 | 352.0 |



Sample Results: **VX047733.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047733.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.154 | 8 | 11 | 23 | rVB2 | 9803 | 15719 | 1.69% | 0.295% |
| 2 | 1.459 | 55 | 61 | 68 | rBV | 14750 | 19821 | 2.13% | 0.372% |
| 3 | 2.380 | 207 | 212 | 223 | rBV4 | 7156 | 14884 | 1.60% | 0.279% |
| 4 | 4.233 | 507 | 516 | 531 | rBV4 | 3680 | 12570 | 1.35% | 0.236% |
| 5 | 5.379 | 693 | 704 | 720 | rBV3 | 99194 | 319717 | 34.33% | 6.002% |
| 6 | 5.544 | 720 | 731 | 753 | rVB | 141144 | 439636 | 47.21% | 8.253% |
| 7 | 5.940 | 786 | 796 | 819 | rBV | 109401 | 320030 | 34.36% | 6.008% |
| 8 | 6.751 | 918 | 929 | 952 | rBV | 272435 | 712689 | 76.53% | 13.378% |
| 9 | 8.635 | 1231 | 1238 | 1257 | rBV | 574481 | 925575 | 99.39% | 17.375% |
| 10 | 9.506 | 1377 | 1381 | 1390 | rBV4 | 6606 | 11663 | 1.25% | 0.219% |
| 11 | 10.037 | 1462 | 1468 | 1485 | rBV | 655251 | 931302 | 100.00% | 17.482% |
| 12 | 11.061 | 1631 | 1636 | 1651 | rBV | 491157 | 678858 | 72.89% | 12.743% |
| 13 | 12.006 | 1785 | 1791 | 1799 | rBV | 704548 | 924691 | 99.29% | 17.358% |

Sum of corrected areas: 5327155

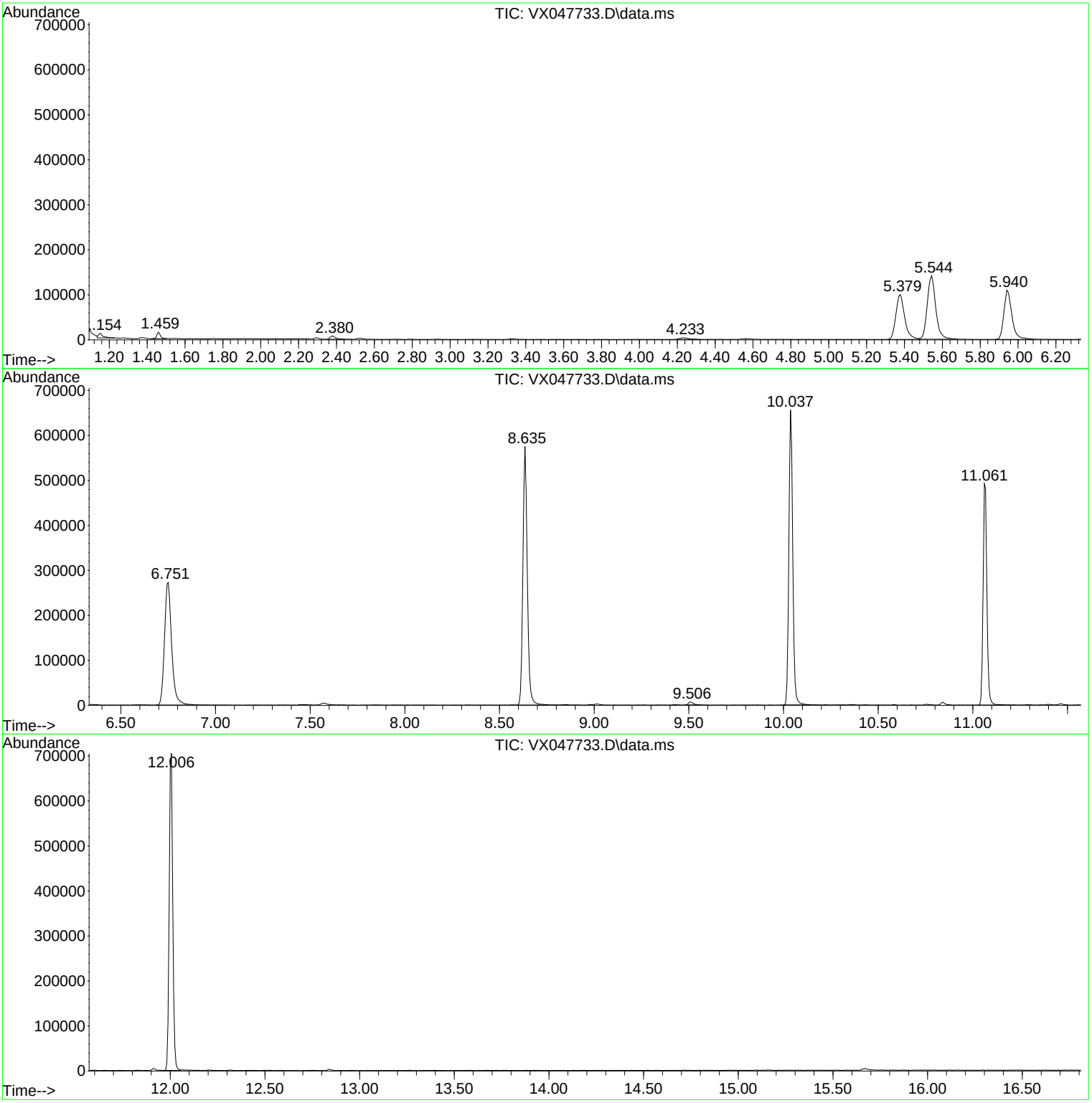
Sample Results: **VX047733.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047733.D
Acq On : 23 Sep 2025 15:10
Operator : JC/MD
Sample : Q3141-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-200-202

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047734.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-220-222 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047734.D | 1 | 09/23/25 15:31 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.36 | J | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 7.80 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Tetra Tech NUS, Inc. | Date Collected: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-220-222 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047734.D | 1 | 09/23/25 15:31 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.7 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.8 | | 80 - 119 | | 96% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.7 | | 89 - 112 | | 95% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.0 | | 85 - 114 | | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 147000 | 5.538 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 306000 | 6.745 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 308000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 158000 | 12.006 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |

Raw Data: **VX047734.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: | 09/18/25 |
| Project: | NWIRP Bethpage 112G08005-WE13 | Date Received: | 09/18/25 |
| Client Sample ID: | BP-VPB-184-GW-220-222 | SDG No.: | Q3141 |
| Lab Sample ID: | Q3141-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047734.D | 1 | 09/23/25 15:31 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 75-43-4 | Dichlorofluoromethane | N.D | | | | | |

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\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Quant Time: Sep 24 01:34:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

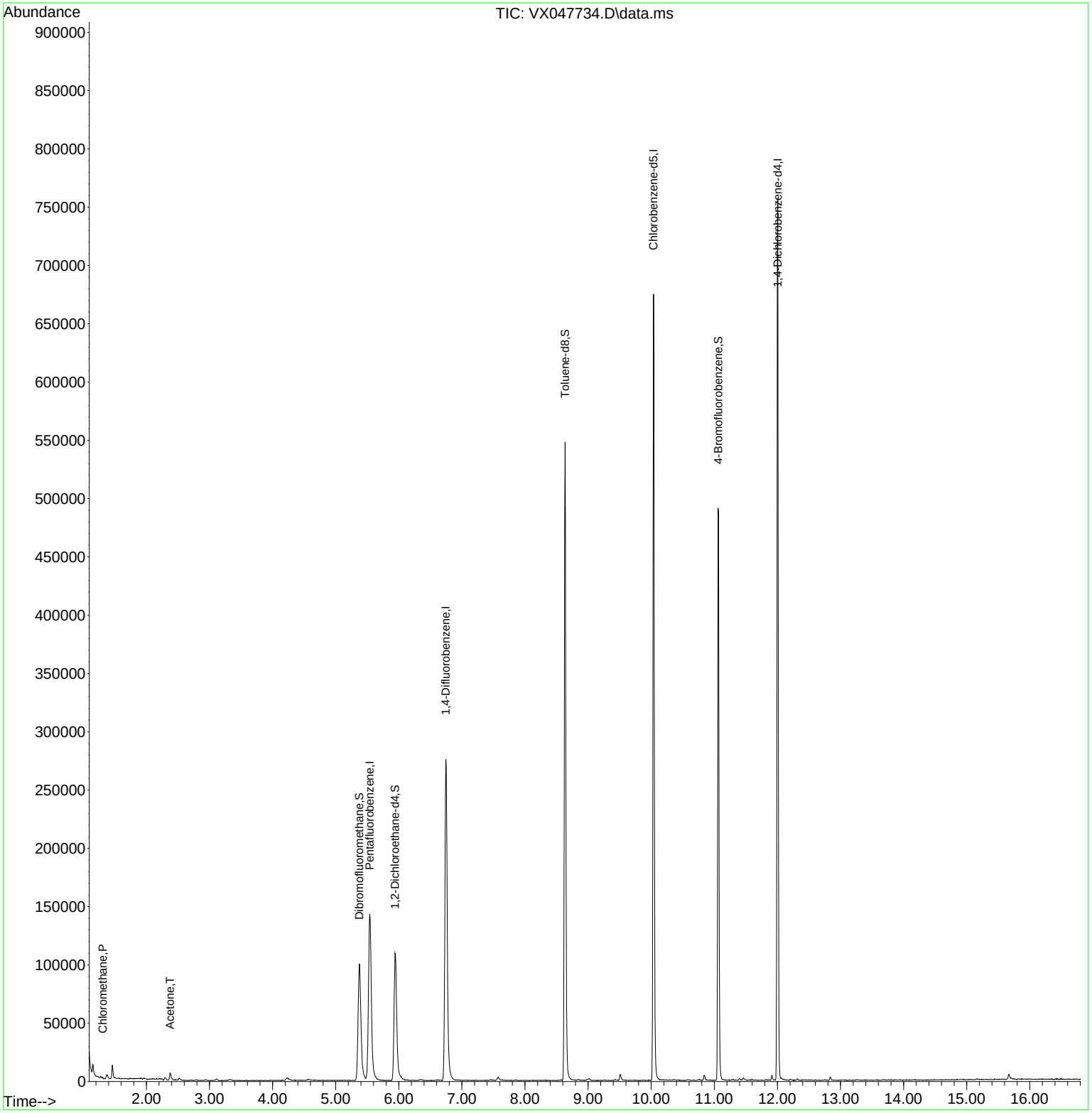
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 147065 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 305643 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 308233 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 157643 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 118726 | 50.718 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 101.440% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 97992 | 47.805 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.620% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 338041 | 47.660 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.320% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 145273 | 53.968 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 107.940% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.307 | 50 | 727 | 0.363 | ug/l | 98 |
| 16) Acetone | 2.374 | 43 | 7912 | 7.773 | ug/l | 96 |

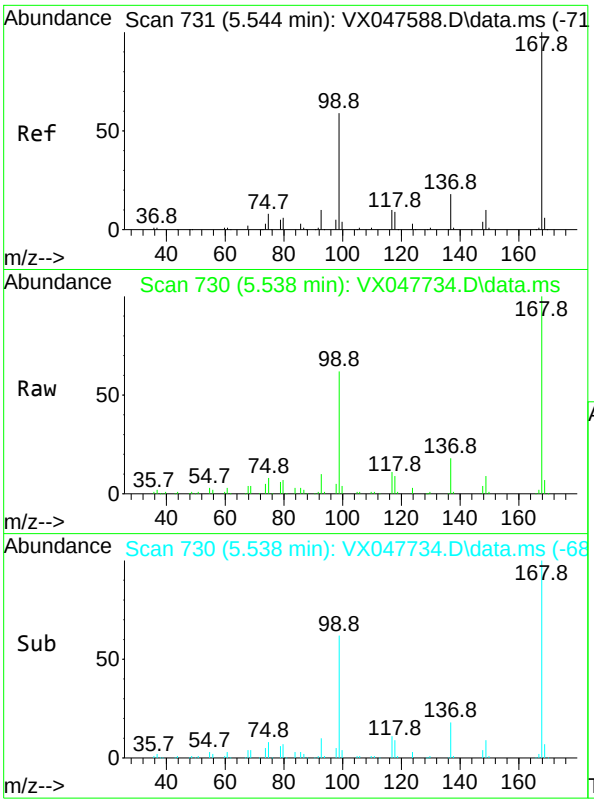
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Quant Time: Sep 24 01:34:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



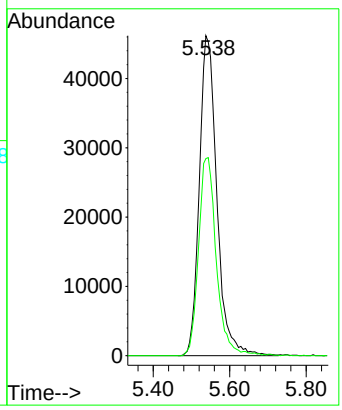


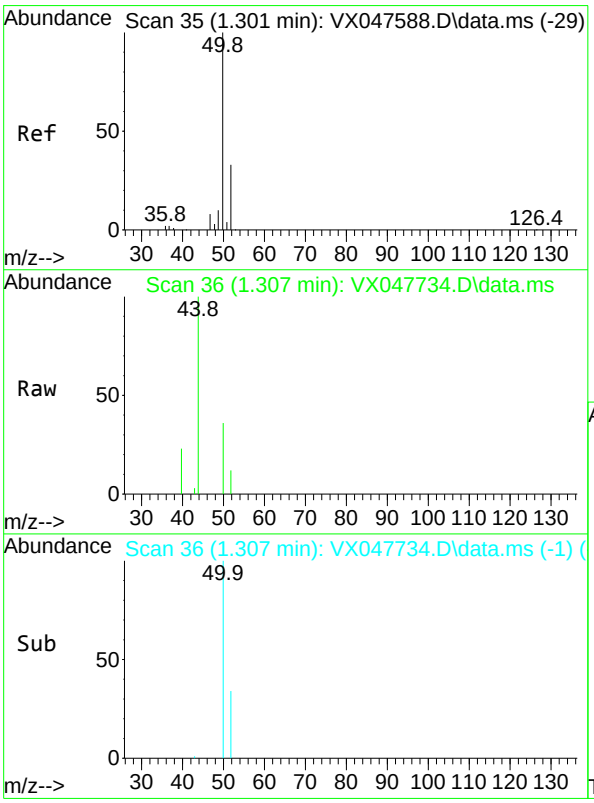

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Tgt Ion:168 Resp: 147065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.8 | 73.2 |

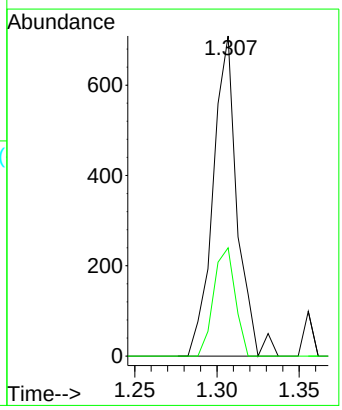


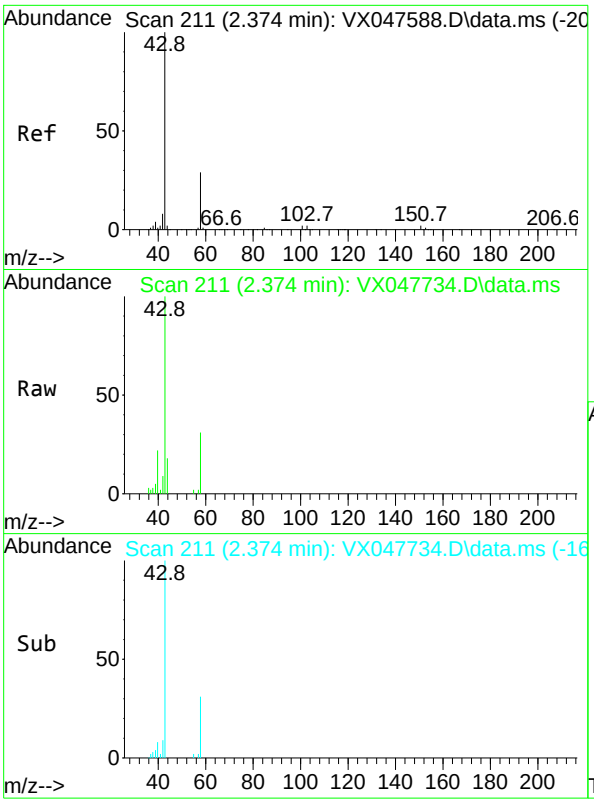




#3
Chloromethane
Concen: 0.363 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

Tgt Ion: 50 Resp: 727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.9 | 26.1 | 39.1 |



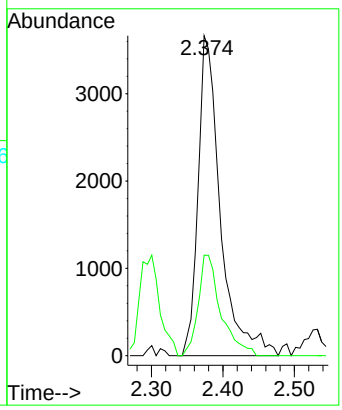


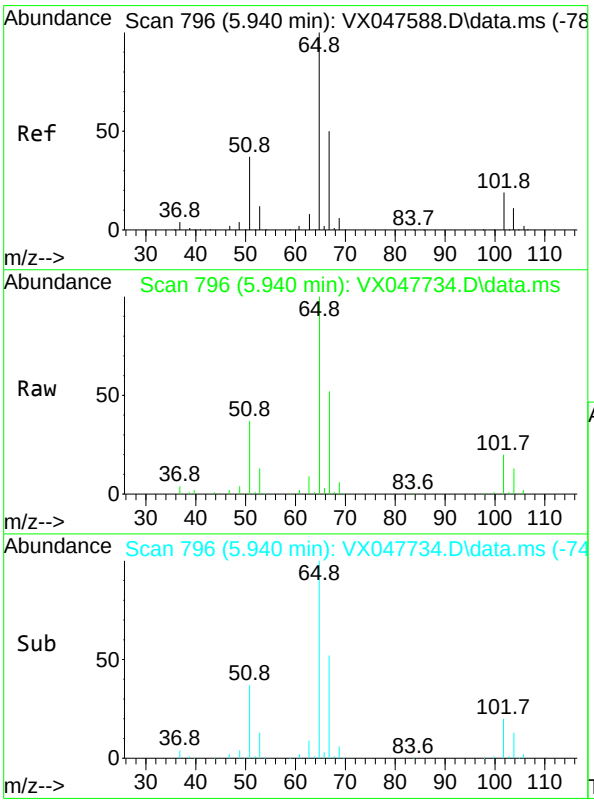

#16
Acetone
Concen: 7.773 ug/l
RT: 2.374 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Tgt Ion: 43 Resp: 7912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.4 | 23.4 | 35.0 |

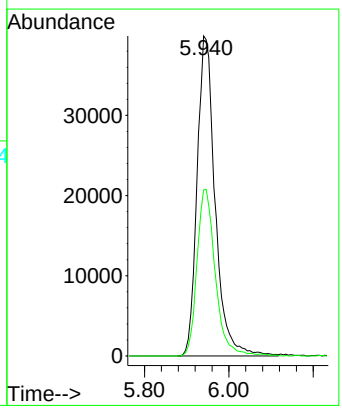


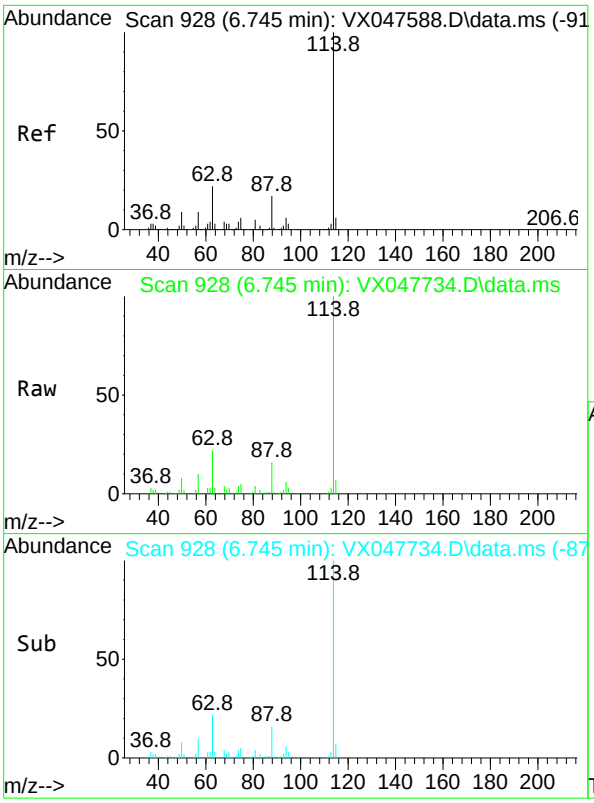




#33
1,2-Dichloroethane-d4
Concen: 50.718 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

Tgt Ion: 65 Resp: 118726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.0 |



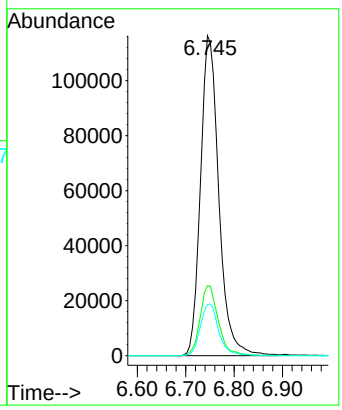


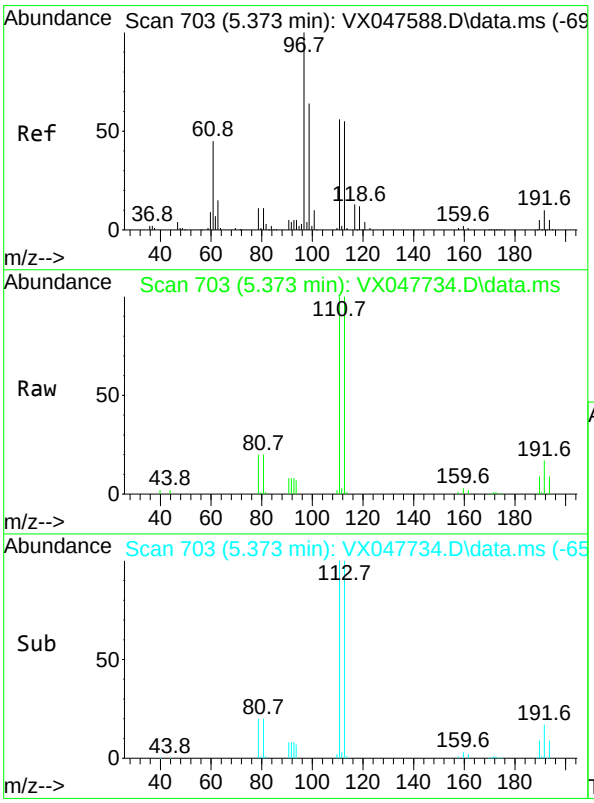

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Tgt Ion:114 Resp: 305643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.9 | 0.0 | 44.0 |
| 88 | 15.9 | 0.0 | 34.2 |

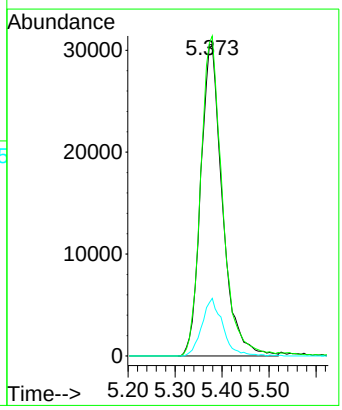


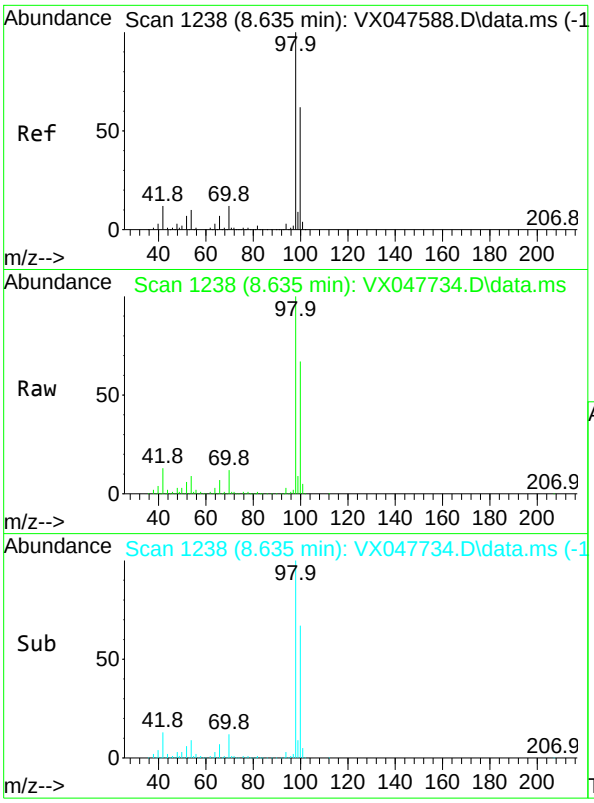




#35
Dibromofluoromethane
Concen: 47.805 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

Tgt Ion:113 Resp: 97992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.5 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |



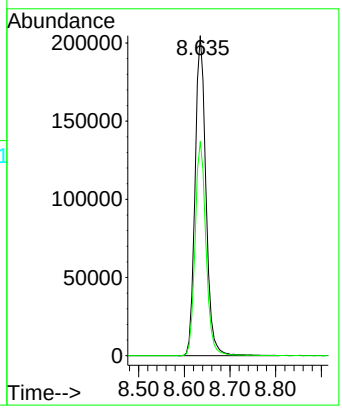


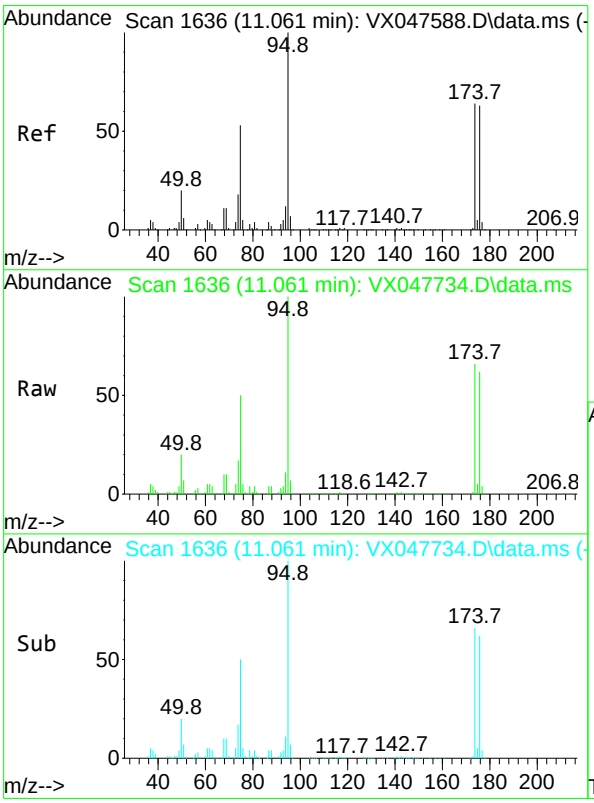

#50
Toluene-d8
Concen: 47.660 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Tgt Ion: 98 Resp: 338041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

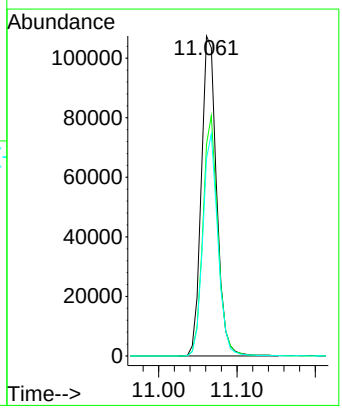


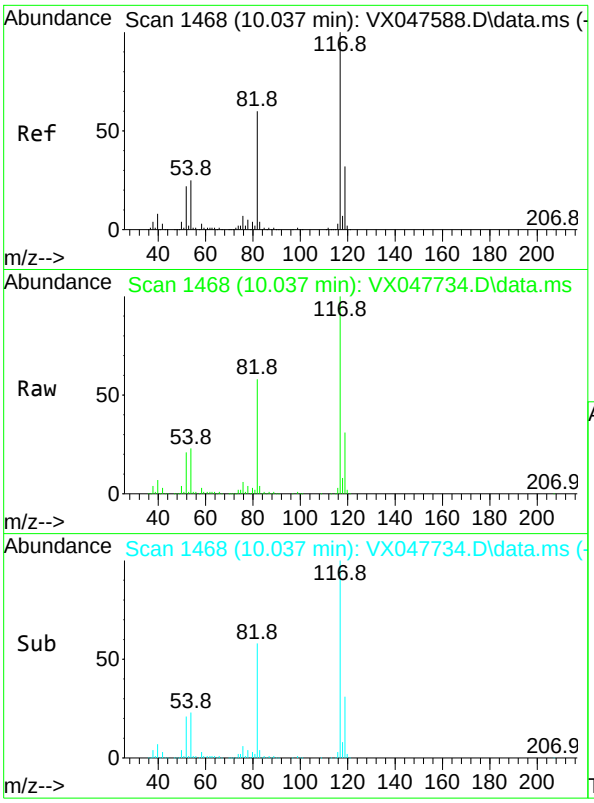




#62
4-Bromofluorobenzene
Concen: 53.968 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

Tgt Ion: 95 Resp: 145273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.4 | 0.0 | 141.6 |
| 176 | 68.5 | 0.0 | 138.4 |



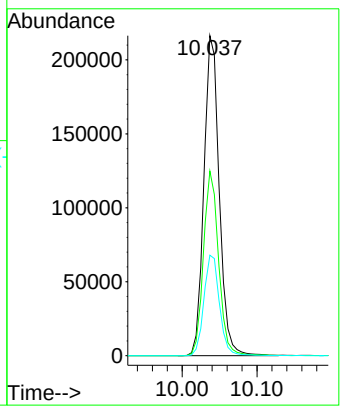


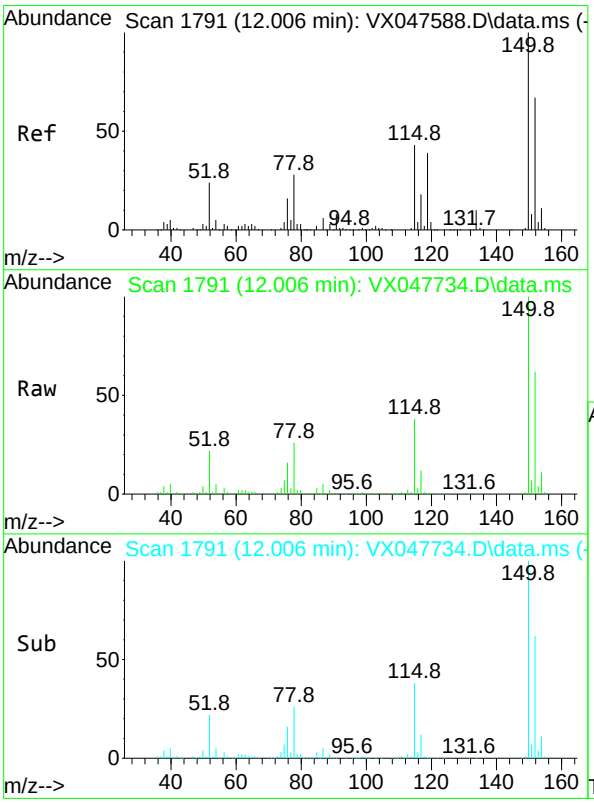

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Tgt Ion:117 Resp: 308233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 47.8 | 71.6 |
| 119 | 31.4 | 25.2 | 37.8 |

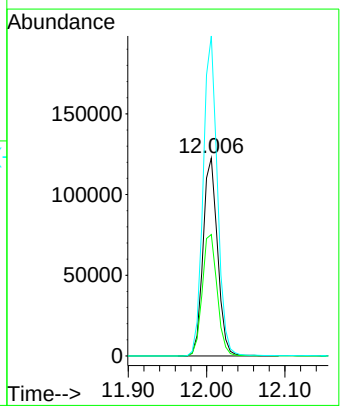



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047734.D
Acq: 23 Sep 2025 15:31

Tgt Ion:152 Resp: 157643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 63.0 | 44.9 | 134.5 |
| 150 | 158.3 | 0.0 | 352.0 |



Sample Results: **VX047734.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047734.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.148 | 8 | 10 | 28 | rVB | 11321 | 22002 | 2.23% | 0.407% |
| 2 | 1.459 | 56 | 61 | 73 | rVB | 11579 | 16379 | 1.66% | 0.303% |
| 3 | 2.374 | 205 | 211 | 219 | rBV | 6099 | 11829 | 1.20% | 0.219% |
| 4 | 5.373 | 688 | 703 | 720 | rBV4 | 99933 | 320615 | 32.42% | 5.925% |
| 5 | 5.538 | 720 | 730 | 750 | rVB | 141777 | 446599 | 45.17% | 8.253% |
| 6 | 5.940 | 787 | 796 | 822 | rBV | 109161 | 327796 | 33.15% | 6.058% |
| 7 | 6.745 | 919 | 928 | 952 | rBV | 275465 | 726719 | 73.49% | 13.430% |
| 8 | 8.635 | 1231 | 1238 | 1255 | rBV | 547639 | 912139 | 92.25% | 16.856% |
| 9 | 10.037 | 1462 | 1468 | 1482 | rBV | 674458 | 957813 | 96.87% | 17.700% |
| 10 | 11.061 | 1631 | 1636 | 1647 | rBV | 490632 | 680617 | 68.83% | 12.578% |
| 11 | 12.006 | 1785 | 1791 | 1799 | rBV | 756105 | 988803 | 100.00% | 18.273% |

Sum of corrected areas: 5411311

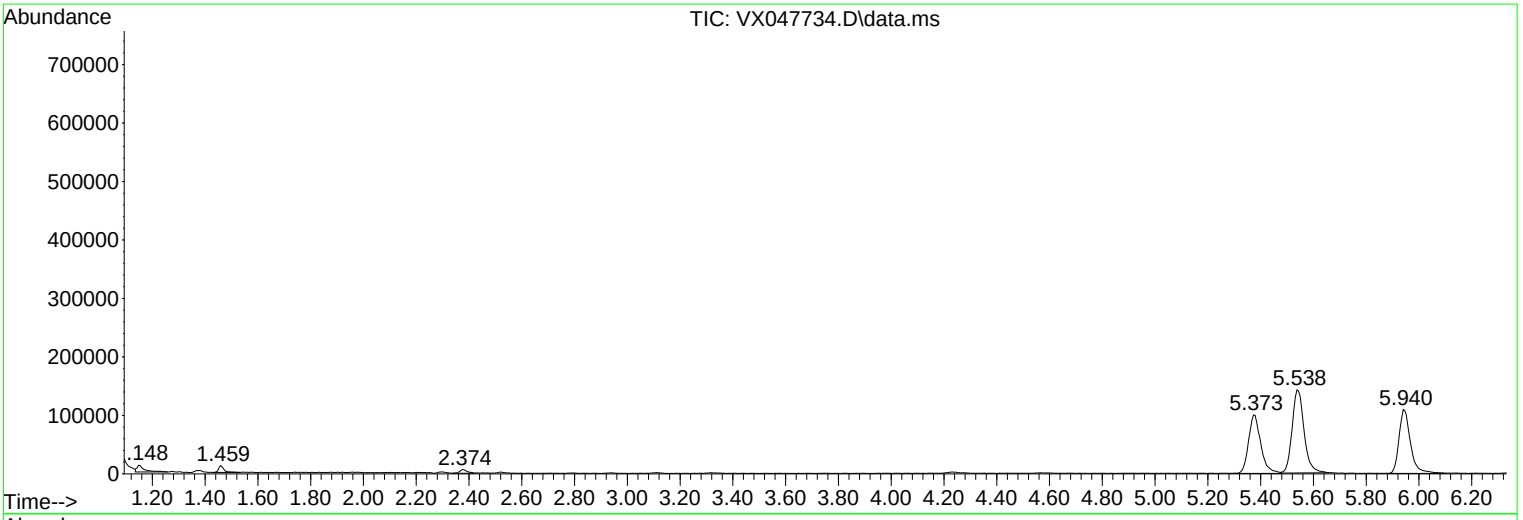
Sample Results: **VX047734.D**

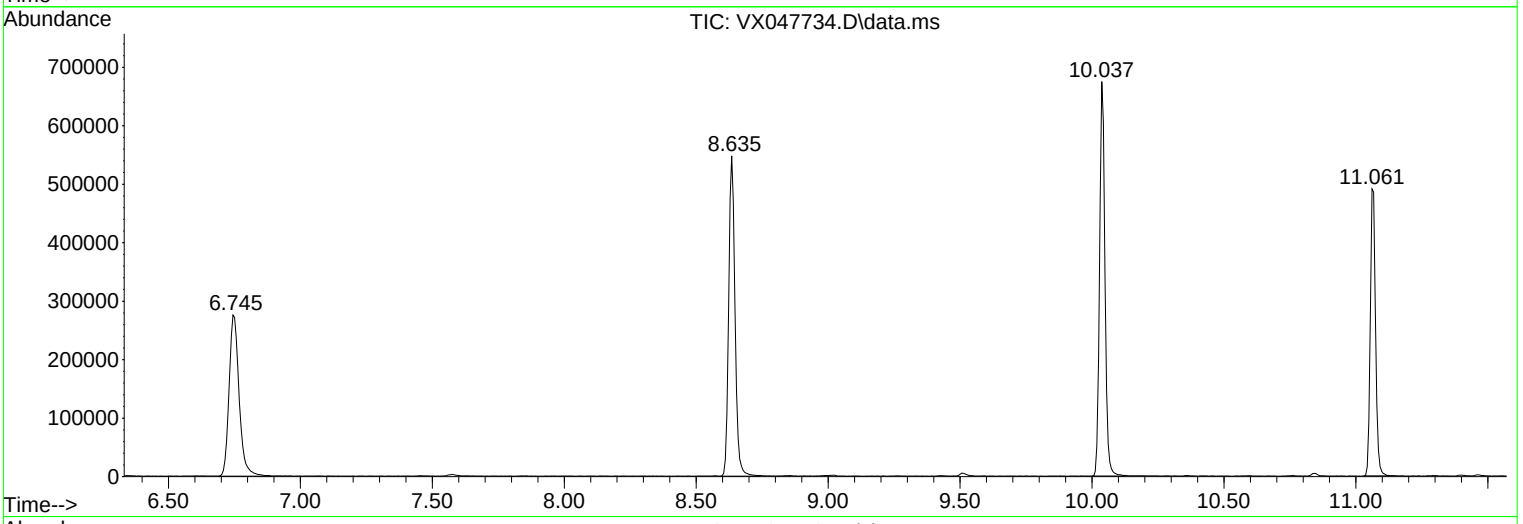
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

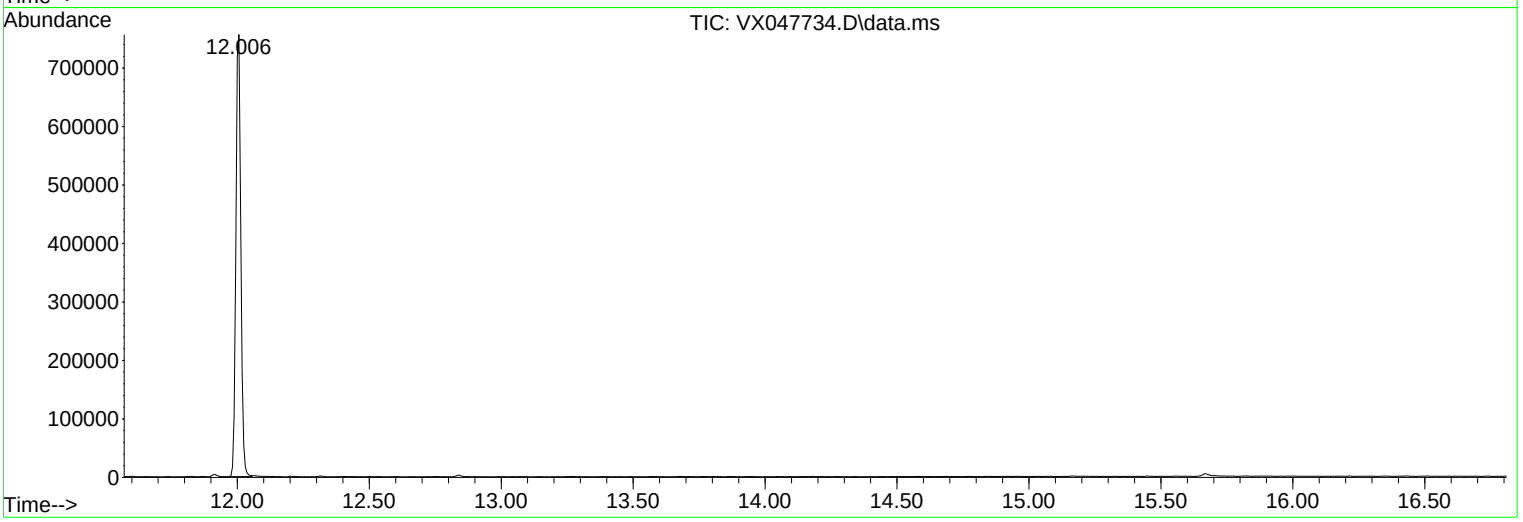
**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047734.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047734.D
Acq On : 23 Sep 2025 15:31
Operator : JC/MD
Sample : Q3141-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BP-VPB-184-GW-220-222

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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

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: Alliance  Contract: TETR06

Lab Code: ACE  SDG No.: Q3141

Instrument ID: MSVOA_X  Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N  Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.447 | 0.575 | 0.582 | 0.501 | 0.510 | 0.492 | 0.518 | 10 |
| Chloromethane | 0.610 | 0.749 | 0.739 | 0.661 | 0.677 | 0.647 | 0.680 | 7.9 |
| Vinyl Chloride | 0.572 | 0.713 | 0.716 | 0.661 | 0.677 | 0.658 | 0.666 | 7.9 |
| Bromomethane | | 0.493 | 0.451 | 0.424 | 0.423 | 0.321 | 0.422 | 15 |
| Chloroethane | 0.433 | 0.450 | 0.469 | 0.443 | 0.450 | 0.426 | 0.445 | 3.4 |
| Trichlorofluoromethane | 0.865 | 1.033 | 1.038 | 0.995 | 1.018 | 0.986 | 0.989 | 6.5 |
| 1,1,2-Trichlorotrifluoroethane | 0.519 | 0.591 | 0.603 | 0.583 | 0.590 | 0.583 | 0.578 | 5.2 |
| 1,1-Dichloroethene | 0.526 | 0.612 | 0.618 | 0.604 | 0.609 | 0.596 | 0.594 | 5.7 |
| Acetone | 0.343 | 0.416 | 0.400 | 0.317 | 0.302 | 0.299 | 0.346 | 14.7 |
| Carbon Disulfide | 1.555 | 1.735 | 1.758 | 1.566 | 1.589 | 1.555 | 1.626 | 5.8 |
| Methyl tert-butyl Ether | 1.884 | 2.238 | 2.221 | 2.247 | 2.212 | 2.209 | 2.169 | 6.5 |
| Methyl Acetate | 0.612 | 0.673 | 0.714 | 0.876 | 0.865 | 0.881 | 0.770 | 15.4 |
| Methylene Chloride | 0.718 | 0.772 | 0.754 | 0.730 | 0.716 | 0.705 | 0.732 | 3.5 |
| trans-1,2-Dichloroethene | 0.543 | 0.703 | 0.665 | 0.649 | 0.643 | 0.635 | 0.640 | 8.3 |
| 1,1-Dichloroethane | 1.090 | 1.325 | 1.299 | 1.297 | 1.287 | 1.278 | 1.263 | 6.8 |
| Cyclohexane | | 1.161 | 1.092 | 1.030 | 0.984 | 0.993 | 1.052 | 7.1 |
| 2-Butanone | 0.370 | 0.470 | 0.473 | 0.439 | 0.414 | 0.424 | 0.432 | 9 |
| Carbon Tetrachloride | 0.482 | 0.574 | 0.555 | 0.539 | 0.526 | 0.518 | 0.532 | 6 |
| cis-1,2-Dichloroethene | 0.698 | 0.806 | 0.803 | 0.808 | 0.787 | 0.797 | 0.783 | 5.4 |
| Bromochloromethane | 0.457 | 0.607 | 0.450 | 0.577 | 0.587 | 0.630 | 0.551 | 14.2 |
| Chloroform | 1.034 | 1.364 | 1.366 | 1.323 | 1.282 | 1.288 | 1.276 | 9.7 |
| 1,1,1-Trichloroethane | 0.901 | 1.123 | 1.141 | 1.127 | 1.100 | 1.103 | 1.082 | 8.3 |
| Methylcyclohexane | 0.490 | 0.589 | 0.591 | 0.565 | 0.548 | 0.554 | 0.556 | 6.6 |
| Benzene | 1.330 | 1.577 | 1.566 | 1.523 | 1.473 | 1.459 | 1.488 | 6.1 |
| 1,2-Dichloroethane | 0.513 | 0.595 | 0.600 | 0.582 | 0.554 | 0.553 | 0.566 | 5.8 |
| Trichloroethene | 0.296 | 0.382 | 0.382 | 0.370 | 0.364 | 0.363 | 0.360 | 8.9 |
| 1,2-Dichloropropane | 0.326 | 0.403 | 0.394 | 0.397 | 0.382 | 0.384 | 0.381 | 7.4 |
| Bromodichloromethane | 0.461 | 0.599 | 0.601 | 0.607 | 0.579 | 0.586 | 0.572 | 9.7 |
| 4-Methyl-2-Pentanone | 0.390 | 0.493 | 0.503 | 0.511 | 0.479 | 0.487 | 0.477 | 9.3 |
| Toluene | 0.841 | 0.967 | 0.960 | 0.940 | 0.897 | 0.897 | 0.917 | 5.2 |

* 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

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3141

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.487 | 0.588 | 0.602 | 0.619 | 0.595 | 0.611 | 0.584 | 8.3 |
| cis-1,3-Dichloropropene | 0.513 | 0.652 | 0.644 | 0.653 | 0.637 | 0.644 | 0.624 | 8.7 |
| 1,1,2-Trichloroethane | 0.323 | 0.365 | 0.371 | 0.367 | 0.344 | 0.351 | 0.354 | 5.1 |
| 2-Hexanone | 0.274 | 0.374 | 0.372 | 0.360 | 0.333 | 0.343 | 0.343 | 10.8 |
| Dibromochloromethane | 0.321 | 0.414 | 0.431 | 0.435 | 0.421 | 0.422 | 0.407 | 10.5 |
| 1,2-Dibromoethane | 0.287 | 0.379 | 0.384 | 0.379 | 0.364 | 0.367 | 0.360 | 10.1 |
| Tetrachloroethene | 0.299 | 0.354 | 0.342 | 0.326 | 0.320 | 0.314 | 0.326 | 6 |
| Chlorobenzene | 0.998 | 1.182 | 1.177 | 1.178 | 1.139 | 1.142 | 1.136 | 6.2 |
| Ethyl Benzene | 1.625 | 2.077 | 2.049 | 2.039 | 1.996 | 1.973 | 1.960 | 8.6 |
| m/p-Xylenes | 0.604 | 0.774 | 0.765 | 0.765 | 0.739 | 0.730 | 0.729 | 8.8 |
| o-Xylene | 0.576 | 0.734 | 0.734 | 0.749 | 0.721 | 0.719 | 0.706 | 9.1 |
| Styrene | 1.019 | 1.288 | 1.290 | 1.299 | 1.257 | 1.265 | 1.236 | 8.7 |
| Bromoform | 0.221 | 0.293 | 0.301 | 0.313 | 0.312 | 0.317 | 0.293 | 12.4 |
| Isopropylbenzene | 3.124 | 3.907 | 3.986 | 4.047 | 3.907 | 3.839 | 3.801 | 8.9 |
| 1,1,2,2-Tetrachloroethane | 0.965 | 1.182 | 1.203 | 1.225 | 1.152 | 1.173 | 1.150 | 8.2 |
| 1,3-Dichlorobenzene | 1.462 | 1.800 | 1.829 | 1.817 | 1.768 | 1.758 | 1.739 | 8 |
| 1,4-Dichlorobenzene | 1.570 | 1.890 | 1.868 | 1.832 | 1.767 | 1.783 | 1.785 | 6.5 |
| 1,2-Dichlorobenzene | 1.359 | 1.691 | 1.757 | 1.746 | 1.696 | 1.692 | 1.657 | 9 |
| 1,2-Dibromo-3-Chloropropane | 0.173 | 0.218 | 0.242 | 0.254 | 0.250 | 0.260 | 0.233 | 14.1 |
| 1,2,4-Trichlorobenzene | 0.831 | 1.099 | 1.107 | 1.156 | 1.140 | 1.126 | 1.077 | 11.3 |
| 1,2,3-Trichlorobenzene | 0.753 | 0.986 | 1.031 | 1.088 | 1.078 | 1.073 | 1.002 | 12.7 |
| 1,2-Dichloroethane-d4 | | 0.884 | 0.647 | 0.770 | 0.815 | 0.863 | 0.796 | 11.8 |
| Dibromofluoromethane | | 0.356 | 0.266 | 0.331 | 0.355 | 0.368 | 0.335 | 12.3 |
| Toluene-d8 | | 1.237 | 0.943 | 1.147 | 1.211 | 1.263 | 1.160 | 11.1 |
| 4-Bromofluorobenzene | | 0.478 | 0.360 | 0.427 | 0.452 | 0.484 | 0.440 | 11.4 |

* 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_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.447 | 0.575 | 0.582 | 0.501 | 0.510 | 0.492 | 0.518 | 10.01 |
| 3) | P | Chloromethane | 0.610 | 0.749 | 0.739 | 0.661 | 0.677 | 0.647 | 0.680 | 7.92 |
| 4) | C | Vinyl Chloride | 0.572 | 0.713 | 0.716 | 0.661 | 0.677 | 0.658 | 0.666 | 7.87# |
| 5) | T | Bromomethane | | 0.493 | 0.451 | 0.424 | 0.423 | 0.321 | 0.422 | 15.01 |
| 6) | T | Chloroethane | 0.433 | 0.450 | 0.469 | 0.443 | 0.450 | 0.426 | 0.445 | 3.36 |
| 7) | T | Trichlorofluor... | 0.865 | 1.033 | 1.038 | 0.995 | 1.018 | 0.986 | 0.989 | 6.49 |
| 8) | T | Diethyl Ether | 0.372 | 0.405 | 0.413 | 0.409 | 0.420 | 0.409 | 0.405 | 4.17 |
| 9) | T | 1,1,2-Trichlor... | 0.519 | 0.591 | 0.603 | 0.583 | 0.590 | 0.583 | 0.578 | 5.21 |
| 10) | T | Methyl Iodide | | 0.865 | 0.922 | 0.911 | 0.925 | 0.886 | 0.902 | 2.85 |
| 11) | T | Tert butyl alc... | | 0.085 | 0.086 | 0.089 | 0.090 | 0.094 | 0.089 | 4.18 |
| 12) | CM | 1,1-Dichloroet... | 0.526 | 0.612 | 0.618 | 0.604 | 0.609 | 0.596 | 0.594 | 5.71# |
| 13) | T | Acrolein | | 0.071 | 0.069 | 0.082 | 0.089 | 0.097 | 0.082 | 14.59 |
| 14) | T | Allyl chloride | 1.194 | 1.267 | 1.249 | 1.211 | 1.226 | 1.207 | 1.226 | 2.25 |
| 15) | T | Acrylonitrile | 0.264 | 0.329 | 0.343 | 0.347 | 0.343 | 0.344 | 0.328 | 9.82 |
| 16) | T | Acetone | 0.343 | 0.416 | 0.400 | 0.317 | 0.302 | 0.299 | 0.346 | 14.67 |
| 17) | T | Carbon Disulfide | 1.555 | 1.735 | 1.758 | 1.566 | 1.589 | 1.555 | 1.626 | 5.80 |
| 18) | T | Methyl Acetate | 0.612 | 0.673 | 0.714 | 0.876 | 0.865 | 0.881 | 0.770 | 15.39 |
| 19) | T | Methyl tert-bu... | 1.884 | 2.238 | 2.221 | 2.247 | 2.212 | 2.209 | 2.169 | 6.47 |
| 20) | T | Methylene Chlo... | 0.718 | 0.772 | 0.754 | 0.730 | 0.716 | 0.705 | 0.732 | 3.45 |
| 21) | T | trans-1,2-Dich... | 0.543 | 0.703 | 0.665 | 0.649 | 0.643 | 0.635 | 0.640 | 8.28 |
| 22) | T | Diisopropyl ether | 1.976 | 2.531 | 2.487 | 2.477 | 2.398 | 2.384 | 2.376 | 8.56 |
| 23) | T | Vinyl Acetate | 1.541 | 1.937 | 2.020 | 1.992 | 1.958 | 1.961 | 1.901 | 9.41 |
| 24) | P | 1,1-Dichloroet... | 1.090 | 1.325 | 1.299 | 1.297 | 1.287 | 1.278 | 1.263 | 6.81 |
| 25) | T | 2-Butanone | 0.370 | 0.470 | 0.473 | 0.439 | 0.414 | 0.424 | 0.432 | 8.98 |
| 26) | T | 2,2-Dichloropr... | 0.945 | 1.096 | 1.074 | 1.068 | 1.055 | 1.060 | 1.050 | 5.06 |
| 27) | T | cis-1,2-Dichlo... | 0.698 | 0.806 | 0.803 | 0.808 | 0.787 | 0.797 | 0.783 | 5.41 |
| 28) | T | Bromochloromet... | 0.457 | 0.607 | 0.450 | 0.577 | 0.587 | 0.630 | 0.551 | 14.18 |
| 29) | T | Tetrahydrofuran | 0.211 | 0.269 | 0.272 | 0.275 | 0.262 | 0.268 | 0.260 | 9.24 |
| 30) | C | Chloroform | 1.034 | 1.364 | 1.366 | 1.323 | 1.282 | 1.288 | 1.276 | 9.72# |
| 31) | T | Cyclohexane | | 1.161 | 1.092 | 1.030 | 0.984 | 0.993 | 1.052 | 7.08 |
| 32) | T | 1,1,1-Trichlor... | 0.901 | 1.123 | 1.141 | 1.127 | 1.100 | 1.103 | 1.082 | 8.33 |
| 33) | S | 1,2-Dichloroet... | | 0.884 | 0.647 | 0.770 | 0.815 | 0.863 | 0.796 | 11.82 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.356 | 0.266 | 0.331 | 0.355 | 0.368 | 0.335 | 12.25 |
| 36) | T | 1,1-Dichloropr... | 0.484 | 0.520 | 0.508 | 0.487 | 0.471 | 0.469 | 0.490 | 4.15 |
| 37) | T | Ethyl Acetate | 0.429 | 0.561 | 0.554 | 0.532 | 0.533 | 0.539 | 0.525 | 9.21 |
| 38) | T | Carbon Tetrach... | 0.482 | 0.574 | 0.555 | 0.539 | 0.526 | 0.518 | 0.532 | 5.99 |
| 39) | T | Methylcyclohexane | 0.490 | 0.589 | 0.591 | 0.565 | 0.548 | 0.554 | 0.556 | 6.60 |
| 40) | TM | Benzene | 1.330 | 1.577 | 1.566 | 1.523 | 1.473 | 1.459 | 1.488 | 6.11 |
| 41) | T | Methacrylonitrile | 0.236 | 0.264 | 0.286 | 0.286 | 0.282 | 0.271 | 0.271 | 7.13 |
| 42) | TM | 1,2-Dichloroet... | 0.513 | 0.595 | 0.600 | 0.582 | 0.554 | 0.553 | 0.566 | 5.76 |
| 43) | T | Isopropyl Acetate | 0.751 | 0.882 | 0.889 | 0.897 | 0.865 | 0.879 | 0.860 | 6.34 |
| 44) | TM | Trichloroethene | 0.296 | 0.382 | 0.382 | 0.370 | 0.364 | 0.363 | 0.360 | 8.92 |
| 45) | C | 1,2-Dichloropr... | 0.326 | 0.403 | 0.394 | 0.397 | 0.382 | 0.384 | 0.381 | 7.37# |
| 46) | T | Dibromomethane | 0.248 | 0.285 | 0.289 | 0.288 | 0.276 | 0.277 | 0.277 | 5.54 |
| 47) | T | Bromodichlorom... | 0.461 | 0.599 | 0.601 | 0.607 | 0.579 | 0.586 | 0.572 | 9.65 |
| 48) | T | Methyl methacr... | 0.372 | 0.421 | 0.447 | 0.449 | 0.436 | 0.446 | 0.429 | 6.97 |
| 49) | T | 1,4-Dioxane | 0.003 | 0.004 | 0.004 | 0.005 | 0.005 | 0.005 | 0.004 | 19.43 |
| 50) | S | Toluene-d8 | | 1.237 | 0.943 | 1.147 | 1.211 | 1.263 | 1.160 | 11.10 |
| 51) | T | 4-Methyl-2-Pen... | 0.390 | 0.493 | 0.503 | 0.511 | 0.479 | 0.487 | 0.477 | 9.28 |
| 52) | CM | Toluene | 0.841 | 0.967 | 0.960 | 0.940 | 0.897 | 0.897 | 0.917 | 5.22# |
| 53) | T | t-1,3-Dichloro... | 0.487 | 0.588 | 0.602 | 0.619 | 0.595 | 0.611 | 0.584 | 8.33 |
| 54) | T | cis-1,3-Dichlo... | 0.513 | 0.652 | 0.644 | 0.653 | 0.637 | 0.644 | 0.624 | 8.74 |
| 55) | T | 1,1,2-Trichlor... | 0.323 | 0.365 | 0.371 | 0.367 | 0.344 | 0.351 | 0.354 | 5.10 |
| 56) | T | Ethyl methacry... | 0.407 | 0.563 | 0.587 | 0.599 | 0.580 | 0.595 | 0.555 | 13.25 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X091625W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.507 | 0.648 | 0.636 | 0.638 | 0.607 | 0.609 | 0.607 | 8.51 |
| 58) | T | 2-Chloroethyl ... | 0.094 | 0.212 | 0.210 | 0.272 | 0.280 | 0.292 | 0.227 | 32.65 |
| 59) | T | 2-Hexanone | 0.274 | 0.374 | 0.372 | 0.360 | 0.333 | 0.343 | 0.343 | 10.82 |
| 60) | T | Dibromochlorom... | 0.321 | 0.414 | 0.431 | 0.435 | 0.421 | 0.422 | 0.407 | 10.49 |
| 61) | T | 1,2-Dibromoethane | 0.287 | 0.379 | 0.384 | 0.379 | 0.364 | 0.367 | 0.360 | 10.10 |
| 62) | S | 4-Bromofluorob... | | 0.478 | 0.360 | 0.427 | 0.452 | 0.484 | 0.440 | 11.42 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.299 | 0.354 | 0.342 | 0.326 | 0.320 | 0.314 | 0.326 | 6.03 |
| 65) | PM | Chlorobenzene | 0.998 | 1.182 | 1.177 | 1.178 | 1.139 | 1.142 | 1.136 | 6.18 |
| 66) | T | 1,1,1,2-Tetrac... | 0.327 | 0.404 | 0.402 | 0.414 | 0.404 | 0.402 | 0.392 | 8.26 |
| 67) | C | Ethyl Benzene | 1.625 | 2.077 | 2.049 | 2.039 | 1.996 | 1.973 | 1.960 | 8.57# |
| 68) | T | m/p-Xylenes | 0.604 | 0.774 | 0.765 | 0.765 | 0.739 | 0.730 | 0.729 | 8.77 |
| 69) | T | o-Xylene | 0.576 | 0.734 | 0.734 | 0.749 | 0.721 | 0.719 | 0.706 | 9.13 |
| 70) | T | Styrene | 1.019 | 1.288 | 1.290 | 1.299 | 1.257 | 1.265 | 1.236 | 8.70 |
| 71) | P | Bromoform | 0.221 | 0.293 | 0.301 | 0.313 | 0.312 | 0.317 | 0.293 | 12.37 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.124 | 3.907 | 3.986 | 4.047 | 3.907 | 3.839 | 3.801 | 8.94 |
| 74) | T | N-amyl acetate | 1.277 | 1.726 | 1.851 | 1.862 | 1.834 | 1.850 | 1.733 | 13.21 |
| 75) | P | 1,1,2,2-Tetrac... | 0.965 | 1.182 | 1.203 | 1.225 | 1.152 | 1.173 | 1.150 | 8.16 |
| 76) | T | 1,2,3-Trichlor... | 0.847 | 1.023 | 1.073 | 1.128 | 0.939 | 1.064 | 1.012 | 10.13 |
| 77) | T | Bromobenzene | 0.760 | 0.964 | 0.992 | 0.988 | 0.960 | 0.954 | 0.936 | 9.38 |
| 78) | T | n-propylbenzene | 3.680 | 4.667 | 4.739 | 4.792 | 4.581 | 4.504 | 4.494 | 9.17 |
| 79) | T | 2-Chlorotoluene | 2.276 | 2.859 | 2.935 | 2.915 | 2.798 | 2.730 | 2.752 | 8.91 |
| 80) | T | 1,3,5-Trimethy... | 2.458 | 3.235 | 3.311 | 3.343 | 3.221 | 3.171 | 3.123 | 10.62 |
| 81) | T | trans-1,4-Dich... | | 0.347 | 0.381 | 0.414 | 0.420 | 0.424 | 0.397 | 8.31 |
| 82) | T | 4-Chlorotoluene | 2.754 | 3.347 | 3.410 | 3.433 | 3.285 | 3.275 | 3.251 | 7.74 |
| 83) | T | tert-Butylbenzene | 2.800 | 3.223 | 3.346 | 3.359 | 3.240 | 3.215 | 3.197 | 6.39 |
| 84) | T | 1,2,4-Trimethy... | 2.522 | 3.302 | 3.381 | 3.344 | 3.234 | 3.216 | 3.166 | 10.17 |
| 85) | T | sec-Butylbenzene | 3.110 | 4.001 | 3.945 | 4.028 | 3.867 | 3.834 | 3.797 | 9.09 |
| 86) | T | p-Isopropyltol... | 2.660 | 3.372 | 3.371 | 3.419 | 3.263 | 3.205 | 3.215 | 8.81 |
| 87) | T | 1,3-Dichlorobe... | 1.462 | 1.800 | 1.829 | 1.817 | 1.768 | 1.758 | 1.739 | 7.95 |
| 88) | T | 1,4-Dichlorobe... | 1.570 | 1.890 | 1.868 | 1.832 | 1.767 | 1.783 | 1.785 | 6.47 |
| 89) | T | n-Butylbenzene | 2.429 | 3.070 | 3.114 | 3.139 | 3.098 | 2.999 | 2.975 | 9.14 |
| 90) | T | Hexachloroethane | 0.434 | 0.565 | 0.574 | 0.593 | 0.606 | 0.614 | 0.564 | 11.81 |
| 91) | T | 1,2-Dichlorobe... | 1.359 | 1.691 | 1.757 | 1.746 | 1.696 | 1.692 | 1.657 | 8.97 |
| 92) | T | 1,2-Dibromo-3-... | 0.173 | 0.218 | 0.242 | 0.254 | 0.250 | 0.260 | 0.233 | 14.07 |
| 93) | T | 1,2,4-Trichlor... | 0.831 | 1.099 | 1.107 | 1.156 | 1.140 | 1.126 | 1.077 | 11.34 |
| 94) | T | Hexachlorobuta... | 0.341 | 0.377 | 0.361 | 0.384 | 0.377 | 0.354 | 0.366 | 4.51 |
| 95) | T | Naphthalene | 2.503 | 3.153 | 3.410 | 3.539 | 3.496 | 3.571 | 3.279 | 12.46 |
| 96) | T | 1,2,3-Trichlor... | 0.753 | 0.986 | 1.031 | 1.088 | 1.078 | 1.073 | 1.002 | 12.72 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 246348 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 451502 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 410953 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 201976 | 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 78 - 117 | | 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 92 - 112 | | Recovery = | 0.000%# | | | |
| 62) 4-Bromofluorobenzene | 0.000 | 95 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 0.000%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 2201 | 0.863 | ug/l | | 96 |
| 3) Chloromethane | 1.300 | 50 | 3006 | 0.897 | ug/l | # | 82 |
| 4) Vinyl Chloride | 1.386 | 62 | 2818 | 0.859 | ug/l | | 95 |
| 6) Chloroethane | 1.697 | 64 | 2134 | 0.973 | ug/l | | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 4261 | 0.874 | ug/l | | 88 |
| 8) Diethyl Ether | 2.130 | 74 | 1831 | 0.919 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 2555 | 0.897 | ug/l | | 93 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 2594 | 0.886 | ug/l | # | 80 |
| 14) Allyl chloride | 2.666 | 41 | 5885 | 0.974 | ug/l | | 94 |
| 15) Acrylonitrile | 3.062 | 53 | 6500 | 4.018 | ug/l | | 97 |
| 16) Acetone | 2.380 | 43 | 8444 | 4.953 | ug/l | | 99 |
| 17) Carbon Disulfide | 2.520 | 76 | 7662 | 0.956 | ug/l | # | 91 |
| 18) Methyl Acetate | 2.703 | 43 | 3013 | 0.794 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 9281 | 0.869 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.788 | 84 | 3540 | 0.981 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 3.099 | 96 | 2676 | 0.849 | ug/l | | 95 |
| 22) Diisopropyl ether | 3.751 | 45 | 9738 | 0.832 | ug/l | # | 87 |
| 23) Vinyl Acetate | 3.715 | 43 | 37962 | 4.052 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 5372 | 0.863 | ug/l | | 95 |
| 25) 2-Butanone | 4.550 | 43 | 9105 | 4.281 | ug/l | # | 83 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 4657 | 0.901 | ug/l | | 77 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 3440 | 0.891 | ug/l | | 96 |
| 28) Bromochloromethane | 4.879 | 49 | 2251 | 0.829 | ug/l | # | 93 |
| 29) Tetrahydrofuran | 4.995 | 42 | 5210 | 4.072 | ug/l | | 98 |
| 30) Chloroform | 5.074 | 83 | 5093 | 0.810 | ug/l | | 86 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 4439 | 0.832 | ug/l | # | 47 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 4373 | 0.988 | ug/l | # | 69 |
| 37) Ethyl Acetate | 4.702 | 43 | 3873 | 0.818 | ug/l | # | 91 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 4349 | 0.905 | ug/l | | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 4428 | 0.882 | ug/l | | 94 |
| 40) Benzene | 6.025 | 78 | 12012 | 0.894 | ug/l | | 98 |
| 41) Methacrylonitrile | 4.903 | 41 | 2128 | 0.870 | ug/l | # | 63 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 4634 | 0.906 | ug/l | | 80 |
| 43) Isopropyl Acetate | 6.318 | 43 | 6784 | 0.873 | ug/l | | 94 |
| 44) Trichloroethene | 7.110 | 130 | 2677 | 0.824 | ug/l | | 78 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 2945 | 0.856 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.574 | 93 | 2240 | 0.895 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 4167 | 0.806 | ug/l | # | 92 |
| 48) Methyl methacrylate | 7.683 | 41 | 3355 | 0.867 | ug/l | # | 87 |
| 49) 1,4-Dioxane | 7.653 | 88 | 488m | 12.477 | ug/l | | |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 17596 | 4.085 | ug/l | | 95 |
| 52) Toluene | 8.708 | 92 | 7595 | 0.917 | ug/l | | 92 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 4398 | 0.834 | ug/l | # | 82 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 4635 | 0.823 | ug/l | # | 76 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 2918 | 0.914 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.104 | 69 | 3679 | 0.734 | ug/l | # | 84 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 4580 | 0.835 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 4222 | 9.665 | ug/l | | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 12385 | 4.003 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 2903 | 0.789 | ug/l | | 87 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 2596 | 0.798 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.256 | 164 | 2457 | 0.917 | ug/l | | 83 |
| 65) Chlorobenzene | 10.061 | 112 | 8202 | 0.879 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 2684 | 0.833 | ug/l | # | 66 |
| 67) Ethyl Benzene | 10.177 | 91 | 13360 | 0.829 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 9922 | 1.655 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 4734 | 0.816 | ug/l | | 94 |
| 70) Styrene | 10.640 | 104 | 8377 | 0.824 | ug/l | | 96 |
| 71) Bromoform | 10.787 | 173 | 1816 | 0.755 | ug/l | # | 94 |
| 73) Isopropylbenzene | 10.945 | 105 | 12618 | 0.822 | ug/l | | 96 |
| 74) N-amyl acetate | 10.829 | 43 | 5159 | 0.737 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 3900 | 0.839 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 3421m | 0.816 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 3069 | 0.811 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 14866 | 0.819 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 9195 | 0.827 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 9929 | 0.787 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 11123 | 0.847 | ug/l | | 95 |
| 83) tert-Butylbenzene | 11.695 | 119 | 11311 | 0.876 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 10187 | 0.796 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 12561 | 0.819 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 10744 | 0.827 | ug/l | | 92 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 5907 | 0.841 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 6341m | 0.880 | ug/l | | |
| 89) n-Butylbenzene | 12.317 | 91 | 9811 | 0.816 | ug/l | | 97 |
| 90) Hexachloroethane | 12.524 | 117 | 1752 | 0.768 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 5491 | 0.820 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 698 | 0.742 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 3358 | 0.772 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 1378 | 0.933 | ug/l | | 93 |
| 95) Naphthalene | 13.756 | 128 | 10112 | 0.763 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 3043 | 0.752 | ug/l | | 98 |

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

ICAL Form

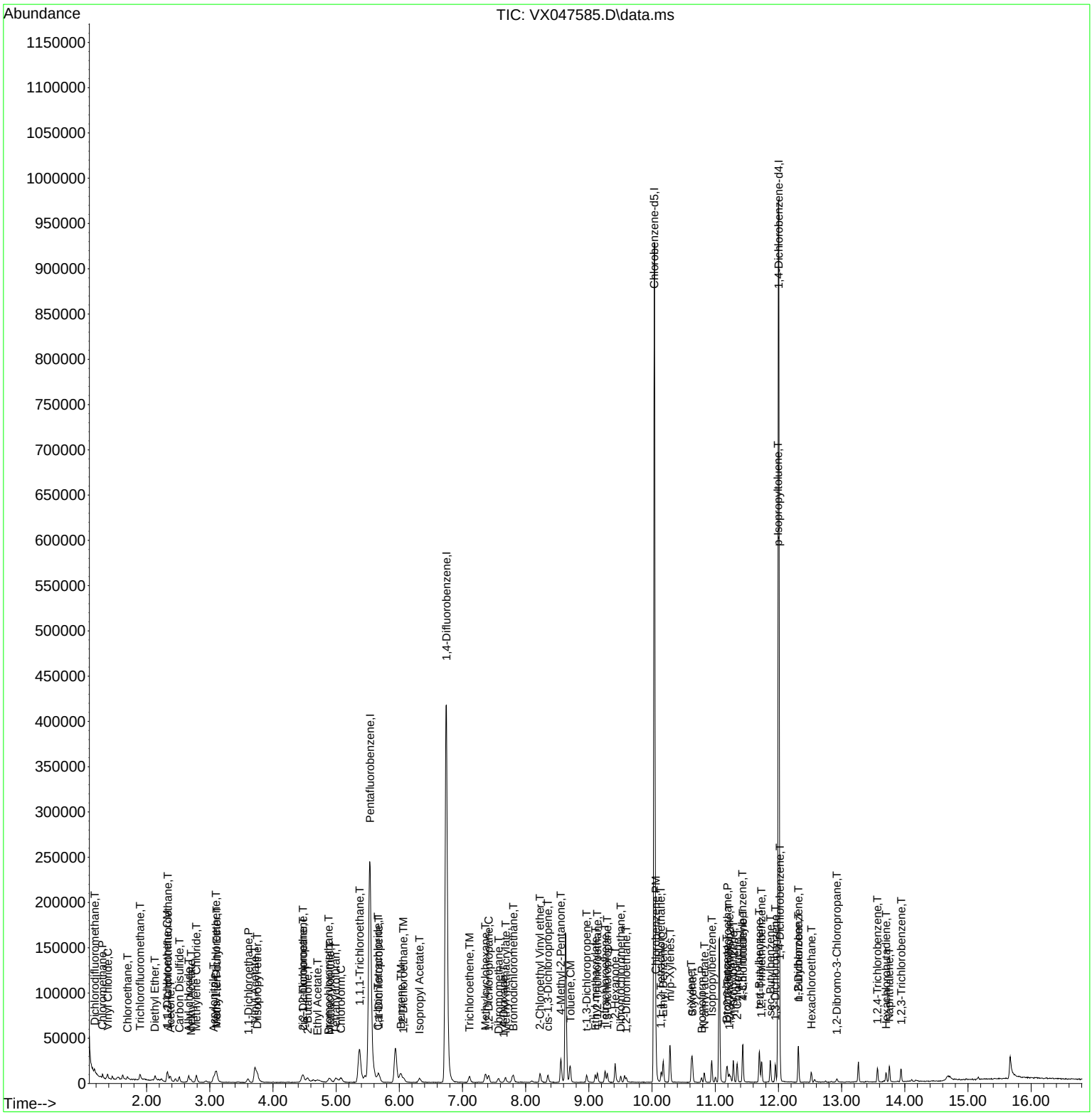
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

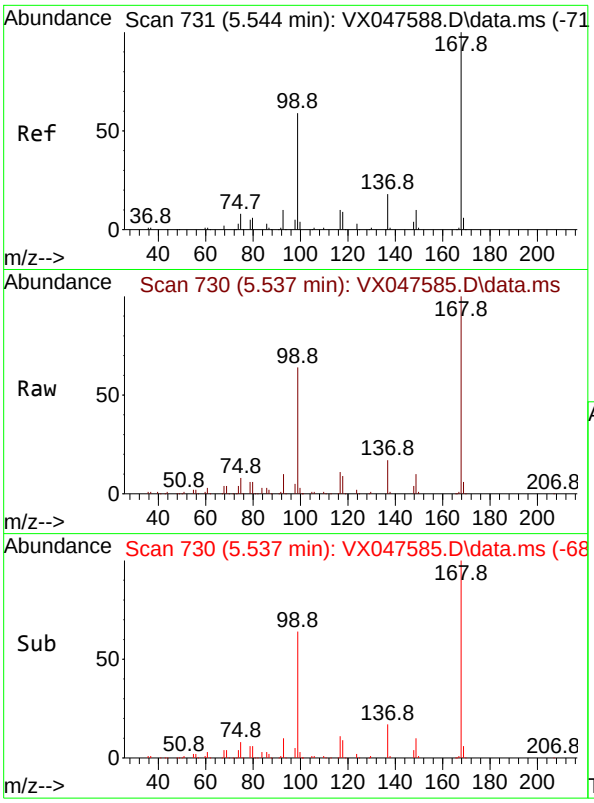
Quant Time: Sep 17 06:09:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

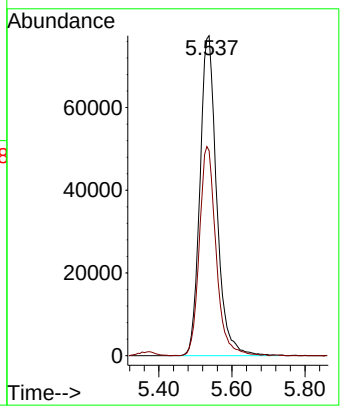





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:168 Resp: 24634

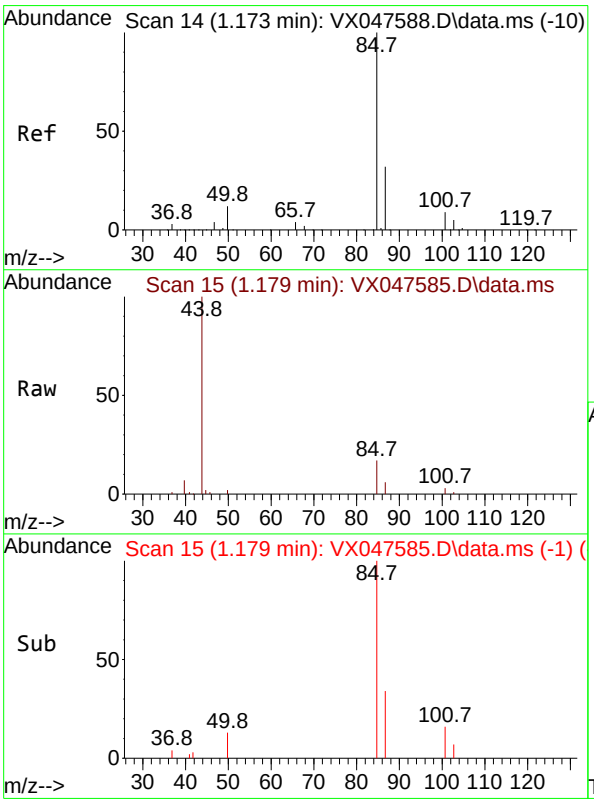
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.0 | 48.8 | 73.2 |




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

**Manual Integrations**
**APPROVED**

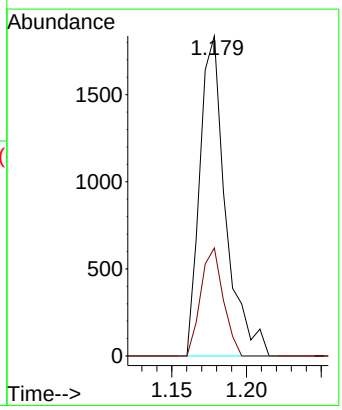
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

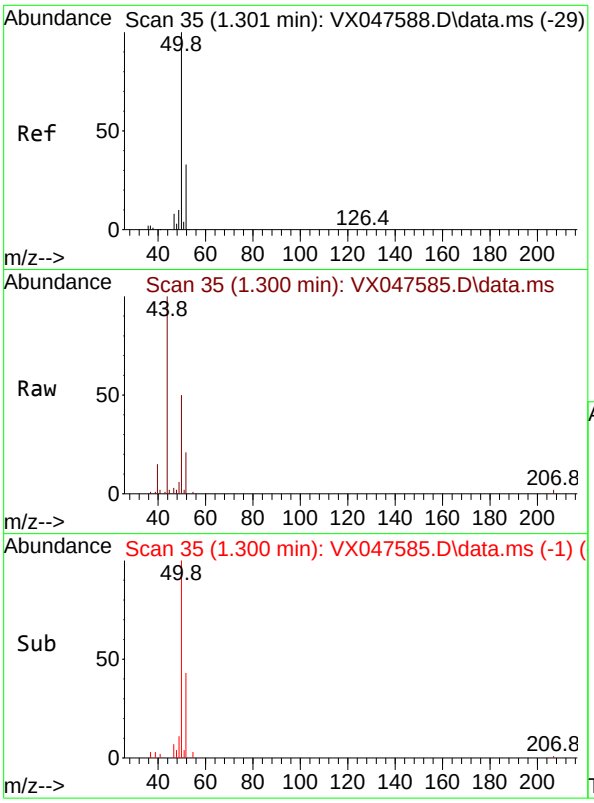



#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.8 | 15.8 | 47.3 |

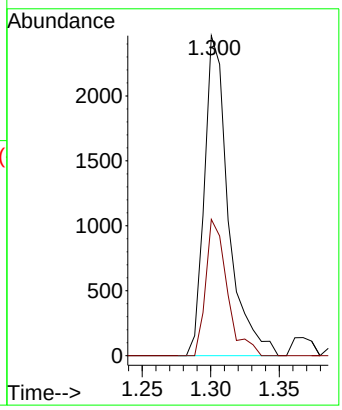





#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 50 Resp: 300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 42.6 | 26.1 | 39.1# |




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

**Manual Integrations**
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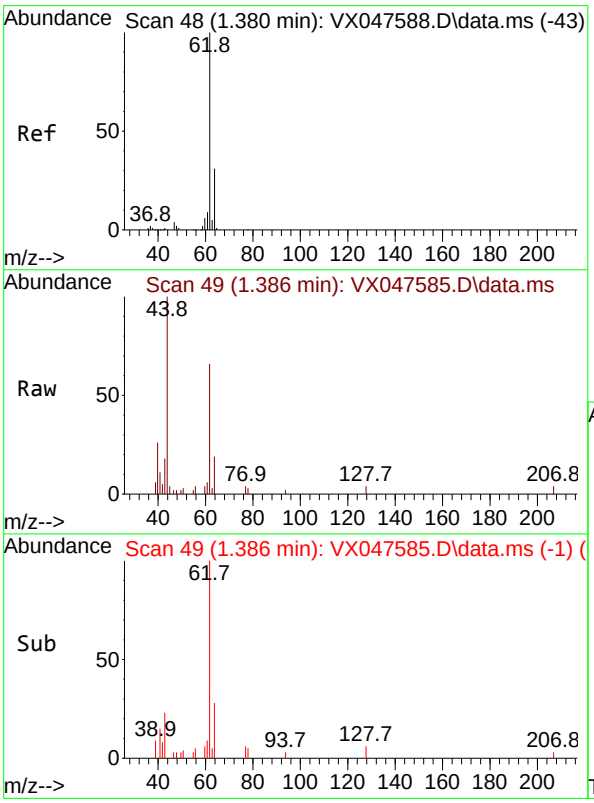
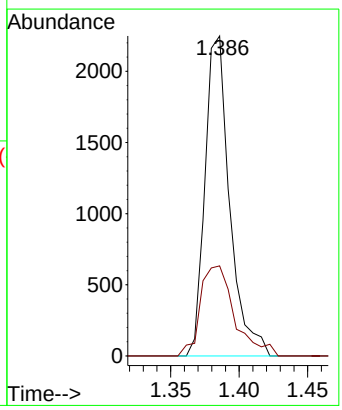
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

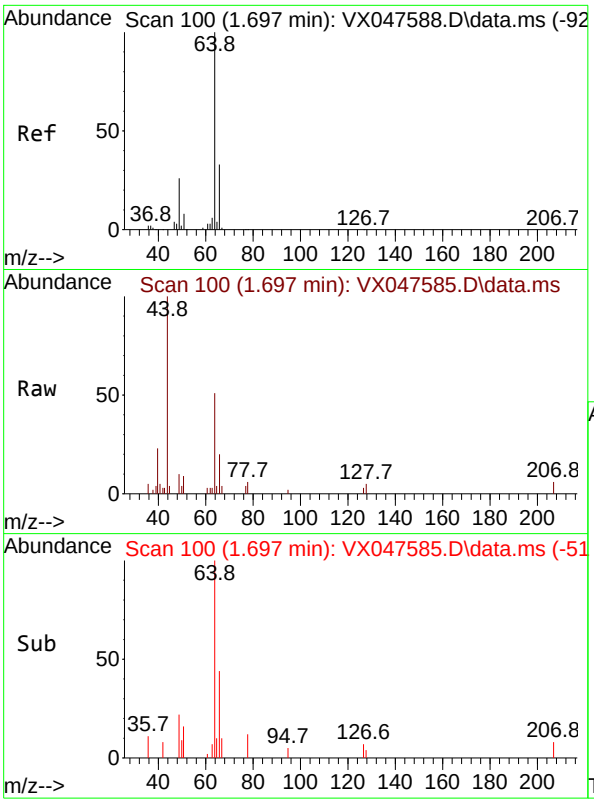



#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.2 | 24.9 | 37.3 |

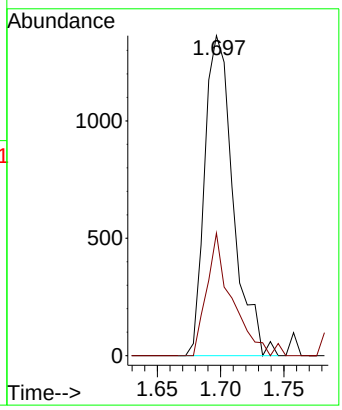





#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.4 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
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VSTDICC001

**Manual Integrations**
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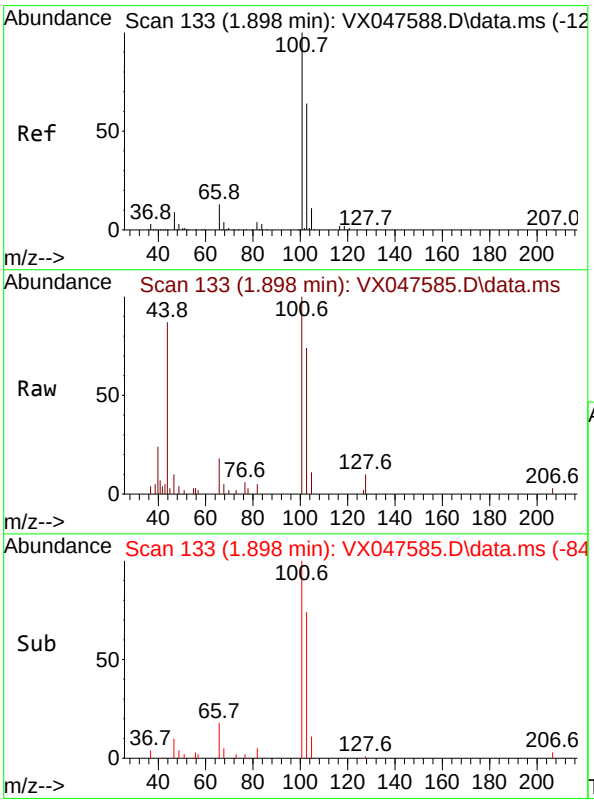
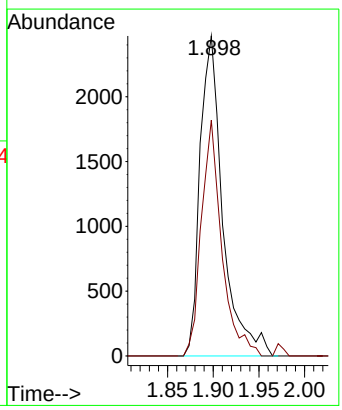
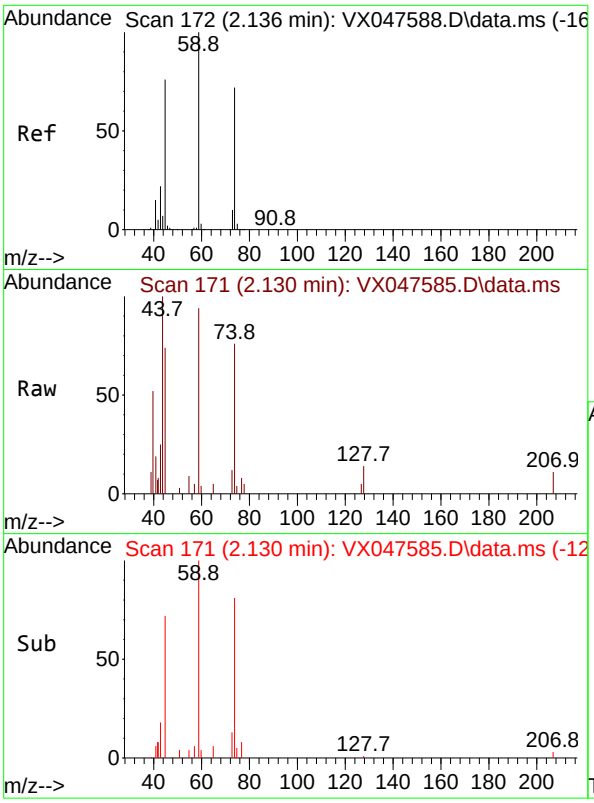



#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 133
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 4261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 73.7 | 51.4 | 77.2 |






#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.2 | 52.3 | 156.8 |

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

**Manual Integrations**
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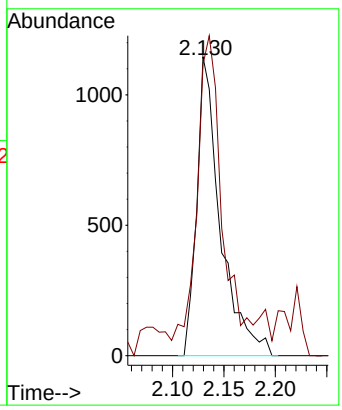
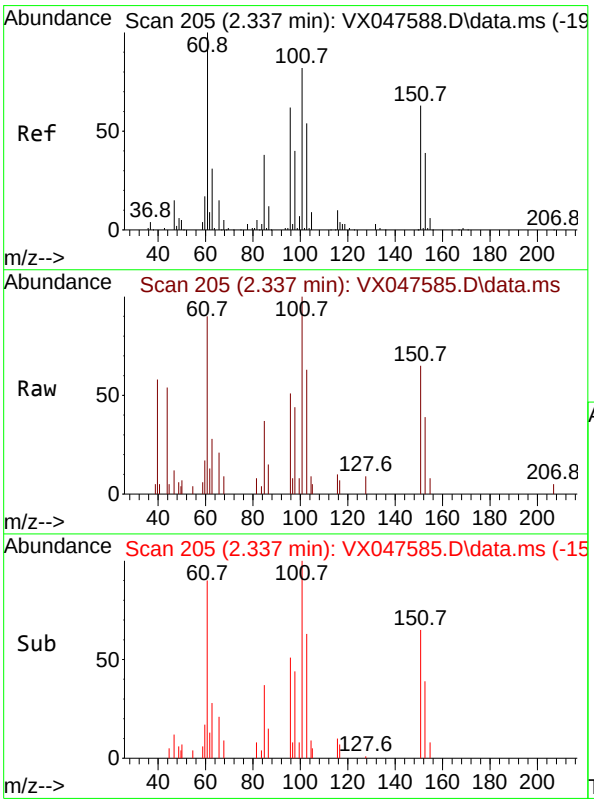
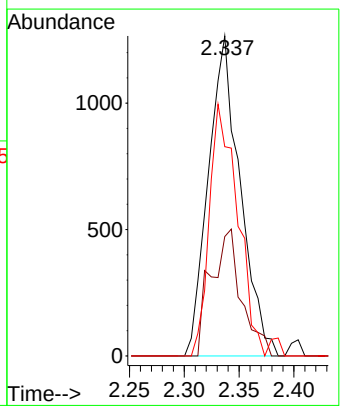


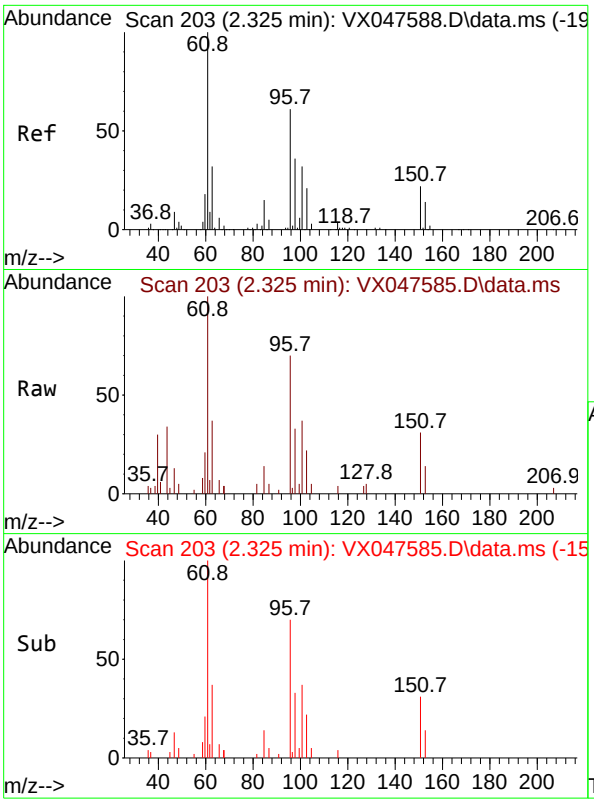




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:101 Resp: 2555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 37.8 | 35.5 | 53.3 |
| 151 | 69.9 | 59.4 | 89.0 |

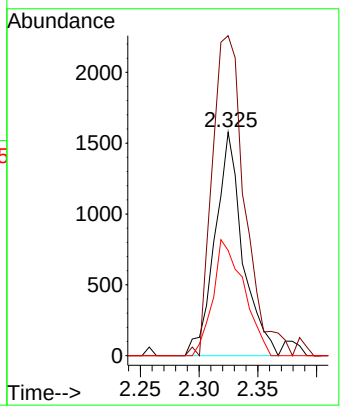





#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.3 | 131.0 | 196.6 |
| 98 | 45.2 | 47.7 | 71.5 |




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

**Manual Integrations**
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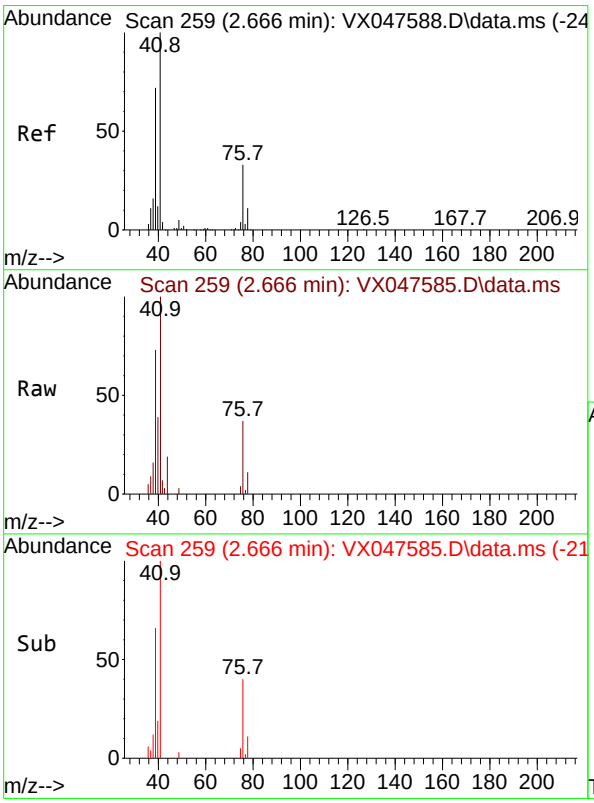
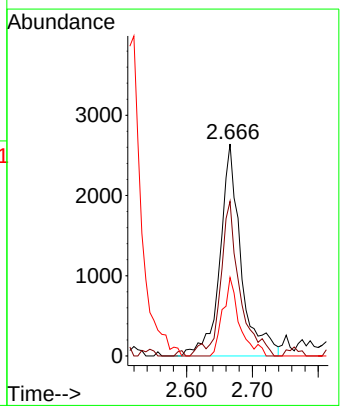
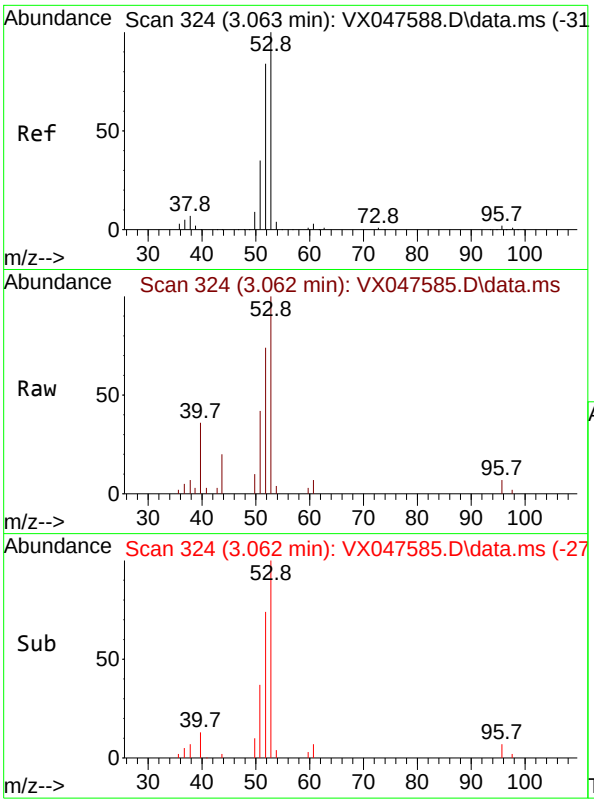



#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.3 | 54.7 | 82.1 |
| 76 | 29.3 | 25.7 | 38.5 |

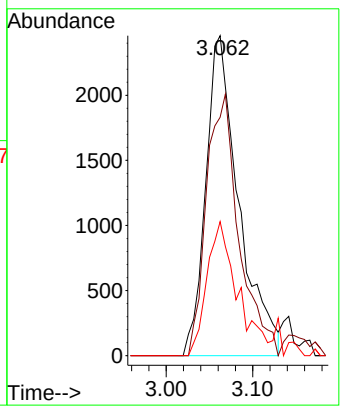





#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 53 Resp: 650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.3 | 66.4 | 99.6 |
| 51 | 38.7 | 29.5 | 44.3 |




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

**Manual Integrations**
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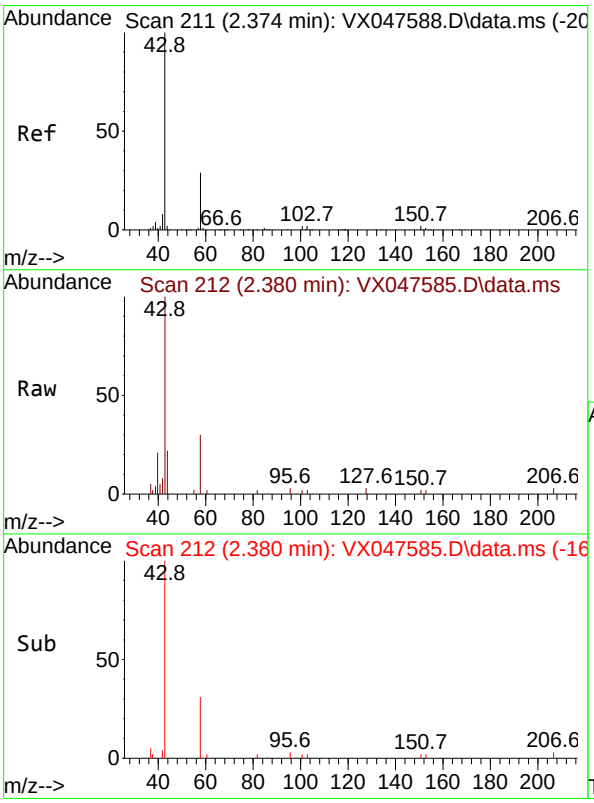
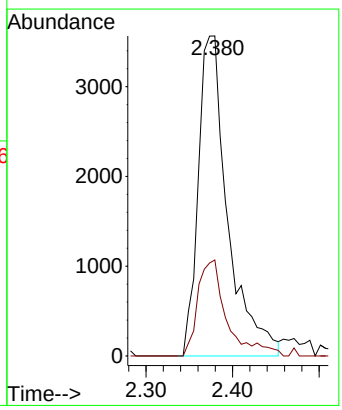
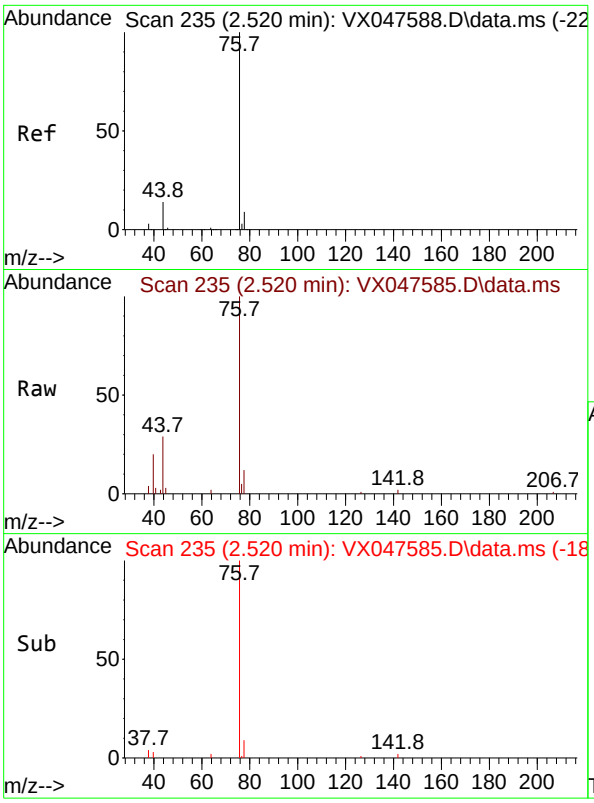



#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.0 |






#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.6 | 6.8 | 10.2 |

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

**Manual Integrations**
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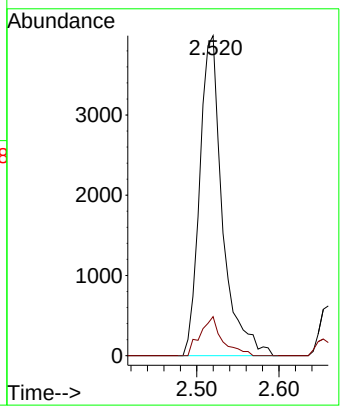
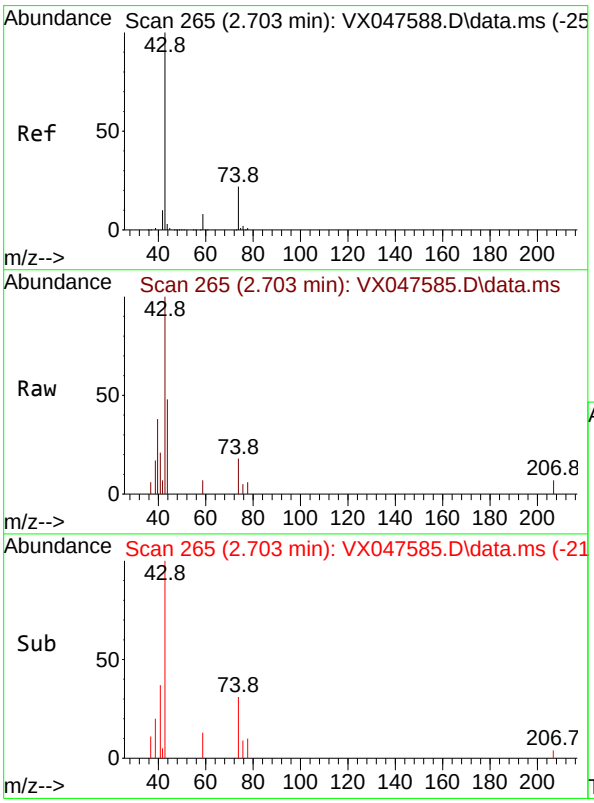
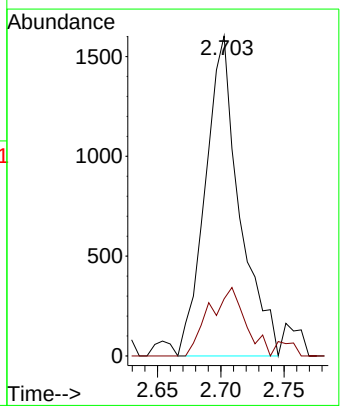


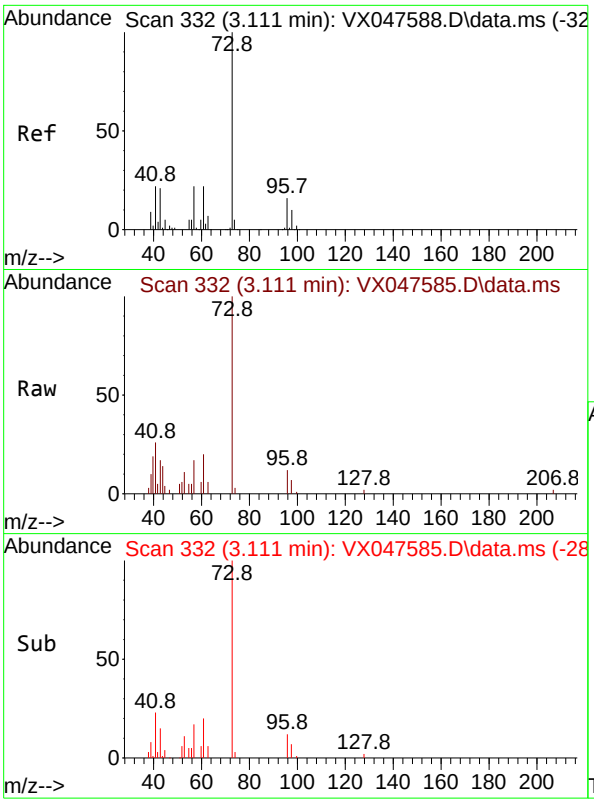




#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |

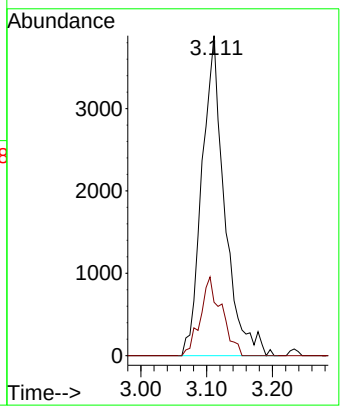





#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 73 Resp: 928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 16.7 | 17.4 | 26.2 |




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

**Manual Integrations**
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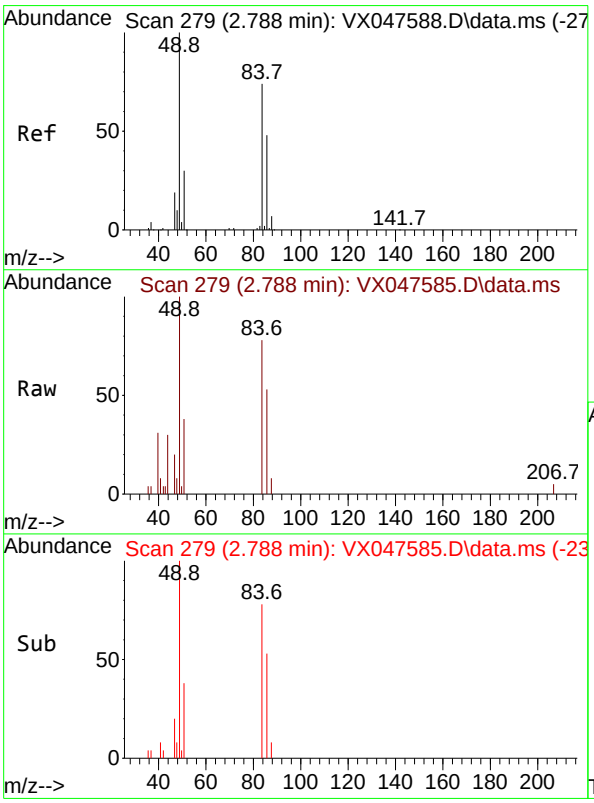
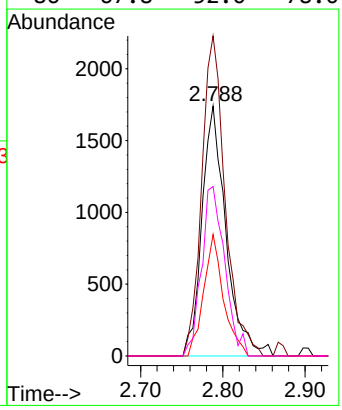
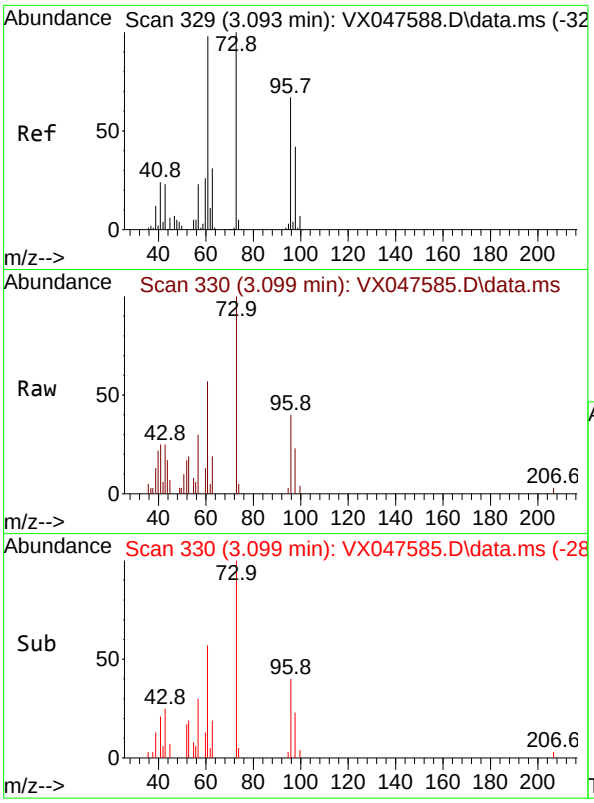



#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.0 | 108.6 | 162.8 |
| 51 | 48.6 | 32.6 | 48.8 |
| 86 | 67.8 | 52.0 | 78.0 |

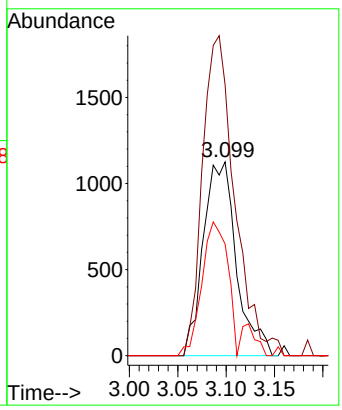





#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 116.2 | 174.2 |
| 98 | 57.6 | 49.3 | 73.9 |




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

**Manual Integrations**
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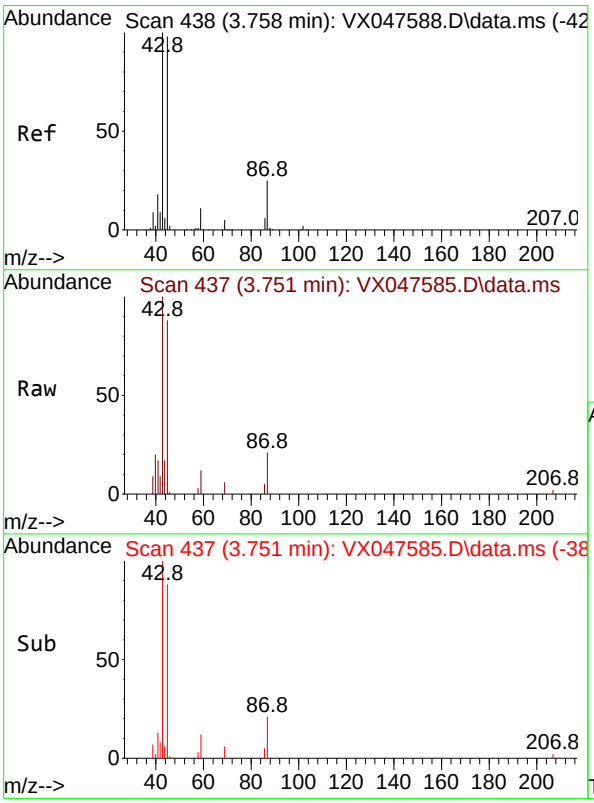
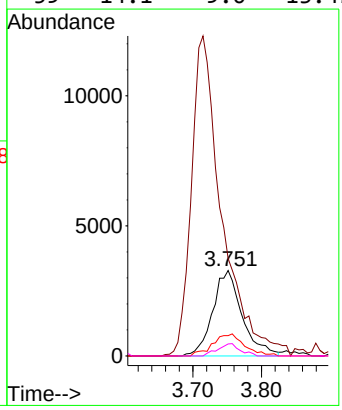
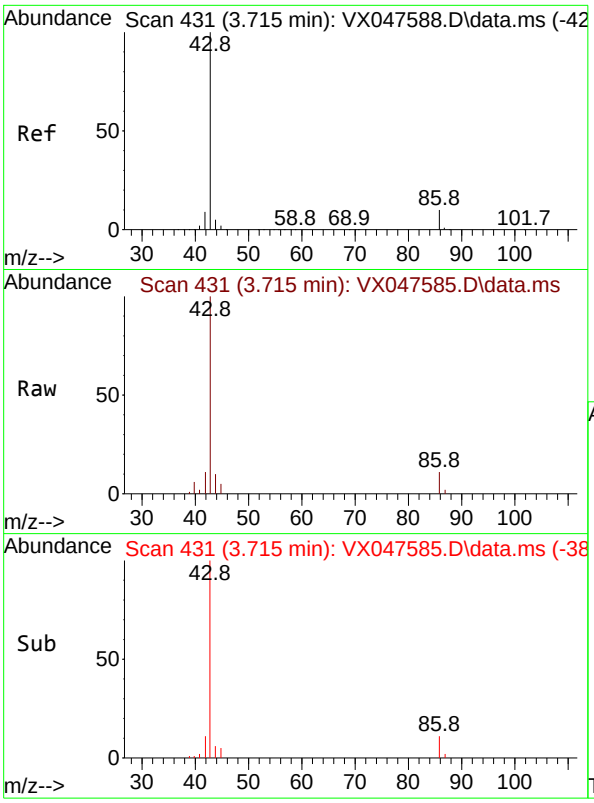



#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.9 | 81.0 | 121.4 |
| 87 | 23.7 | 20.3 | 30.5 |
| 59 | 14.1 | 9.0 | 13.4# |






#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.8 | 11.8 |

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

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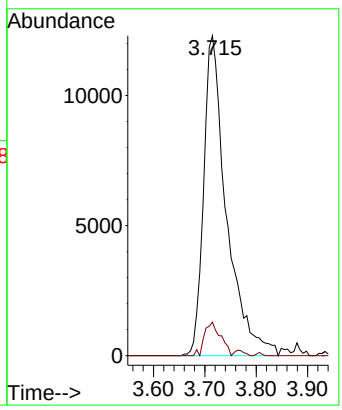
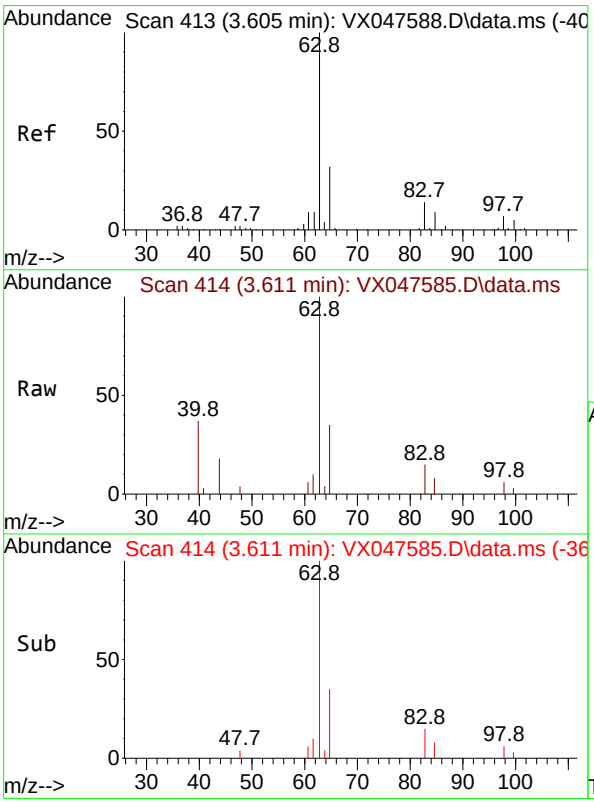
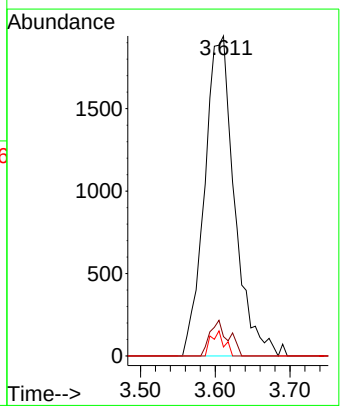


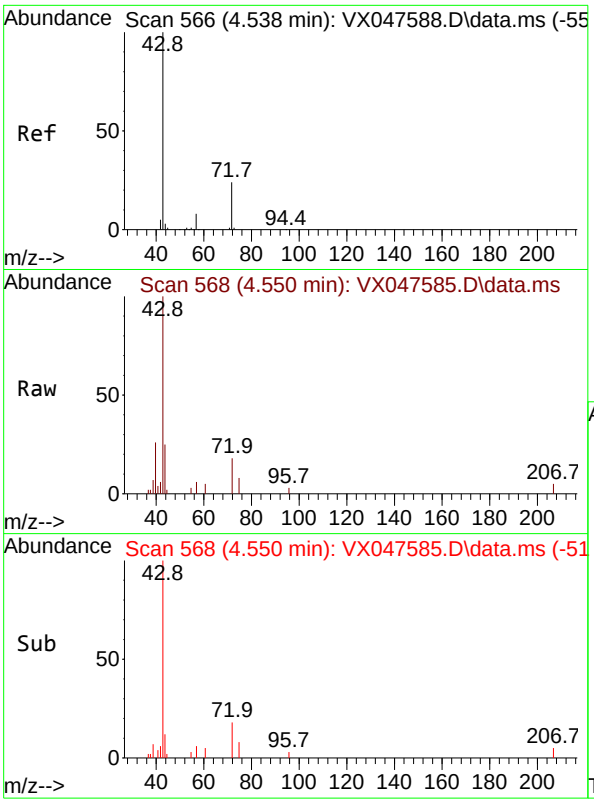




#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.1 | 3.8 | 11.2 |
| 100 | 2.8 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

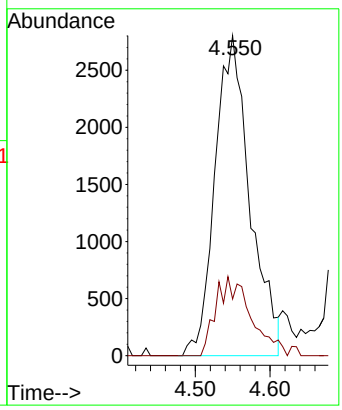
Tgt Ion: 43 Resp: 910

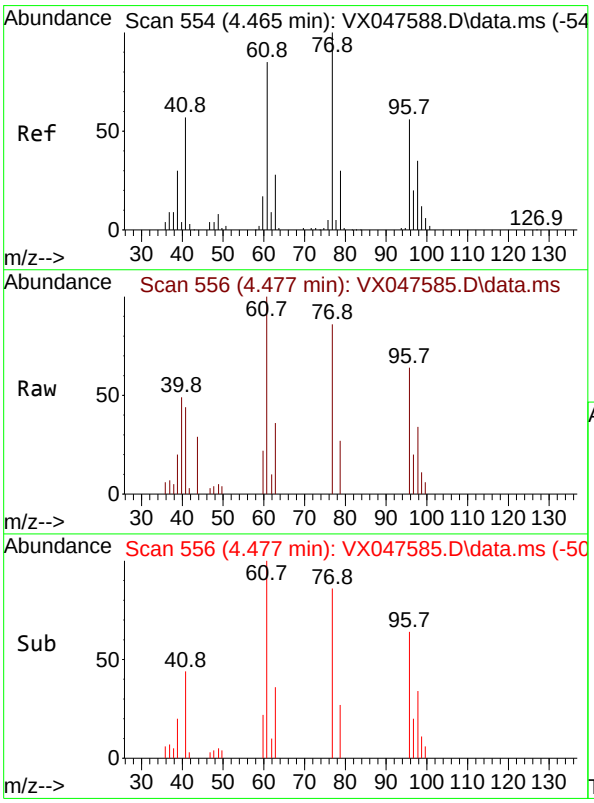
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 16.3 | 20.1 | 30.1# |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

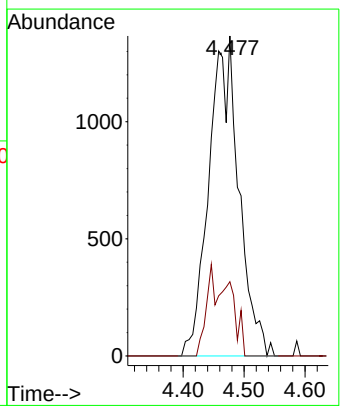


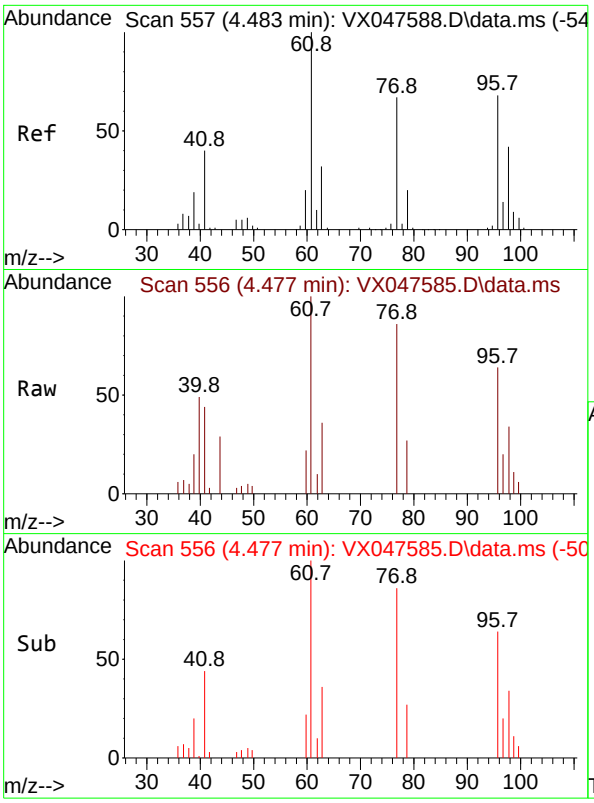




#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 11.0 | 10.9 | 32.7 |

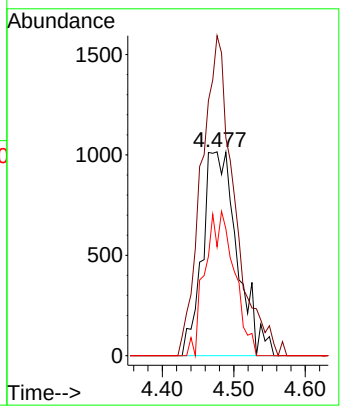





#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 303.2 |
| 98 | 59.4 | 0.0 | 127.8 |




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

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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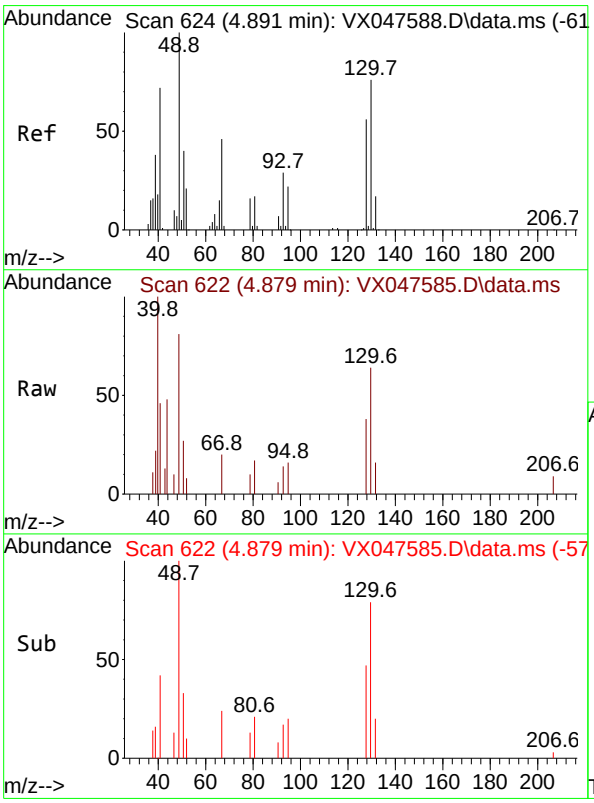
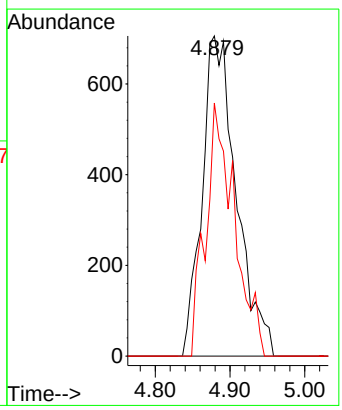
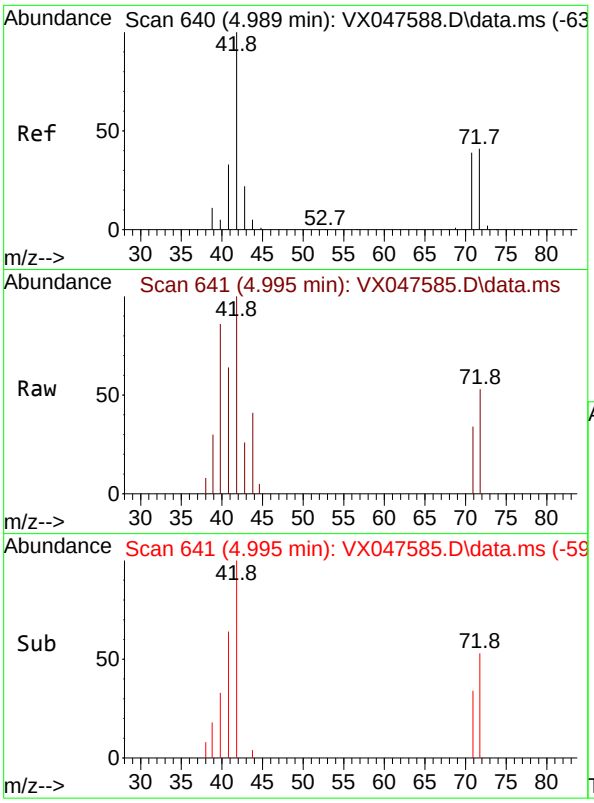



#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.2 |
| 130 | 66.2 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 42 Resp: 521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.1 | 34.2 | 51.2 |
| 71 | 41.3 | 31.9 | 47.9 |

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

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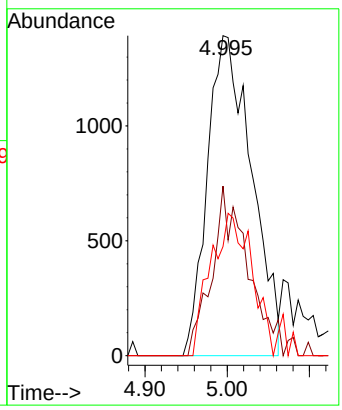
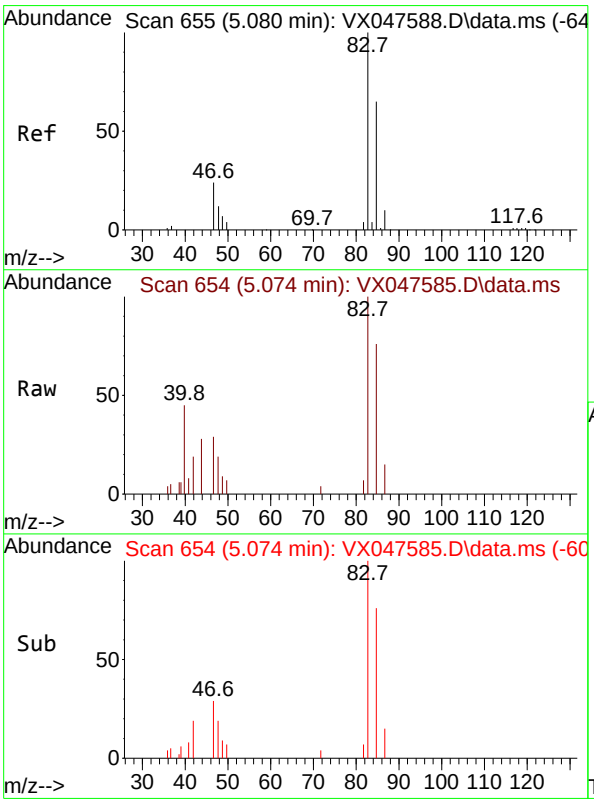
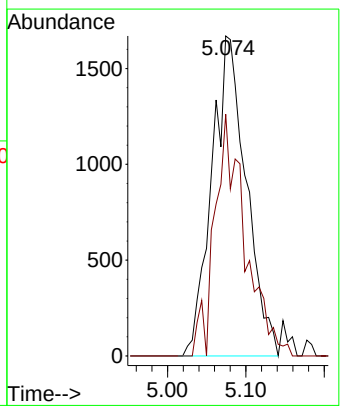


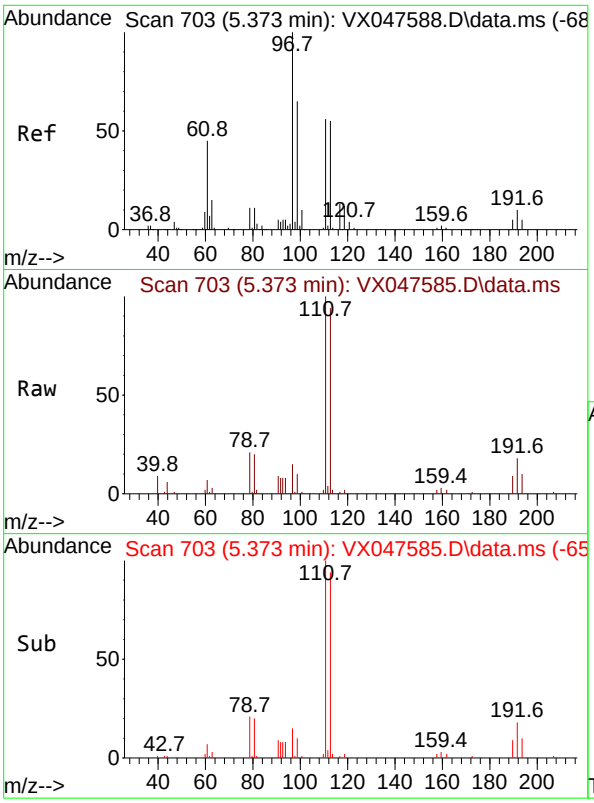




#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 75.6 | 51.8 | 77.6 |






#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.6 | 76.0 |
| 61 | 36.2 | 35.8 | 53.8 |

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

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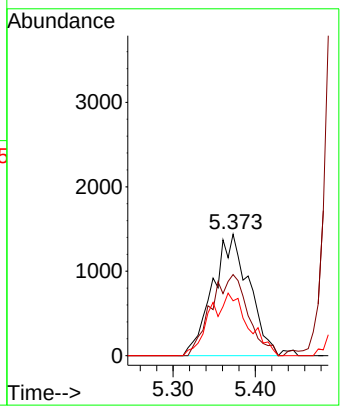
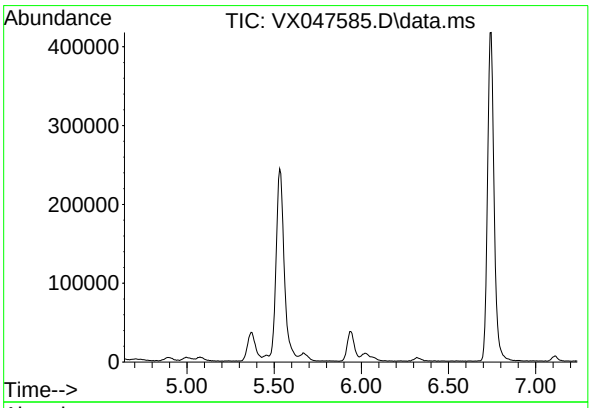


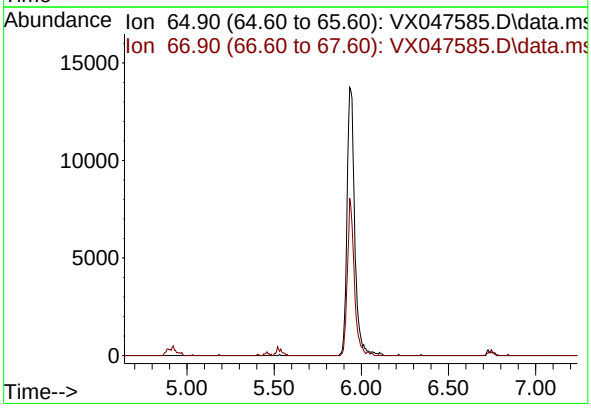



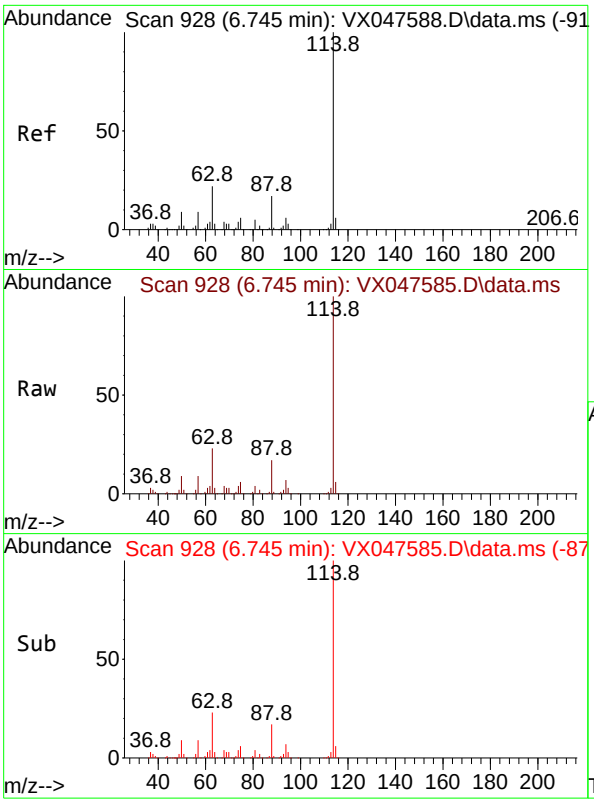

#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.94 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 65

| Sig | Exp Ratio |
|---|---|
| 65 | 100 |
| 67 | 51.5 |






#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 45150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 34.2 |

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

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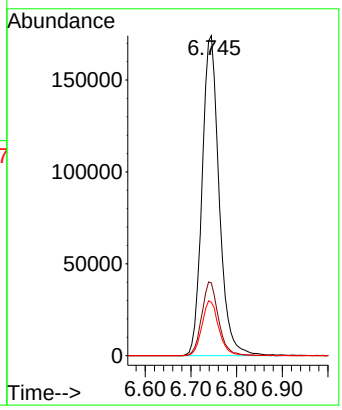
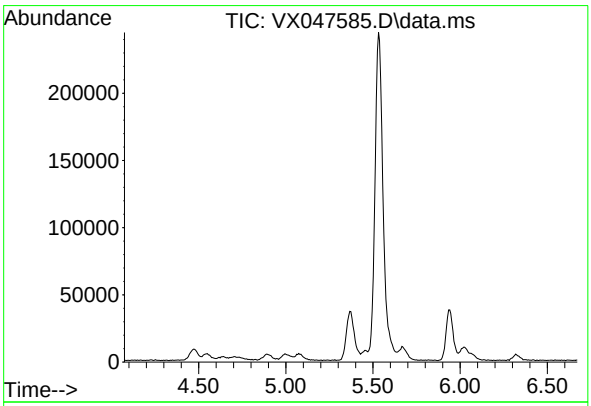


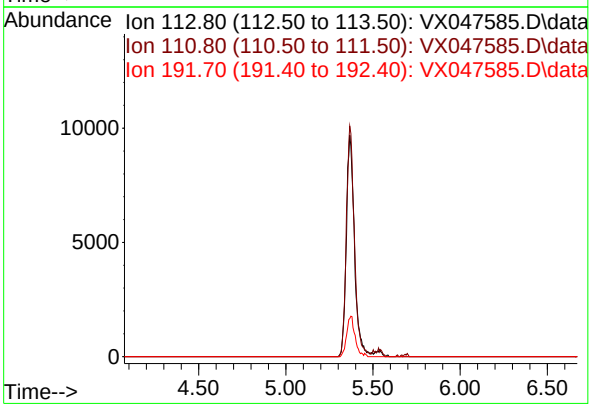



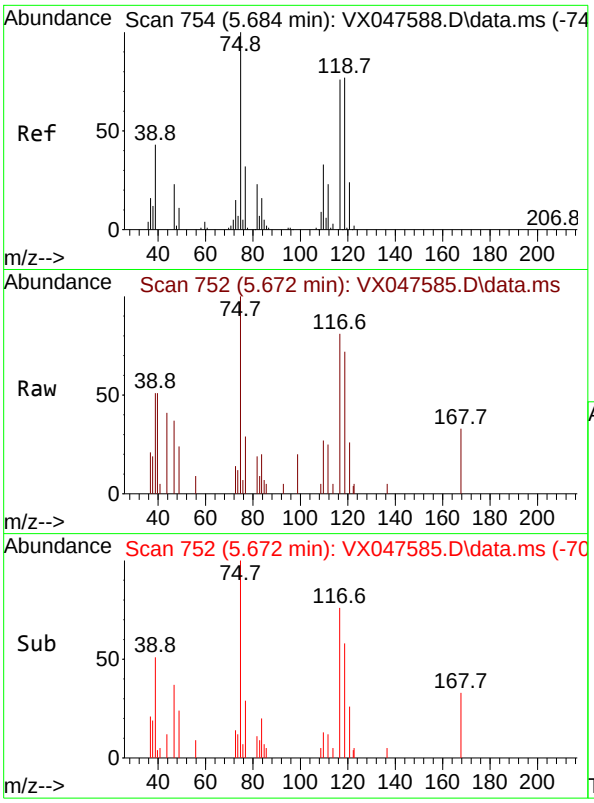

#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.37 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 113

| Sig | Exp Ratio |
|---|---|
| 113 | 100 |
| 111 | 101.1 |
| 192 | 17.8 |

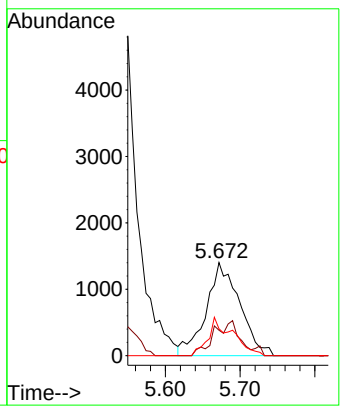





#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 16.7 | 50.1# |
| 77 | 30.0 | 24.3 | 36.5 |




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

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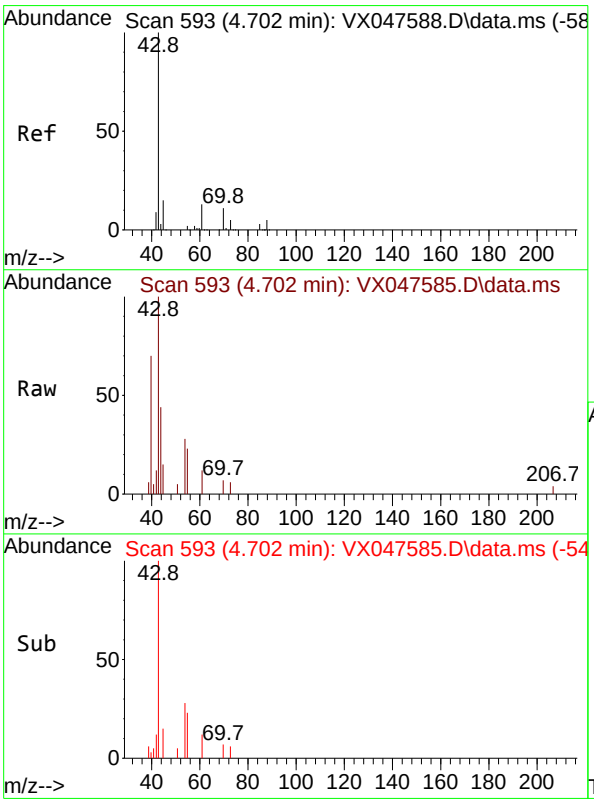
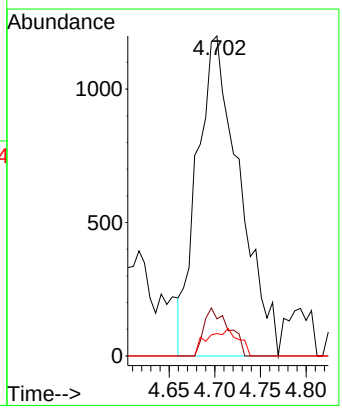
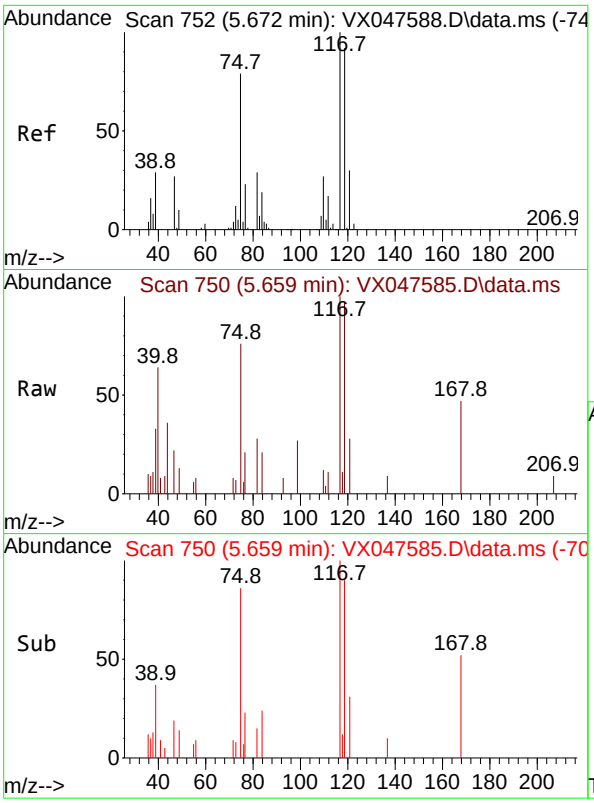



#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 593
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 8.9 | 9.8 | 14.8# |
| 70 | 6.2 | 7.9 | 11.9# |

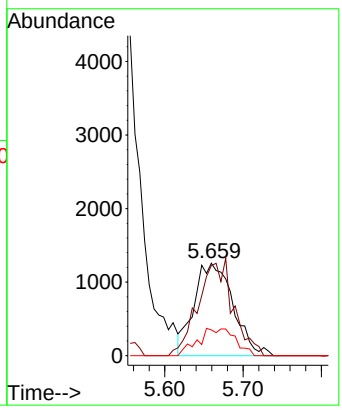





#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.3 | 73.4 | 110.2 |
| 121 | 27.8 | 23.8 | 35.6 |




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

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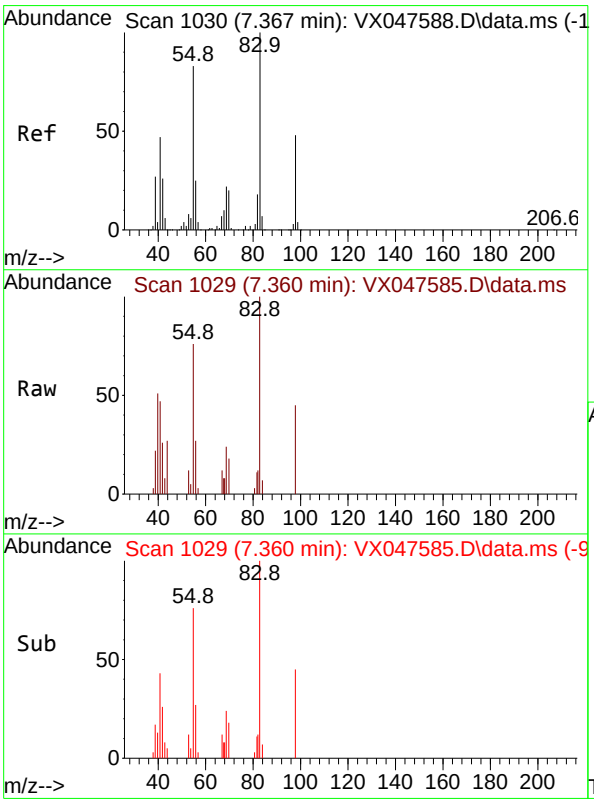
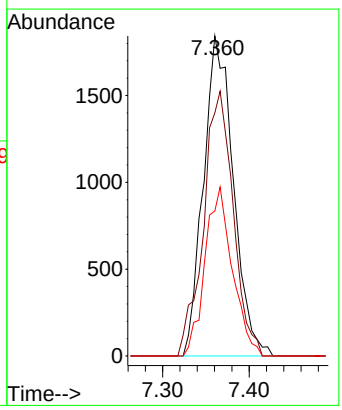
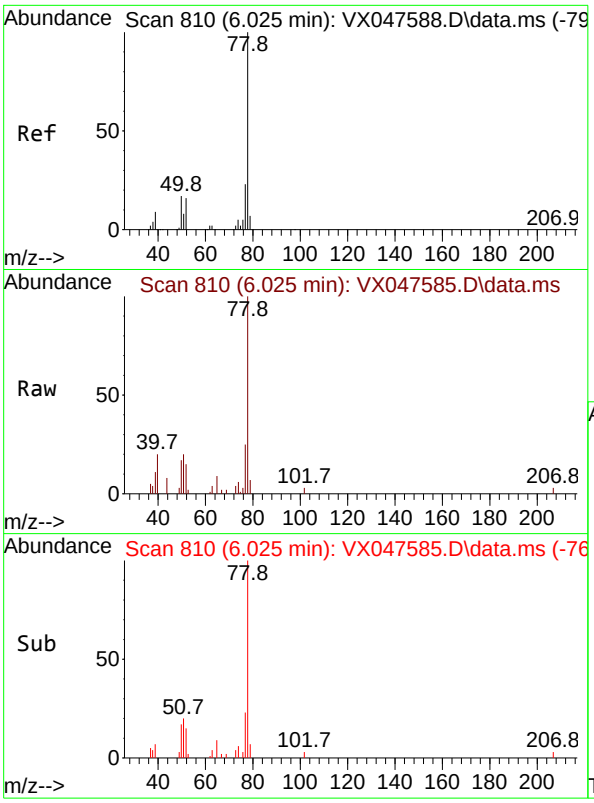



#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.0 | 66.4 | 99.6 |
| 98 | 45.3 | 38.1 | 57.1 |






#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 1201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 18.8 | 28.2 |

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

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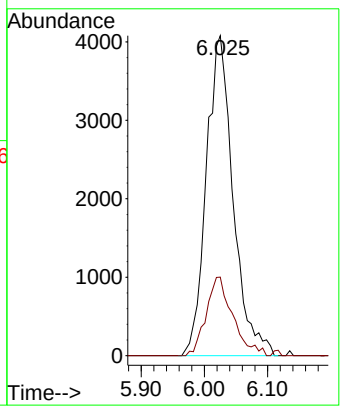
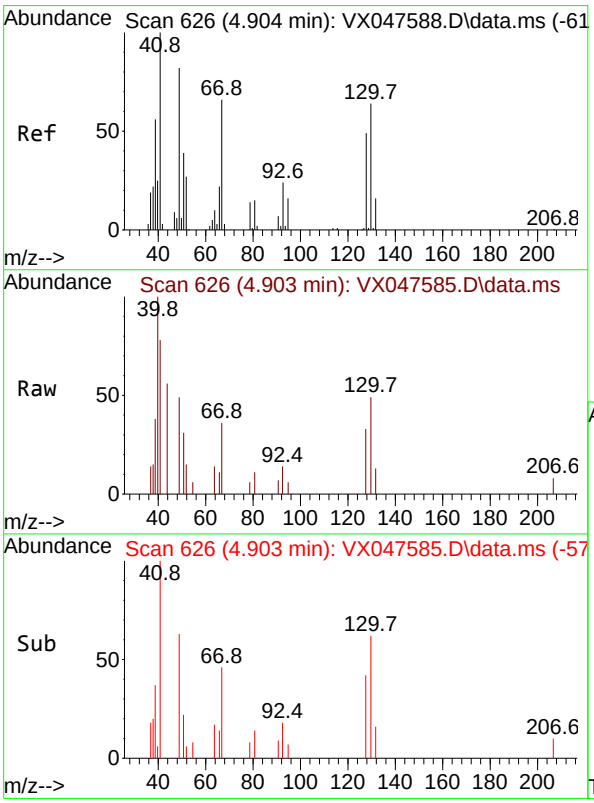
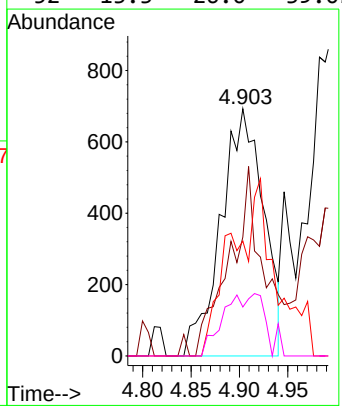


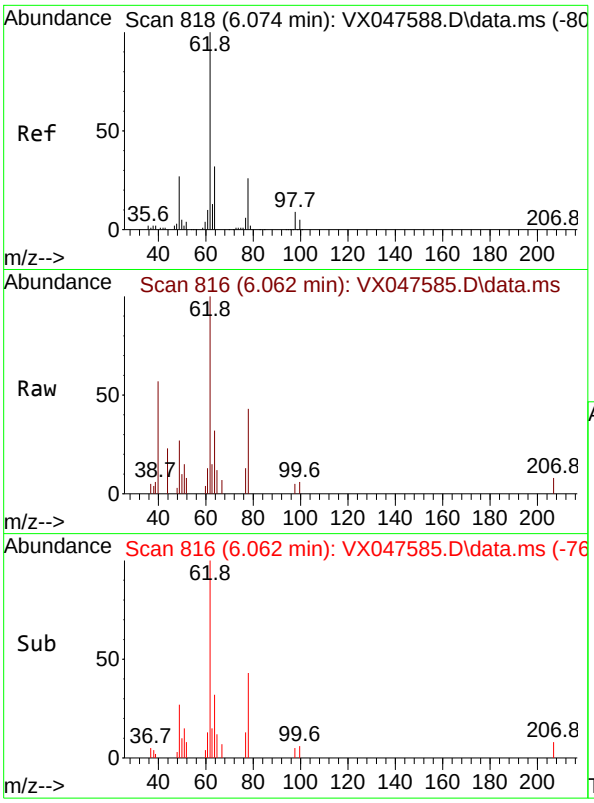




#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 2128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.3 | 43.3 | 64.9 |
| 67 | 23.5 | 58.6 | 87.8# |
| 52 | 13.3 | 26.0 | 39.0# |






#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 1.4 | 0.0 | 17.0 |

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

**Manual Integrations**
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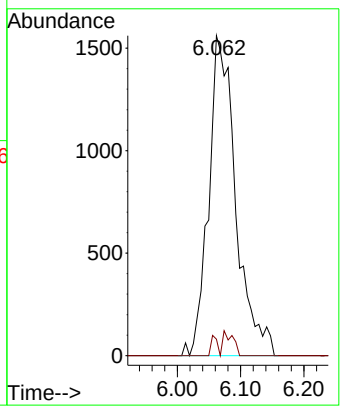
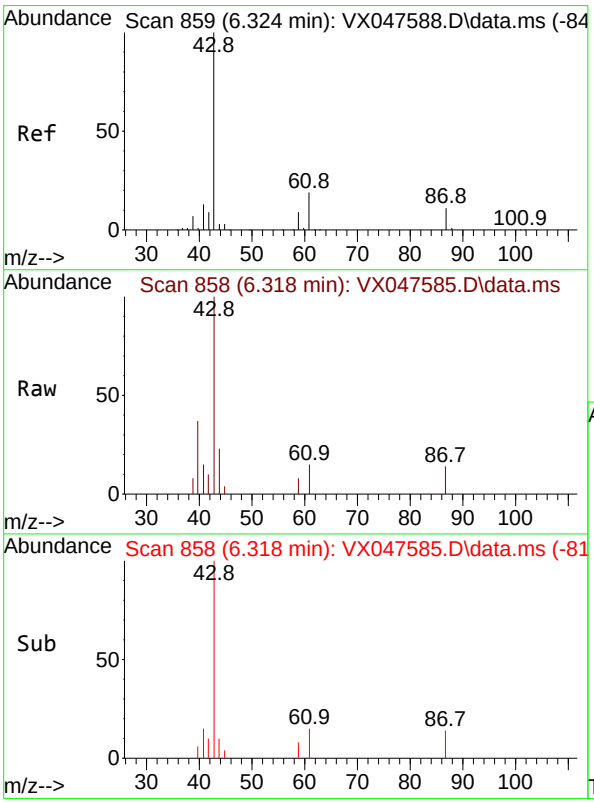
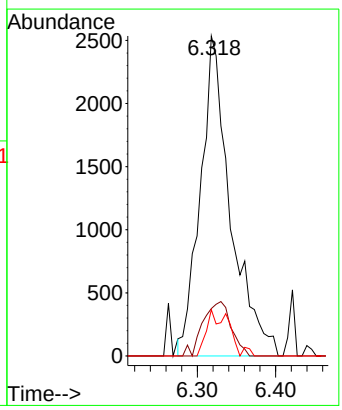


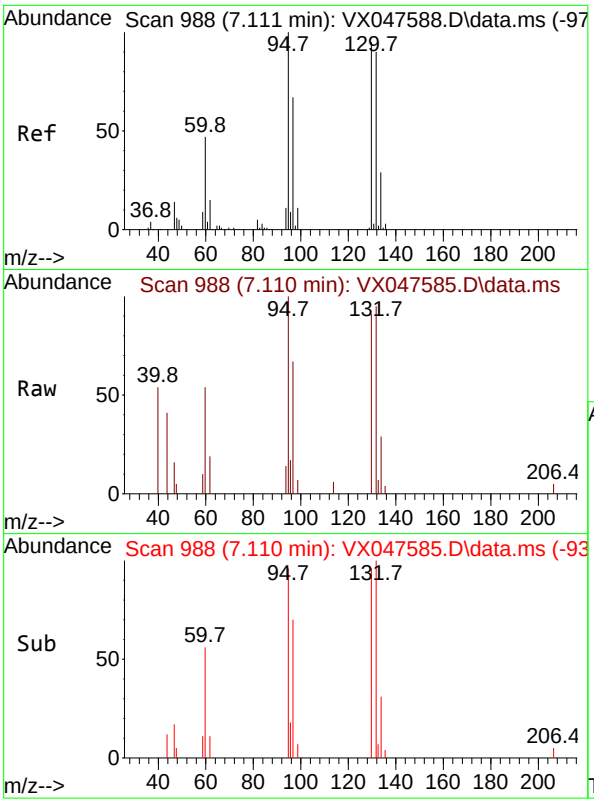




#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 858
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 6784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 15.9 | 15.2 | 22.8 |
| 87 | 10.1 | 9.6 | 14.4 |






#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 127.9 | 0.0 | 210.8 |

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

**Manual Integrations**
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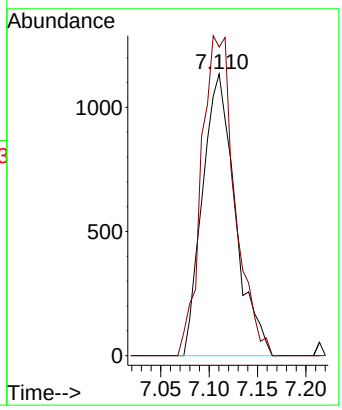
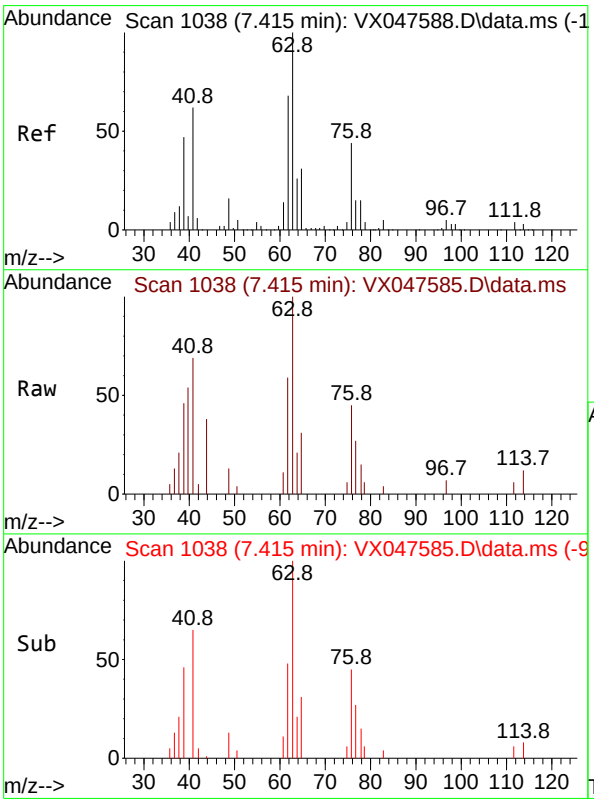
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

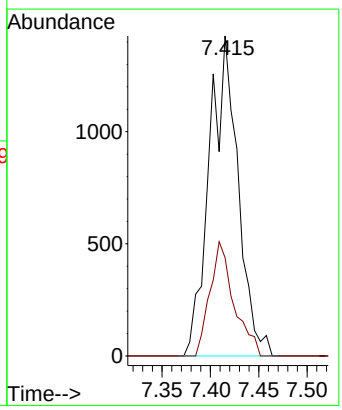


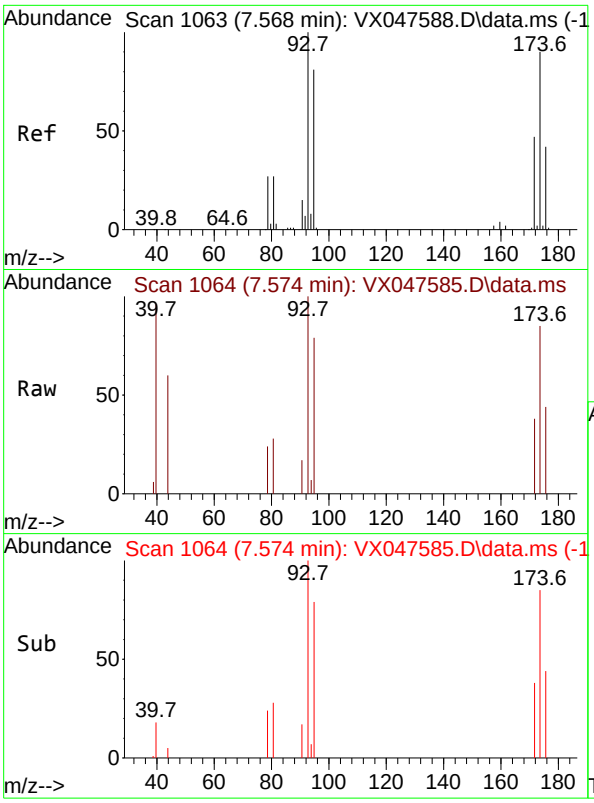




#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 2945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |

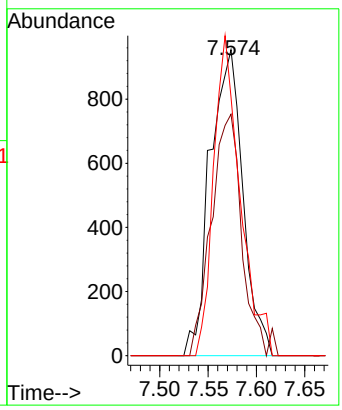





#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 224

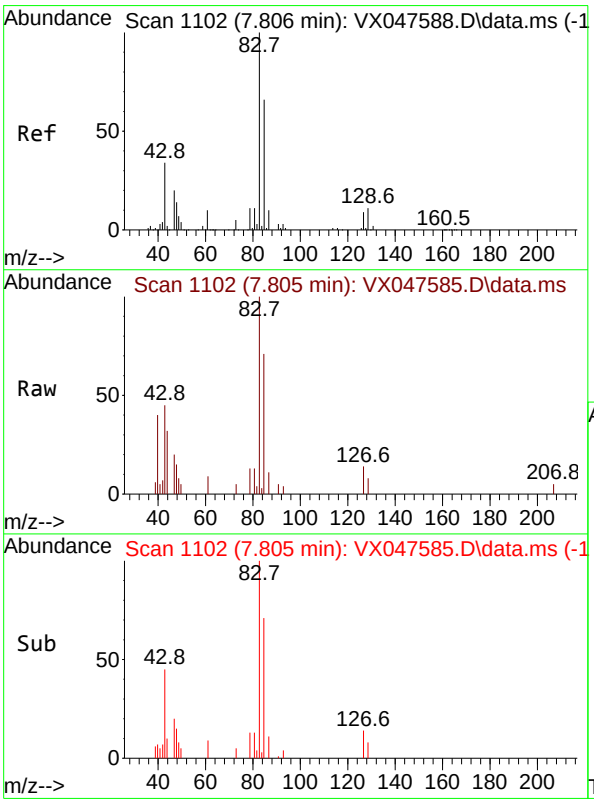
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 74.4 | 65.0 | 97.6 |
| 174 | 85.1 | 71.6 | 107.4 |




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

**Manual Integrations**
**APPROVED**

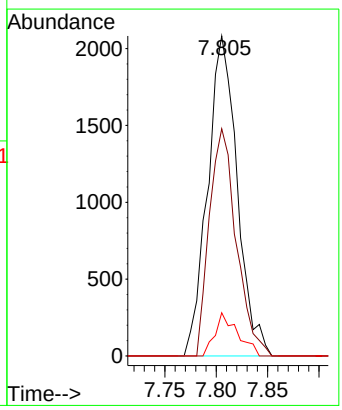
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

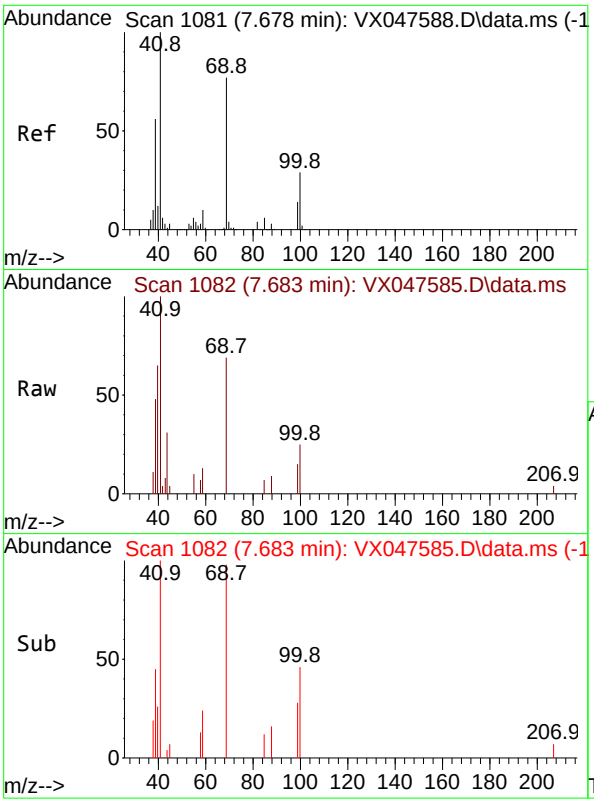



#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 4167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 71.0 | 52.5 | 78.7 |
| 127 | 13.5 | 6.9 | 10.3# |

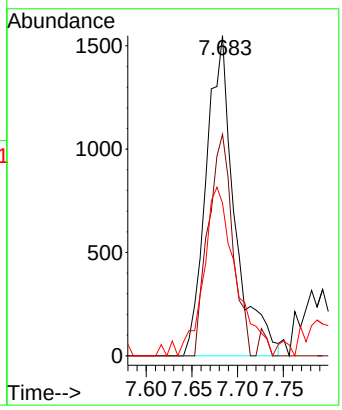





#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 59.3 | 61.4 | 92.2# |
| 39 | 59.5 | 45.8 | 68.6 |




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

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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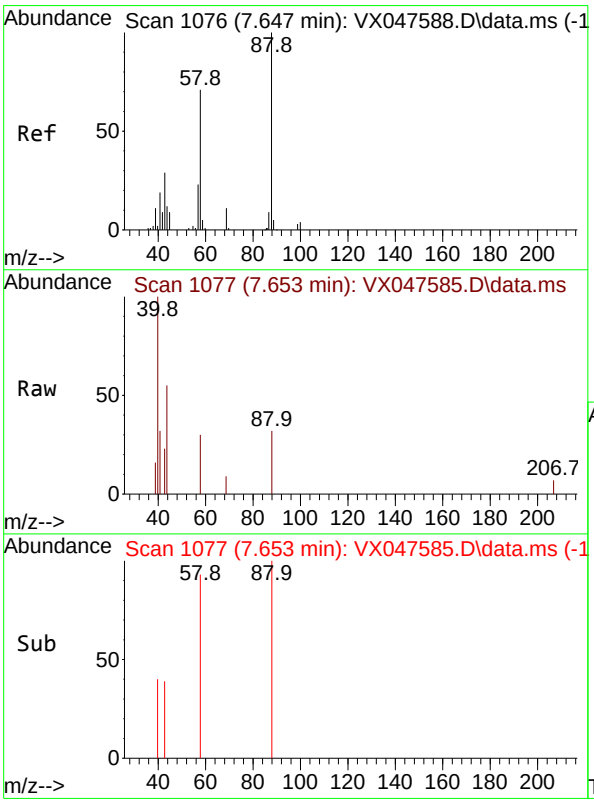
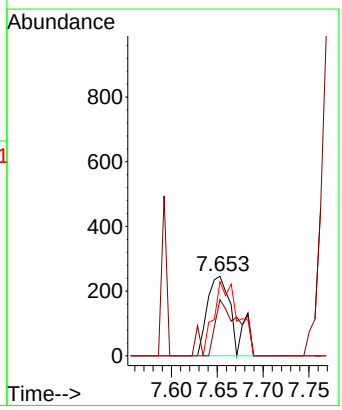
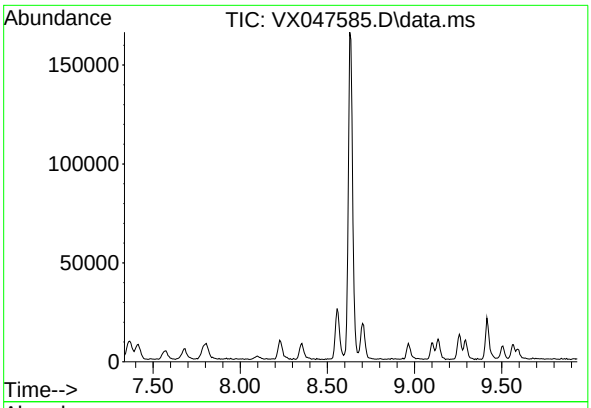



#49
1,4-Dioxane
Concen: 12.477 ug/l m
RT: 7.653 min Scan# 1077
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 88 Resp: 488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 64.1 | 30.2 | 45.2# |
| 58 | 88.9 | 59.5 | 89.3 |






#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.63 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98

| Sig | Exp Ratio |
|---|---|
| 98 | 100 |
| 100 | 66.2 |

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

**Manual Integrations**
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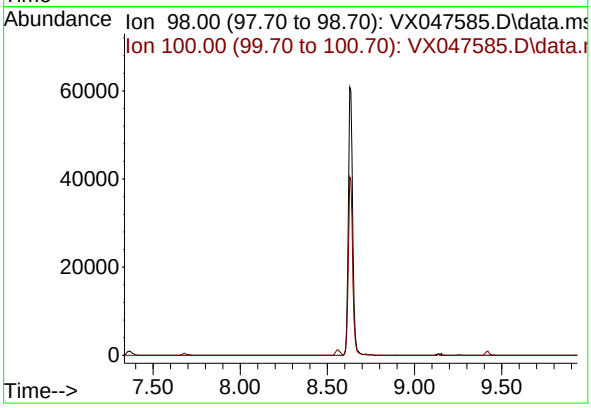
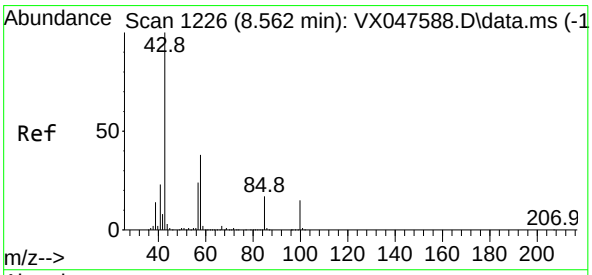
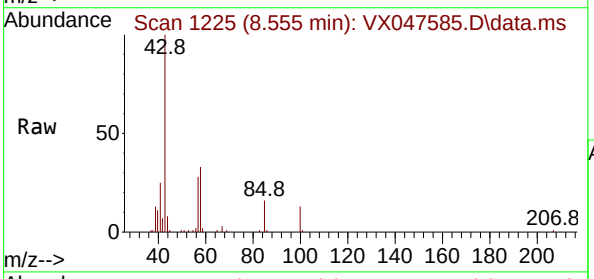
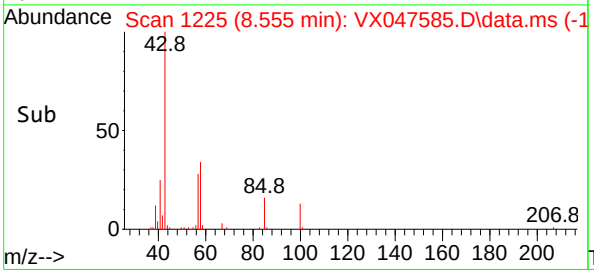


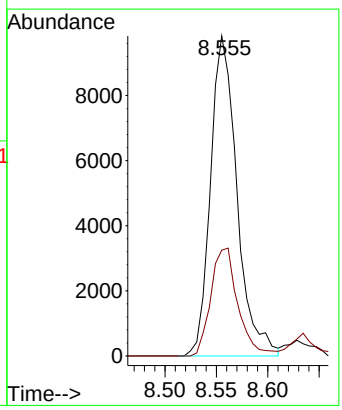



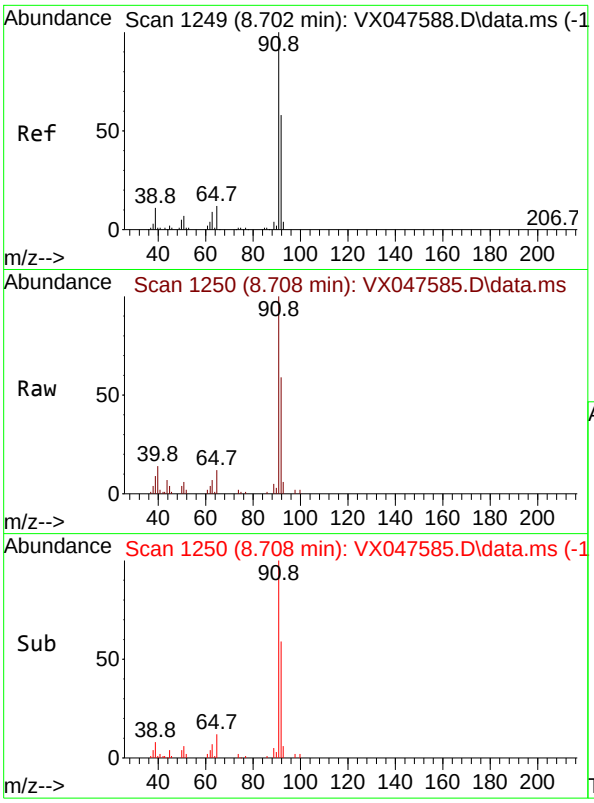




#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 17596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.7 | 30.3 | 45.5 |

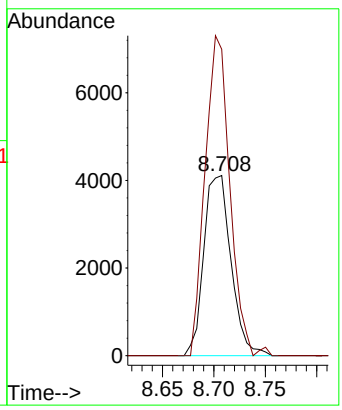





#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 160.7 | 137.1 | 205.7 |




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

**Manual Integrations**
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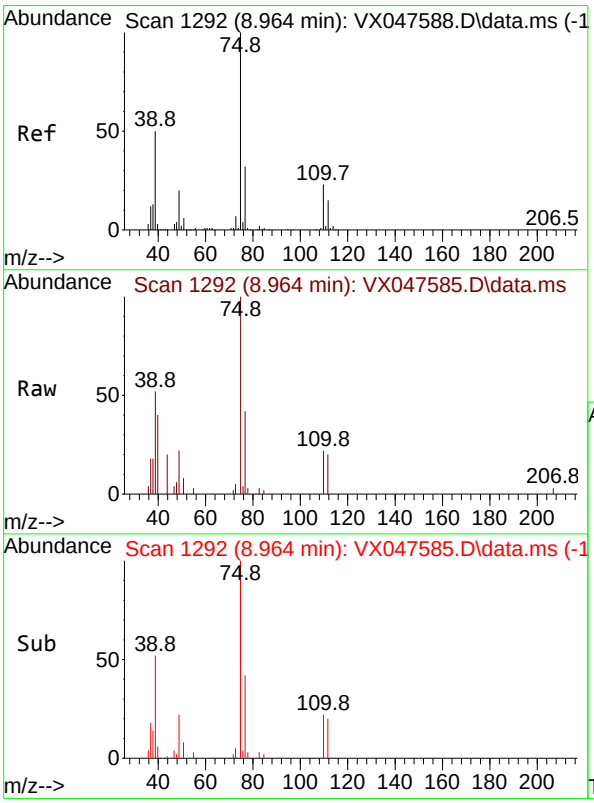
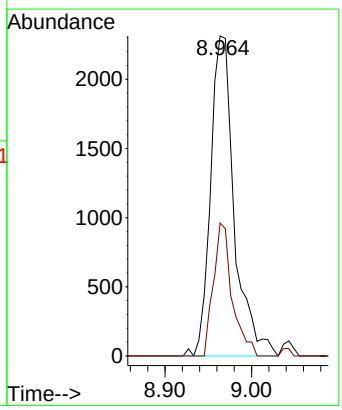
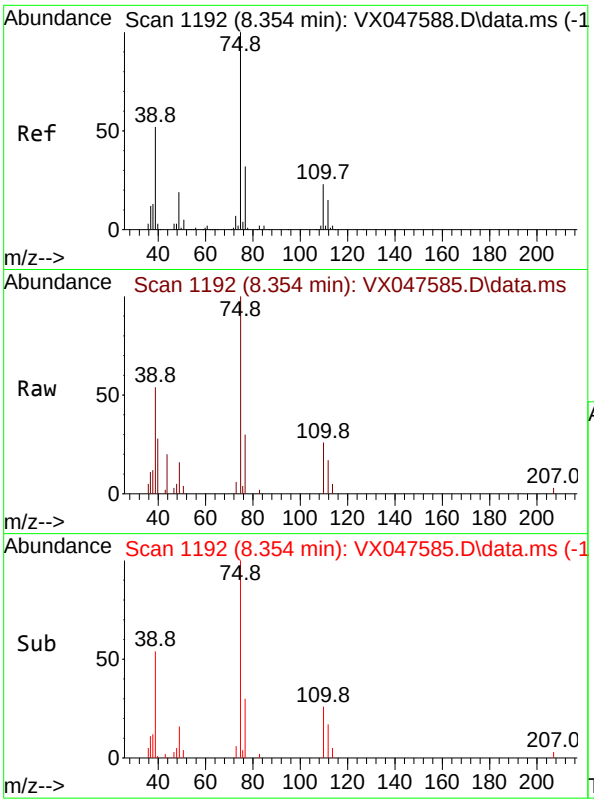



#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1292
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.5 | 25.4 | 38.2# |

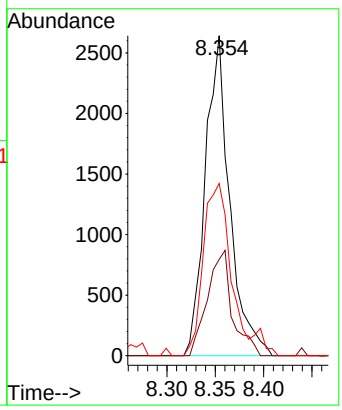





#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.1 | 25.8 | 38.6 |
| 39 | 25.6 | 41.4 | 62.2# |




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

**Manual Integrations**
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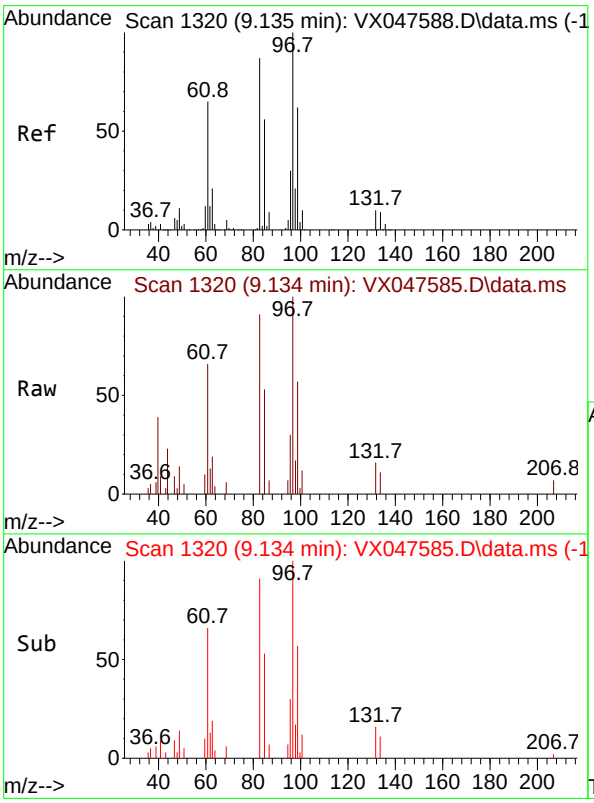
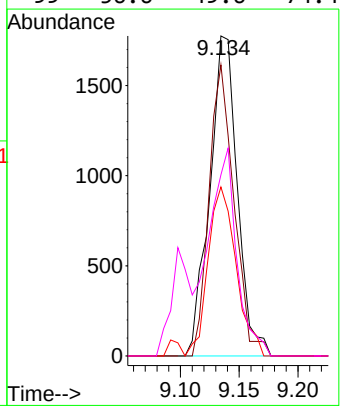
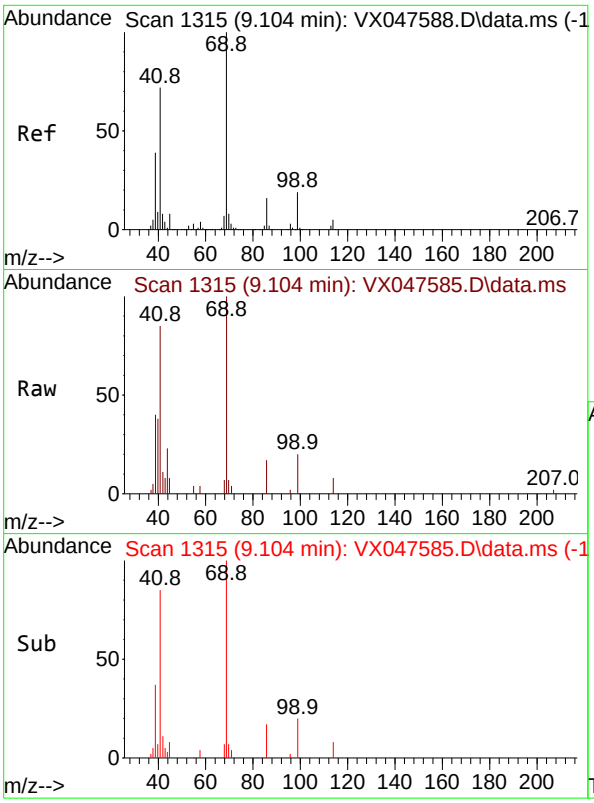



#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1320
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 2918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.9 | 69.6 | 104.4 |
| 85 | 52.8 | 45.0 | 67.6 |
| 99 | 56.6 | 49.6 | 74.4 |

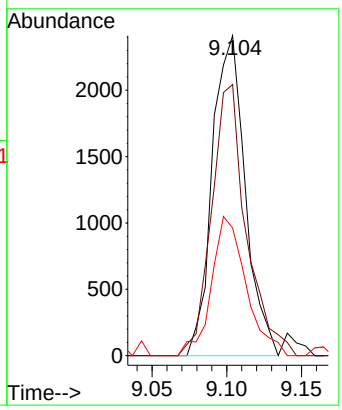





#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 89.4 | 58.6 | 87.8 |
| 39 | 46.0 | 31.5 | 47.3 |




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

**Manual Integrations**
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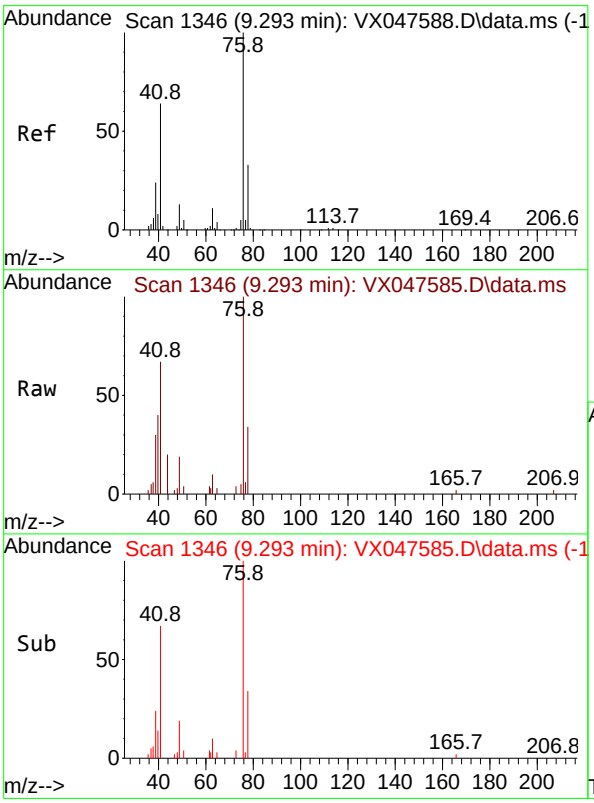
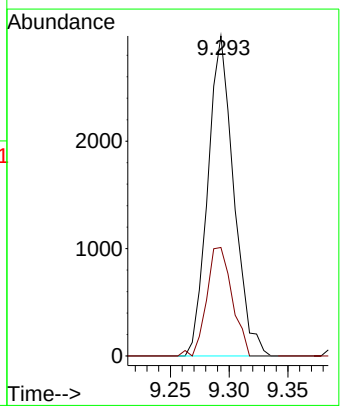
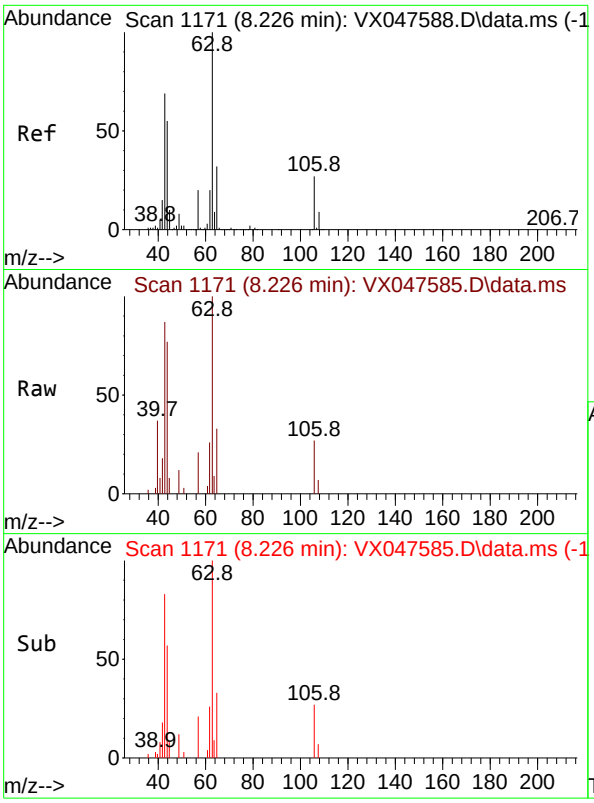



#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 76 Resp: 4580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.2 | 26.2 | 39.4 |






#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 21.9 | 32.9 |

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

**Manual Integrations**
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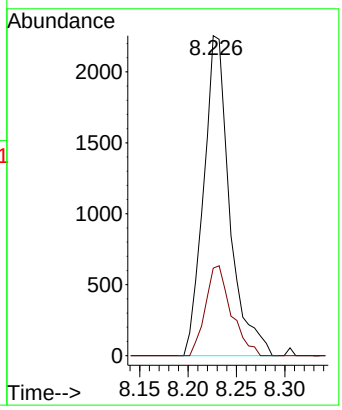
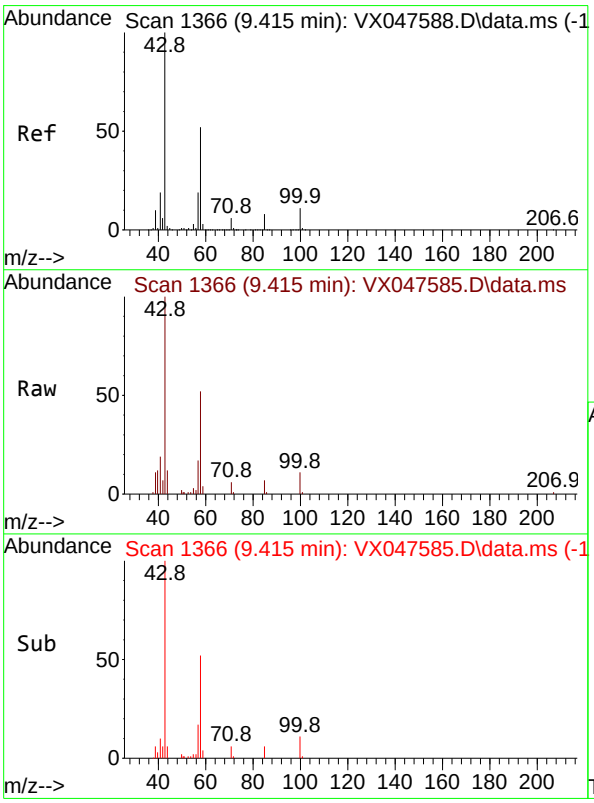
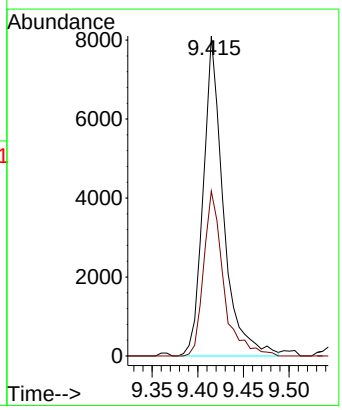


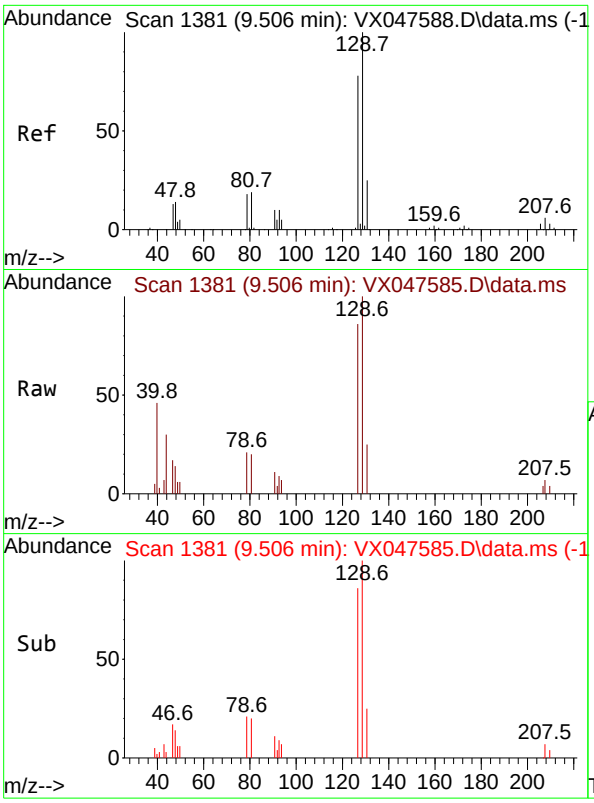




#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1366
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 12385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.7 | 26.1 | 78.2 |

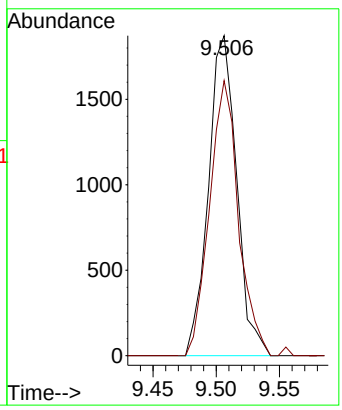





#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 88.2 | 38.4 | 115.2 |




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

**Manual Integrations**
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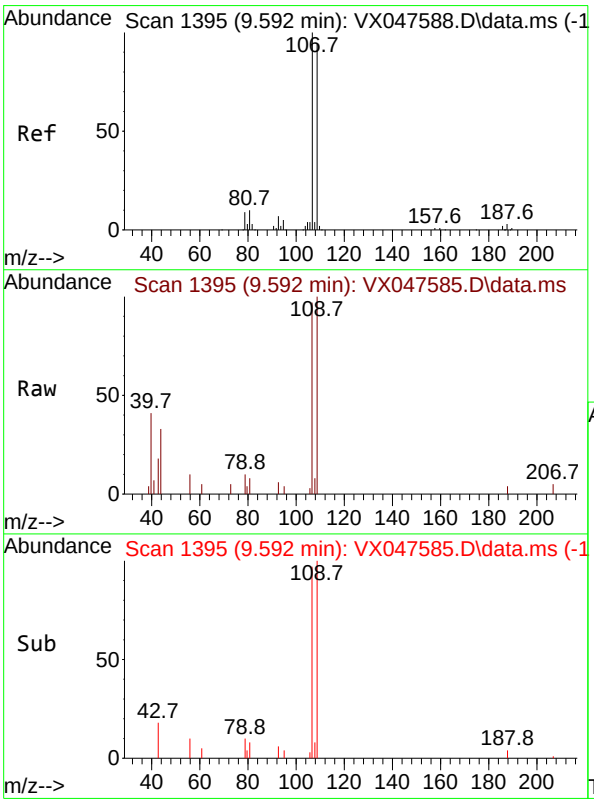
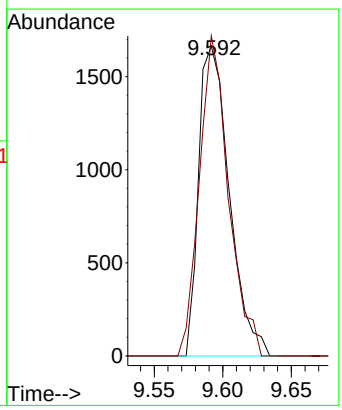
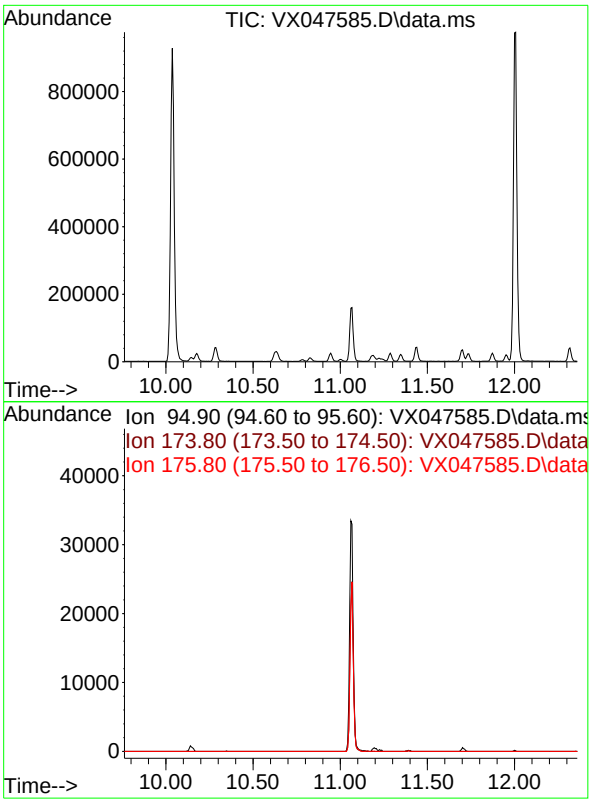



#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:107 Resp: 2596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.7 | 75.3 | 112.9 |






#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.06 min

Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

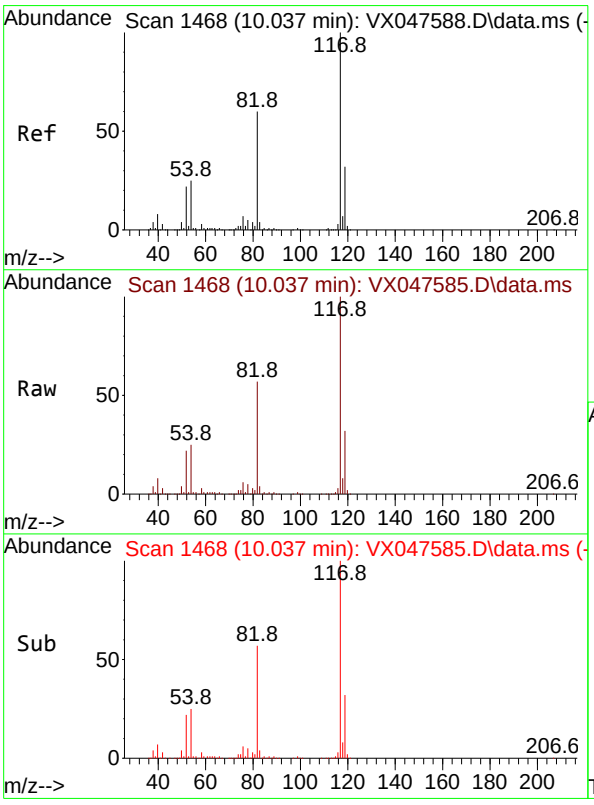
Tgt Ion: 95

| Sig | Exp Ratio |
|---|---|
| 95 | 100 |
| 174 | 70.8 |
| 176 | 69.2 |

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

**Manual Integrations**
**APPROVED**

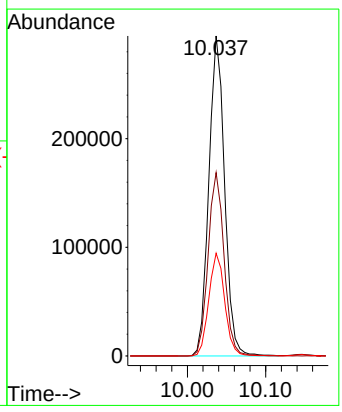
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

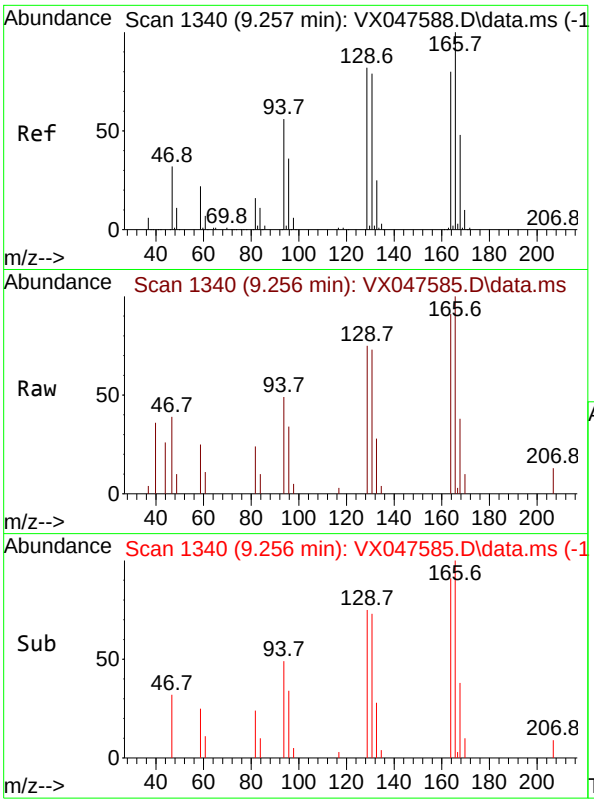



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 410953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 47.8 | 71.6 |
| 119 | 32.1 | 25.2 | 37.8 |

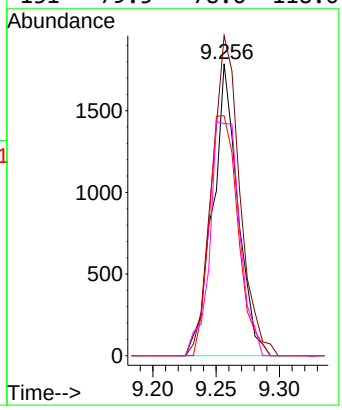





#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 245

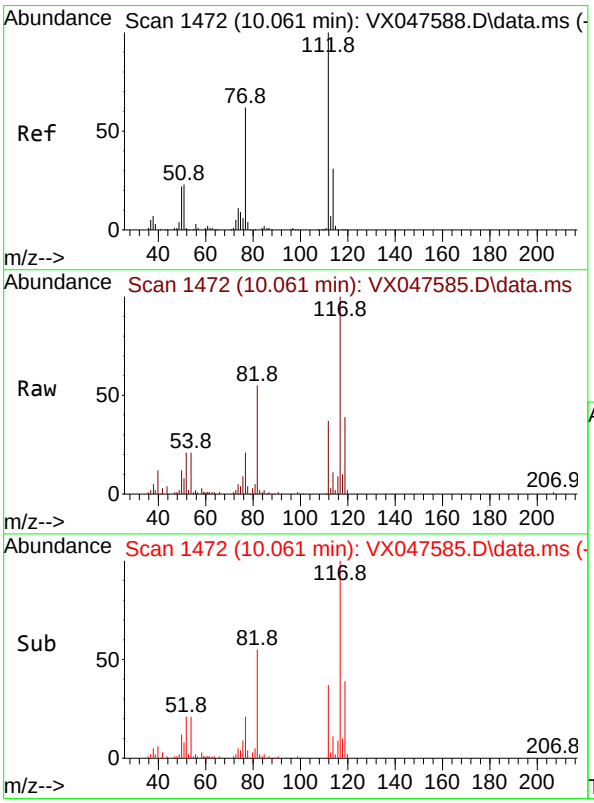
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 109.6 | 100.2 | 150.2 |
| 129 | 82.2 | 81.8 | 122.6 |
| 131 | 79.5 | 78.6 | 118.0 |




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

**Manual Integrations**
**APPROVED**

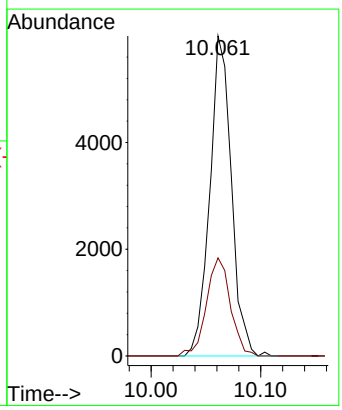
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

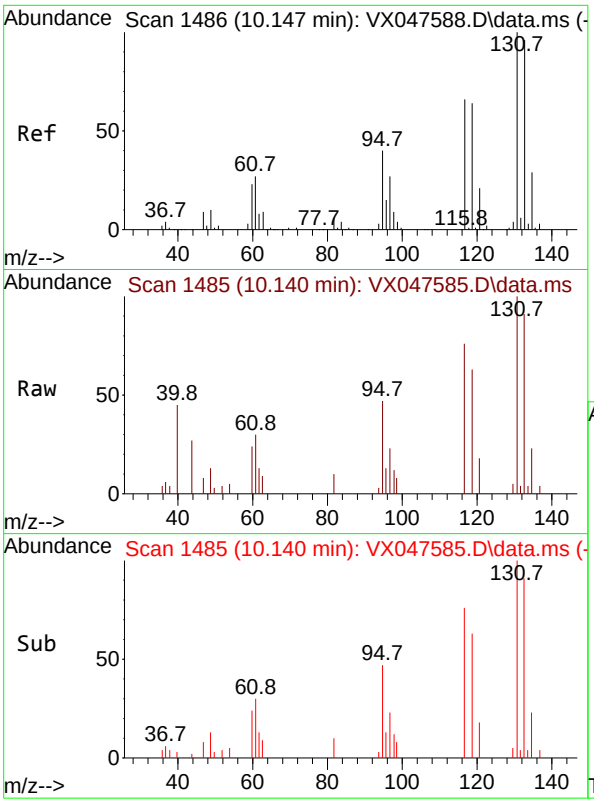



#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:112 Resp: 8202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.7 | 25.1 | 37.7 |






#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

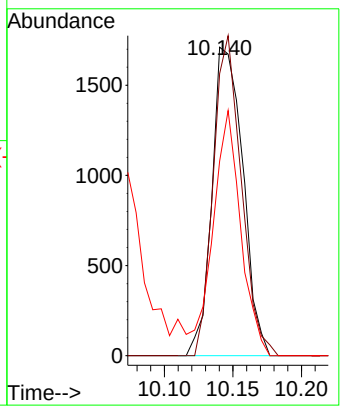
Tgt Ion:131 Resp: 268

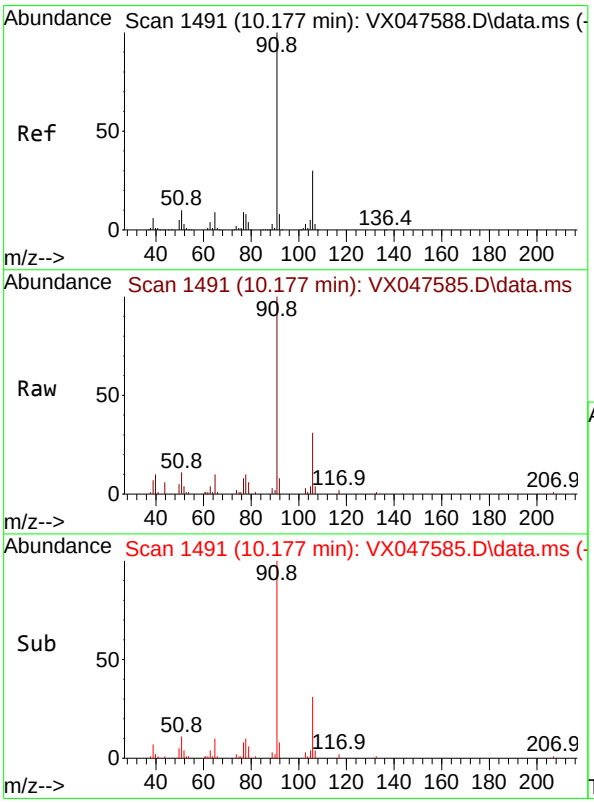
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 142.0 |
| 119 | 0.0 | 32.0 | 96.0# |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

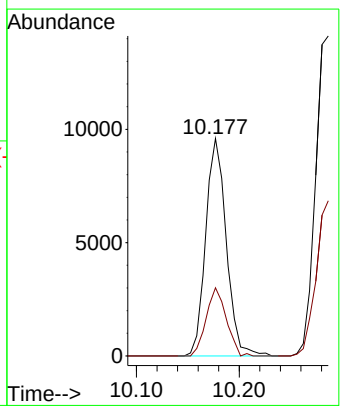


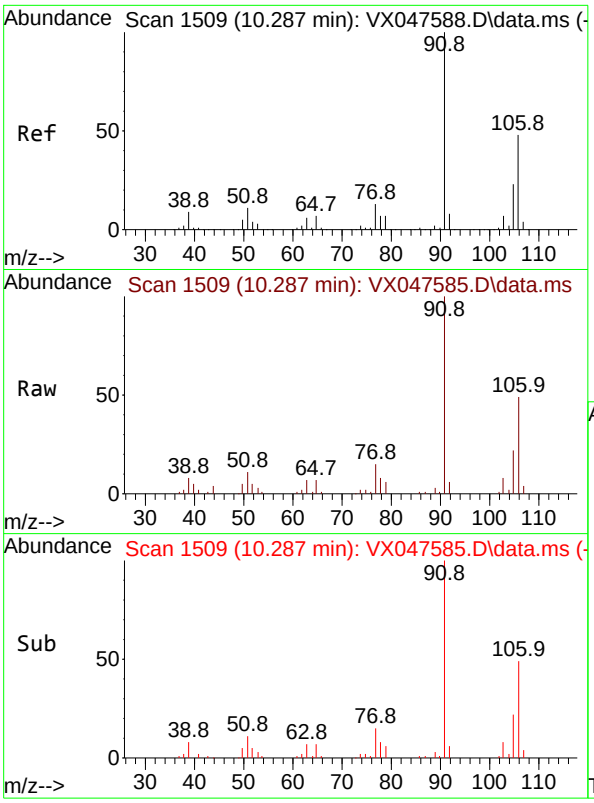




#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 13360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 24.3 | 36.5 |






#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

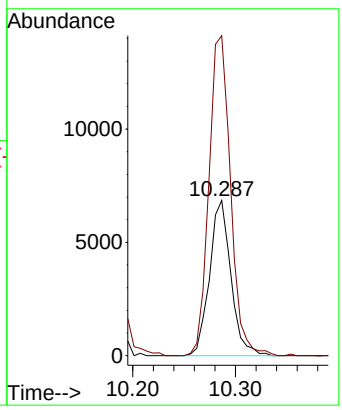
Tgt Ion:106 Resp: 992

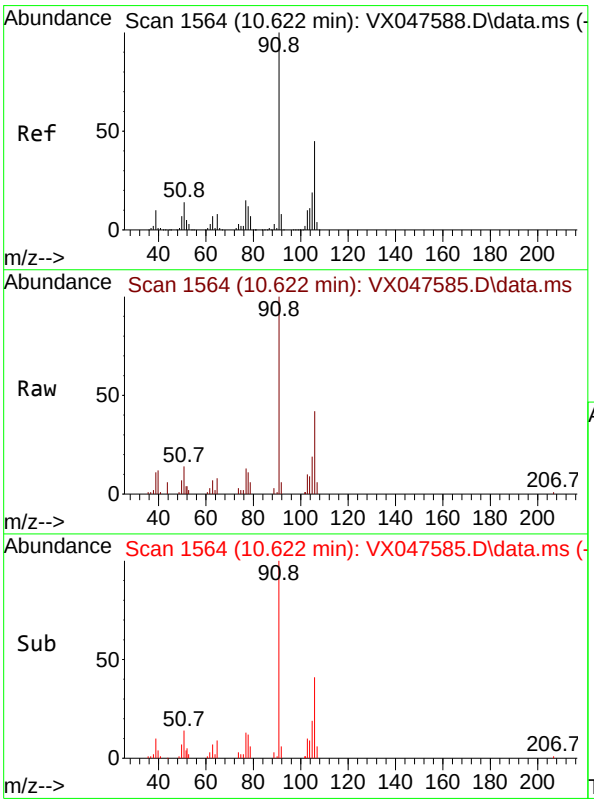
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.5 | 167.8 | 251.8 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

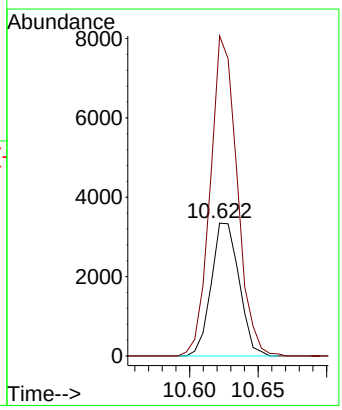


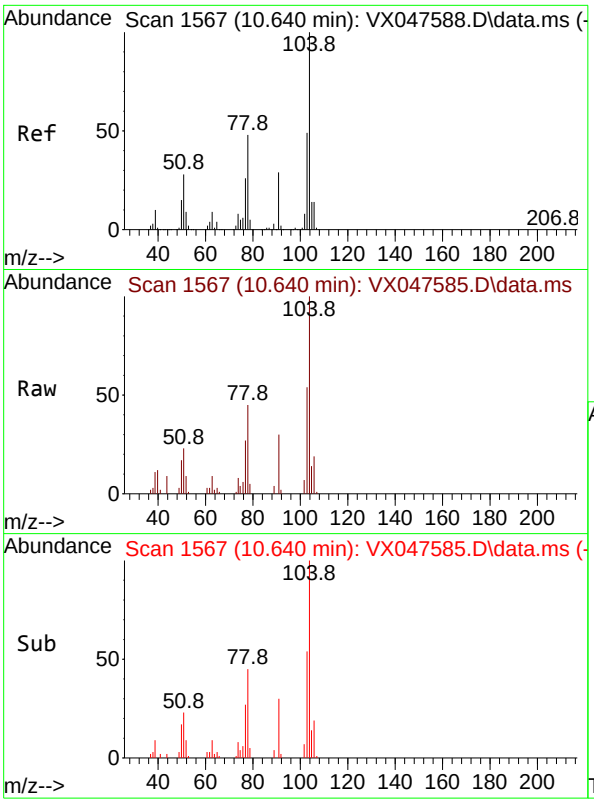




#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 4734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.4 | 111.1 | 333.4 |

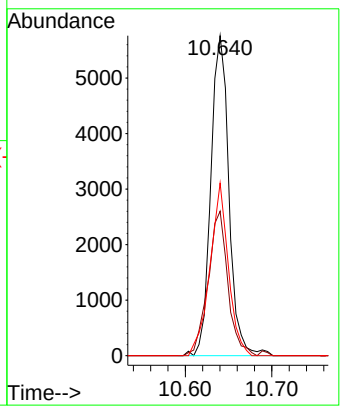





#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 837

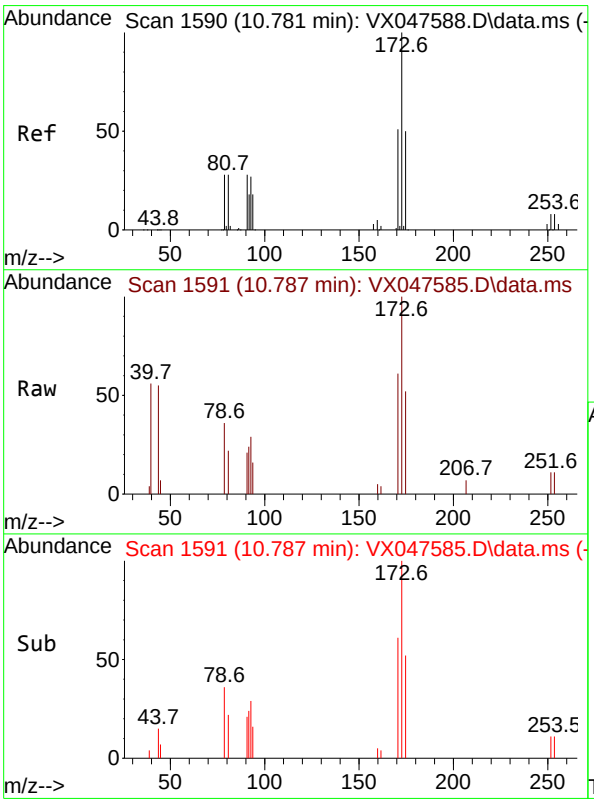
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.5 | 43.1 | 64.7 |
| 103 | 55.0 | 43.1 | 64.7 |




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

**Manual Integrations**
**APPROVED**

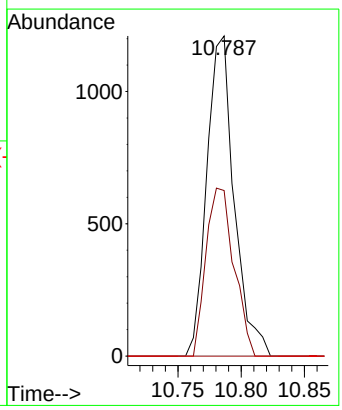
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

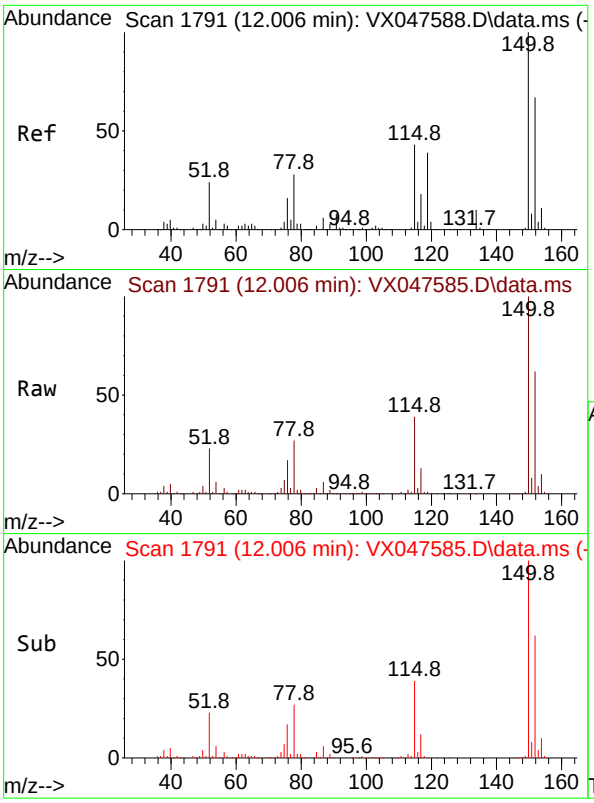



#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:173 Resp: 1816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 53.8 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

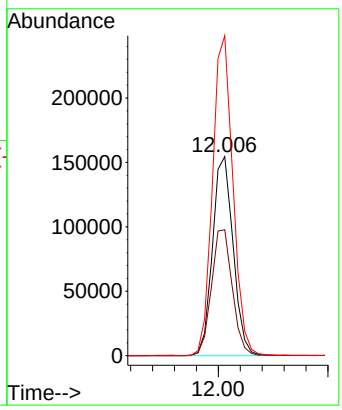





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 20197

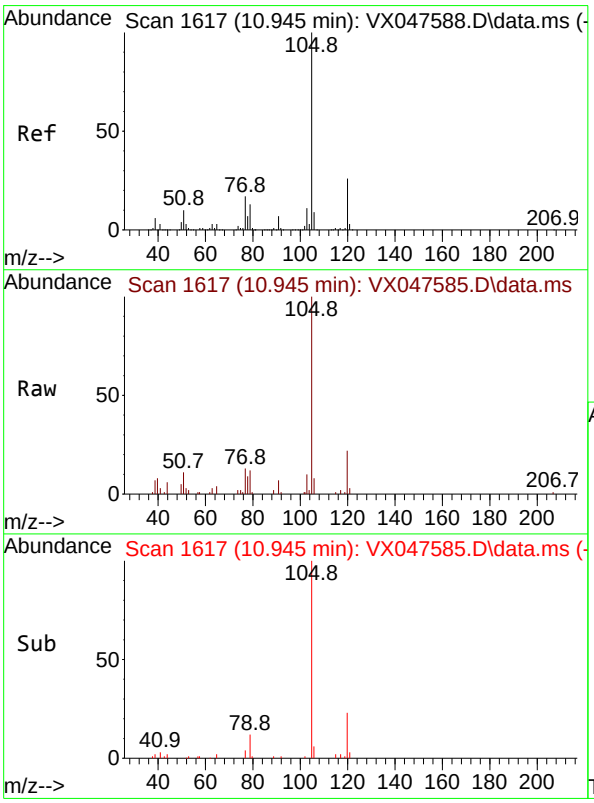
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.2 | 44.9 | 134.5 |
| 150 | 158.7 | 0.0 | 352.0 |




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

**Manual Integrations**
**APPROVED**

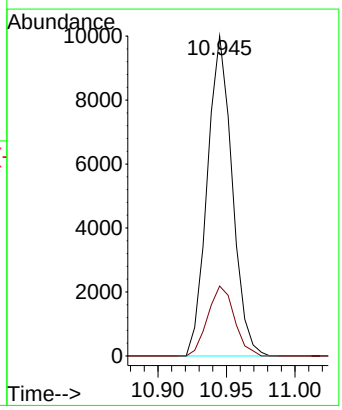
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

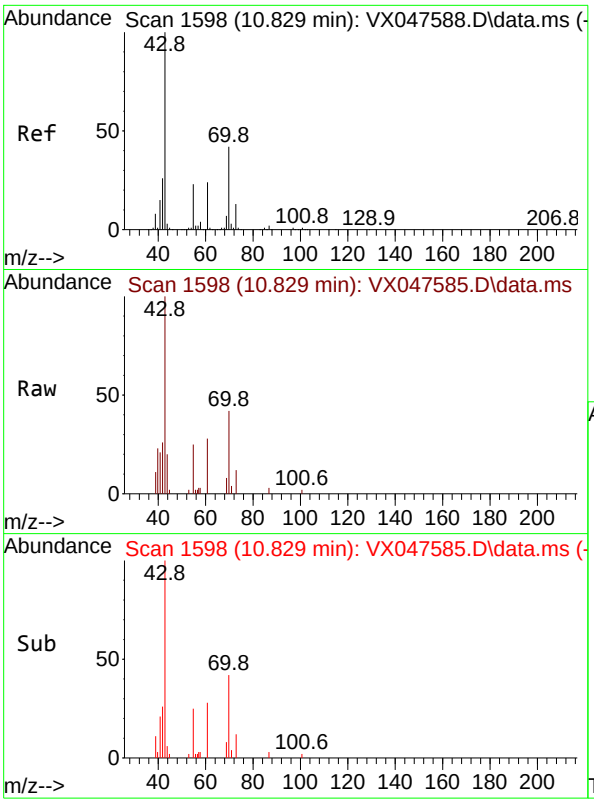



#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 12618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.4 | 12.8 | 38.4 |

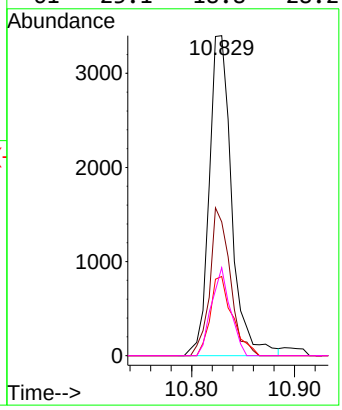





#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 32.0 | 48.0 |
| 55 | 24.3 | 18.9 | 28.3 |
| 61 | 23.1 | 18.8 | 28.2 |




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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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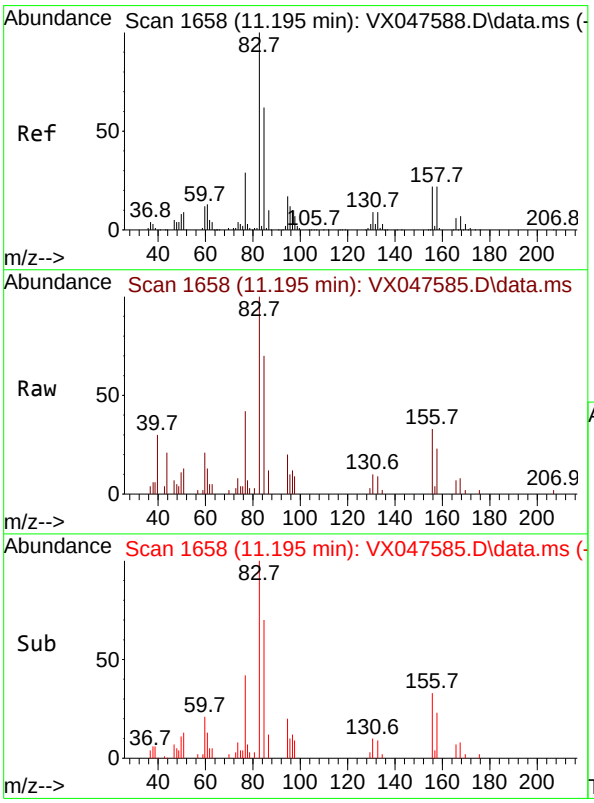
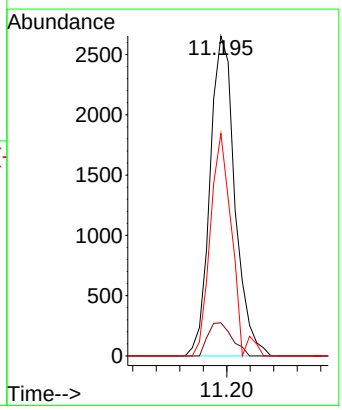
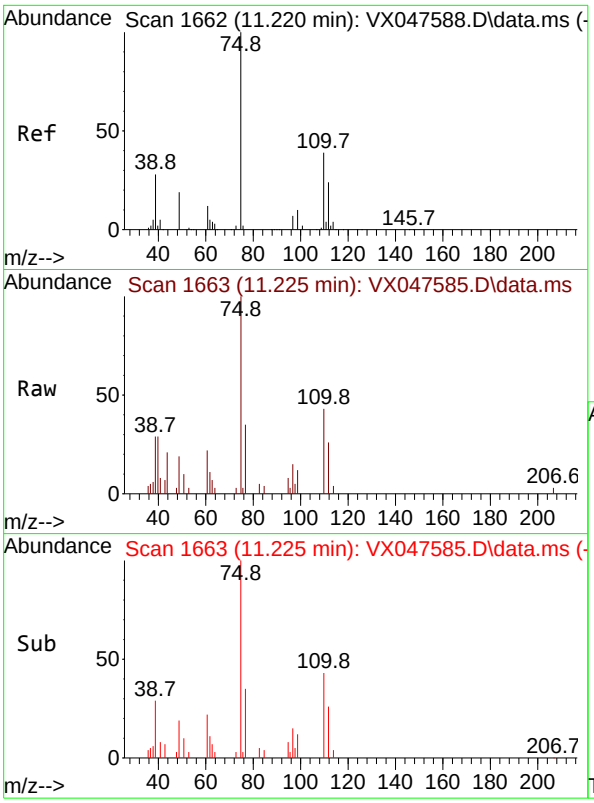



#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 3900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 59.8 | 31.6 | 95.0 |






#76
1,2,3-Trichloropropane
Concen: 0.816 ug/l m
RT: 11.225 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.6 | 18.8 | 56.4 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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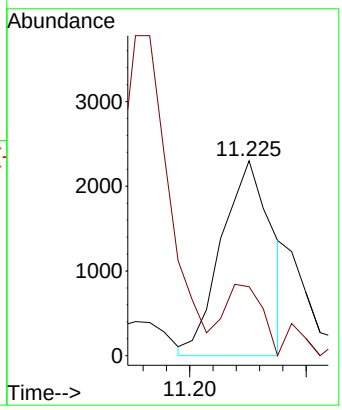
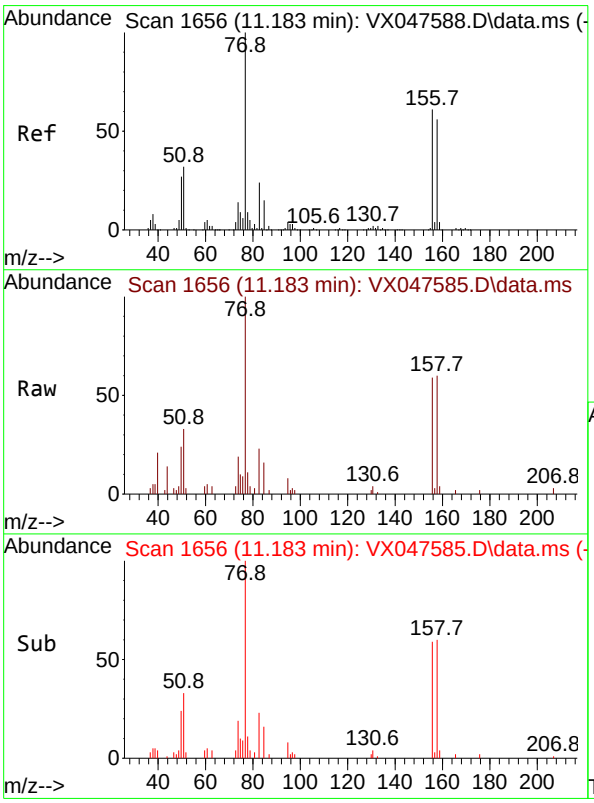
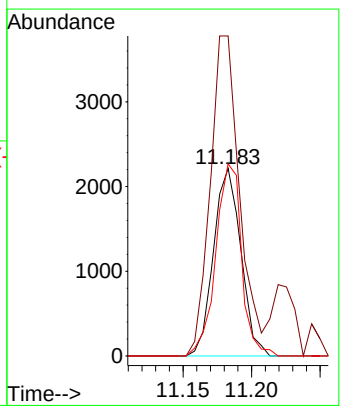


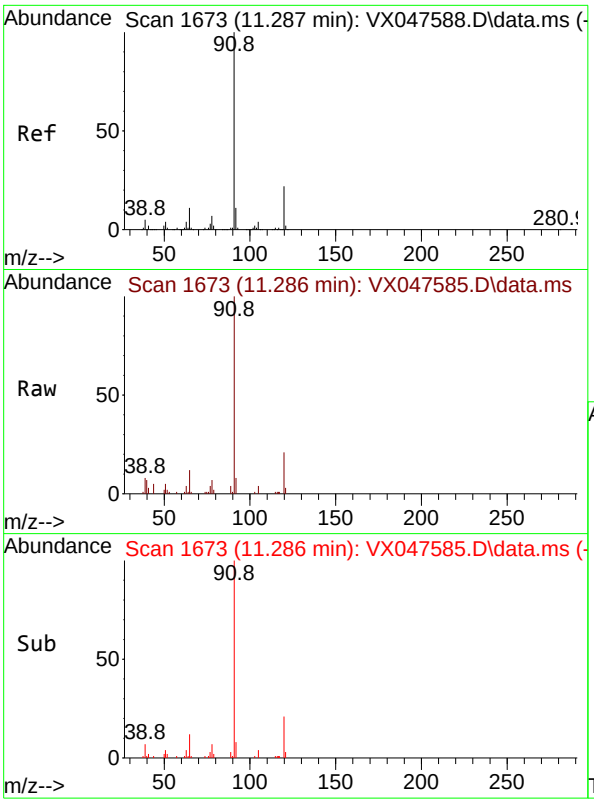




#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:156 Resp: 3069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 182.3 | 89.7 | 269.1 |
| 158 | 96.6 | 47.9 | 143.6 |






#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 1486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.4 | 11.1 | 33.1 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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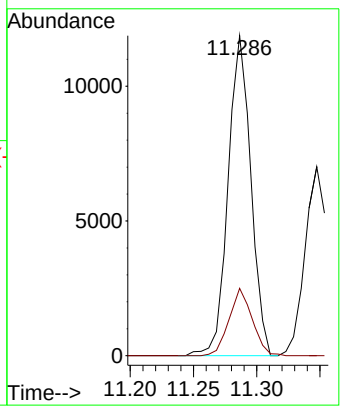
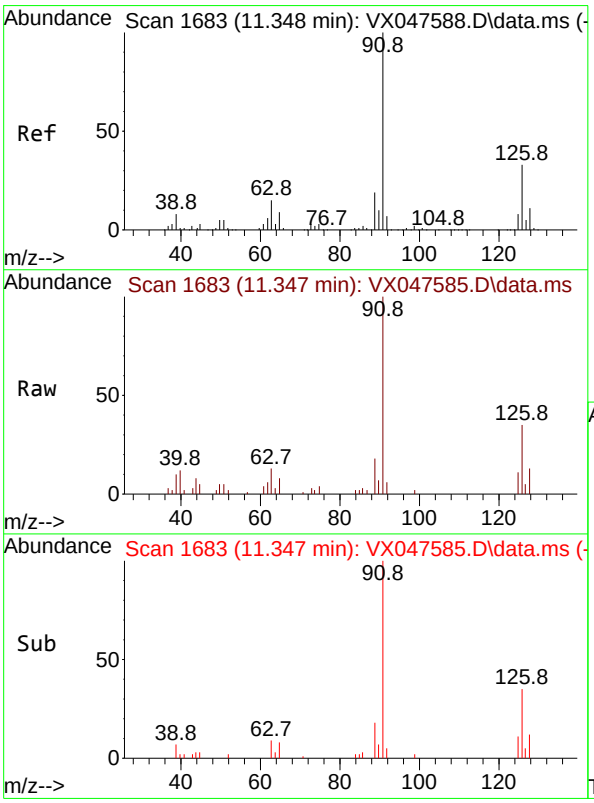
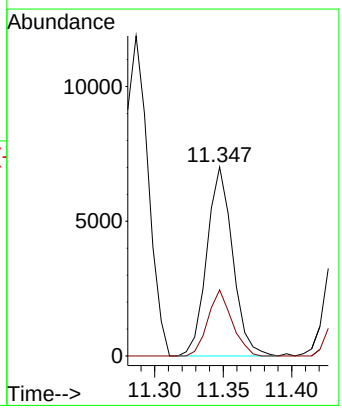


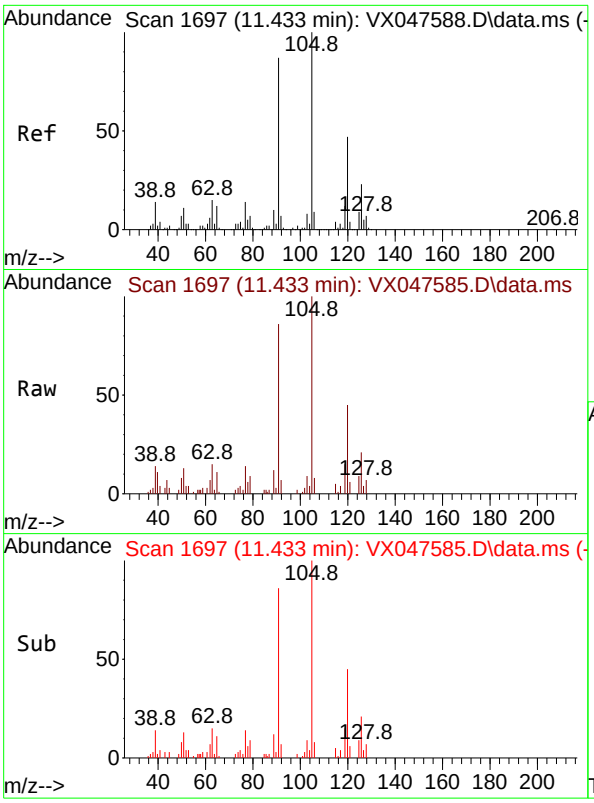




#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 9195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.1 | 48.3 |

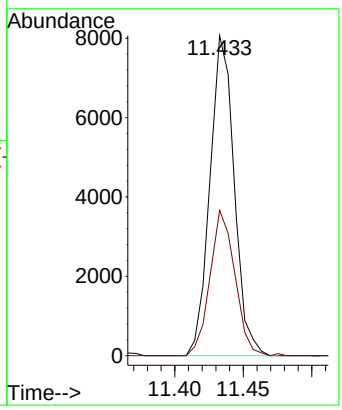





#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 992

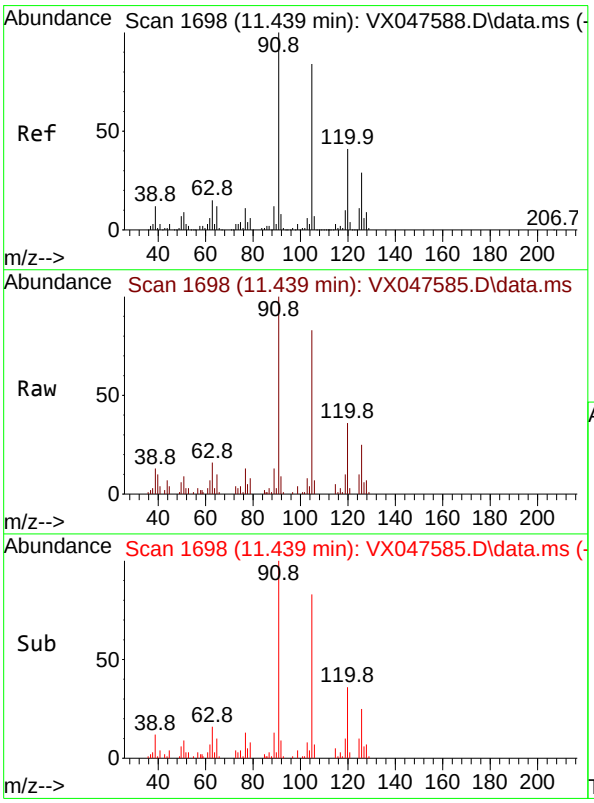
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.6 | 70.8 |




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

**Manual Integrations**
**APPROVED**

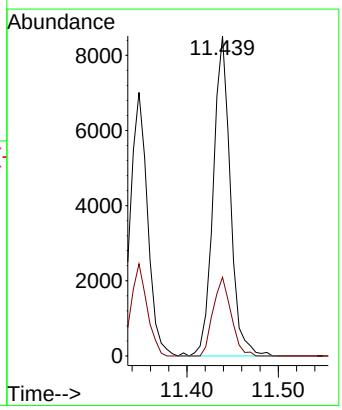
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

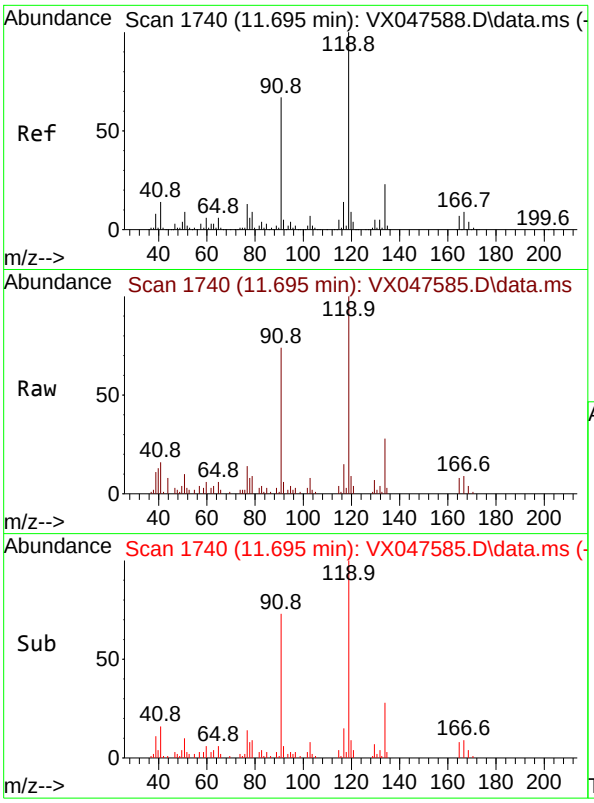



#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 25.8 | 14.2 | 42.6 |

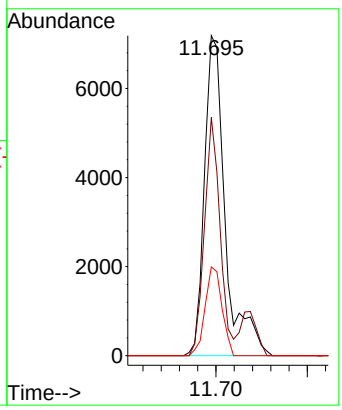





#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 1131

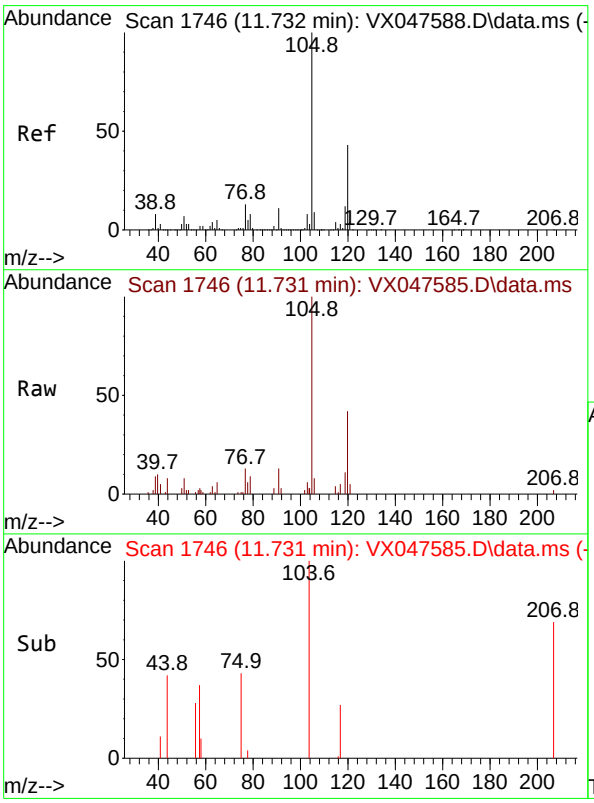
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.1 | 29.6 | 88.8 |
| 134 | 22.5 | 11.0 | 33.0 |




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

**Manual Integrations**
**APPROVED**

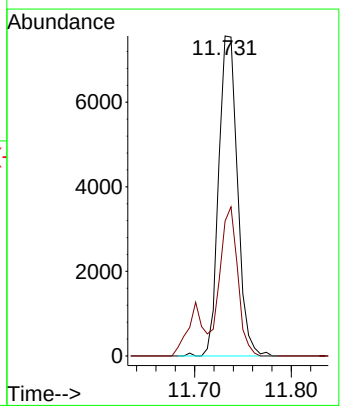
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

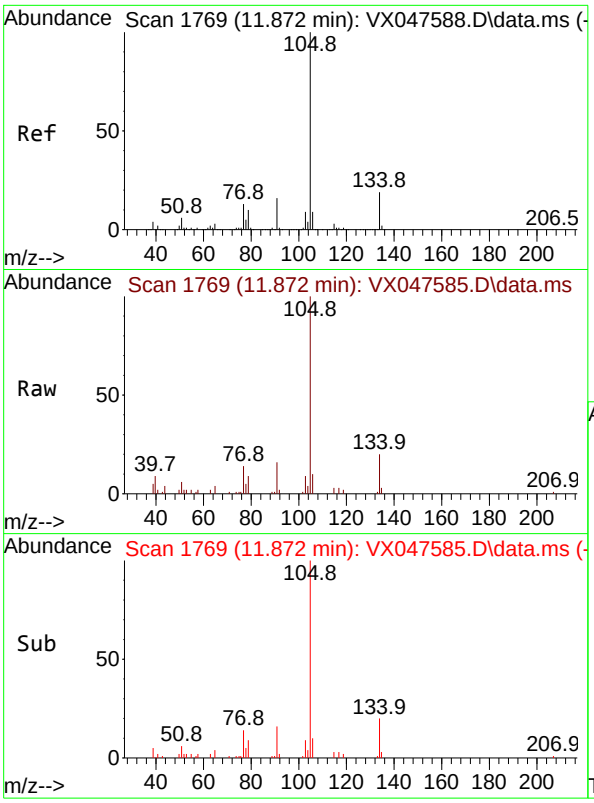



#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.1 |






#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

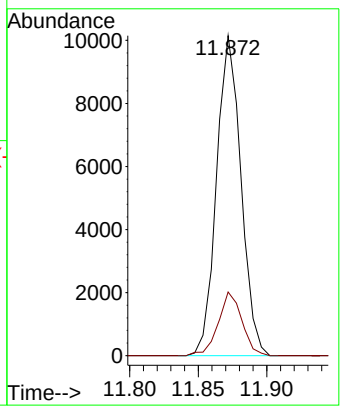
Tgt Ion:105 Resp: 1256

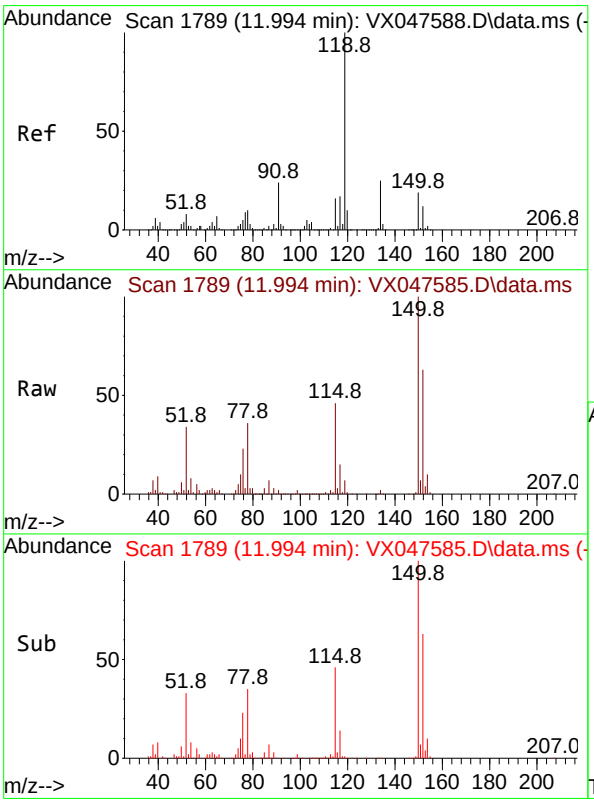
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.8 | 29.5 |

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

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

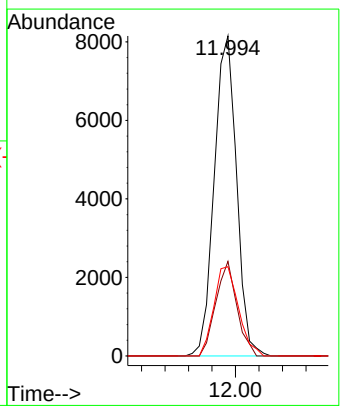


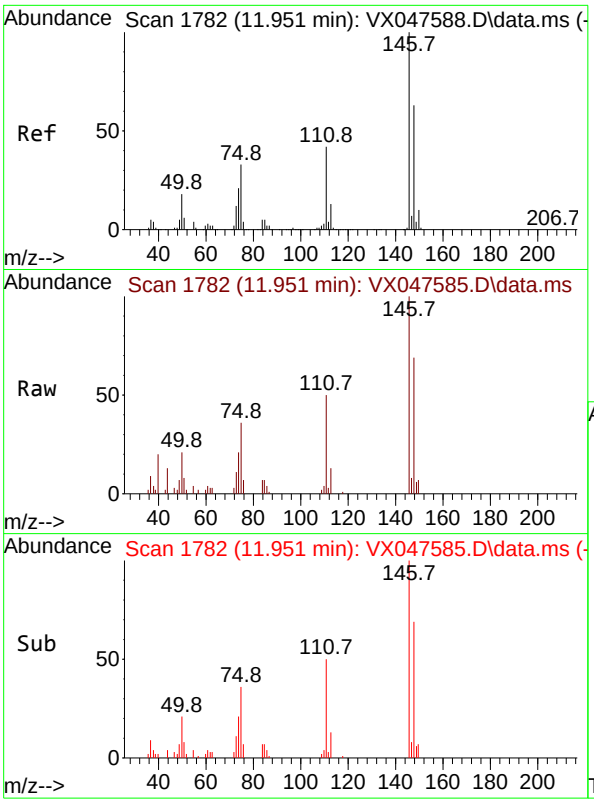




#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.9 | 12.6 | 37.8 |
| 91 | 30.8 | 12.6 | 37.6 |

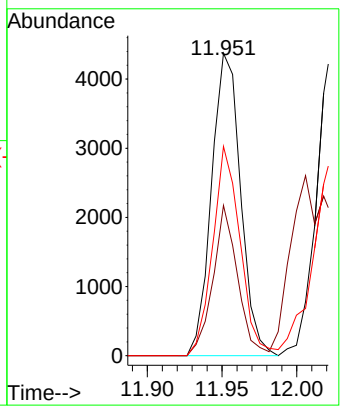





#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 590

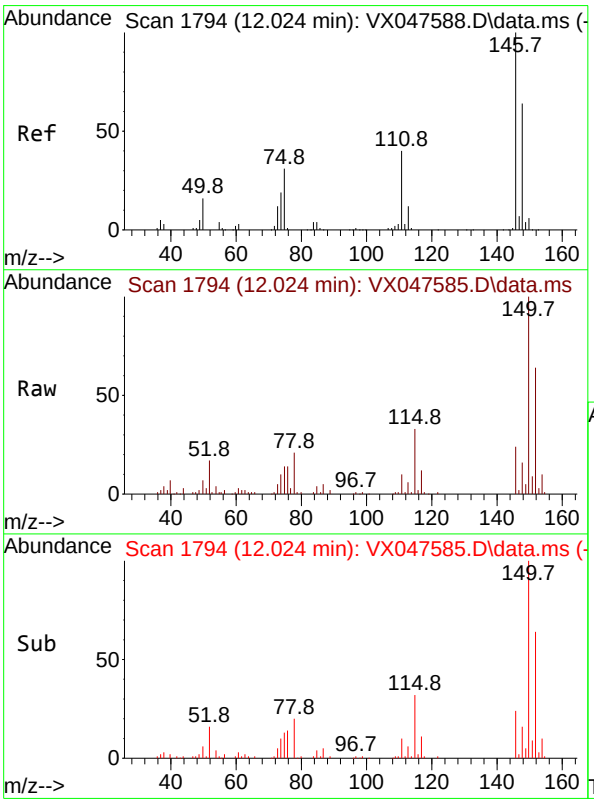
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 65.5 | 32.0 | 96.0 |




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

**Manual Integrations**
**APPROVED**

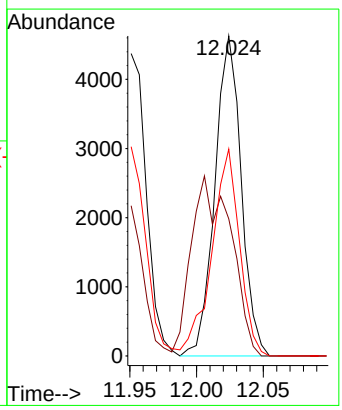
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

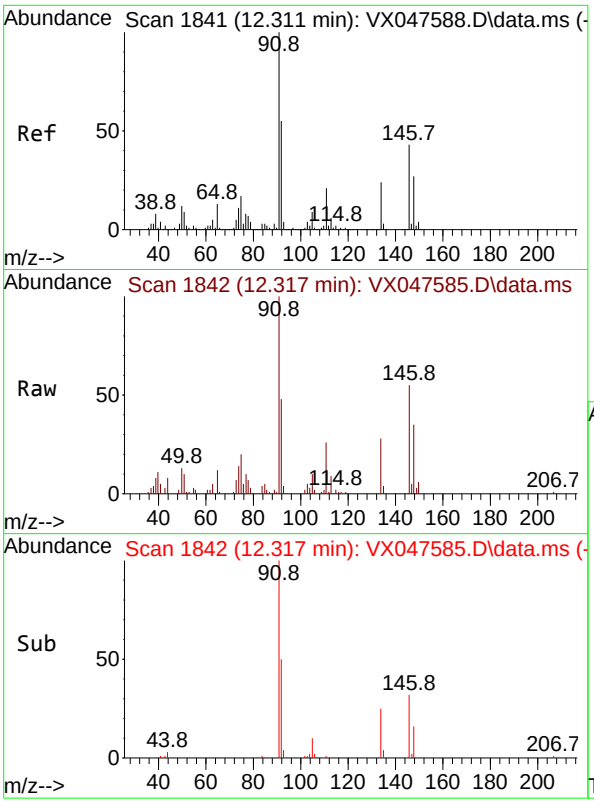



#88
1,4-Dichlorobenzene
Concen: 0.880 ug/l m
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 6341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 39.3 | 20.8 | 62.4 |
| 148 | 61.1 | 31.7 | 95.1 |

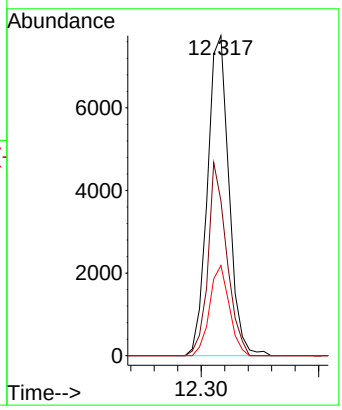





#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 981

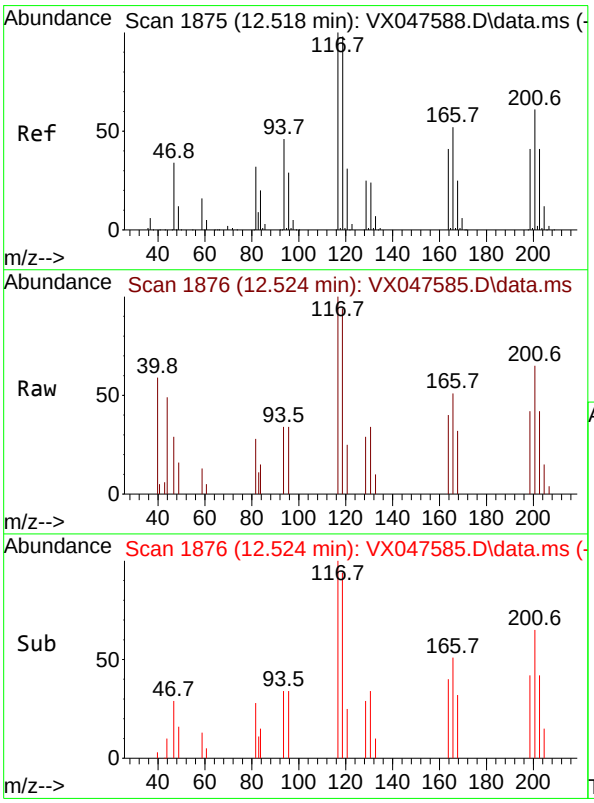
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 27.6 | 82.7 |
| 134 | 25.9 | 12.6 | 37.8 |




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

**Manual Integrations**
**APPROVED**

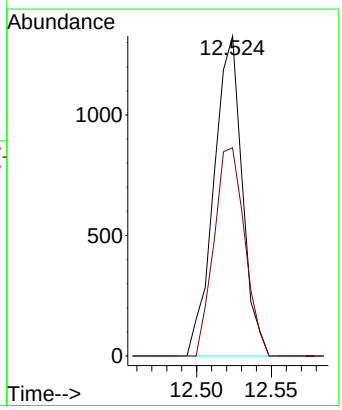
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

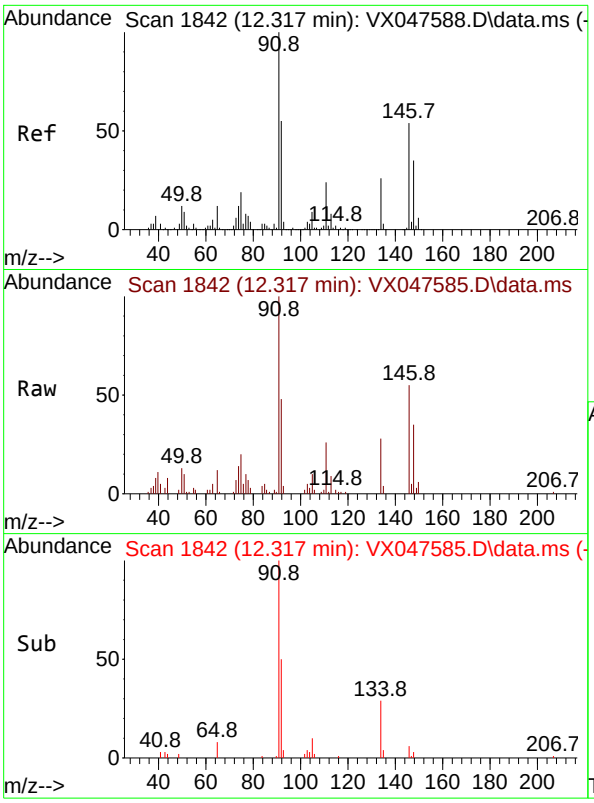



#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.4 | 34.2 | 102.5 |

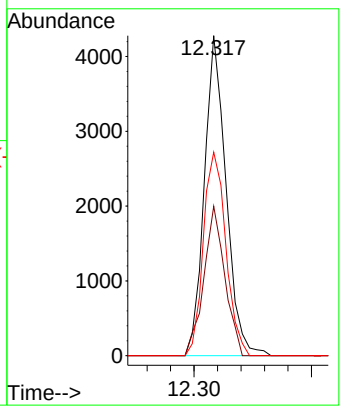





#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 549

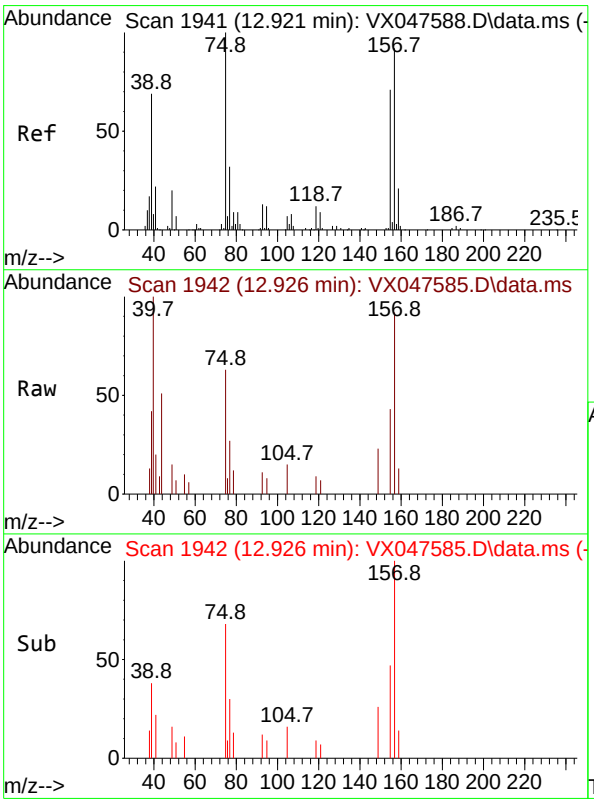
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.2 | 66.6 |
| 148 | 65.8 | 31.8 | 95.4 |




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

**Manual Integrations APPROVED**

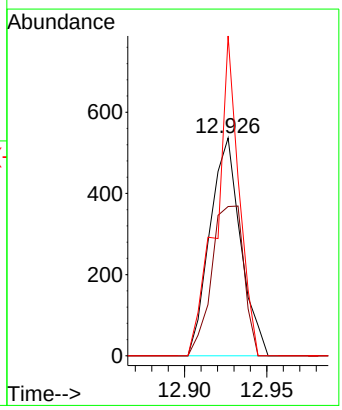
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

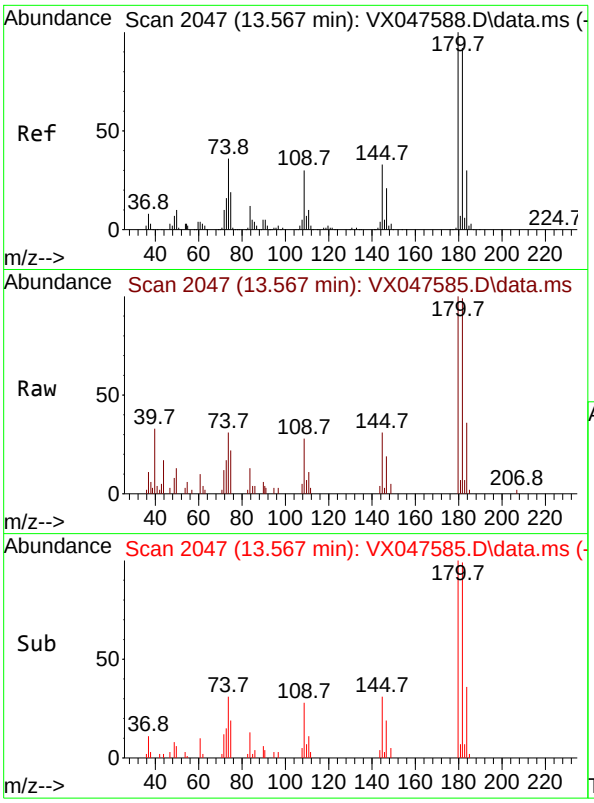



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.1 | 37.7 | 113.1 |
| 157 | 108.7 | 49.8 | 149.4 |

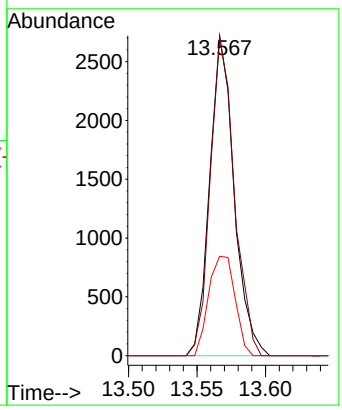





#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 335

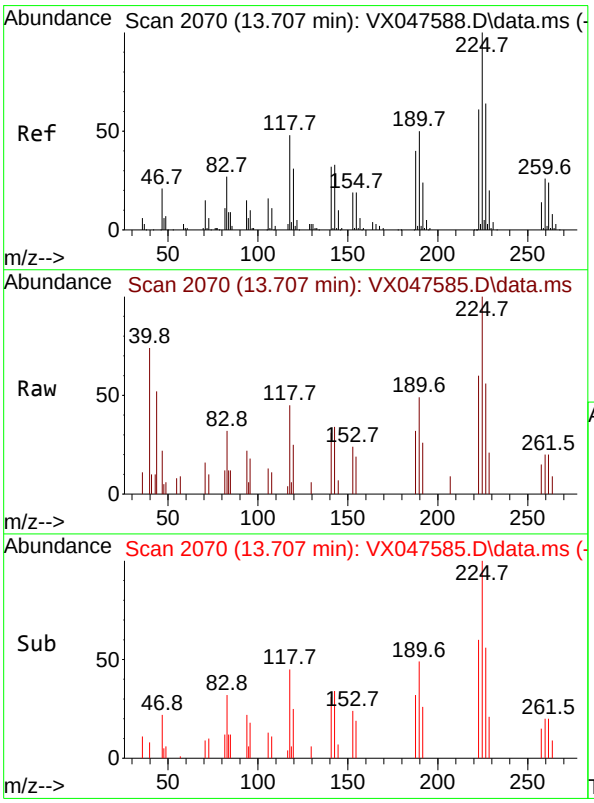
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.6 | 46.6 | 139.8 |
| 145 | 33.7 | 16.4 | 49.1 |




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

**Manual Integrations**
**APPROVED**

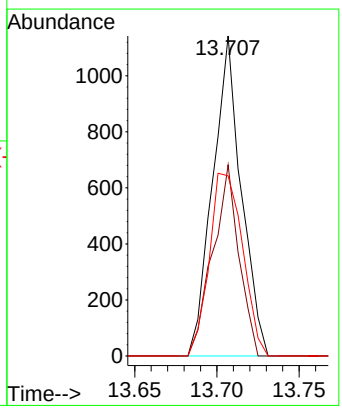
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

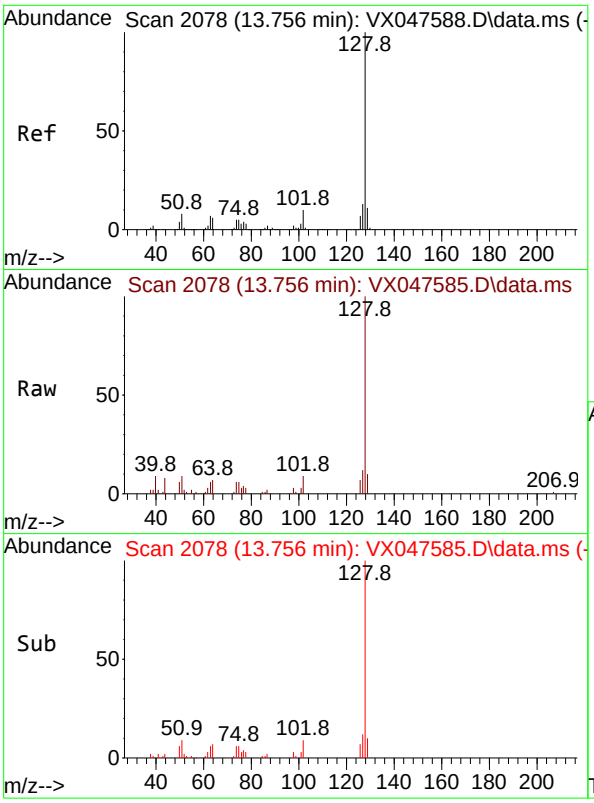



#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 54.8 | 31.7 | 95.1 |
| 227 | 66.7 | 32.0 | 96.0 |

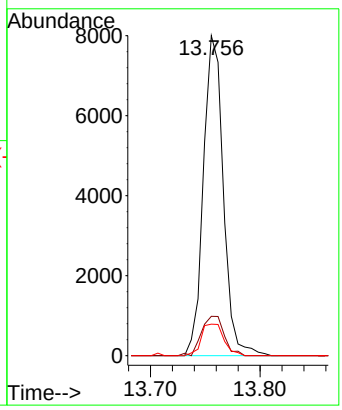





#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:128 Resp: 1011

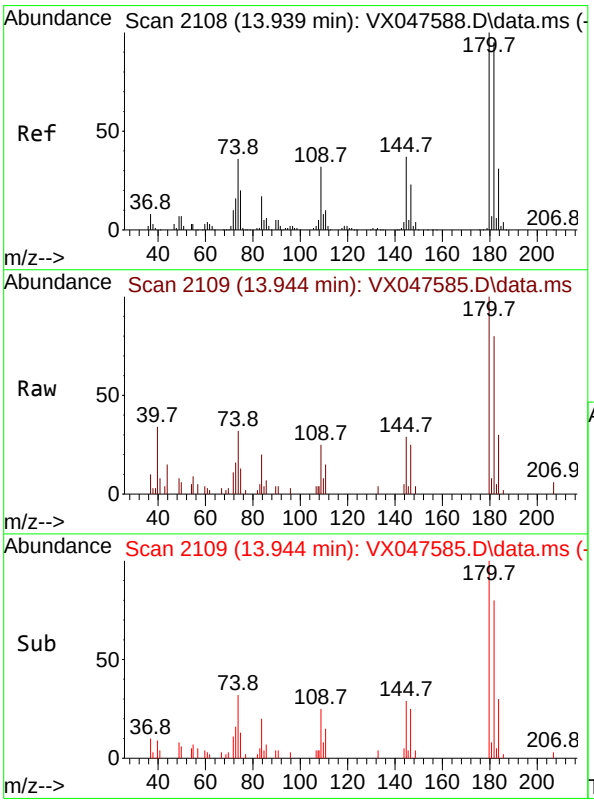
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.0 | 10.2 | 15.2 |
| 129 | 11.2 | 8.8 | 13.2 |




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

**Manual Integrations**
**APPROVED**

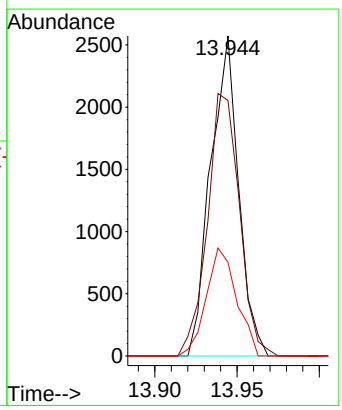
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.6 | 142.8 |
| 145 | 36.6 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 198376 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 355026 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 317288 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 156219 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 17538 | 5.554 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 11.100%# | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 12647 | 5.312 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.620%# | | |
| 50) Toluene-d8 | 8.635 | 98 | 43926 | 5.332 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 10.660%# | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 16974 | 5.429 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 10.860%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 11403 | 5.551 | ug/l | 93 |
| 3) Chloromethane | 1.301 | 50 | 14854 | 5.502 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 14147 | 5.353 | ug/l | 97 |
| 5) Bromomethane | 1.618 | 94 | 9780 | 5.836 | ug/l | 87 |
| 6) Chloroethane | 1.697 | 64 | 8926 | 5.053 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 20497 | 5.223 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 8039 | 5.008 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 11729 | 5.112 | ug/l | 98 |
| 10) Methyl Iodide | 2.453 | 142 | 17159 | 4.795 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.947 | 59 | 8399 | 23.883 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 12131 | 5.147 | ug/l | 91 |
| 13) Acrolein | 2.239 | 56 | 7080 | 21.847 | ug/l | 95 |
| 14) Allyl chloride | 2.666 | 41 | 25135 | 5.168 | ug/l | 99 |
| 15) Acrylonitrile | 3.062 | 53 | 32587 | 25.016 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 41297 | 30.079 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 34426 | 5.335 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 13357 | 4.371 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 44396 | 5.160 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 15307 | 5.267 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 13937 | 5.492 | ug/l | 97 |
| 22) Diisopropyl ether | 3.757 | 45 | 50213 | 5.327 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 192175 | 25.474 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 26292 | 5.248 | ug/l | 97 |
| 25) 2-Butanone | 4.544 | 43 | 46651 | 27.240 | ug/l | 92 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 21738 | 5.220 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 15996 | 5.147 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 12047 | 5.508 | ug/l | 95 |
| 29) Tetrahydrofuran | 4.995 | 42 | 26729 | 25.944 | ug/l | 92 |
| 30) Chloroform | 5.080 | 83 | 27054 | 5.344 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 23032 | 5.520 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 22279 | 5.188 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 18455 | 5.304 | ug/l | 98 |
| 37) Ethyl Acetate | 4.708 | 43 | 19913 | 5.345 | ug/l # | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 20376 | 5.390 | ug/l | 96 |
| 39) Methylcyclohexane | 7.367 | 83 | 20900 | 5.292 | ug/l | 97 |
| 40) Benzene | 6.019 | 78 | 55996 | 5.299 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 9390 | 4.883 ug/l | 95 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 21117 | 5.252 ug/l | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 31304 | 5.124 ug/l | 99 |
| 44) Trichloroethene | 7.111 | 130 | 13576 | 5.314 ug/l | 97 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 14305 | 5.287 ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 10133 | 5.146 ug/l | 99 |
| 47) Bromodichloromethane | 7.806 | 83 | 21270 | 5.235 ug/l | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 14959 | 4.915 ug/l | 99 |
| 49) 1,4-Dioxane | 7.653 | 88 | 3017 | 98.096 ug/l # | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 87492 | 25.828 ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 34314 | 5.271 ug/l | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 20863 | 5.034 ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 23157 | 5.227 ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 12968 | 5.166 ug/l | 91 |
| 56) Ethyl methacrylate | 9.104 | 69 | 19980 | 5.068 ug/l | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 22989 | 5.331 ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 37585 | 27.899 ug/l | 98 |
| 59) 2-Hexanone | 9.415 | 43 | 66356 | 27.275 ug/l | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 14705 | 5.084 ug/l | 95 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 13461 | 5.264 ug/l | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 11228 | 5.428 ug/l | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 37507 | 5.203 ug/l | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 12807 | 5.149 ug/l | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 65908 | 5.299 ug/l | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 49132 | 10.613 ug/l | 99 |
| 69) o-Xylene | 10.628 | 106 | 23300 | 5.204 ug/l | 98 |
| 70) Styrene | 10.640 | 104 | 40872 | 5.210 ug/l | 99 |
| 71) Bromoform | 10.781 | 173 | 9298 | 5.006 ug/l # | 97 |
| 73) Isopropylbenzene | 10.945 | 105 | 61029 | 5.139 ug/l | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 26969 | 4.980 ug/l | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 18462 | 5.138 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 15982m | 4.927 ug/l | |
| 77) Bromobenzene | 11.183 | 156 | 15066 | 5.150 ug/l | 99 |
| 78) n-propylbenzene | 11.287 | 91 | 72900 | 5.192 ug/l | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 44663 | 5.194 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 50535 | 5.179 ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 5413 | 4.364 ug/l | 91 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 52294 | 5.149 ug/l | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 50350 | 5.041 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 51583 | 5.214 ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 62507 | 5.268 ug/l | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 52674 | 5.244 ug/l | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 28116 | 5.175 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 29519 | 5.294 ug/l | 93 |
| 89) n-Butylbenzene | 12.317 | 91 | 47953 | 5.159 ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 8830 | 5.007 ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 26409 | 5.102 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 3412 | 4.690 ug/l | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 17167 | 5.103 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 5894 | 5.158 ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 49257 | 4.808 ug/l | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 15400 | 4.921 ug/l | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

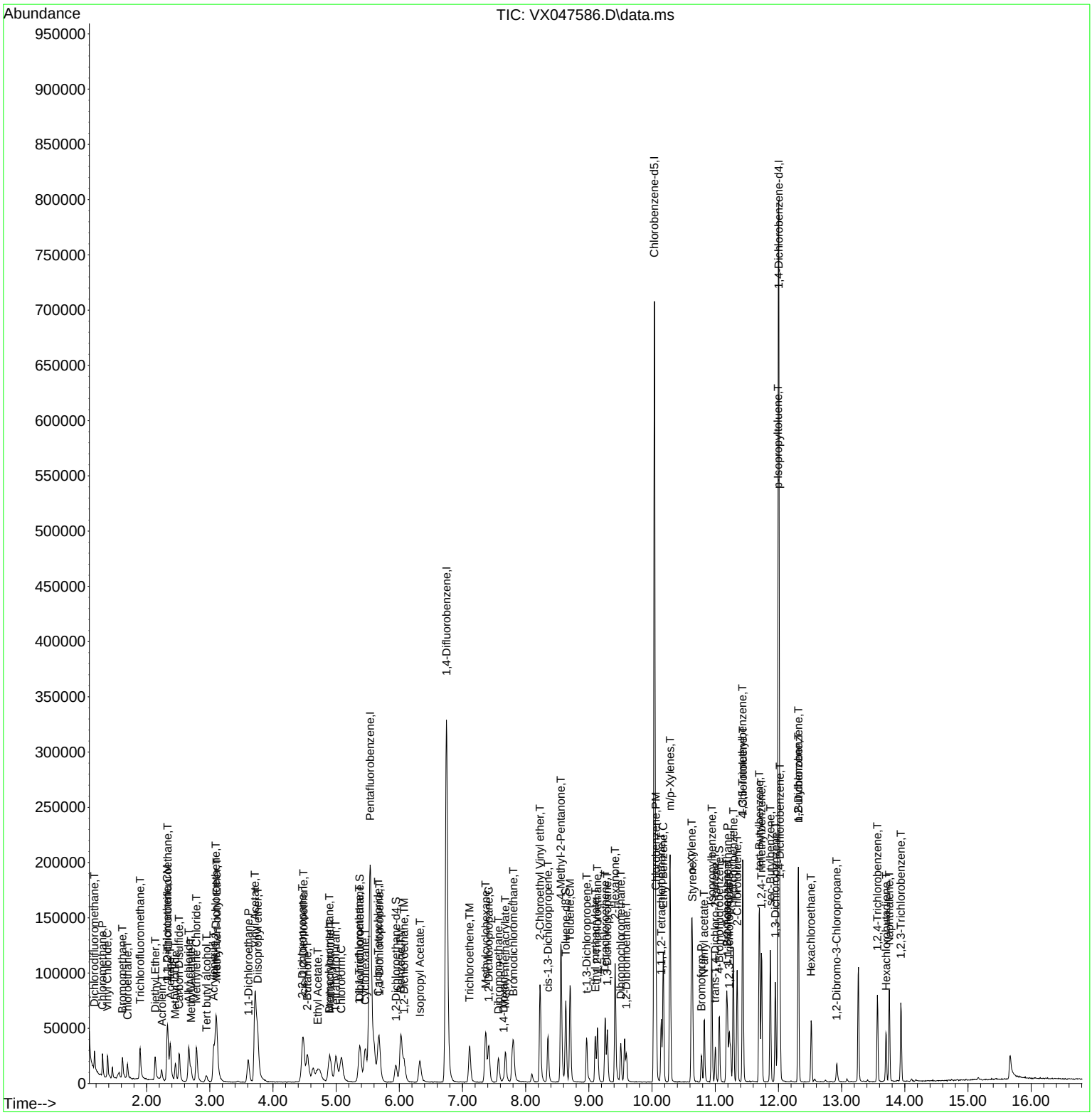
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

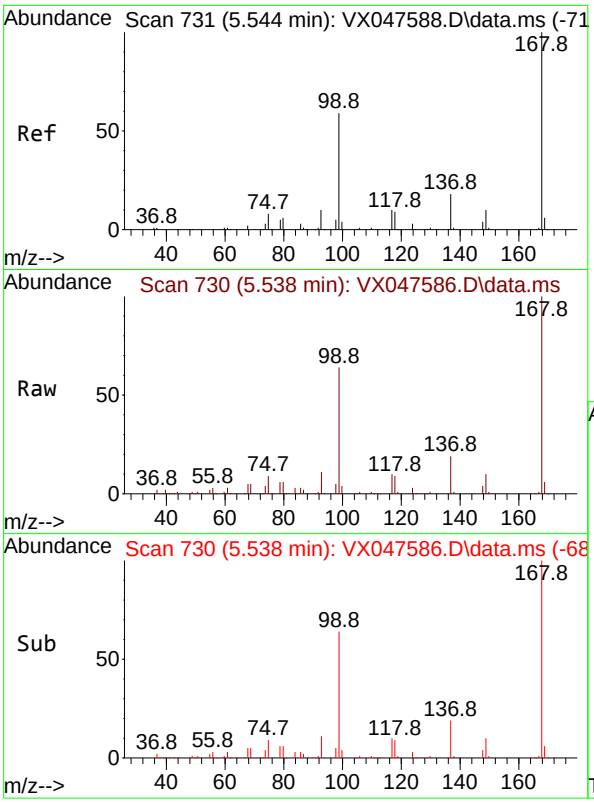
Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

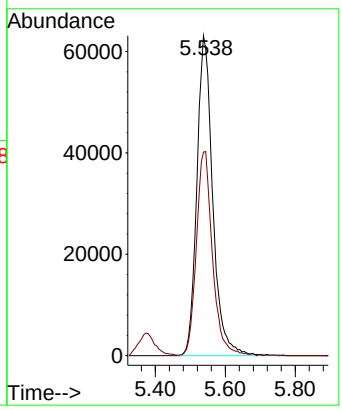





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:168 Resp: 19837

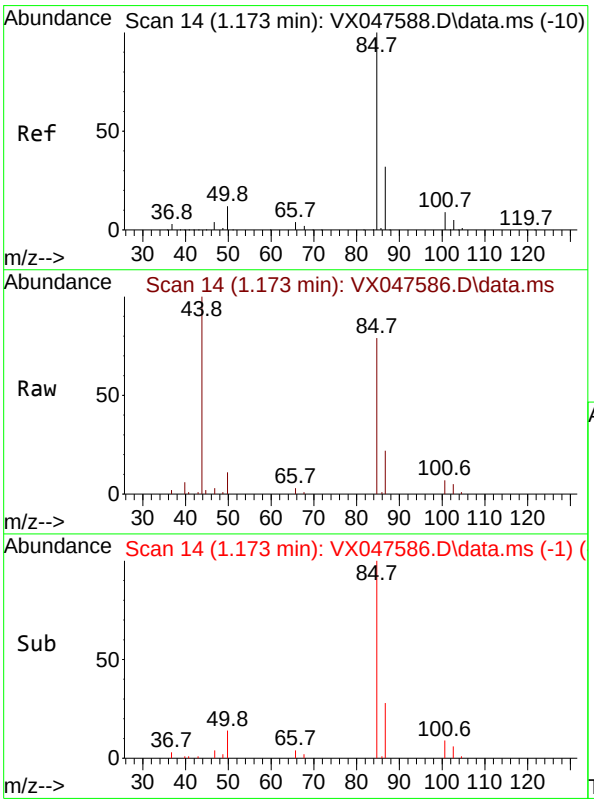
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.5 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

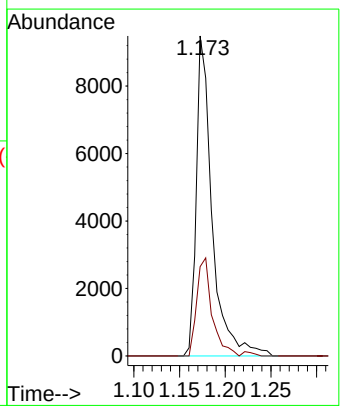
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

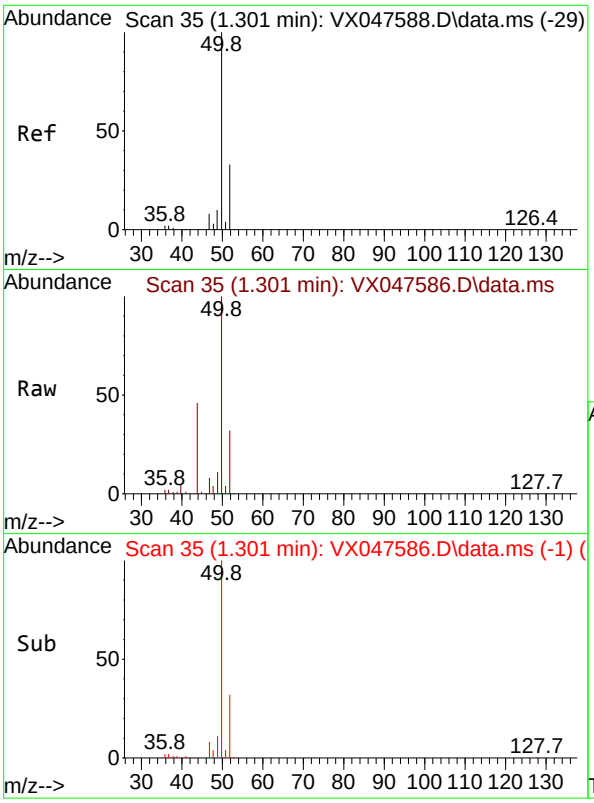



#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 27.9 | 15.8 | 47.3 |

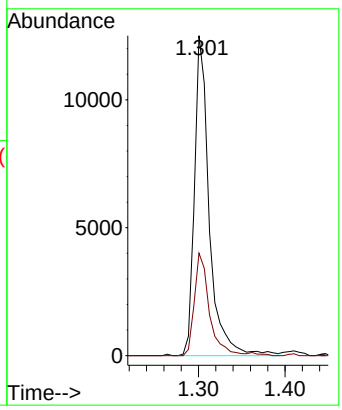





#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 50 Resp: 1485

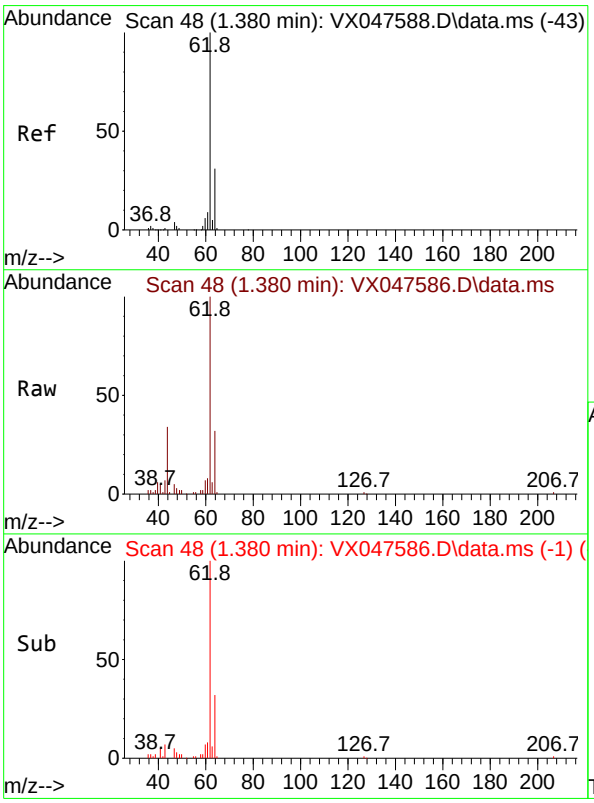
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

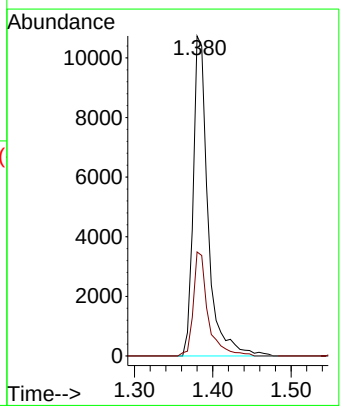
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

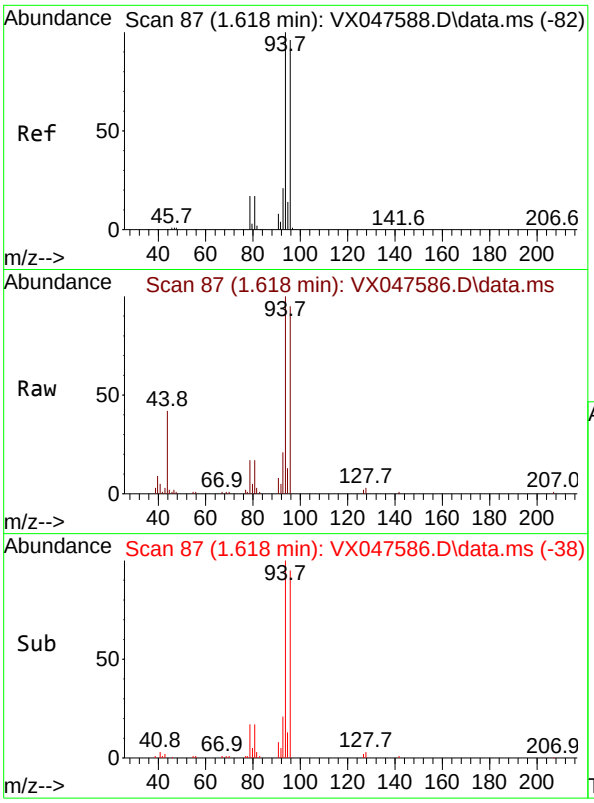



#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 24.9 | 37.3 |

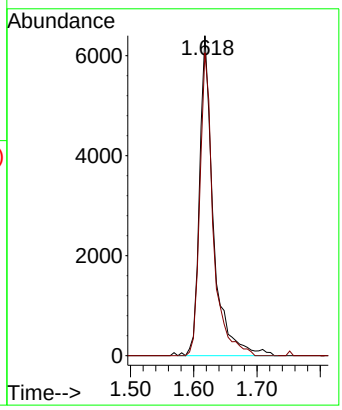





#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 94 Resp: 978

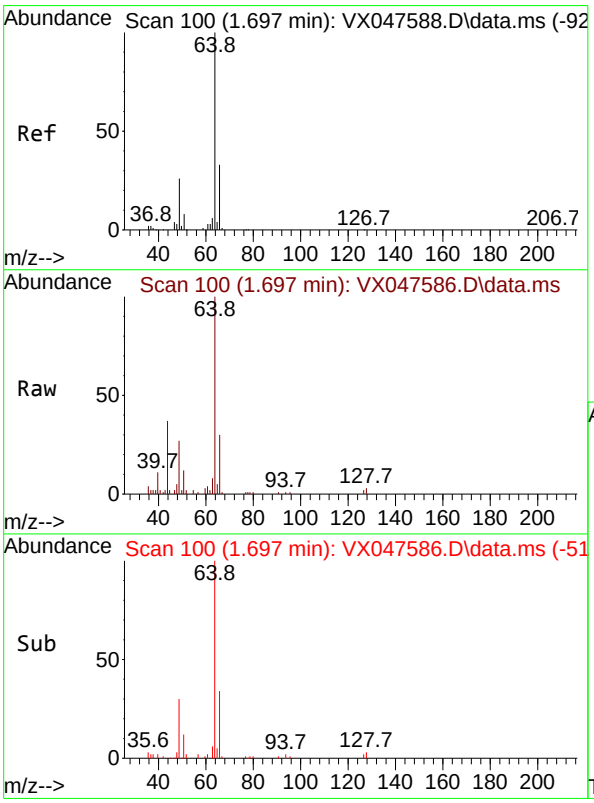
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 83.6 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

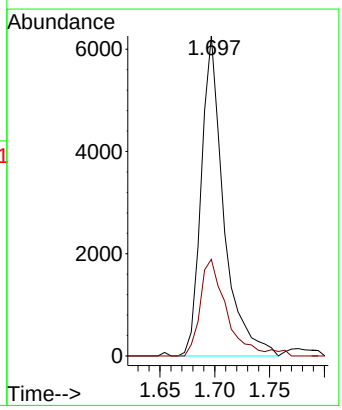
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

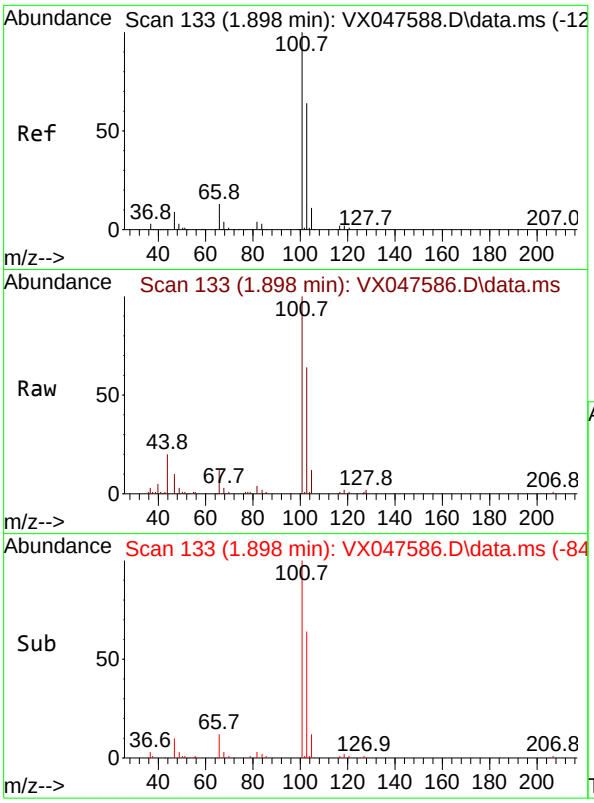



#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.2 | 26.1 | 39.1 |

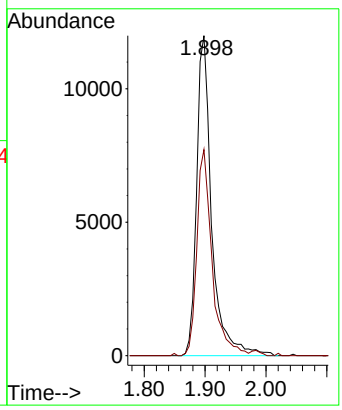





#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:101 Resp: 2049

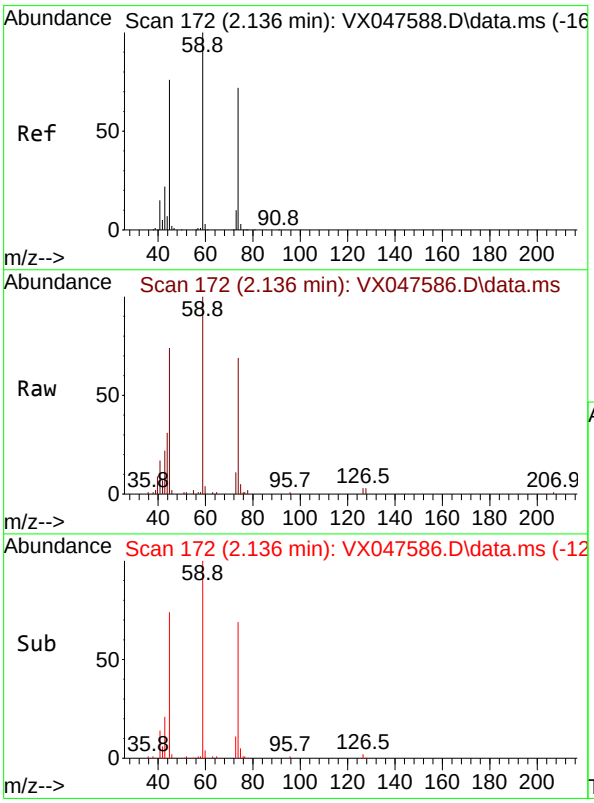
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

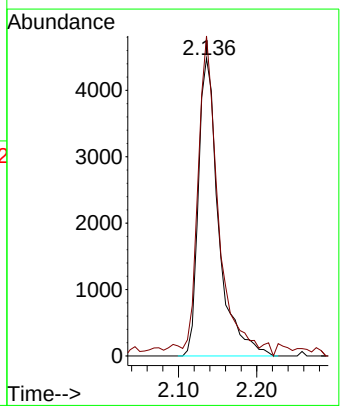
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

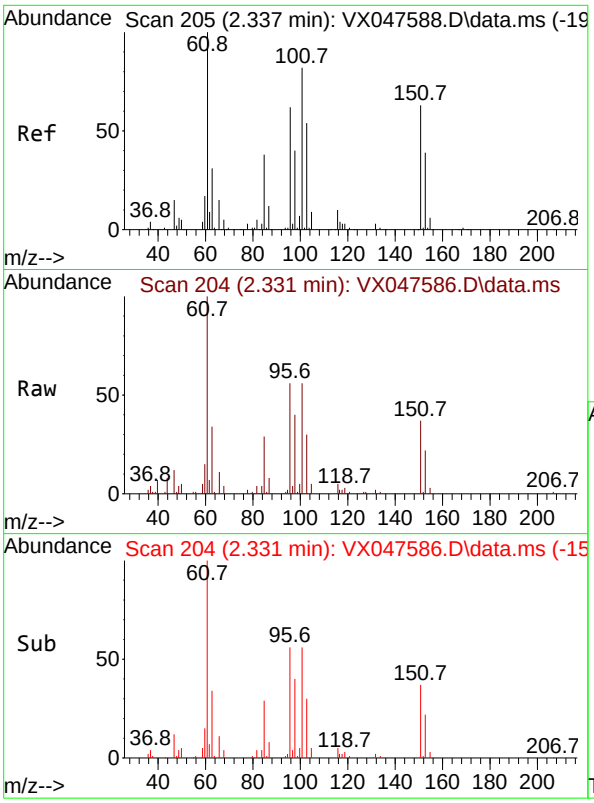



#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 111.7 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

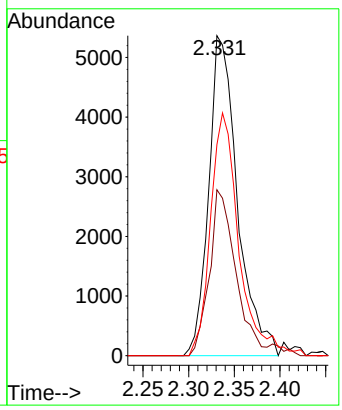
Tgt Ion:101 Resp: 1172

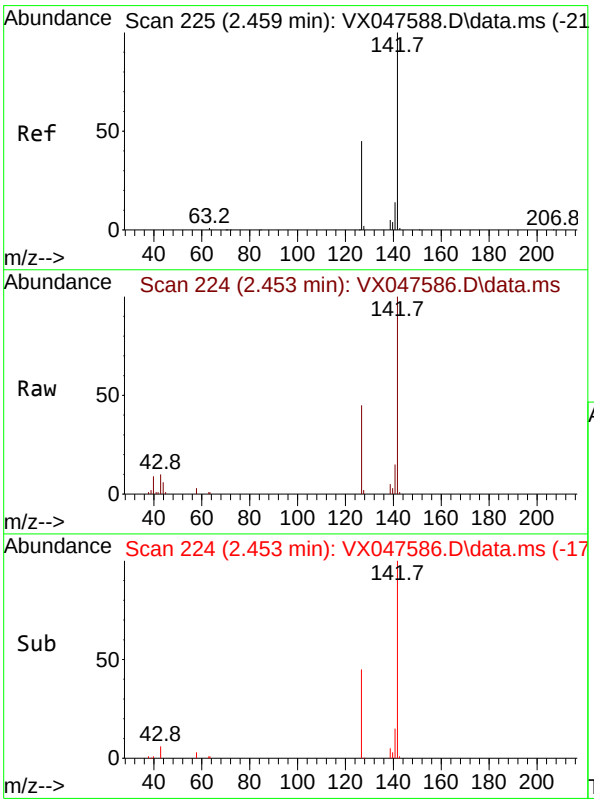
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.5 | 35.5 | 53.3 |
| 151 | 75.0 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

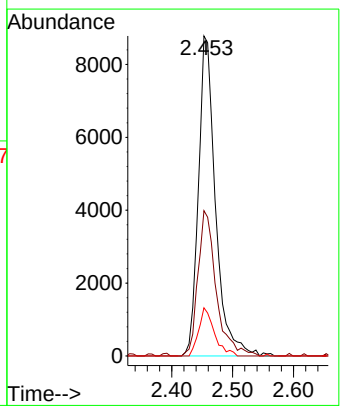


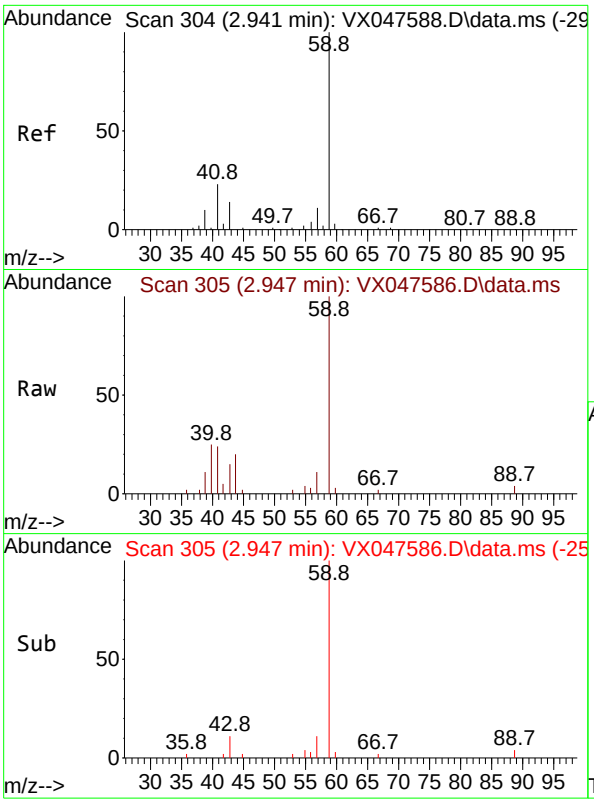




#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.4 | 37.2 | 55.8 |
| 141 | 13.8 | 11.4 | 17.0 |

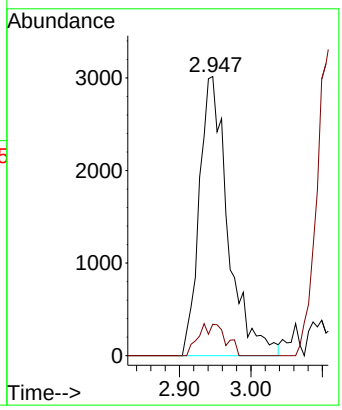





#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 59 Resp: 839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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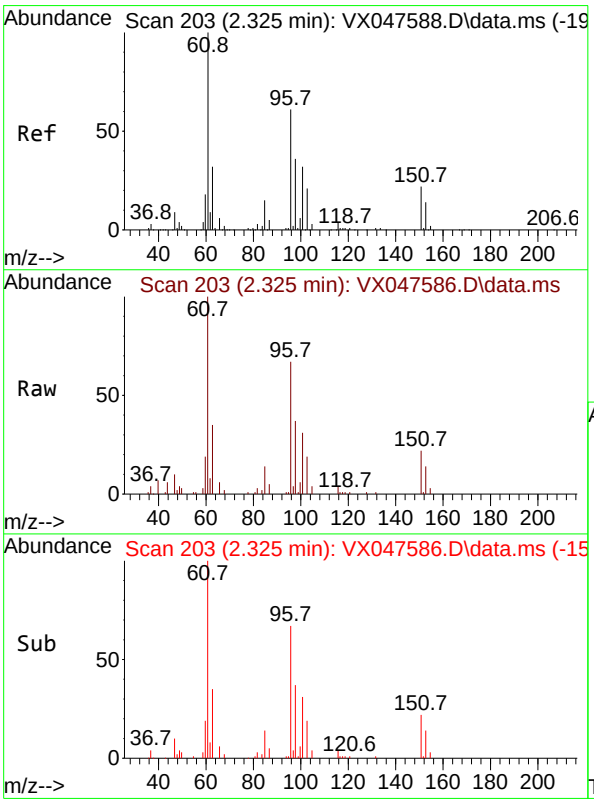
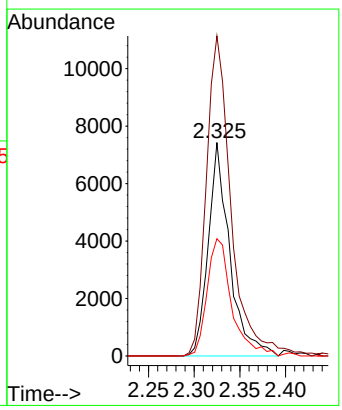
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

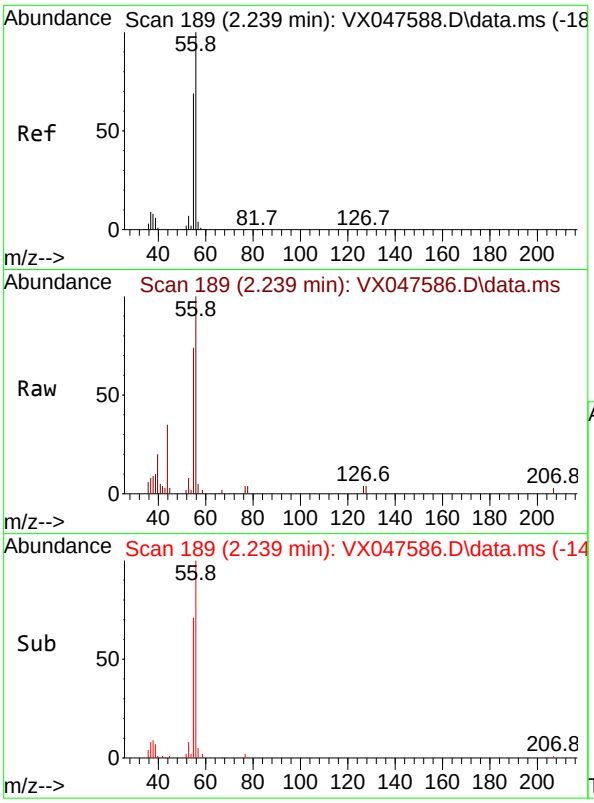



#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 131.0 | 196.6 |
| 98 | 54.9 | 47.7 | 71.5 |

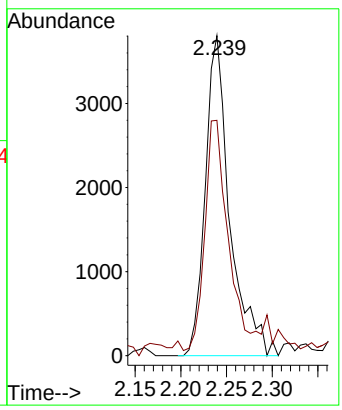





#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 708

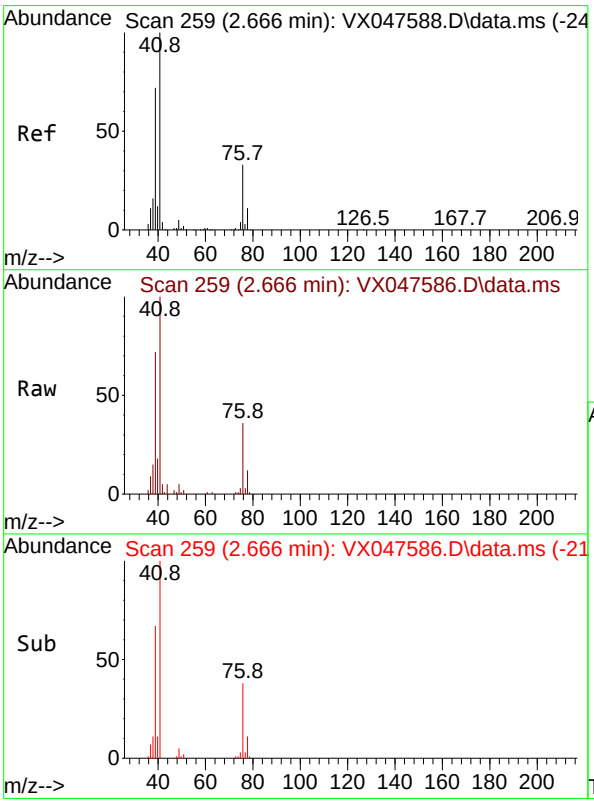
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.1 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

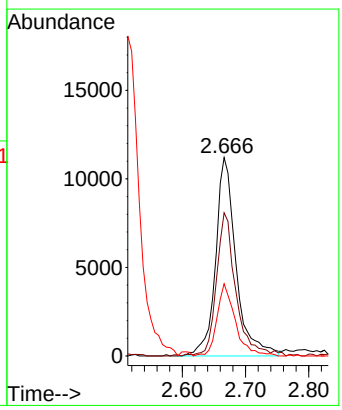
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

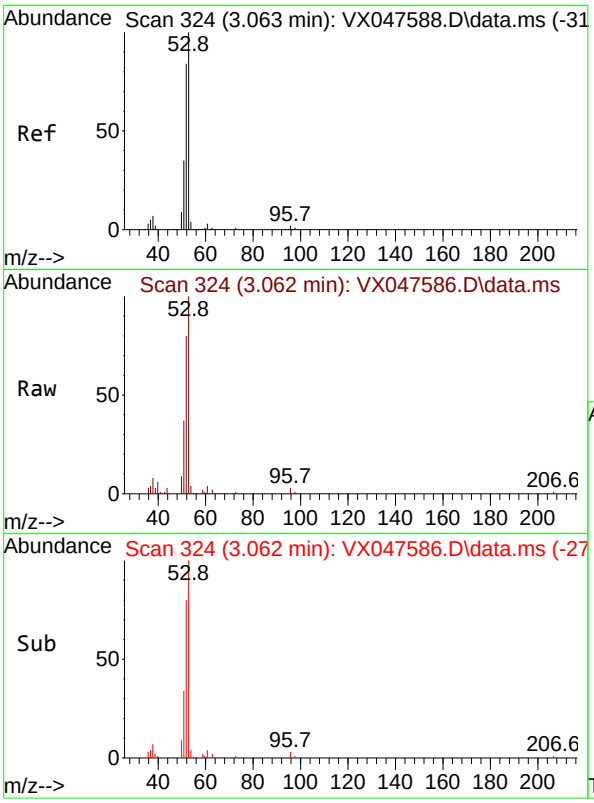



#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.1 | 54.7 | 82.1 |
| 76 | 32.4 | 25.7 | 38.5 |

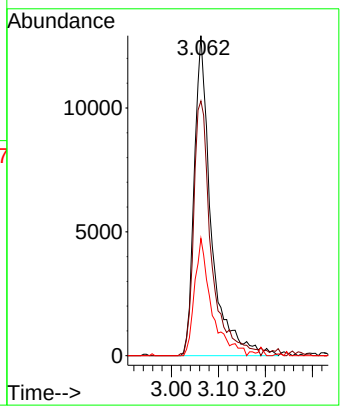





#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 53 Resp: 3258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 66.4 | 99.6 |
| 51 | 36.5 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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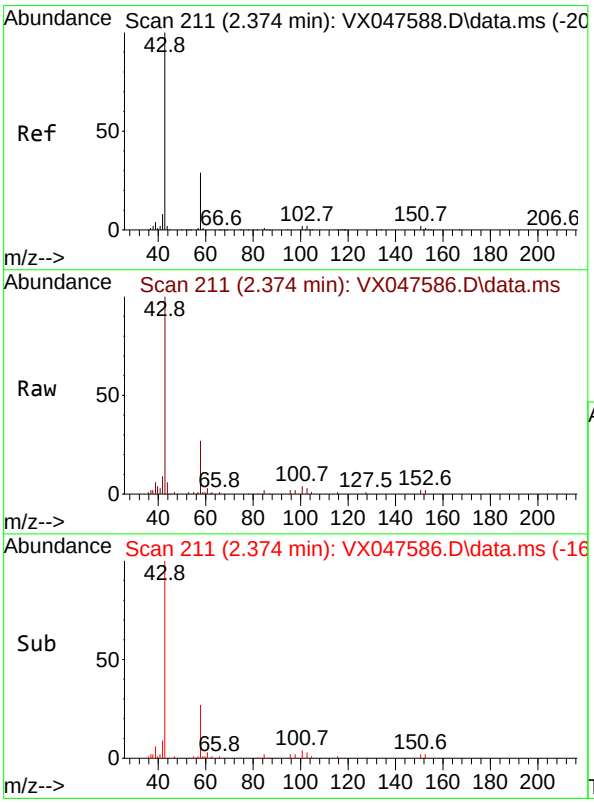
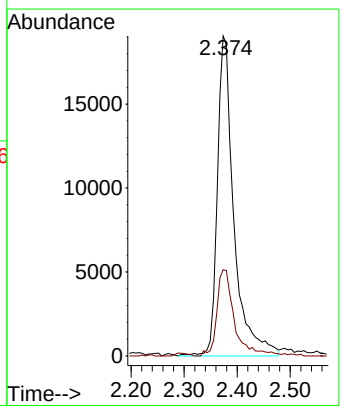
Supervised By :Mahesh Dadoda 09/18/2025

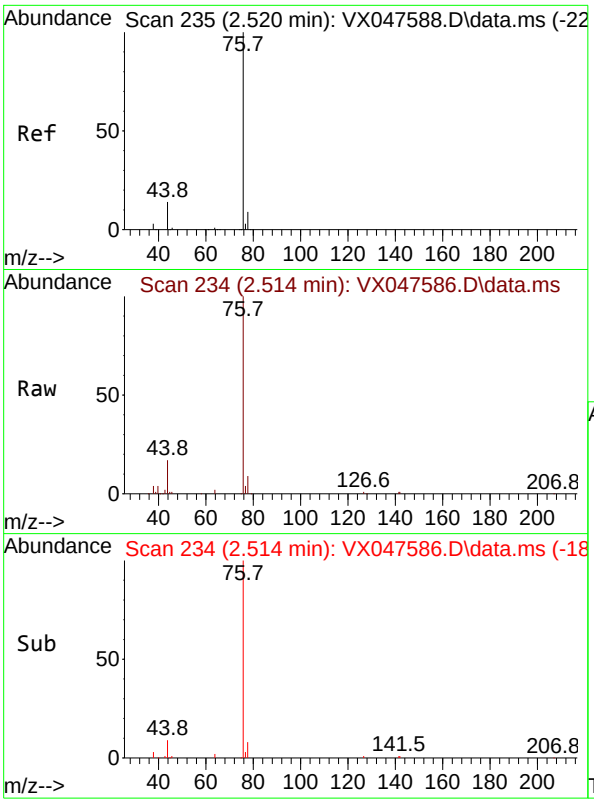



#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 23.4 | 35.0 |

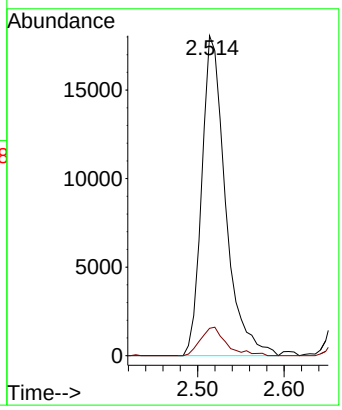





#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 76 Resp: 3442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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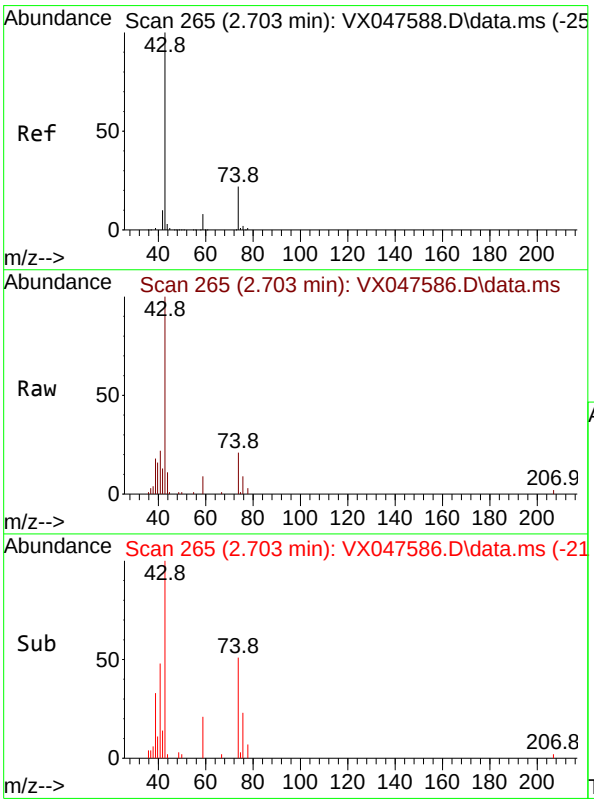
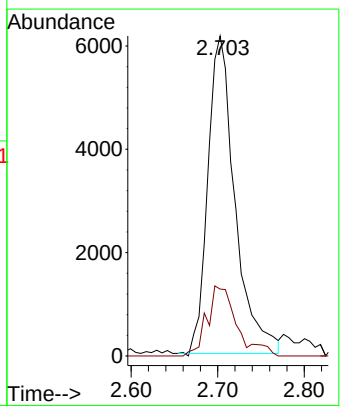
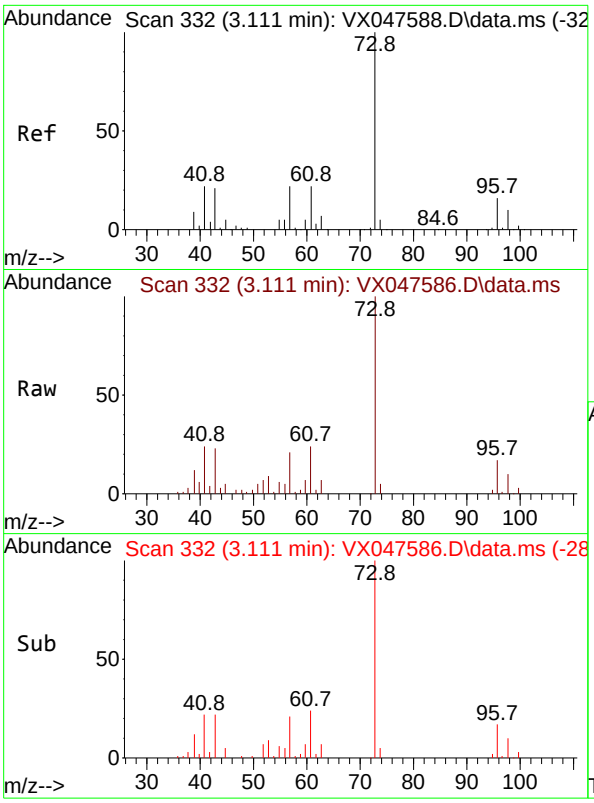



#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.9 | 17.4 | 26.2 |

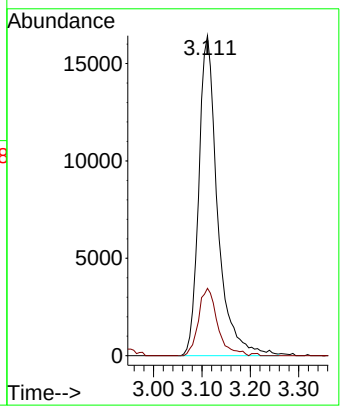





#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 73 Resp: 4439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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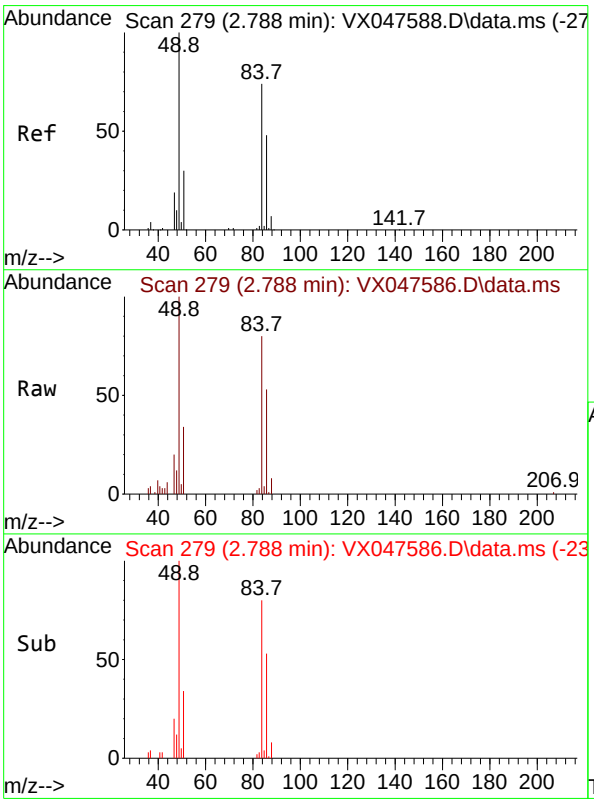
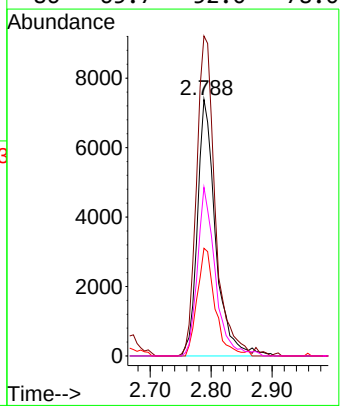
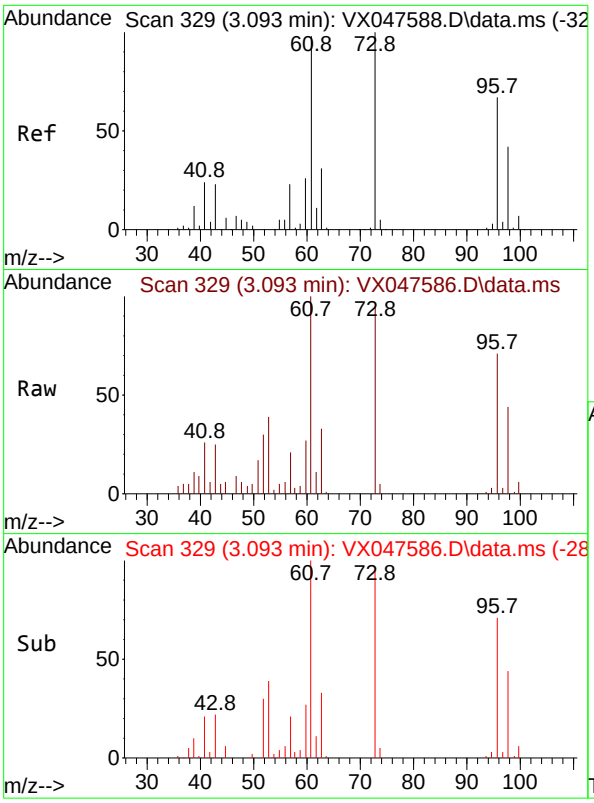



#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.7 | 108.6 | 162.8 |
| 51 | 42.0 | 32.6 | 48.8 |
| 86 | 65.7 | 52.0 | 78.0 |

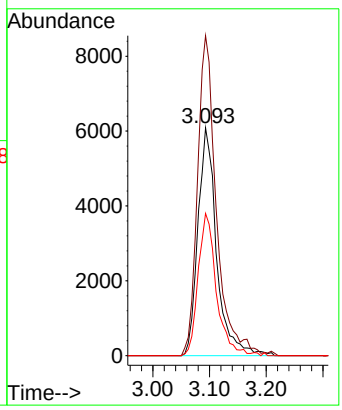





#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.4 | 116.2 | 174.2 |
| 98 | 62.4 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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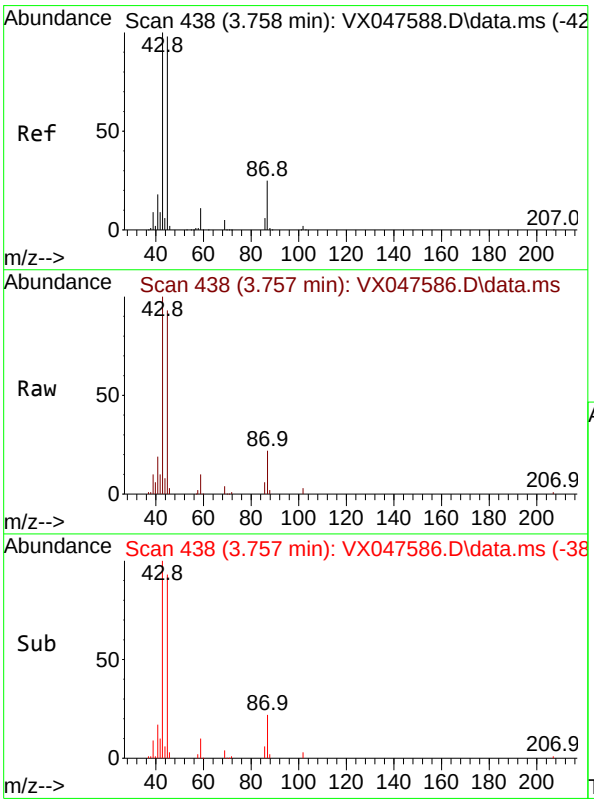
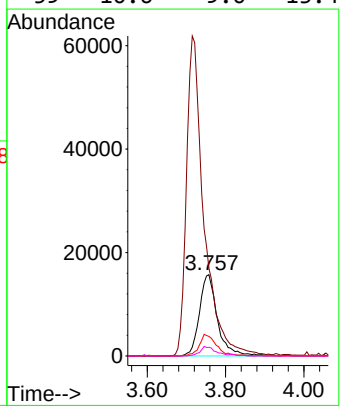
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

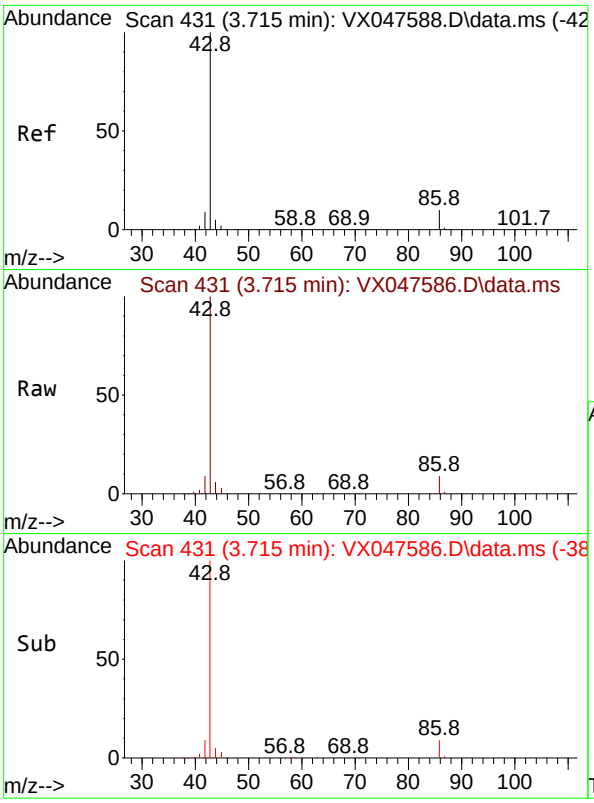



#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 102.8 | 81.0 | 121.4 |
| 87 | 23.3 | 20.3 | 30.5 |
| 59 | 10.6 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 19217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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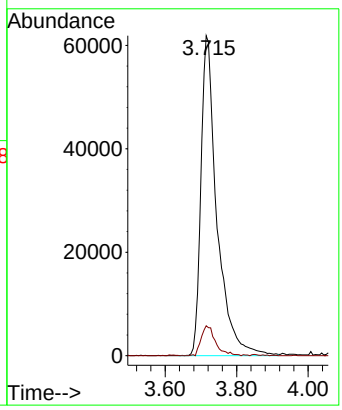
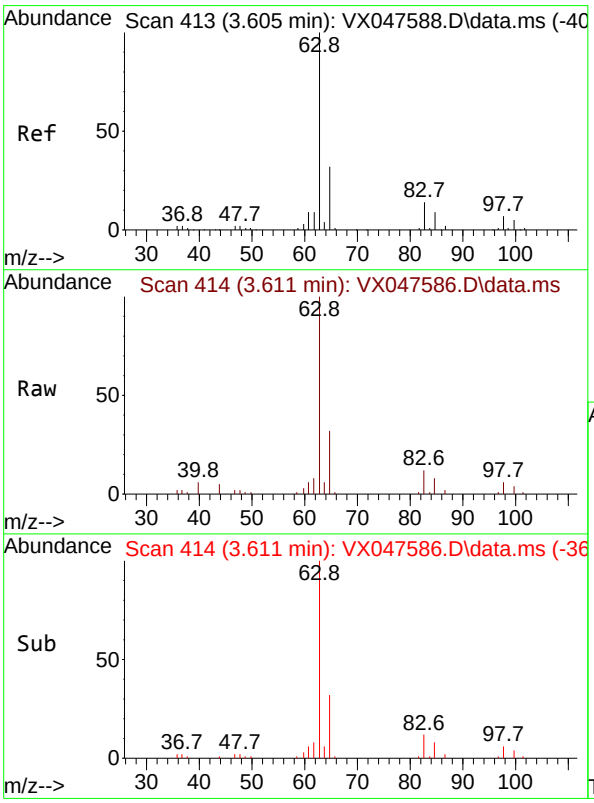
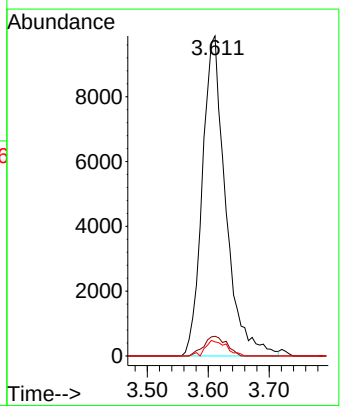


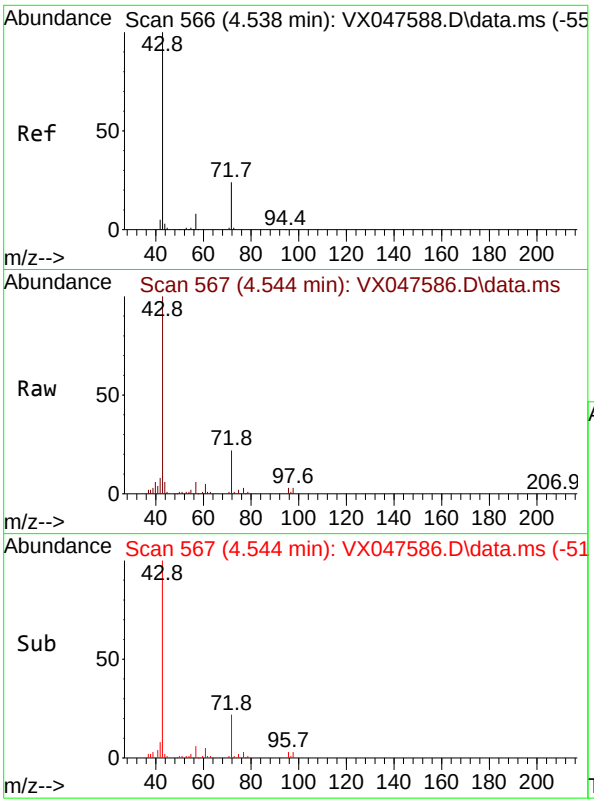




#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 4665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.3 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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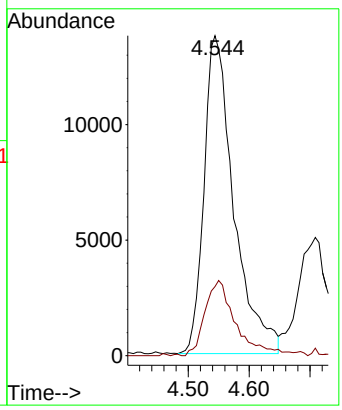
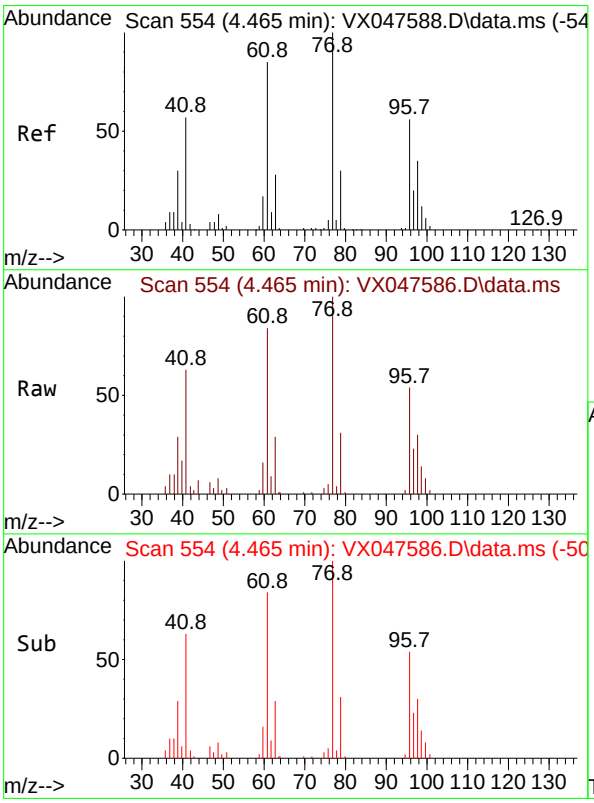
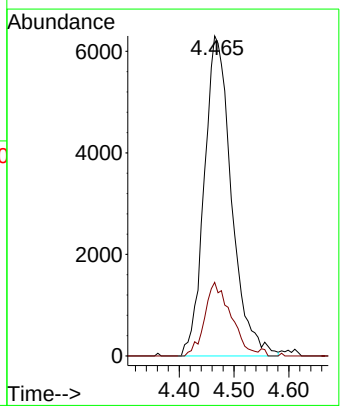


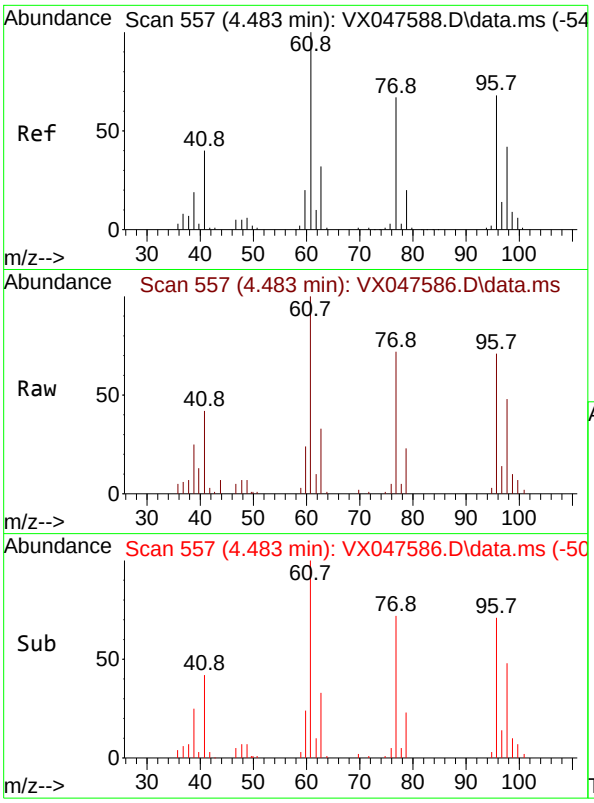




#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |

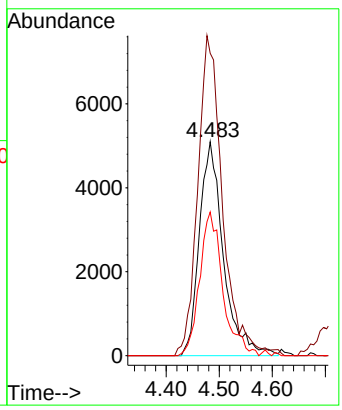





#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 1599

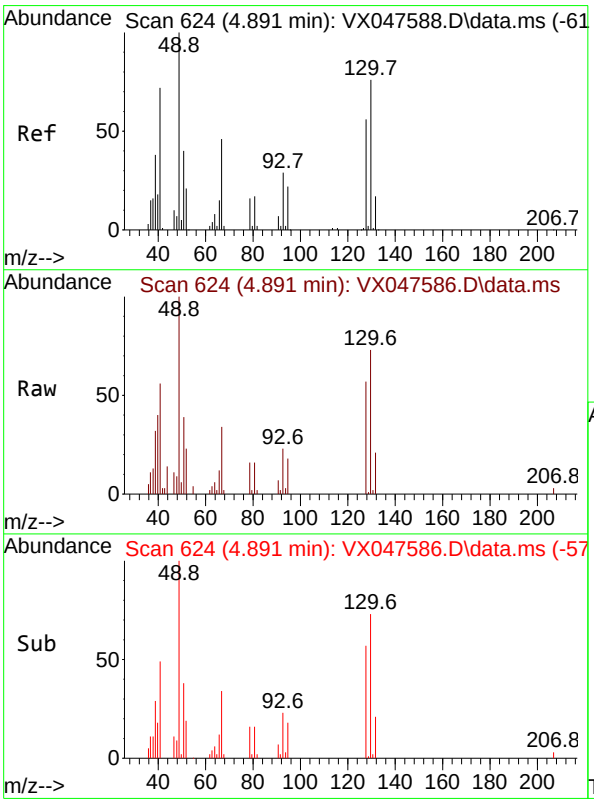
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.4 | 0.0 | 303.2 |
| 98 | 64.8 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

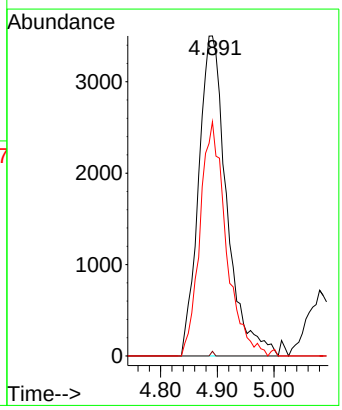
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

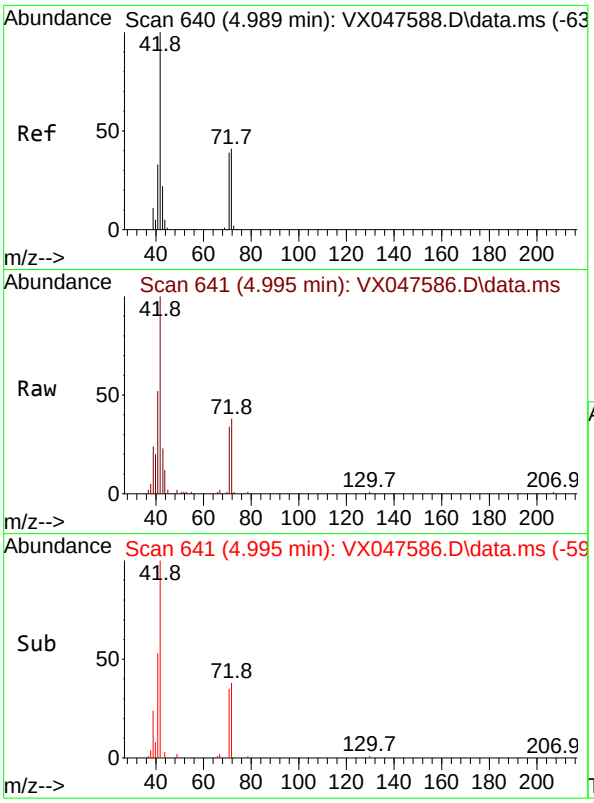



#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.2 | 0.0 | 3.2 |
| 130 | 68.0 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

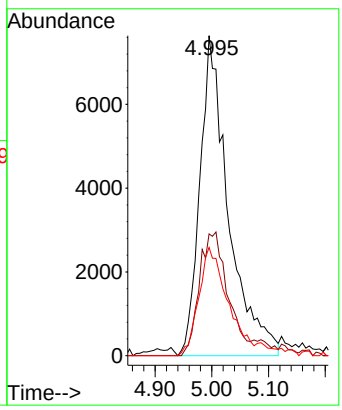
Tgt Ion: 42 Resp: 2672

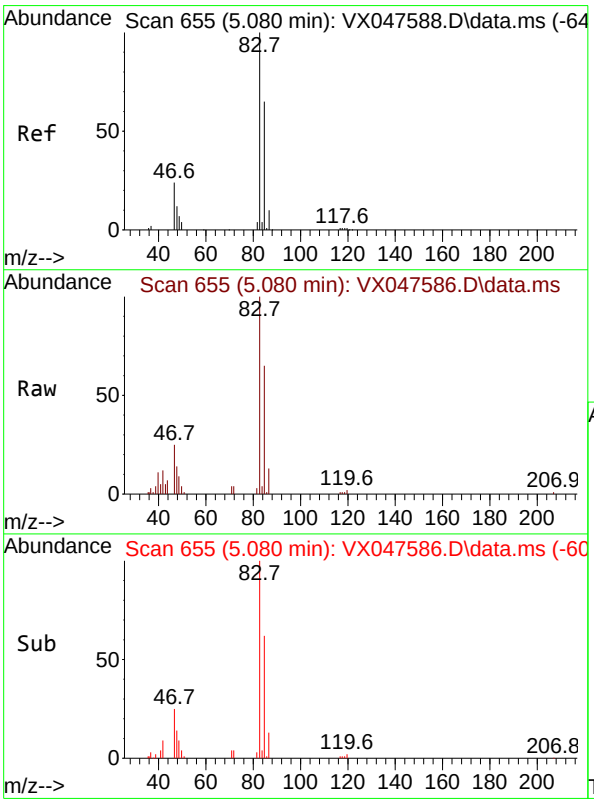
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.7 | 34.2 | 51.2 |
| 71 | 34.1 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

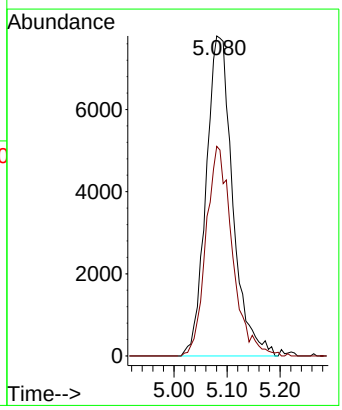


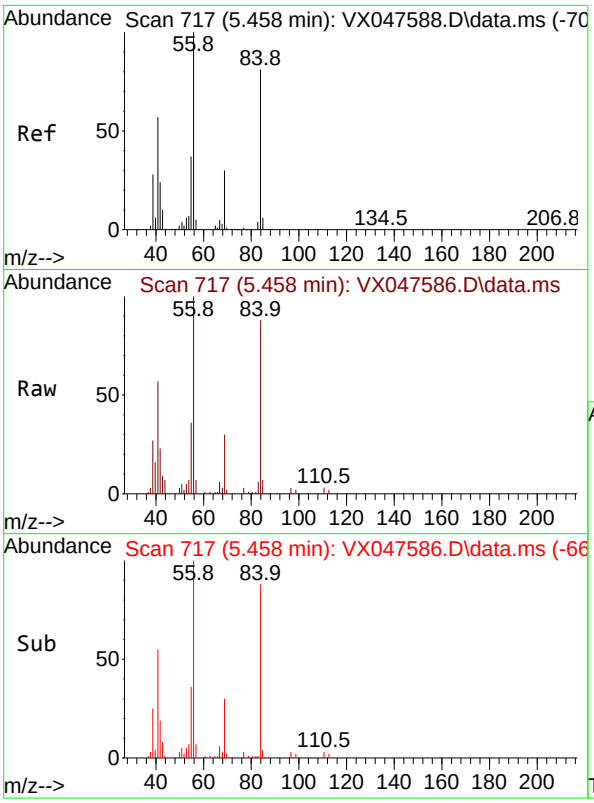




#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.8 | 77.6 |






#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 56 Resp: 2303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 23.8 | 35.8 |
| 84 | 87.1 | 64.6 | 97.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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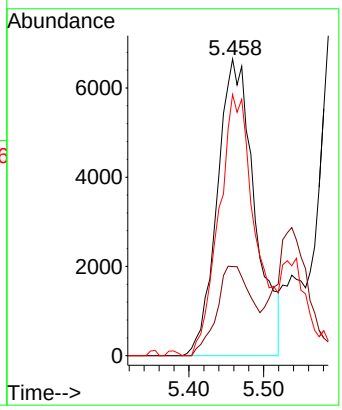
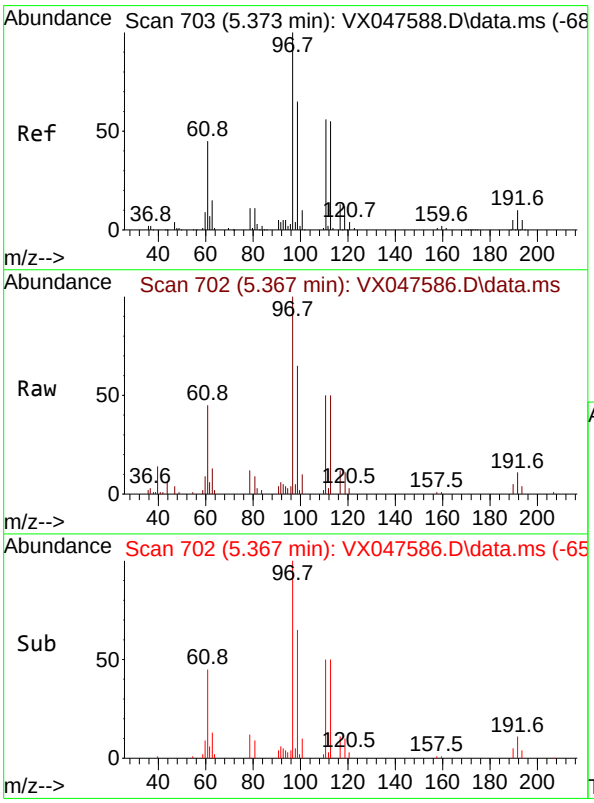
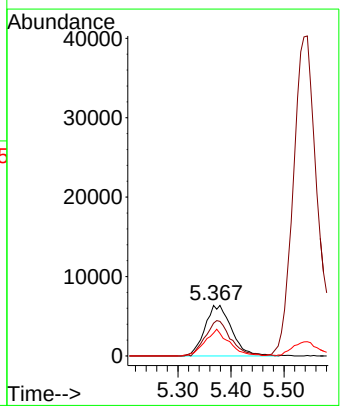


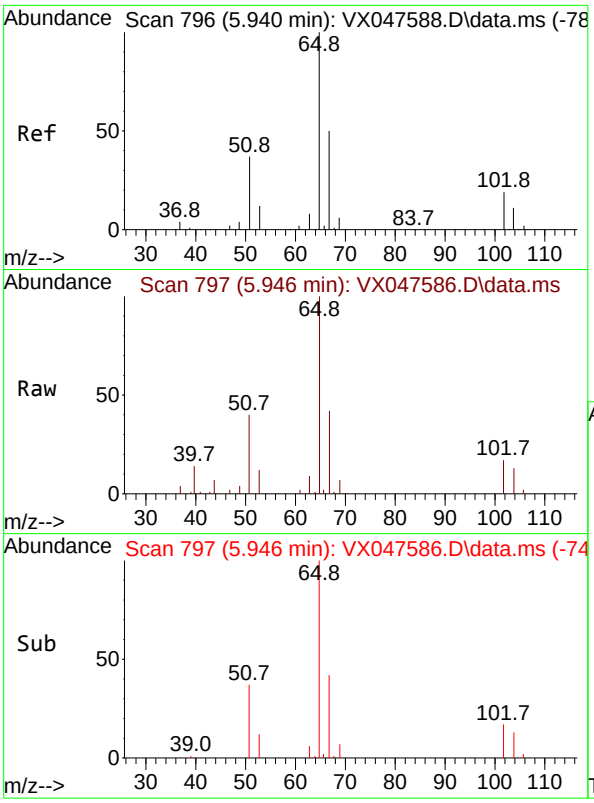




#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.4 | 50.6 | 76.0 |
| 61 | 47.4 | 35.8 | 53.8 |

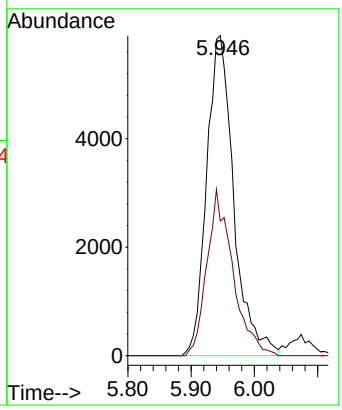





#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 65 Resp: 1753

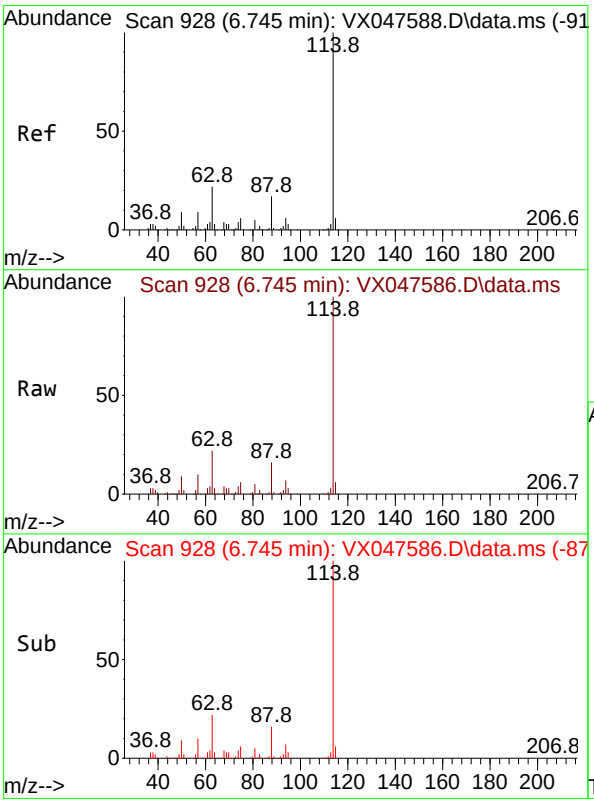
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.7 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

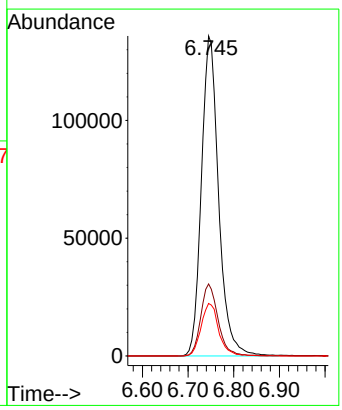
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

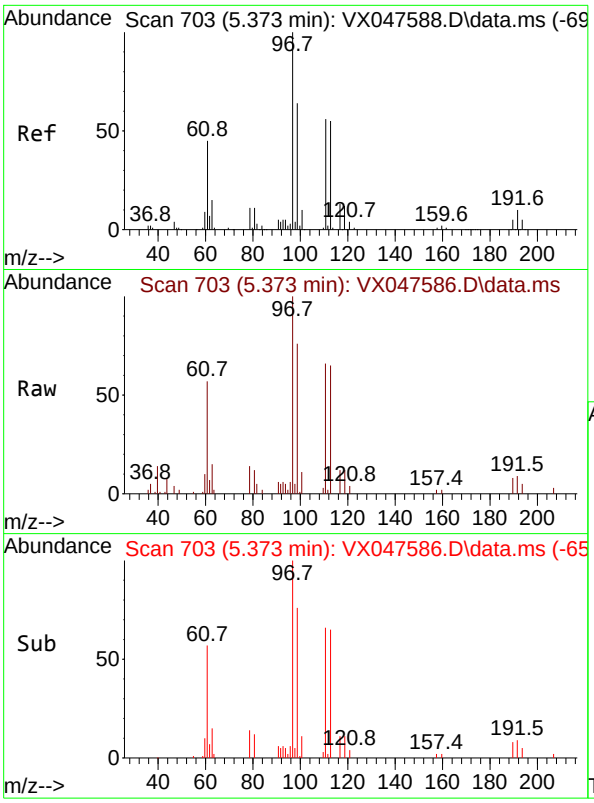



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |

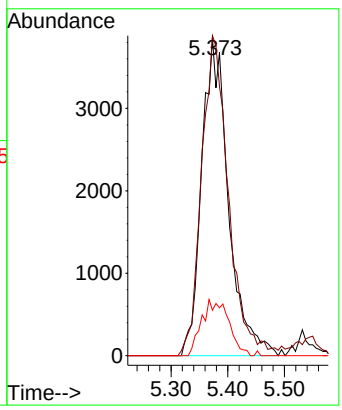





#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:113 Resp: 1264

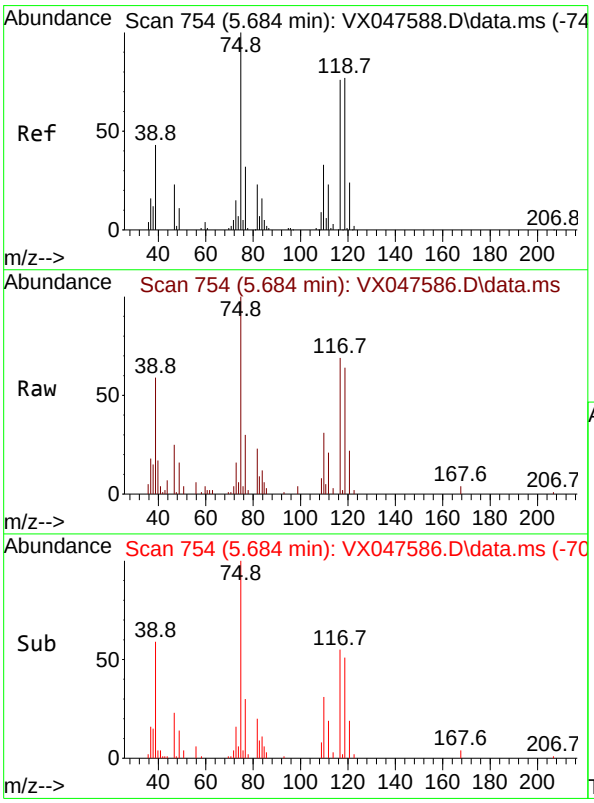
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.5 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

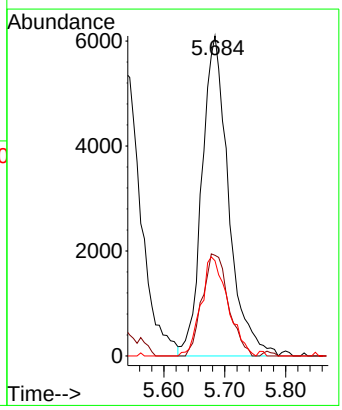
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

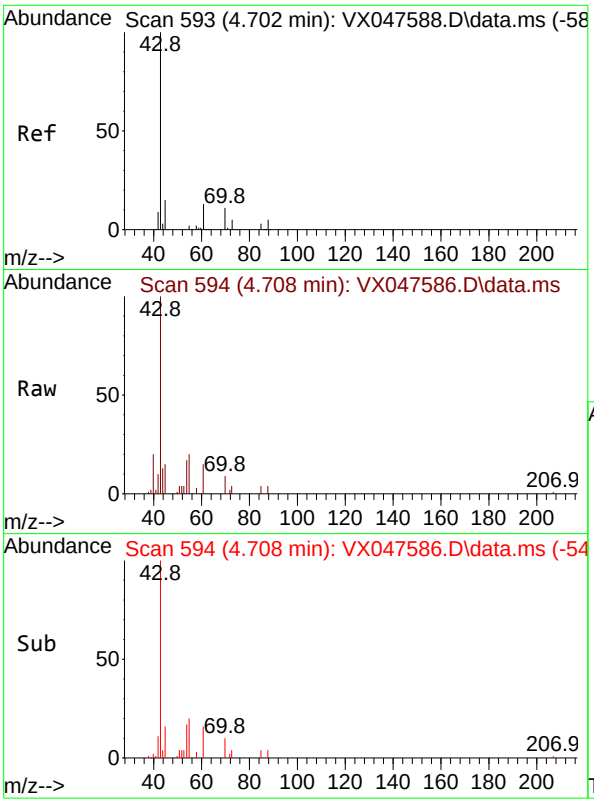



#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.4 | 16.7 | 50.1 |
| 77 | 31.0 | 24.3 | 36.5 |

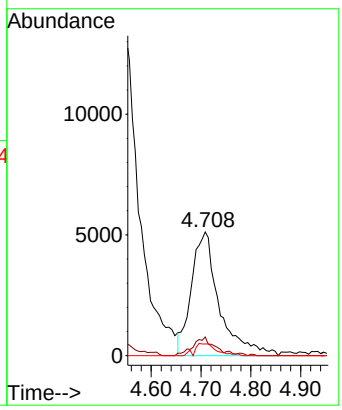





#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 1991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.9 | 9.8 | 14.8 |
| 70 | 7.6 | 7.9 | 11.9# |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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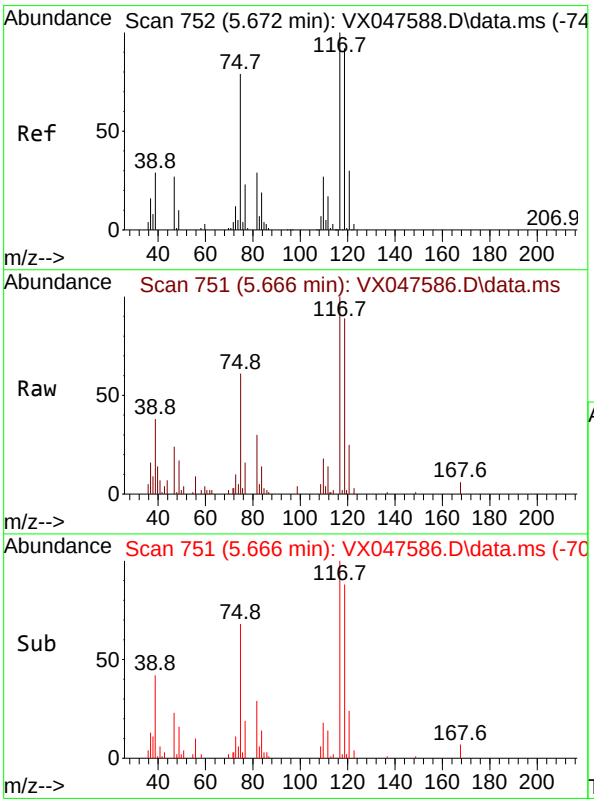
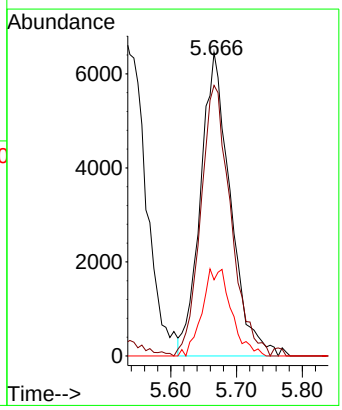
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

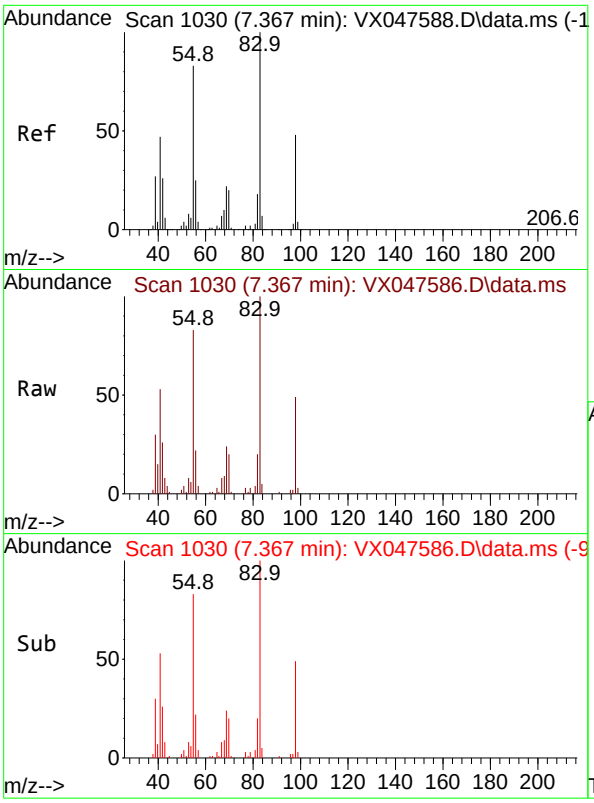



#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 88.9 | 73.4 | 110.2 |
| 121 | 25.1 | 23.8 | 35.6 |

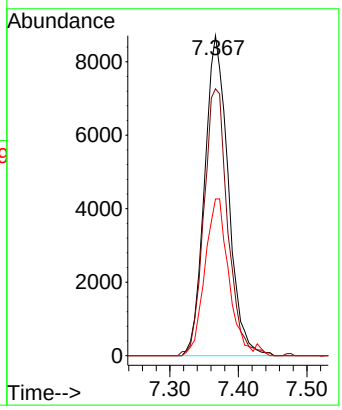





#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2090

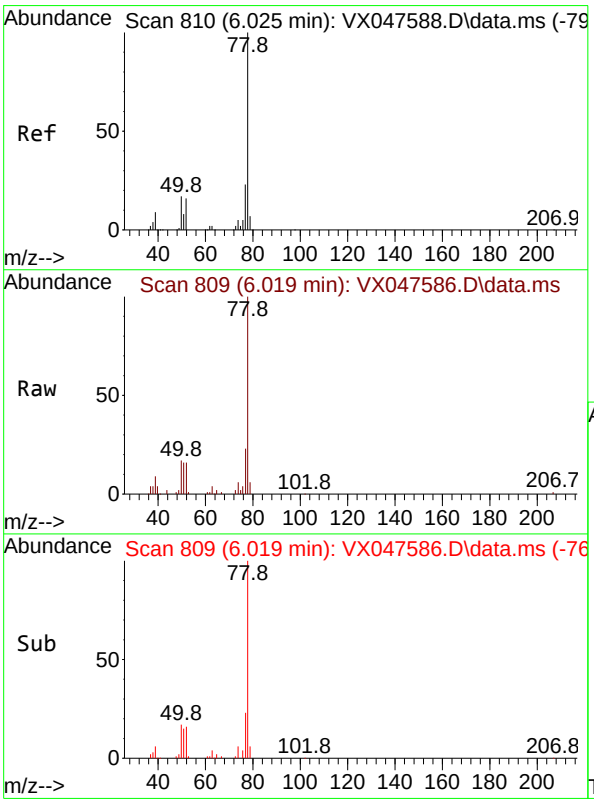
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.1 | 66.4 | 99.6 |
| 98 | 46.4 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

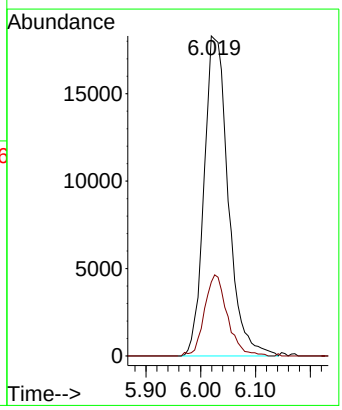
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

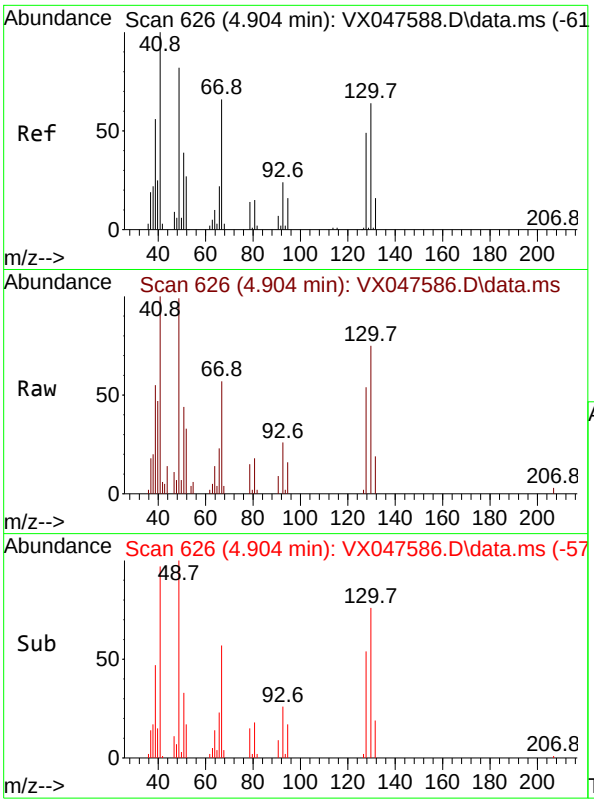



#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.8 | 28.2 |

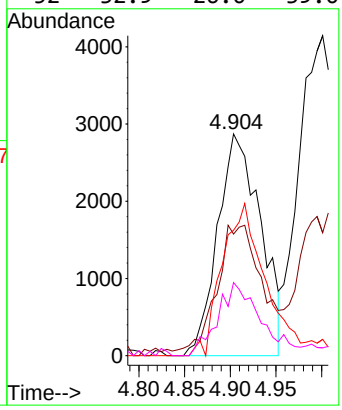





#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.3 | 43.3 | 64.9 |
| 67 | 68.7 | 58.6 | 87.8 |
| 52 | 32.9 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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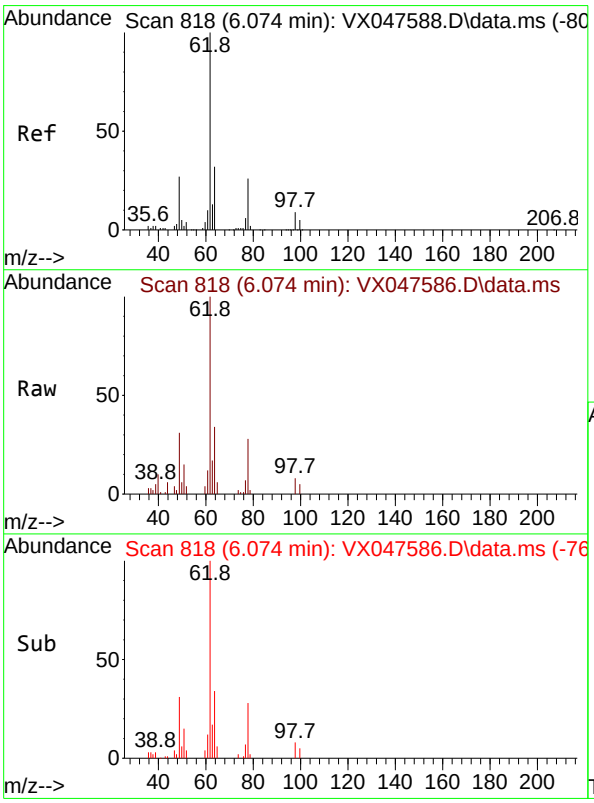
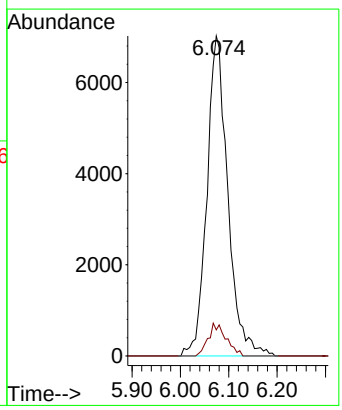
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

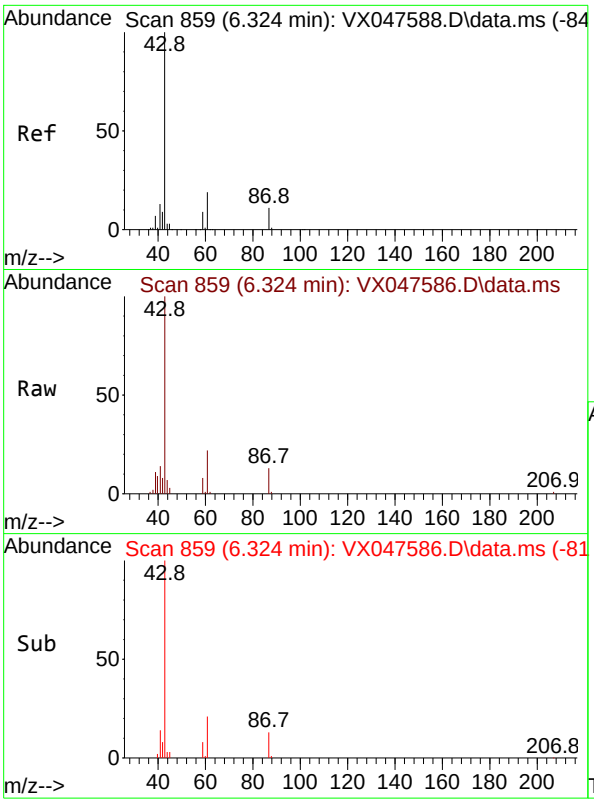



#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |

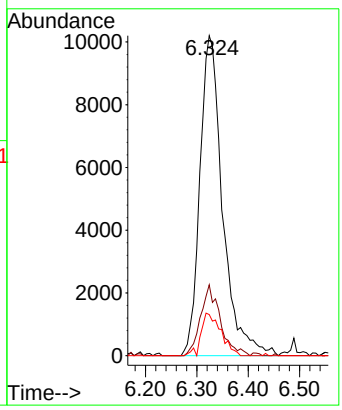





#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 3130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.2 | 22.8 |
| 87 | 11.6 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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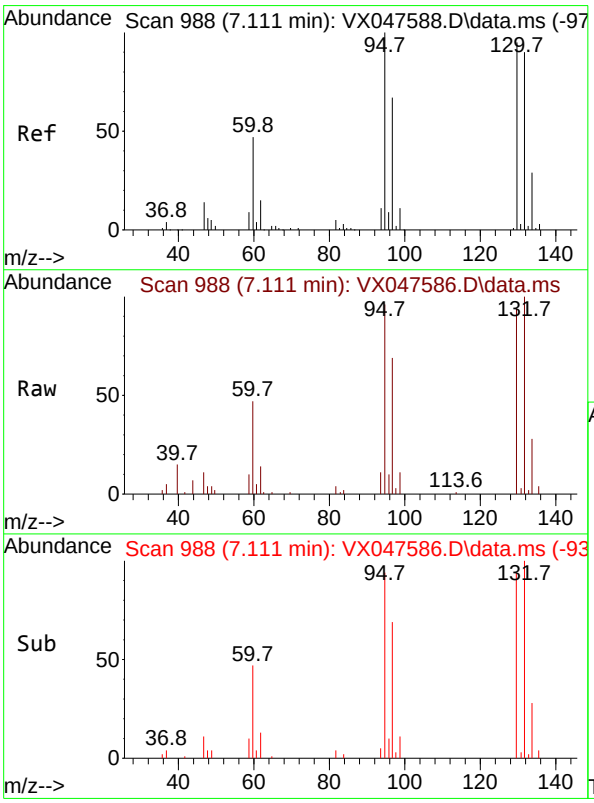
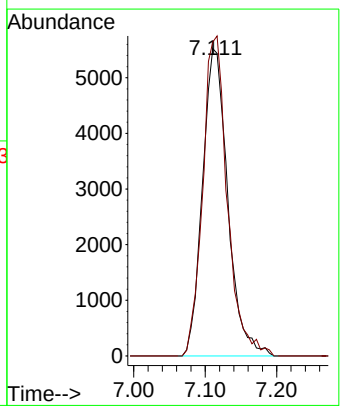
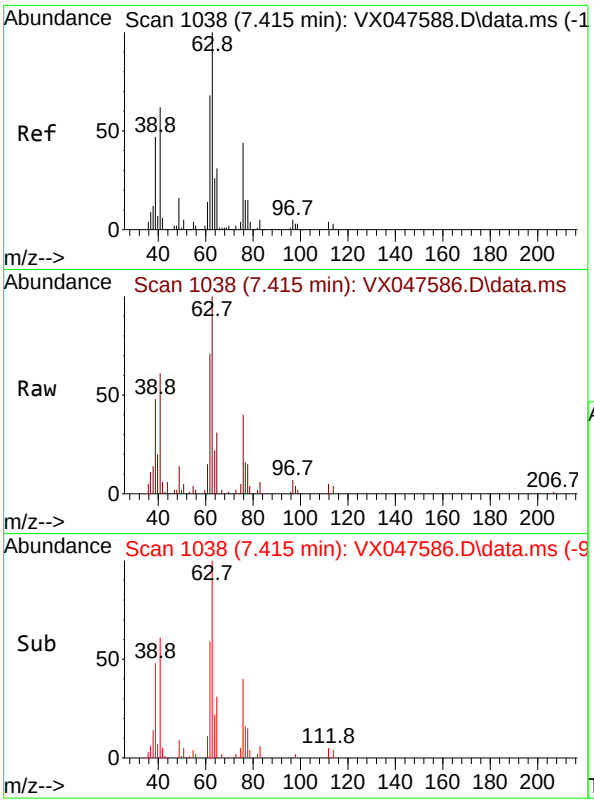



#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

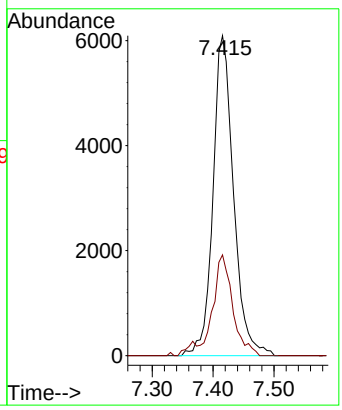
Tgt Ion: 63 Resp: 1430

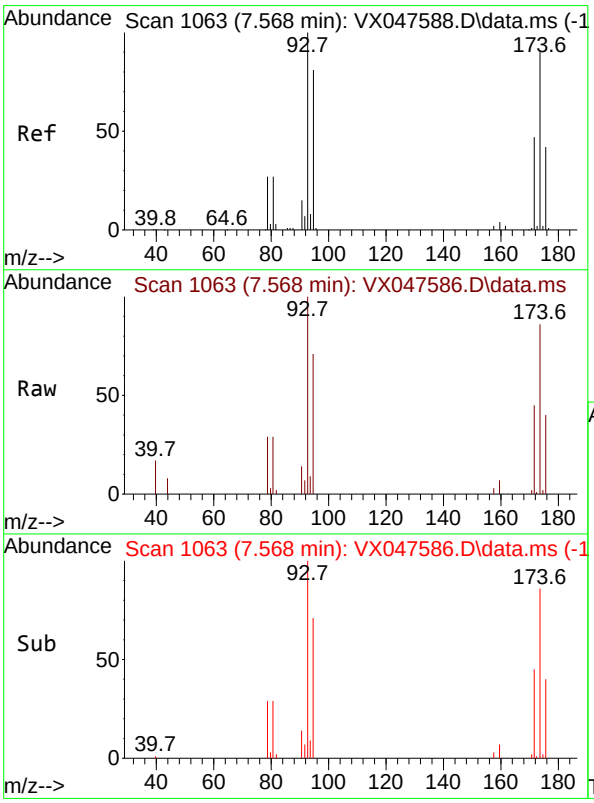
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

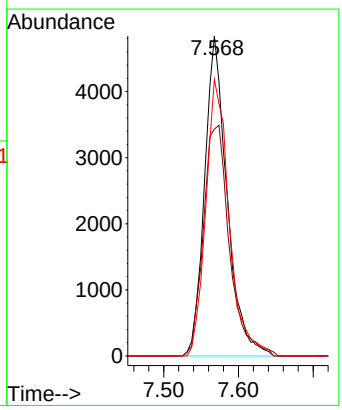


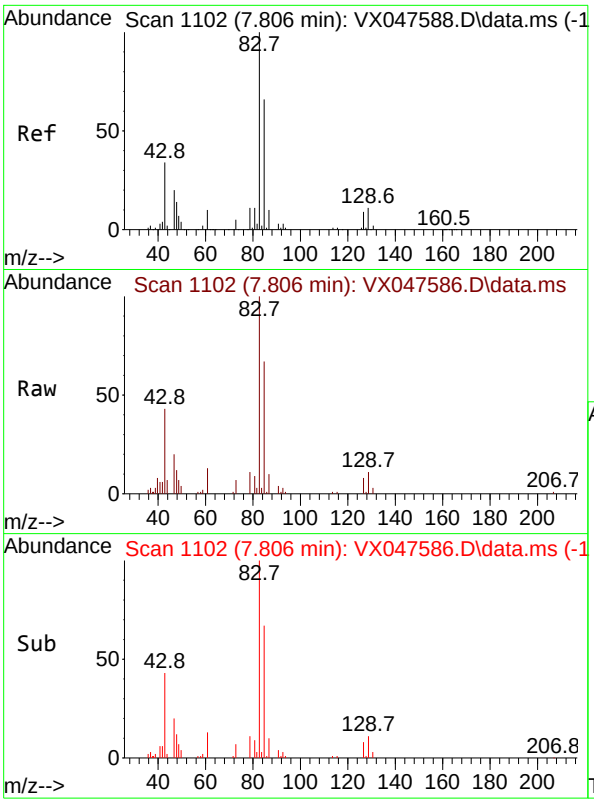




#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.5 | 65.0 | 97.6 |
| 174 | 90.0 | 71.6 | 107.4 |

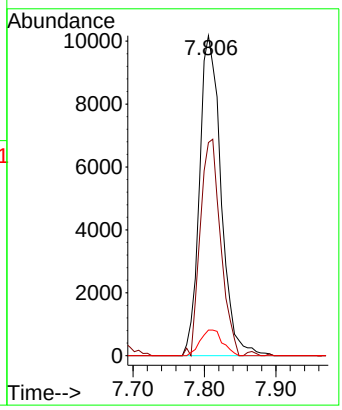





#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 2127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 52.5 | 78.7 |
| 127 | 7.8 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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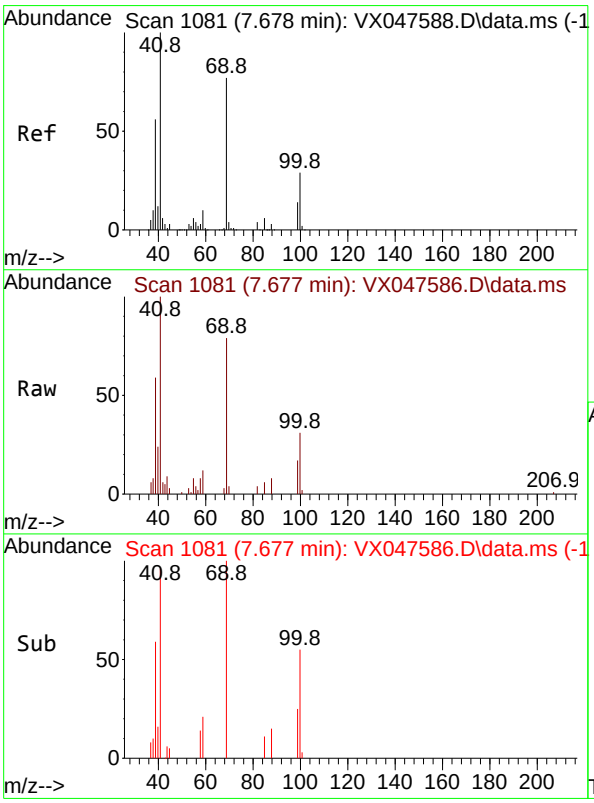
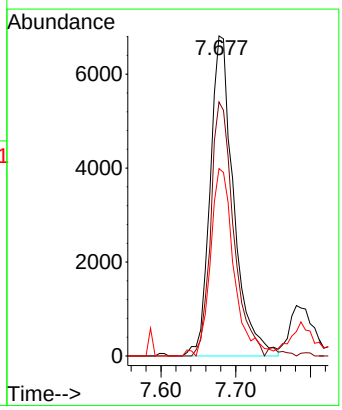
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

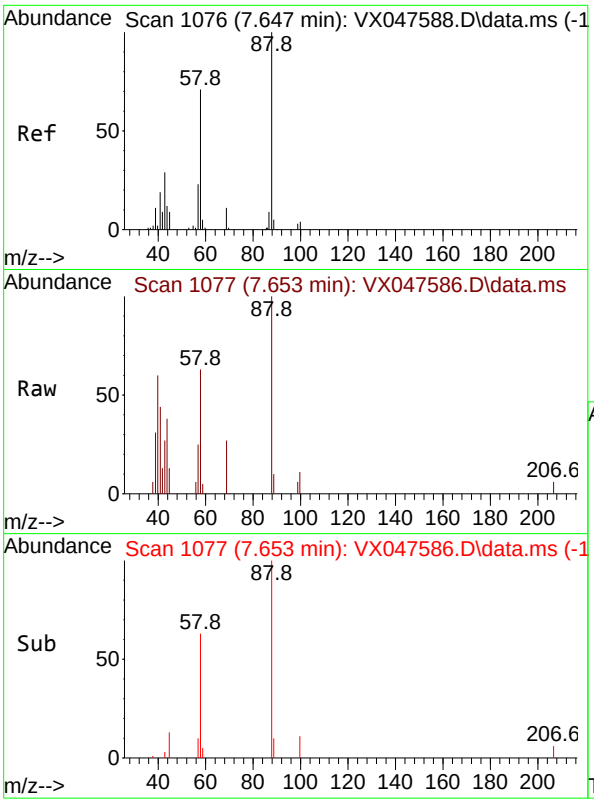



#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.4 | 61.4 | 92.2 |
| 39 | 58.2 | 45.8 | 68.6 |

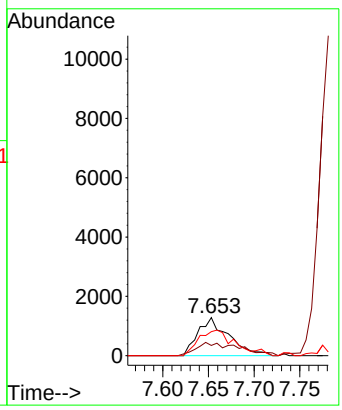





#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 88 Resp: 301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 48.3 | 30.2 | 45.2# |
| 58 | 79.1 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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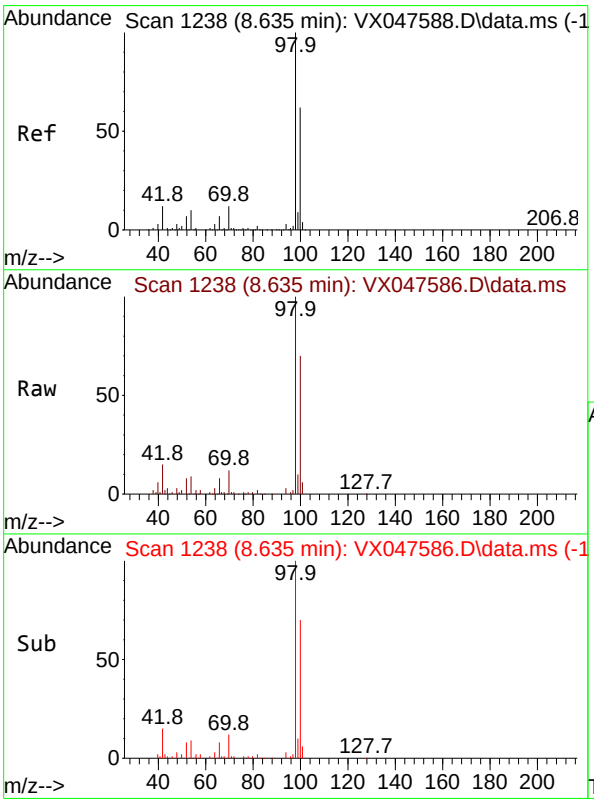
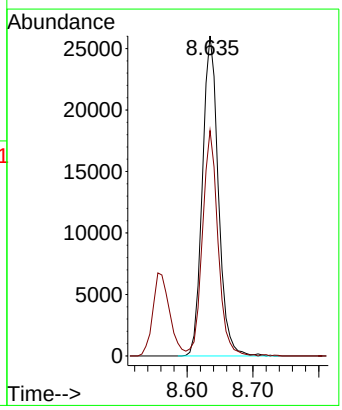
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

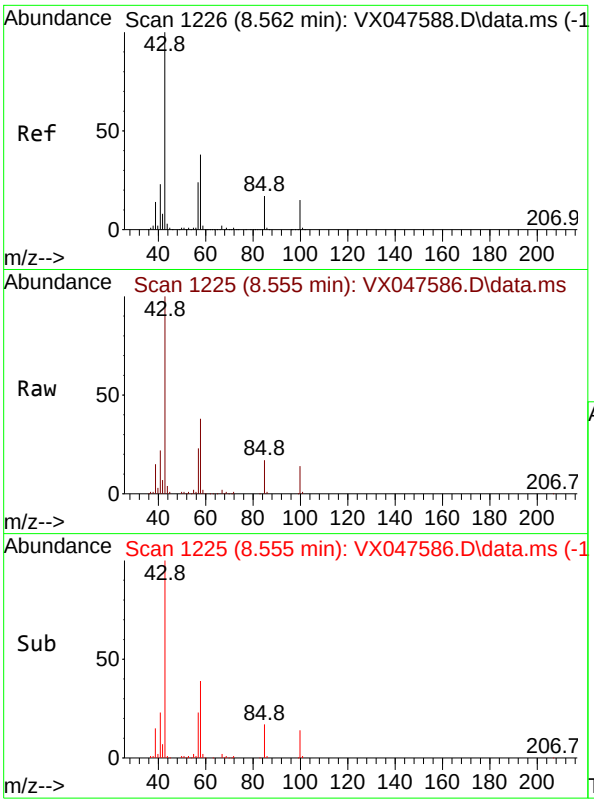



#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.4 | 53.0 | 79.4 |

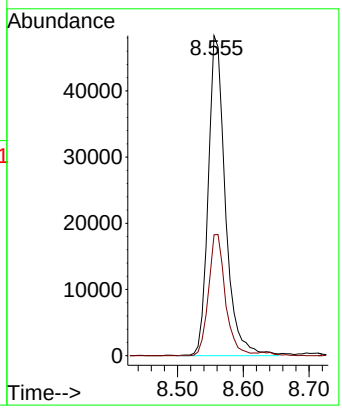





#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 8749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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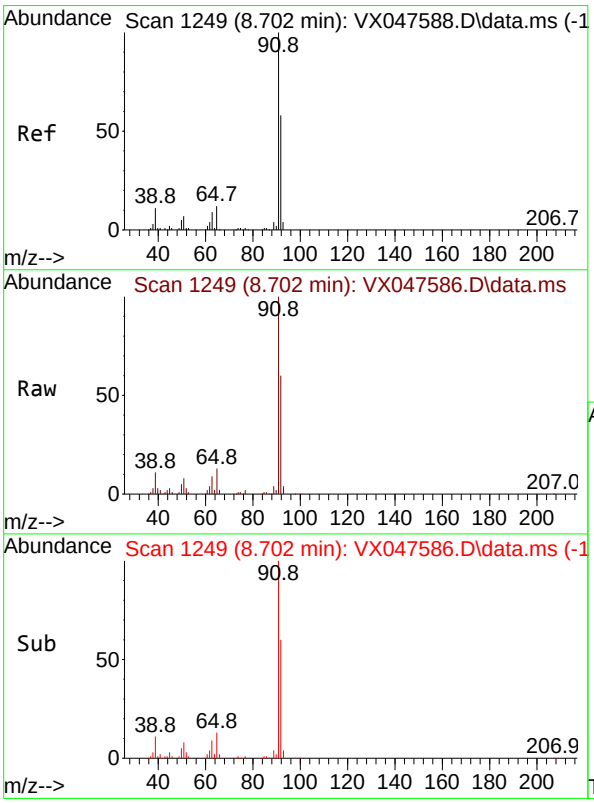
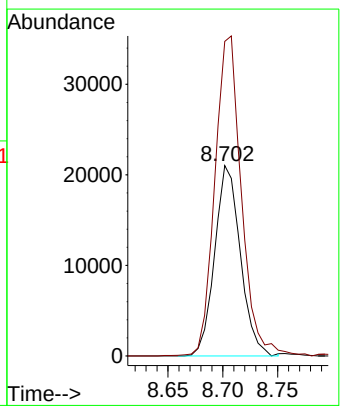
Supervised By :Mahesh Dadoda 09/18/2025

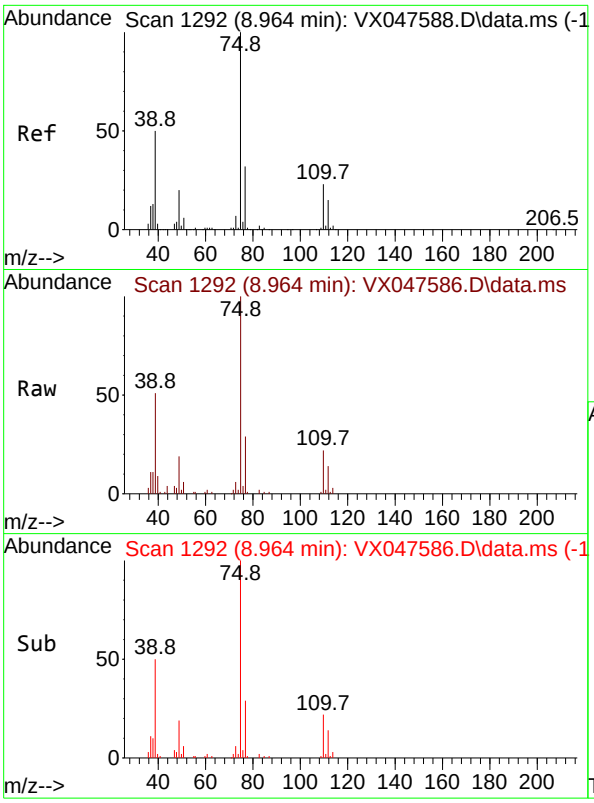



#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.1 | 205.7 |

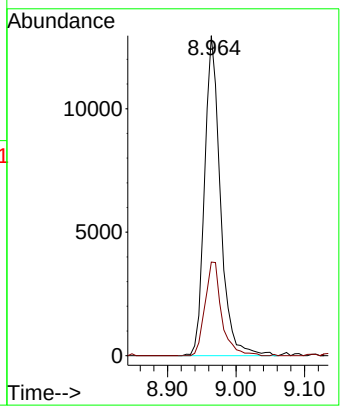





#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 2086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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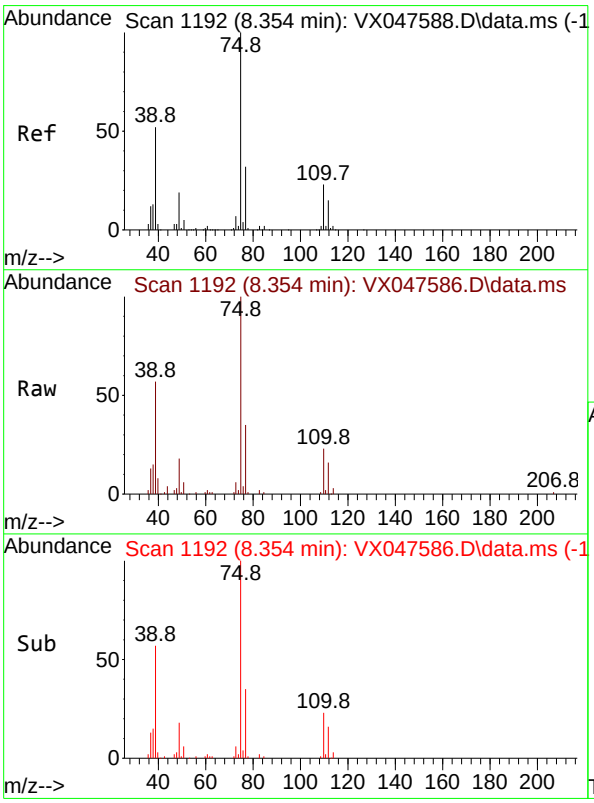
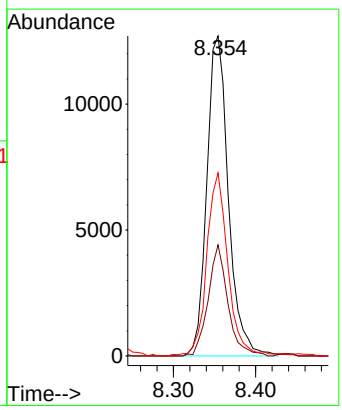
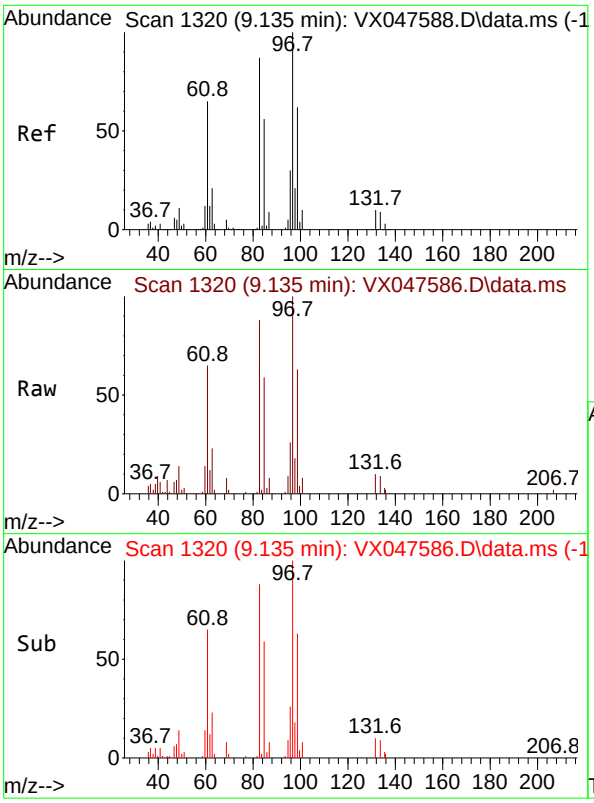



#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.7 | 25.8 | 38.6 |
| 39 | 51.7 | 41.4 | 62.2 |

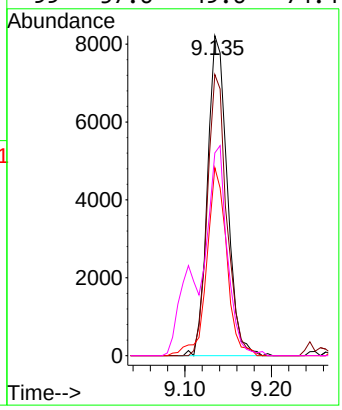





#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 1296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 76.7 | 69.6 | 104.4 |
| 85 | 49.9 | 45.0 | 67.6 |
| 99 | 57.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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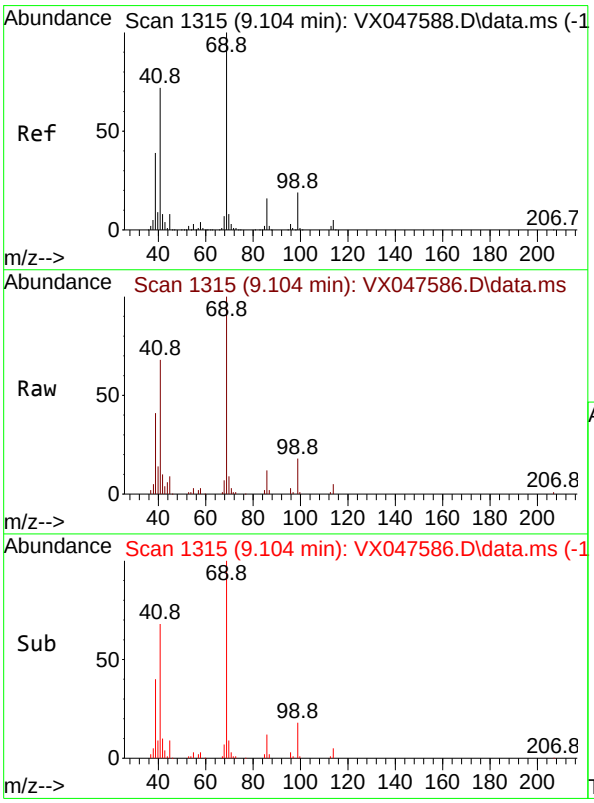
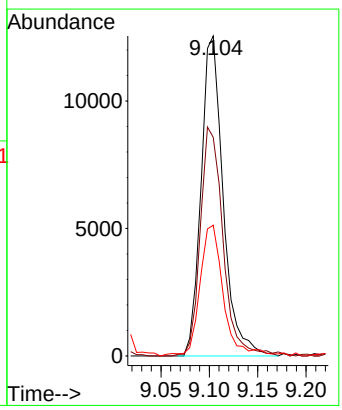
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

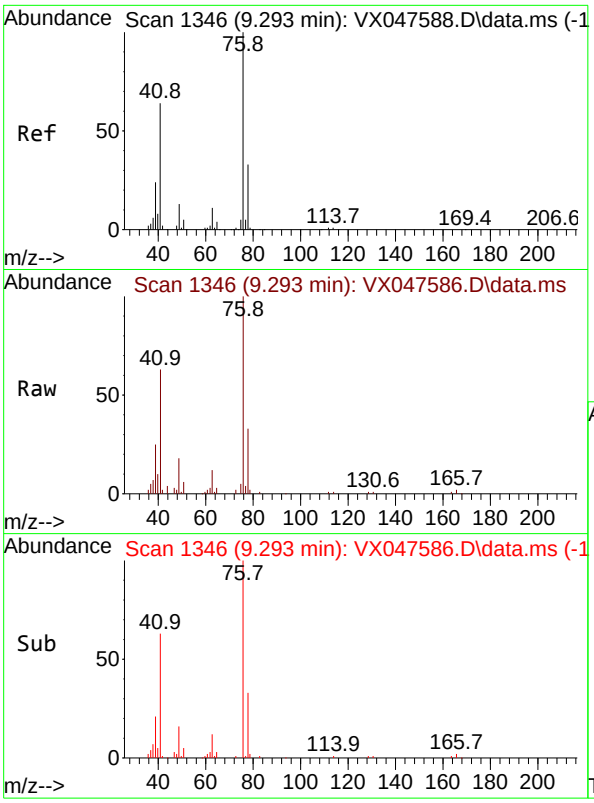



#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.9 | 58.6 | 87.8 |
| 39 | 43.7 | 31.5 | 47.3 |






#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

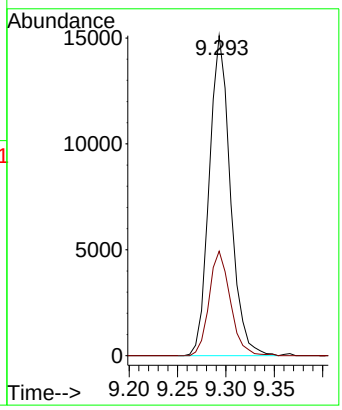
Tgt Ion: 76 Resp: 2298

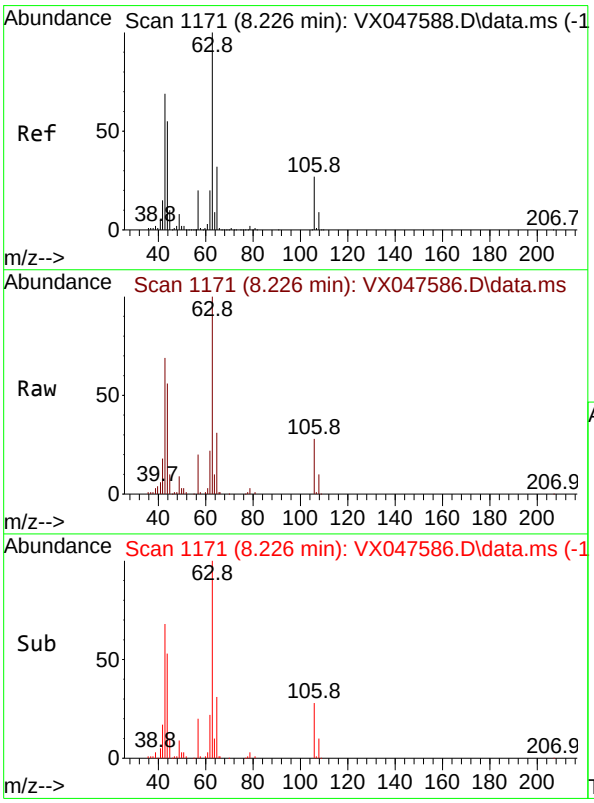
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.2 | 39.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

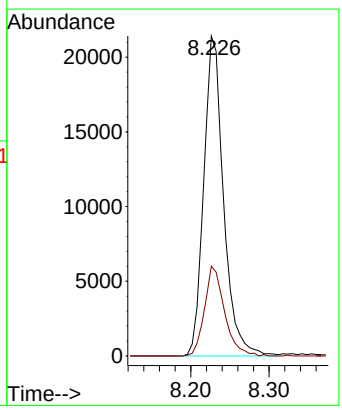


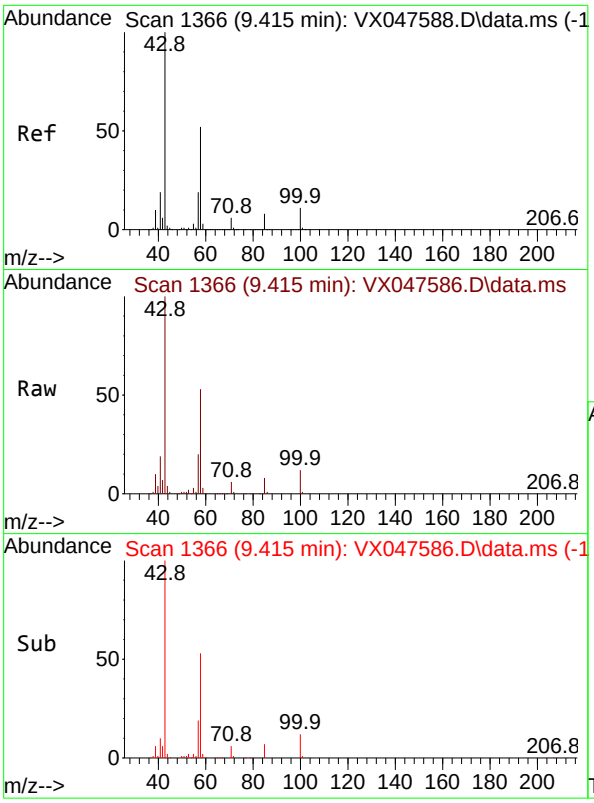




#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 6635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.1 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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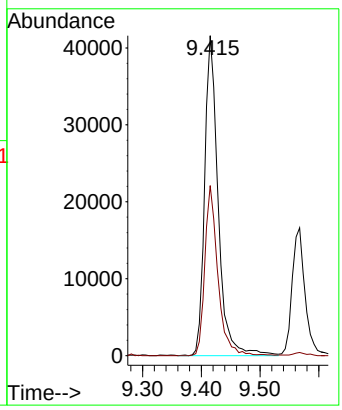
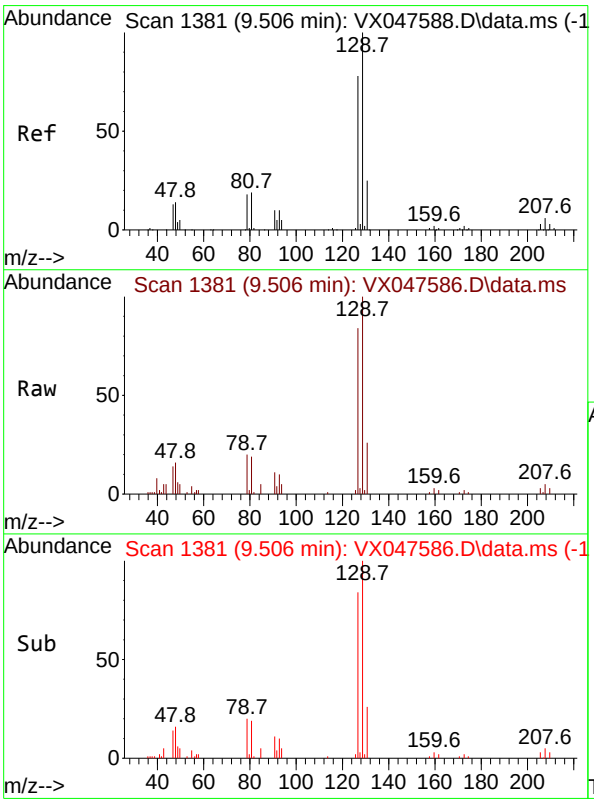
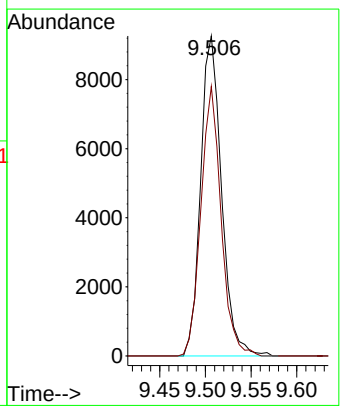


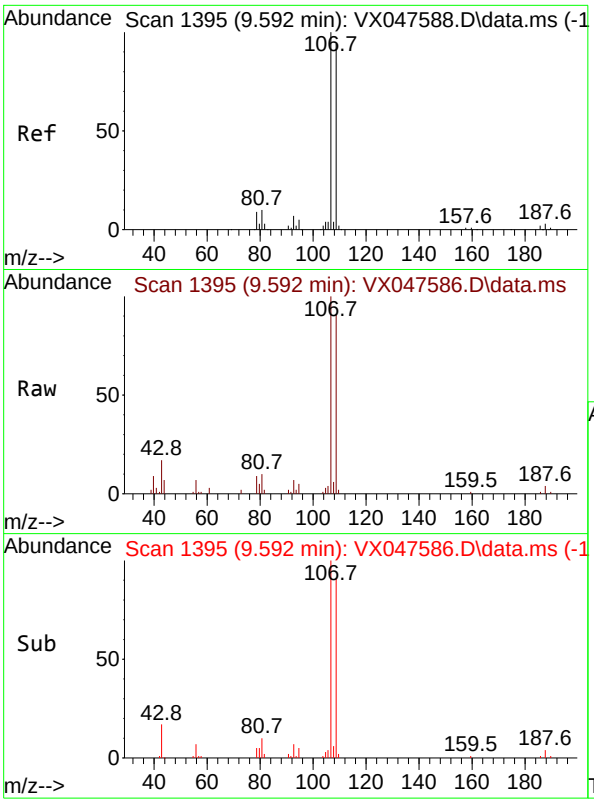




#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 81.4 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:107 Resp: 1346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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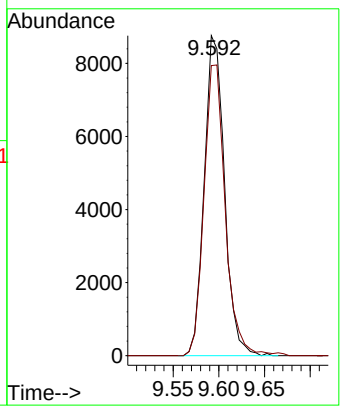
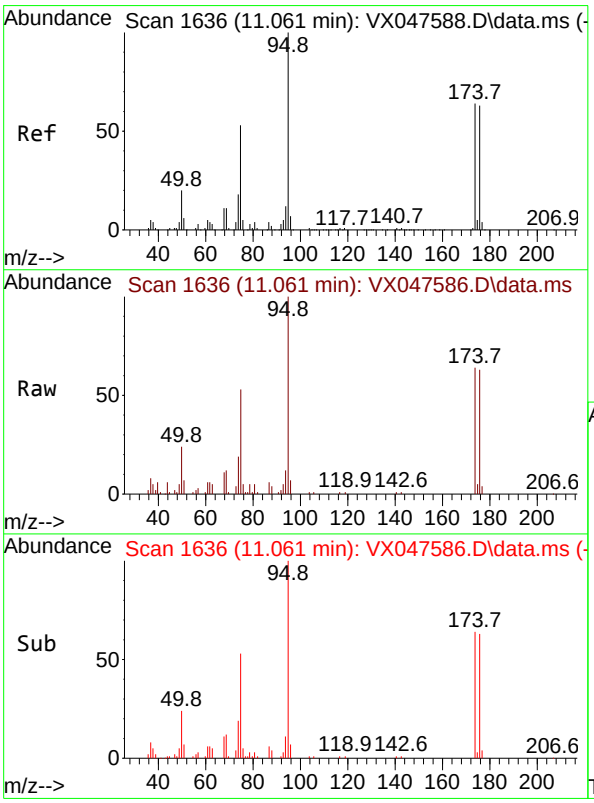
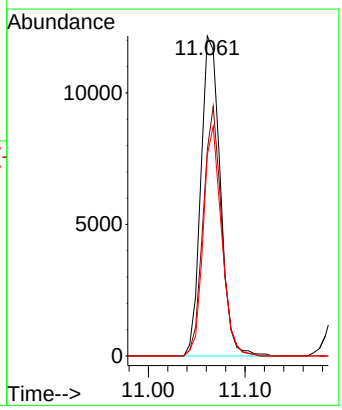


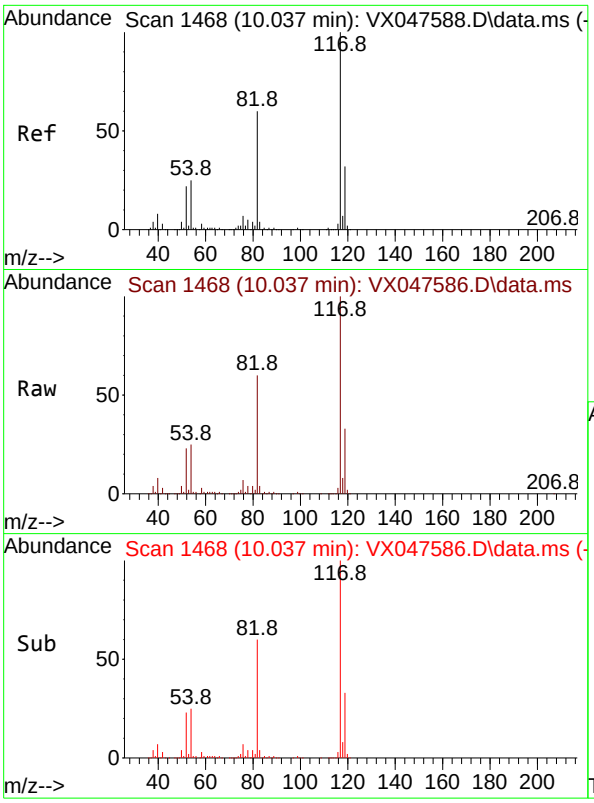




#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 141.6 |
| 176 | 67.9 | 0.0 | 138.4 |

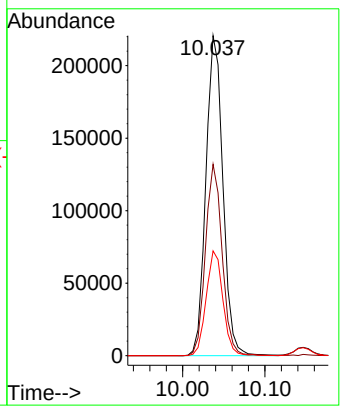





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 31728

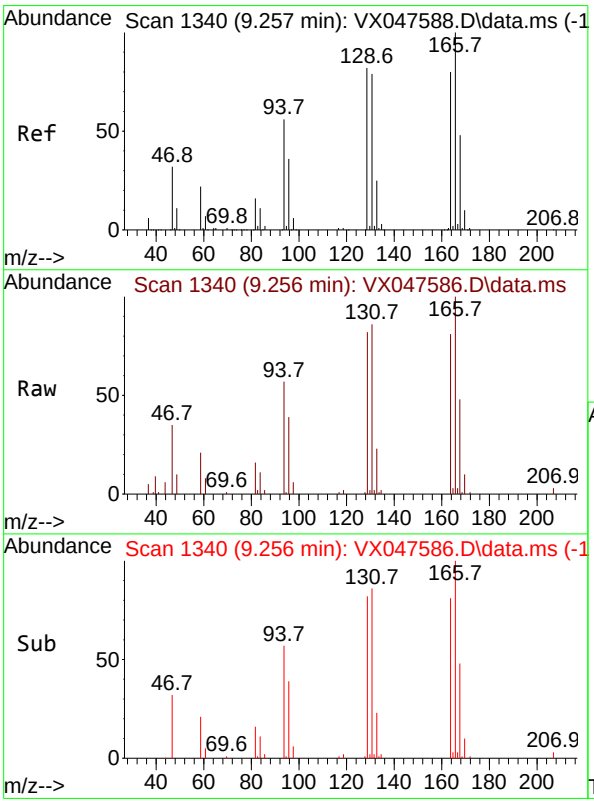
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 47.8 | 71.6 |
| 119 | 32.8 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

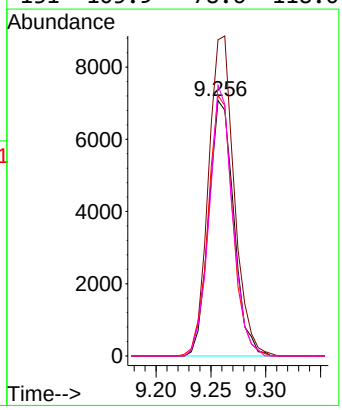
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

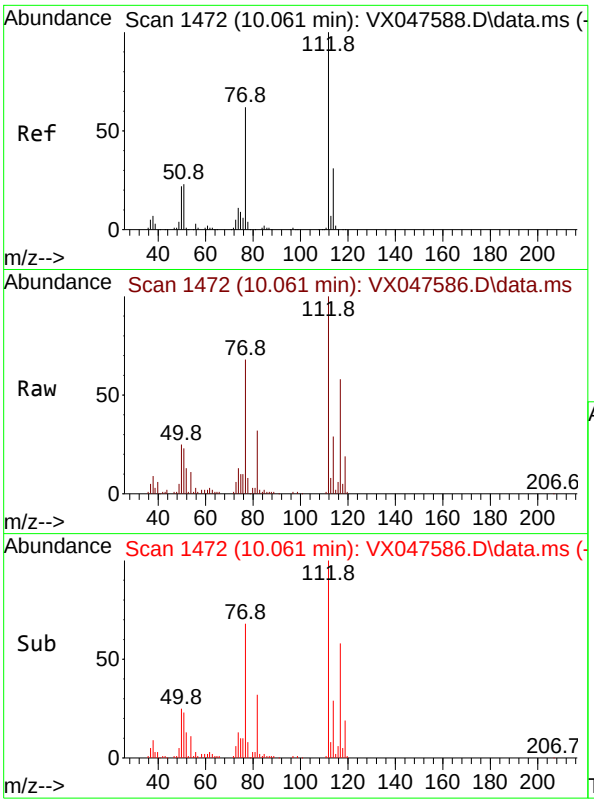



#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.8 | 100.2 | 150.2 |
| 129 | 102.0 | 81.8 | 122.6 |
| 131 | 105.9 | 78.6 | 118.0 |

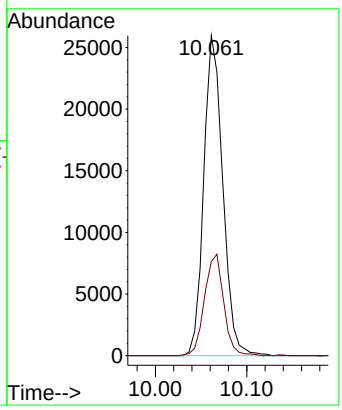





#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:112 Resp: 3750

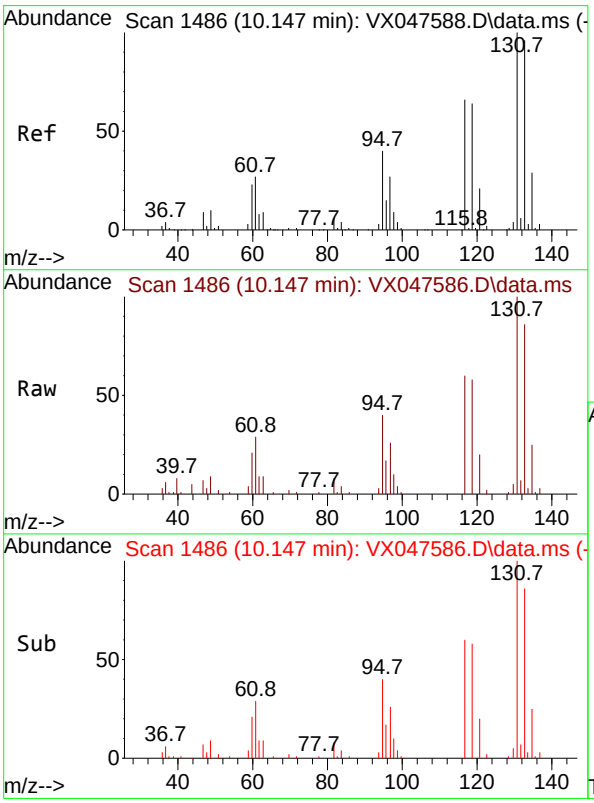
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.2 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

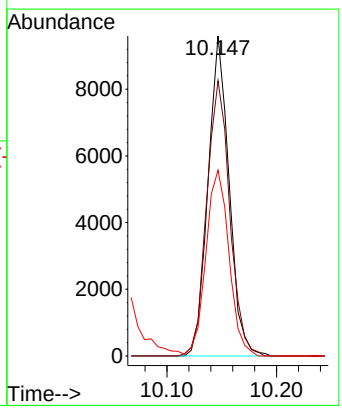
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

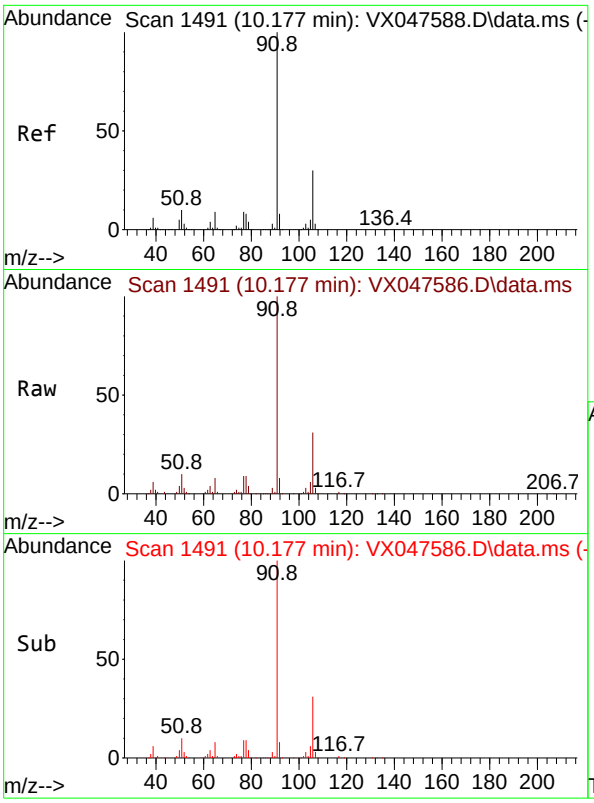



#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 142.0 |
| 119 | 63.5 | 32.0 | 96.0 |

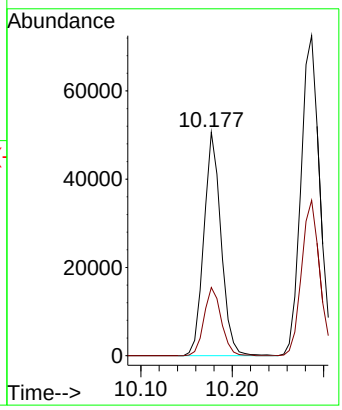





#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 6590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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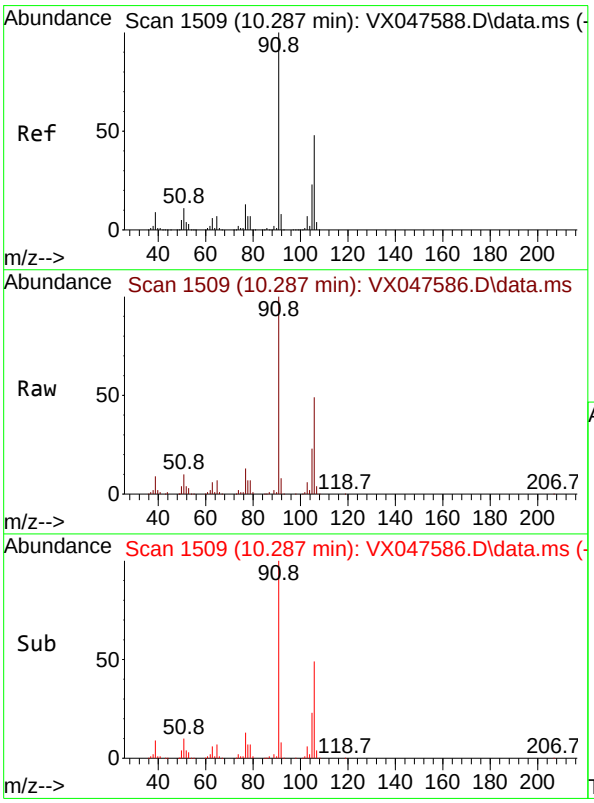
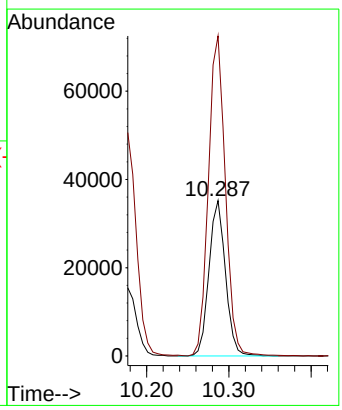
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

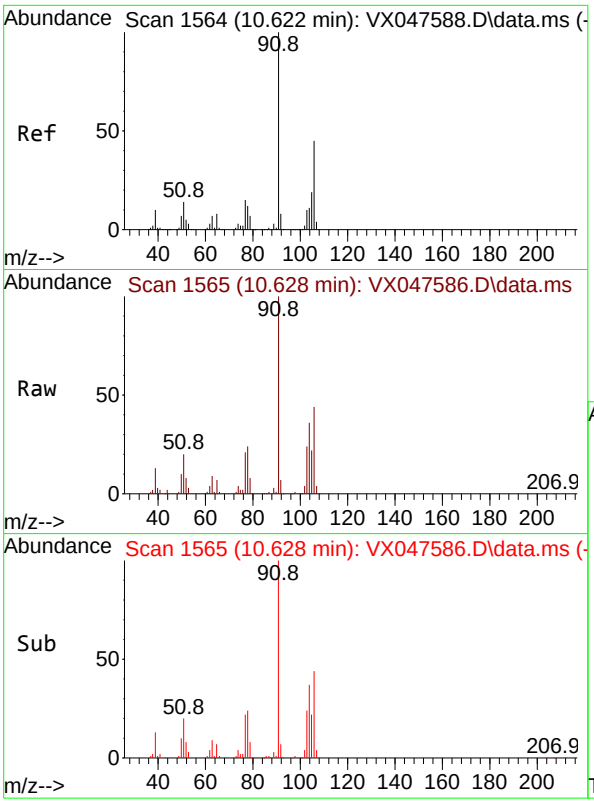



#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.6 | 167.8 | 251.8 |

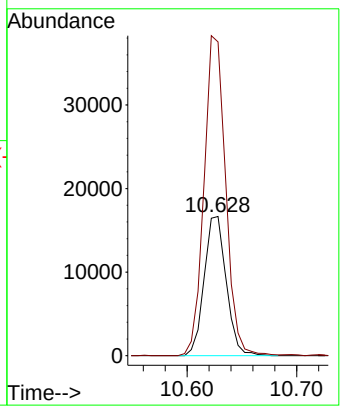





#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 2330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.3 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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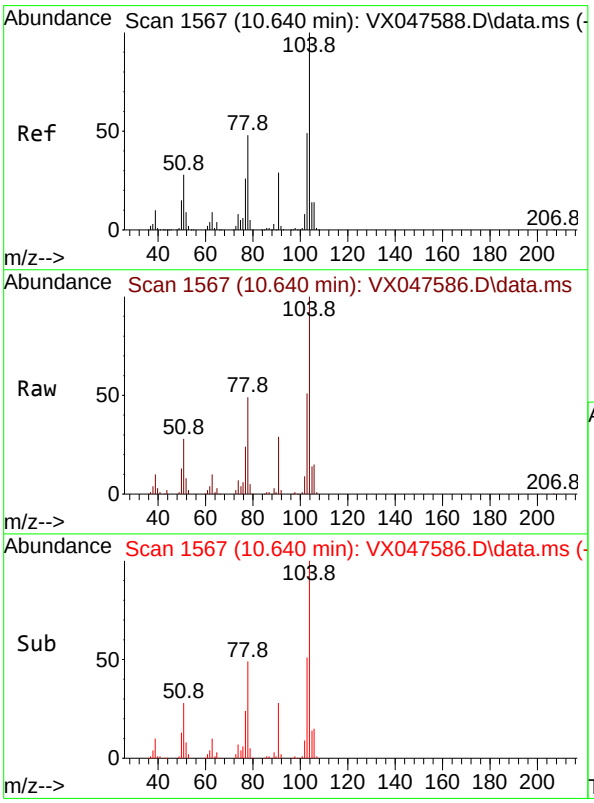
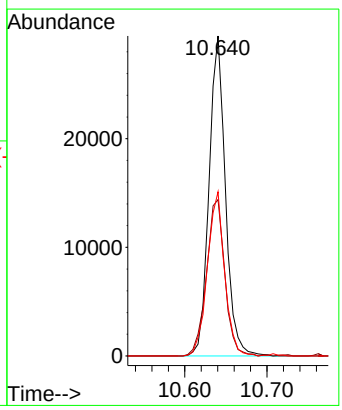
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

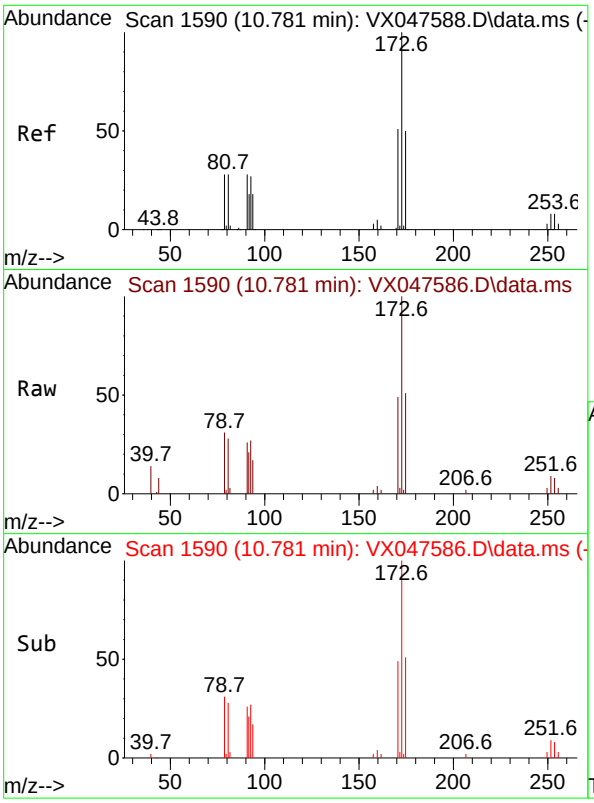



#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.8 | 43.1 | 64.7 |
| 103 | 53.7 | 43.1 | 64.7 |

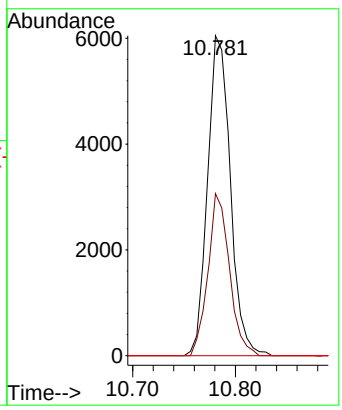





#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:173 Resp: 929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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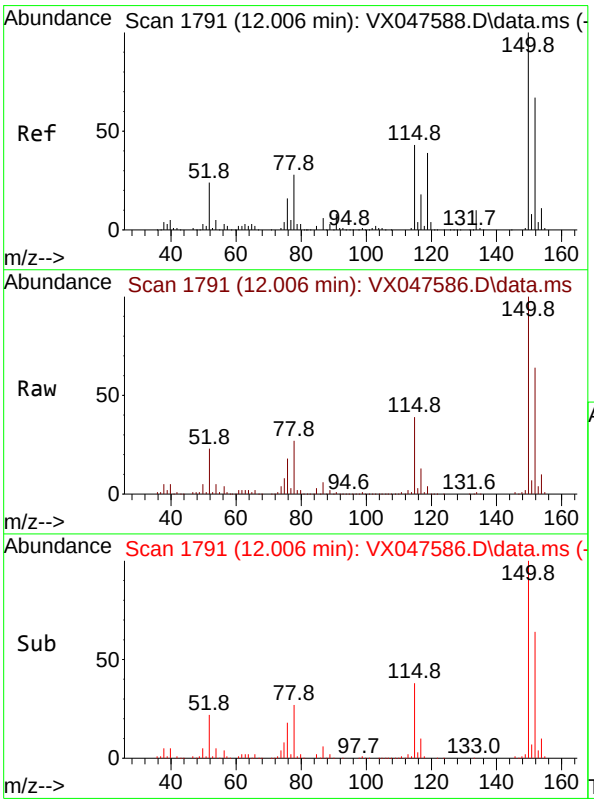
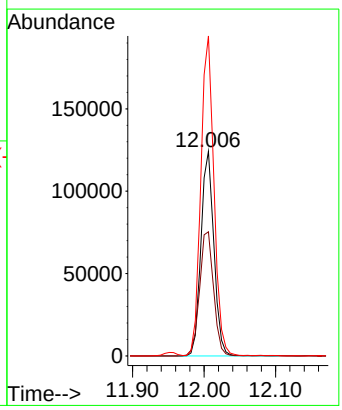
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

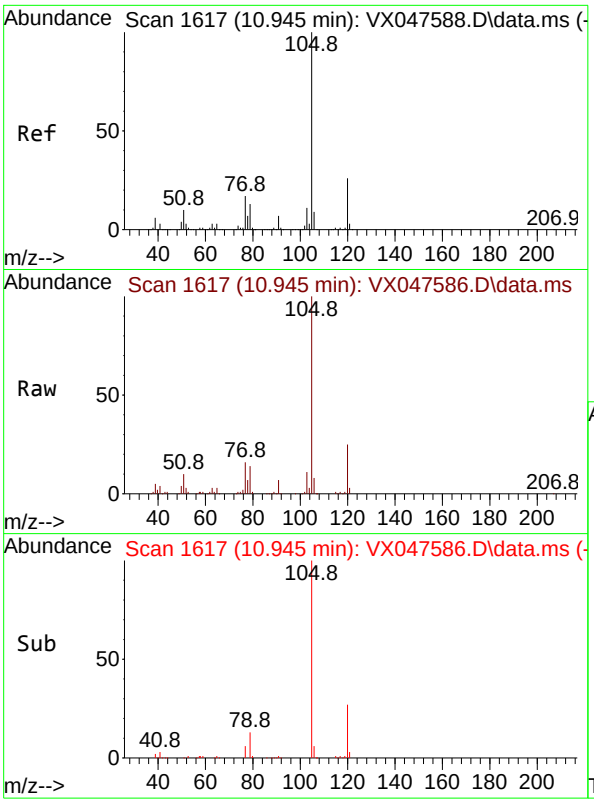



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.6 | 44.9 | 134.5 |
| 150 | 157.8 | 0.0 | 352.0 |

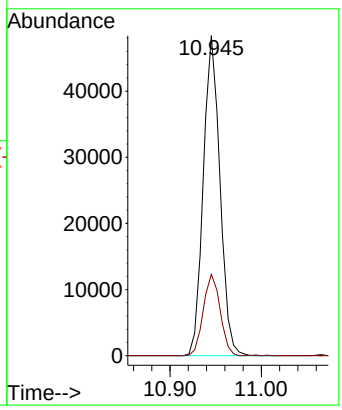





#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
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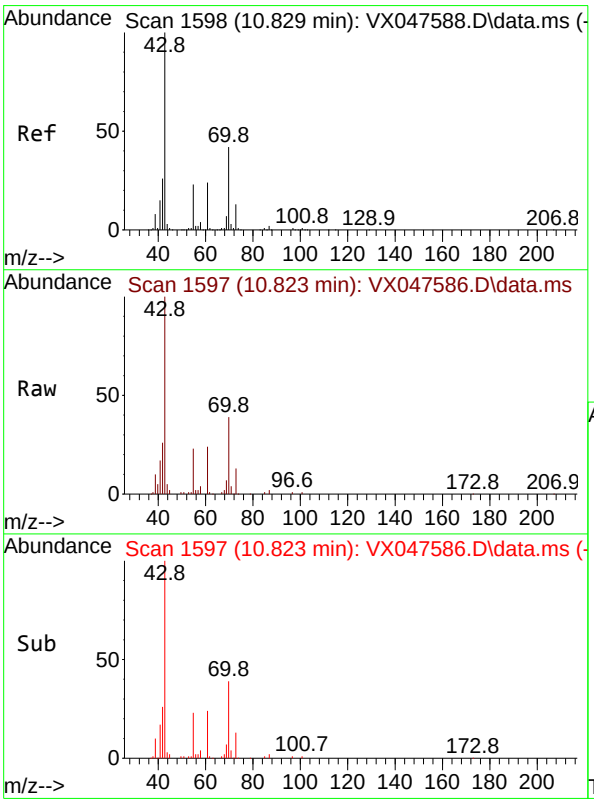
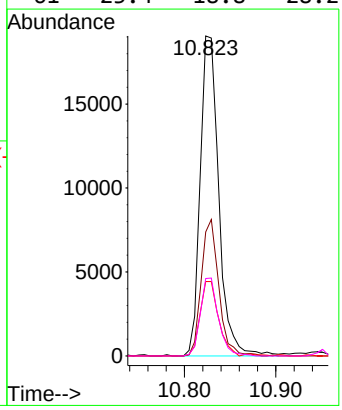
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

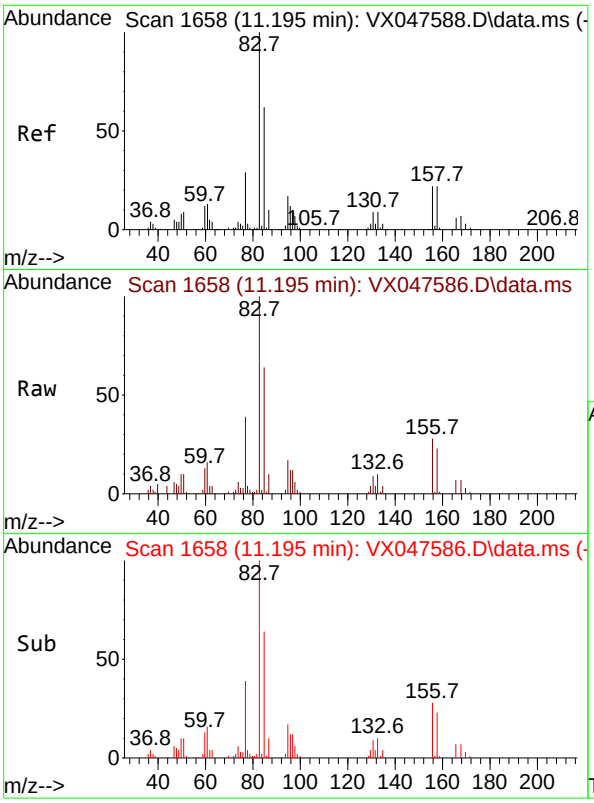



#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 32.0 | 48.0 |
| 55 | 23.1 | 18.9 | 28.3 |
| 61 | 23.4 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

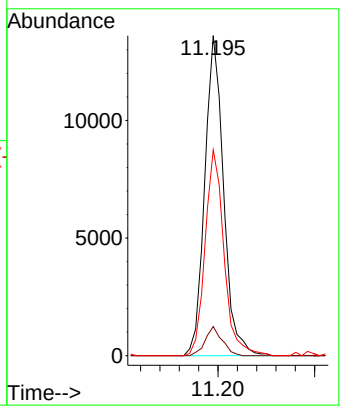
Tgt Ion: 83 Resp: 1846

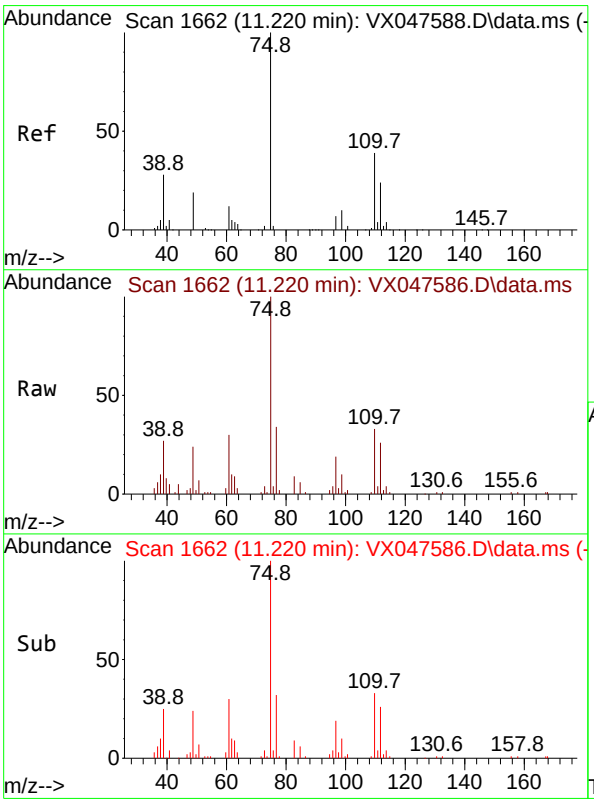
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.2 | 5.0 | 14.9 |
| 85 | 64.4 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

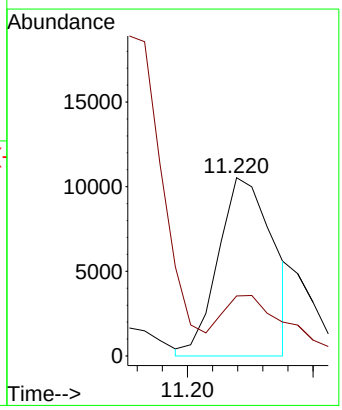


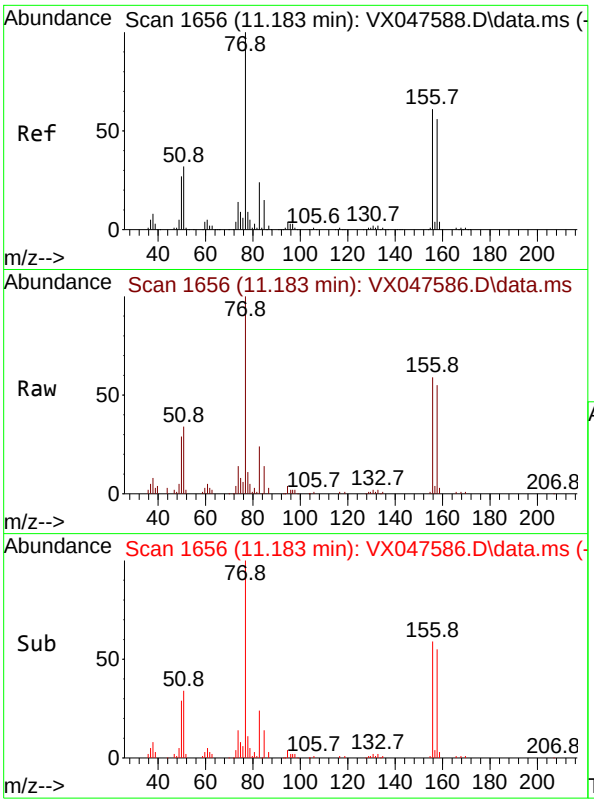




#76
1,2,3-Trichloropropane
Concen: 4.927 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 15982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 40.6 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:156 Resp: 1506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 180.3 | 89.7 | 269.1 |
| 158 | 92.6 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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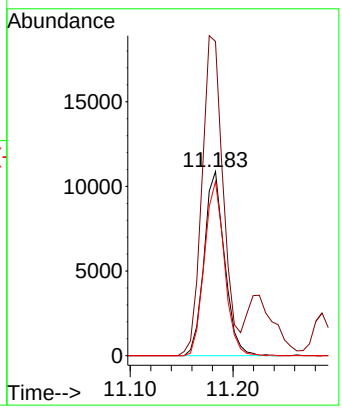
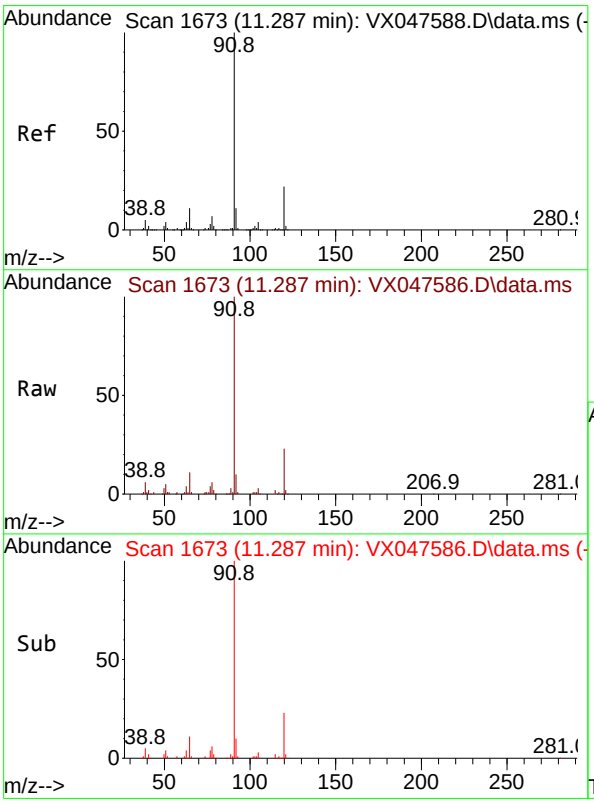
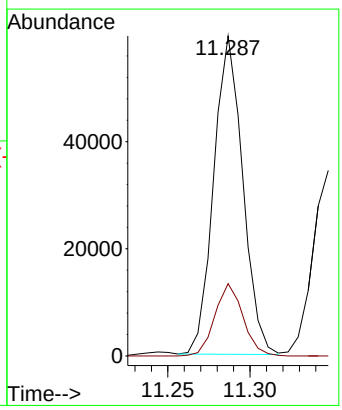


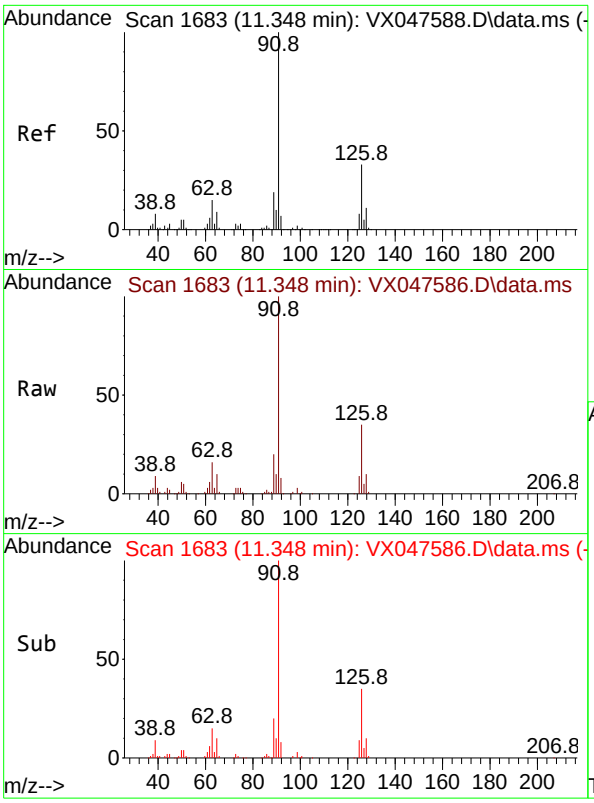




#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.1 | 33.1 |

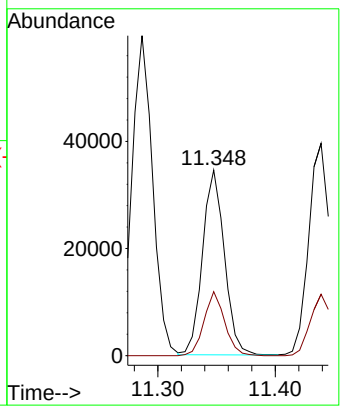





#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 4466

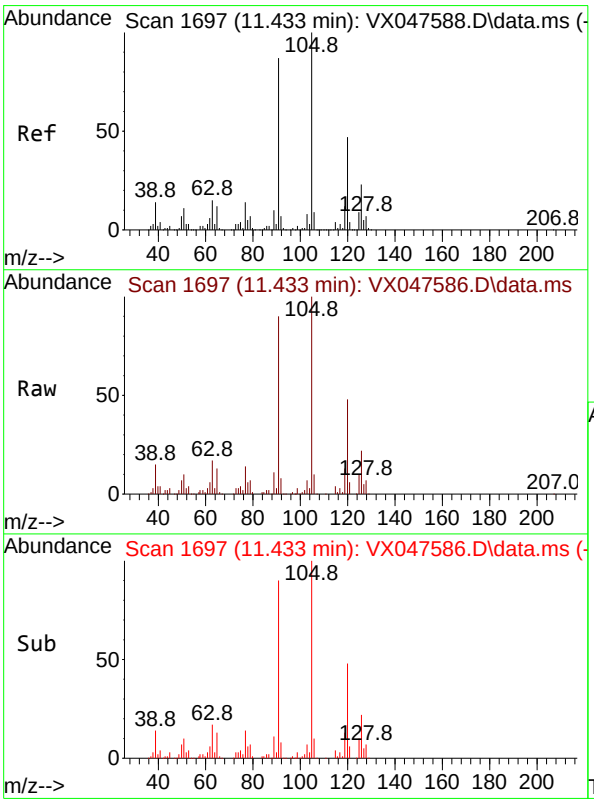
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

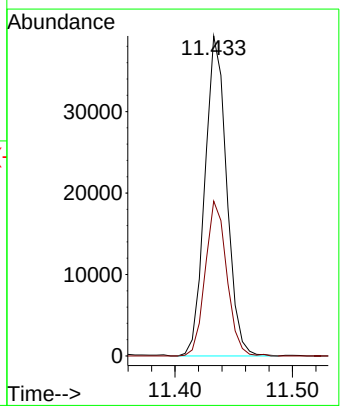
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

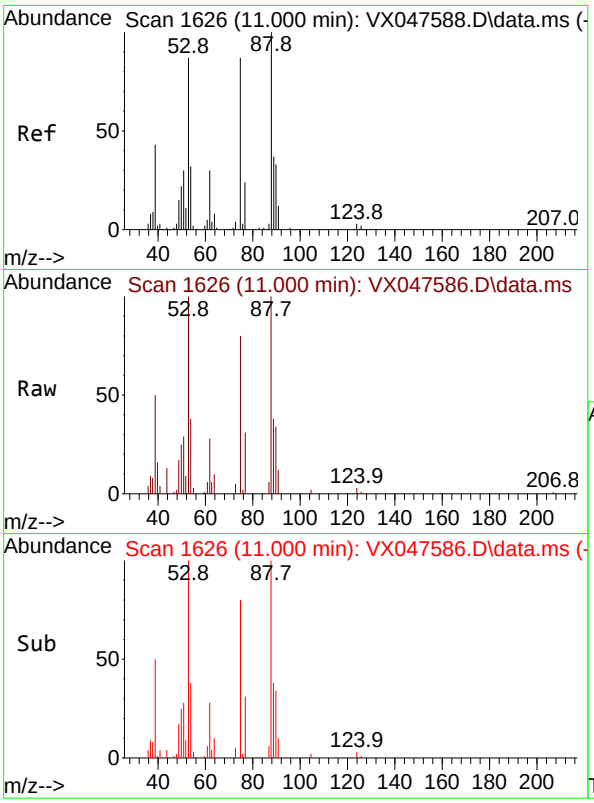



#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

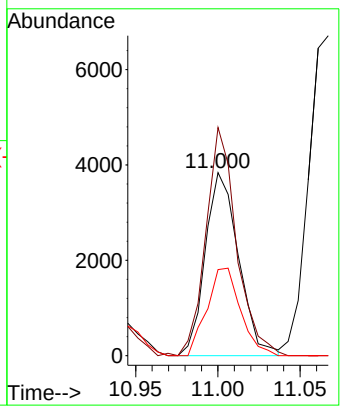
Tgt Ion: 75 Resp: 541

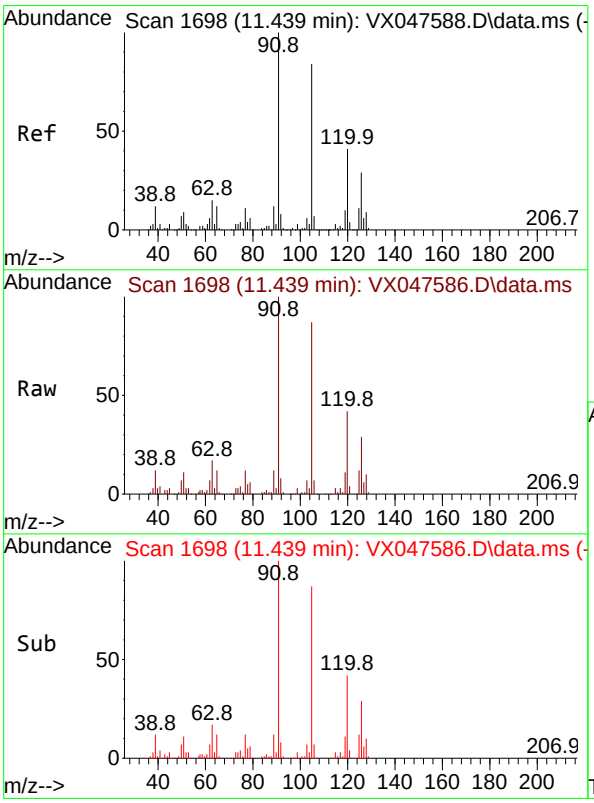
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.9 | 83.4 | 125.2 |
| 89 | 48.3 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

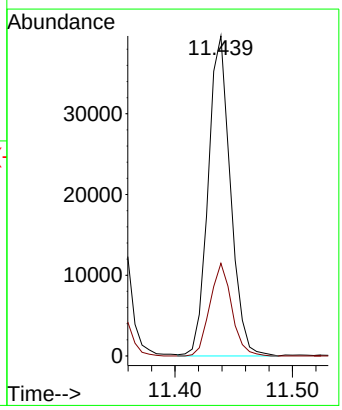


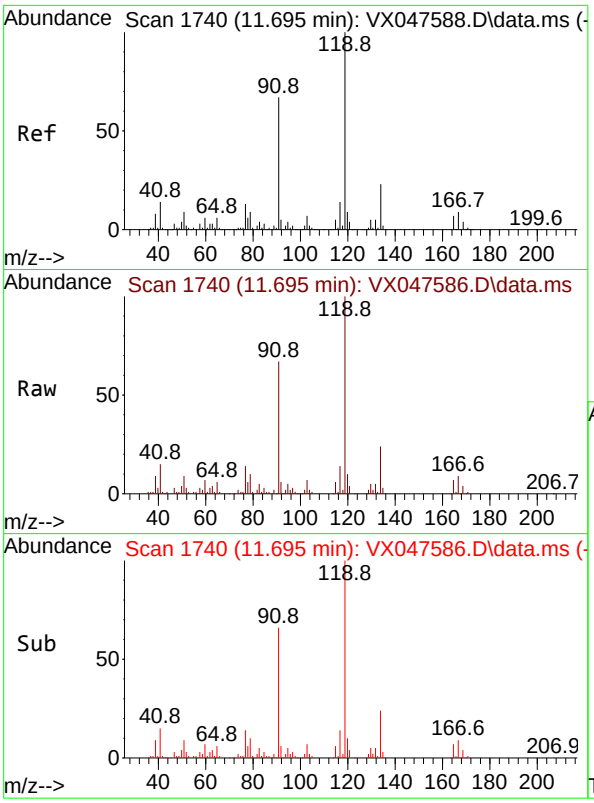




#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.3 | 14.2 | 42.6 |

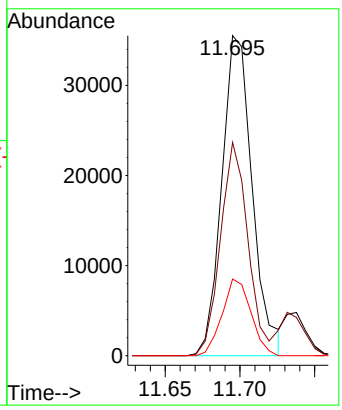





#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 5035

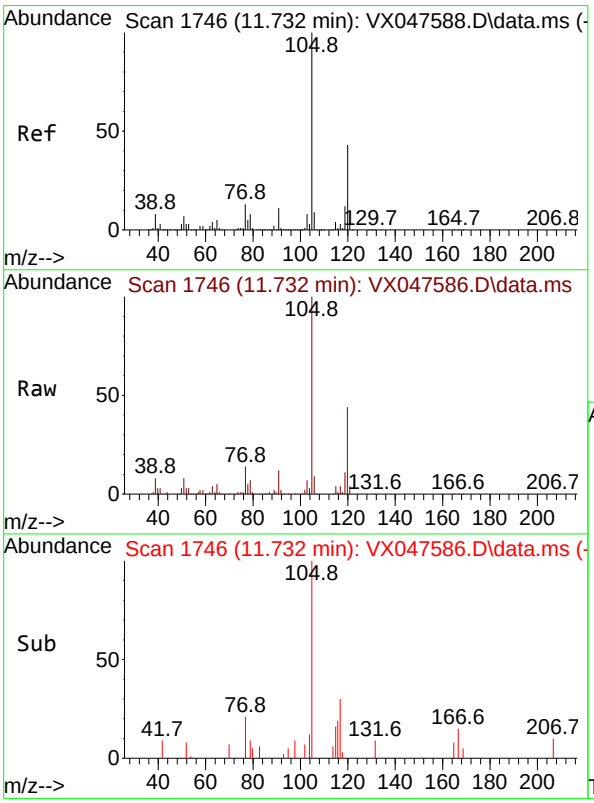
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 29.6 | 88.8 |
| 134 | 22.7 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

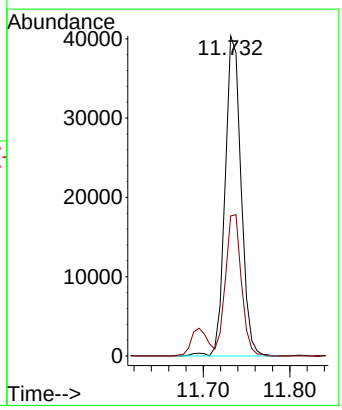
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

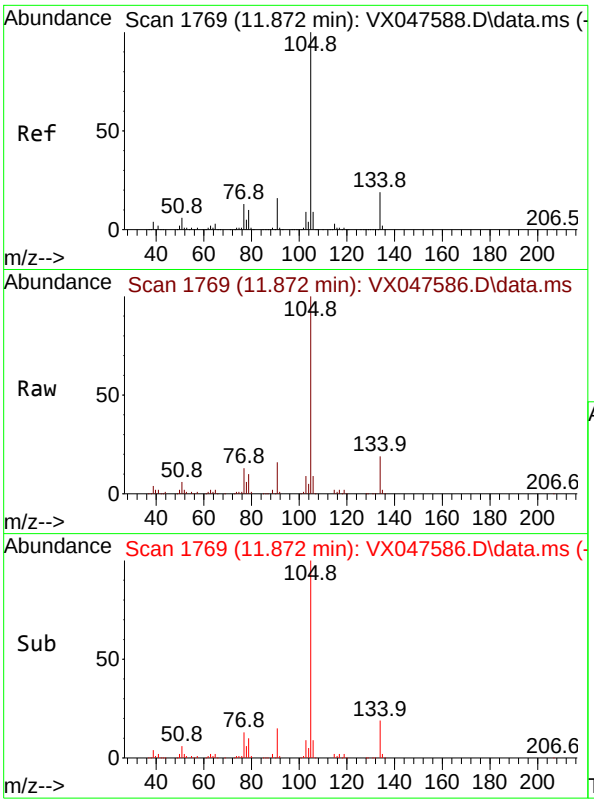



#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |

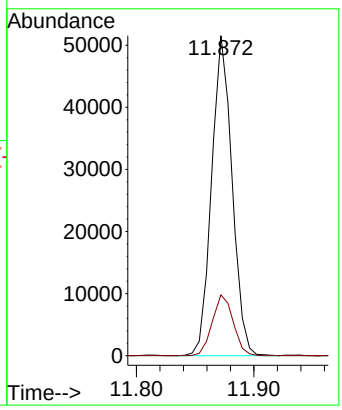





#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 6250

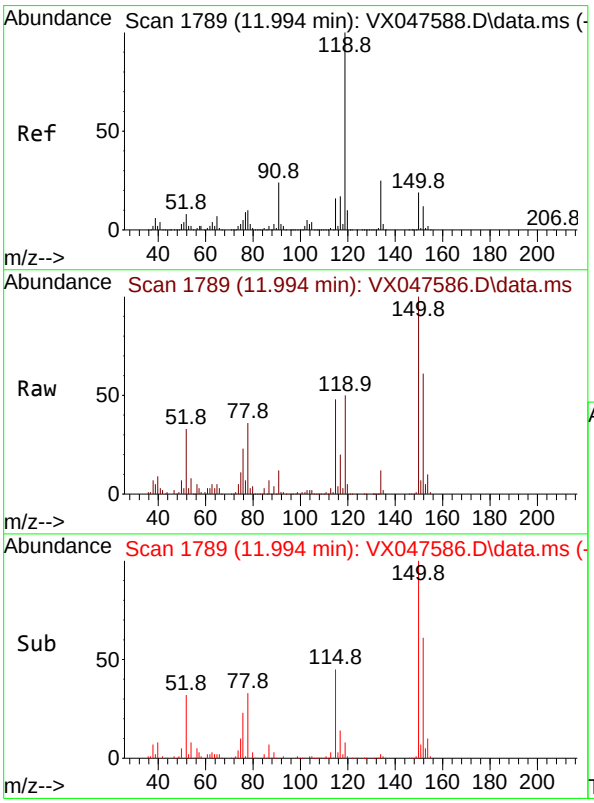
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

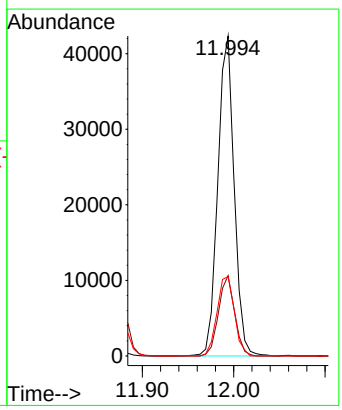
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

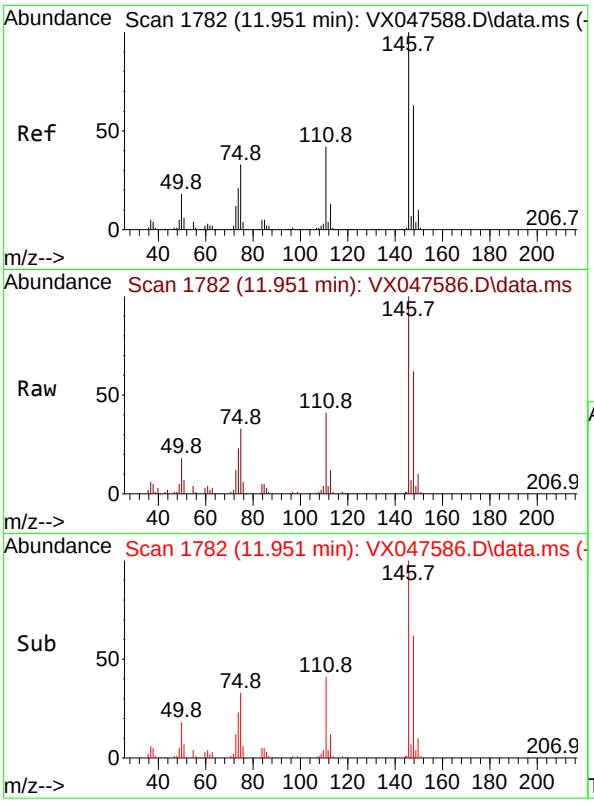



#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.7 | 12.6 | 37.8 |
| 91 | 26.2 | 12.6 | 37.6 |

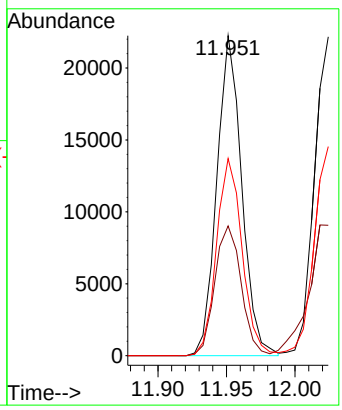





#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2811

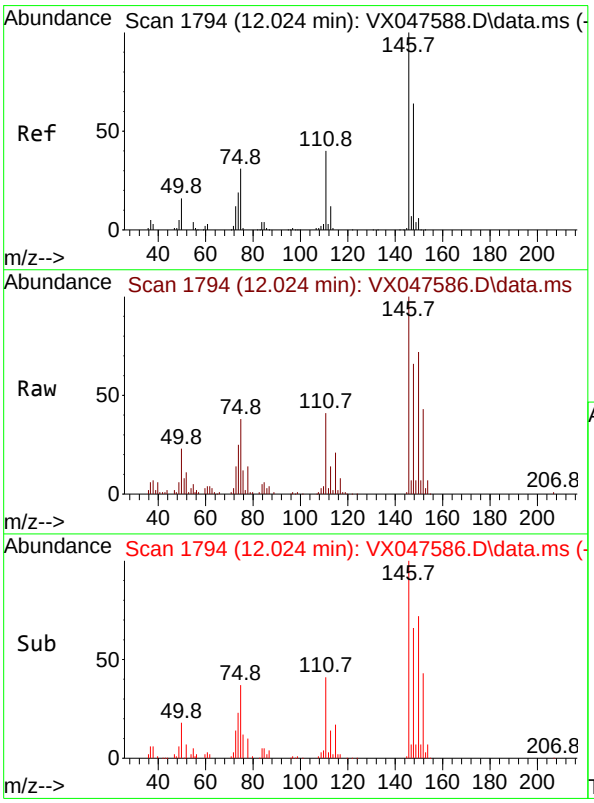
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.5 | 64.5 |
| 148 | 63.4 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

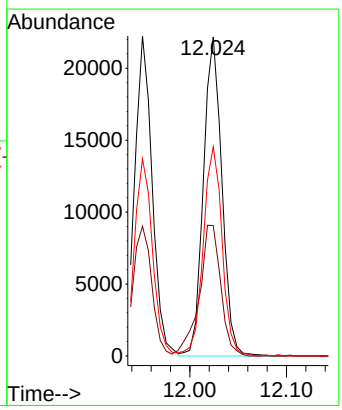
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

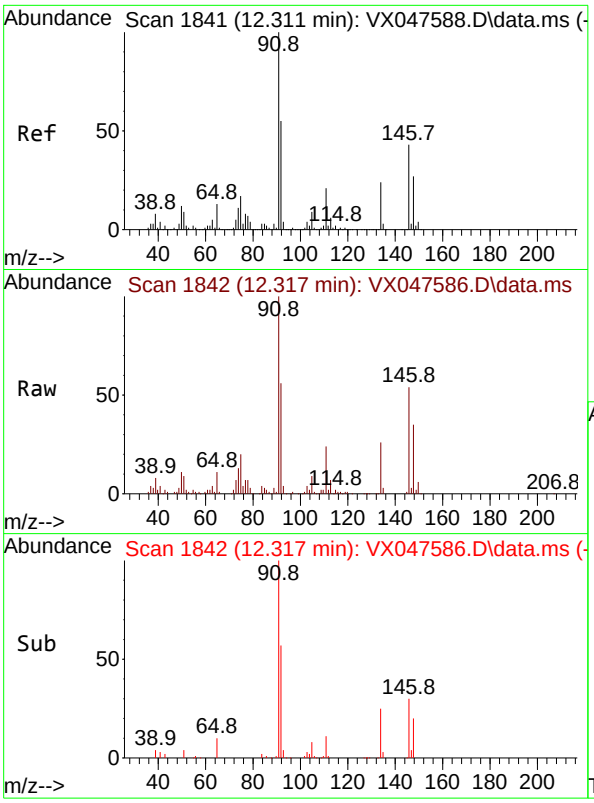



#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.8 | 20.8 | 62.4 |
| 148 | 66.9 | 31.7 | 95.1 |






#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

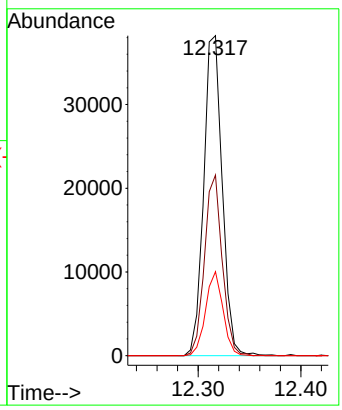
Tgt Ion: 91 Resp: 4795

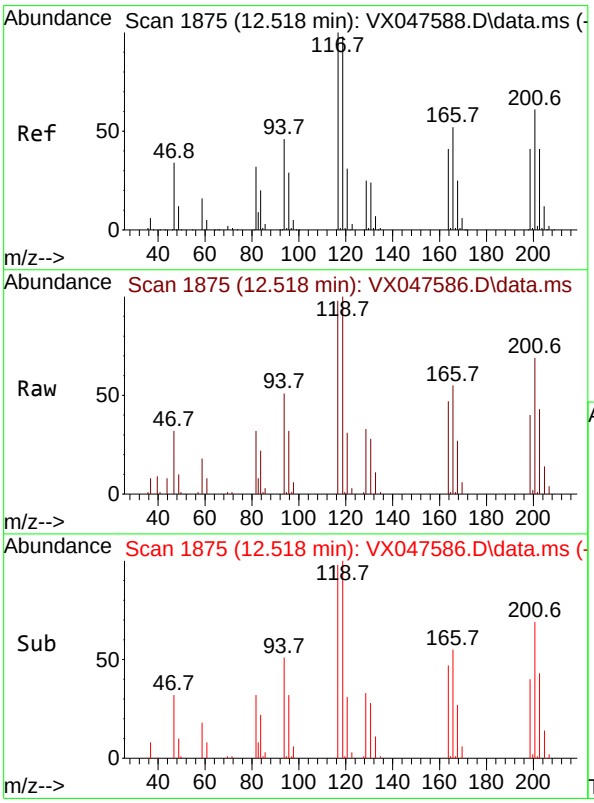
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.1 | 27.6 | 82.7 |
| 134 | 24.6 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

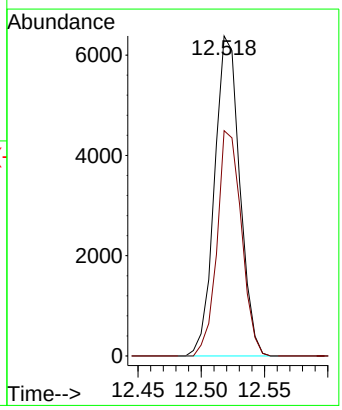


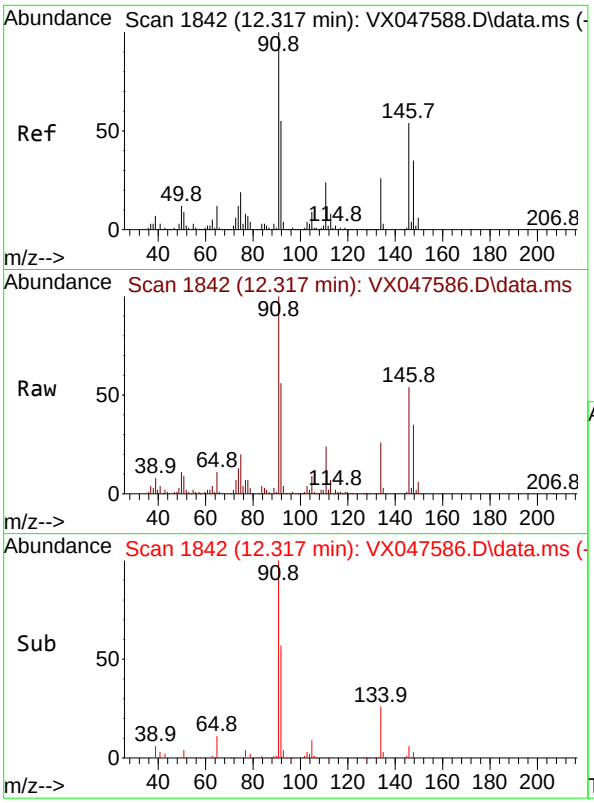




#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.9 | 34.2 | 102.5 |

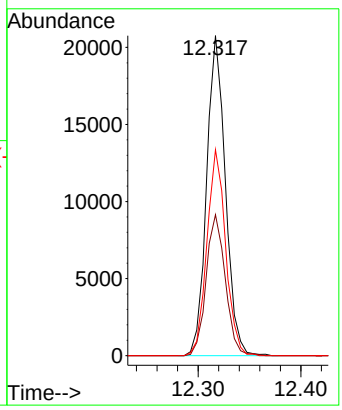





#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 2640

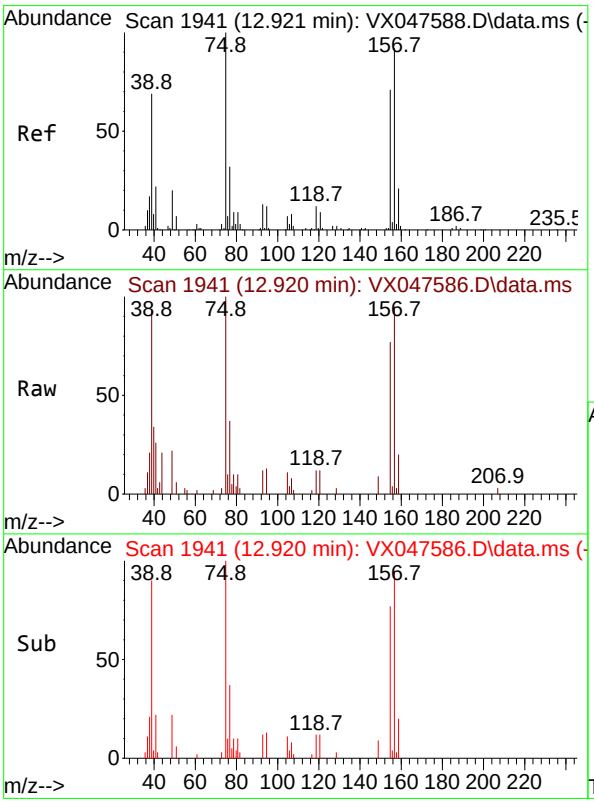
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 22.2 | 66.6 |
| 148 | 64.2 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

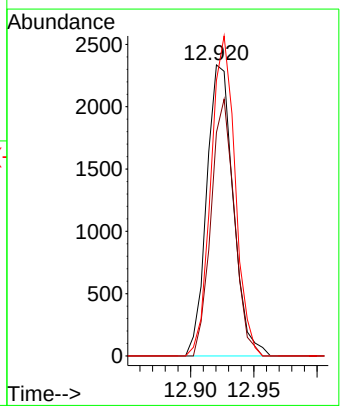
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

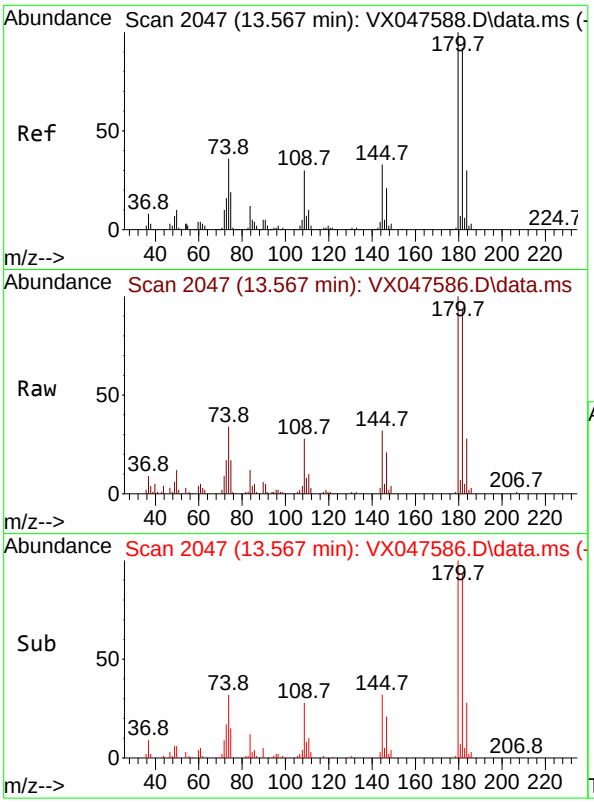



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.4 | 37.7 | 113.1 |
| 157 | 100.1 | 49.8 | 149.4 |






#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

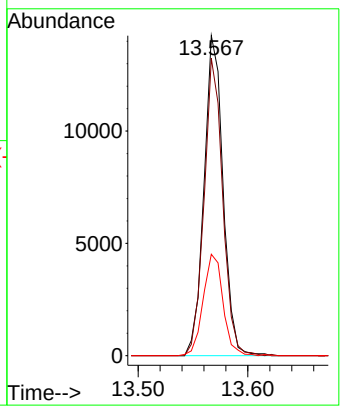
Tgt Ion:180 Resp: 1716

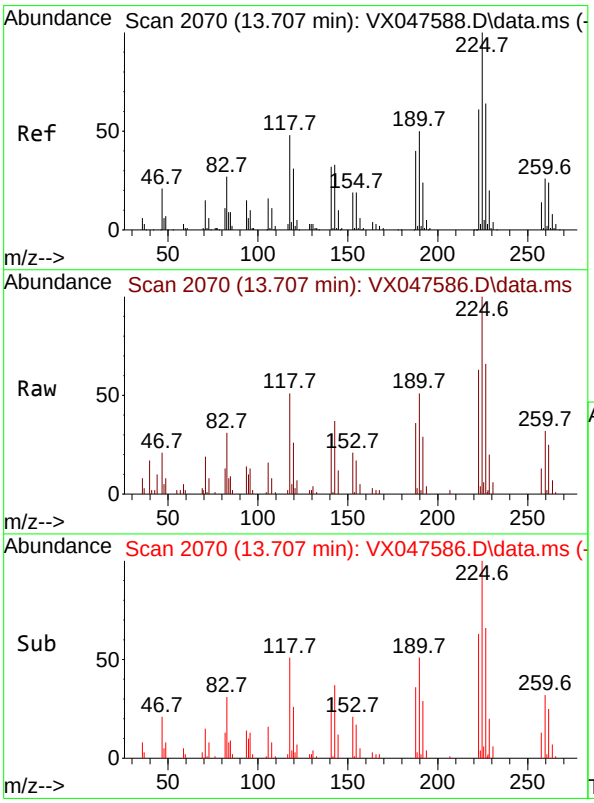
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 46.6 | 139.8 |
| 145 | 33.2 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

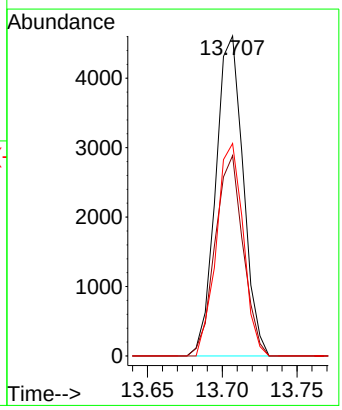


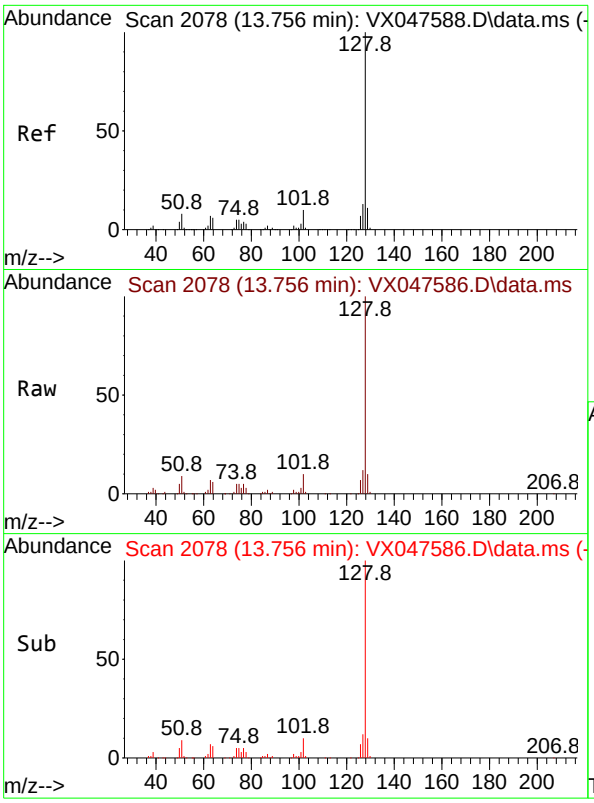




#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.7 | 95.1 |
| 227 | 64.7 | 32.0 | 96.0 |

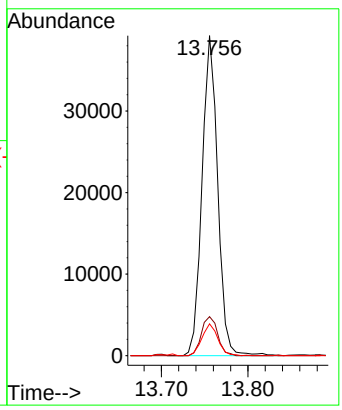





#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:128 Resp: 4925

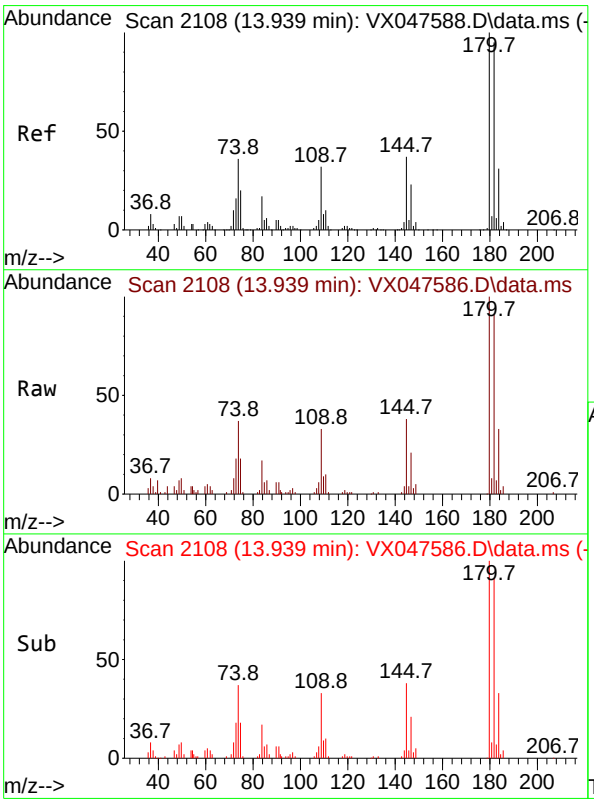
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.1 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

**Manual Integrations**
**APPROVED**

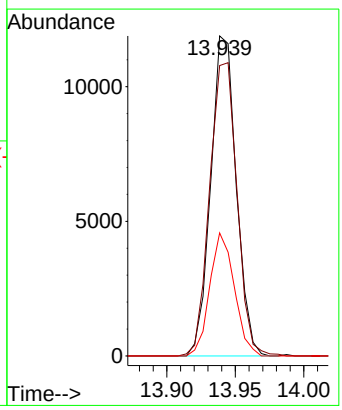
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.0 | 47.6 | 142.8 |
| 145 | 37.1 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 189559 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 336287 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 298629 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 141590 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 49073 | 16.264 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 32.520%# | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 35788 | 15.868 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 31.740%# | | |
| 50) Toluene-d8 | 8.634 | 98 | 126875 | 16.258 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 32.520%# | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 48454 | 16.360 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 32.720%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 44126 | 22.480 | ug/l | 100 |
| 3) Chloromethane | 1.300 | 50 | 56023 | 21.716 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 54256 | 21.485 | ug/l | 96 |
| 5) Bromomethane | 1.617 | 94 | 34193 | 21.353 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 35551 | 21.063 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 78667 | 20.980 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 31335 | 20.429 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 45733 | 20.859 | ug/l | 98 |
| 10) Methyl Iodide | 2.459 | 142 | 69935 | 20.452 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.946 | 59 | 32456 | 96.582 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 46863 | 20.808 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 26159 | 84.473 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 94710 | 20.379 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 130143 | 104.554 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 151538 | 115.507 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 133296 | 21.620 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 54120 | 18.536 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 168426 | 20.486 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 57153 | 20.581 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 50413 | 20.791 | ug/l | 94 |
| 22) Diisopropyl ether | 3.757 | 45 | 188598 | 20.940 | ug/l | 96 |
| 23) Vinyl Acetate | 3.715 | 43 | 765675 | 106.218 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 98509 | 20.578 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 179487 | 109.679 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 81413 | 20.459 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 60865 | 20.497 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 34085 | 16.309 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.995 | 42 | 102935 | 104.560 | ug/l | 97 |
| 30) Chloroform | 5.080 | 83 | 103586 | 21.413 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 82770 | 20.759 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 86500 | 21.081 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 68395 | 20.754 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 74499 | 21.113 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 74636 | 20.844 | ug/l | 95 |
| 39) Methylcyclohexane | 7.366 | 83 | 79499 | 21.251 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 210711 | 21.051 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 38525 | 21.148 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 80646 | 21.175 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 119623 | 20.670 | ug/l | | 100 |
| 44) Trichloroethene | 7.110 | 130 | 51369 | 21.228 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 53046 | 20.697 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 38910 | 20.862 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.805 | 83 | 80831 | 21.002 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.677 | 41 | 60182 | 20.877 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 12047 | 413.530 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 338370 | 105.456 | ug/l | | 100 |
| 52) Toluene | 8.708 | 92 | 129193 | 20.950 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 80972 | 20.625 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 86648 | 20.650 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.140 | 97 | 49857 | 20.967 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 79011 | 21.158 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 85511 | 20.934 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 141395 | 86.617 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 250007 | 108.488 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 57994 | 21.167 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 51614 | 21.310 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.262 | 164 | 40840 | 20.979 | ug/l | | 95 |
| 65) Chlorobenzene | 10.061 | 112 | 140642 | 20.731 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 48022 | 20.513 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 244737 | 20.907 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 182778 | 41.951 | ug/l | | 100 |
| 69) o-Xylene | 10.628 | 106 | 87651 | 20.799 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 154077 | 20.866 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 35922 | 20.550 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 225730 | 20.970 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 104823 | 21.354 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 68132 | 20.920 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 60797m | 20.680 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 56161 | 21.183 | ug/l | | 99 |
| 78) n-propylbenzene | 11.286 | 91 | 268399 | 21.092 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 166237 | 21.329 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 187513 | 21.202 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 21553 | 19.173 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 193122 | 20.980 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 189484 | 20.929 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 191477 | 21.355 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.872 | 105 | 223434 | 20.777 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 190931 | 20.972 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 103584 | 21.035 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 105819 | 20.937 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 176373 | 20.937 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 32526 | 20.349 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 99493 | 21.207 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 13729 | 20.821 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 62722 | 20.571 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 20456 | 19.751 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 193134 | 20.801 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 58409 | 20.593 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

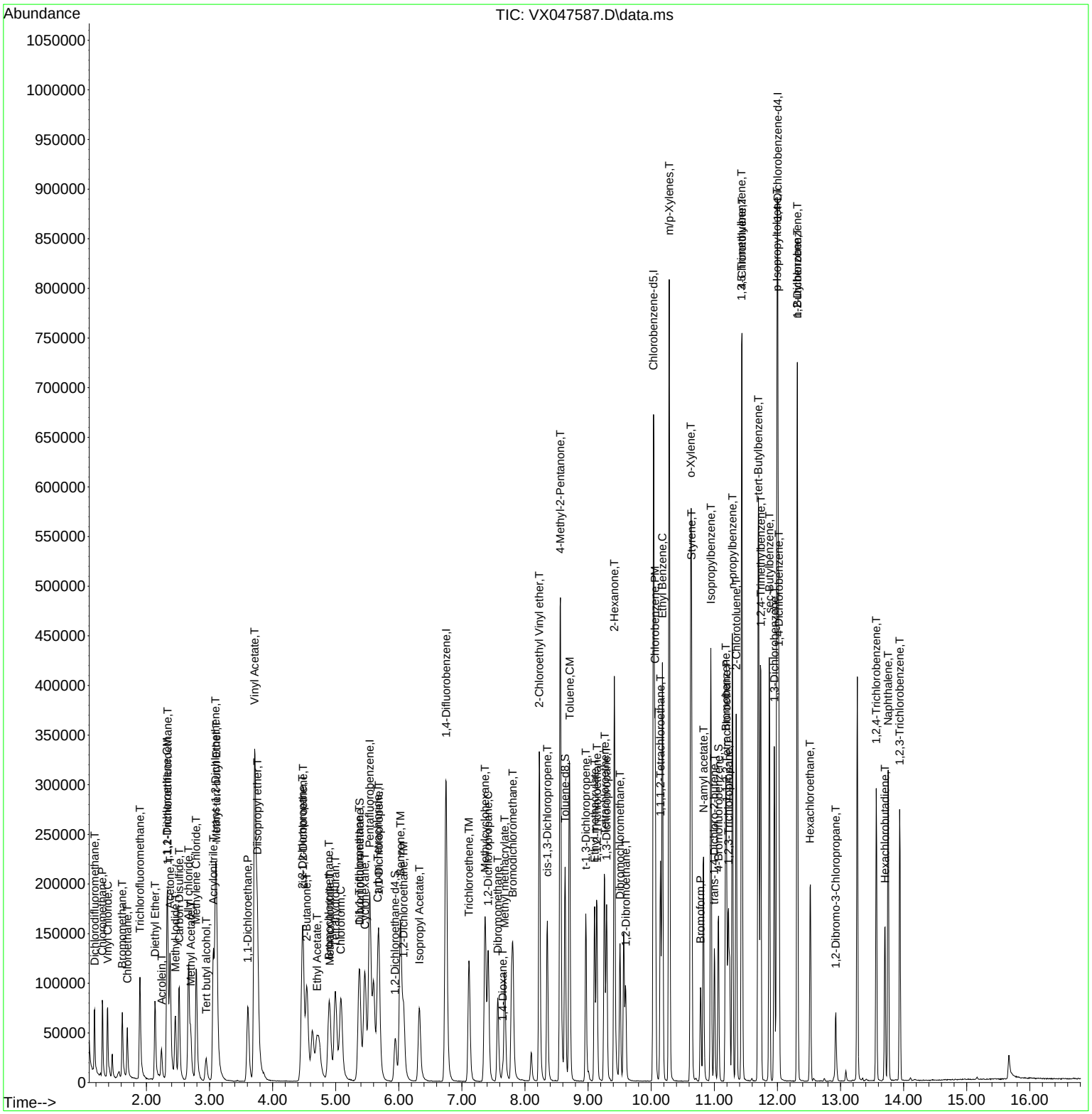
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

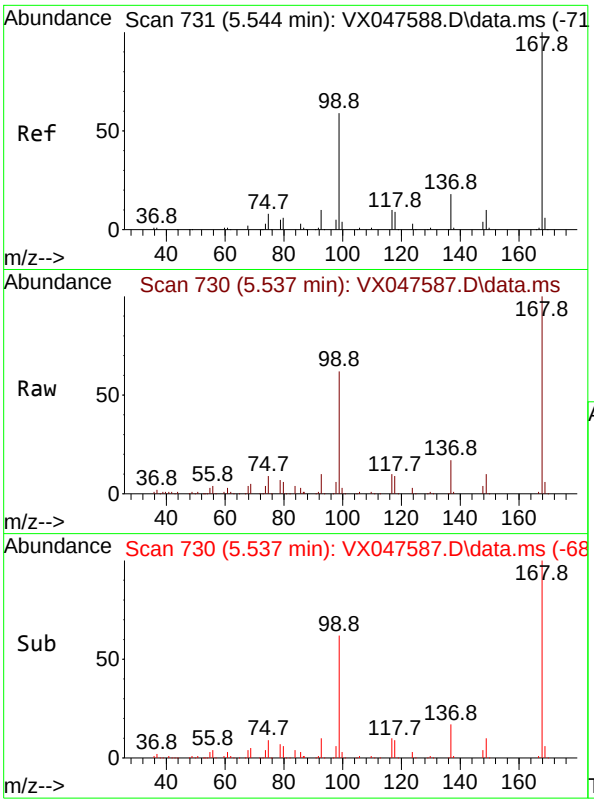
Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

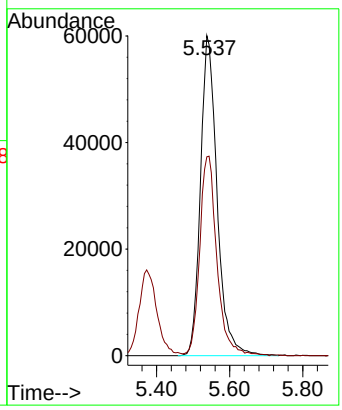





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:168 Resp: 18955

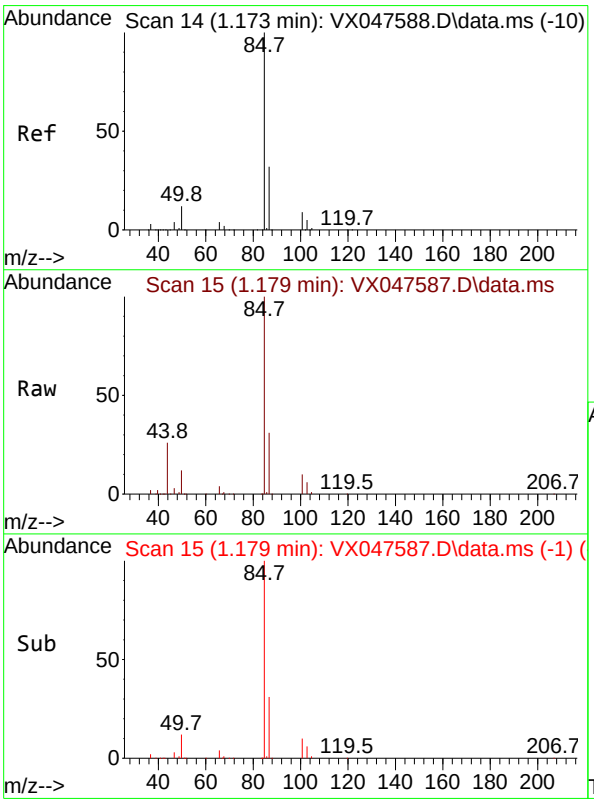
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.9 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

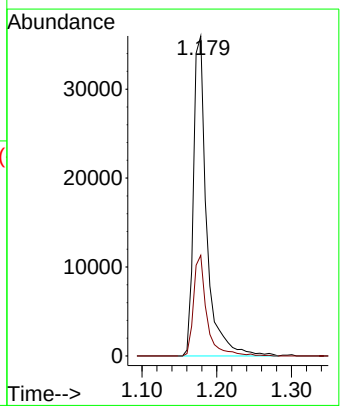
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

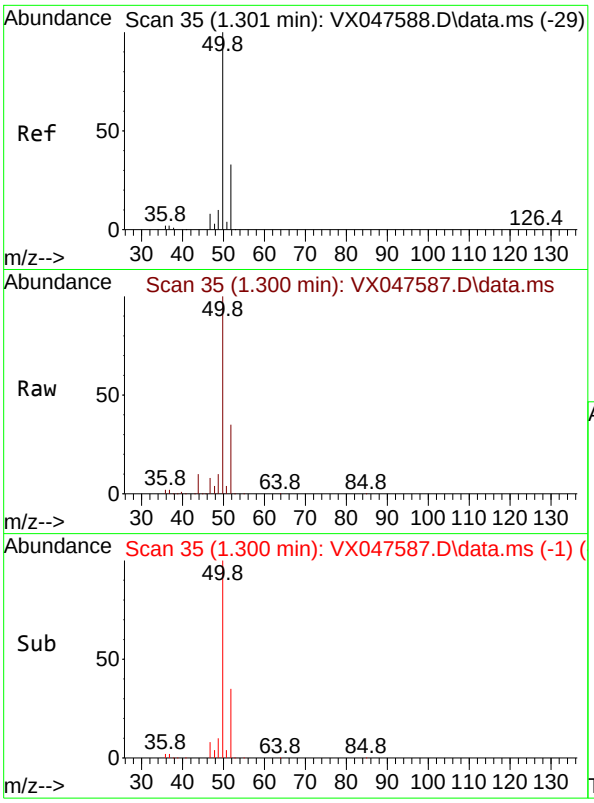



#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.8 | 47.3 |

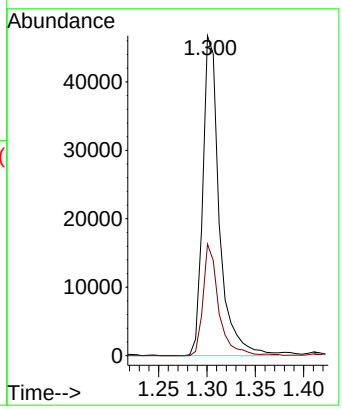





#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 50 Resp: 5602

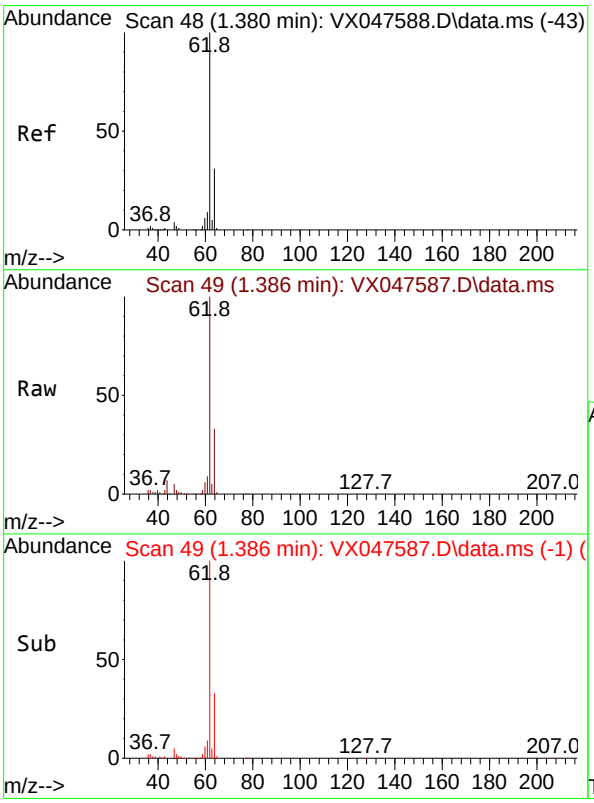
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

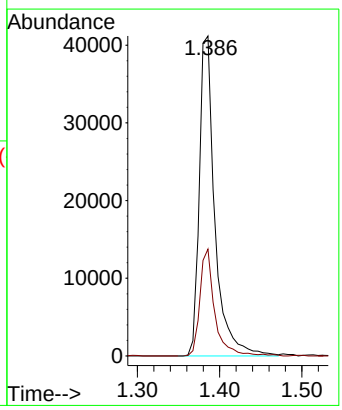
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

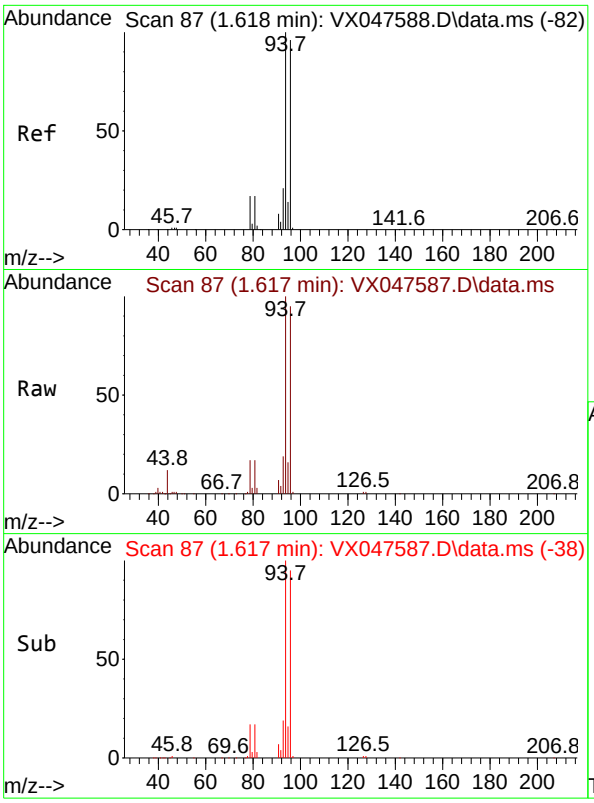



#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.4 | 24.9 | 37.3 |

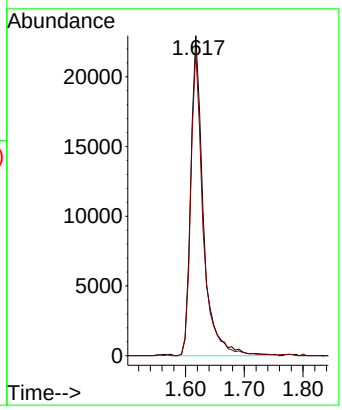





#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 94 Resp: 3419

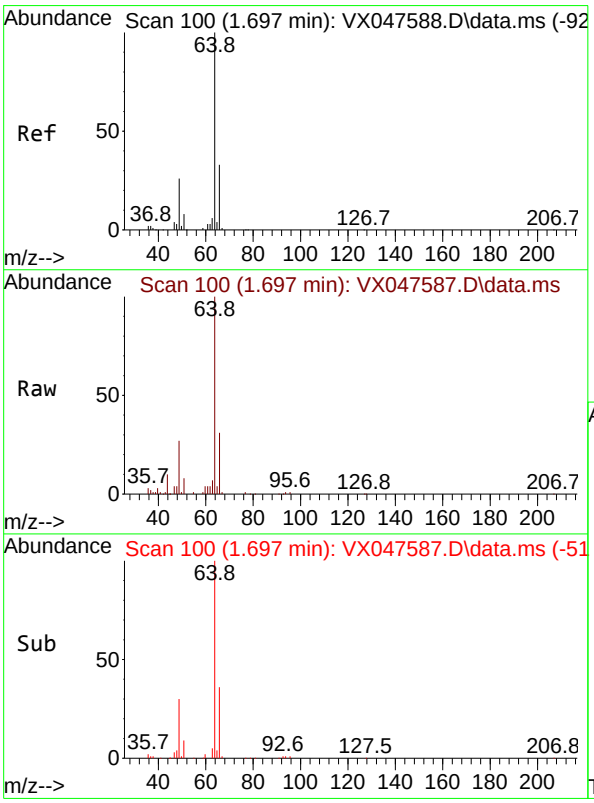
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

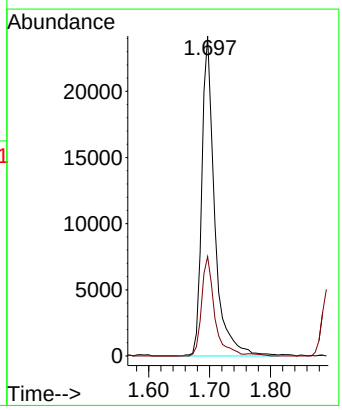
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

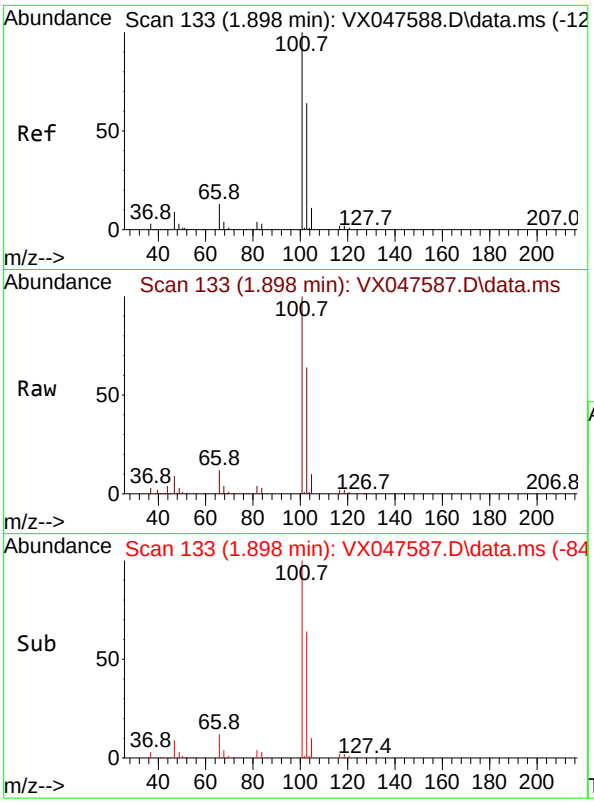



#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.0 | 26.1 | 39.1 |

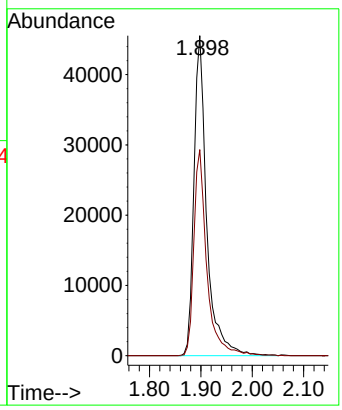





#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 7866

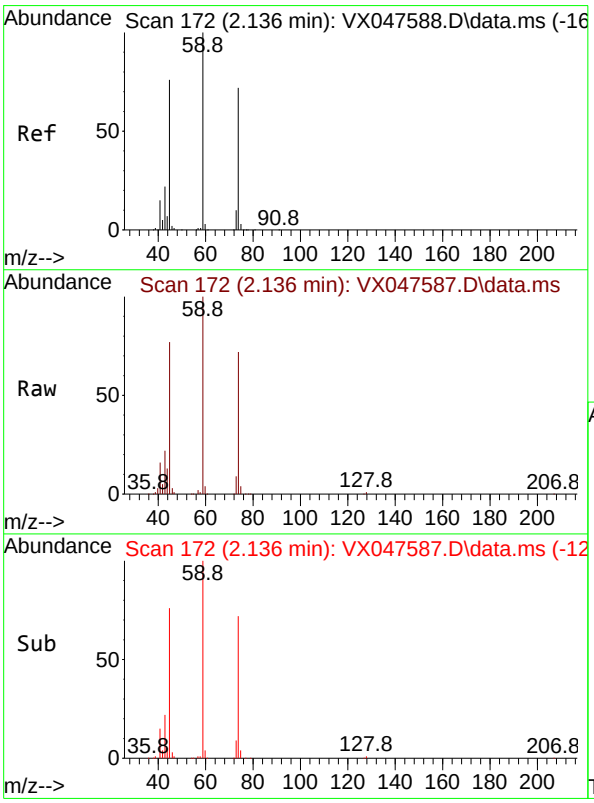
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

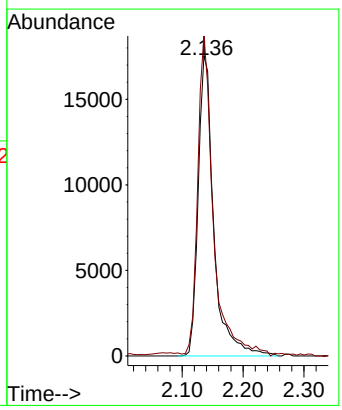
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

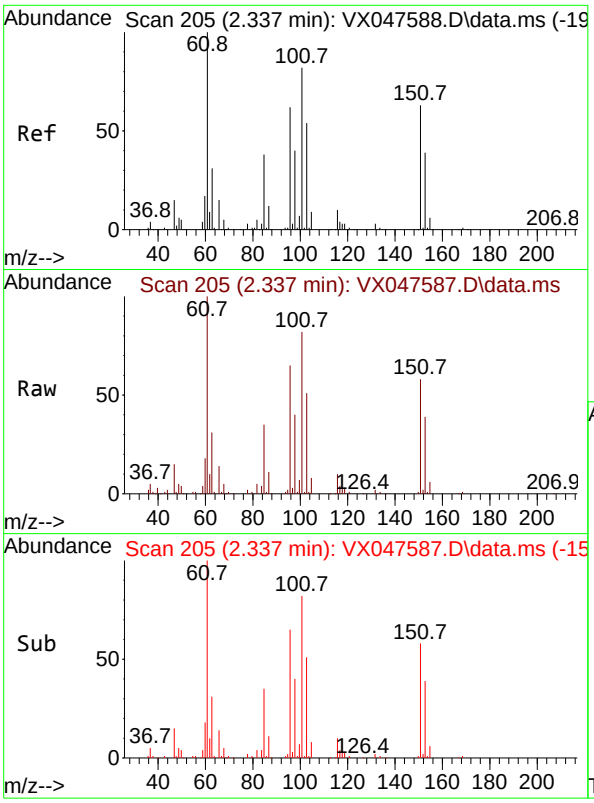



#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.0 | 52.3 | 156.8 |

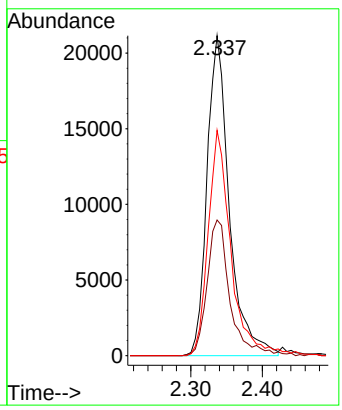





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:101 Resp: 4573

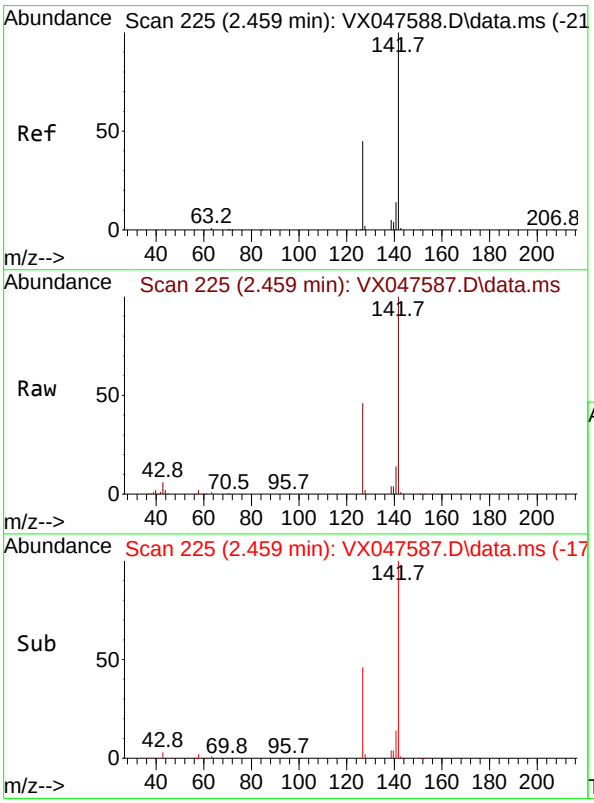
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.5 | 53.3 |
| 151 | 72.1 | 59.4 | 89.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

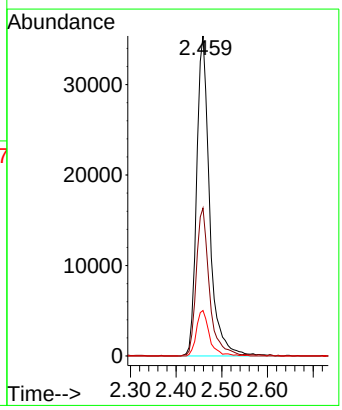
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

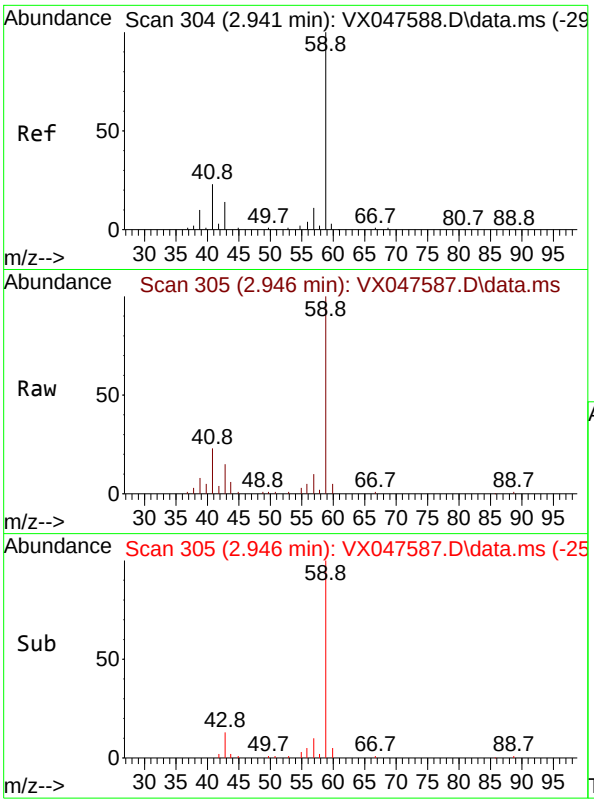



#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.9 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |

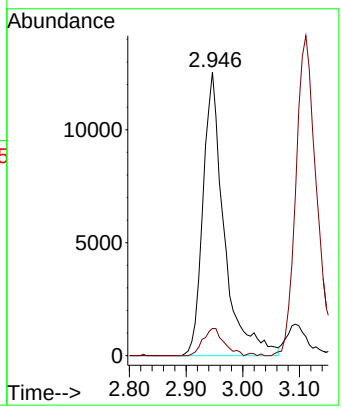





#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 59 Resp: 3245

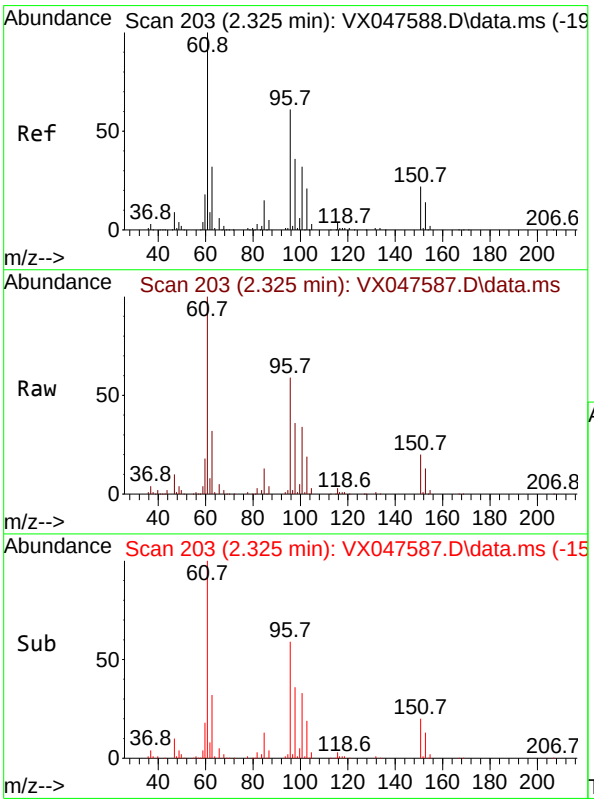
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.5 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

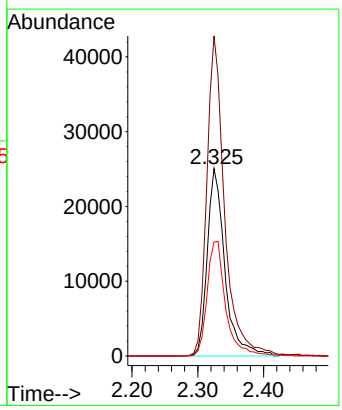
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

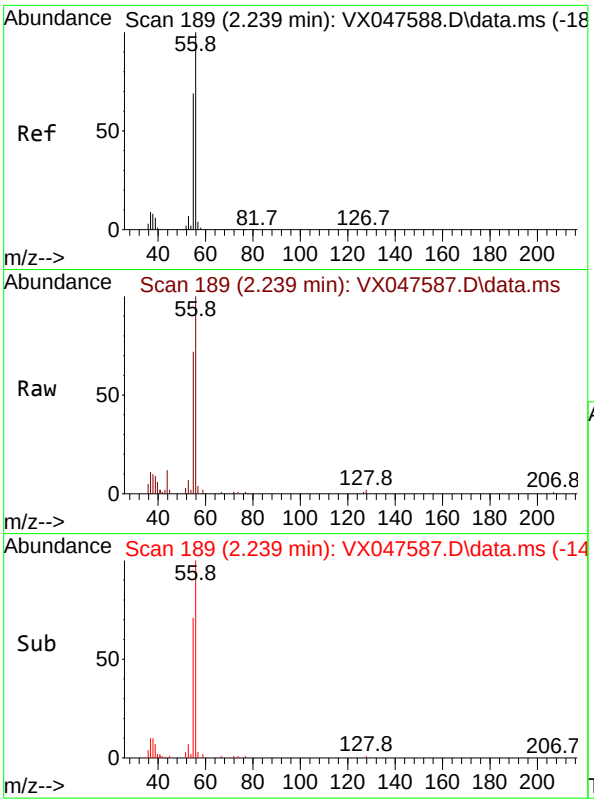



#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.7 | 131.0 | 196.6 |
| 98 | 60.8 | 47.7 | 71.5 |

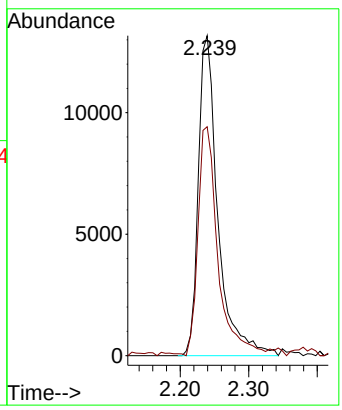





#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 2615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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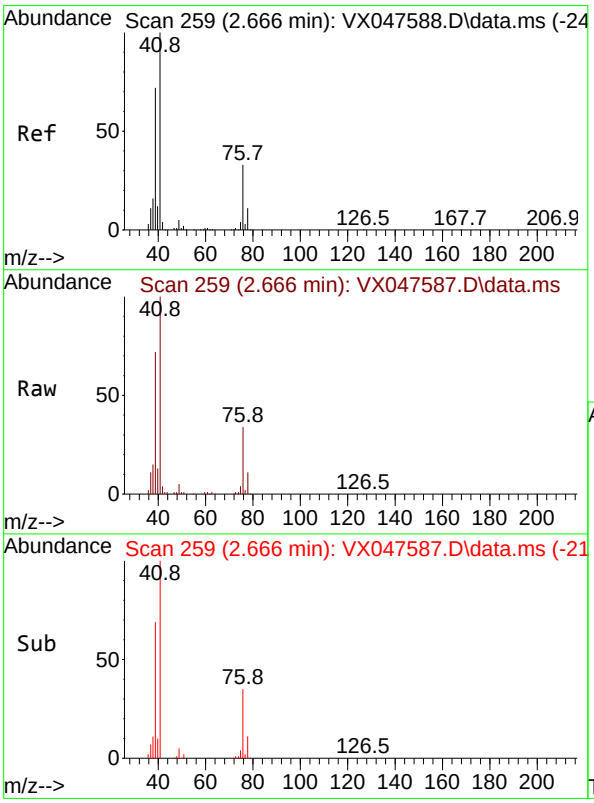
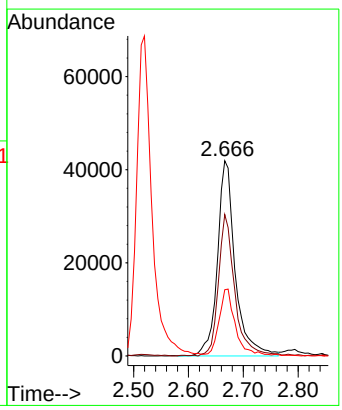
Supervised By :Mahesh Dadoda 09/18/2025

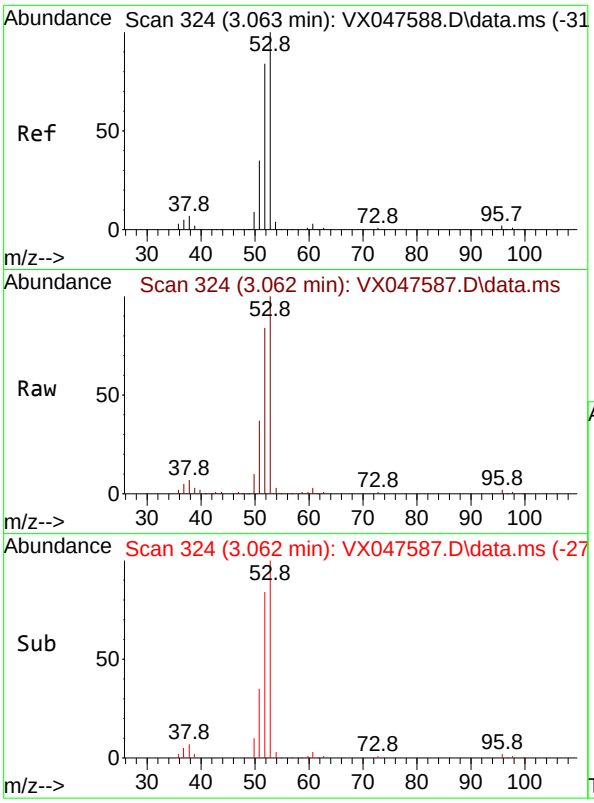



#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.5 | 54.7 | 82.1 |
| 76 | 30.3 | 25.7 | 38.5 |

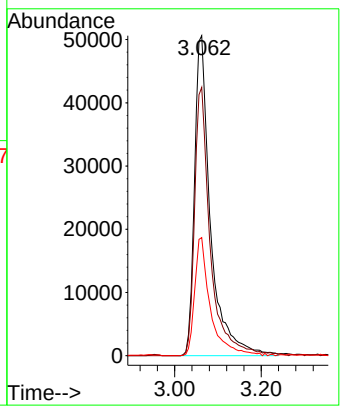





#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 53 Resp: 13014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
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VSTDICC020

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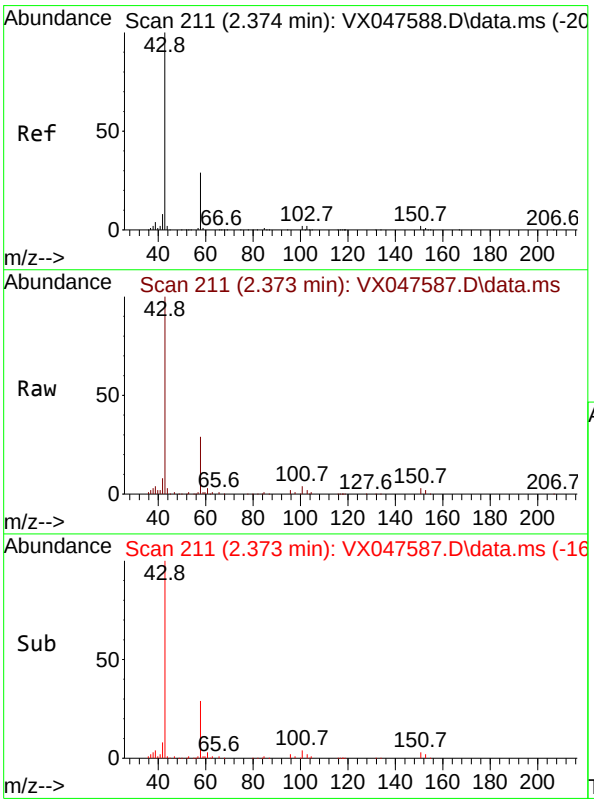
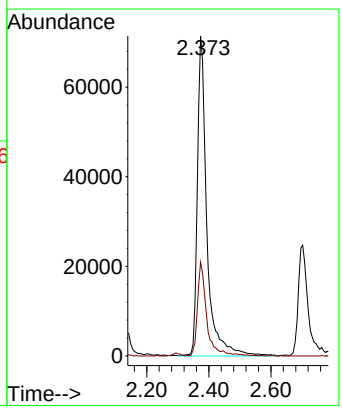
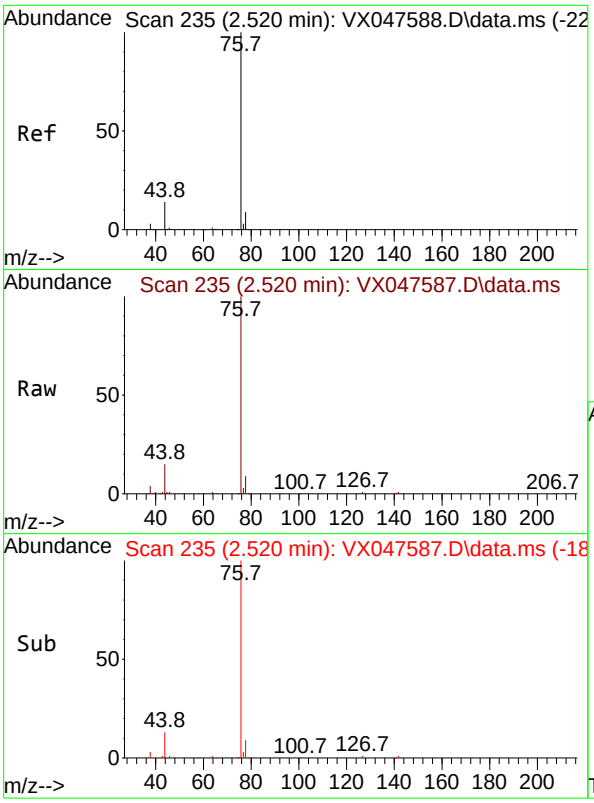



#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 23.4 | 35.0 |

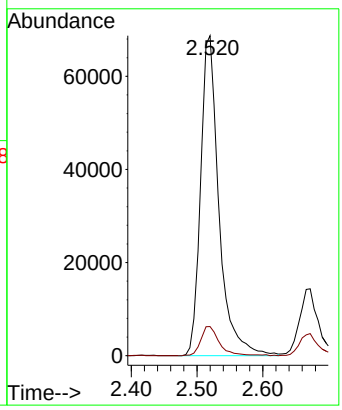





#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 13329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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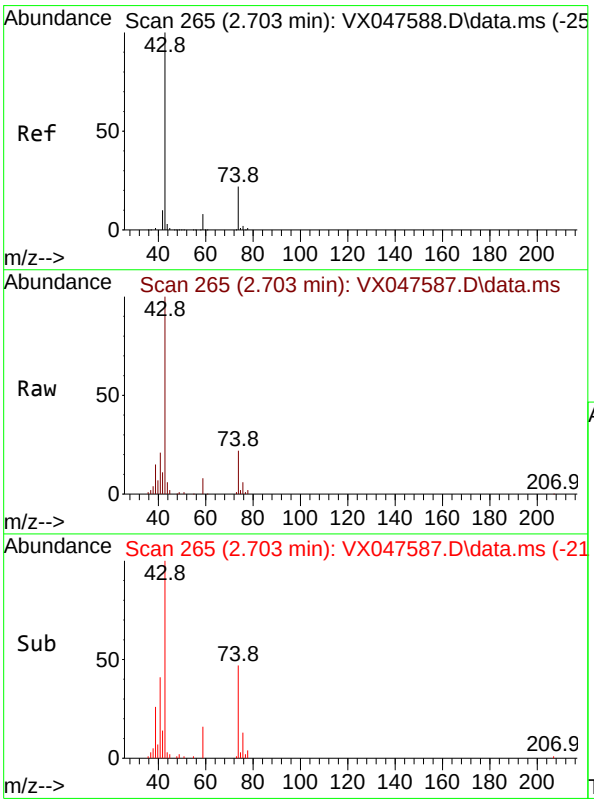
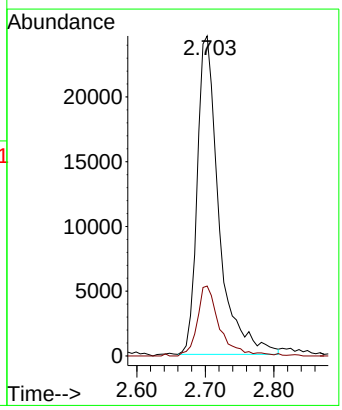
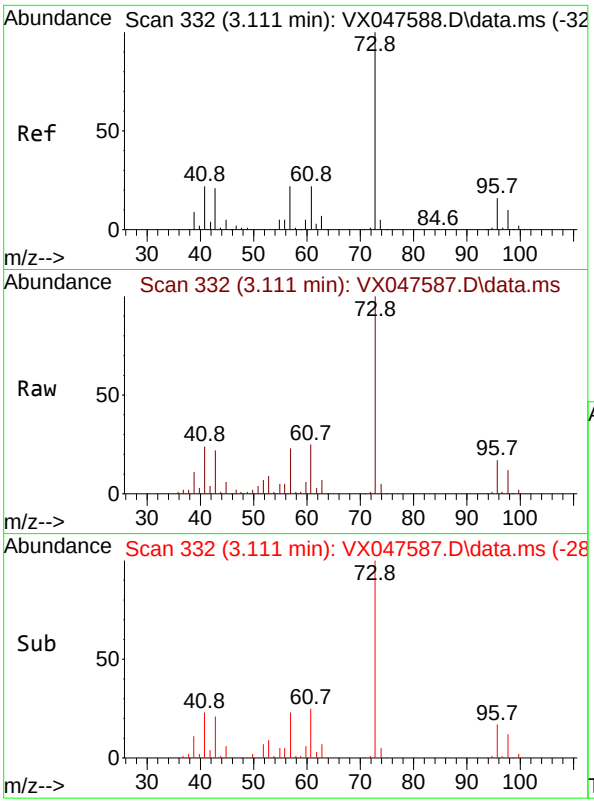



#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |

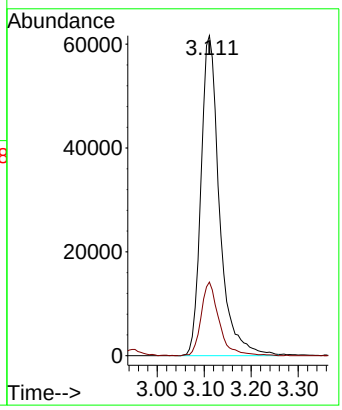





#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 73 Resp: 16842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.0 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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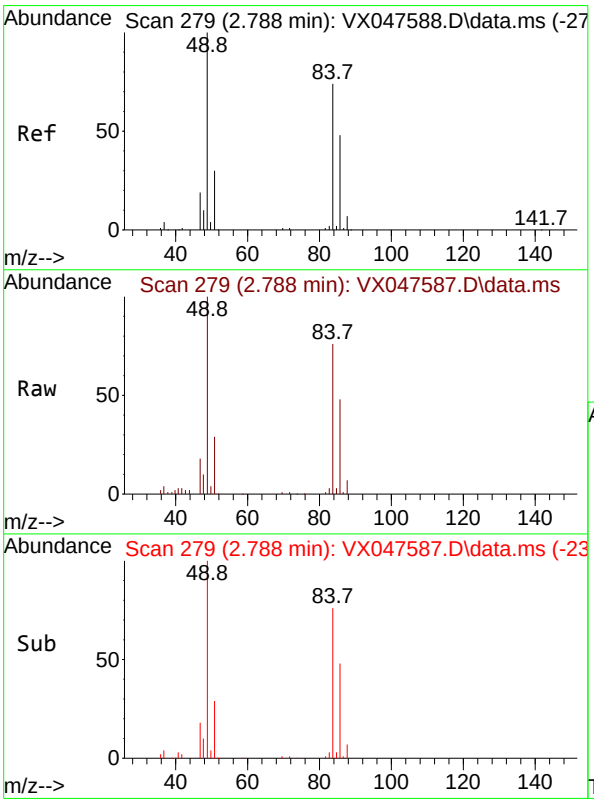
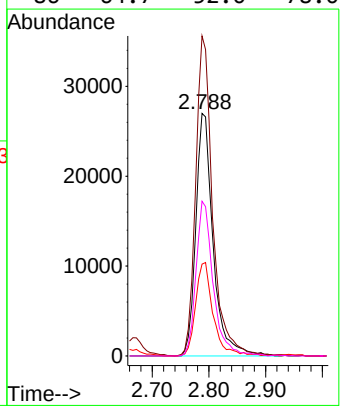
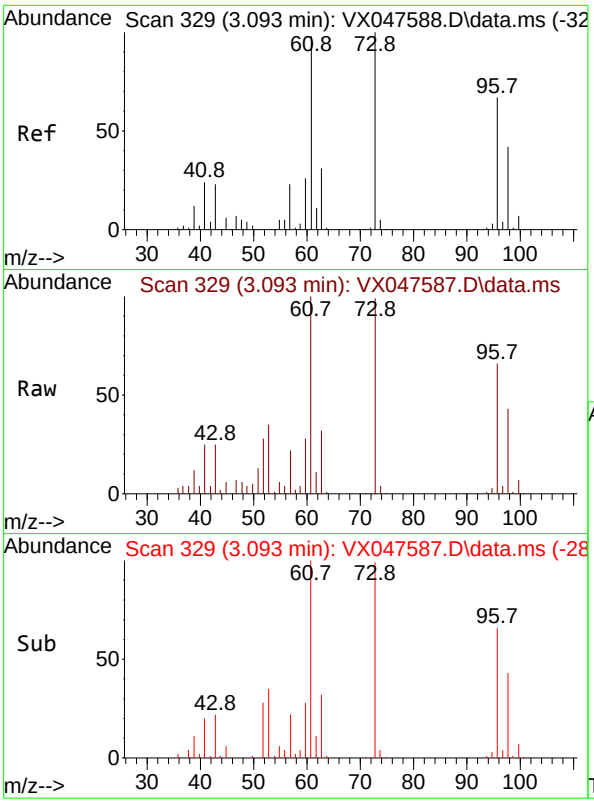



#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.7 | 108.6 | 162.8 |
| 51 | 37.9 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |

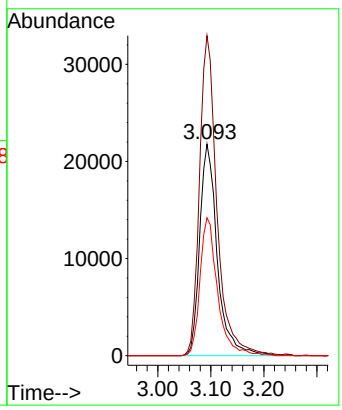





#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 5041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.3 | 116.2 | 174.2 |
| 98 | 67.2 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
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VSTDICC020

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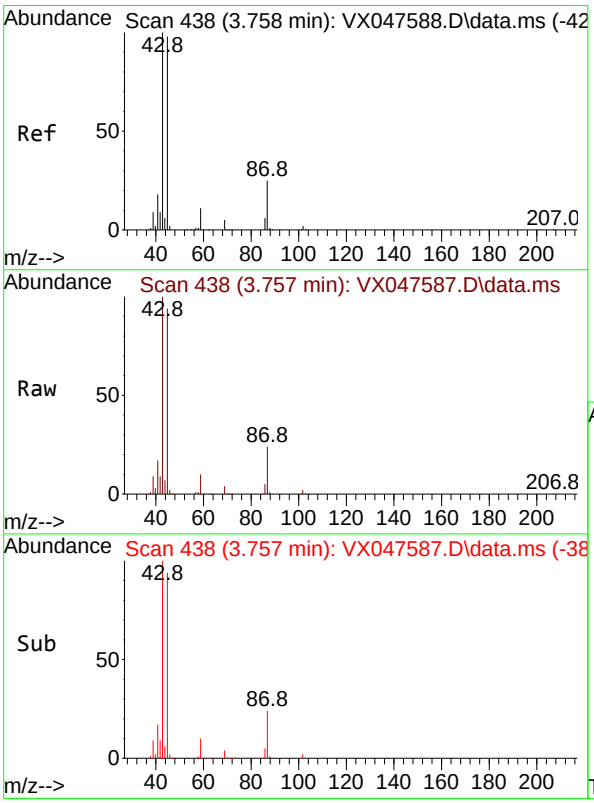
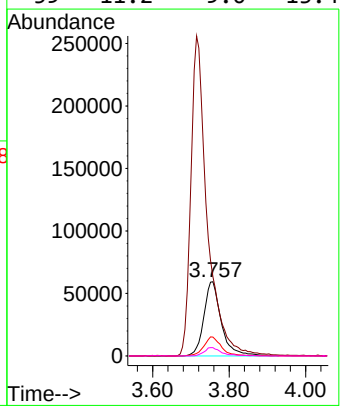
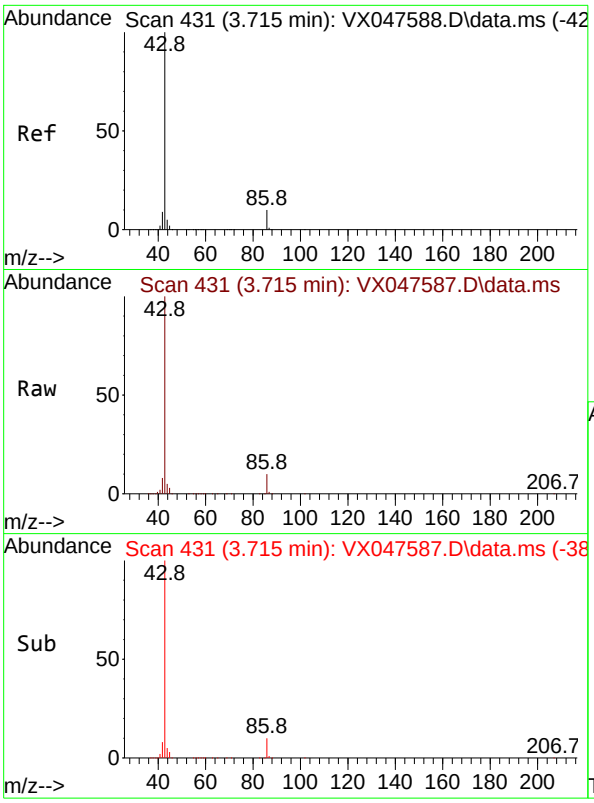



#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 106.1 | 81.0 | 121.4 |
| 87 | 25.5 | 20.3 | 30.5 |
| 59 | 11.2 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 76567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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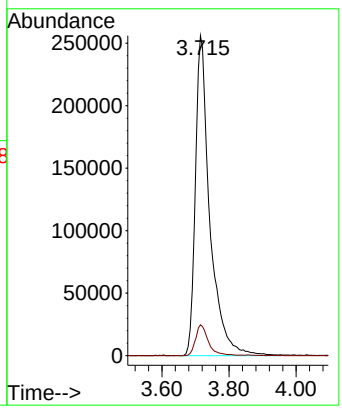
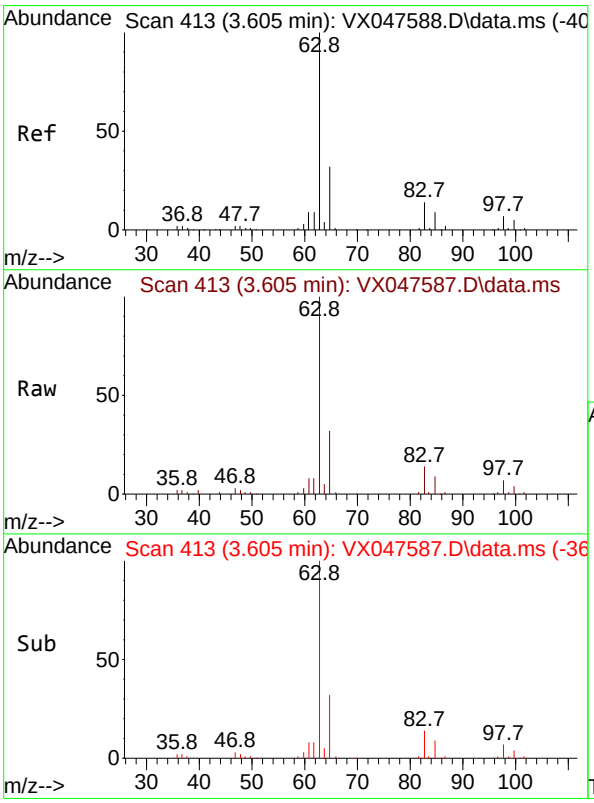
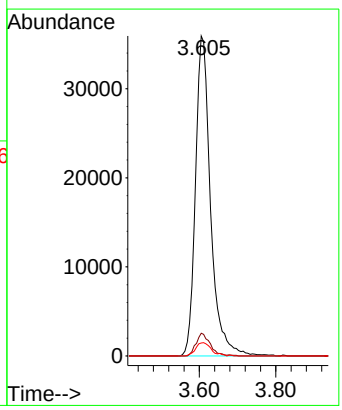


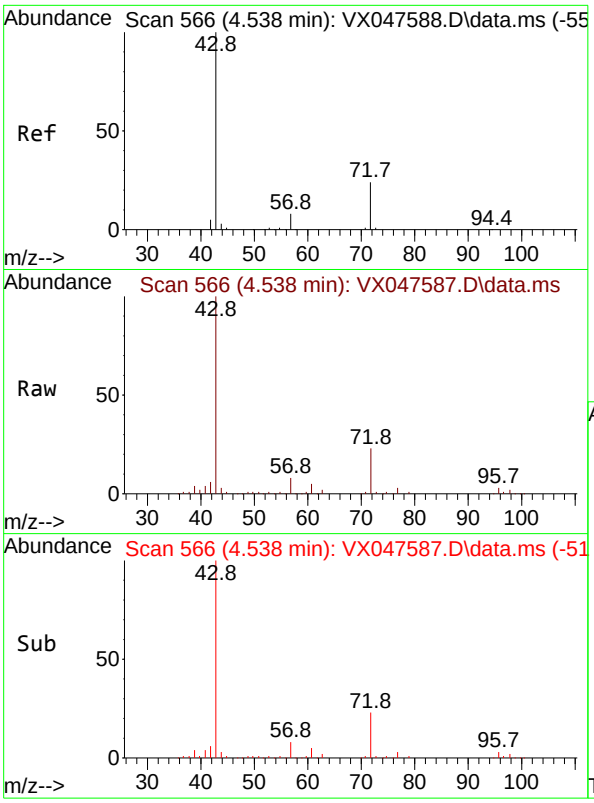




#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.2 |
| 100 | 4.1 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 17948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.3 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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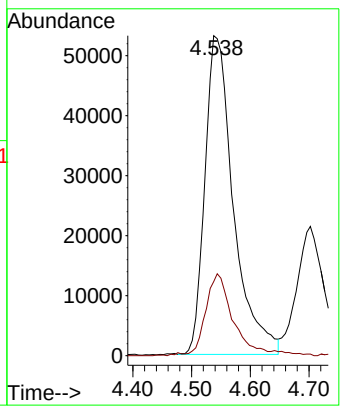
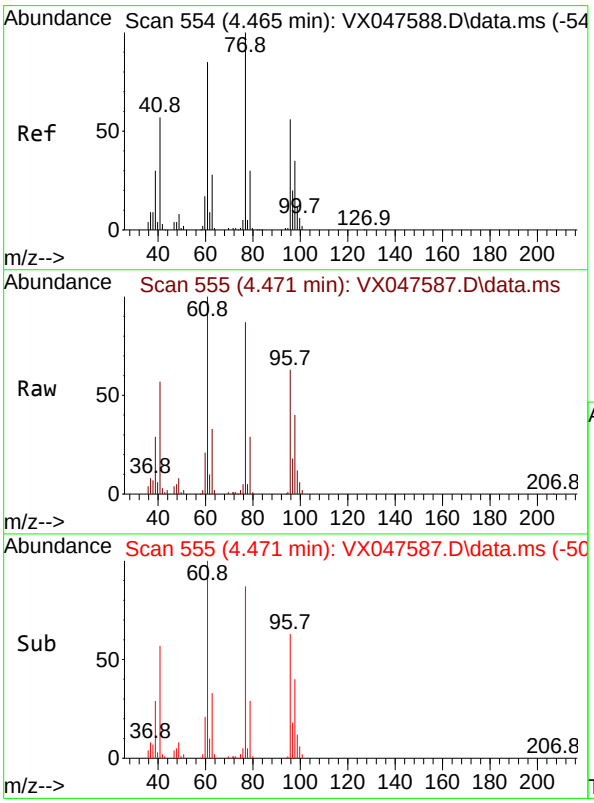
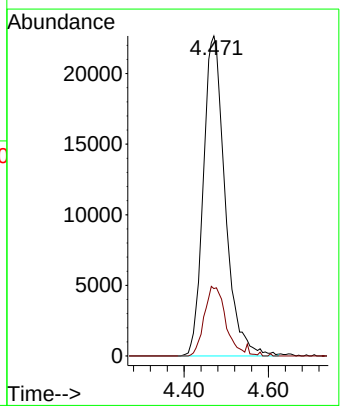


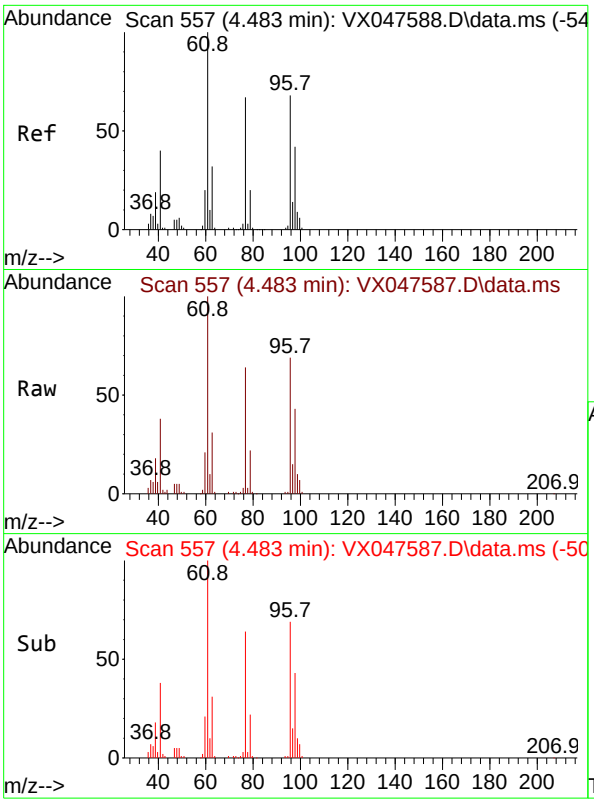




#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.9 | 32.7 |

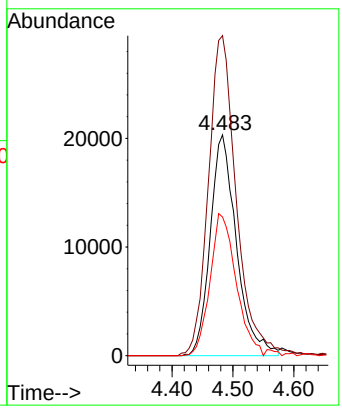





#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 6086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.8 | 0.0 | 303.2 |
| 98 | 63.7 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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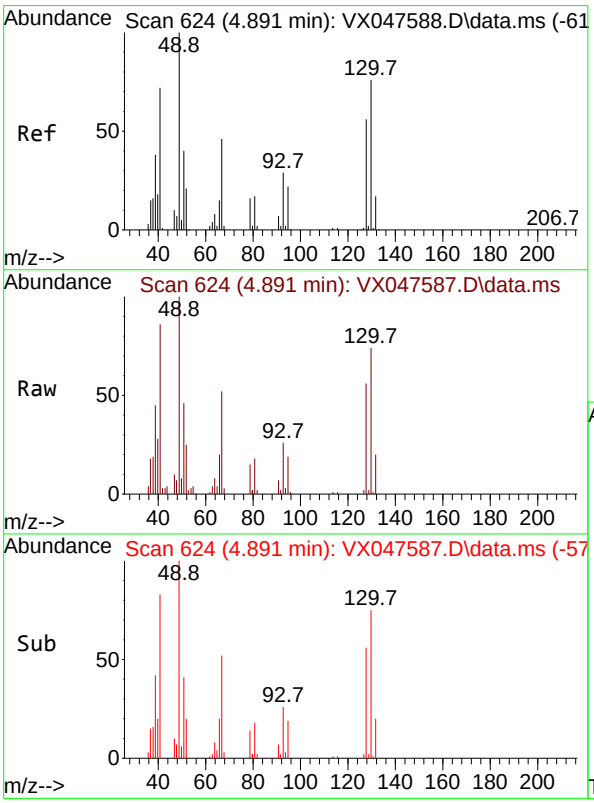
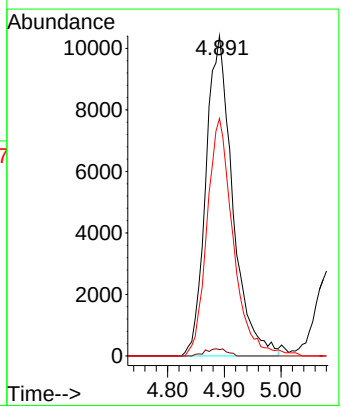
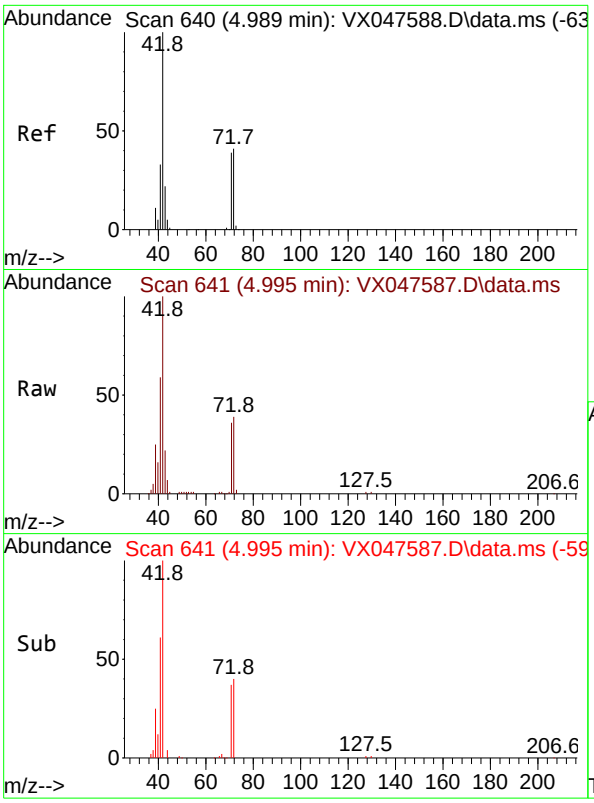



#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.7 | 57.8 | 86.8 |

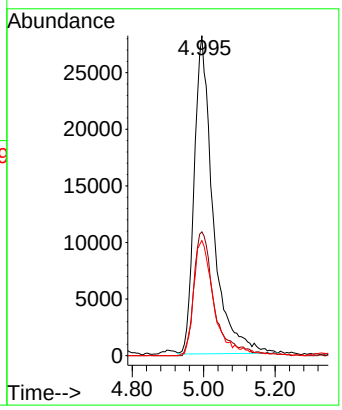





#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 42 Resp: 10293

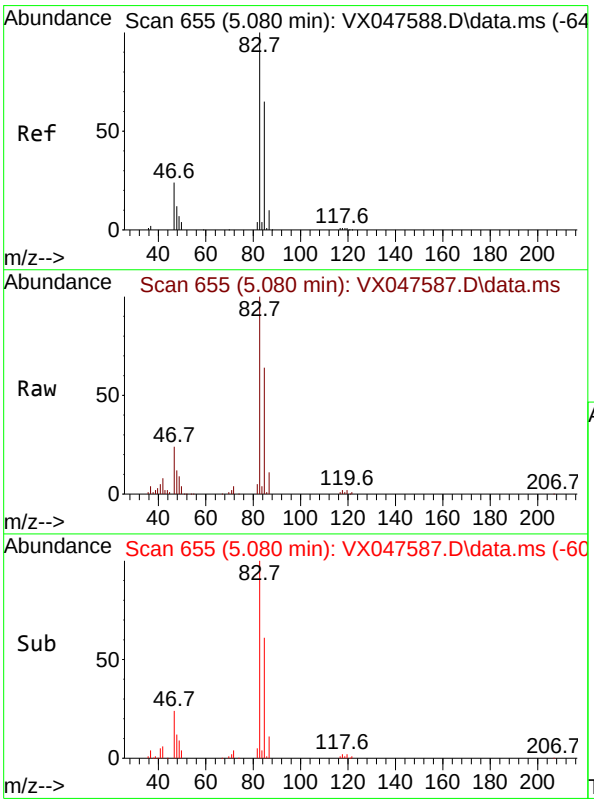
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 34.2 | 51.2 |
| 71 | 37.8 | 31.9 | 47.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

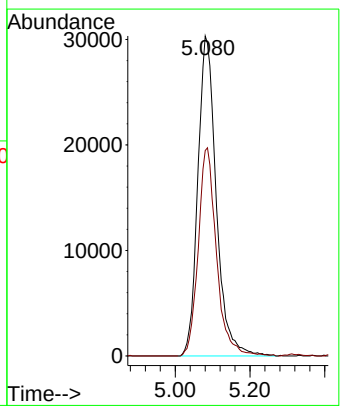
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

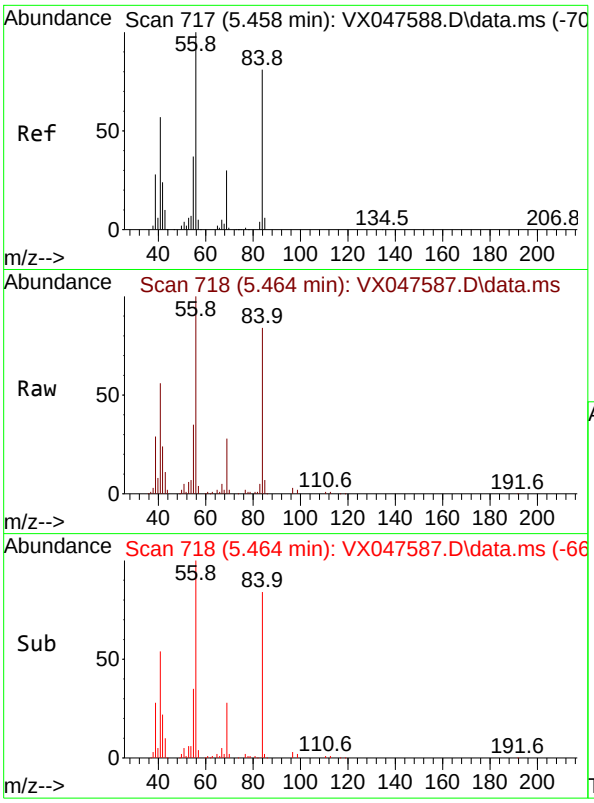



#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 51.8 | 77.6 |






#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 56 Resp: 8277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.9 | 23.8 | 35.8 |
| 84 | 82.2 | 64.6 | 97.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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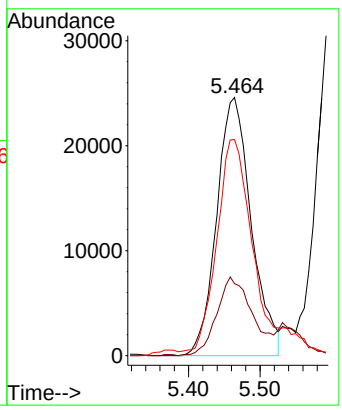
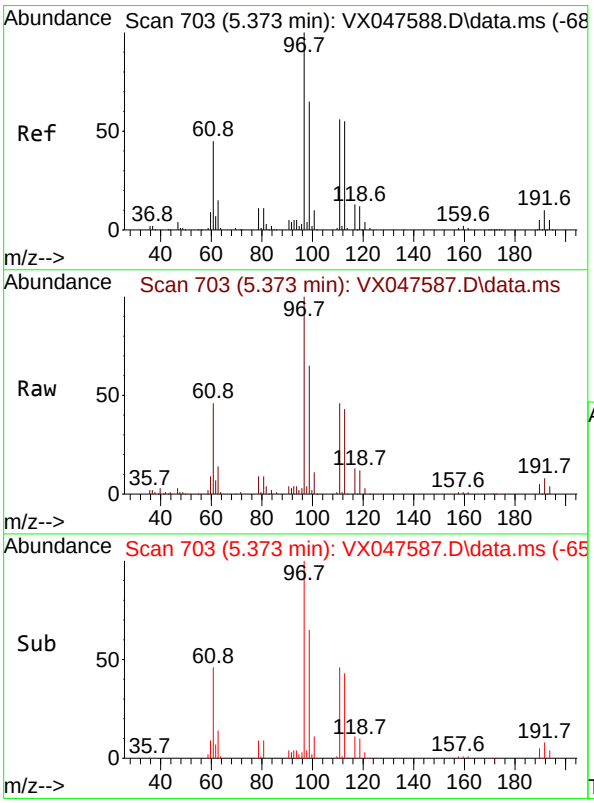
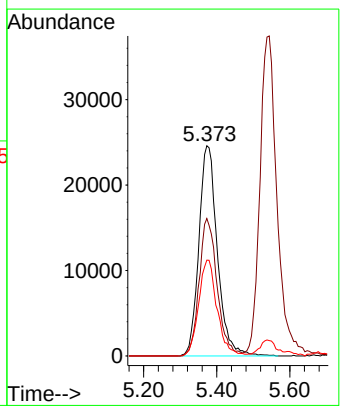


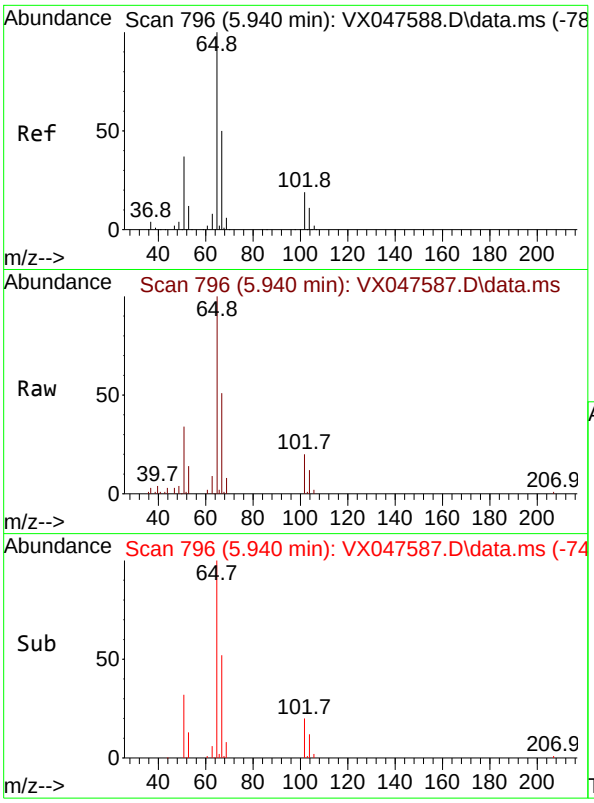




#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.6 | 76.0 |
| 61 | 45.5 | 35.8 | 53.8 |






#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 65 Resp: 4907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 103.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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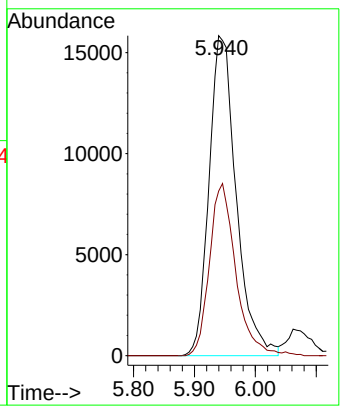
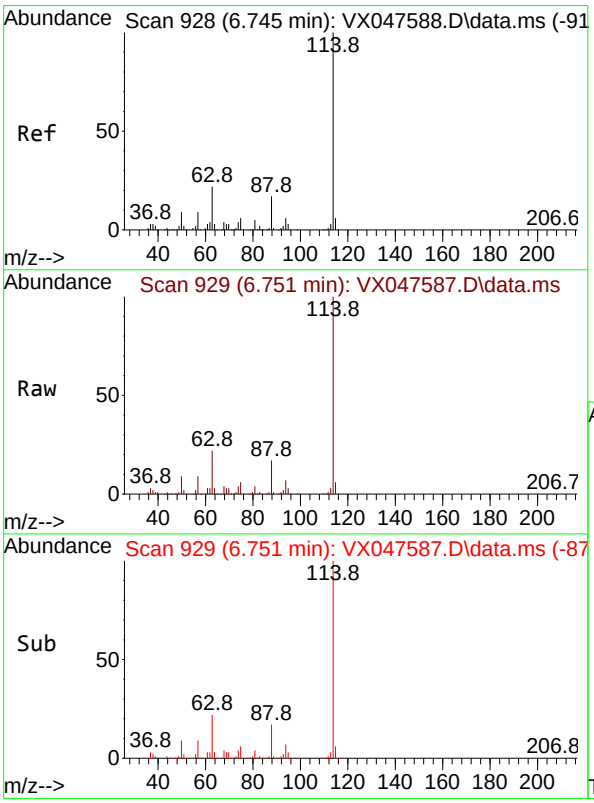
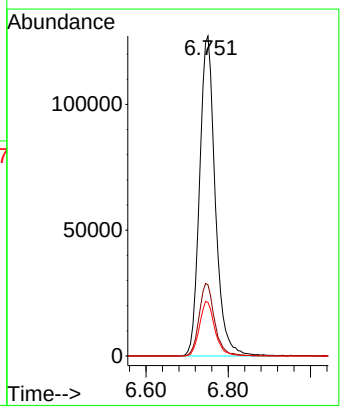


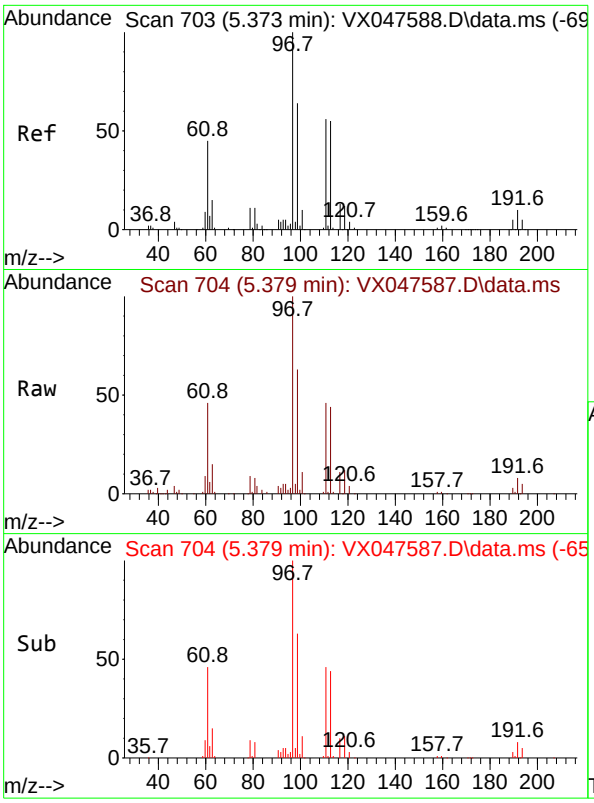




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |

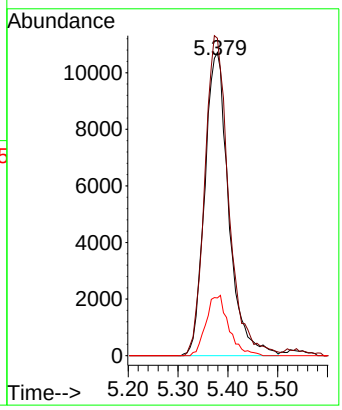





#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:113 Resp: 3578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.7 | 80.9 | 121.3 |
| 192 | 18.8 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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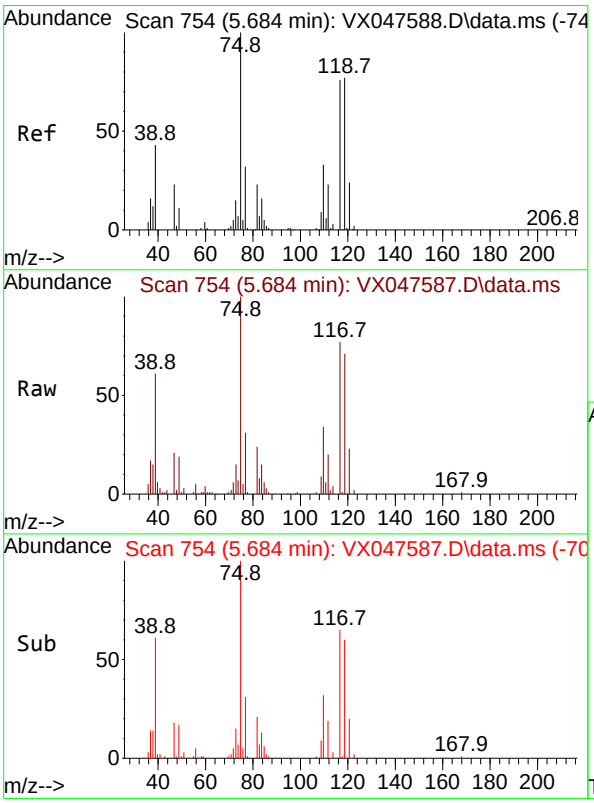
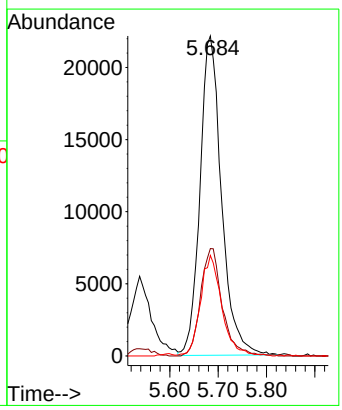
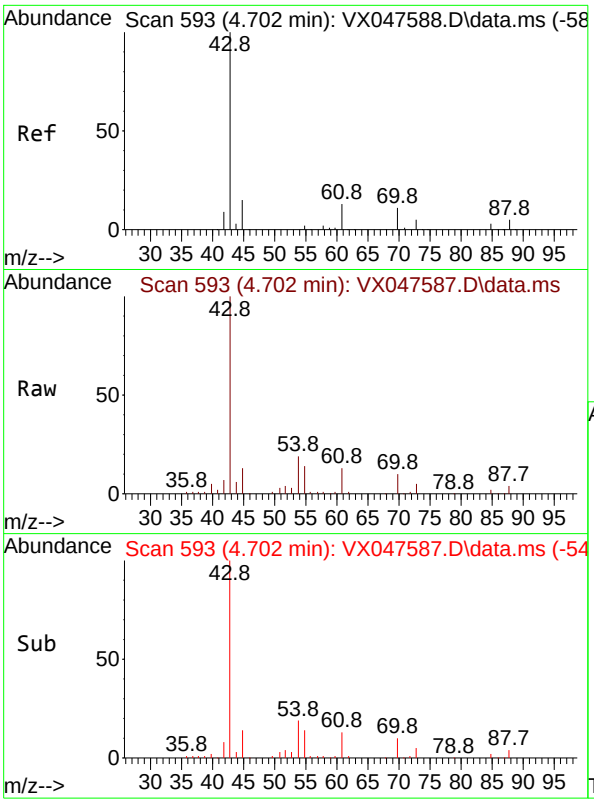



#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 31.2 | 24.3 | 36.5 |

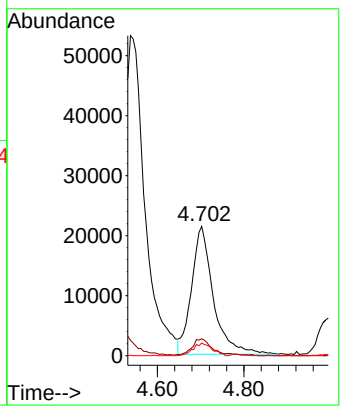





#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 7449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.8 | 9.8 | 14.8 |
| 70 | 8.5 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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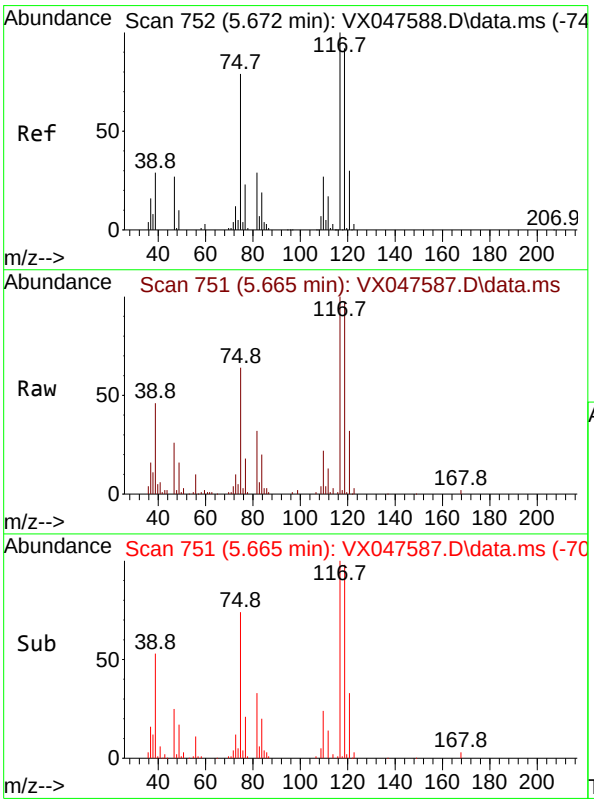
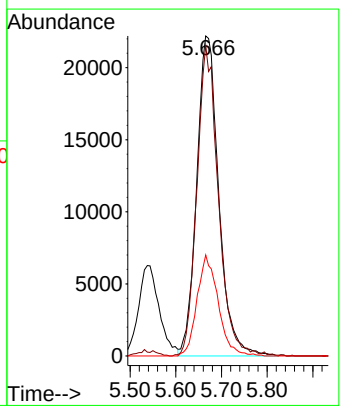
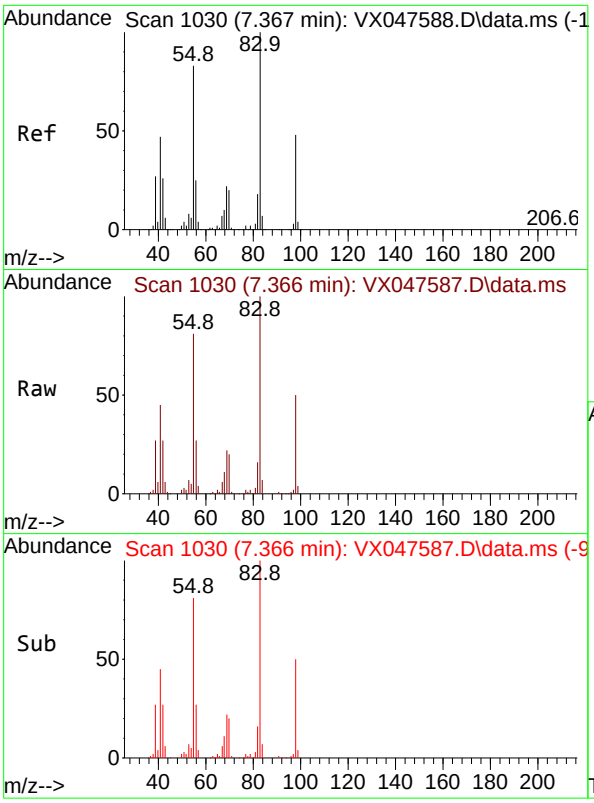



#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 73.4 | 110.2 |
| 121 | 31.6 | 23.8 | 35.6 |

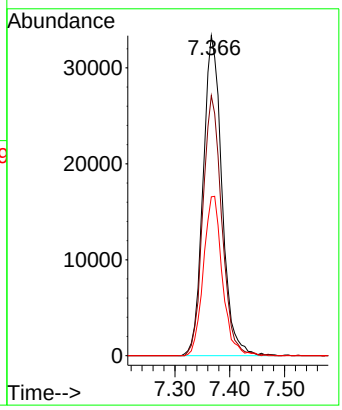





#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 7949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.2 | 66.4 | 99.6 |
| 98 | 49.6 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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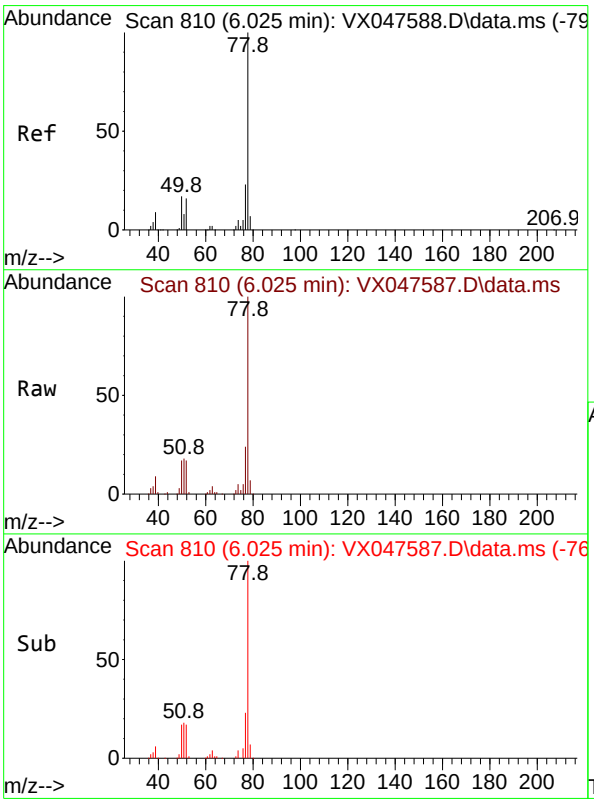
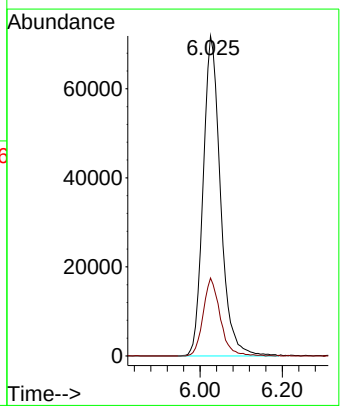
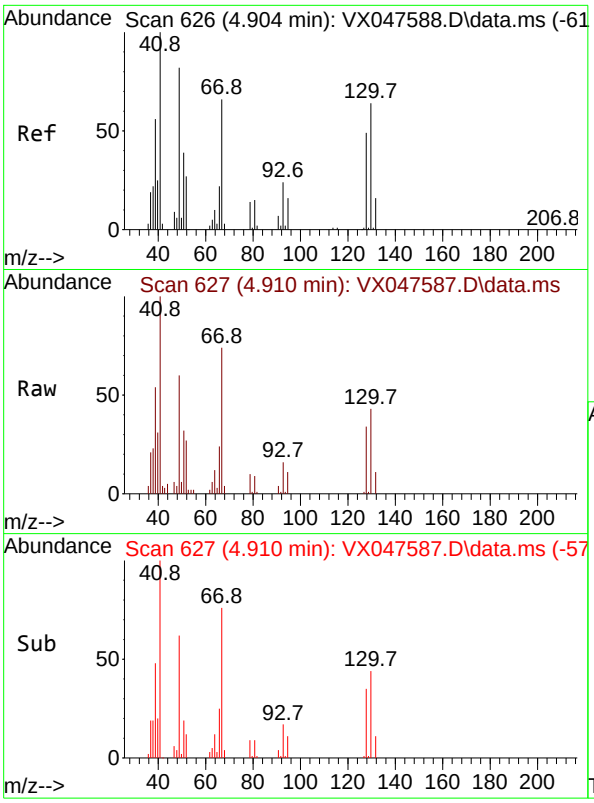



#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 18.8 | 28.2 |

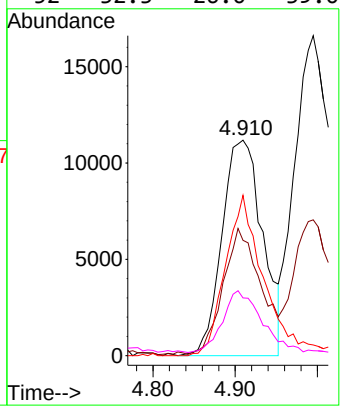





#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 3852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 43.3 | 64.9 |
| 67 | 72.5 | 58.6 | 87.8 |
| 52 | 32.3 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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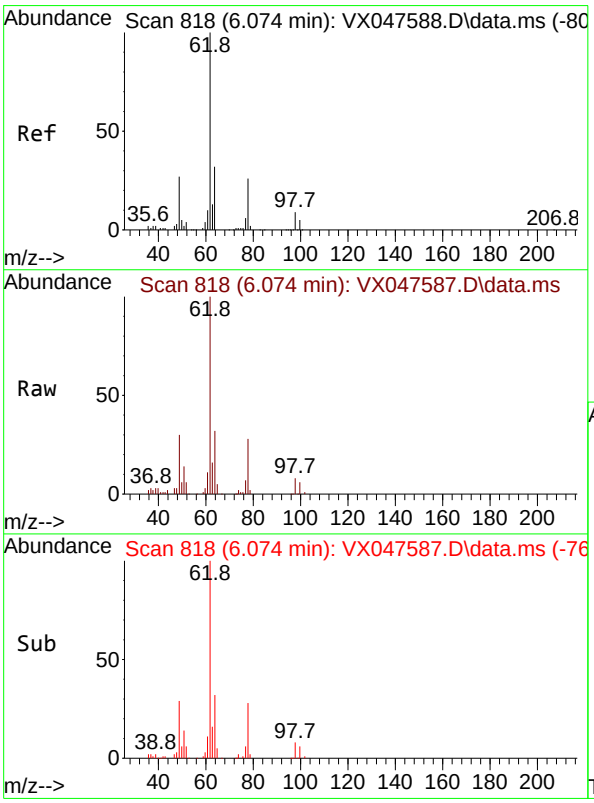
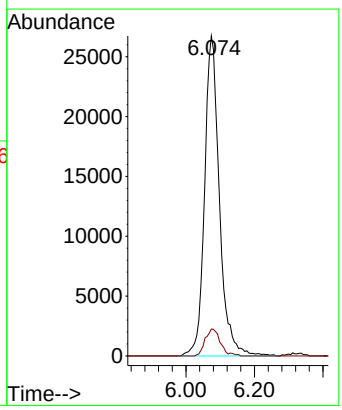
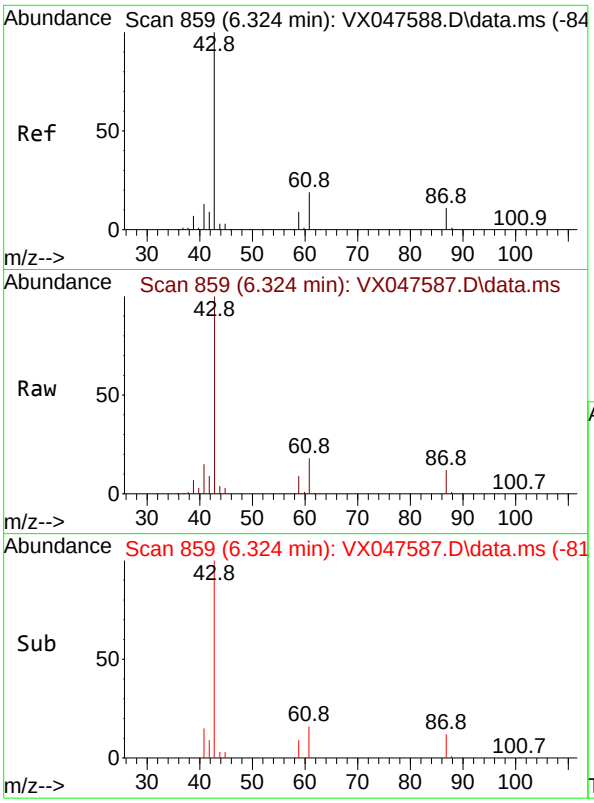



#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |

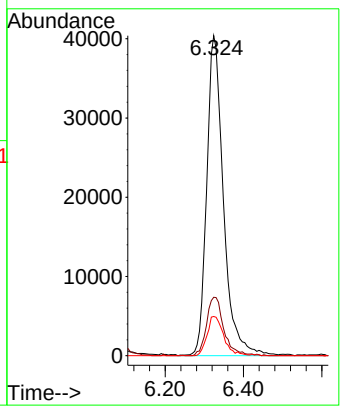





#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 11962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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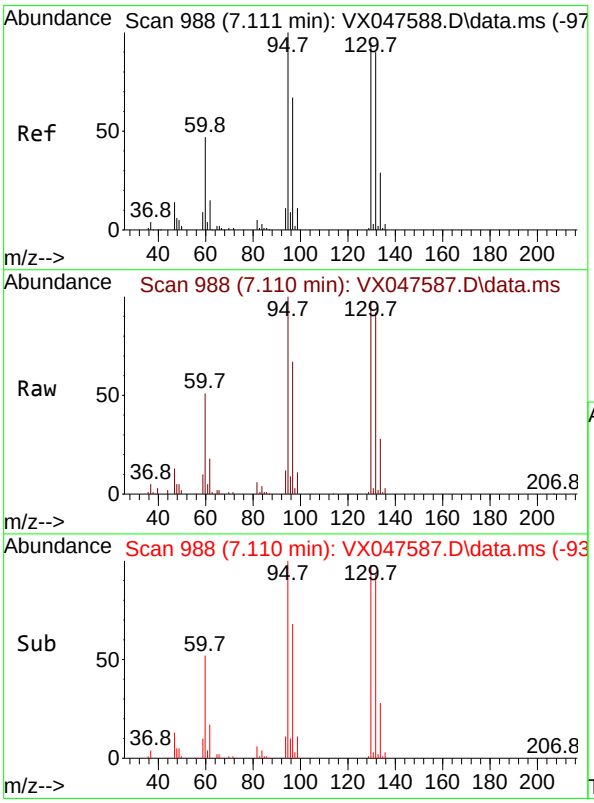
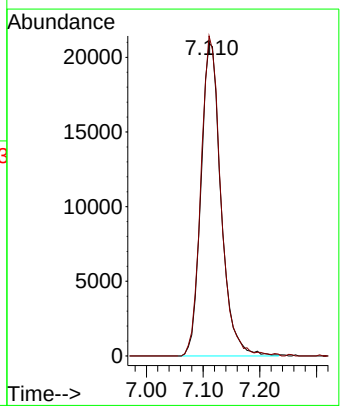
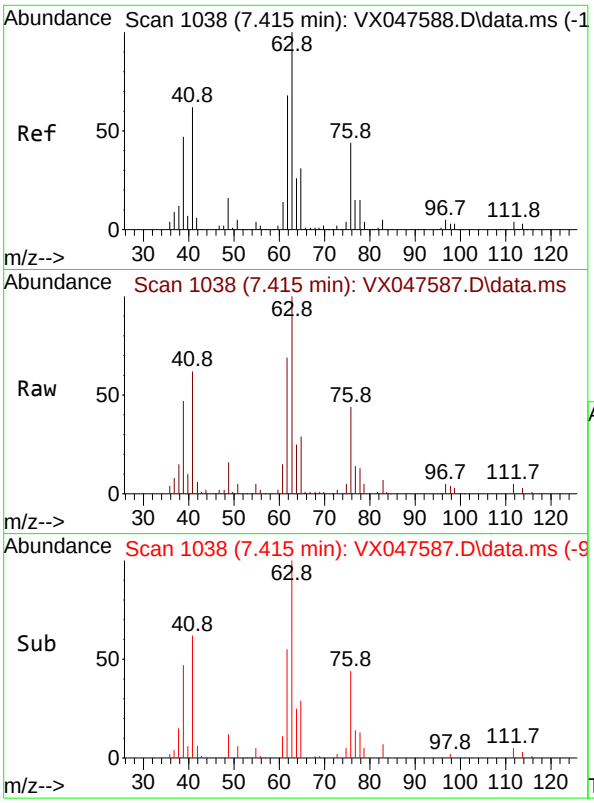



#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.3 | 0.0 | 210.8 |

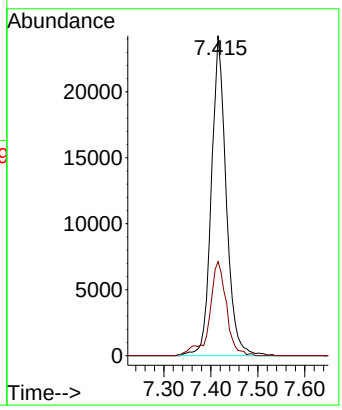





#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 5304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.7 | 37.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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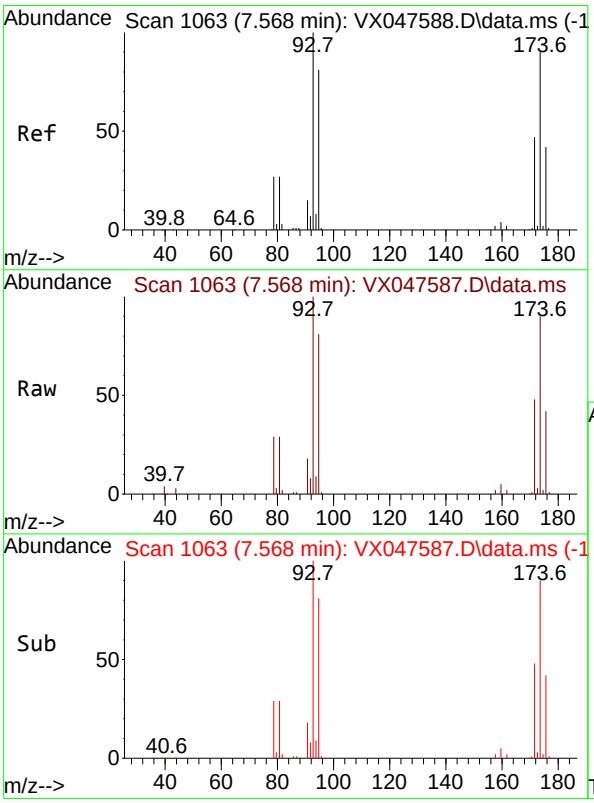
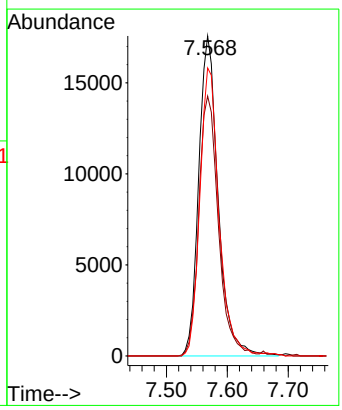
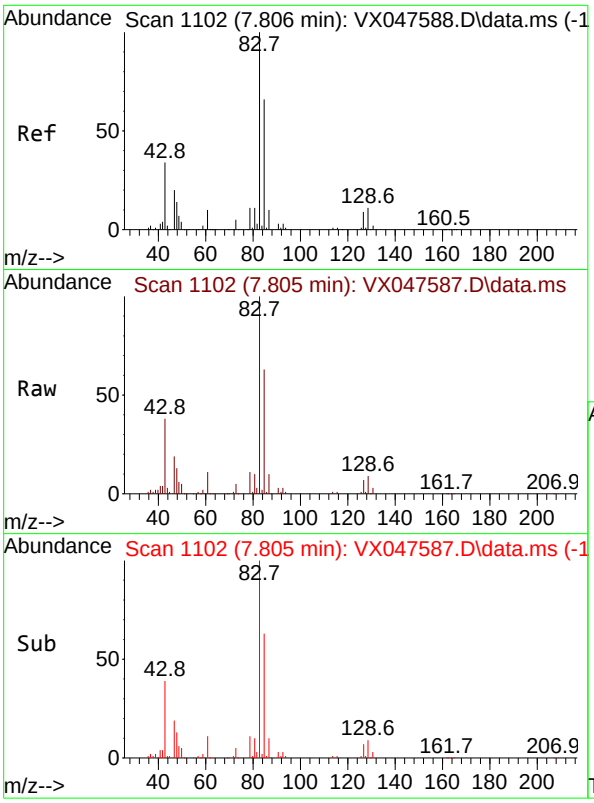



#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.0 | 97.6 |
| 174 | 89.2 | 71.6 | 107.4 |

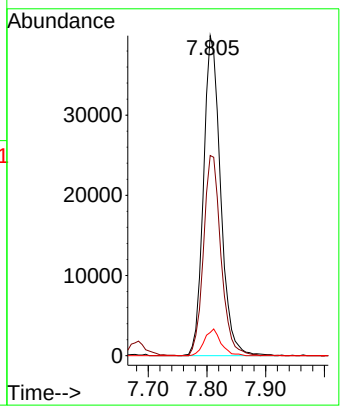





#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 8083

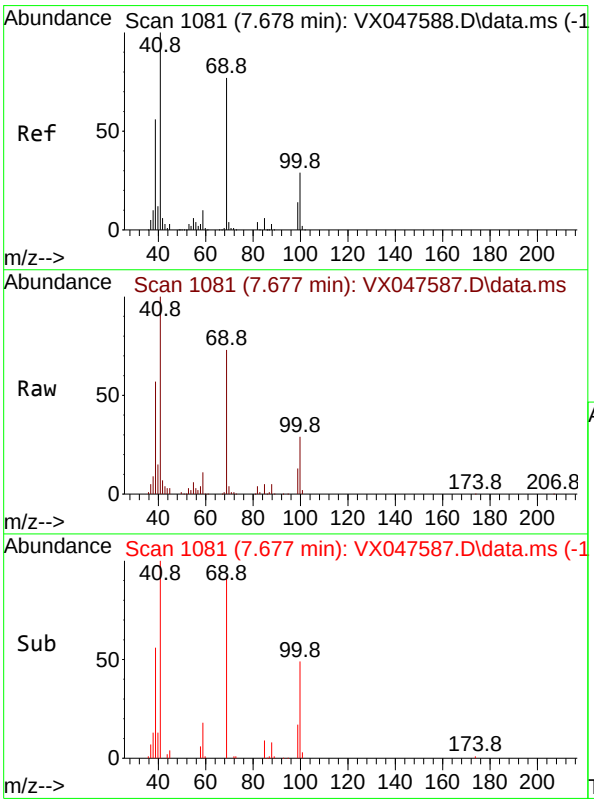
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

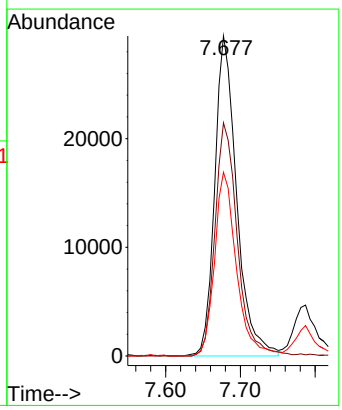
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

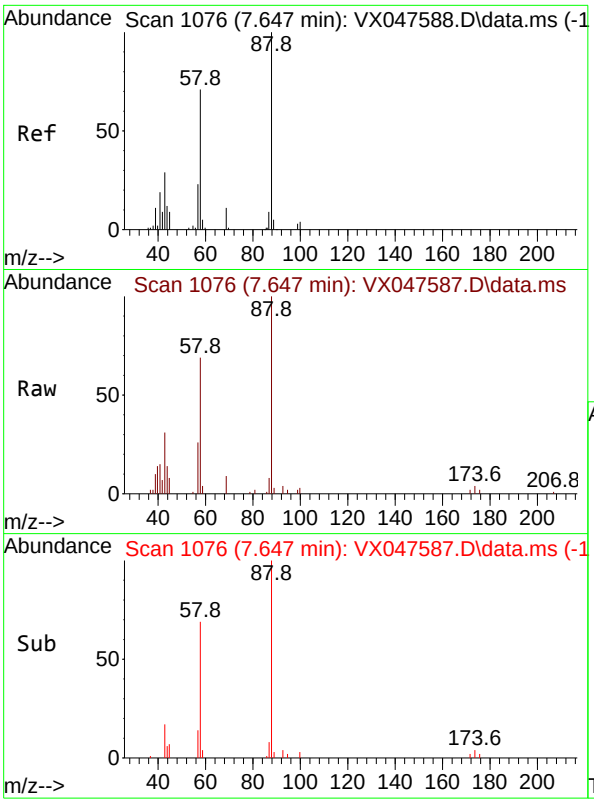



#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 74.2 | 61.4 | 92.2 |
| 39 | 57.2 | 45.8 | 68.6 |

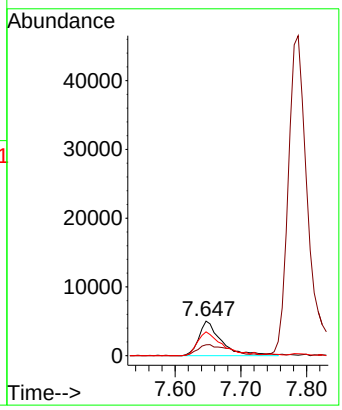





#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 88 Resp: 1204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.7 | 30.2 | 45.2 |
| 58 | 75.8 | 59.5 | 89.3 |




**Instrument :**
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VSTDICC020

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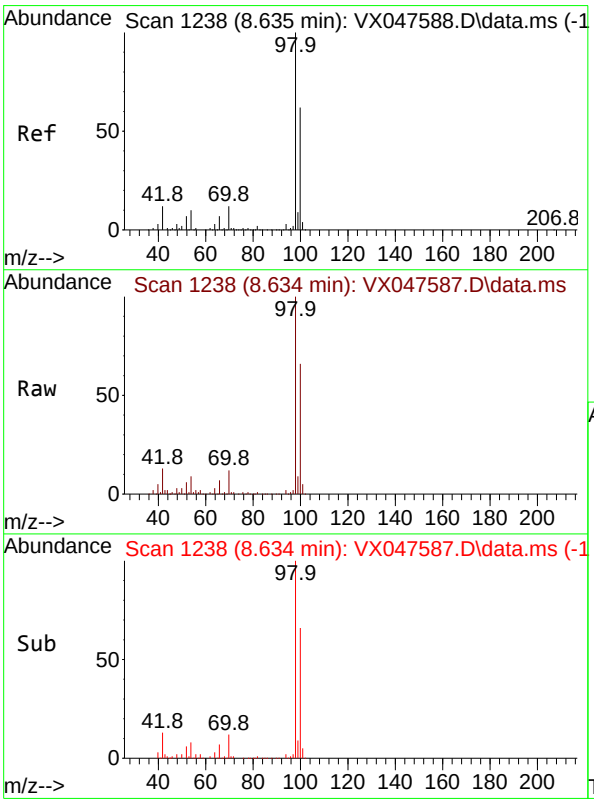
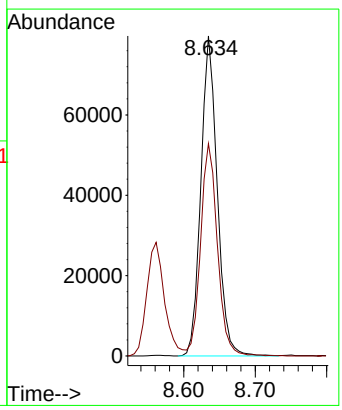
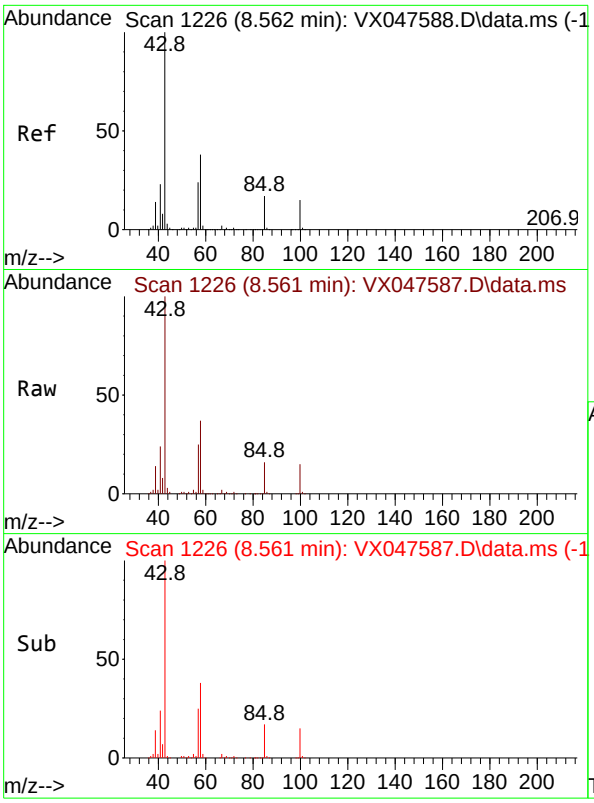



#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.9 | 53.0 | 79.4 |

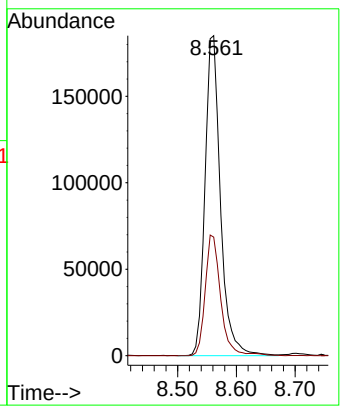





#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 33837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.3 | 45.5 |




**Instrument :**
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VSTDICC020

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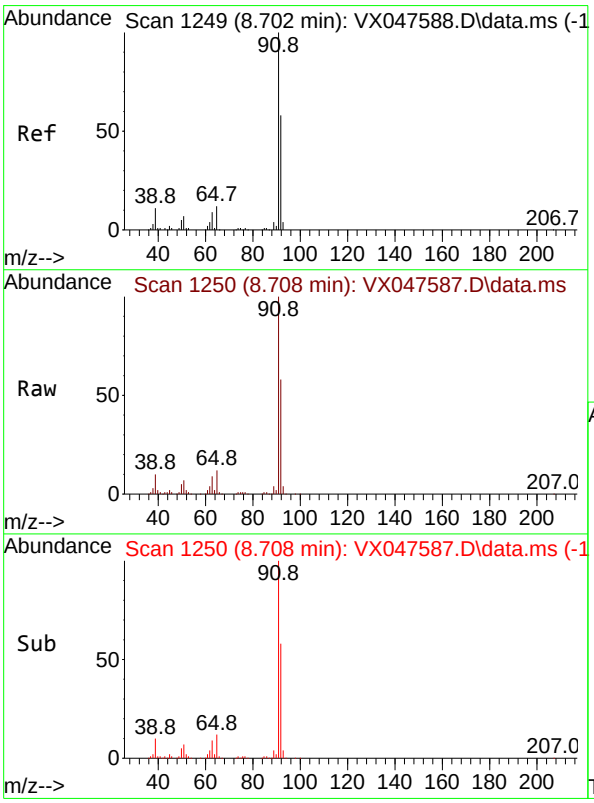
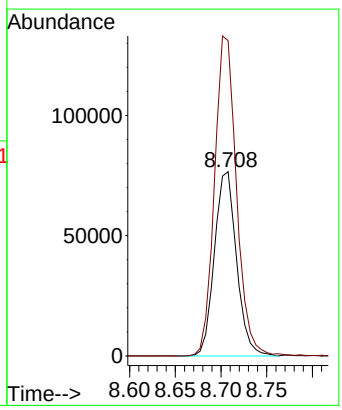
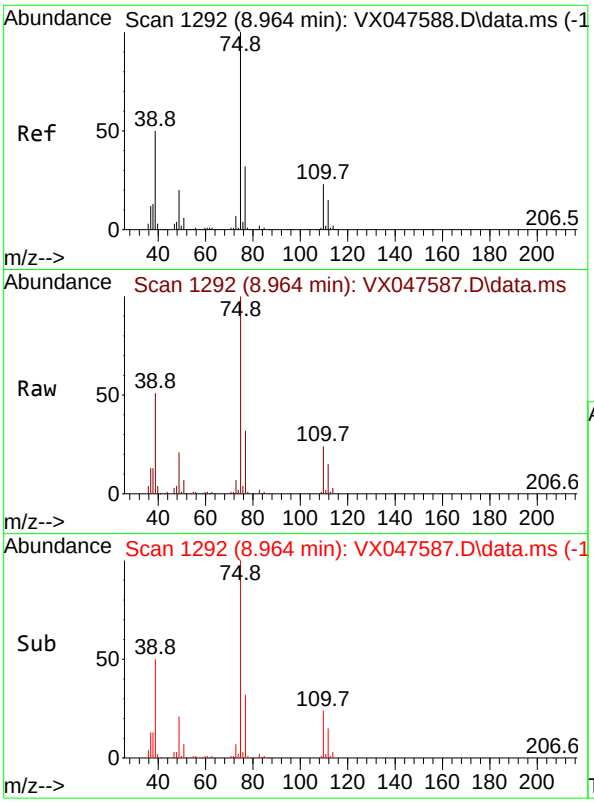



#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.1 | 205.7 |

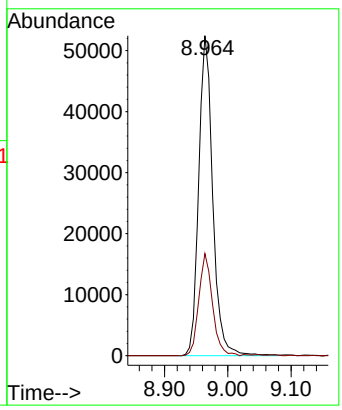





#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 8097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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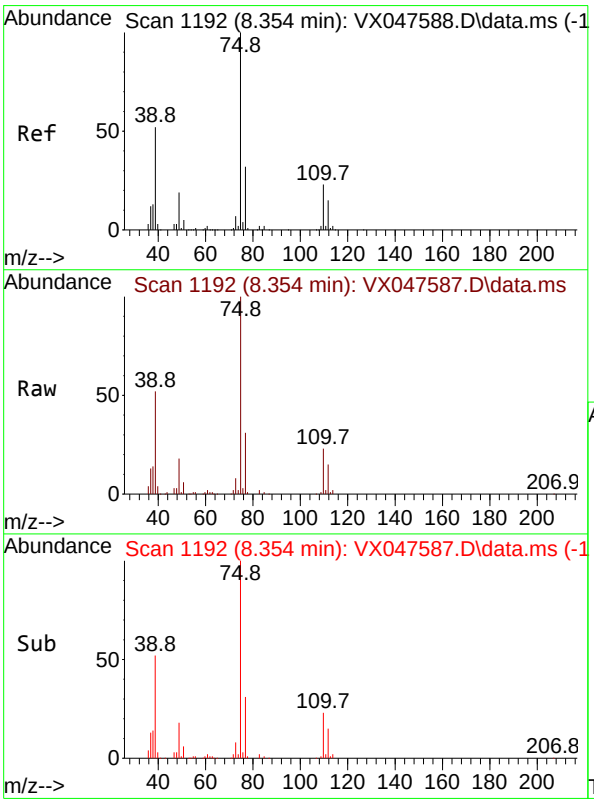
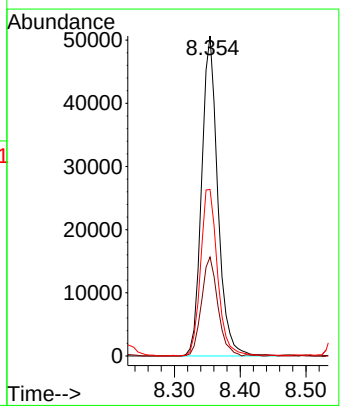
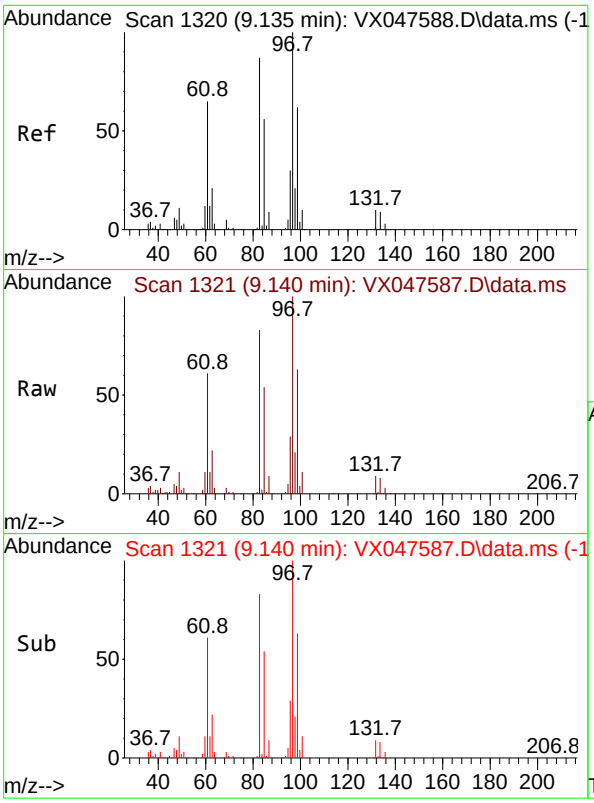



#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.8 | 38.6 |
| 39 | 52.0 | 41.4 | 62.2 |

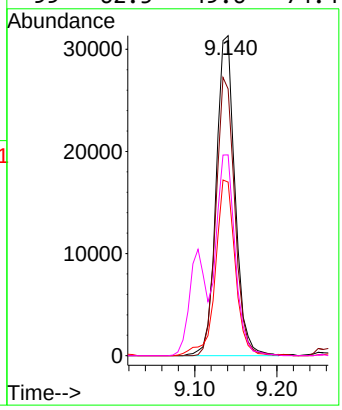





#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 4985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.3 | 69.6 | 104.4 |
| 85 | 55.2 | 45.0 | 67.6 |
| 99 | 62.5 | 49.6 | 74.4 |




**Instrument :**
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VSTDICC020

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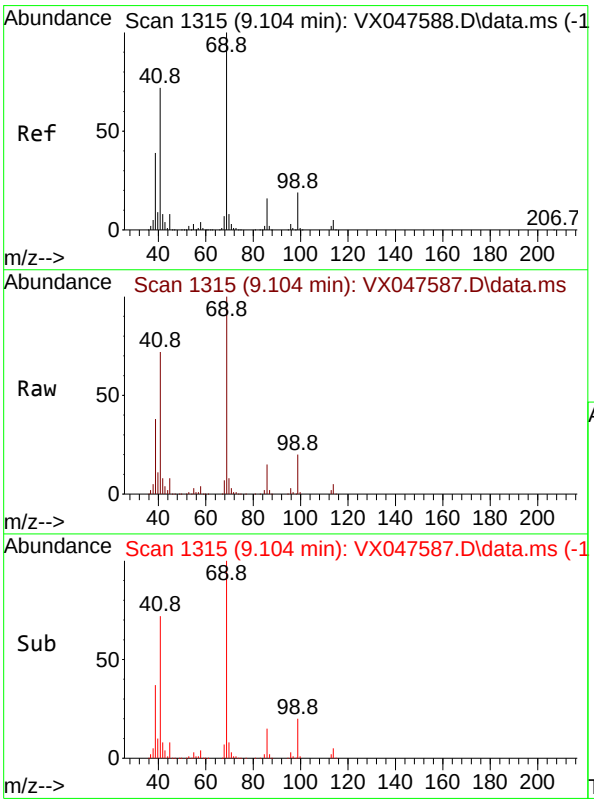
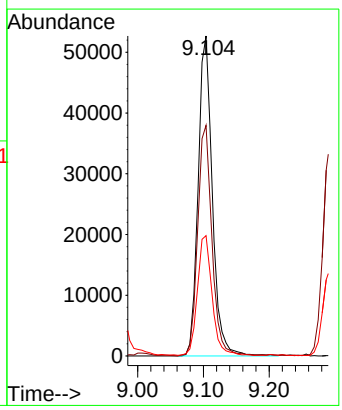
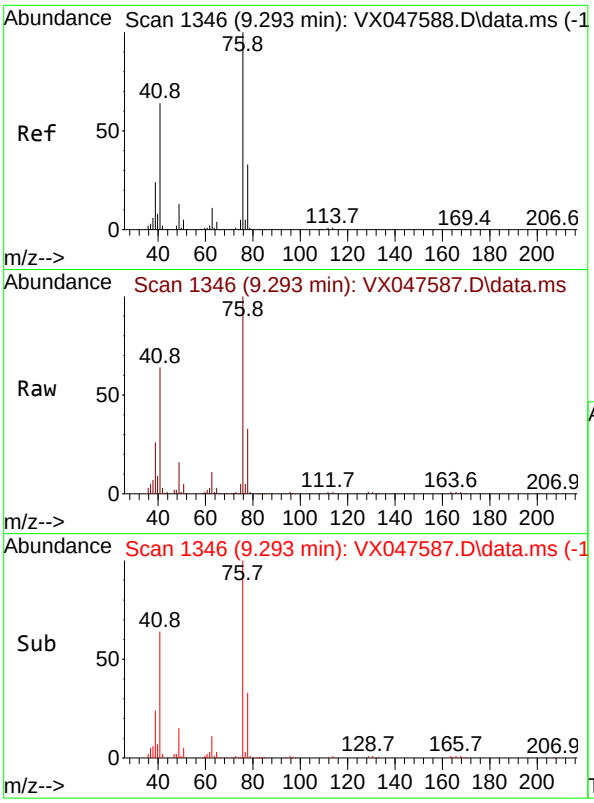



#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.6 | 58.6 | 87.8 |
| 39 | 38.6 | 31.5 | 47.3 |






#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 76 Resp: 8551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.2 | 39.4 |

**Instrument :**
MSVOA_X
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VSTDICC020

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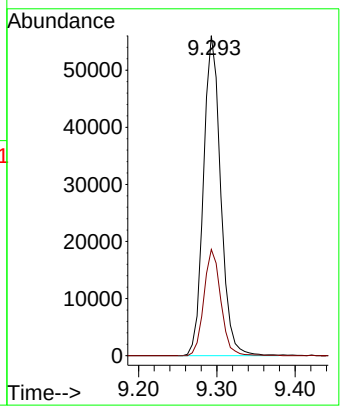
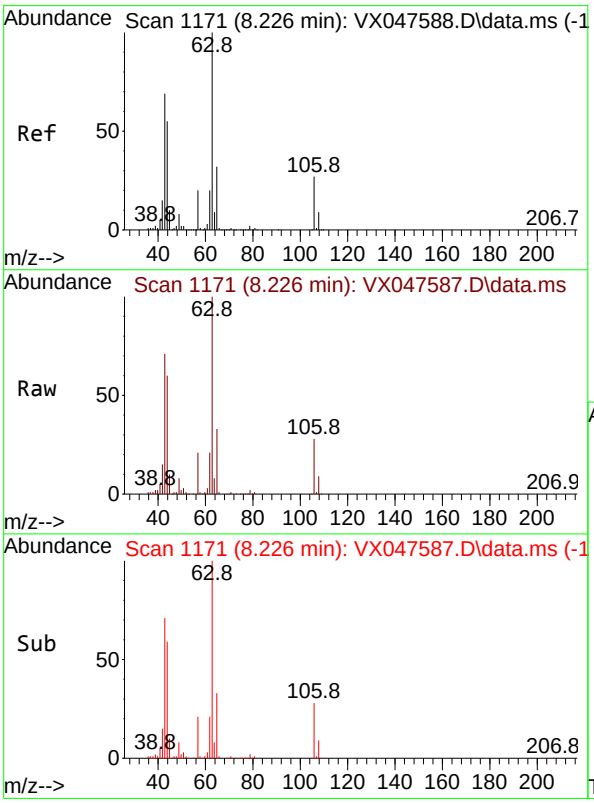
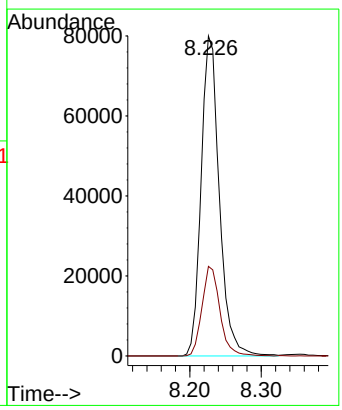


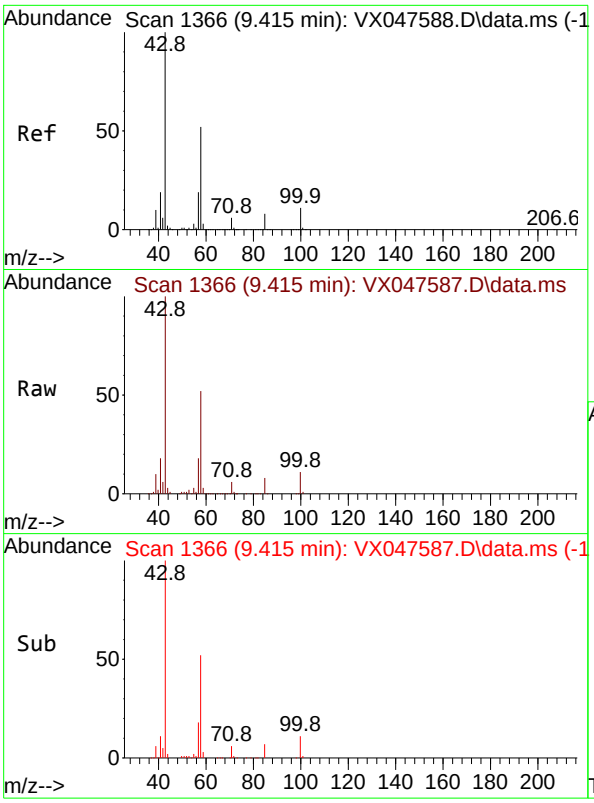




#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 25000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.4 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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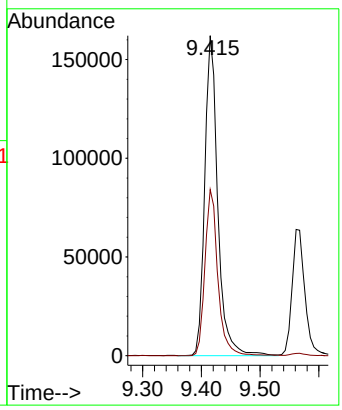
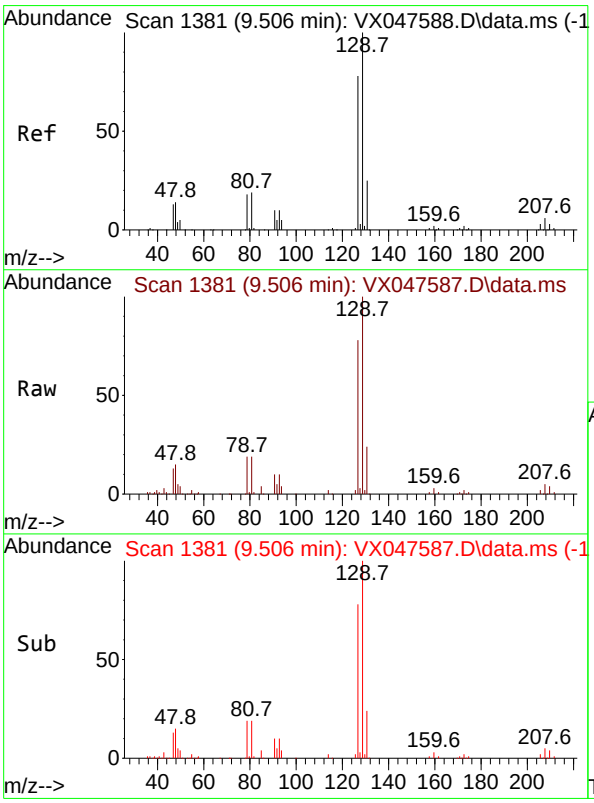
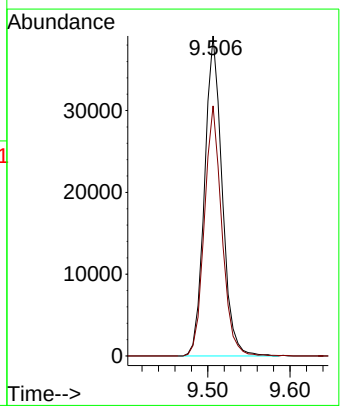


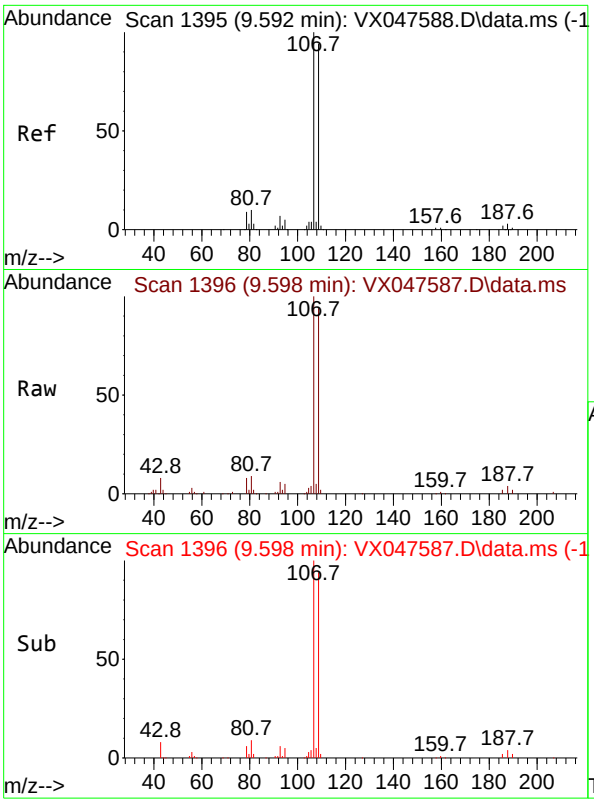




#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |

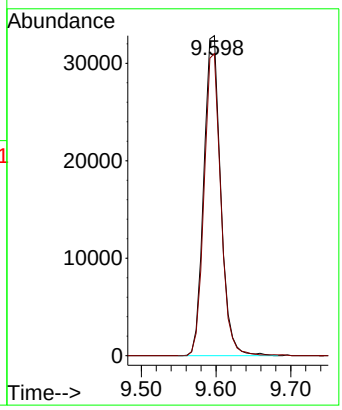





#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:107 Resp: 5161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 75.3 | 112.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

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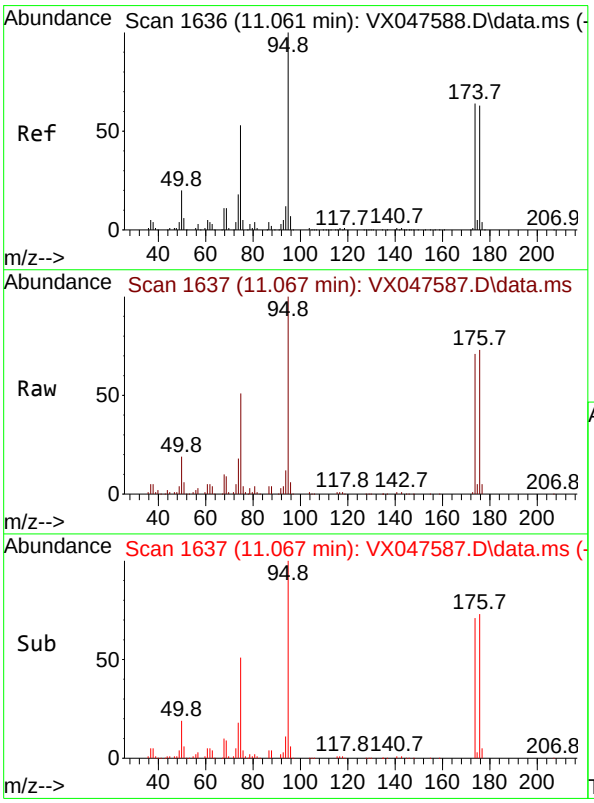
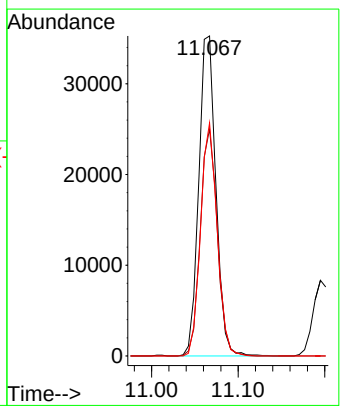
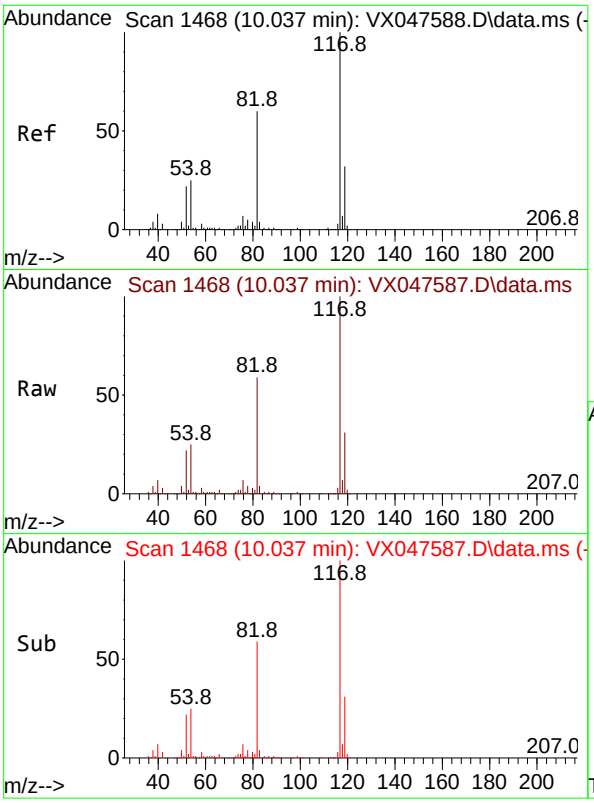



#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.2 | 0.0 | 141.6 |
| 176 | 70.3 | 0.0 | 138.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 29862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.6 | 47.8 | 71.6 |
| 119 | 31.3 | 25.2 | 37.8 |

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VSTDICC020

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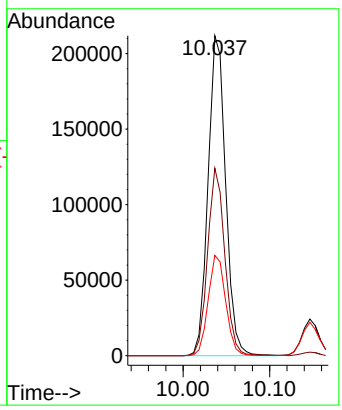
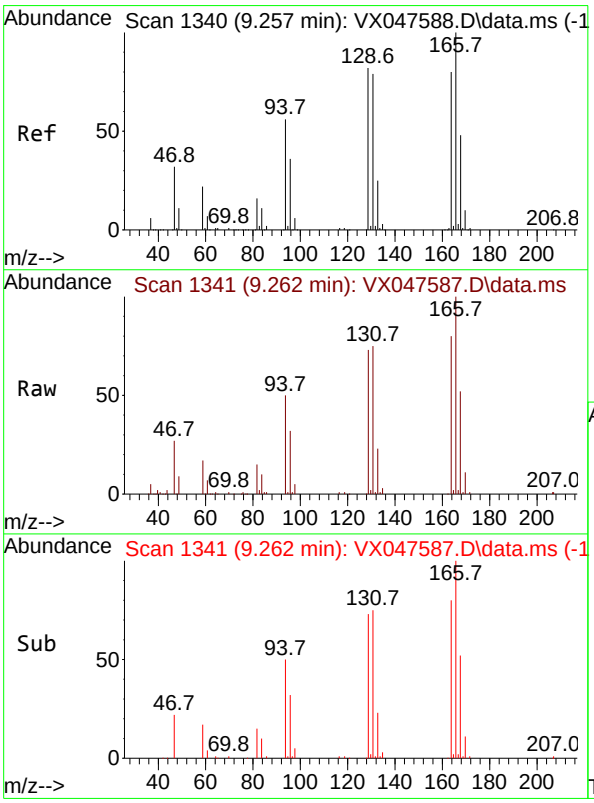
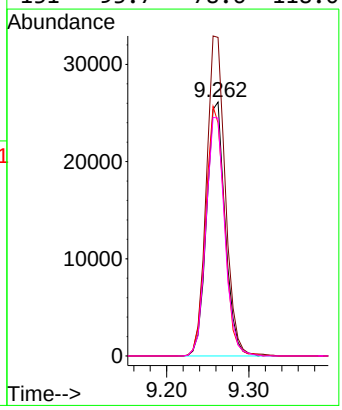


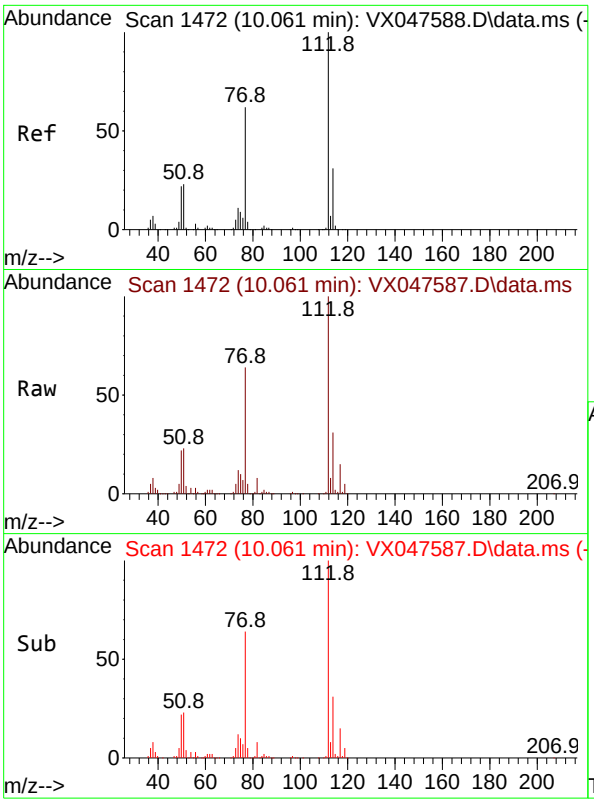




#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 100.2 | 150.2 |
| 129 | 91.8 | 81.8 | 122.6 |
| 131 | 93.7 | 78.6 | 118.0 |






#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:112 Resp: 14064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |

**Instrument :**
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Reviewed By :John Carlone 09/17/2025
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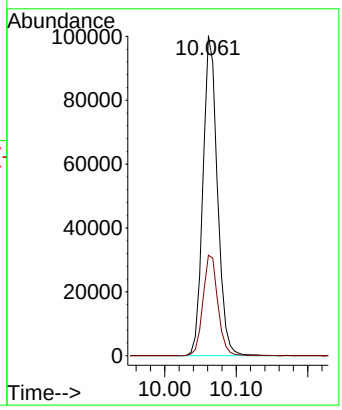
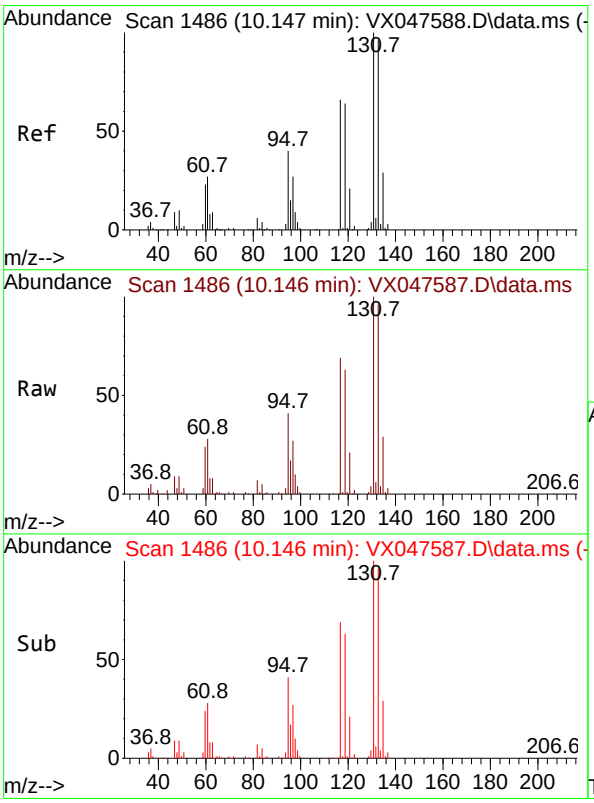
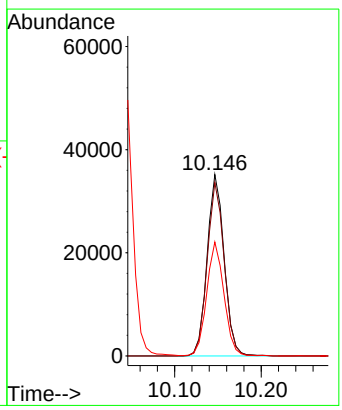


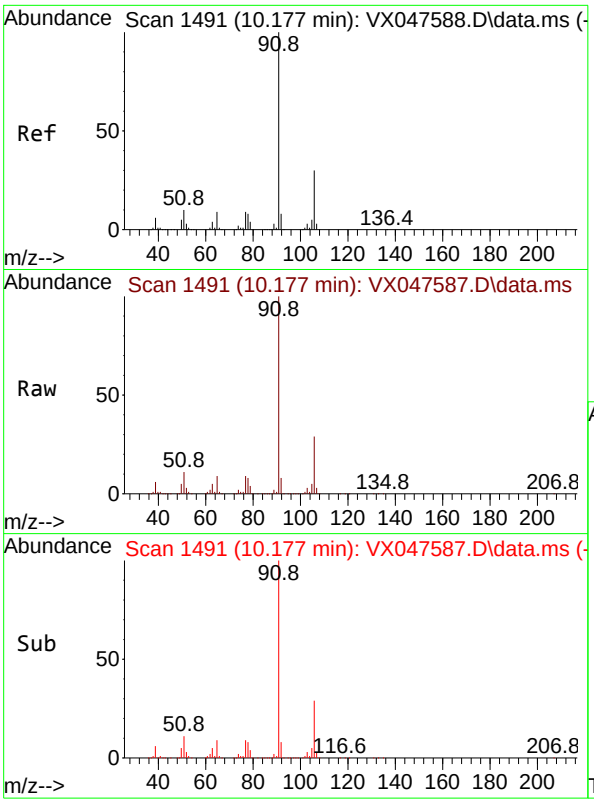




#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.9 | 47.3 | 142.0 |
| 119 | 63.9 | 32.0 | 96.0 |






#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

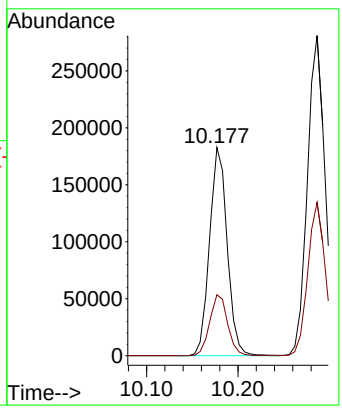
Tgt Ion: 91 Resp: 24473

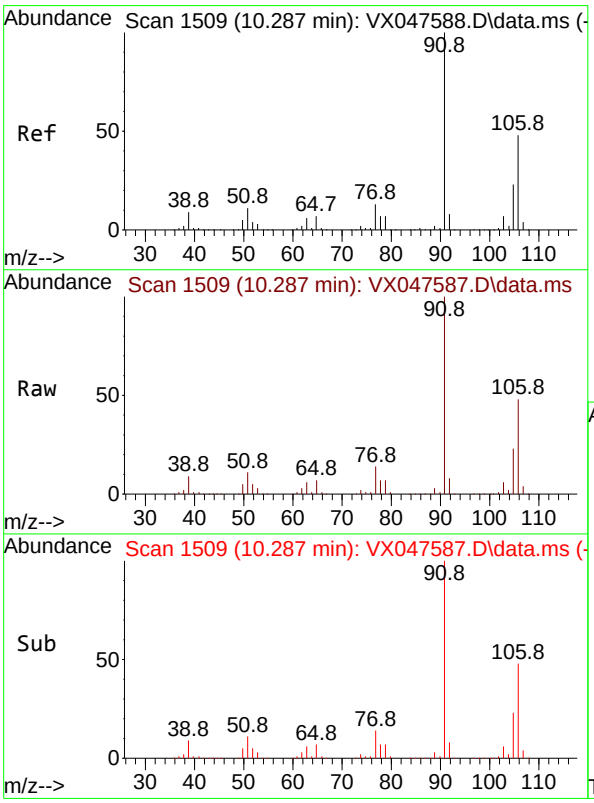
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 24.3 | 36.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

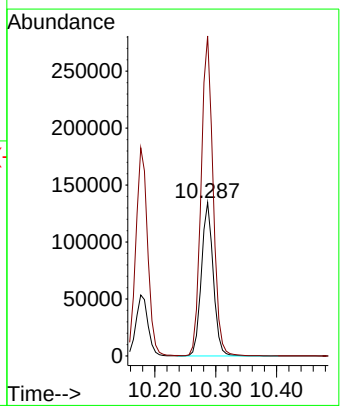


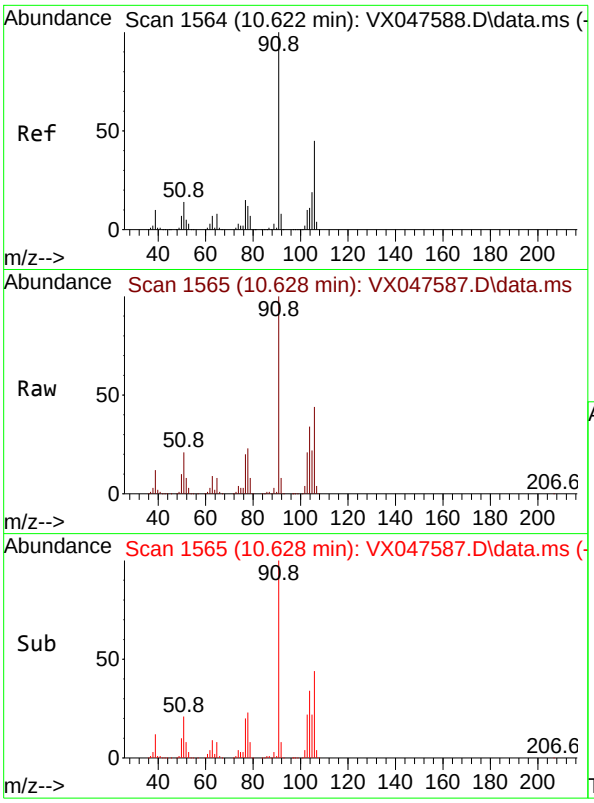




#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.2 | 167.8 | 251.8 |

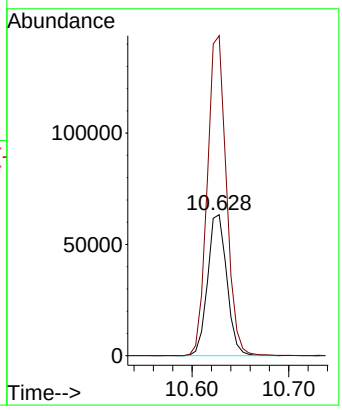





#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 8765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.3 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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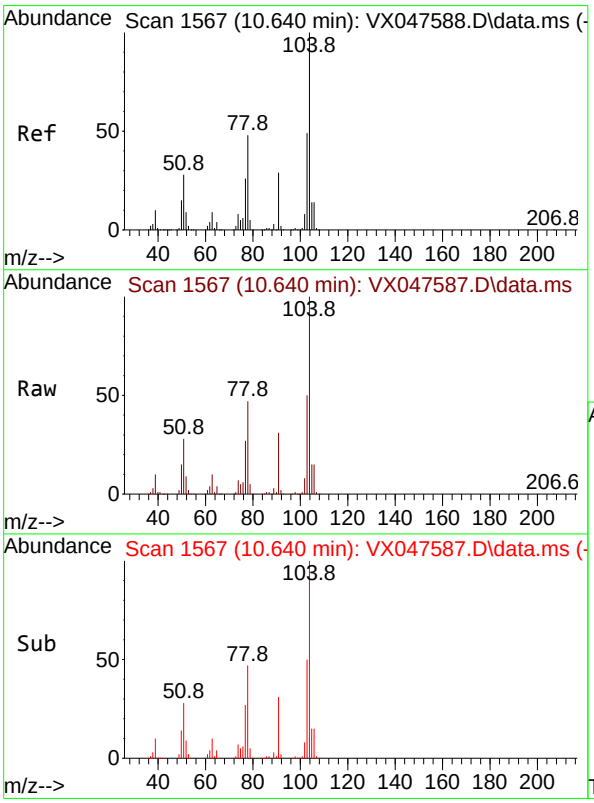
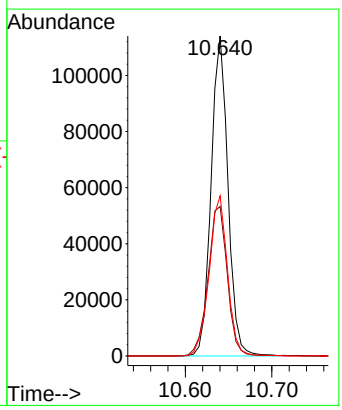
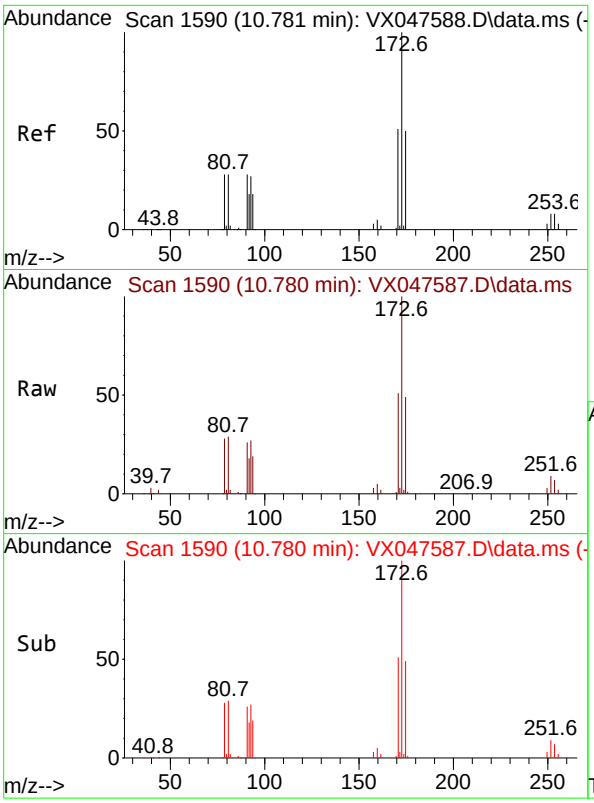



#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.6 | 43.1 | 64.7 |
| 103 | 54.4 | 43.1 | 64.7 |

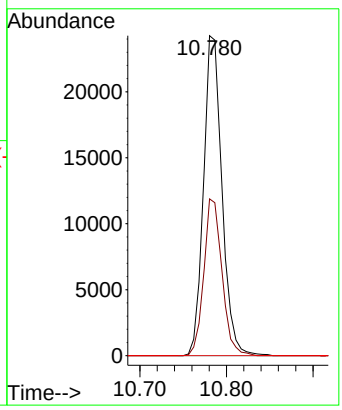





#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:173 Resp: 3592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
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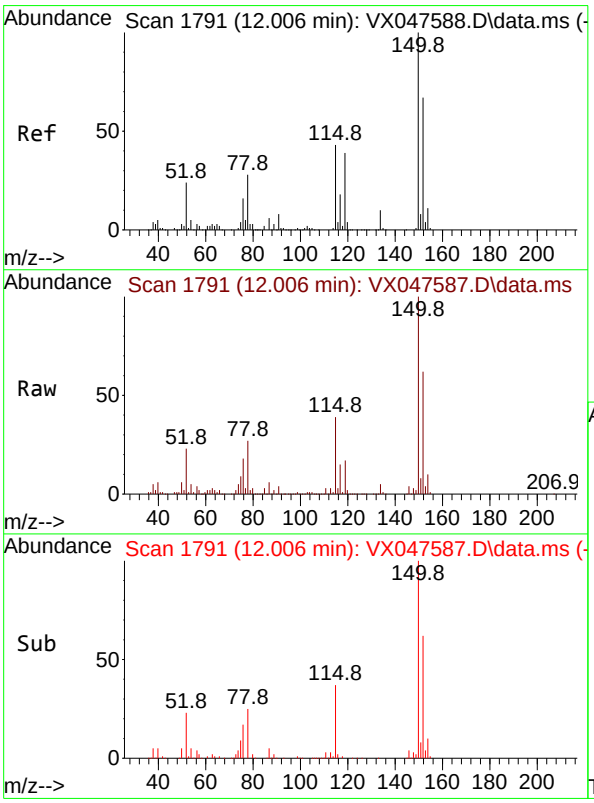
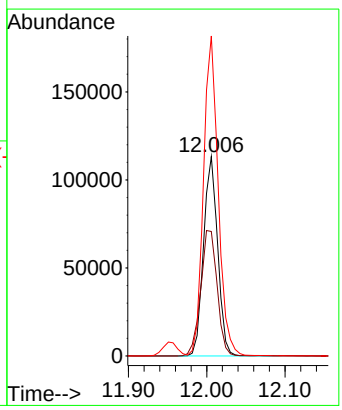
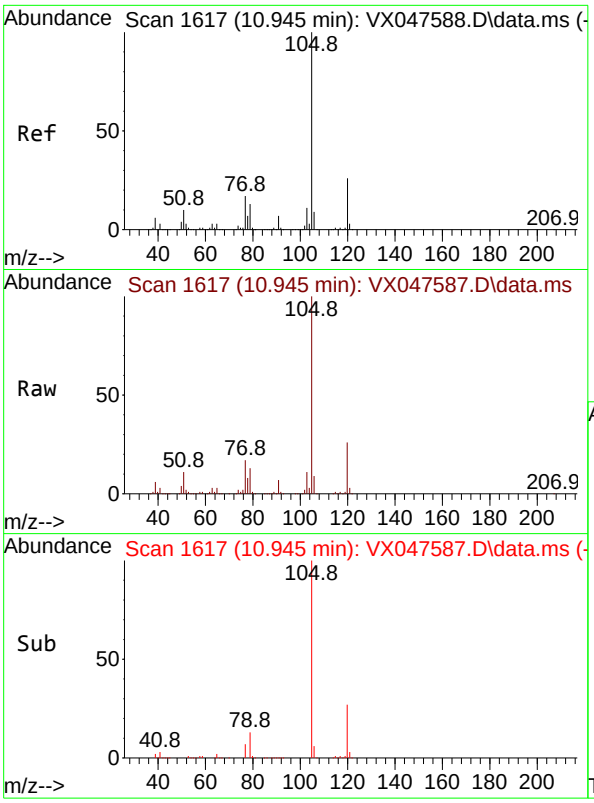



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.2 | 44.9 | 134.5 |
| 150 | 167.1 | 0.0 | 352.0 |

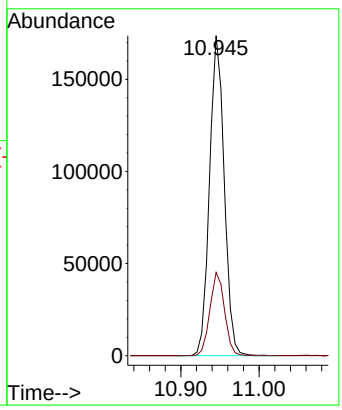





#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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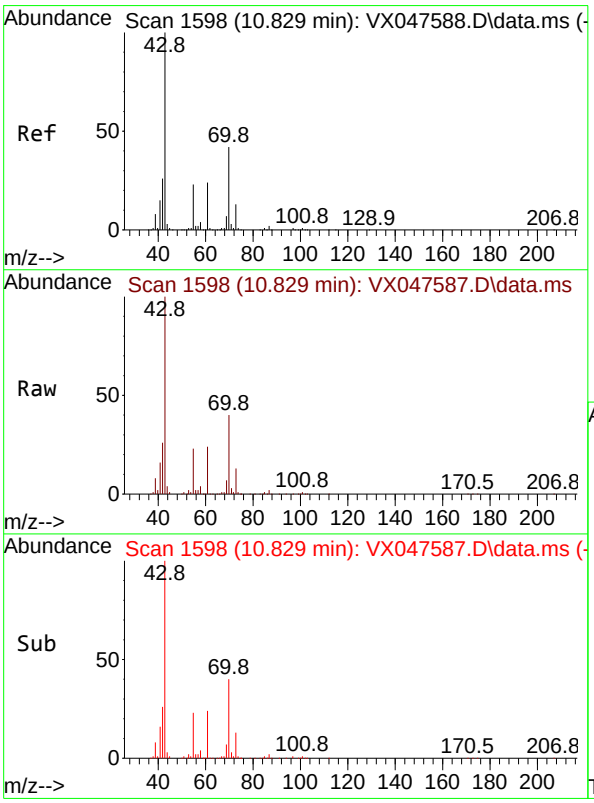
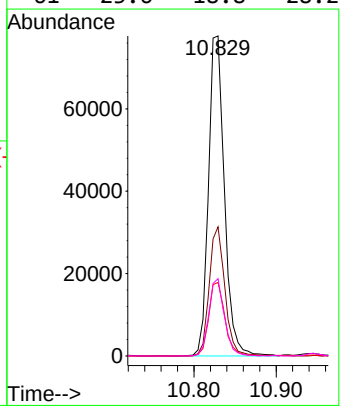
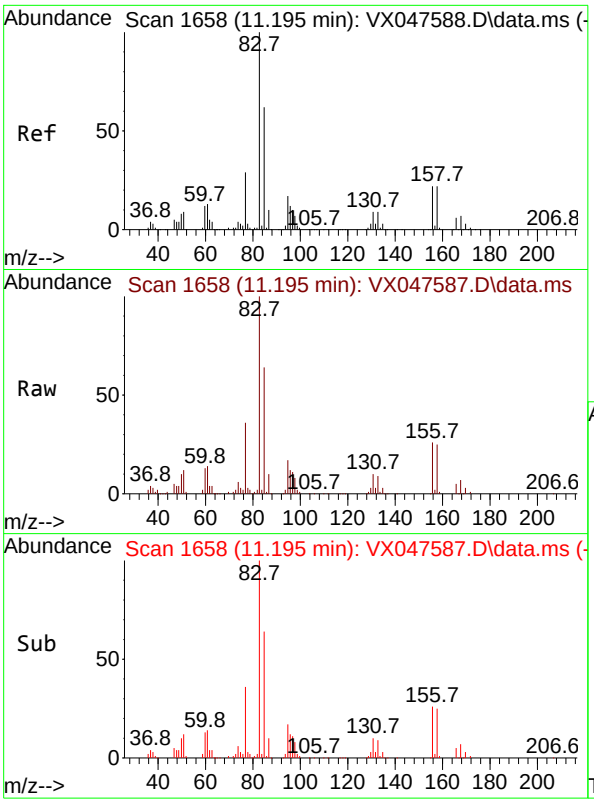



#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.8 | 32.0 | 48.0 |
| 55 | 23.4 | 18.9 | 28.3 |
| 61 | 23.6 | 18.8 | 28.2 |

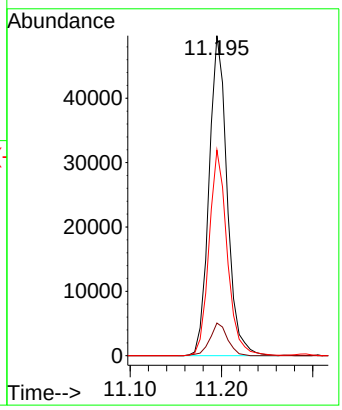





#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 6813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 64.4 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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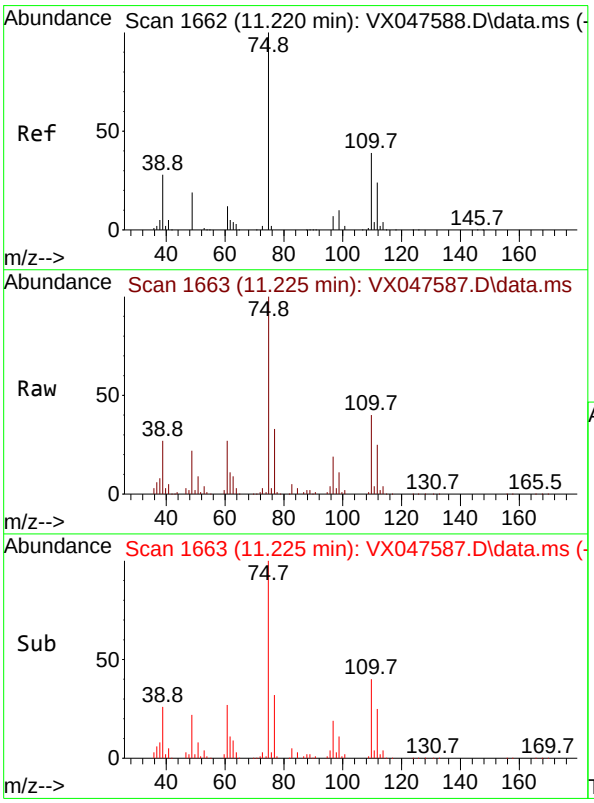
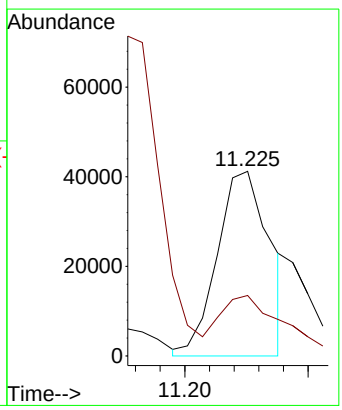
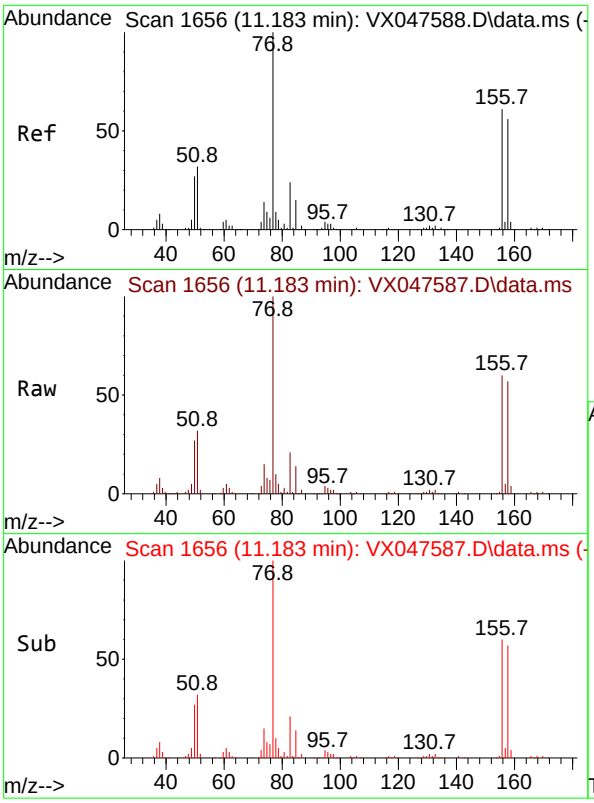



#76
1,2,3-Trichloropropane
Concen: 20.680 ug/l m
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 60797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.6 | 18.8 | 56.4 |

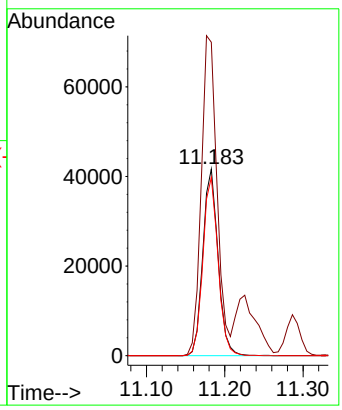





#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:156 Resp: 5616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.4 | 89.7 | 269.1 |
| 158 | 95.2 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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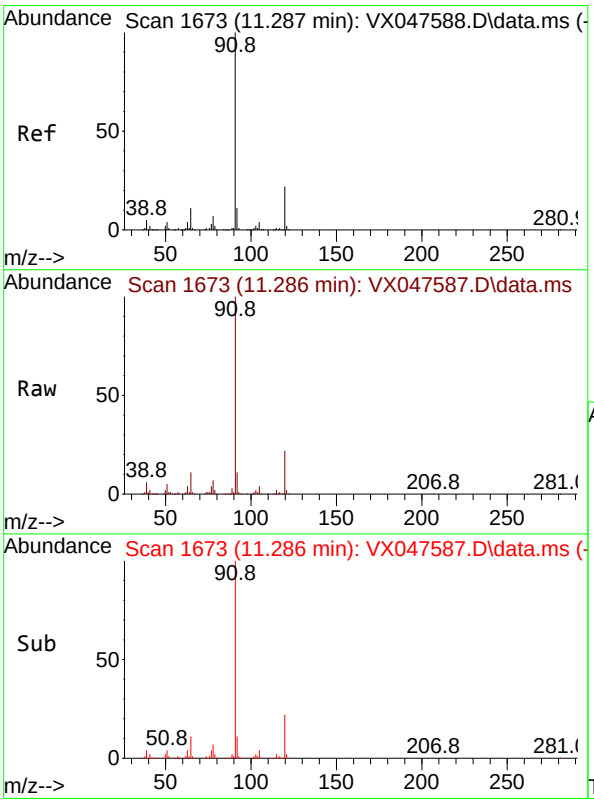
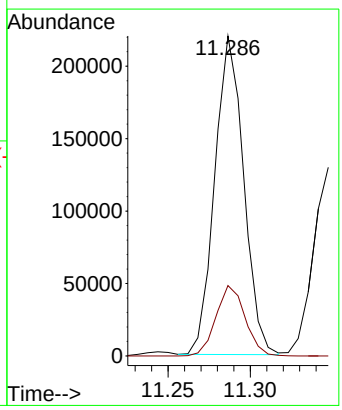
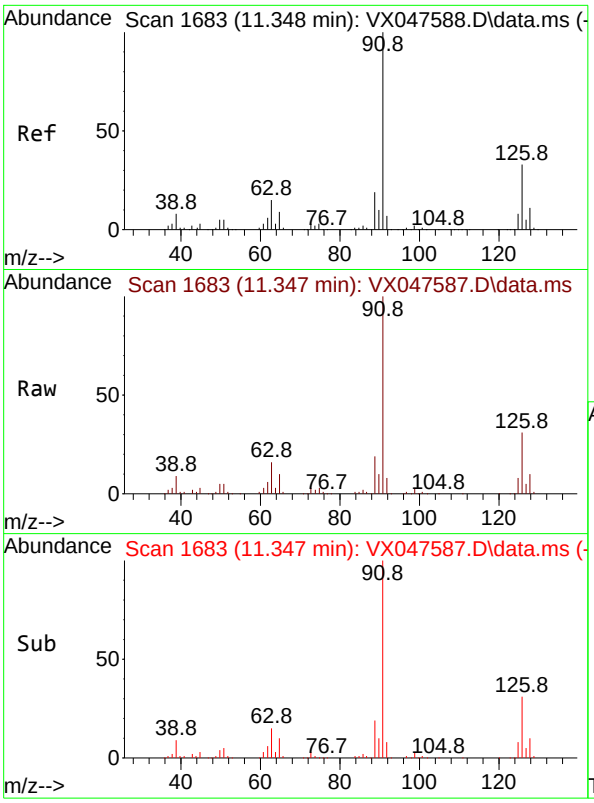



#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 16623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.1 | 16.1 | 48.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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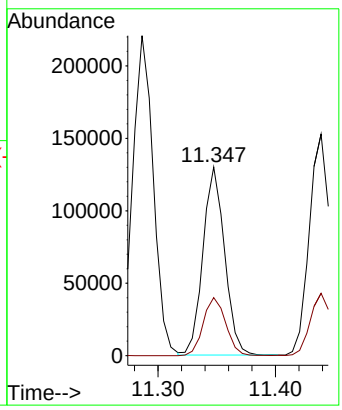
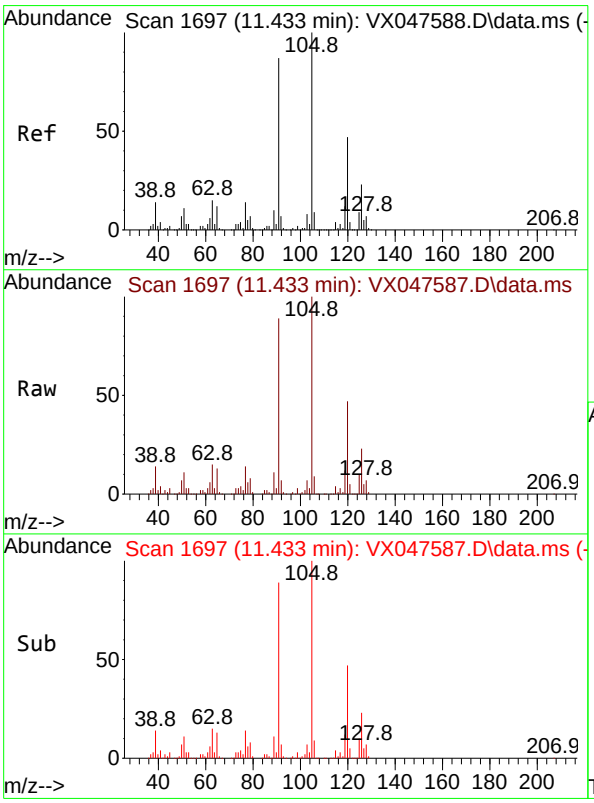
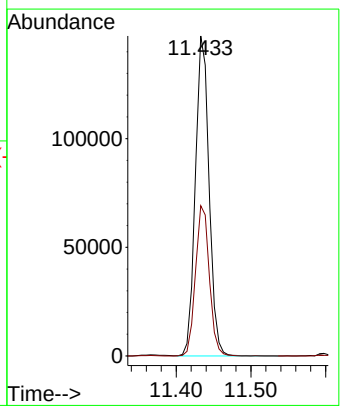


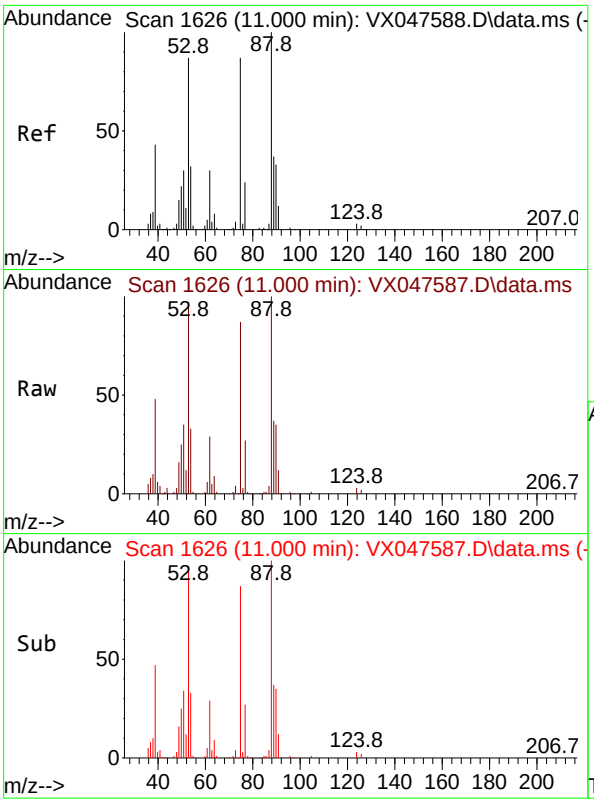




#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 2155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.1 | 83.4 | 125.2 |
| 89 | 47.6 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
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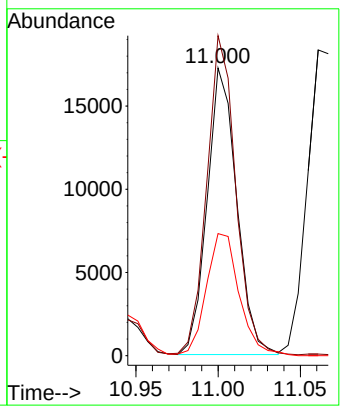
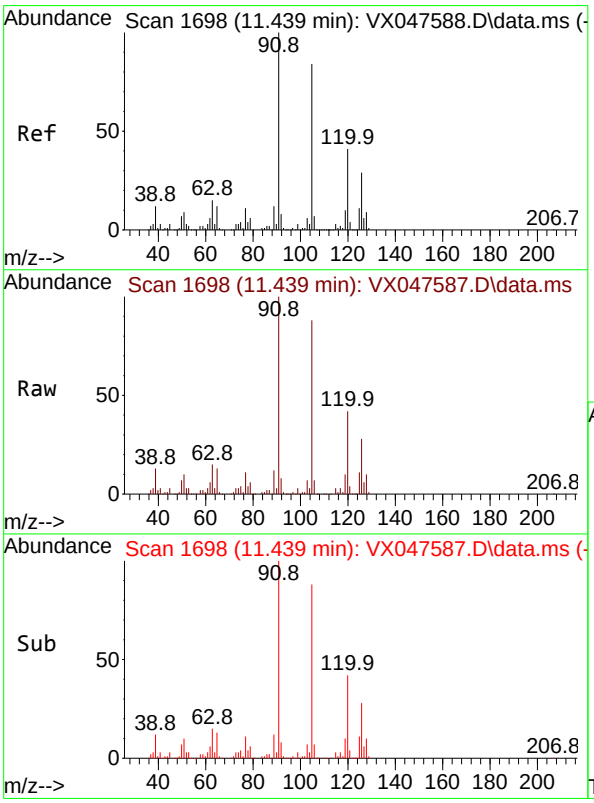
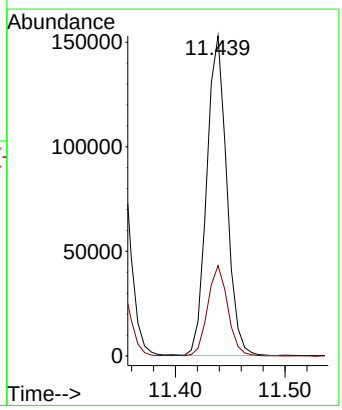


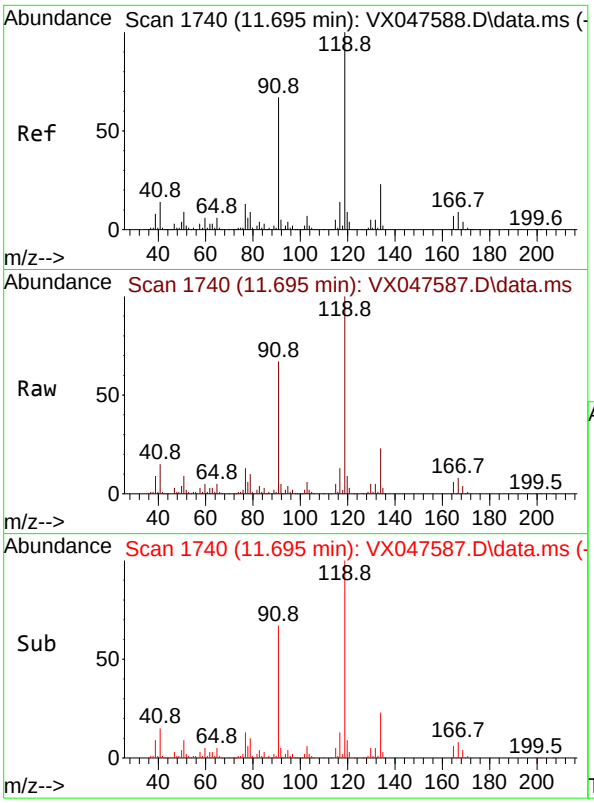




#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.2 | 42.6 |

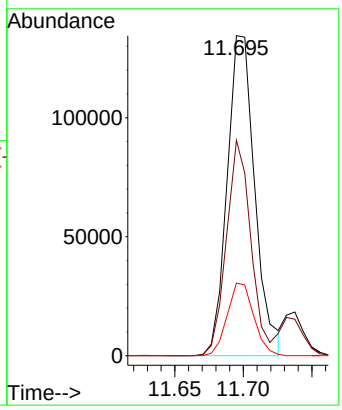





#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 18948

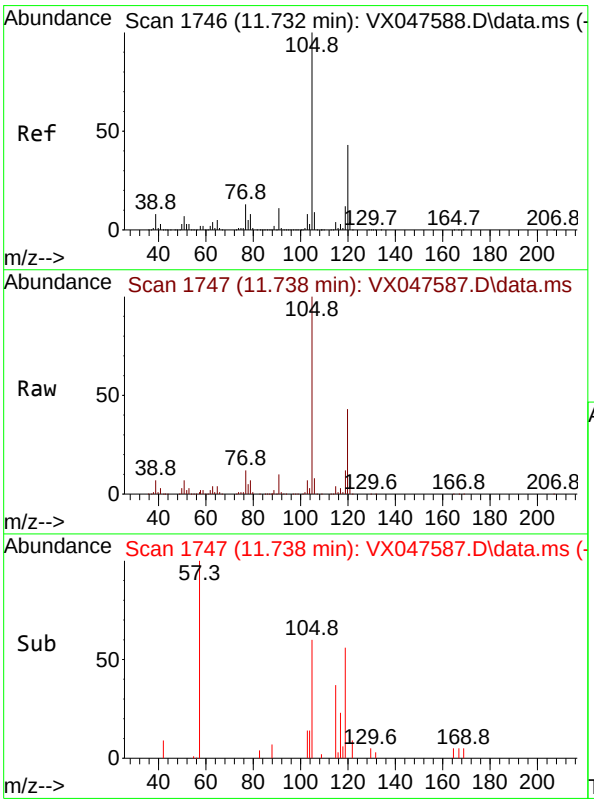
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 21.8 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

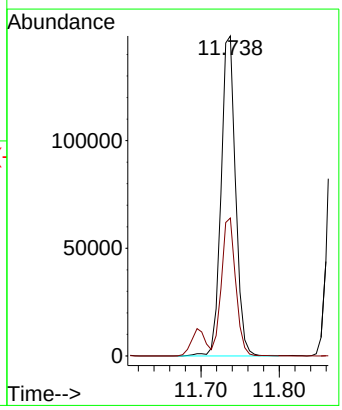
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

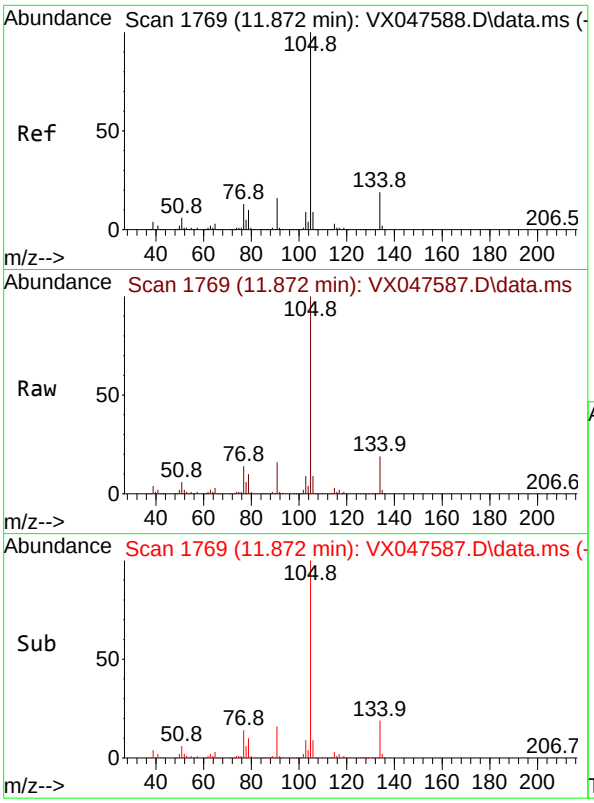



#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 22.1 | 66.1 |

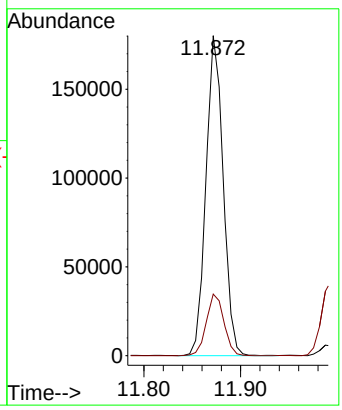





#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 22343

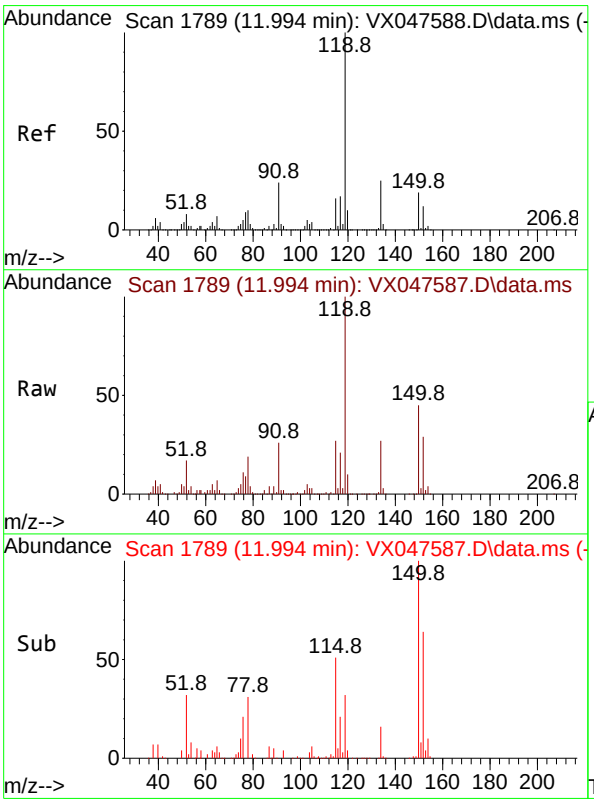
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

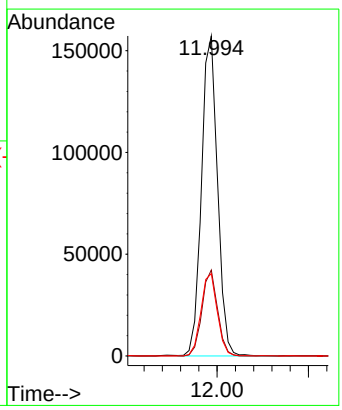
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

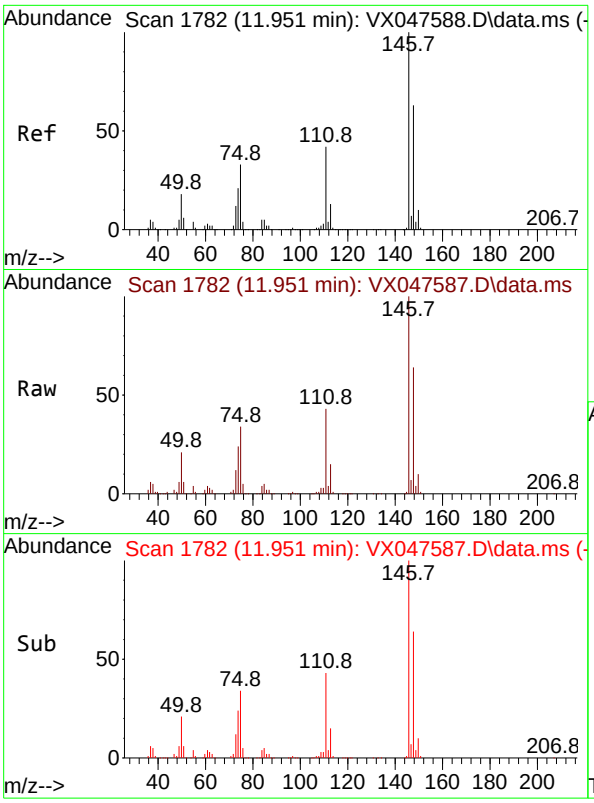



#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.6 | 37.8 |
| 91 | 26.2 | 12.6 | 37.6 |

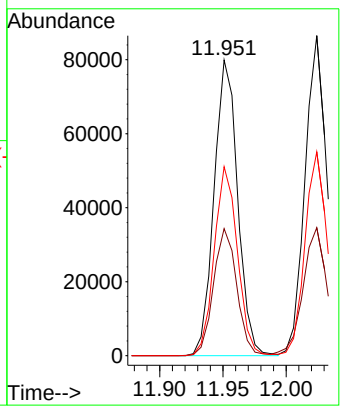





#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 10358

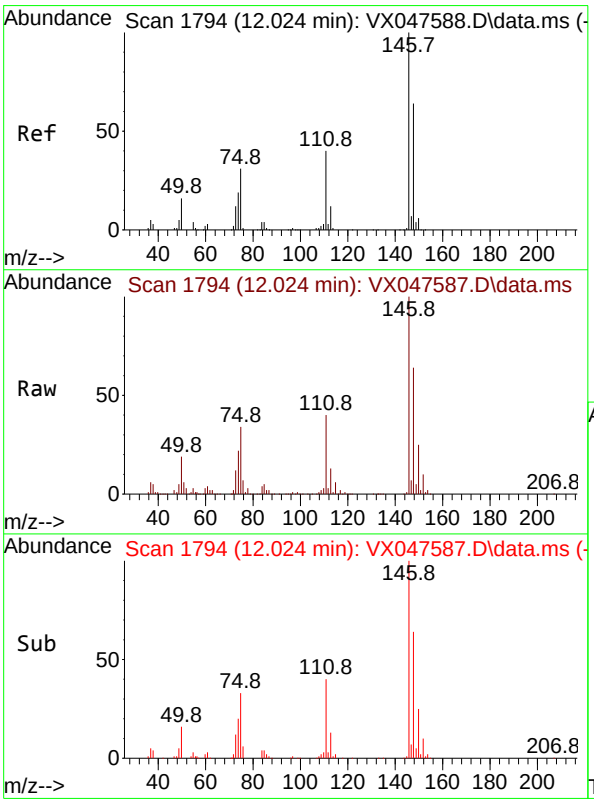
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 62.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

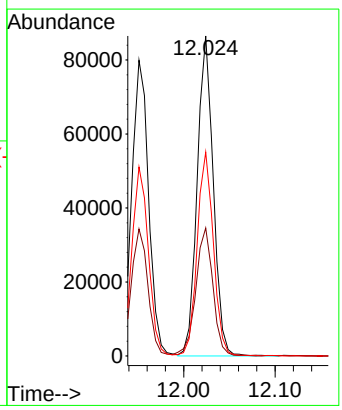
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

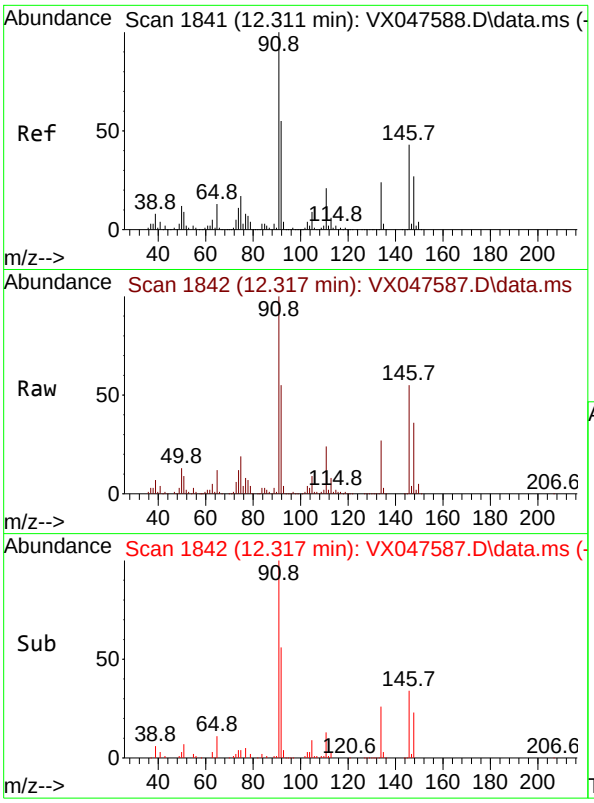



#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 20.8 | 62.4 |
| 148 | 64.4 | 31.7 | 95.1 |

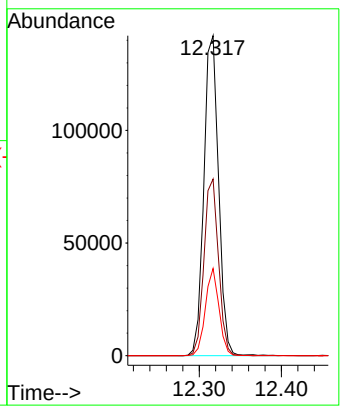





#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 17637

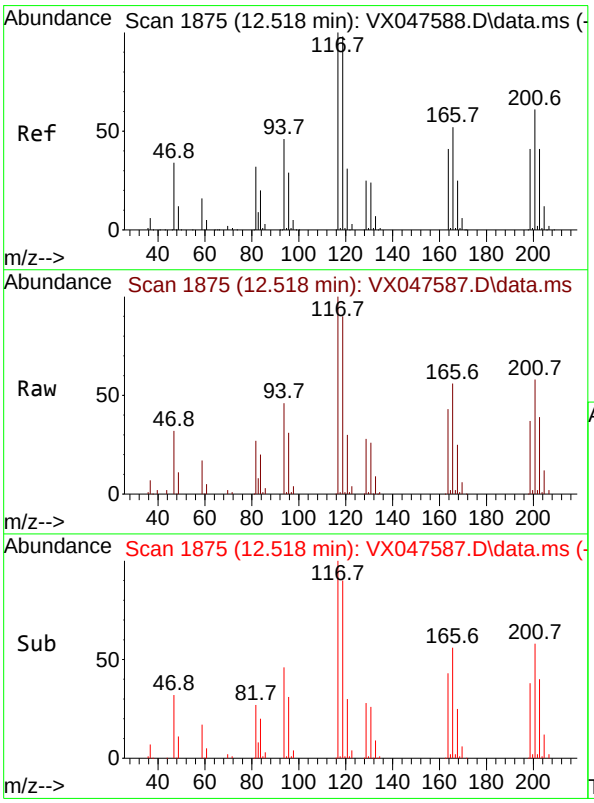
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 27.6 | 82.7 |
| 134 | 25.3 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

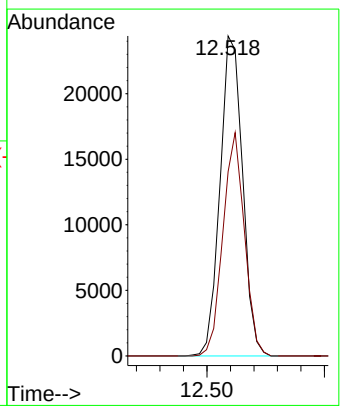
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

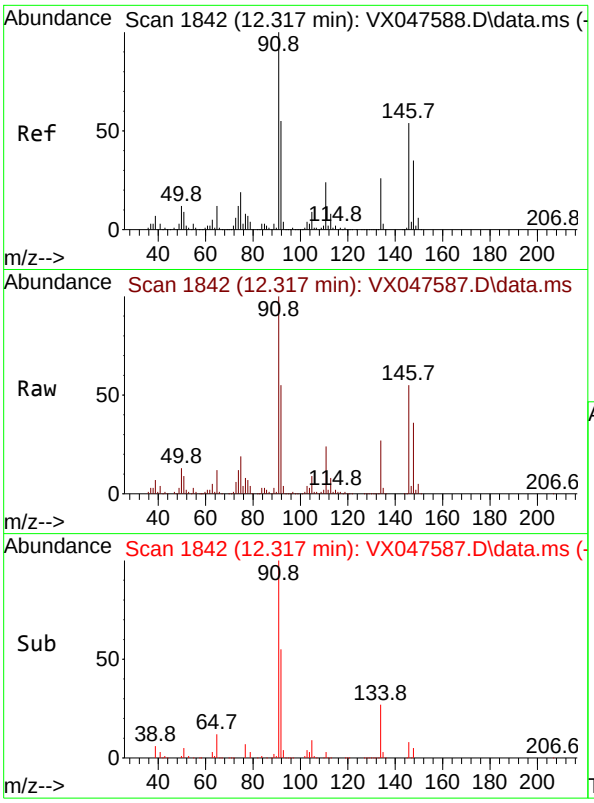



#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.6 | 34.2 | 102.5 |

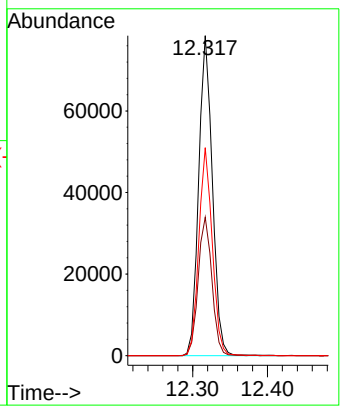





#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 9949

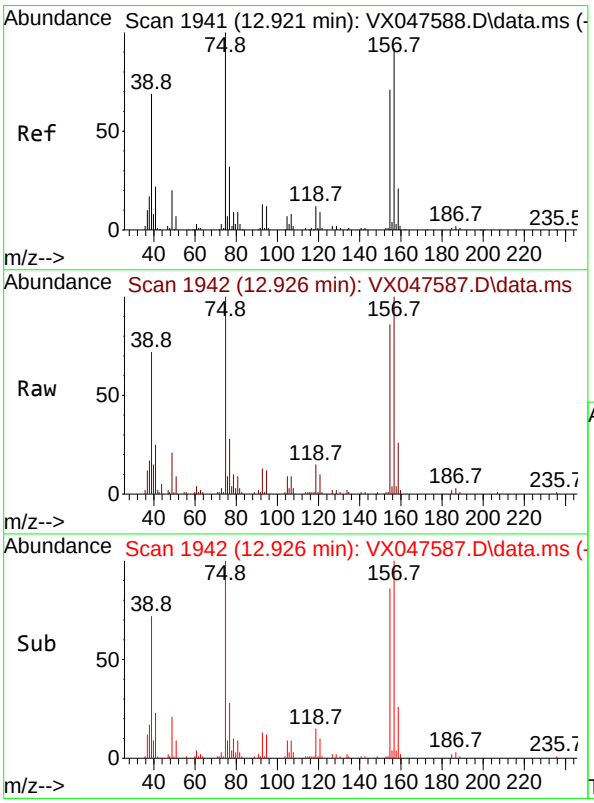
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 22.2 | 66.6 |
| 148 | 63.9 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

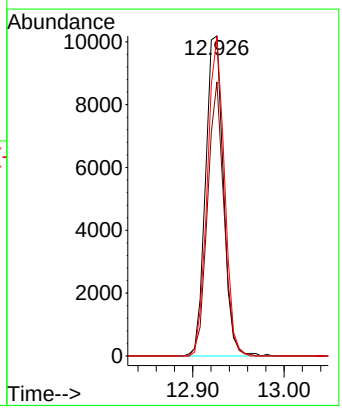
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

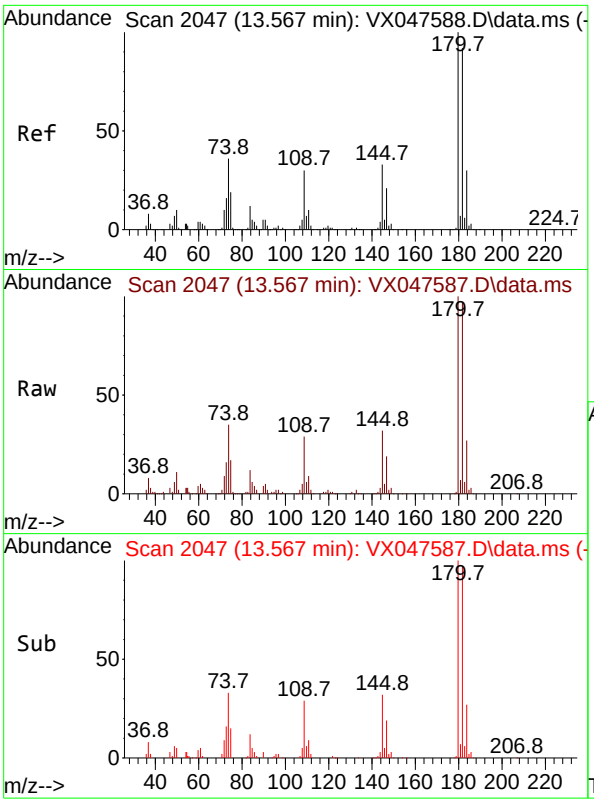



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.8 | 37.7 | 113.1 |
| 157 | 95.9 | 49.8 | 149.4 |

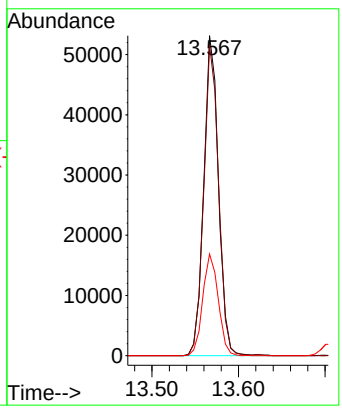





#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 6272

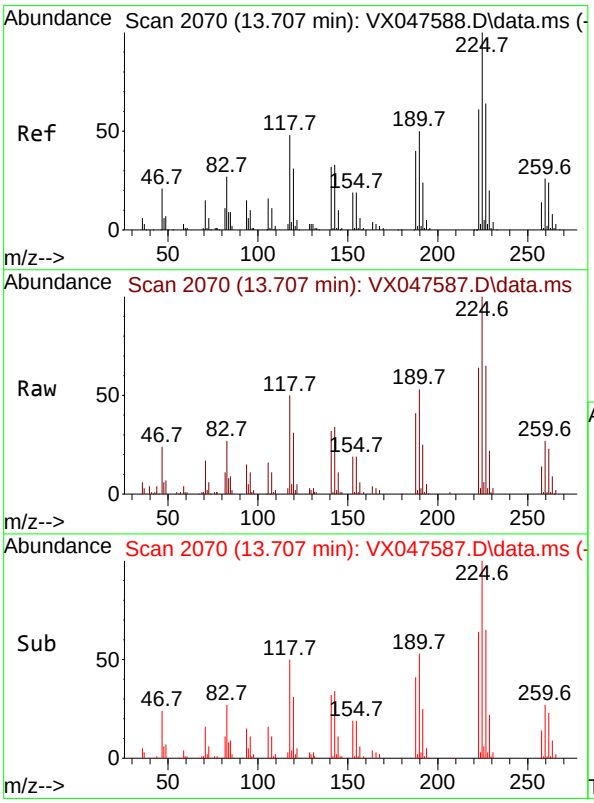
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.8 | 46.6 | 139.8 |
| 145 | 33.4 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

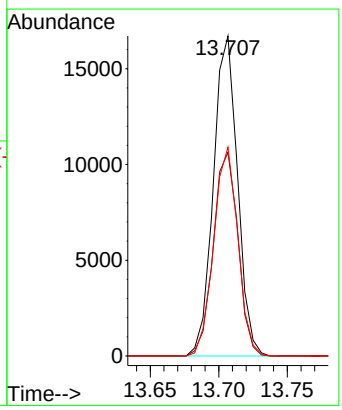
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

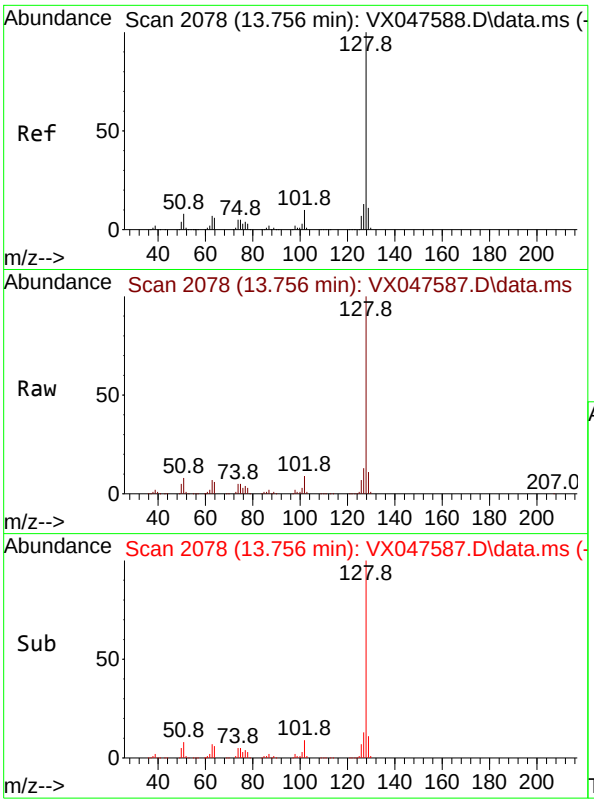



#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.0 | 31.7 | 95.1 |
| 227 | 65.1 | 32.0 | 96.0 |

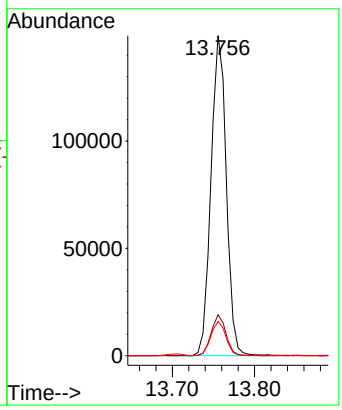





#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:128 Resp: 19313

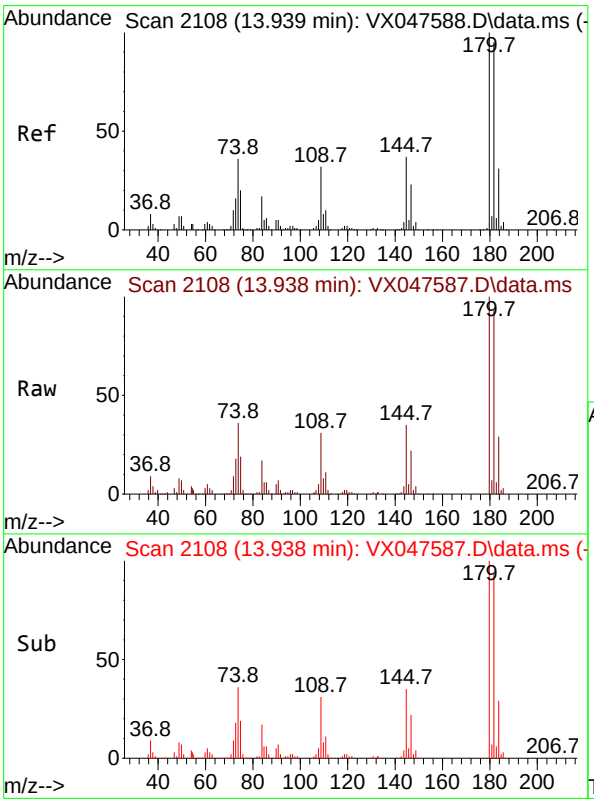
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.3 | 10.2 | 15.2 |
| 129 | 10.5 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

**Manual Integrations**
**APPROVED**

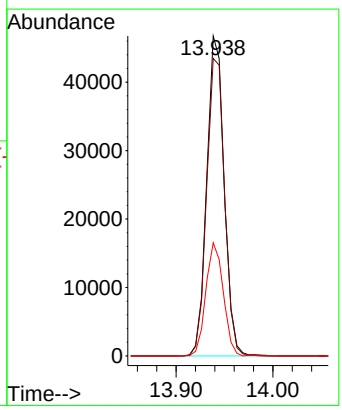
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.6 | 142.8 |
| 145 | 35.5 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 173407 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 307383 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 270040 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 127732 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 133606 | 48.404 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 96.800% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 101627 | 49.298 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.600% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 352578 | 49.428 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.860% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 131217 | 48.471 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 96.940% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 86824 | 48.352 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 114682 | 48.594 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 114666 | 49.635 | ug/l | 100 |
| 5) Bromomethane | 1.618 | 94 | 73561 | 50.216 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 76736 | 49.698 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 172561 | 50.307 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 70874 | 50.510 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 101178 | 50.445 | ug/l | 100 |
| 10) Methyl Iodide | 2.459 | 142 | 158046 | 50.525 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.941 | 59 | 77232 | 251.232 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 104724 | 50.831 | ug/l | 100 |
| 13) Acrolein | 2.239 | 56 | 70721 | 249.645 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 210001 | 49.396 | ug/l | 100 |
| 15) Acrylonitrile | 3.063 | 53 | 300642 | 264.027 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 275065 | 229.193 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 271480 | 48.133 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 151968 | 56.897 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 389607 | 51.804 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 126506 | 49.798 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 112553 | 50.743 | ug/l | 100 |
| 22) Diisopropyl ether | 3.758 | 45 | 429524 | 52.131 | ug/l | 100 |
| 23) Vinyl Acetate | 3.715 | 43 | 1726735 | 261.852 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 224824 | 51.338 | ug/l | 100 |
| 25) 2-Butanone | 4.538 | 43 | 380335 | 254.060 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 185247 | 50.888 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 140105 | 51.576 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 99991 | 52.301 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.989 | 42 | 238677 | 265.026 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 229430 | 51.844 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 178546 | 48.952 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 195407 | 52.058 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 149800 | 49.729 | ug/l | 100 |
| 37) Ethyl Acetate | 4.702 | 43 | 163482 | 50.687 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 165730 | 50.637 | ug/l | 100 |
| 39) Methylcyclohexane | 7.367 | 83 | 173610 | 50.773 | ug/l | 100 |
| 40) Benzene | 6.025 | 78 | 468136 | 51.167 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 87761 | 52.707 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 179037 | 51.431 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 275572 | 52.096 | ug/l | | 100 |
| 44) Trichloroethene | 7.111 | 130 | 113832 | 51.463 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 122109 | 52.122 | ug/l | | 100 |
| 46) Dibromomethane | 7.568 | 93 | 88505 | 51.914 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.806 | 83 | 186540 | 53.025 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.678 | 41 | 138167 | 52.438 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.647 | 88 | 29496 | 1107.698 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 784978 | 267.650 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 288853 | 51.244 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 190282 | 53.027 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 200859 | 52.369 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 112837 | 51.915 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.104 | 69 | 184087 | 53.930 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 195989 | 52.492 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 418707 | 256.309 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 553313 | 262.683 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.506 | 129 | 133737 | 53.401 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 116462 | 52.607 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.257 | 164 | 88149 | 50.074 | ug/l | | 100 |
| 65) Chlorobenzene | 10.061 | 112 | 317982 | 51.833 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 111849 | 52.835 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 550610 | 52.017 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 412932 | 104.809 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 202291 | 53.084 | ug/l | | 100 |
| 70) Styrene | 10.640 | 104 | 350654 | 52.515 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 84485 | 53.447 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 516891 | 53.227 | ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 237846 | 53.710 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 156454 | 53.251 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 144074m | 54.322 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 126174 | 52.754 | ug/l | | 100 |
| 78) n-propylbenzene | 11.287 | 91 | 612035 | 53.315 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 372397 | 52.965 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 426989 | 53.518 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 52927 | 52.190 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 438502 | 52.806 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 429107 | 52.539 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 427073 | 52.798 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 514442 | 53.029 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 436704 | 53.172 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 232038 | 52.232 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 233975 | 51.316 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 400997 | 52.766 | ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 75800 | 52.567 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 222993 | 52.688 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.921 | 75 | 32451 | 54.554 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 147670 | 53.685 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 49061 | 52.510 | ug/l | | 100 |
| 95) Naphthalene | 13.756 | 128 | 452013 | 53.966 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 138978 | 54.316 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
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\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
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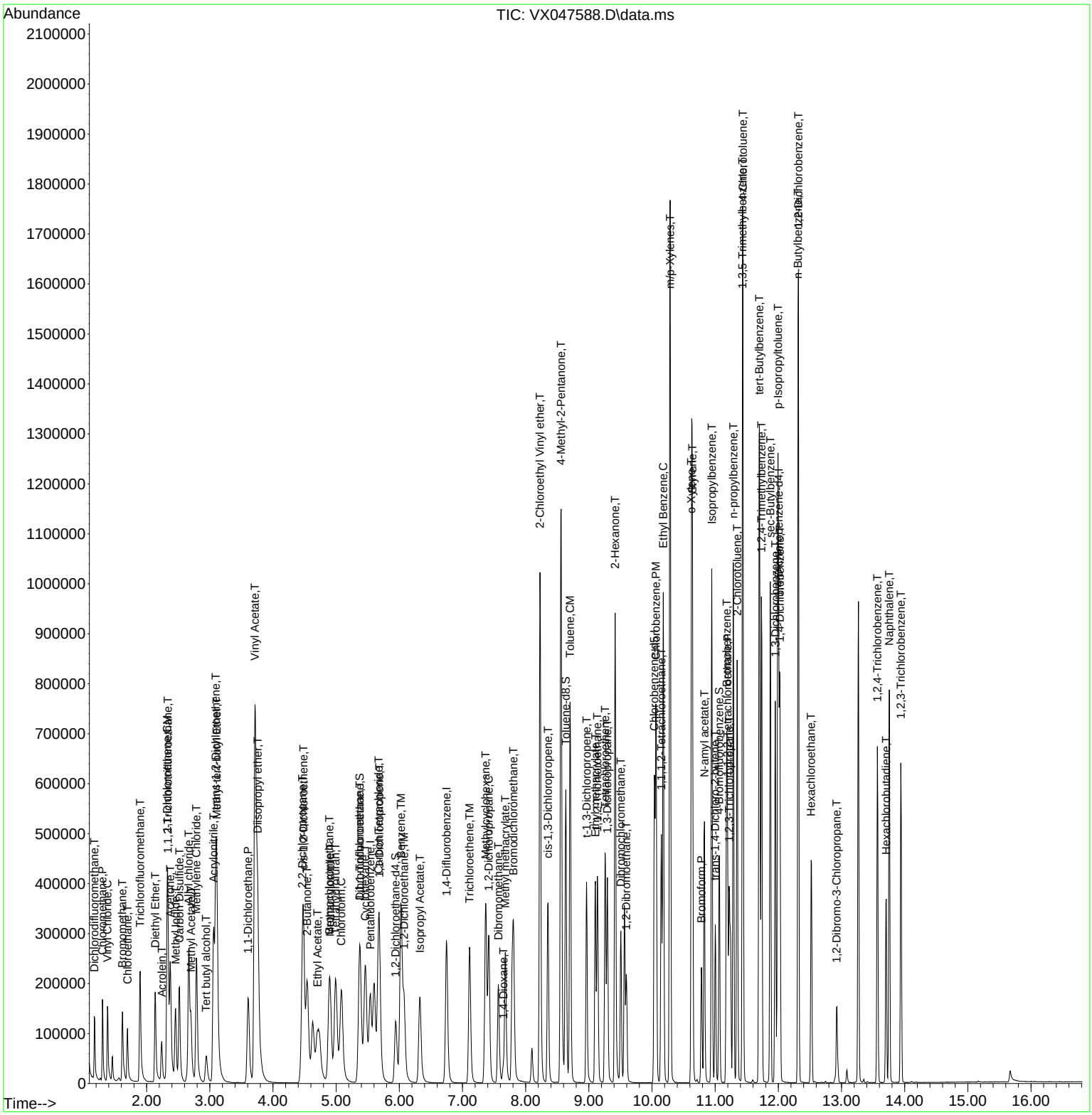
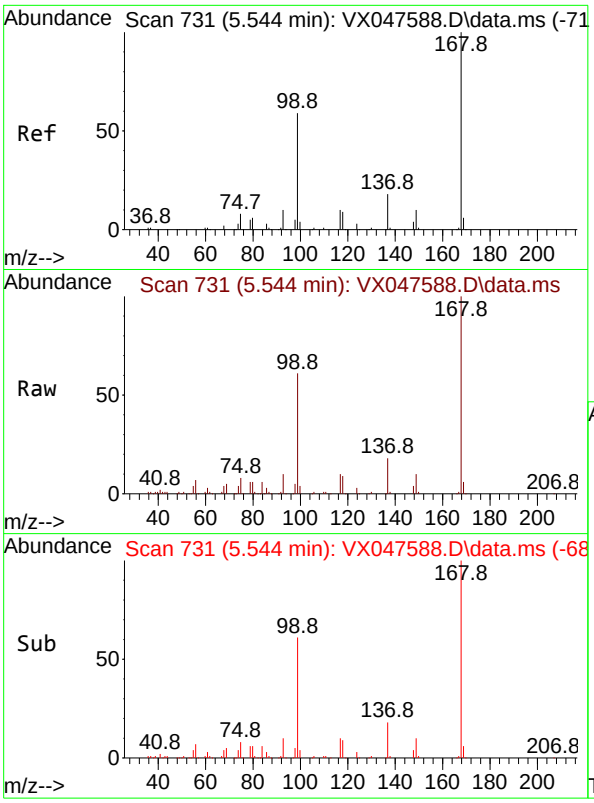
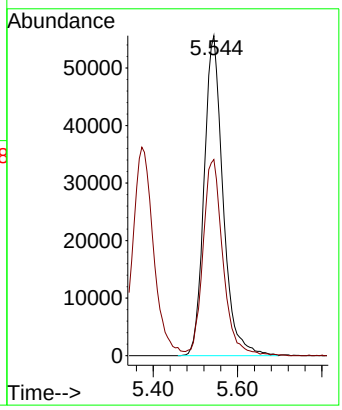





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:168 Resp: 17340

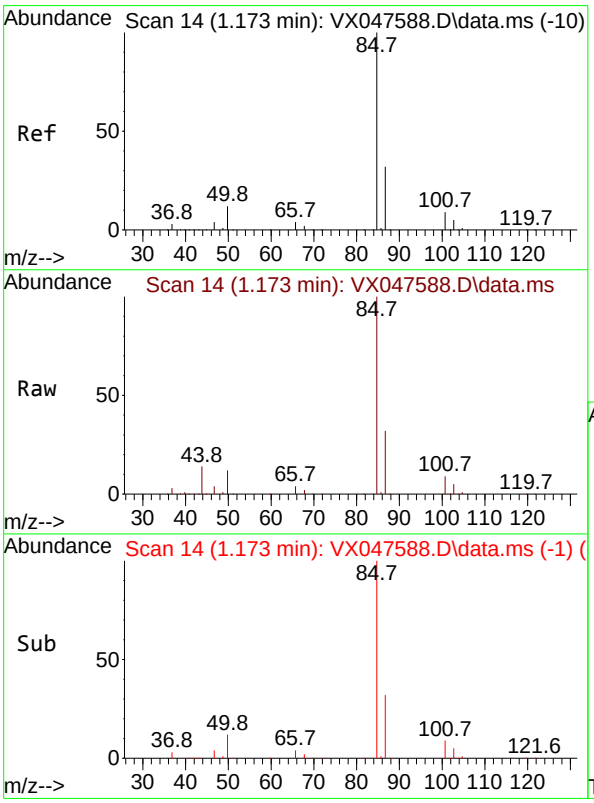
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.0 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

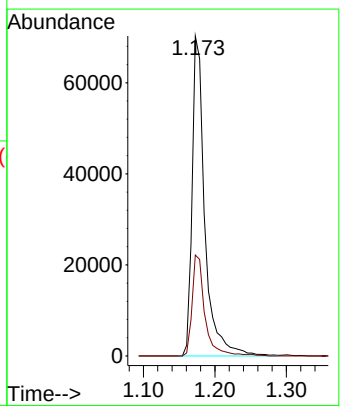
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

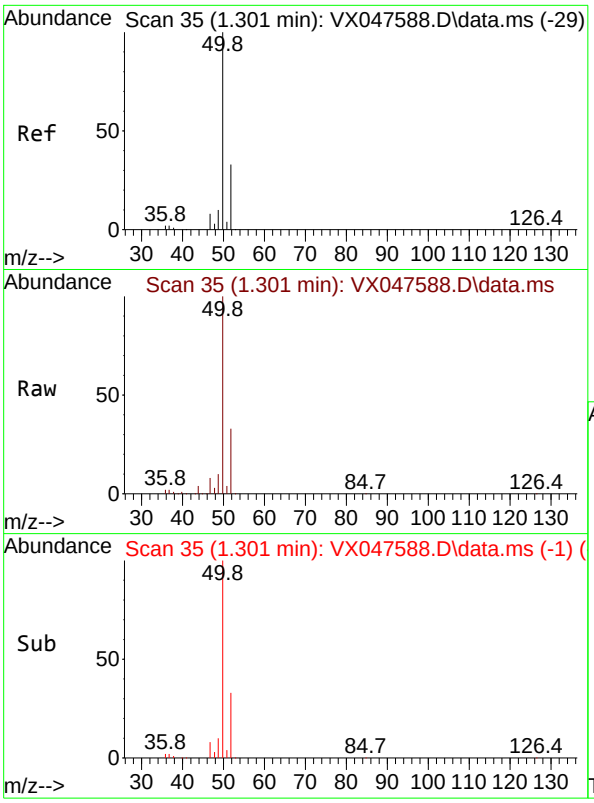



#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.8 | 47.3 |

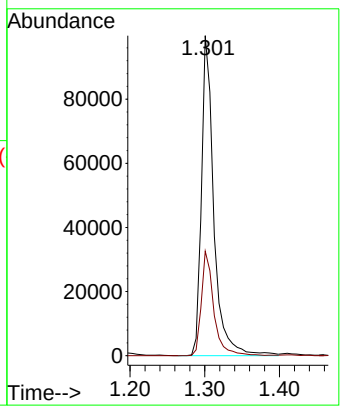





#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 50 Resp: 11468

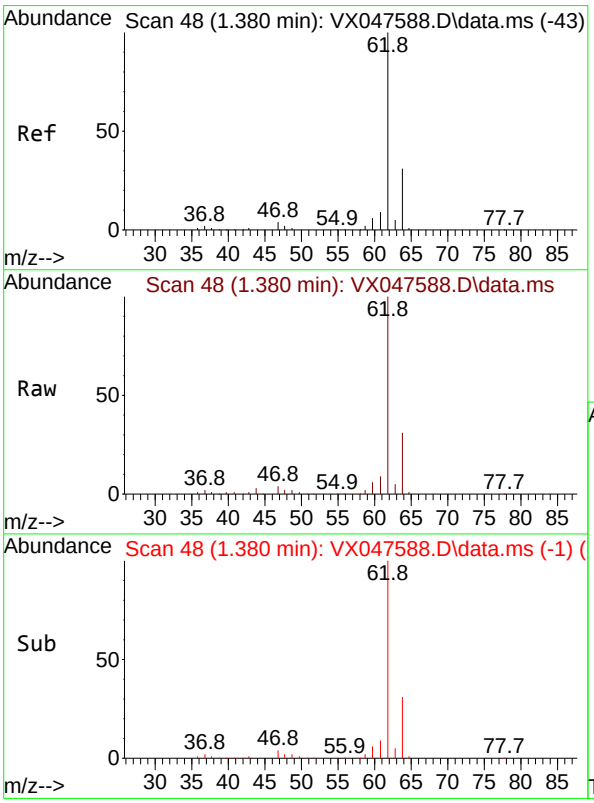
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

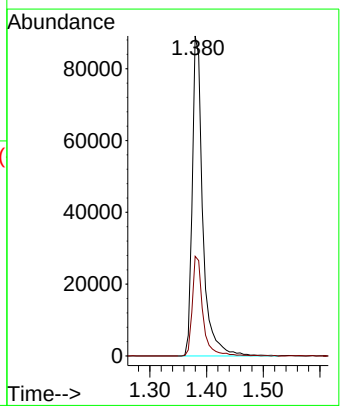
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

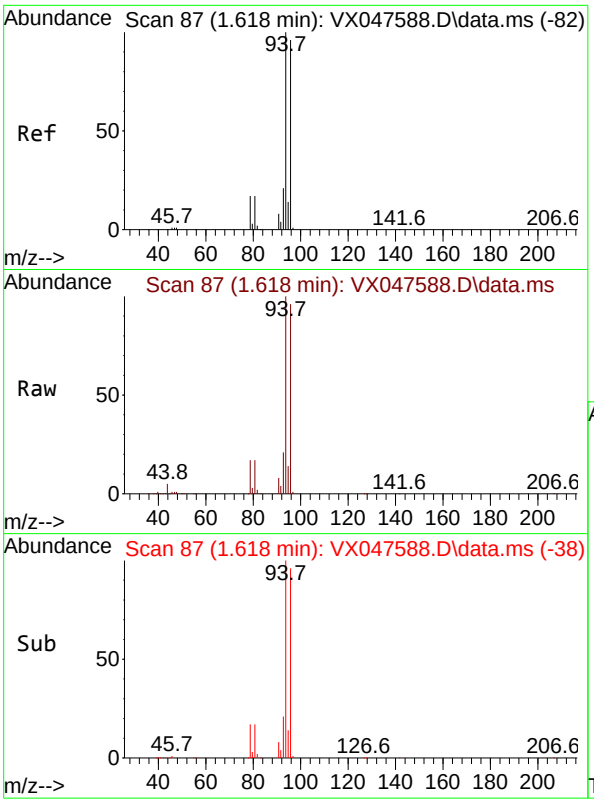



#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 24.9 | 37.3 |

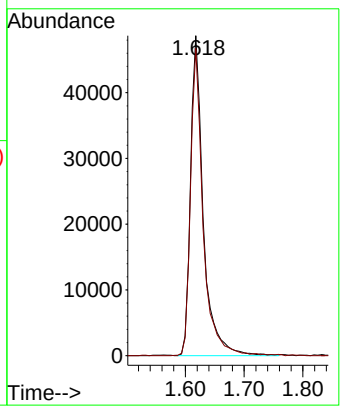





#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 94 Resp: 7356

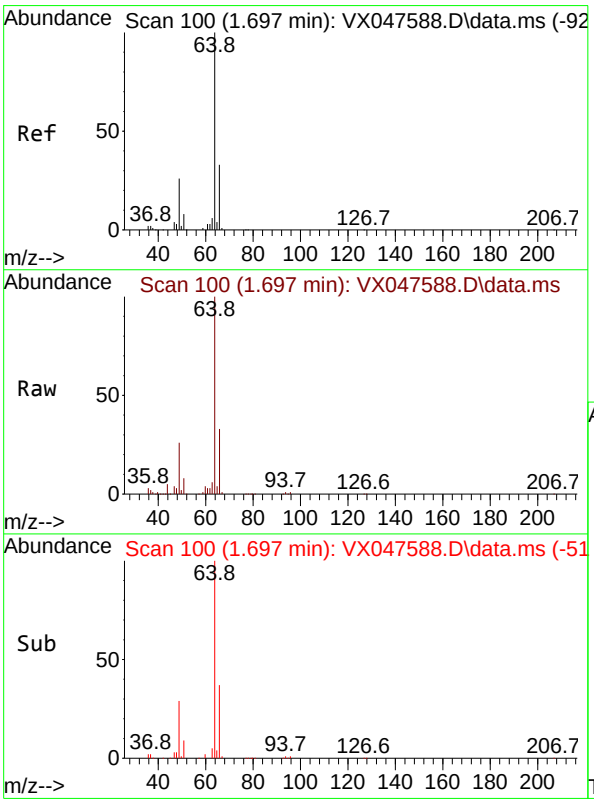
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

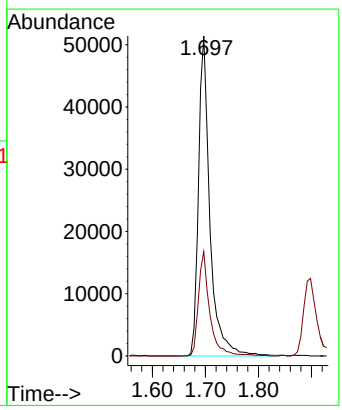
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

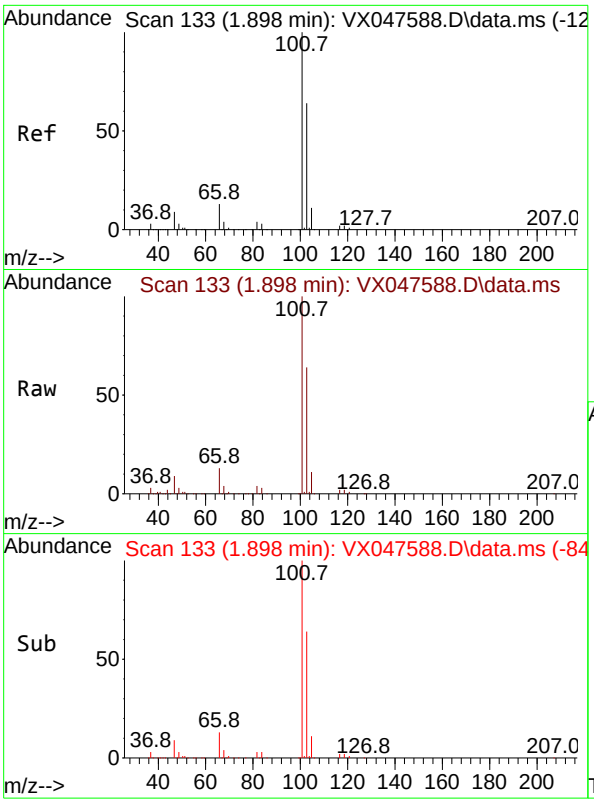



#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 26.1 | 39.1 |






#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 17256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 51.4 | 77.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

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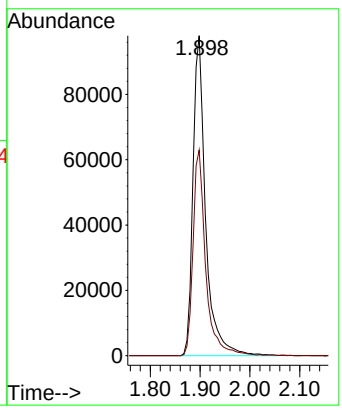
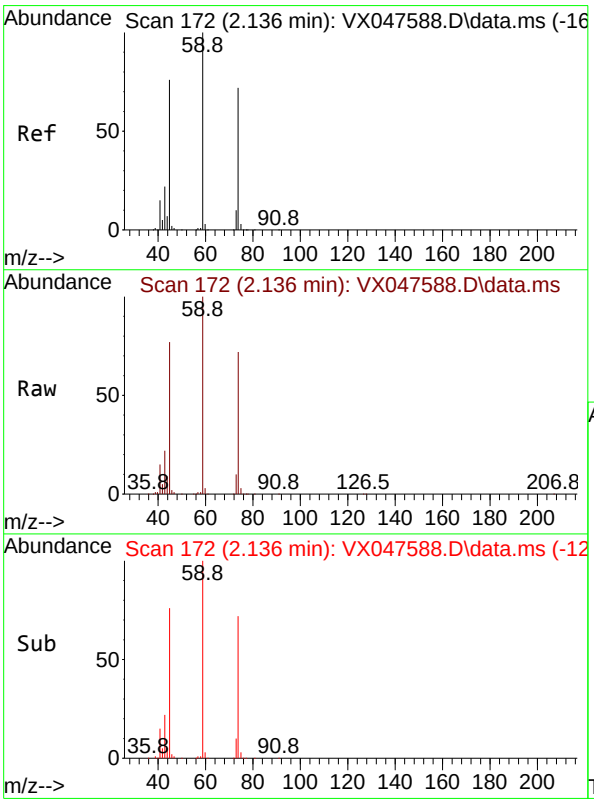
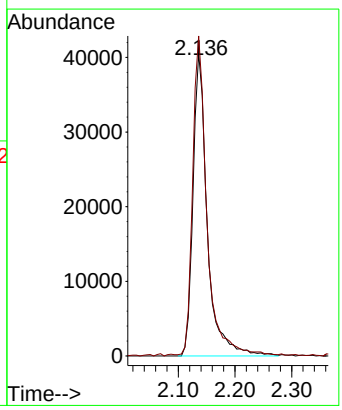


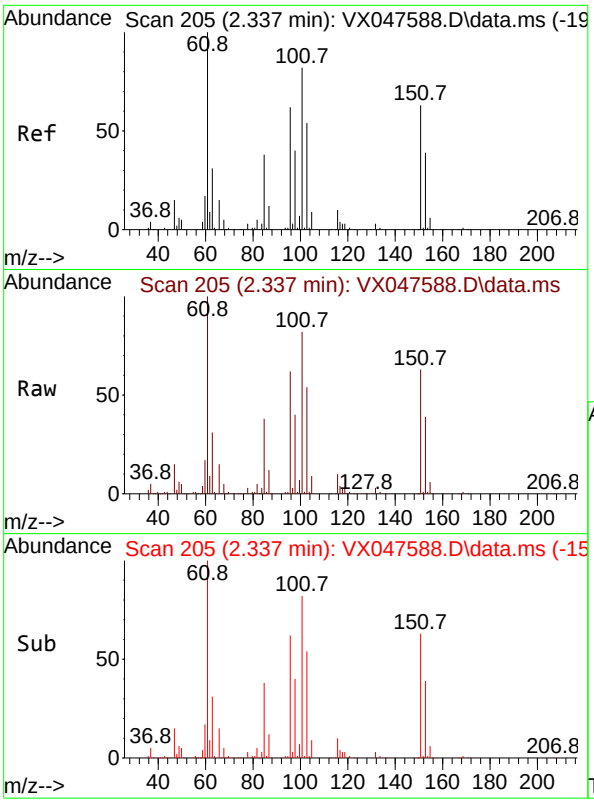




#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.5 | 52.3 | 156.8 |

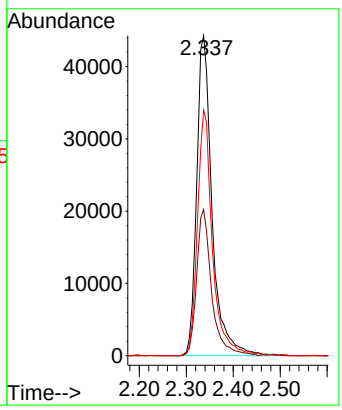





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:101 Resp: 10117

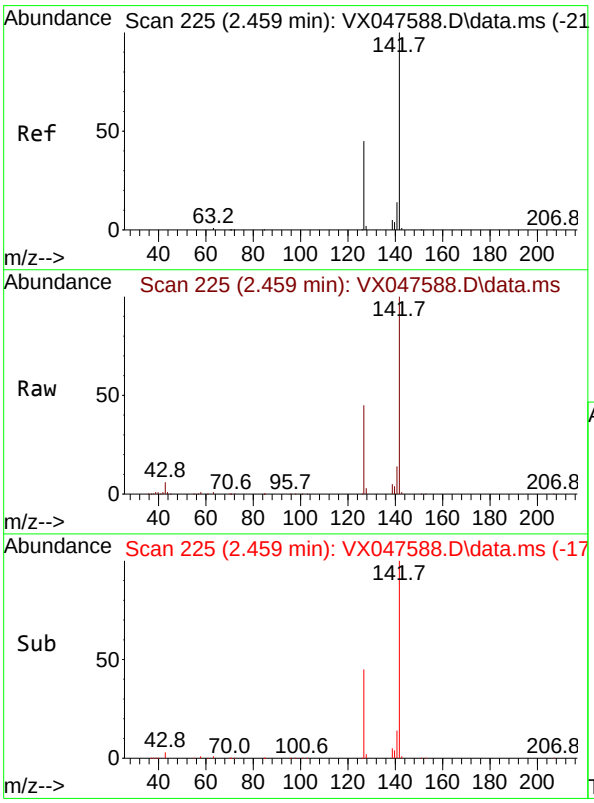
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 35.5 | 53.3 |
| 151 | 74.2 | 59.4 | 89.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

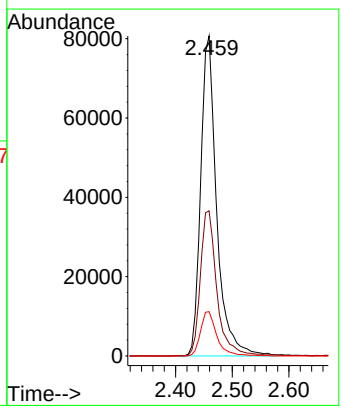
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

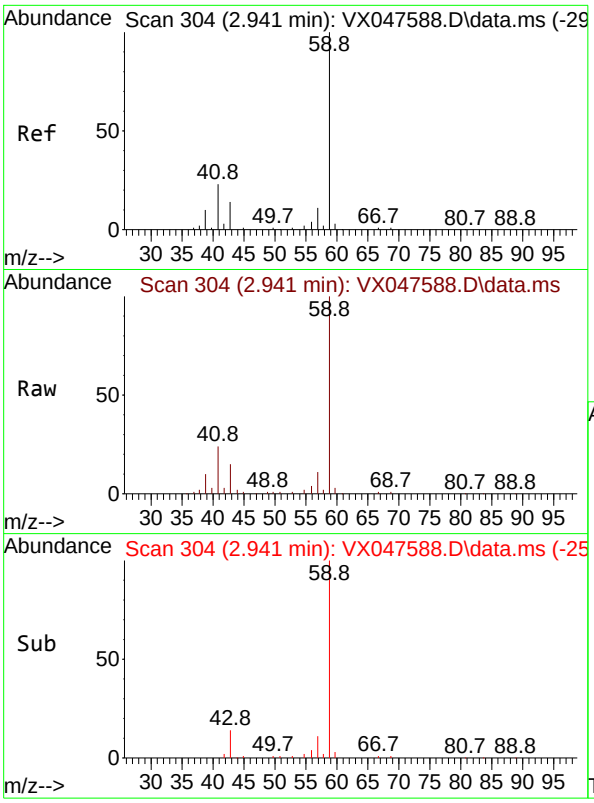



#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.2 | 11.4 | 17.0 |

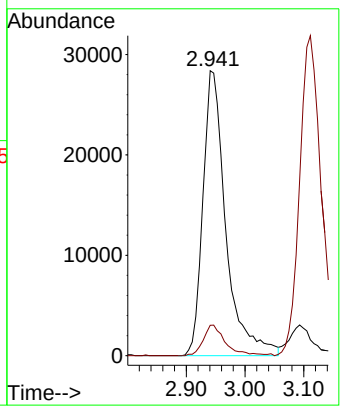





#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 59 Resp: 7723

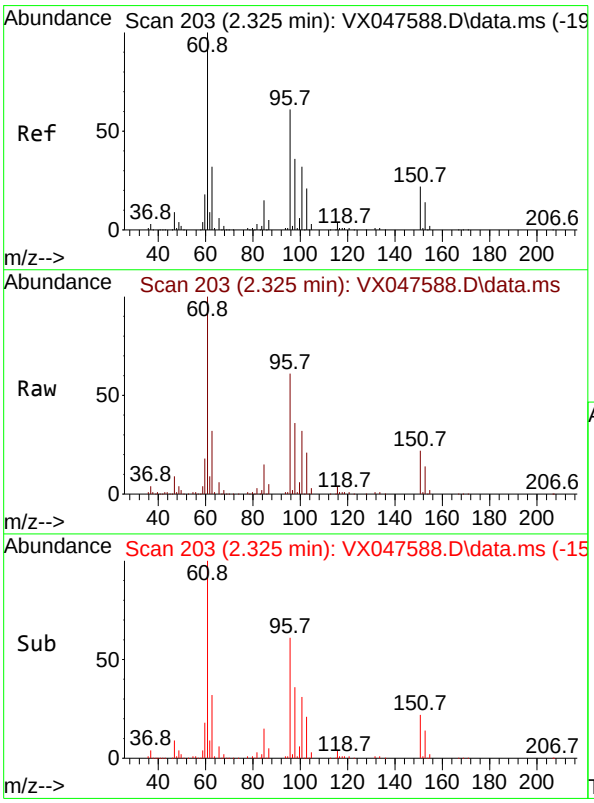
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

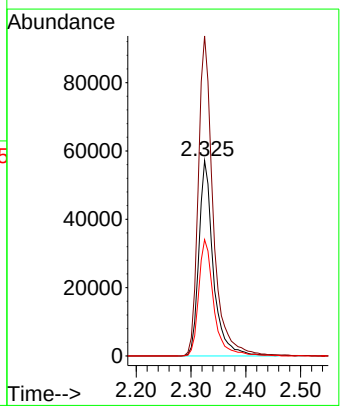
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

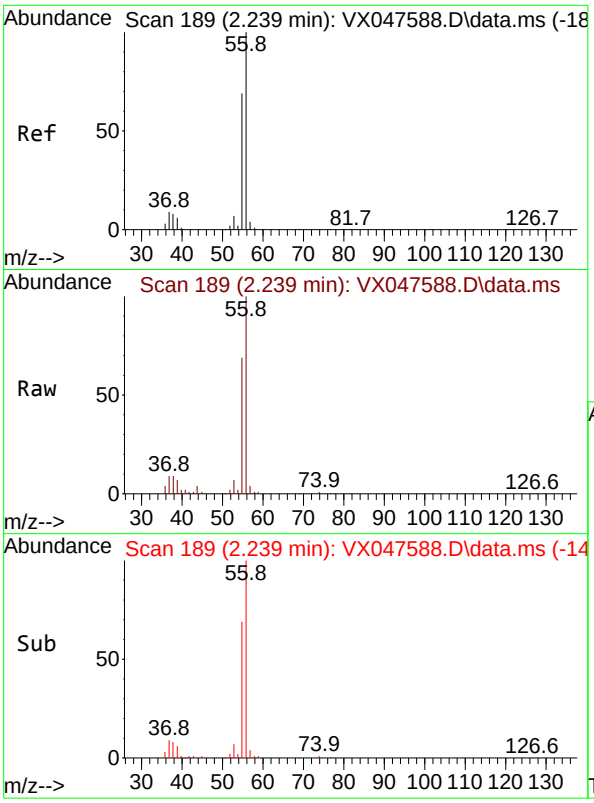



#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 131.0 | 196.6 |
| 98 | 59.6 | 47.7 | 71.5 |

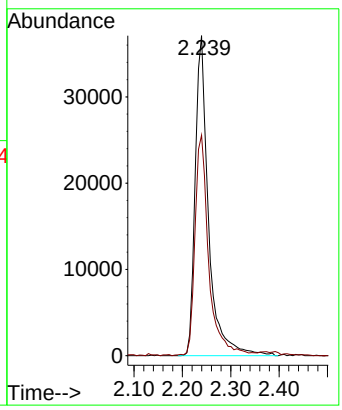





#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 7072

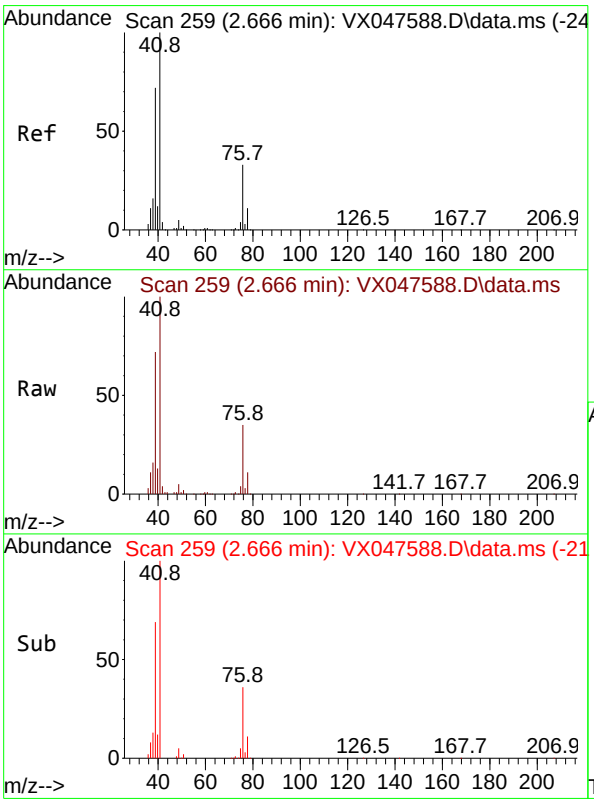
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

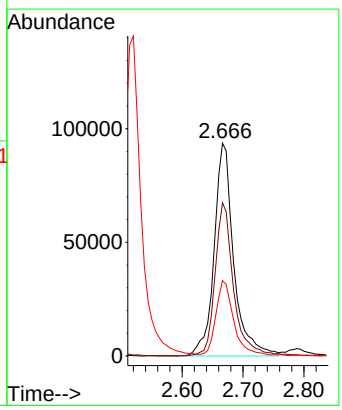
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

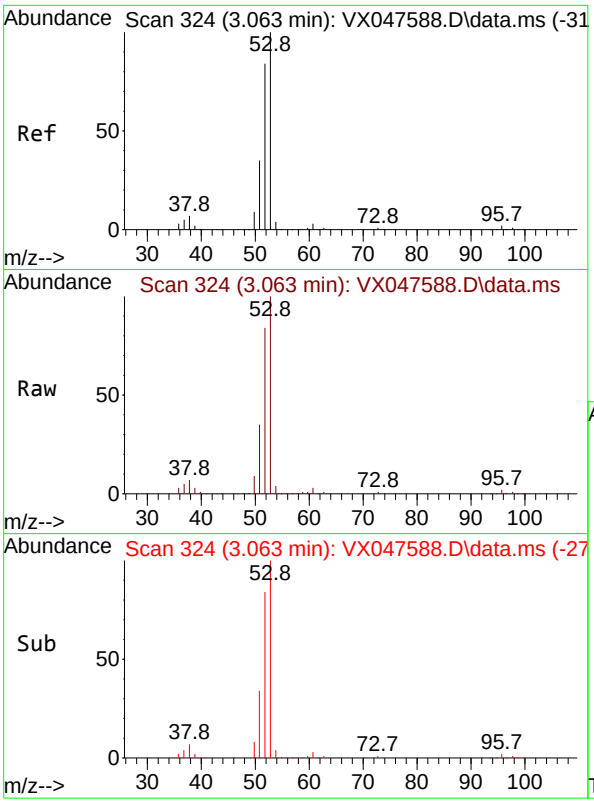



#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.4 | 54.7 | 82.1 |
| 76 | 32.1 | 25.7 | 38.5 |

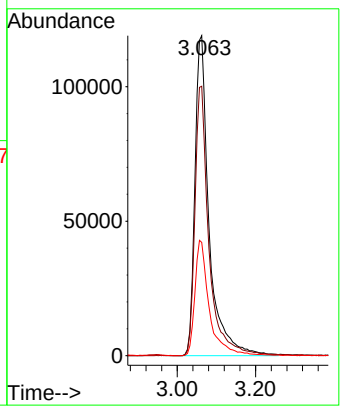





#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 53 Resp: 30064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.0 | 66.4 | 99.6 |
| 51 | 36.9 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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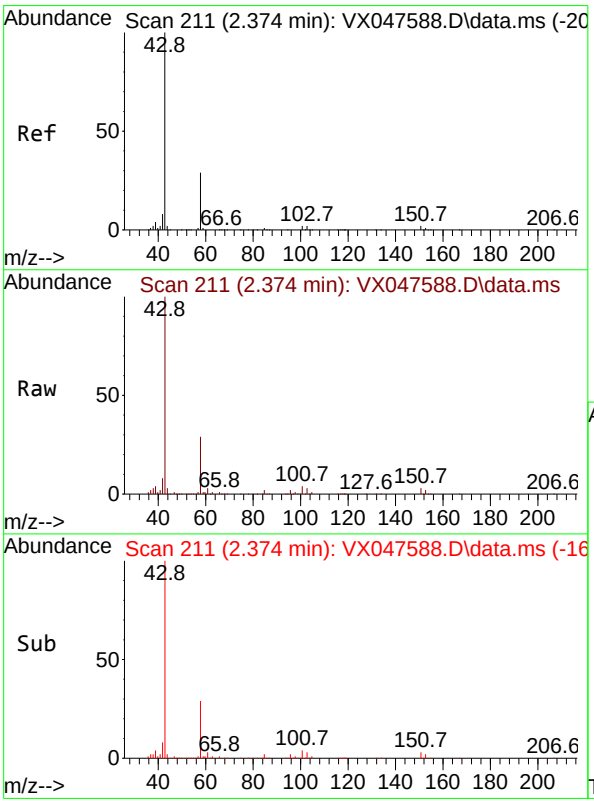
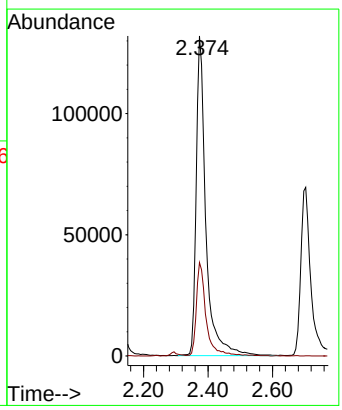
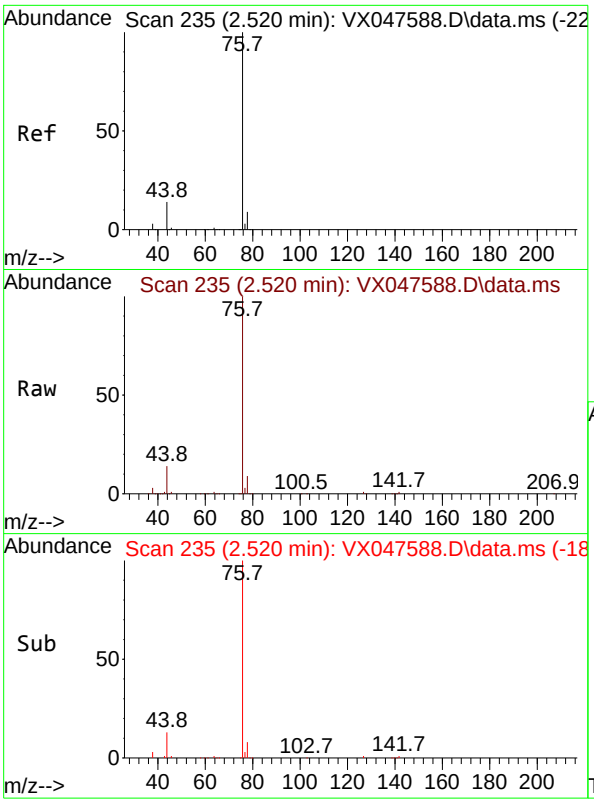



#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.4 | 35.0 |






#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 27148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 6.8 | 10.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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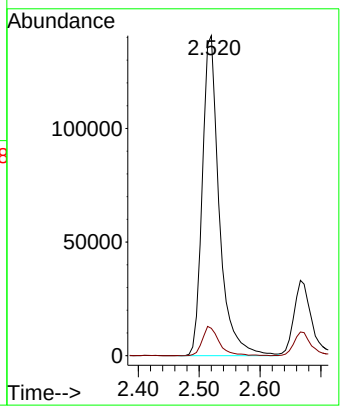
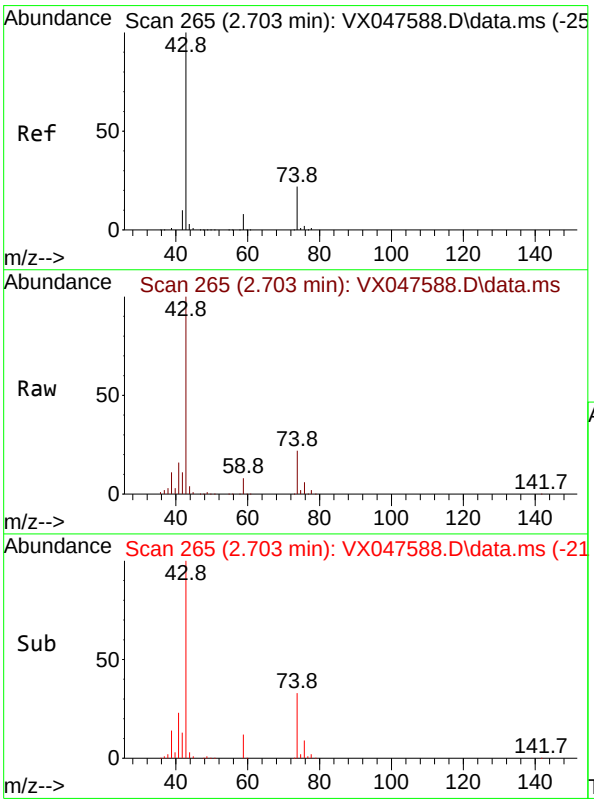
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

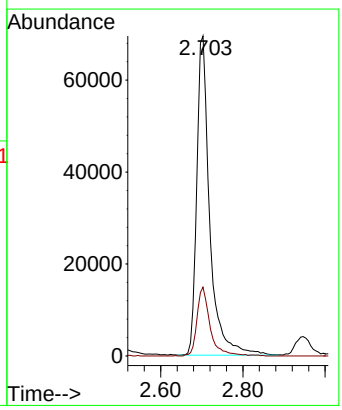


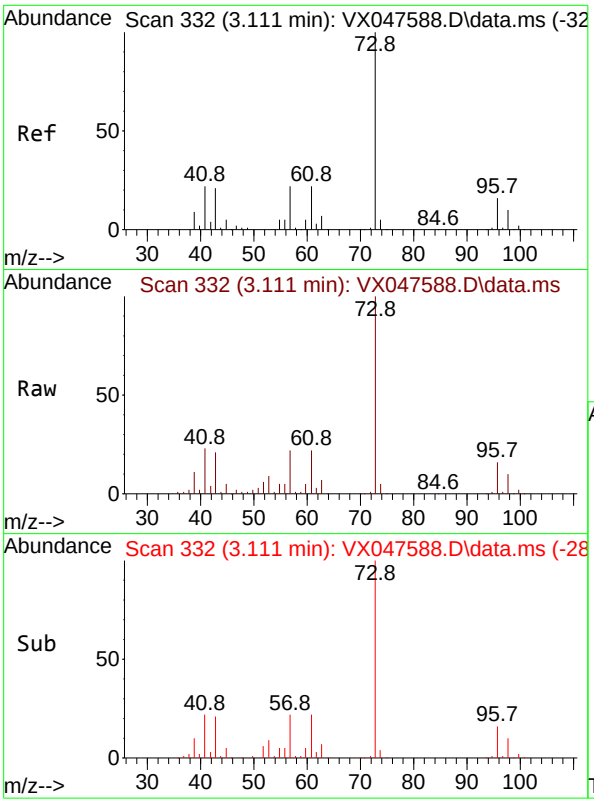




#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |

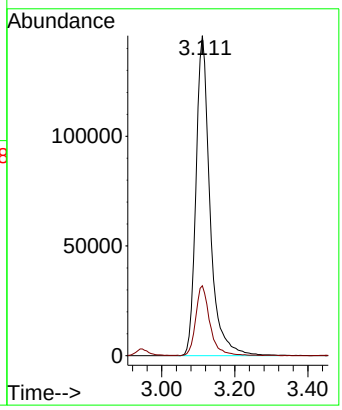





#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 73 Resp: 38960

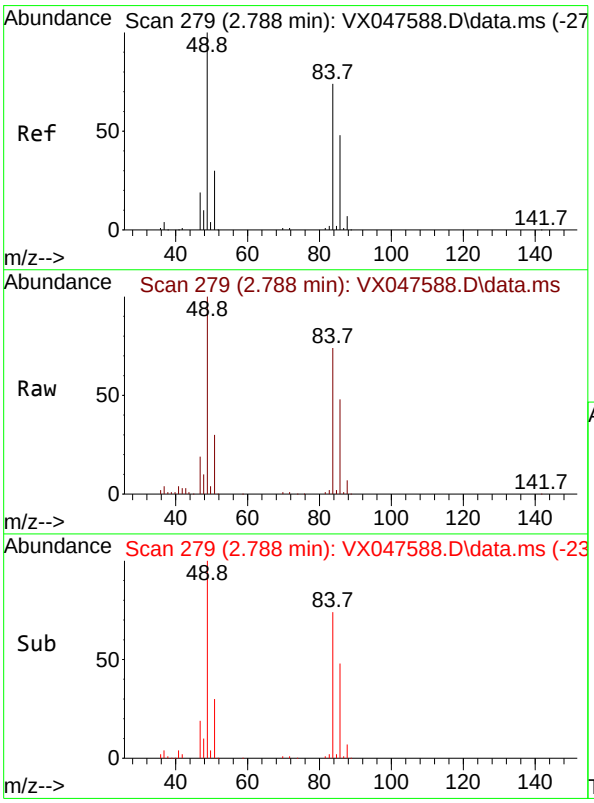
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

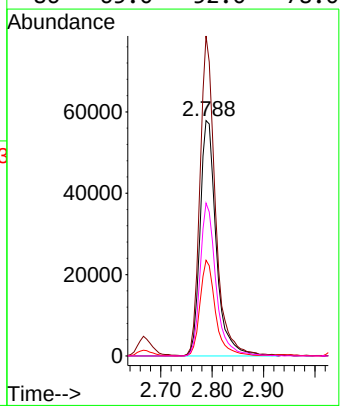
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

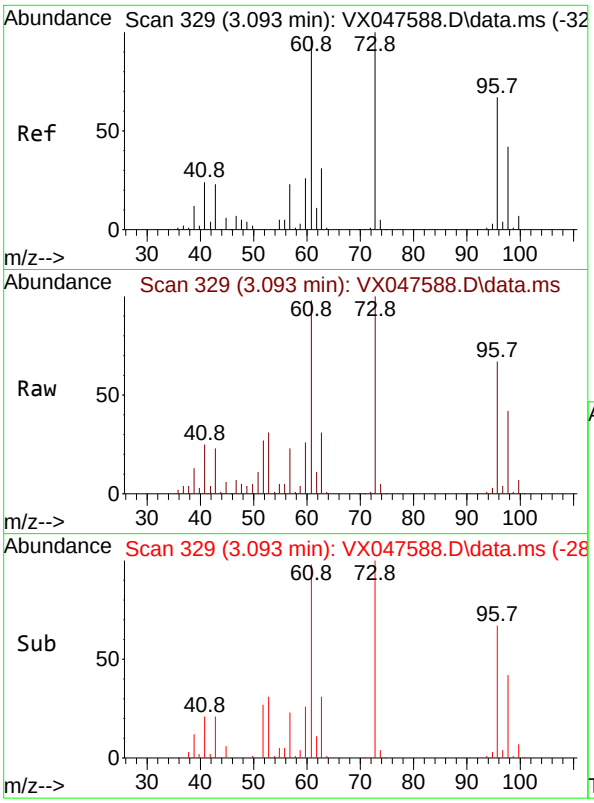



#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 135.7 | 108.6 | 162.8 |
| 51 | 40.7 | 32.6 | 48.8 |
| 86 | 65.0 | 52.0 | 78.0 |

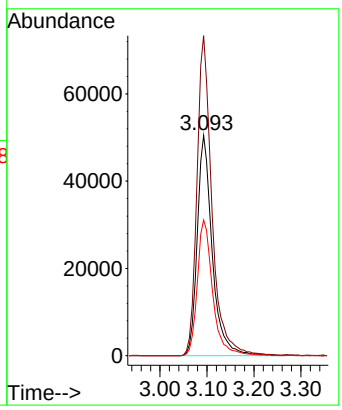





#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 11255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.2 | 116.2 | 174.2 |
| 98 | 61.6 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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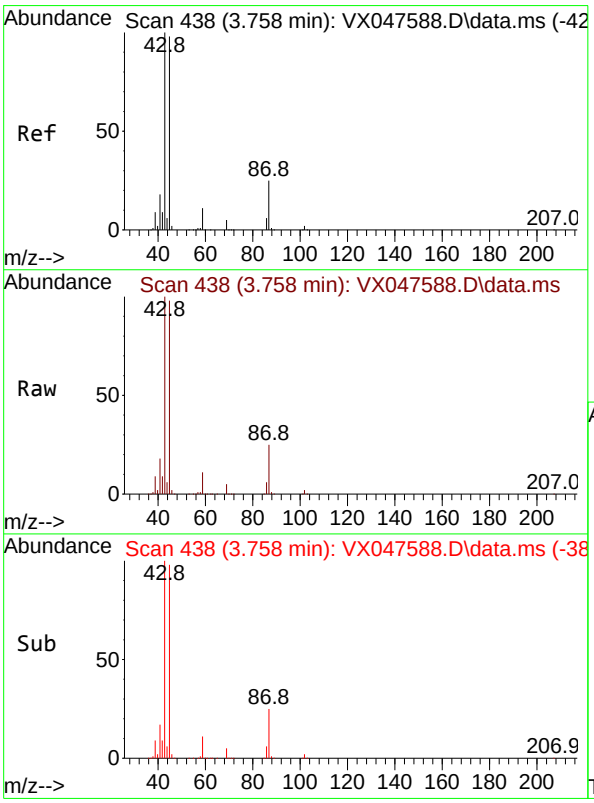
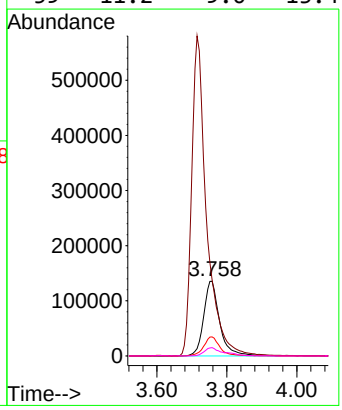
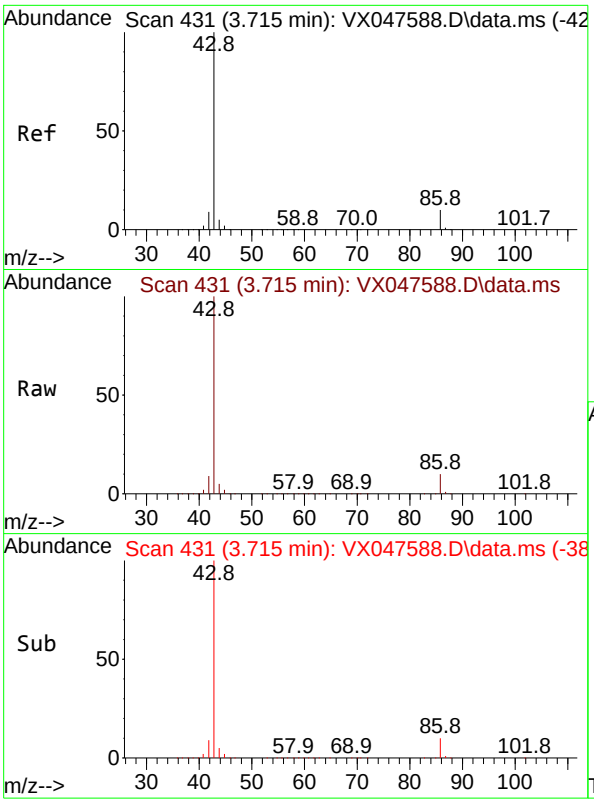



#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.2 | 81.0 | 121.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.2 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

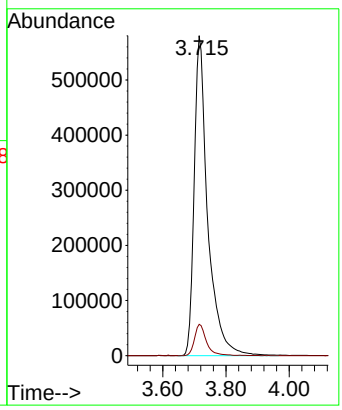
Tgt Ion: 43 Resp: 172673

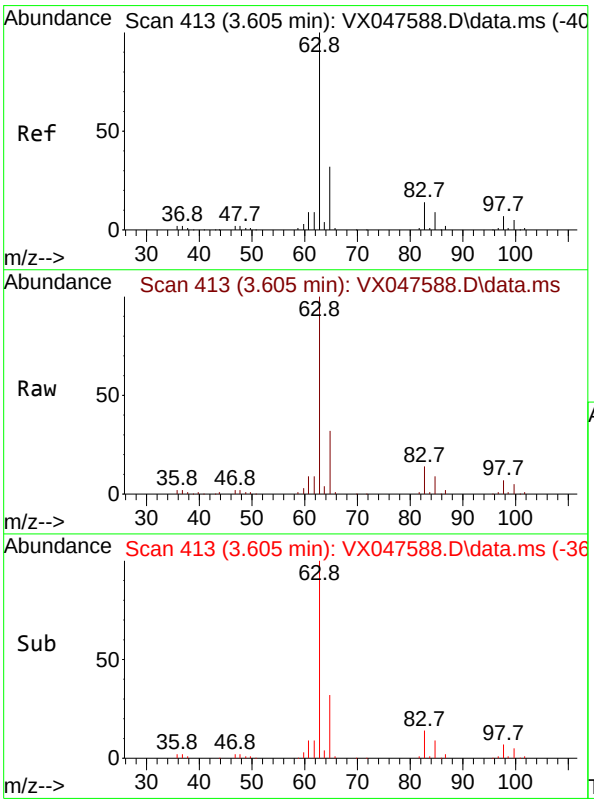
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

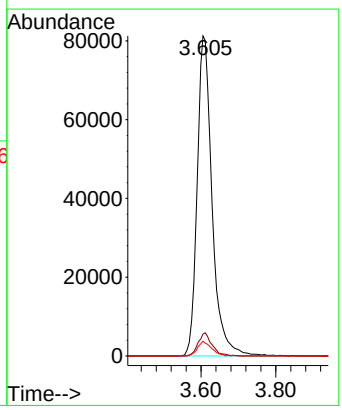


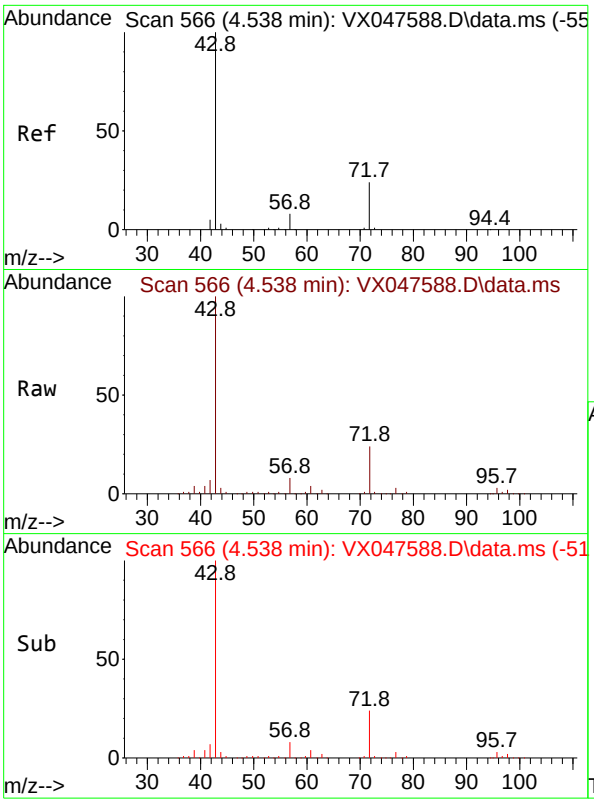




#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 3.8 | 11.2 |
| 100 | 4.6 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 38033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.1 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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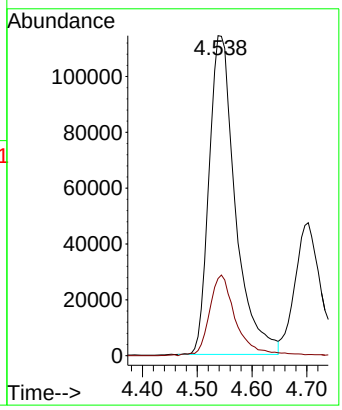
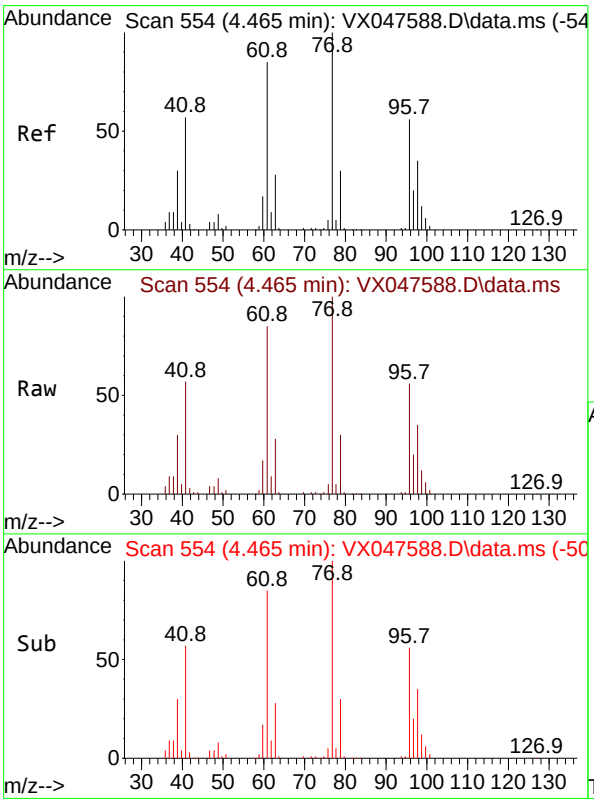
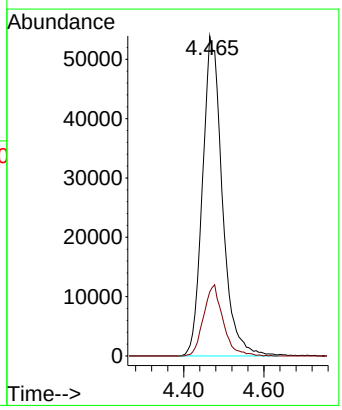


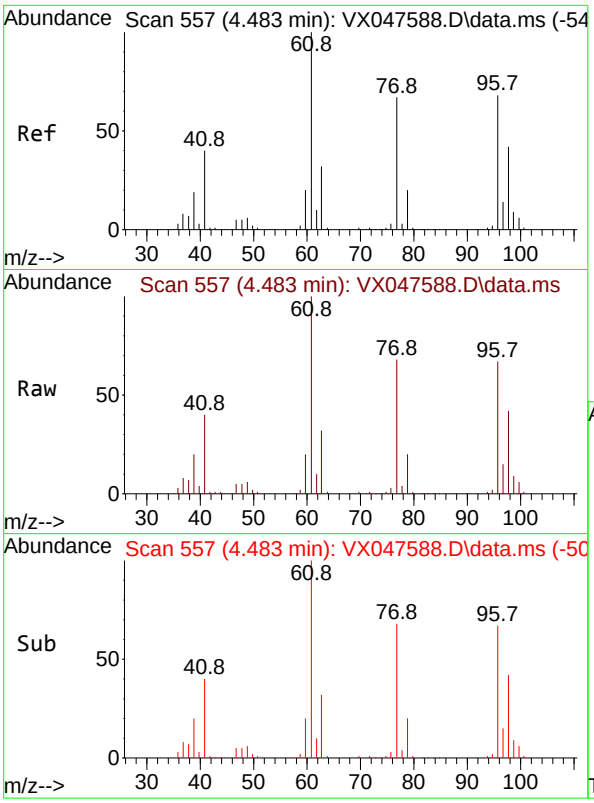




#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |






#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 14010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.6 | 0.0 | 303.2 |
| 98 | 63.9 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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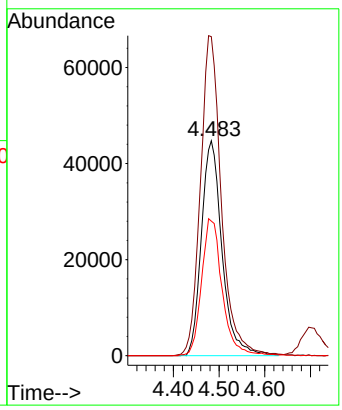
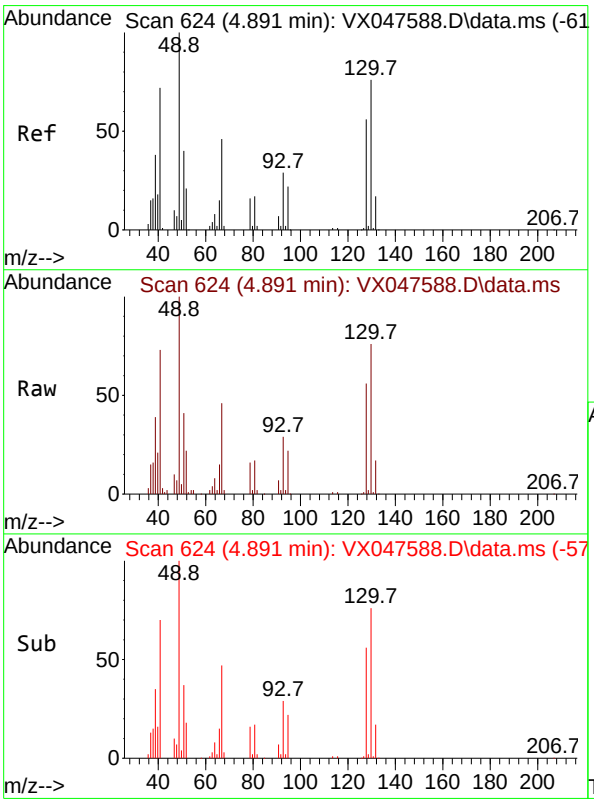
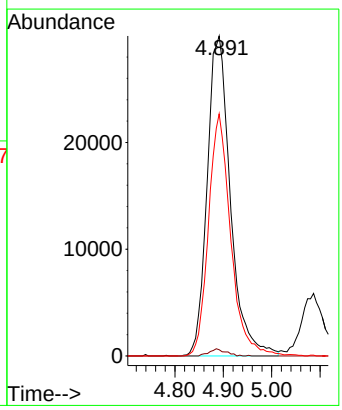


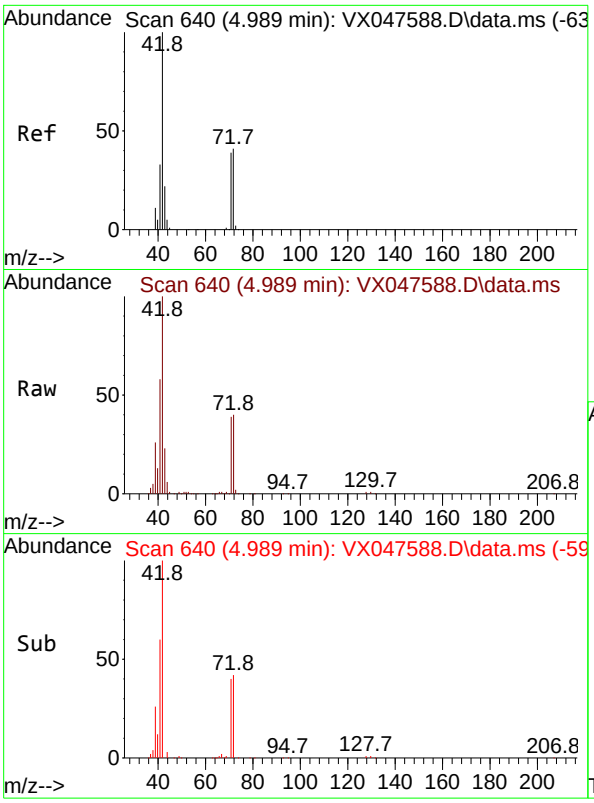




#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 3.2 |
| 130 | 72.3 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 42 Resp: 23867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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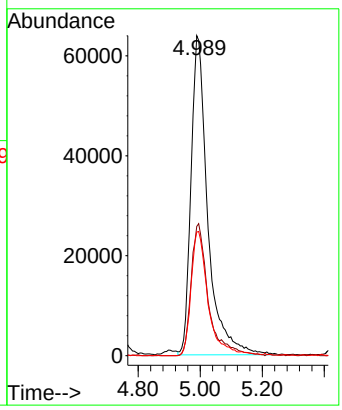
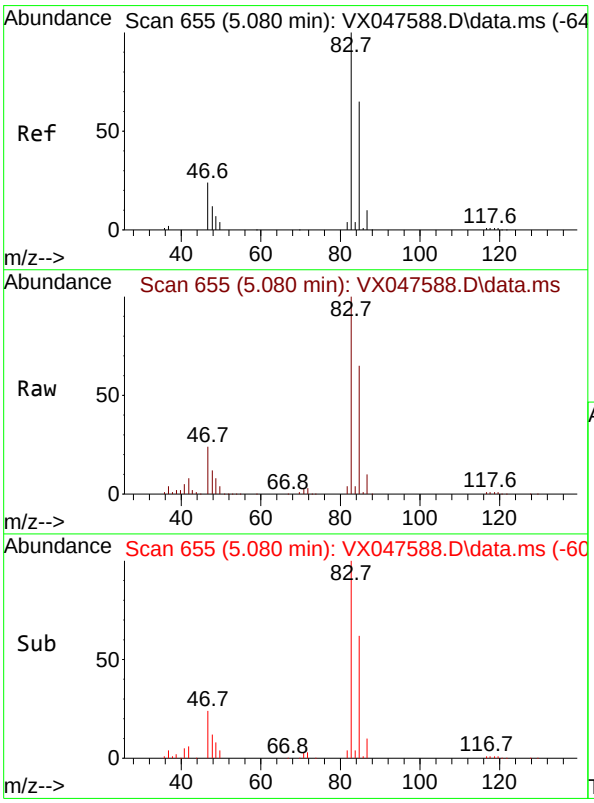
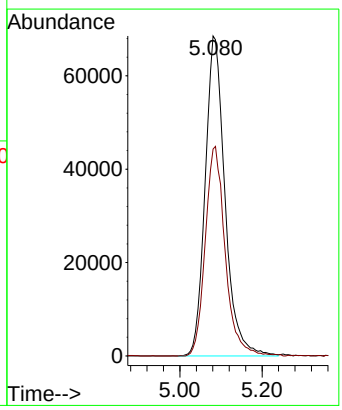


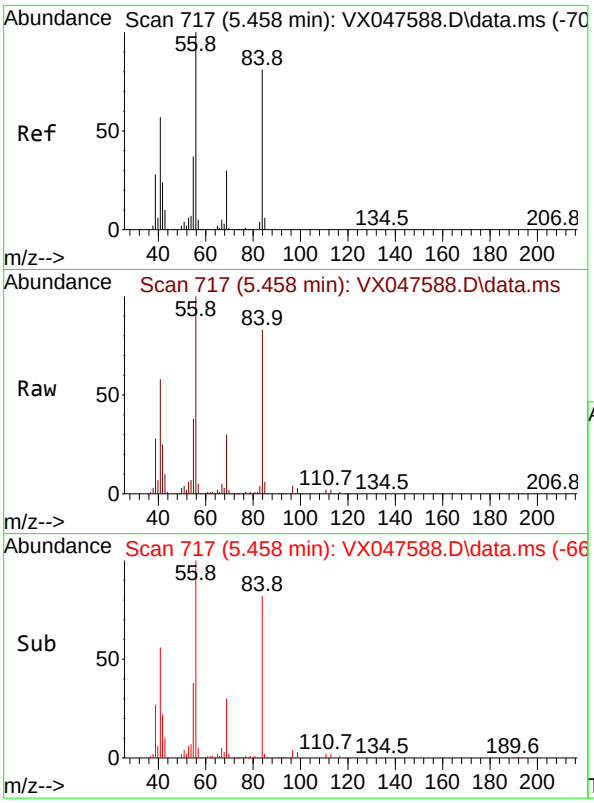




#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.8 | 77.6 |

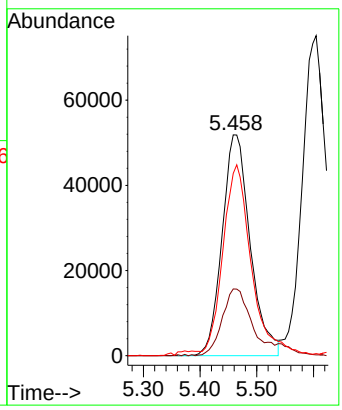





#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 56 Resp: 17854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 23.8 | 35.8 |
| 84 | 80.8 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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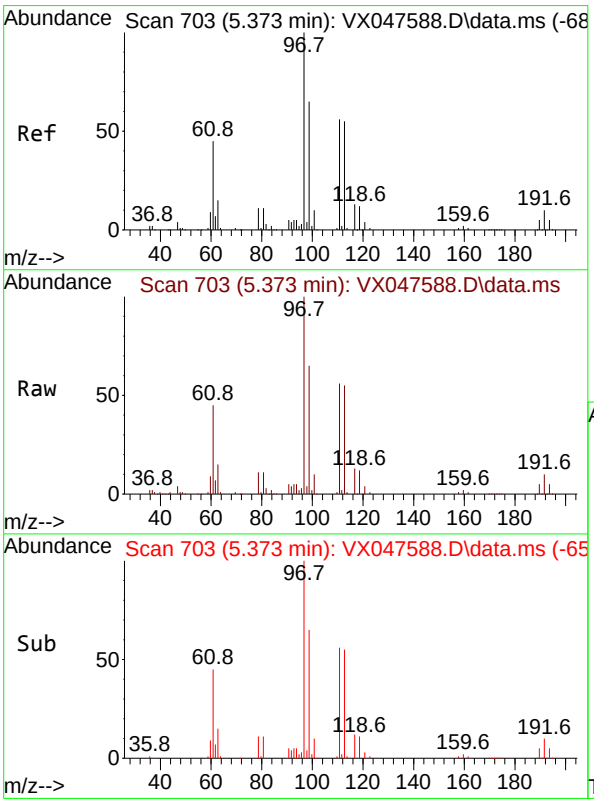
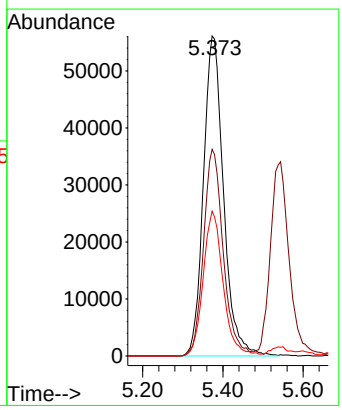
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

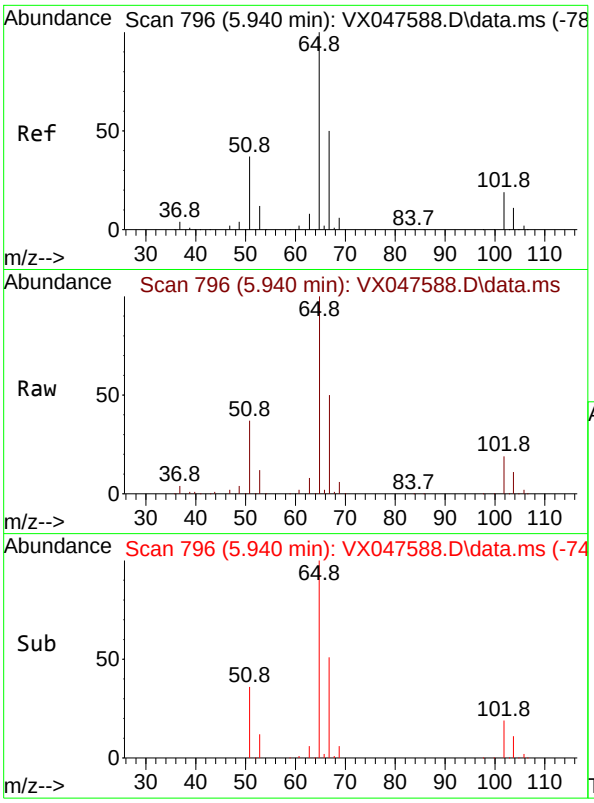



#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 50.6 | 76.0 |
| 61 | 44.8 | 35.8 | 53.8 |

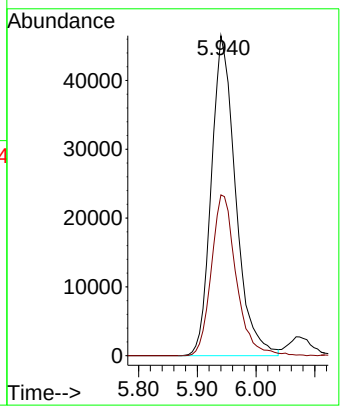





#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 65 Resp: 13360

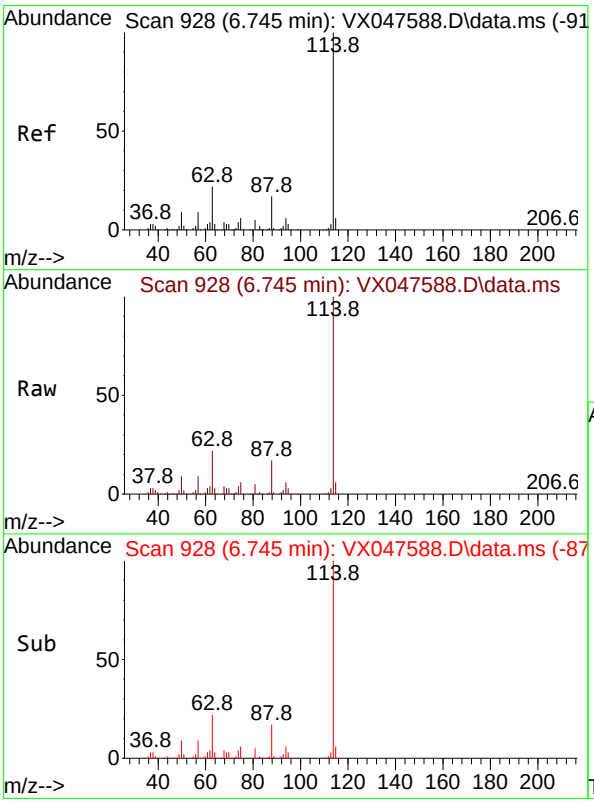
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

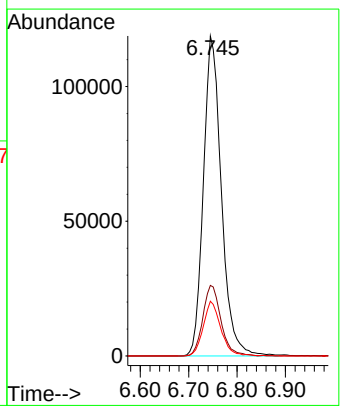
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

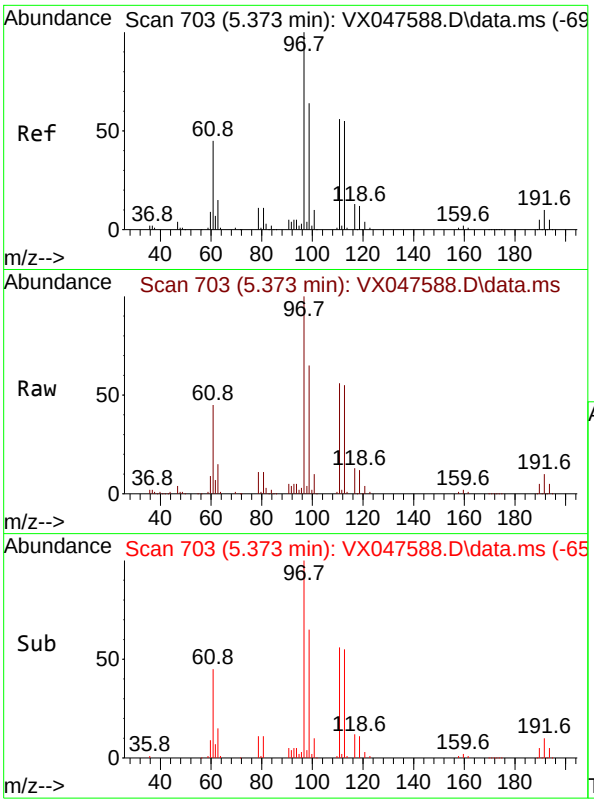



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.0 |
| 88 | 17.1 | 0.0 | 34.2 |

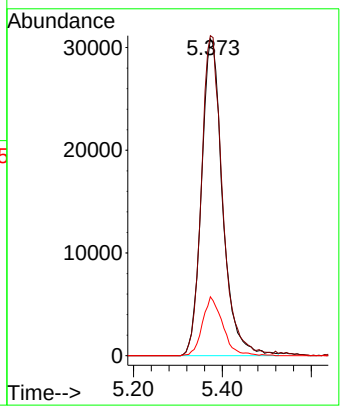





#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:113 Resp: 10162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.1 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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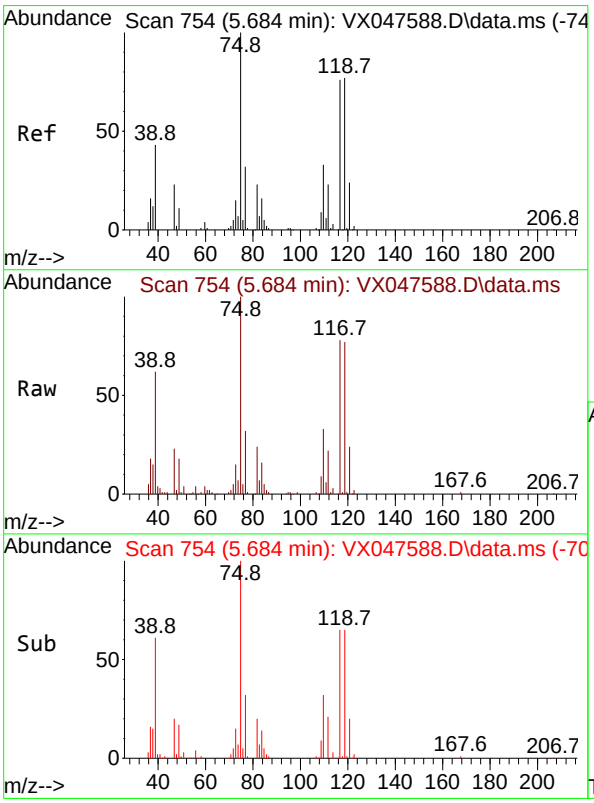
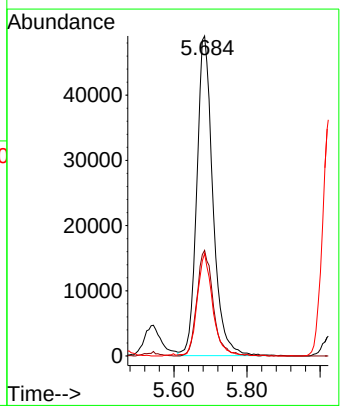
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

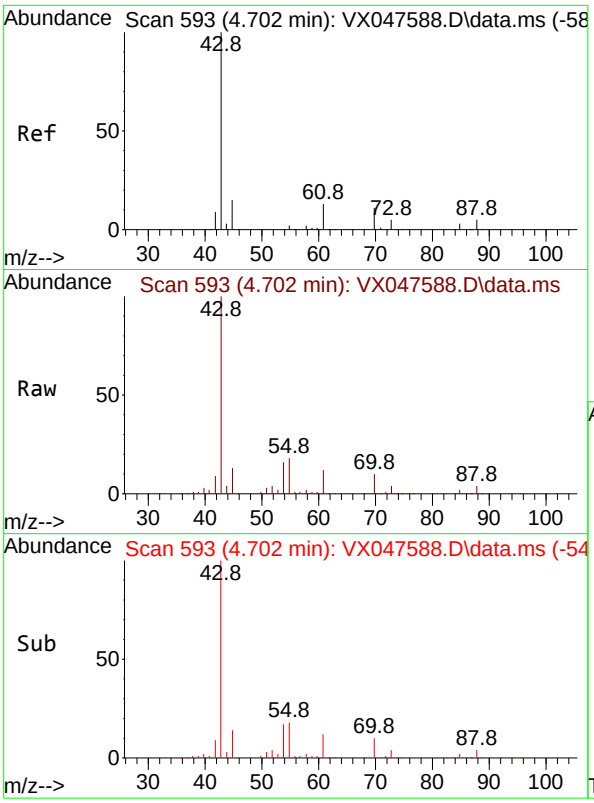



#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.4 | 16.7 | 50.1 |
| 77 | 30.4 | 24.3 | 36.5 |

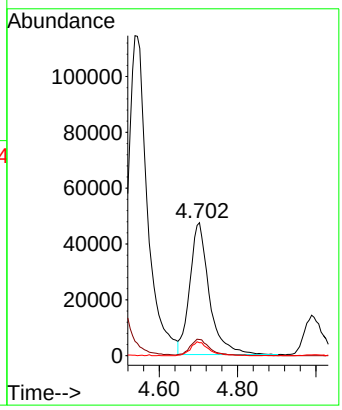





#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 16348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.9 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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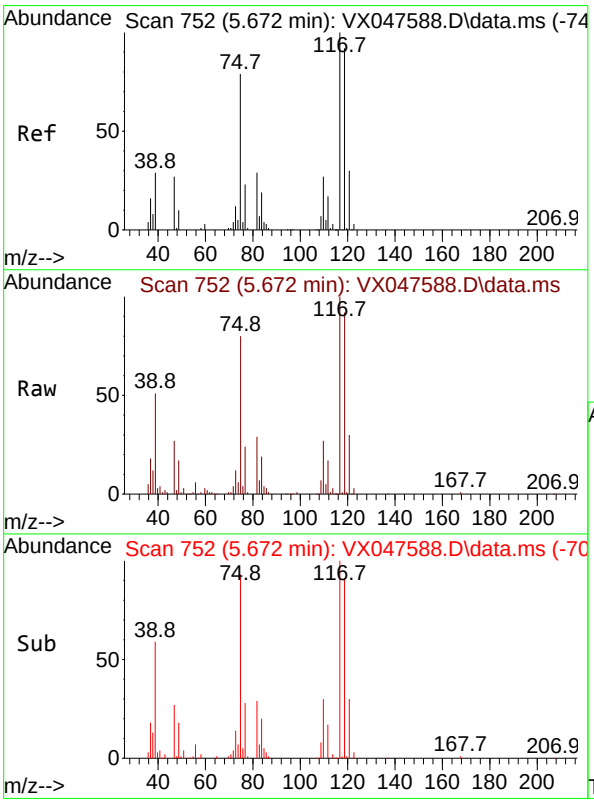
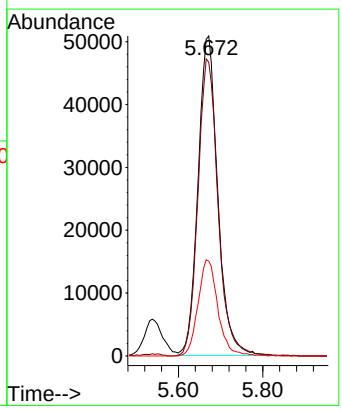
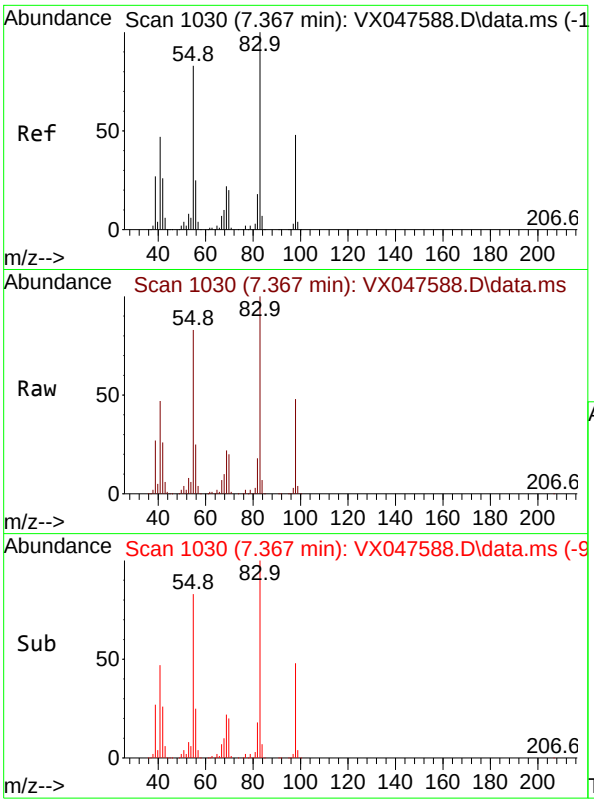



#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.8 | 73.4 | 110.2 |
| 121 | 29.7 | 23.8 | 35.6 |

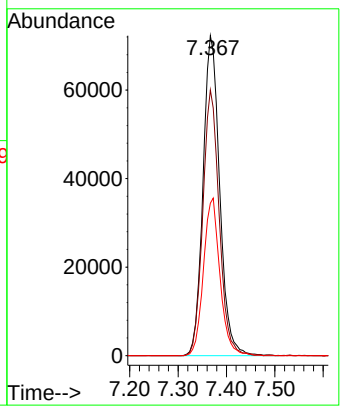





#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 17361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.0 | 66.4 | 99.6 |
| 98 | 47.6 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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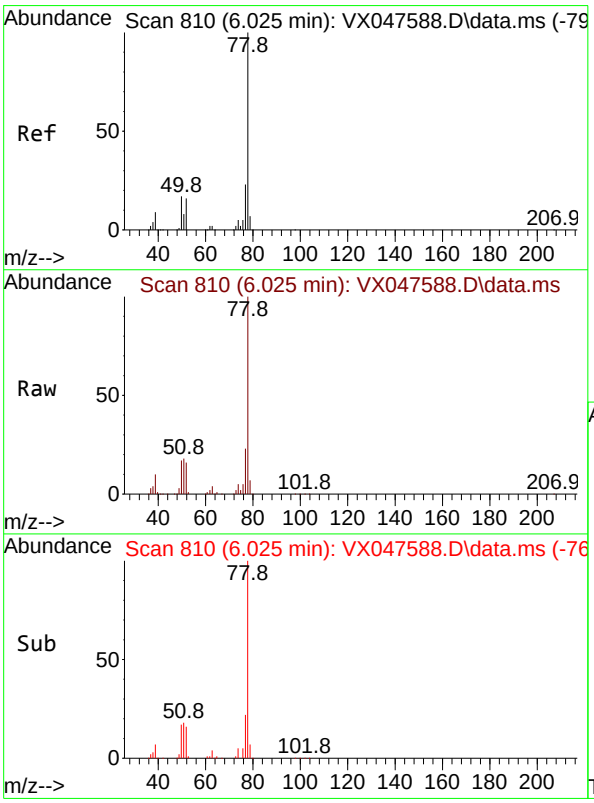
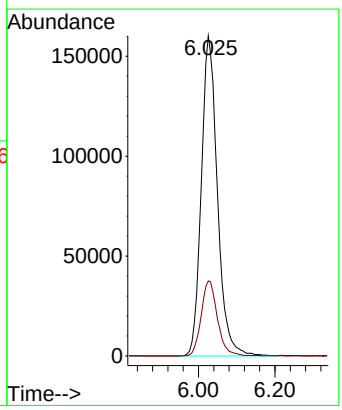
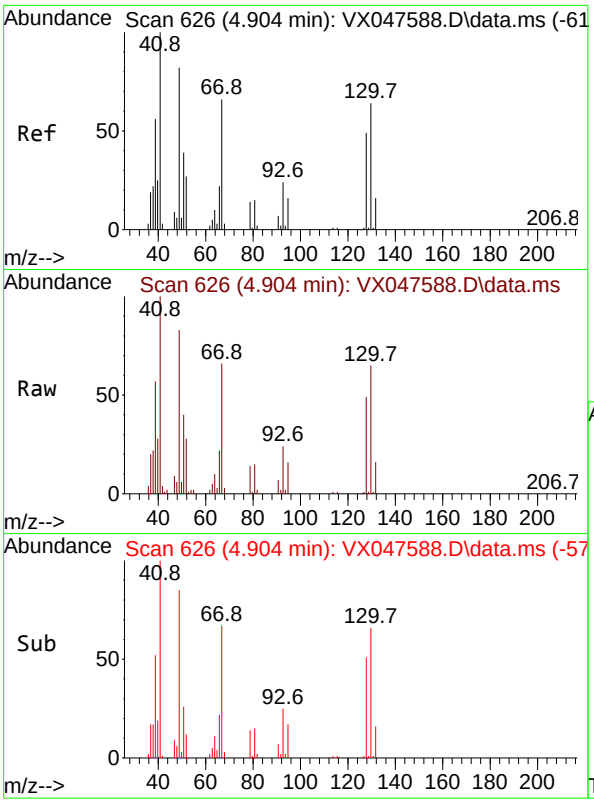



#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

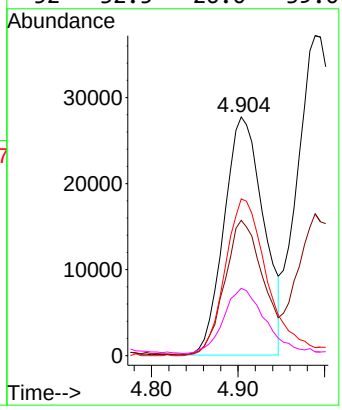





#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 8776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.1 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 32.5 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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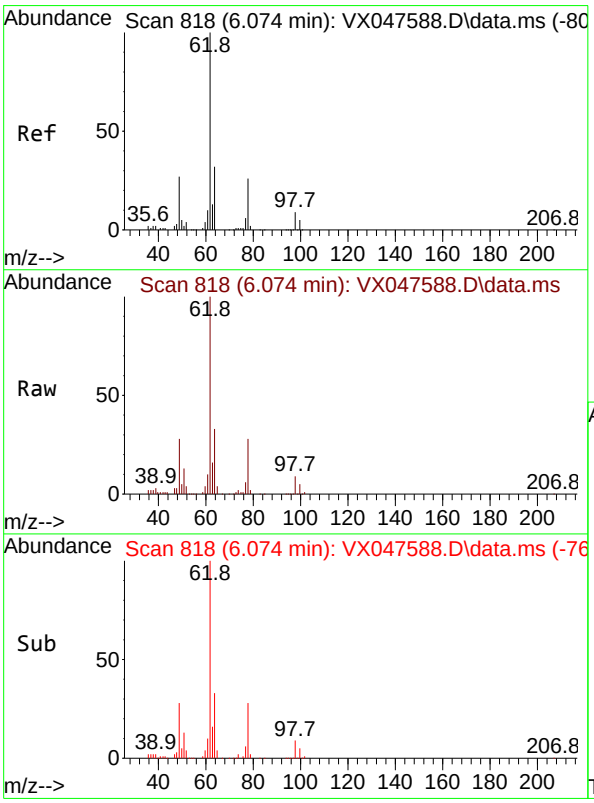
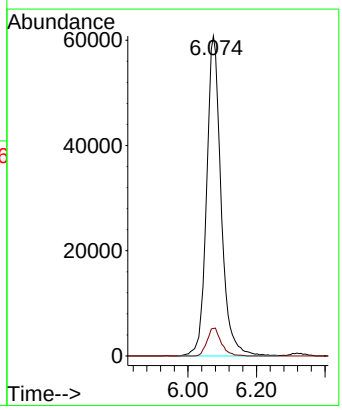
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

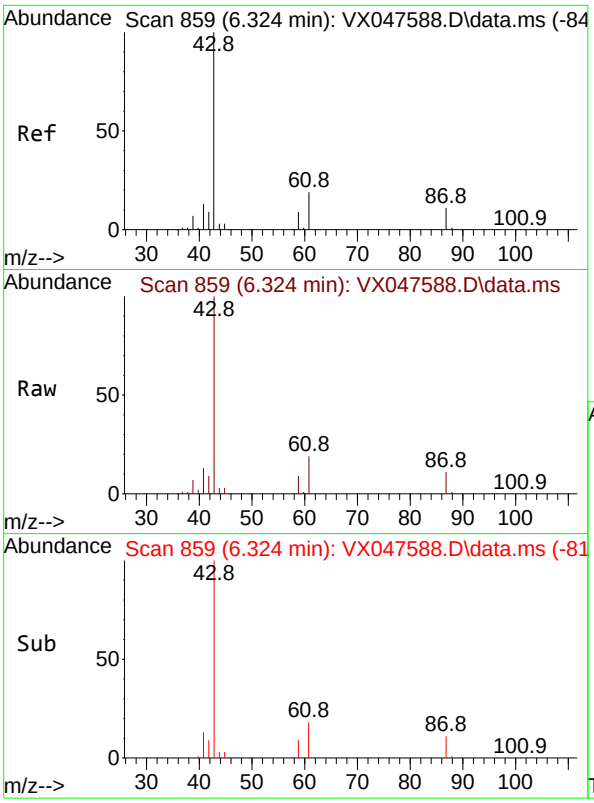



#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 17.0 |

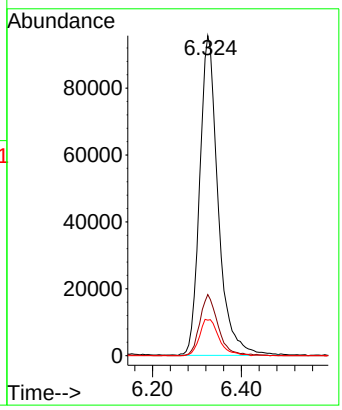





#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 27557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 15.2 | 22.8 |
| 87 | 12.0 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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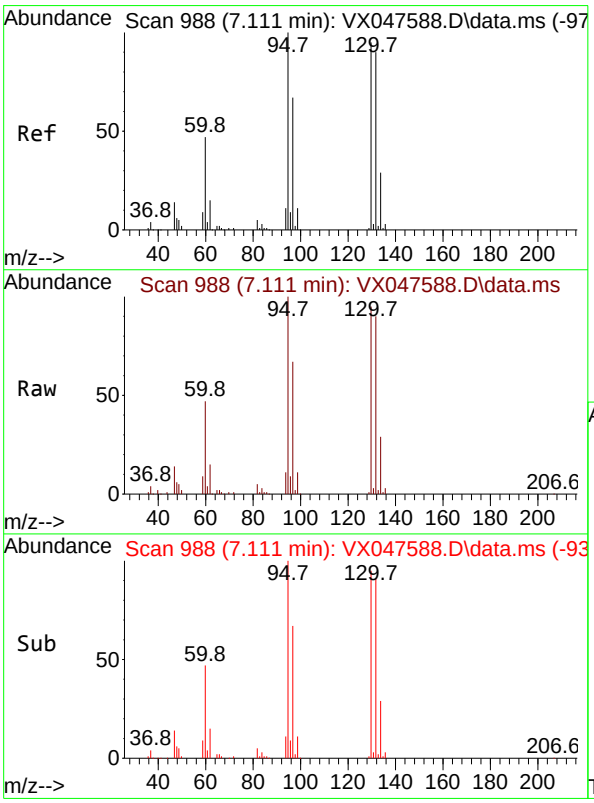
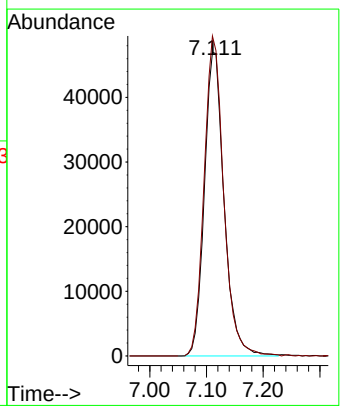
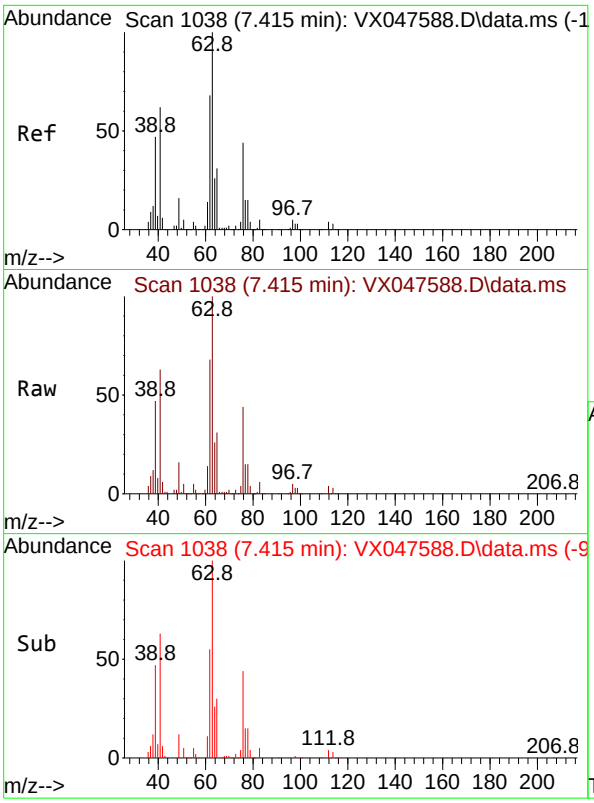



#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.4 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 12210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

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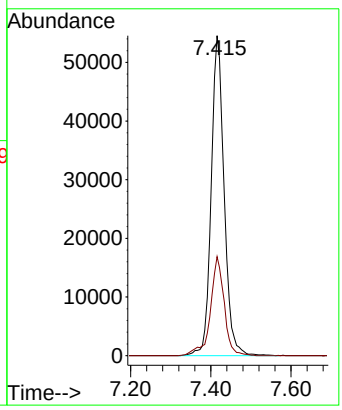
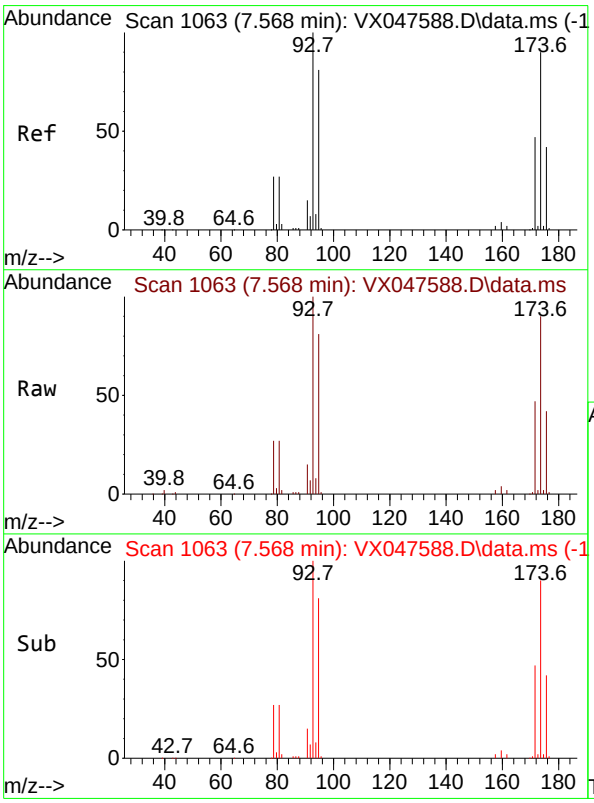
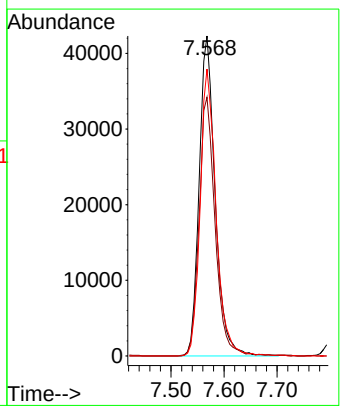


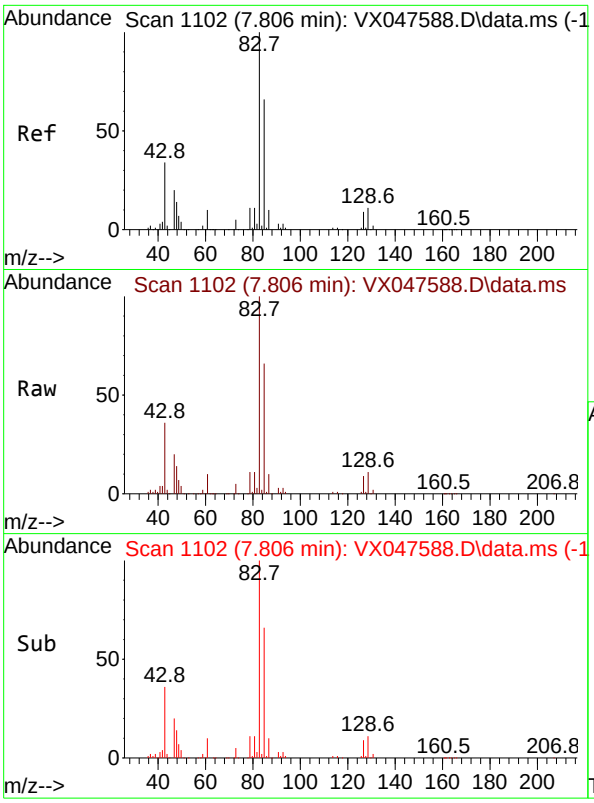




#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.0 | 97.6 |
| 174 | 89.5 | 71.6 | 107.4 |

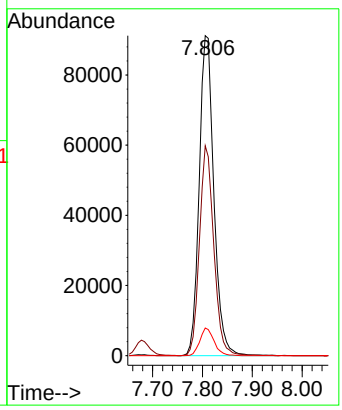





#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 18654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 52.5 | 78.7 |
| 127 | 8.6 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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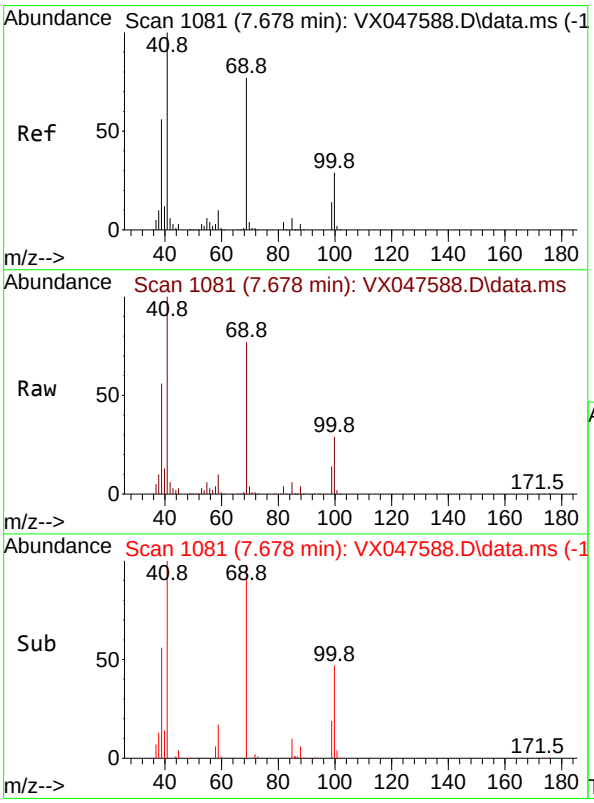
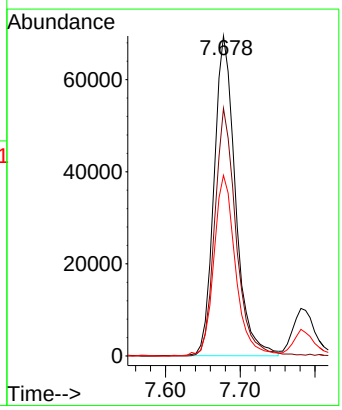
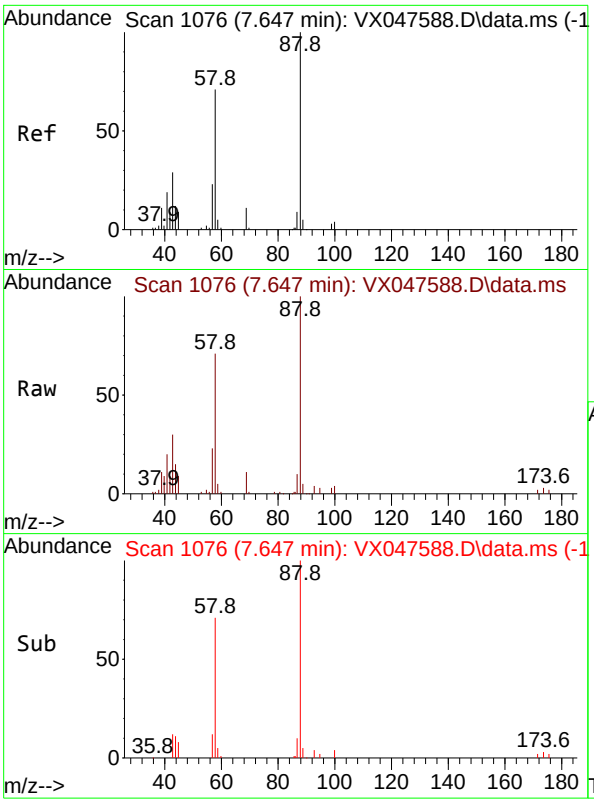



#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.8 | 61.4 | 92.2 |
| 39 | 57.2 | 45.8 | 68.6 |

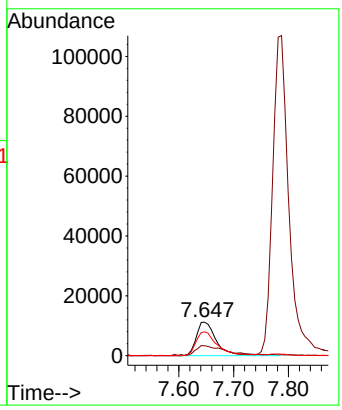





#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 88 Resp: 2949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.7 | 30.2 | 45.2 |
| 58 | 74.4 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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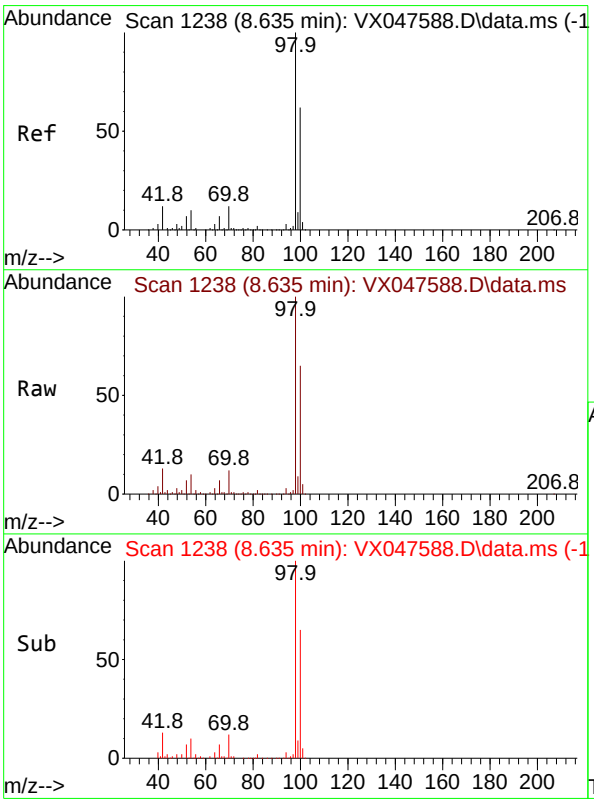
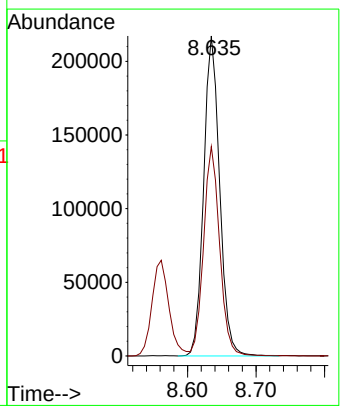
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

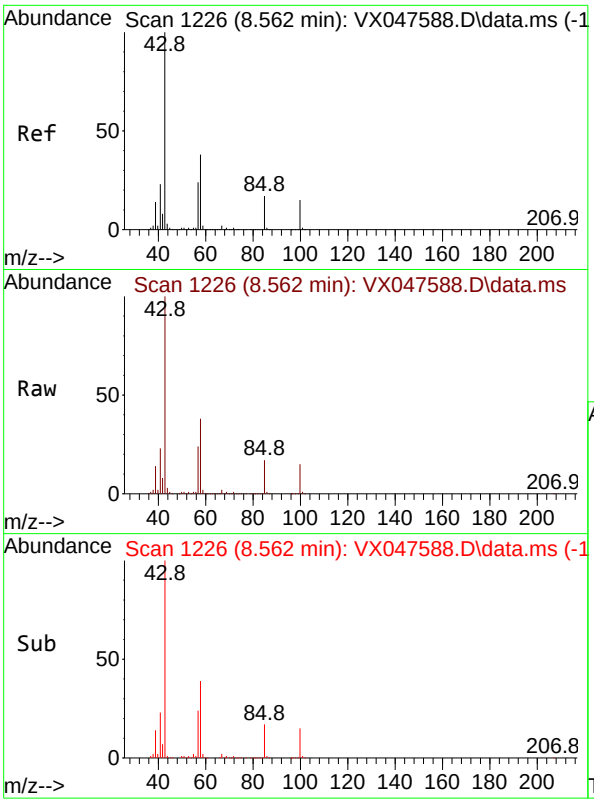



#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |

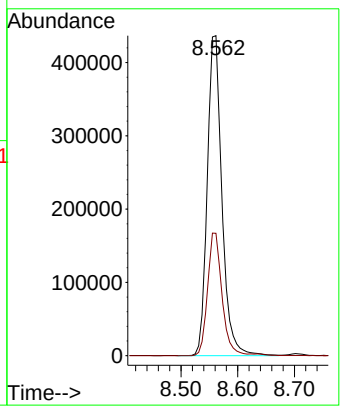





#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 78497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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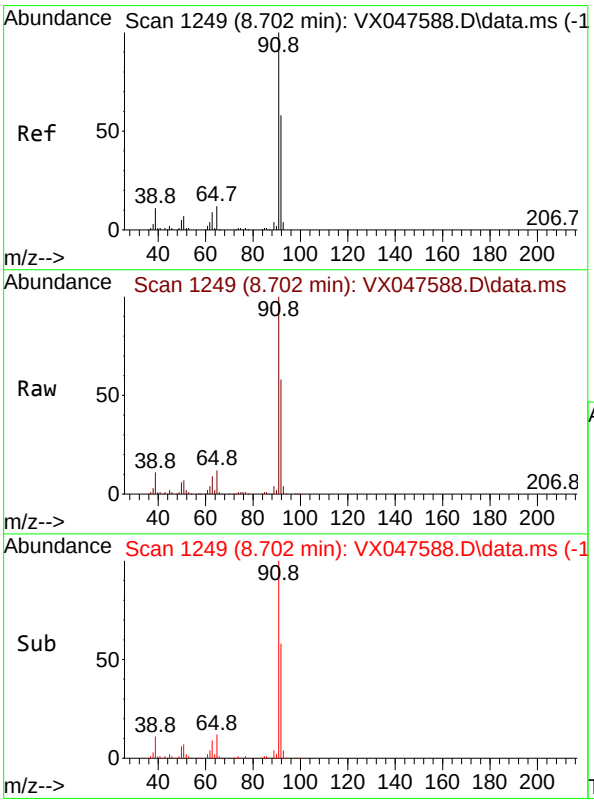
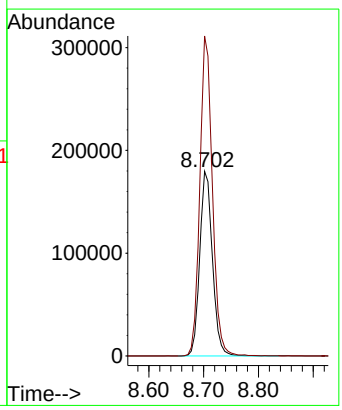
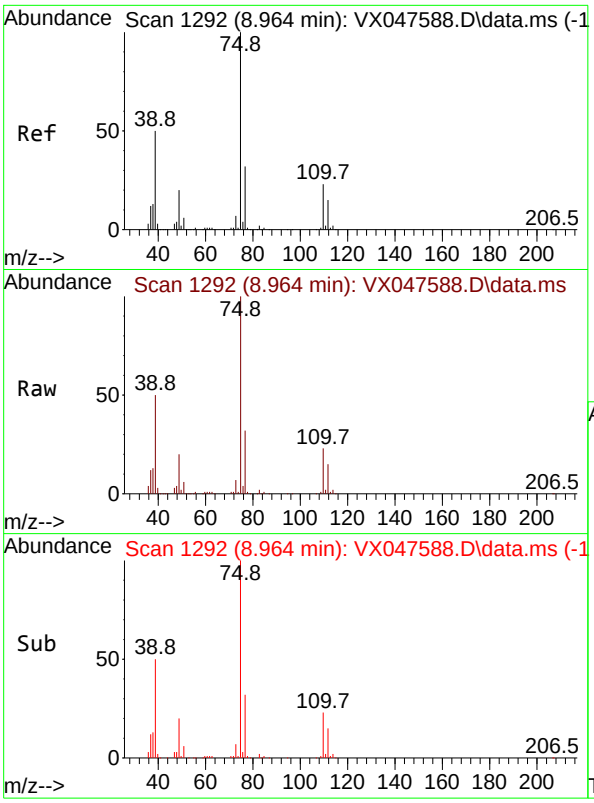



#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.1 | 205.7 |

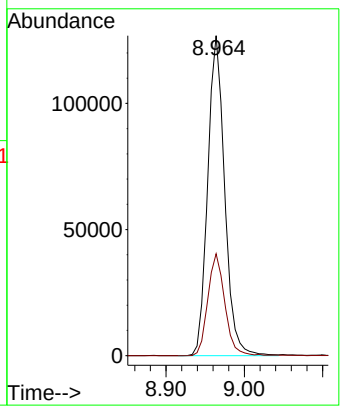





#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 19028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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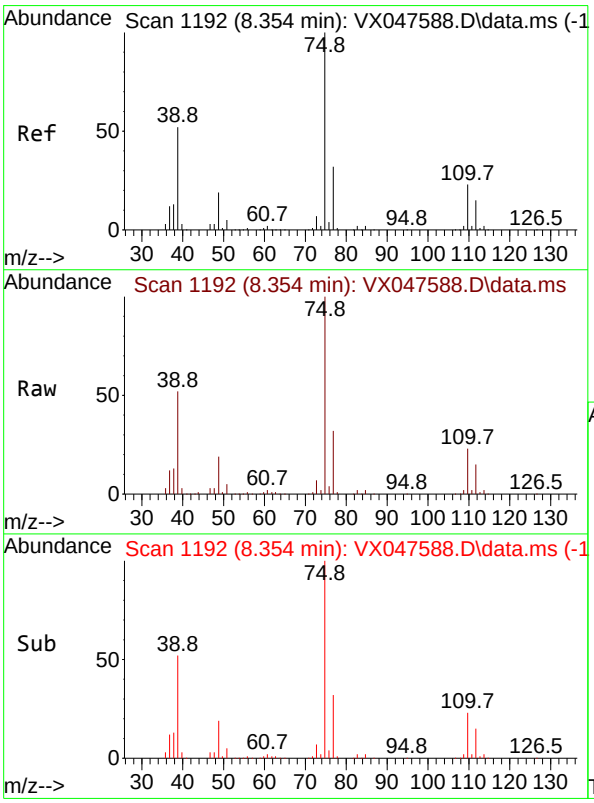
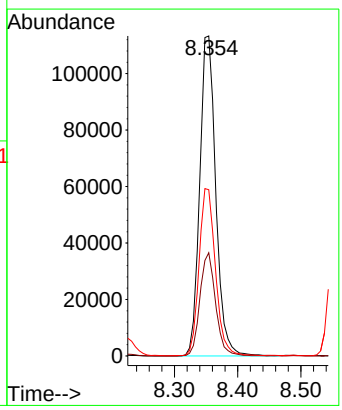
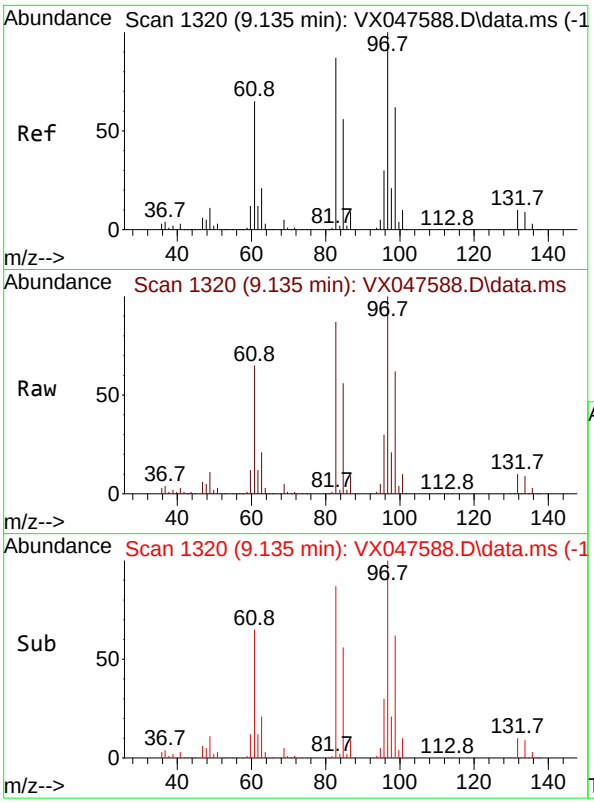



#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 25.8 | 38.6 |
| 39 | 51.8 | 41.4 | 62.2 |

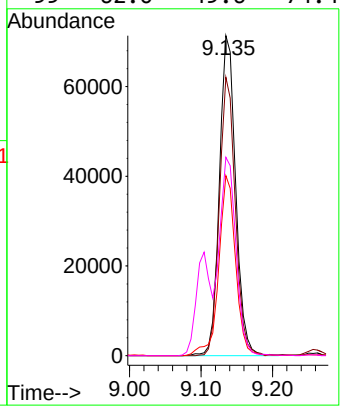





#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 11283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.6 | 104.4 |
| 85 | 56.3 | 45.0 | 67.6 |
| 99 | 62.0 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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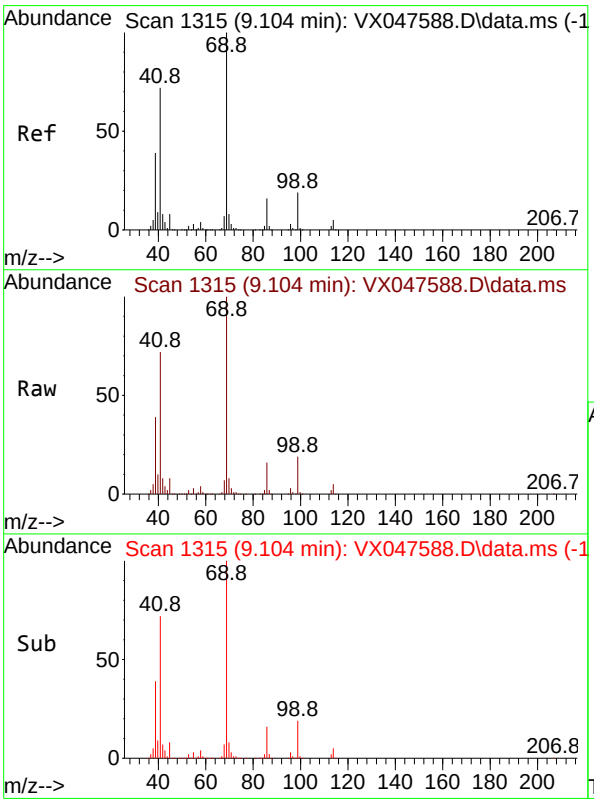
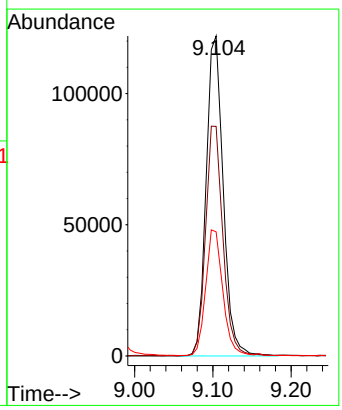
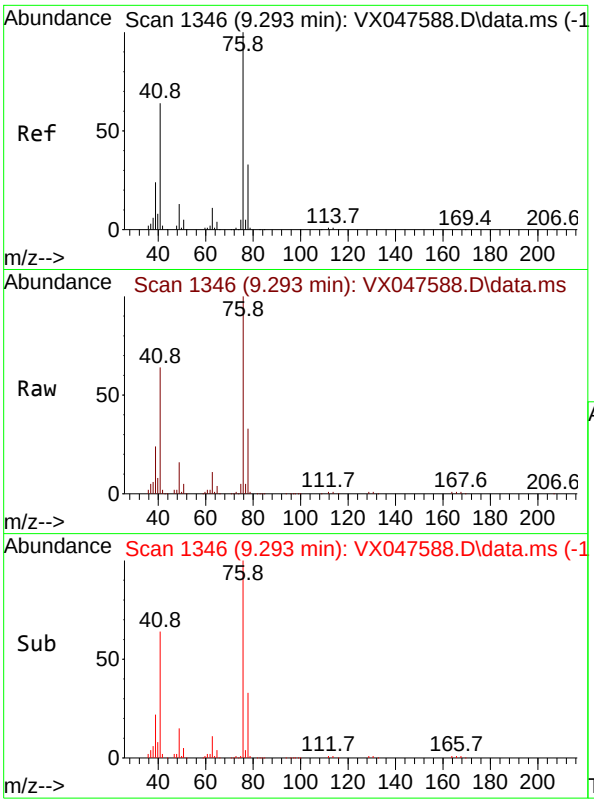



#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.2 | 58.6 | 87.8 |
| 39 | 39.4 | 31.5 | 47.3 |

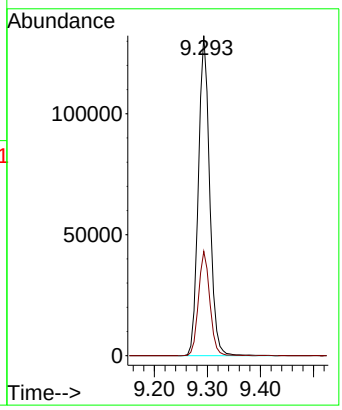





#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 76 Resp: 19598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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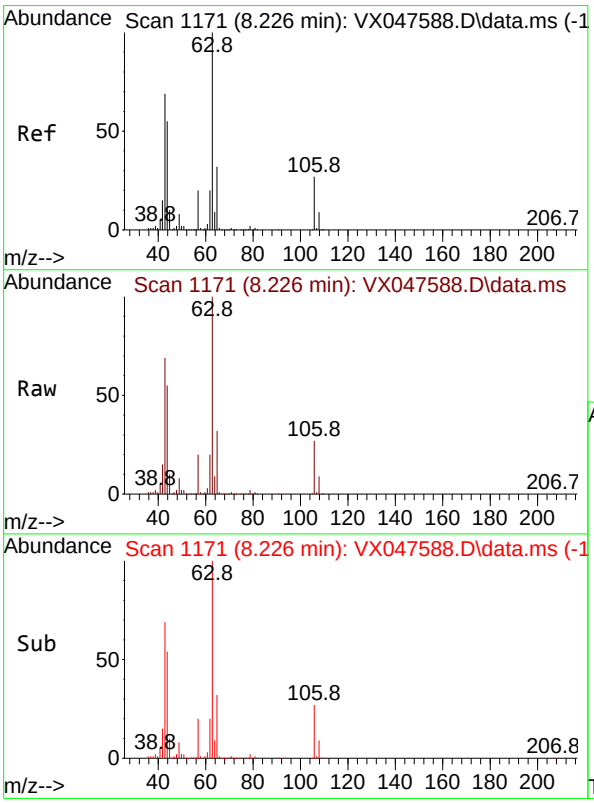
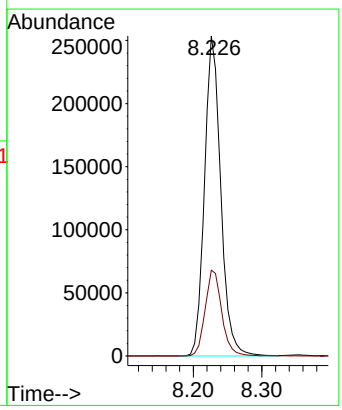
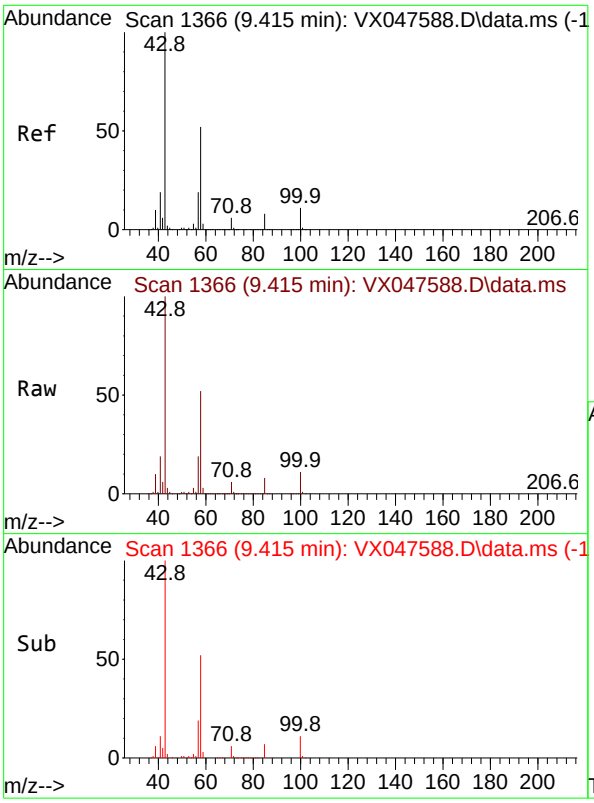



#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 55331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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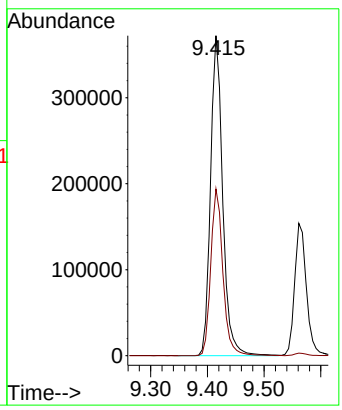
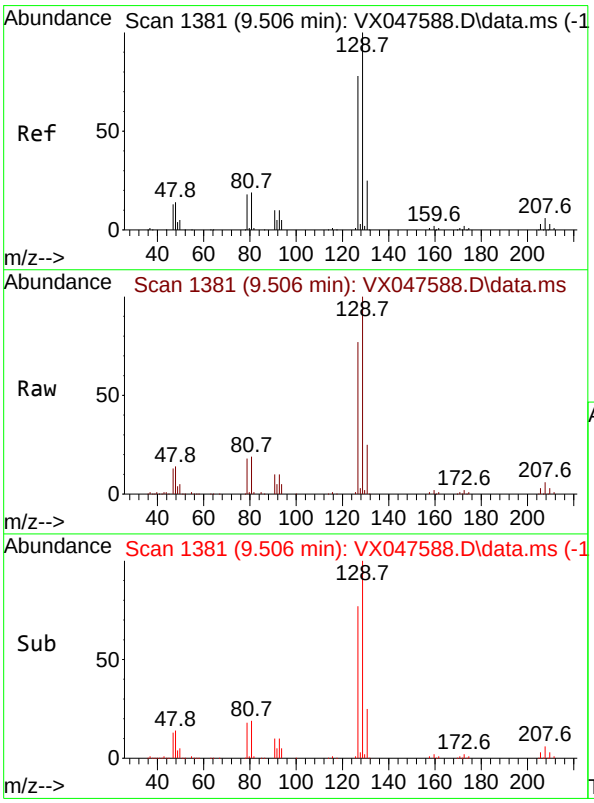
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

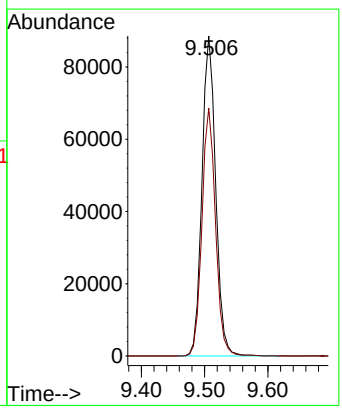


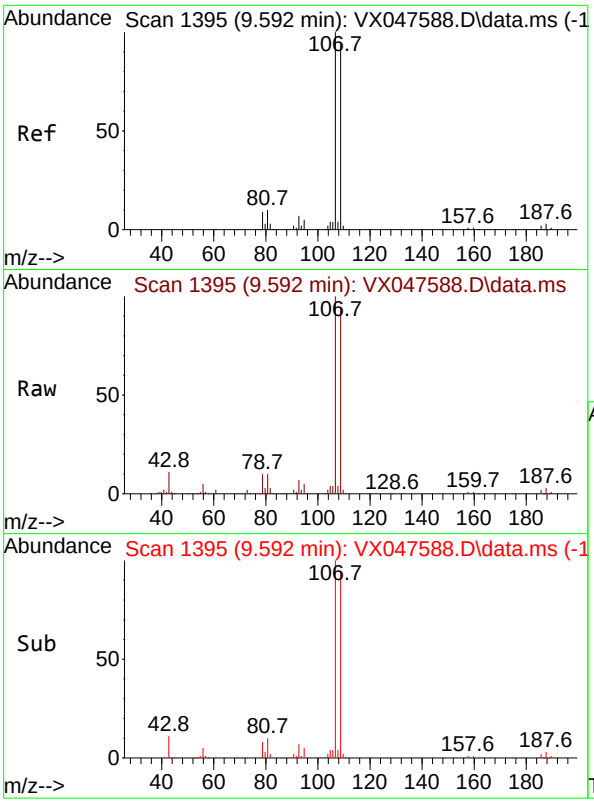




#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:107 Resp: 11646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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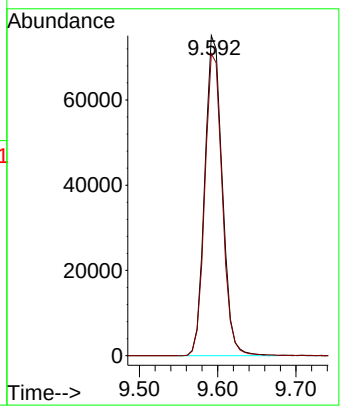
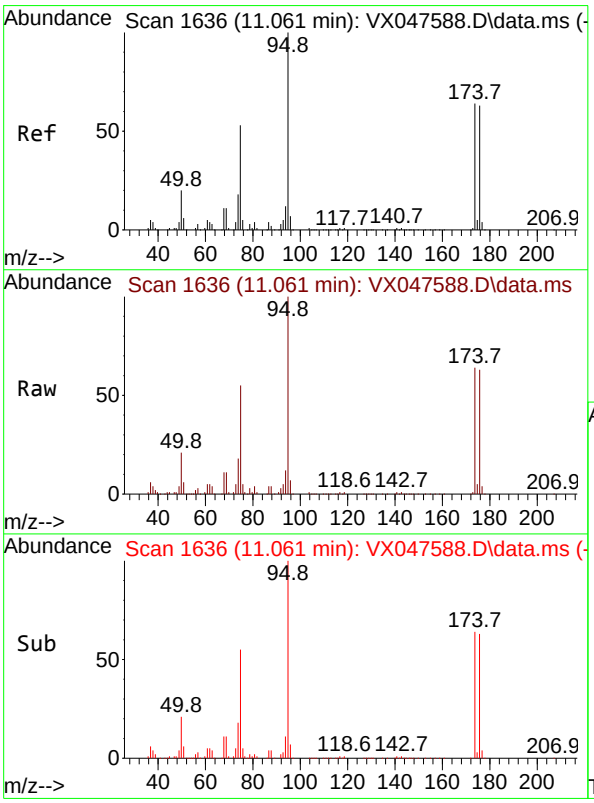
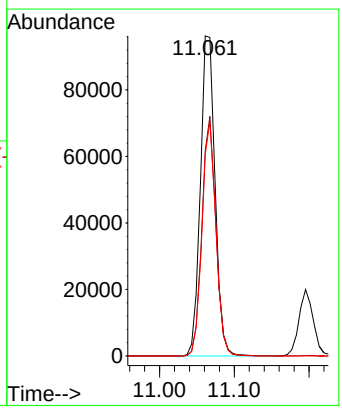


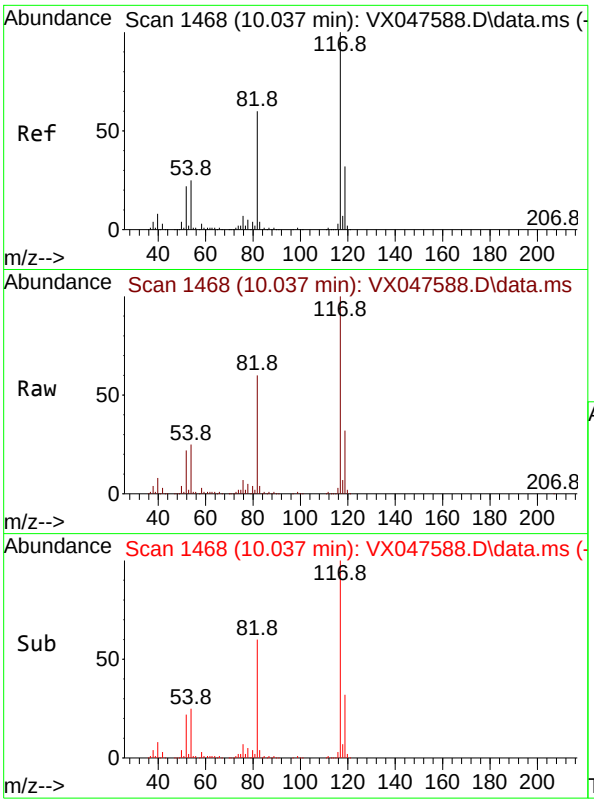




#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.8 | 0.0 | 141.6 |
| 176 | 69.2 | 0.0 | 138.4 |

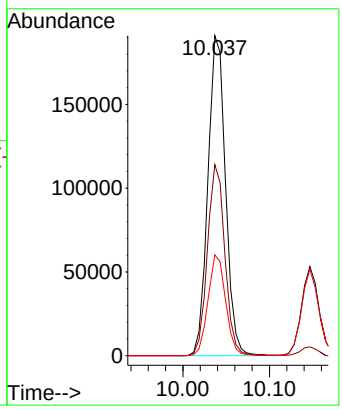





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 27004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.7 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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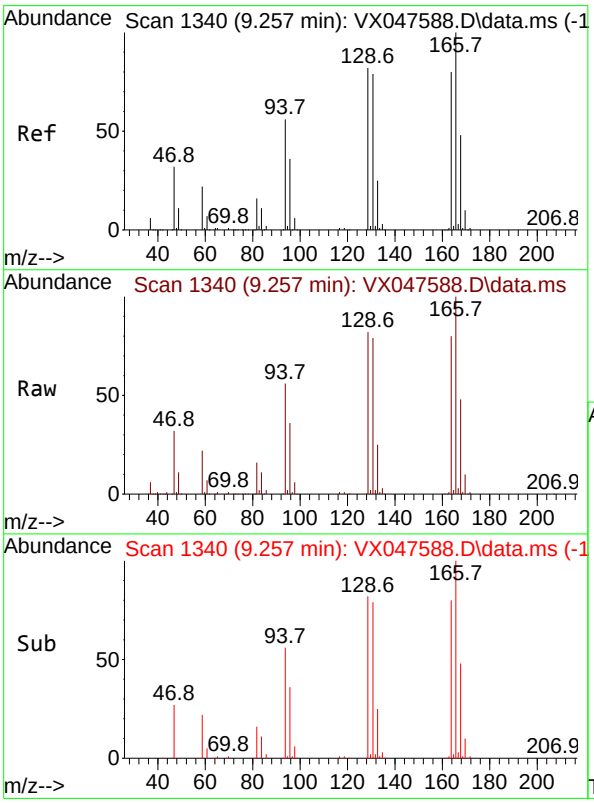
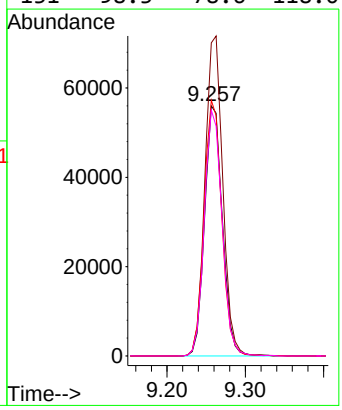
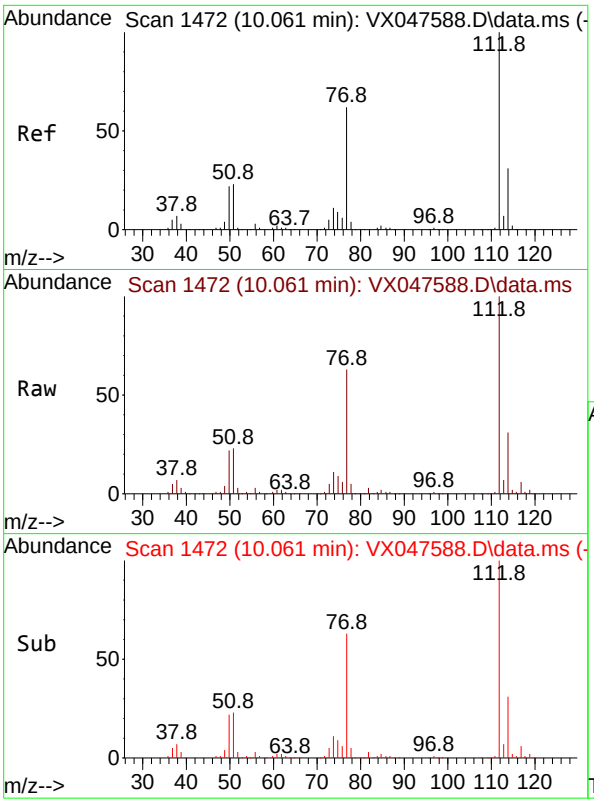



#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.2 | 100.2 | 150.2 |
| 129 | 102.2 | 81.8 | 122.6 |
| 131 | 98.3 | 78.6 | 118.0 |

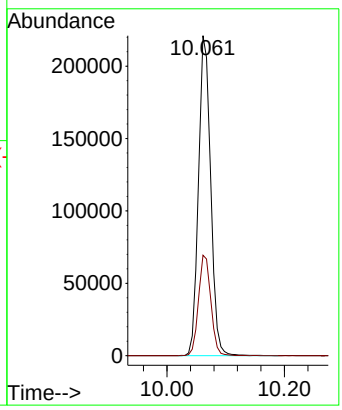





#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:112 Resp: 31798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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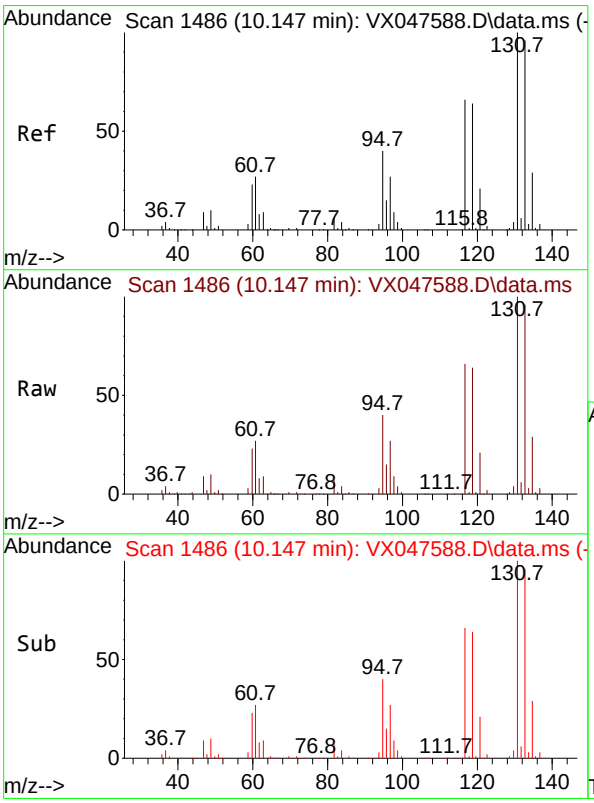
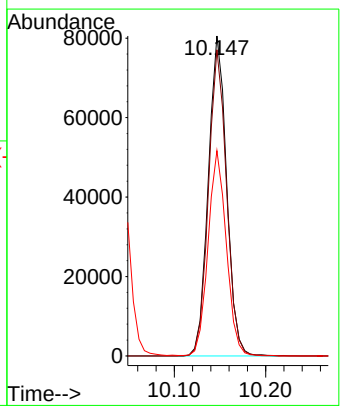
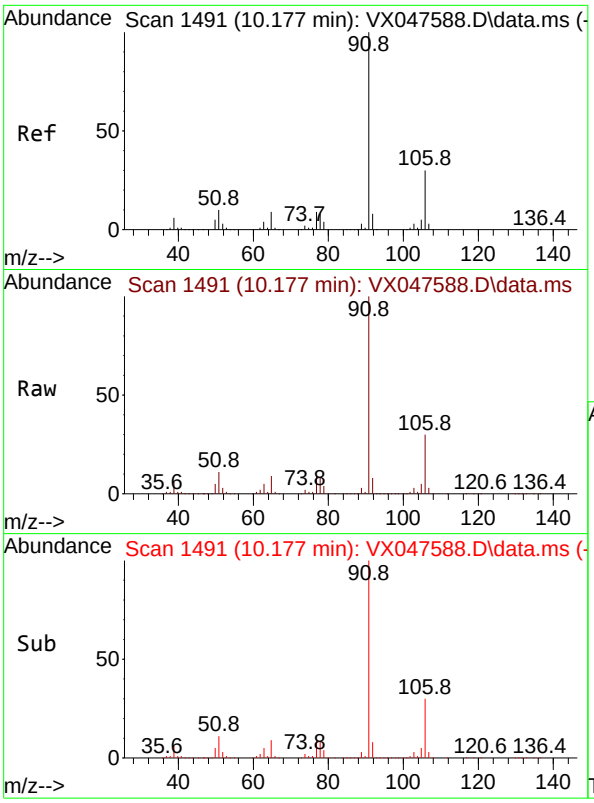



#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.3 | 142.0 |
| 119 | 64.0 | 32.0 | 96.0 |






#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

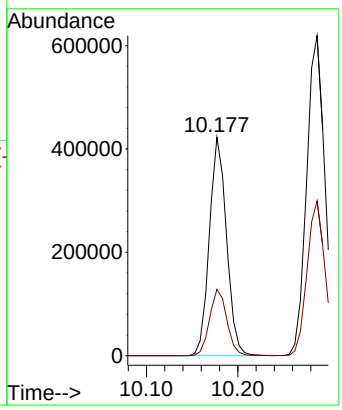
Tgt Ion: 91 Resp: 55061

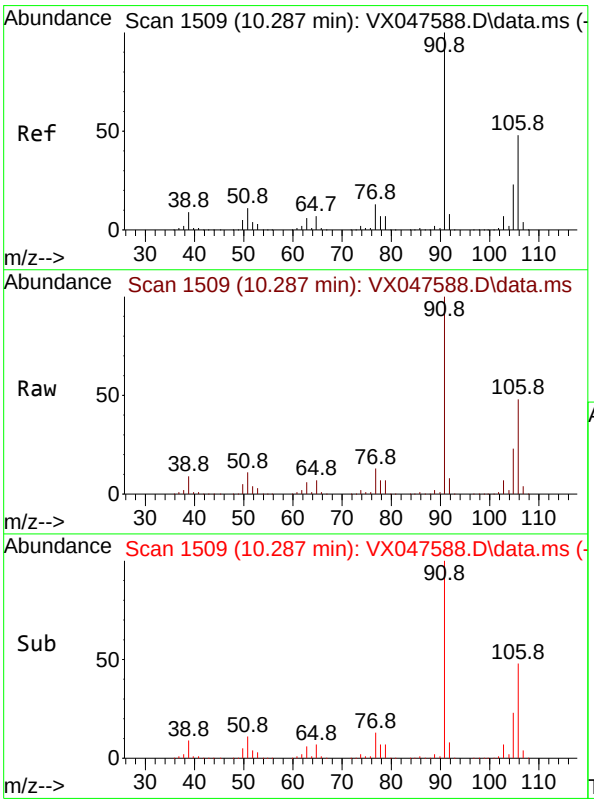
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.3 | 36.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

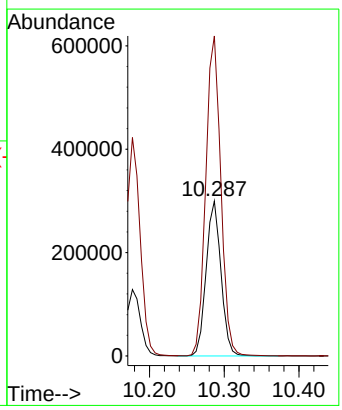


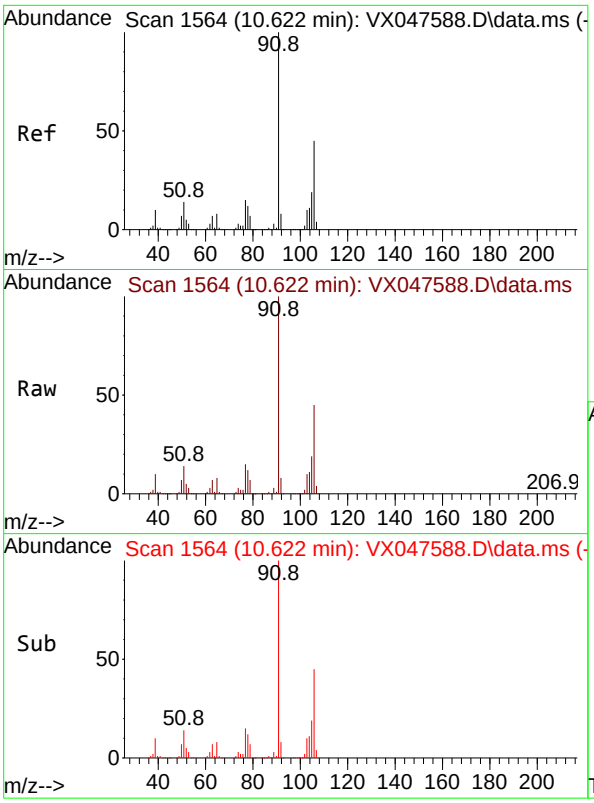




#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.8 | 167.8 | 251.8 |






#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

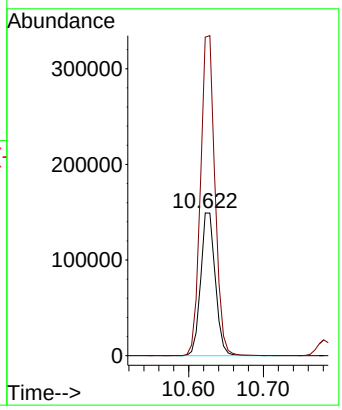
Tgt Ion:106 Resp: 20229

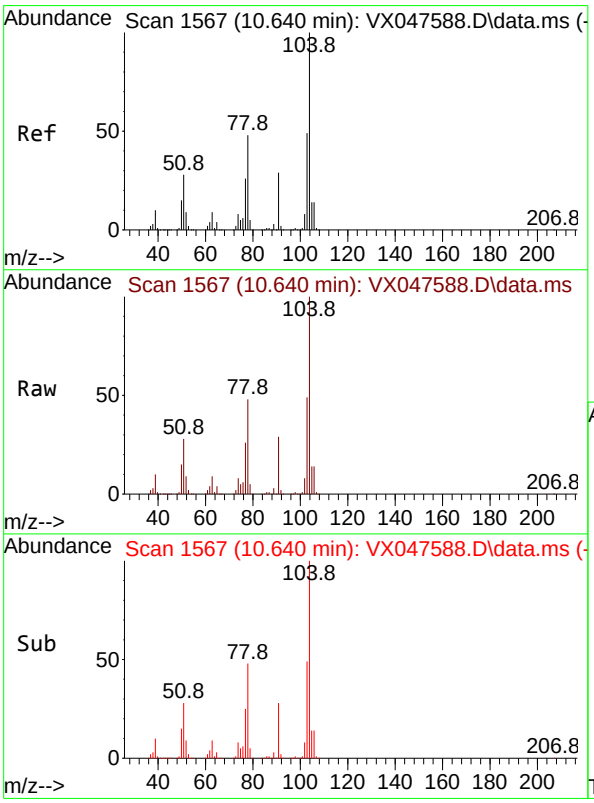
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 111.1 | 333.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

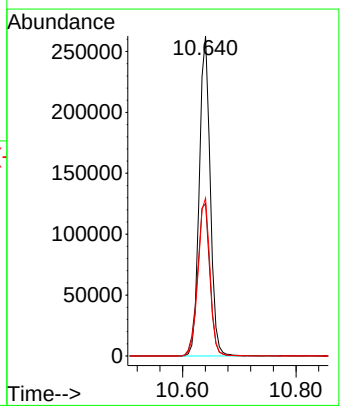


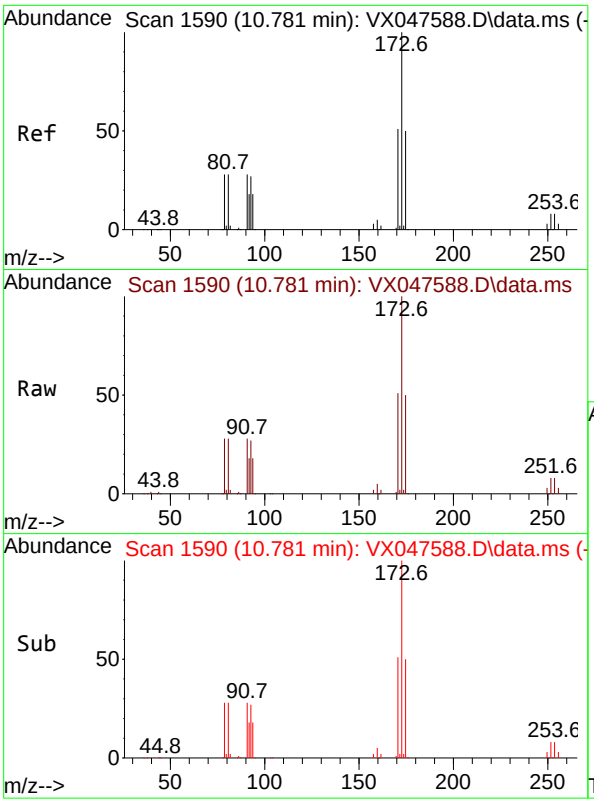




#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 43.1 | 64.7 |
| 103 | 53.9 | 43.1 | 64.7 |

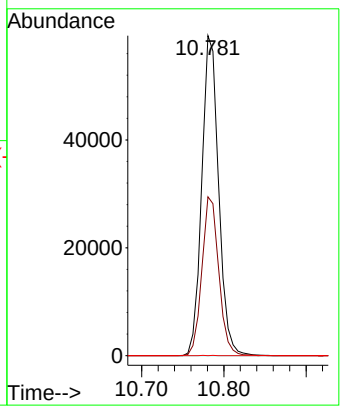





#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:173 Resp: 8448

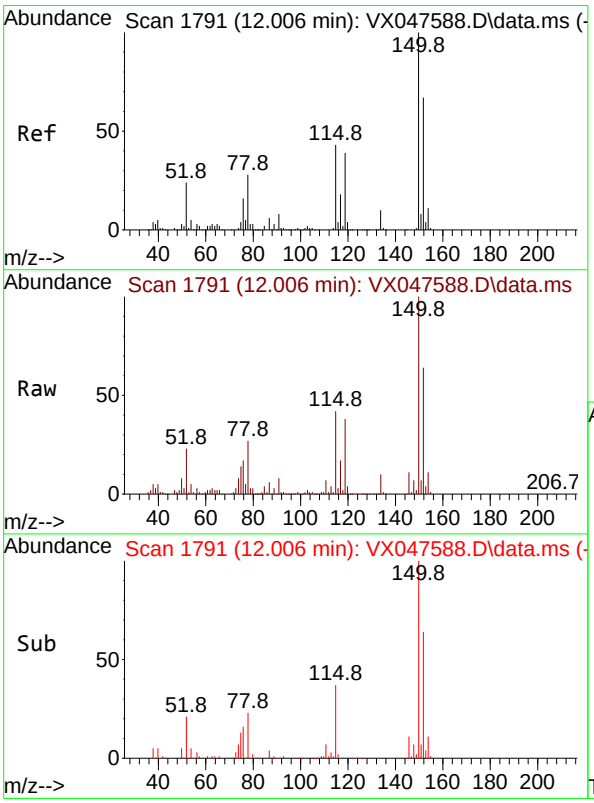
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

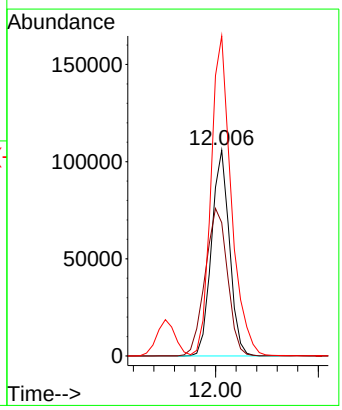
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

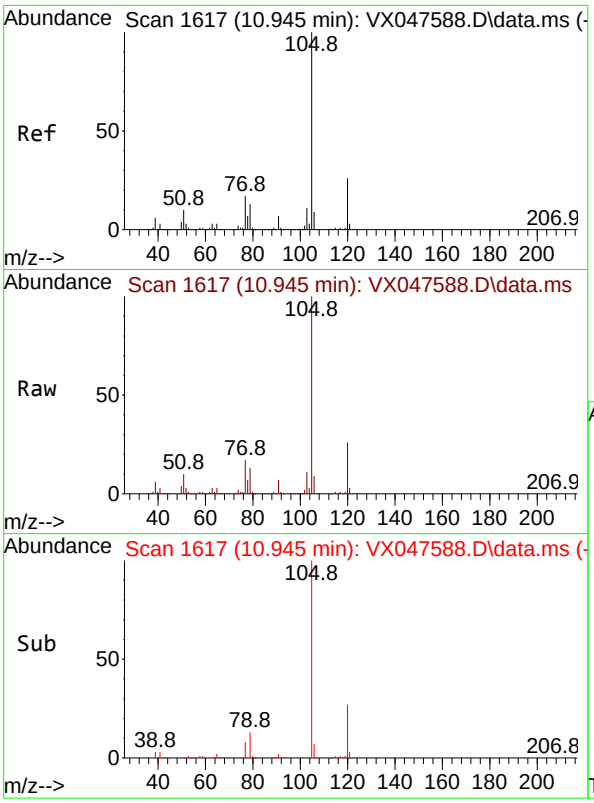



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.7 | 44.9 | 134.5 |
| 150 | 176.0 | 0.0 | 352.0 |

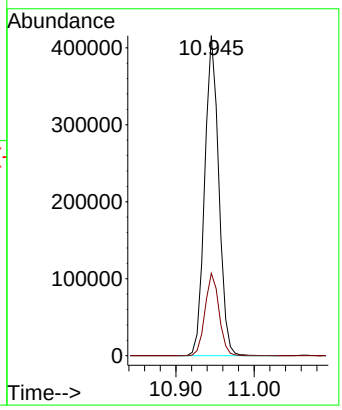





#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51689

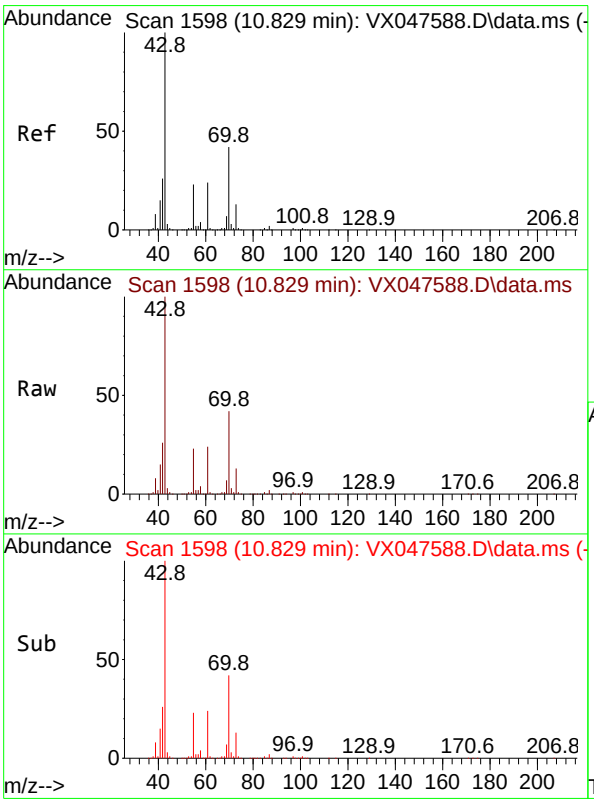
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

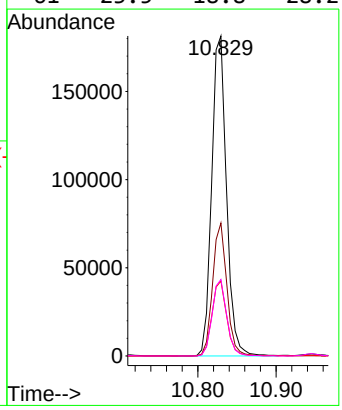
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

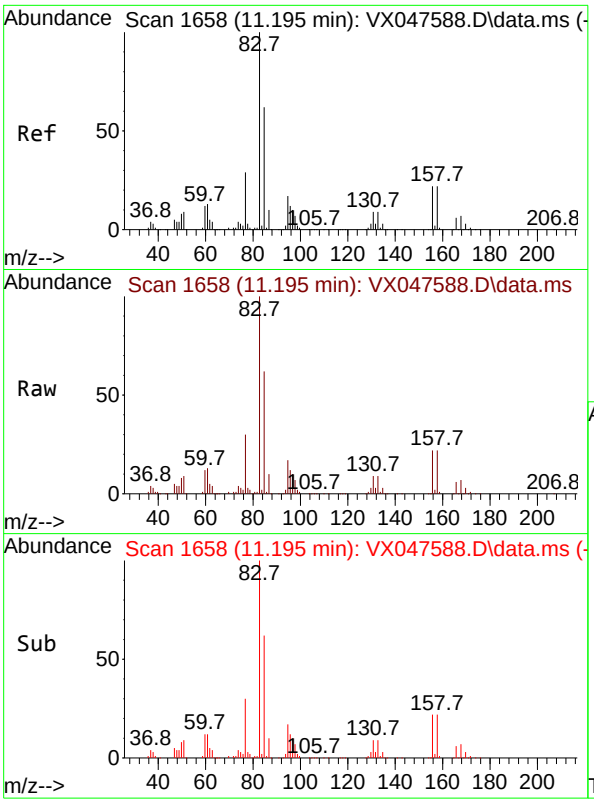



#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.0 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

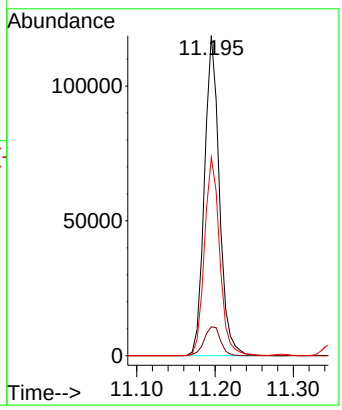
Tgt Ion: 83 Resp: 15645

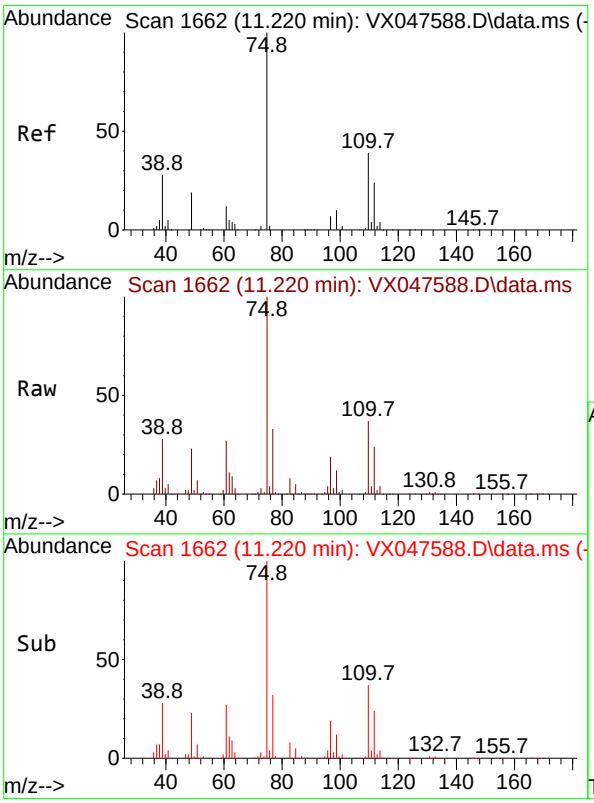
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 63.3 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

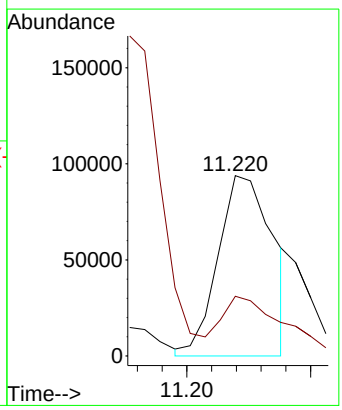


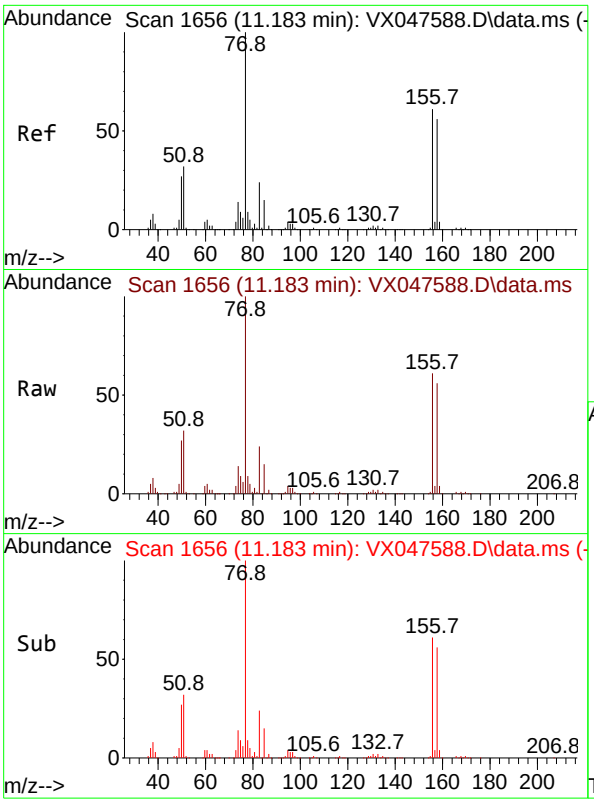




#76
1,2,3-Trichloropropane
Concen: 54.322 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 144074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.6 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

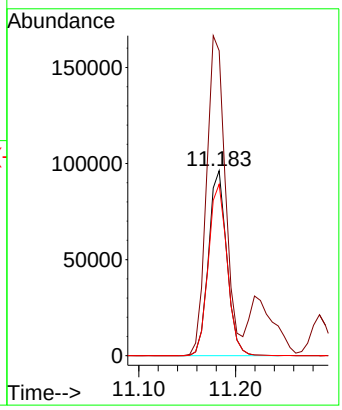
Tgt Ion:156 Resp: 12617

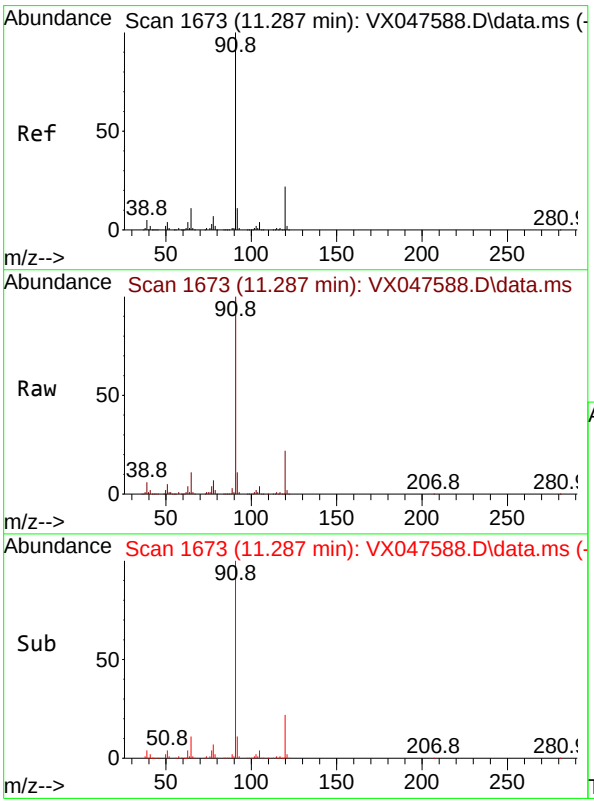
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.4 | 89.7 | 269.1 |
| 158 | 95.7 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

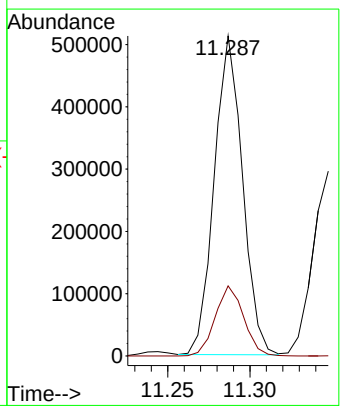


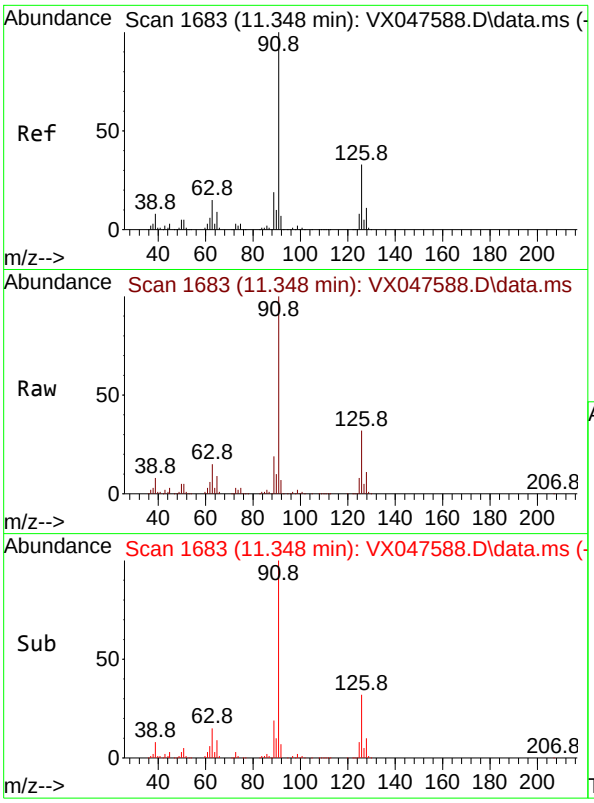




#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.1 | 33.1 |






#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

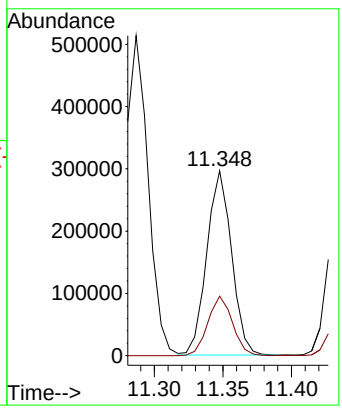
Tgt Ion: 91 Resp: 37239

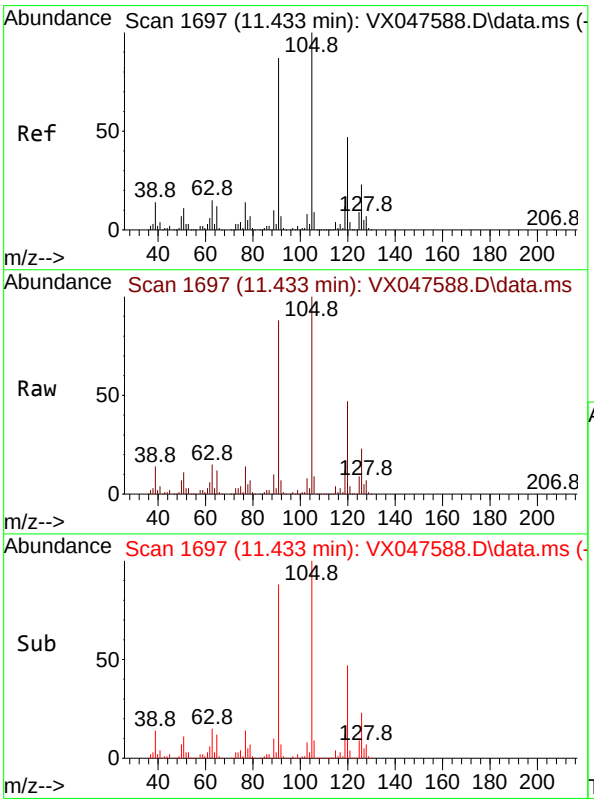
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.2 | 16.1 | 48.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

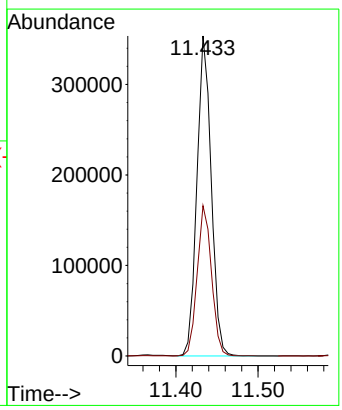


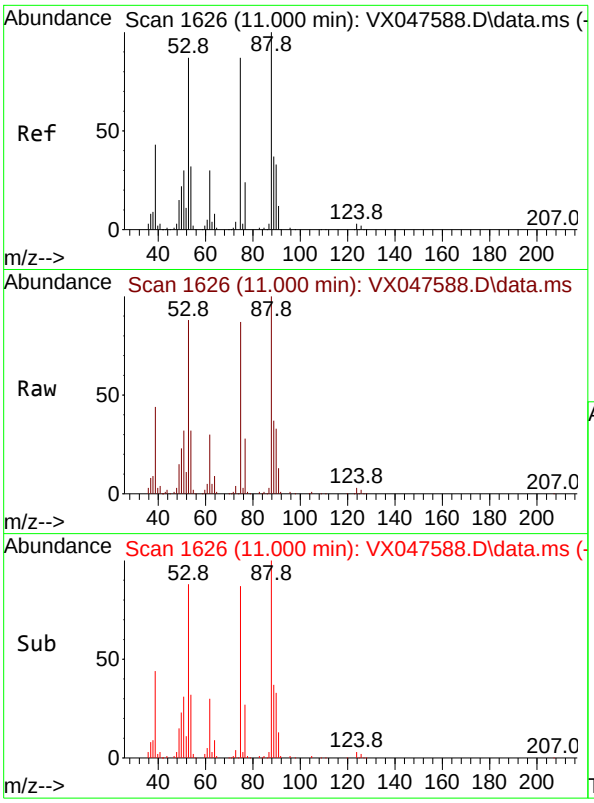




#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

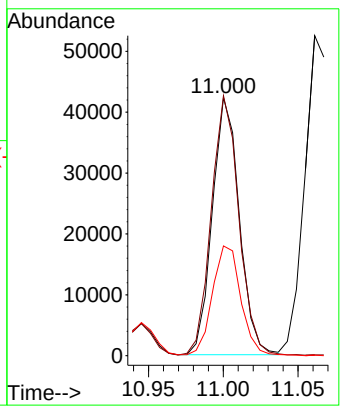
Tgt Ion: 75 Resp: 5292

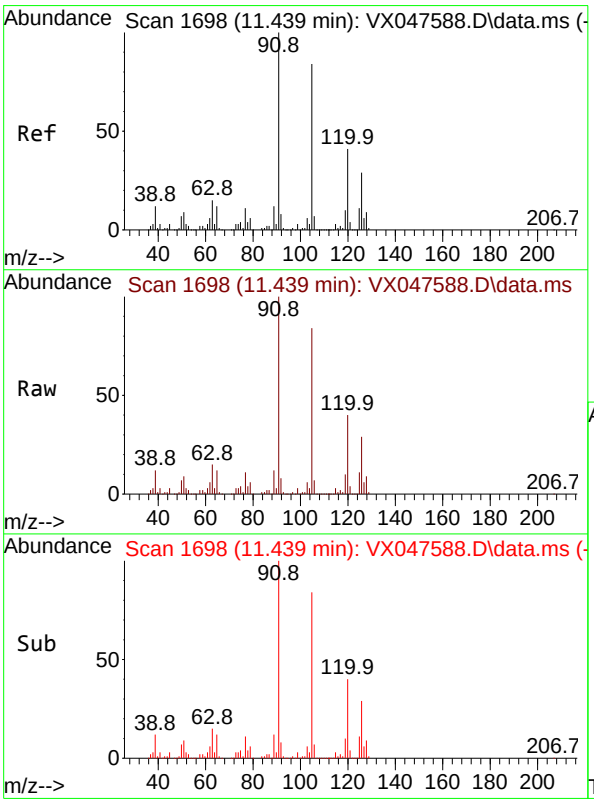
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.3 | 83.4 | 125.2 |
| 89 | 45.4 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

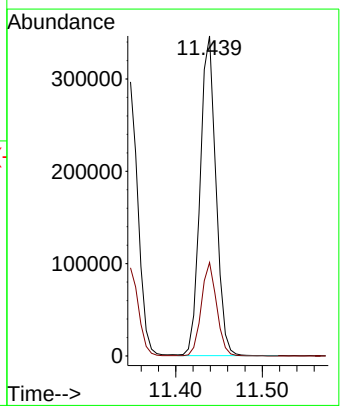


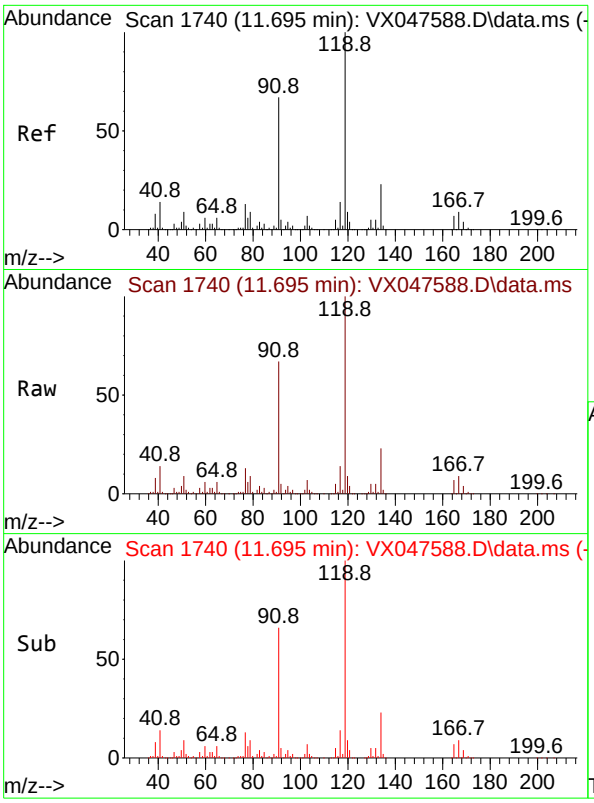




#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.4 | 14.2 | 42.6 |

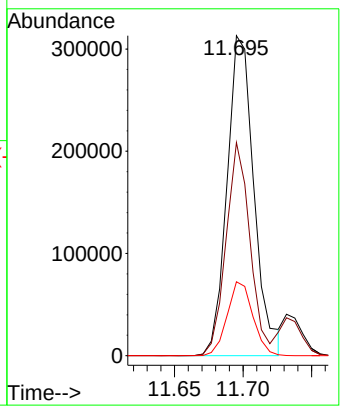





#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 42910

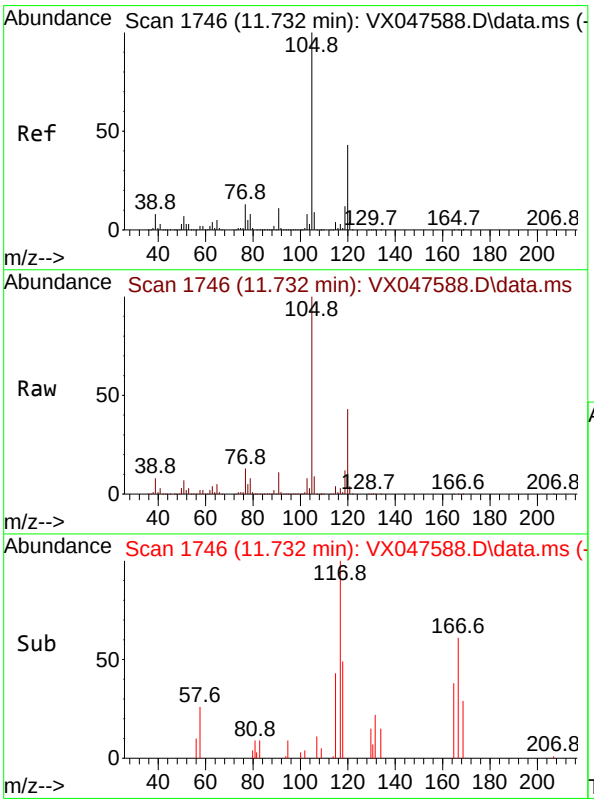
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 22.0 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

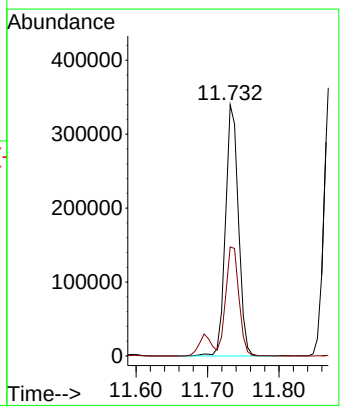
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

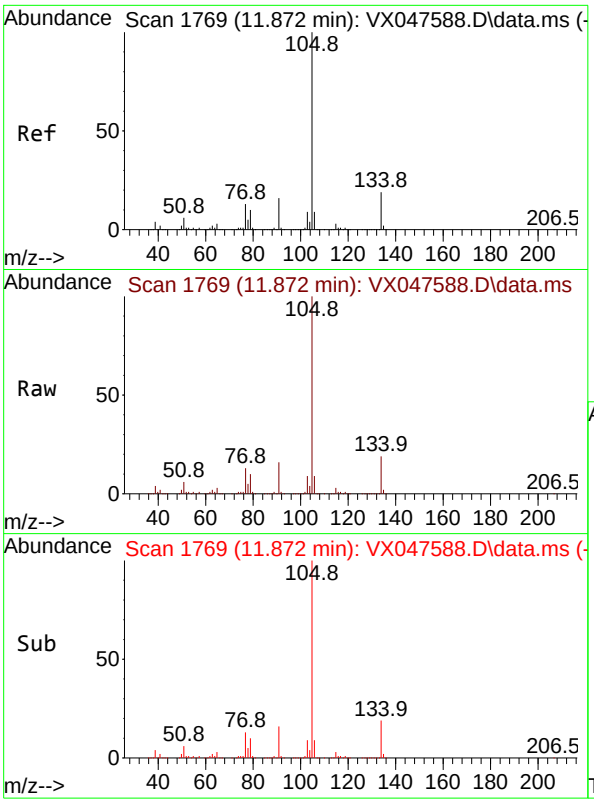



#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |

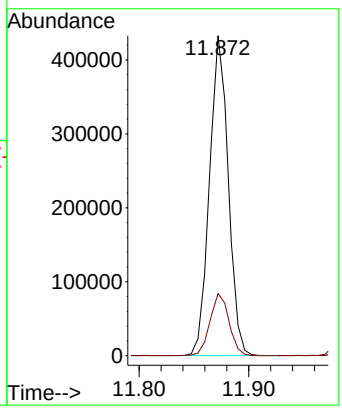





#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 51444

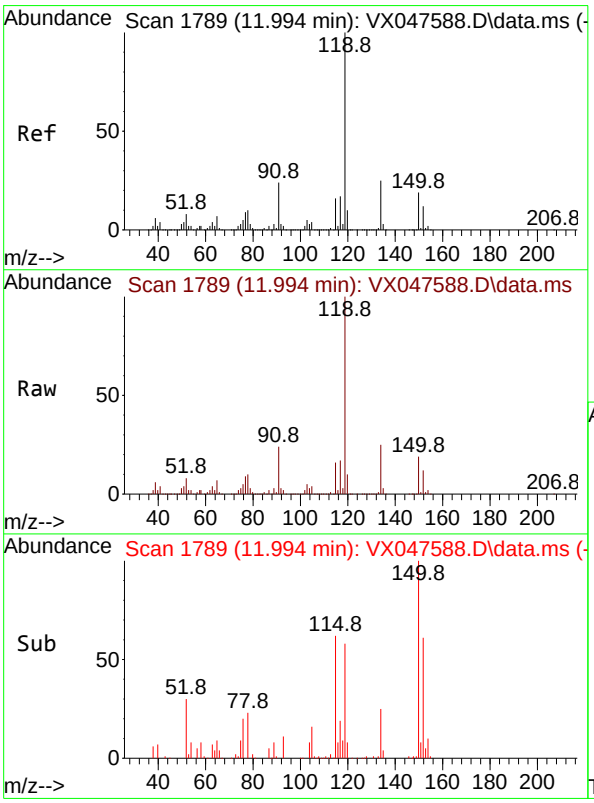
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

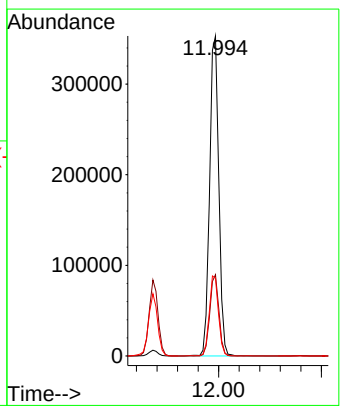
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

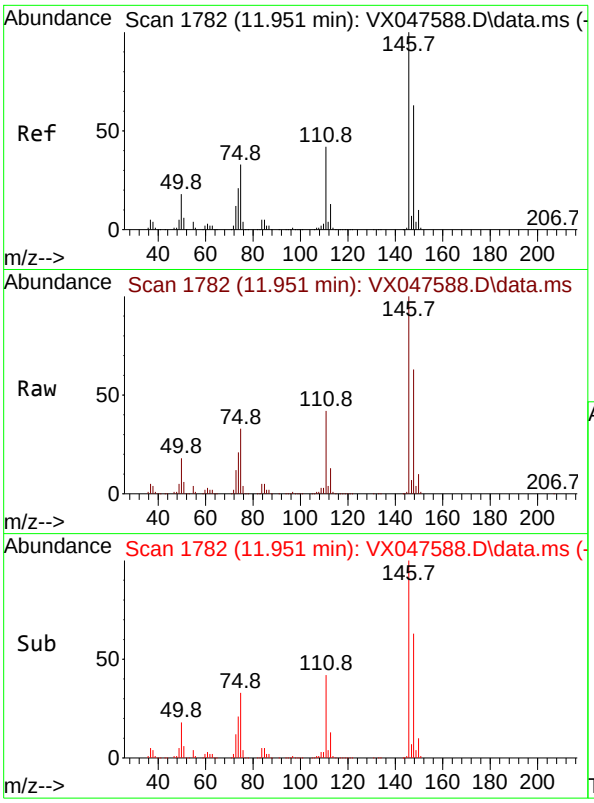



#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.2 | 12.6 | 37.8 |
| 91 | 25.1 | 12.6 | 37.6 |

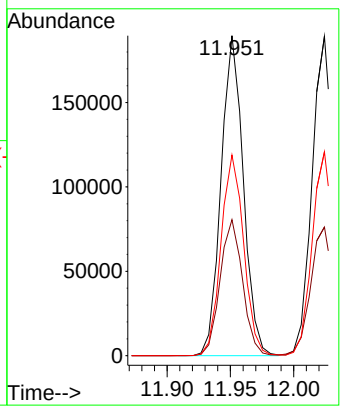





#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 23203

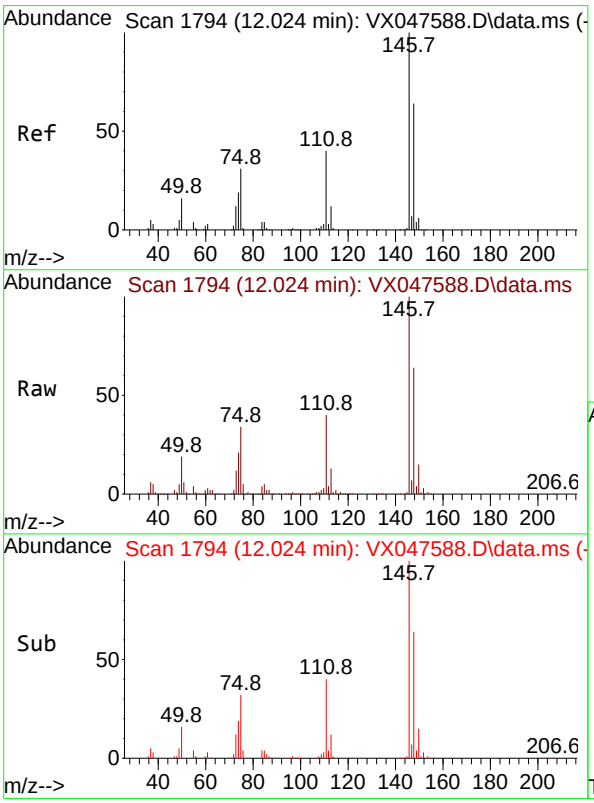
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.5 | 64.5 |
| 148 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

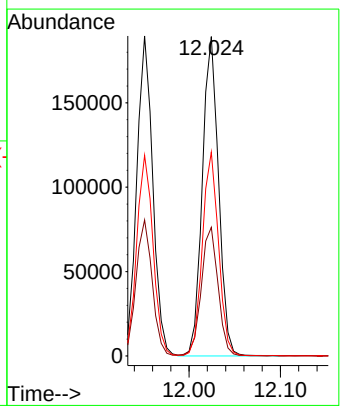
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

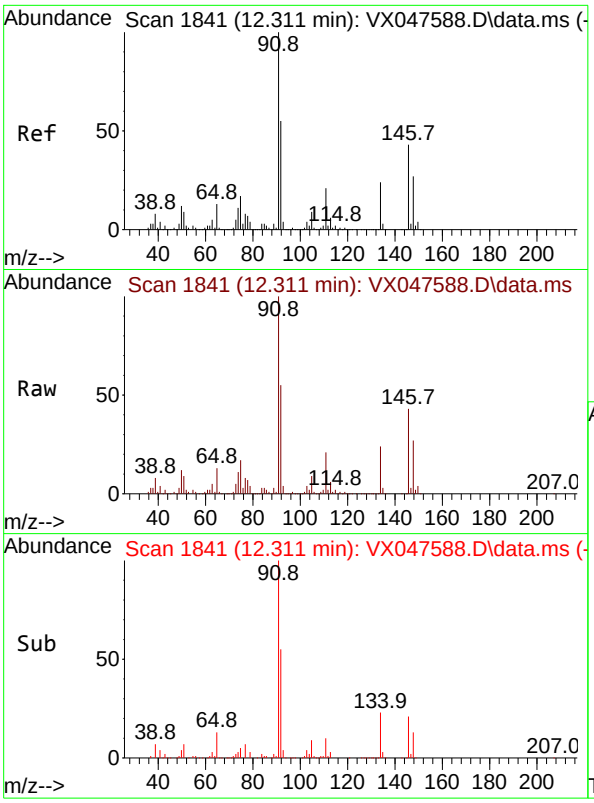



#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 63.4 | 31.7 | 95.1 |

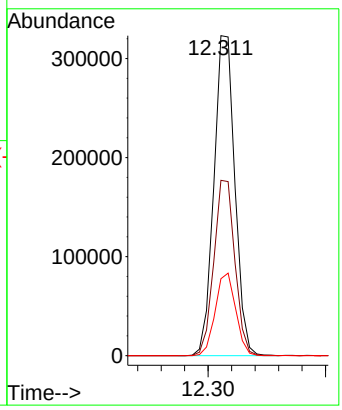





#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 40099

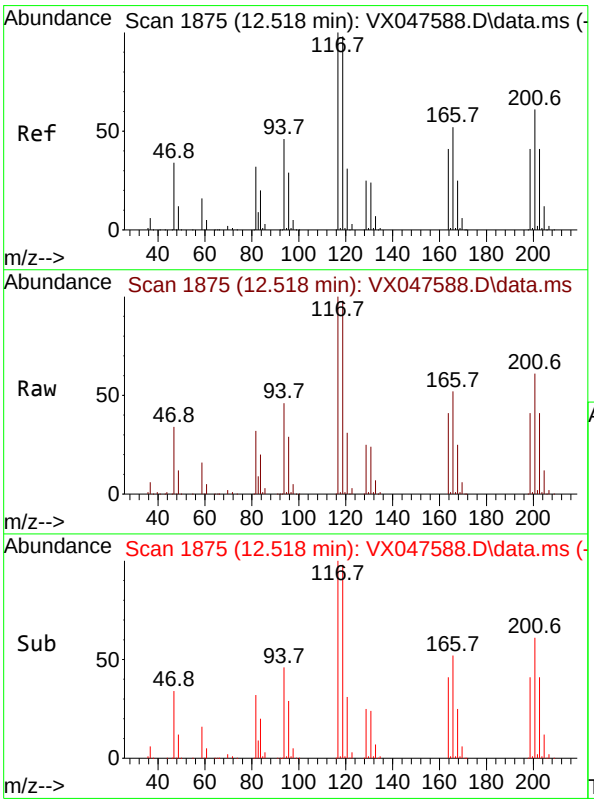
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.1 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

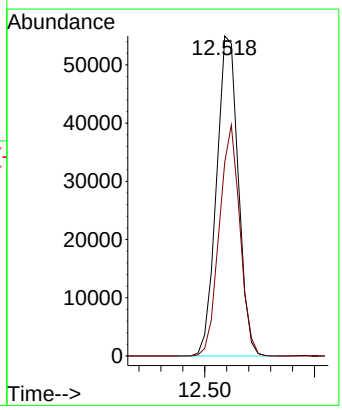
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

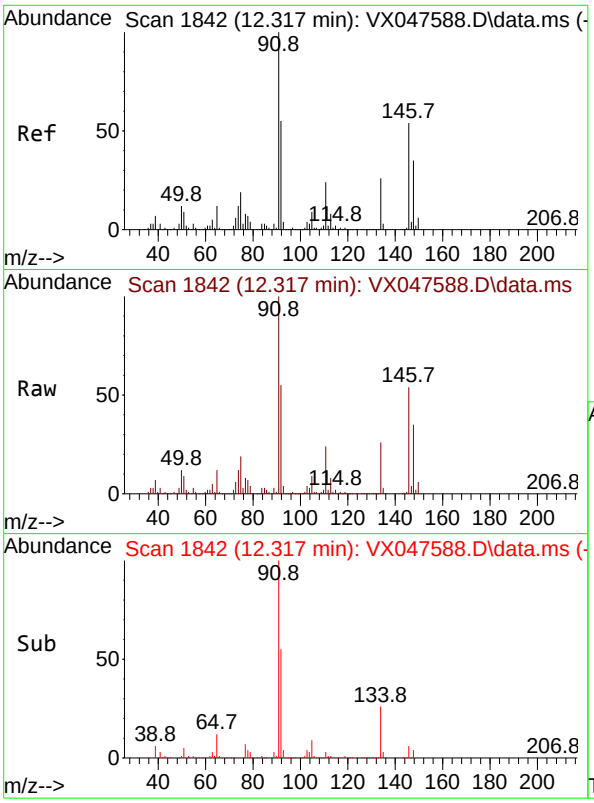



#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.3 | 34.2 | 102.5 |

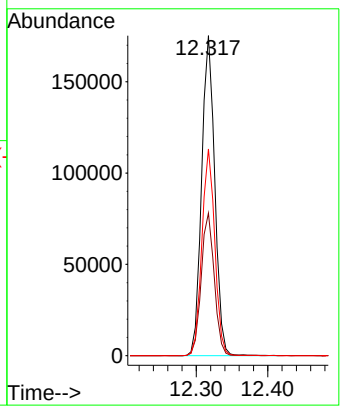





#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 22299

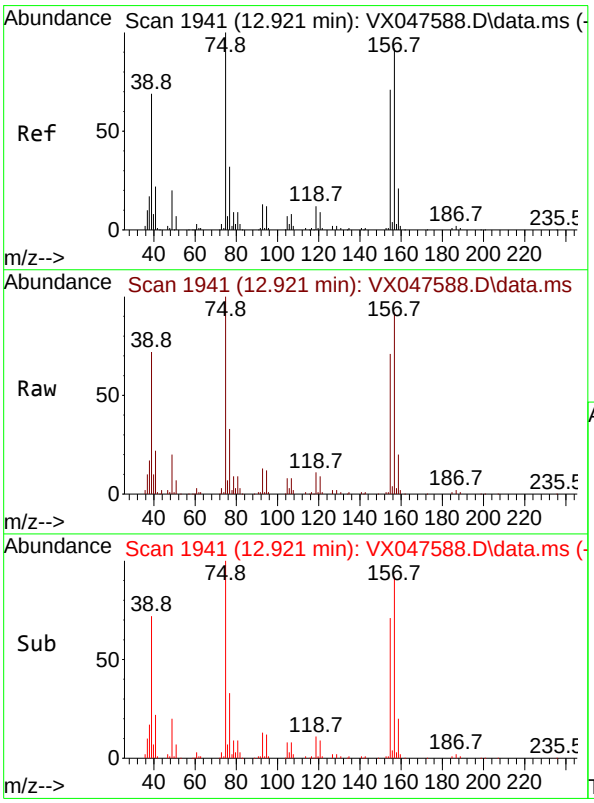
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 22.2 | 66.6 |
| 148 | 63.6 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

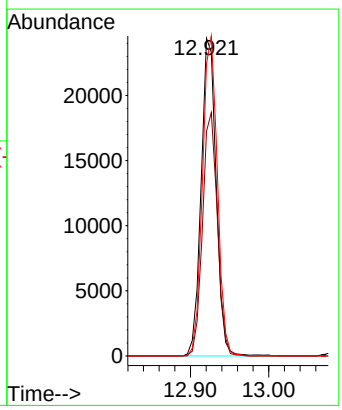
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

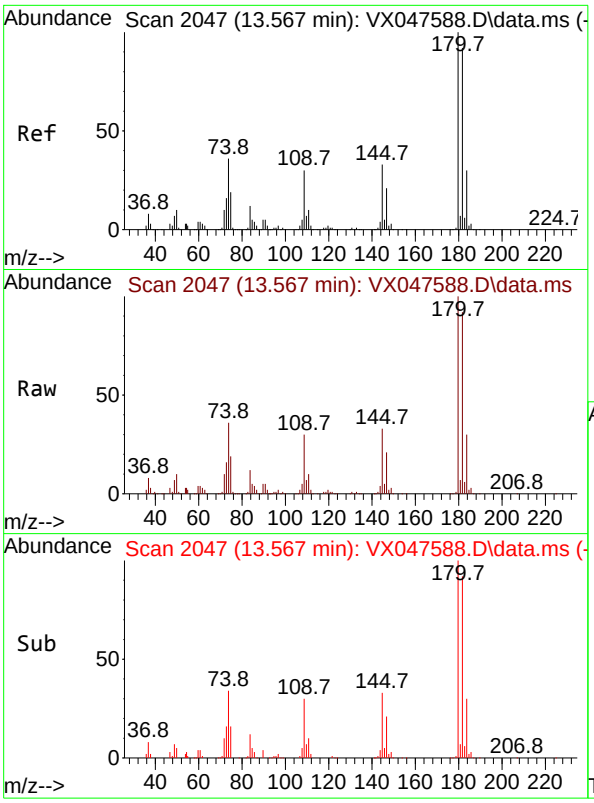



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 75.4 | 37.7 | 113.1 |
| 157 | 99.6 | 49.8 | 149.4 |

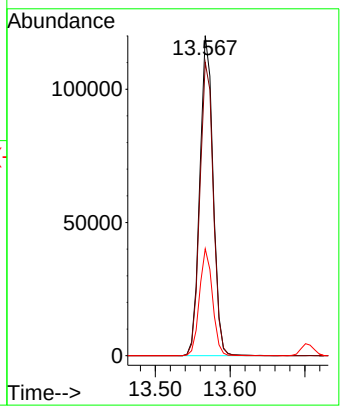





#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 14767

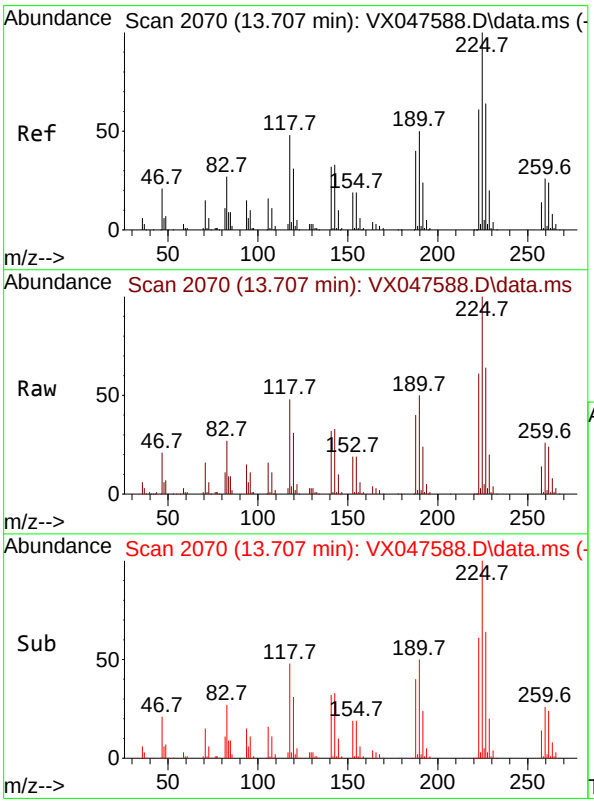
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.6 | 139.8 |
| 145 | 32.7 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

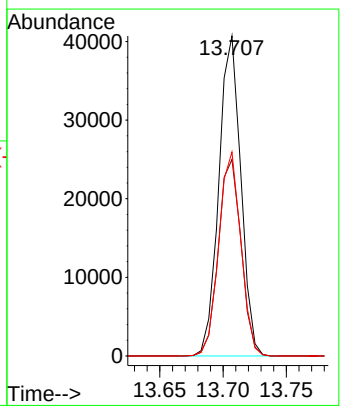
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

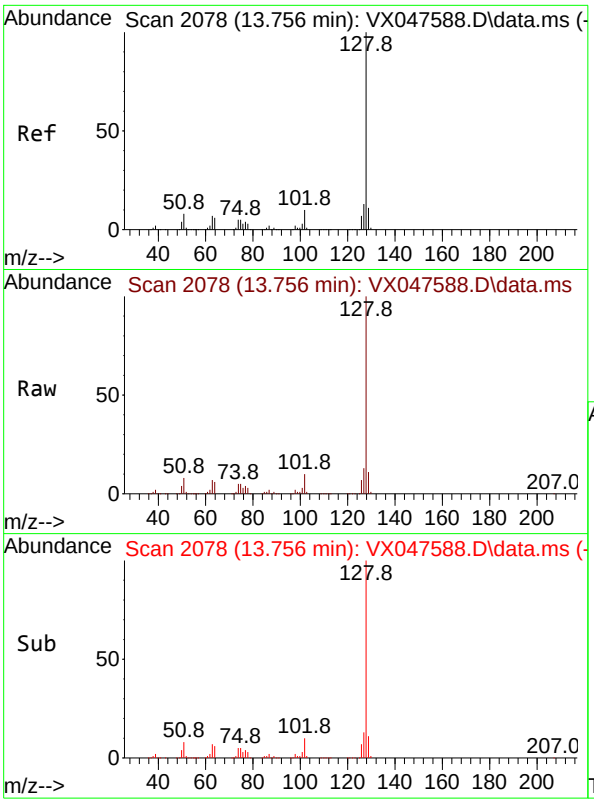



#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 31.7 | 95.1 |
| 227 | 64.0 | 32.0 | 96.0 |

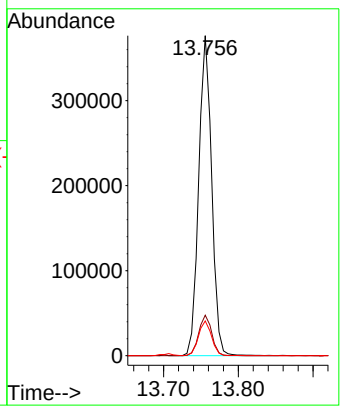





#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:128 Resp: 45201

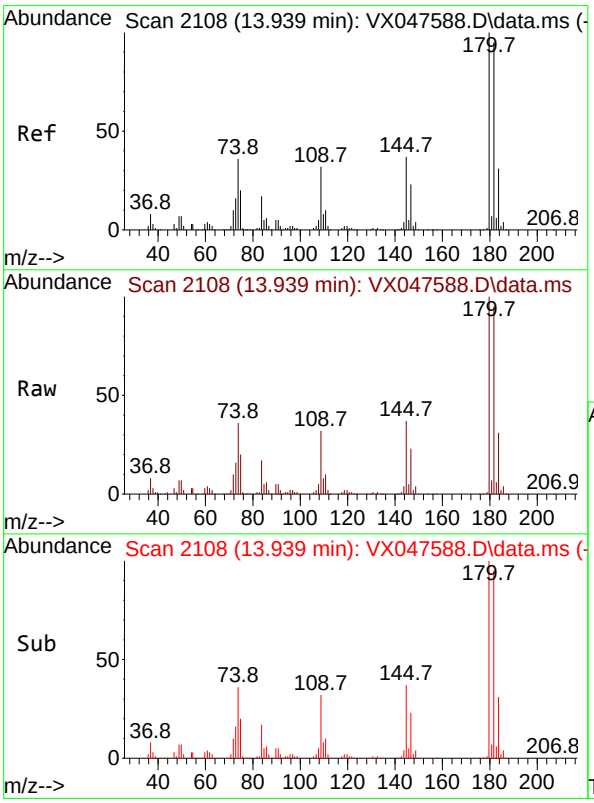
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.0 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

**Manual Integrations**
**APPROVED**

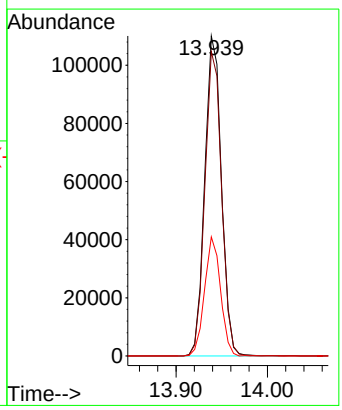
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.6 | 142.8 |
| 145 | 35.8 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 169280 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 298913 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 258399 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 122218 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 275758 | 102.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 204.680%# | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 212419 | 105.962 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 211.920%# | | | |
| 50) Toluene-d8 | 8.629 | 98 | 724078 | 104.386 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 208.780%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 270289 | 102.672 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 205.340%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 172727 | 98.537 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 229165 | 99.472 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 229175 | 101.621 | ug/l | 100 |
| 5) Bromomethane | 1.611 | 94 | 143113 | 100.076 | ug/l | 99 |
| 6) Chloroethane | 1.691 | 64 | 152487 | 101.167 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 344488 | 102.878 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 142038 | 103.695 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 199843 | 102.067 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 313092 | 102.531 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 152108 | 506.863 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 206097 | 102.473 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 150793 | 545.276 | ug/l | 97 |
| 14) Allyl chloride | 2.660 | 41 | 415140 | 100.028 | ug/l | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 581240 | 522.897 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 510542 | 435.772 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 537888 | 97.693 | ug/l | 98 |
| 18) Methyl Acetate | 2.697 | 43 | 292867 | 112.324 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 748952 | 102.011 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 242548 | 97.805 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 217759 | 100.566 | ug/l | 98 |
| 22) Diisopropyl ether | 3.745 | 45 | 811840 | 100.934 | ug/l | 88 |
| 23) Vinyl Acetate | 3.709 | 43 | 3314707 | 514.916 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 435815 | 101.944 | ug/l | 98 |
| 25) 2-Butanone | 4.532 | 43 | 700827 | 479.558 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 357292 | 100.542 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 266550 | 100.516 | ug/l | 100 |
| 28) Bromochloromethane | 4.873 | 49 | 198788 | 106.512 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.977 | 42 | 443530 | 504.502 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 433937 | 100.447 | ug/l | 100 |
| 31) Cyclohexane | 5.452 | 56 | 332995 | 93.523 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 372323 | 101.607 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 281650 | 96.149 | ug/l | 98 |
| 37) Ethyl Acetate | 4.690 | 43 | 318793 | 101.641 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 314745 | 98.891 | ug/l | 98 |
| 39) Methylcyclohexane | 7.360 | 83 | 327858 | 98.600 | ug/l | 98 |
| 40) Benzene | 6.019 | 78 | 880885 | 99.009 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 168753 | 104.220 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 331465 | 97.916 ug/l | 100 |
| 43) Isopropyl Acetate | 6.318 | 43 | 516875 | 100.482 ug/l | 99 |
| 44) Trichloroethene | 7.104 | 130 | 217753 | 101.234 ug/l | 96 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 228150 | 100.145 ug/l | 100 |
| 46) Dibromomethane | 7.562 | 93 | 164987 | 99.519 ug/l | 99 |
| 47) Bromodichloromethane | 7.806 | 83 | 345991 | 101.136 ug/l | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 260358 | 101.612 ug/l | 100 |
| 49) 1,4-Dioxane | 7.641 | 88 | 56717 | 2190.315 ug/l | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 1431253 | 501.834 ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 536148 | 97.811 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 355881 | 101.986 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 380577 | 102.038 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 205939 | 97.434 ug/l | 97 |
| 56) Ethyl methacrylate | 9.098 | 69 | 346659 | 104.435 ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 362848 | 99.935 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 836362 | 499.814 ug/l | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 996274 | 486.380 ug/l | 100 |
| 60) Dibromochloromethane | 9.506 | 129 | 251394 | 103.226 ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 217751 | 101.147 ug/l | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 165559 | 98.284 ug/l | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 588517 | 100.253 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 208621 | 102.988 ug/l | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 1031346 | 101.823 ug/l | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 763898 | 202.624 ug/l | 99 |
| 69) o-Xylene | 10.622 | 106 | 372621 | 102.186 ug/l | 99 |
| 70) Styrene | 10.634 | 104 | 649863 | 101.710 ug/l | 100 |
| 71) Bromoform | 10.781 | 173 | 161188 | 106.566 ug/l | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 954900 | 102.768 ug/l | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 448344 | 105.812 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 281608 | 100.172 ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 229521m | 90.444 ug/l | |
| 77) Bromobenzene | 11.183 | 156 | 234666 | 102.541 ug/l | 98 |
| 78) n-propylbenzene | 11.287 | 91 | 1119728 | 101.941 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 683867 | 101.652 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 787327 | 103.134 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 102555 | 105.689 ug/l | 98 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 802929 | 101.054 ug/l | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 791896 | 101.333 ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 790557 | 102.144 ug/l | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 945321 | 101.840 ug/l | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 797643 | 101.501 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 432248 | 101.689 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 431839 | 98.985 ug/l | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 757239 | 104.138 ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 148048 | 107.304 ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 414491 | 102.352 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 61029 | 107.225 ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 278777 | 105.922 ug/l | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 92124 | 103.049 ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 854492 | 106.620 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 263512 | 107.633 ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
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\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
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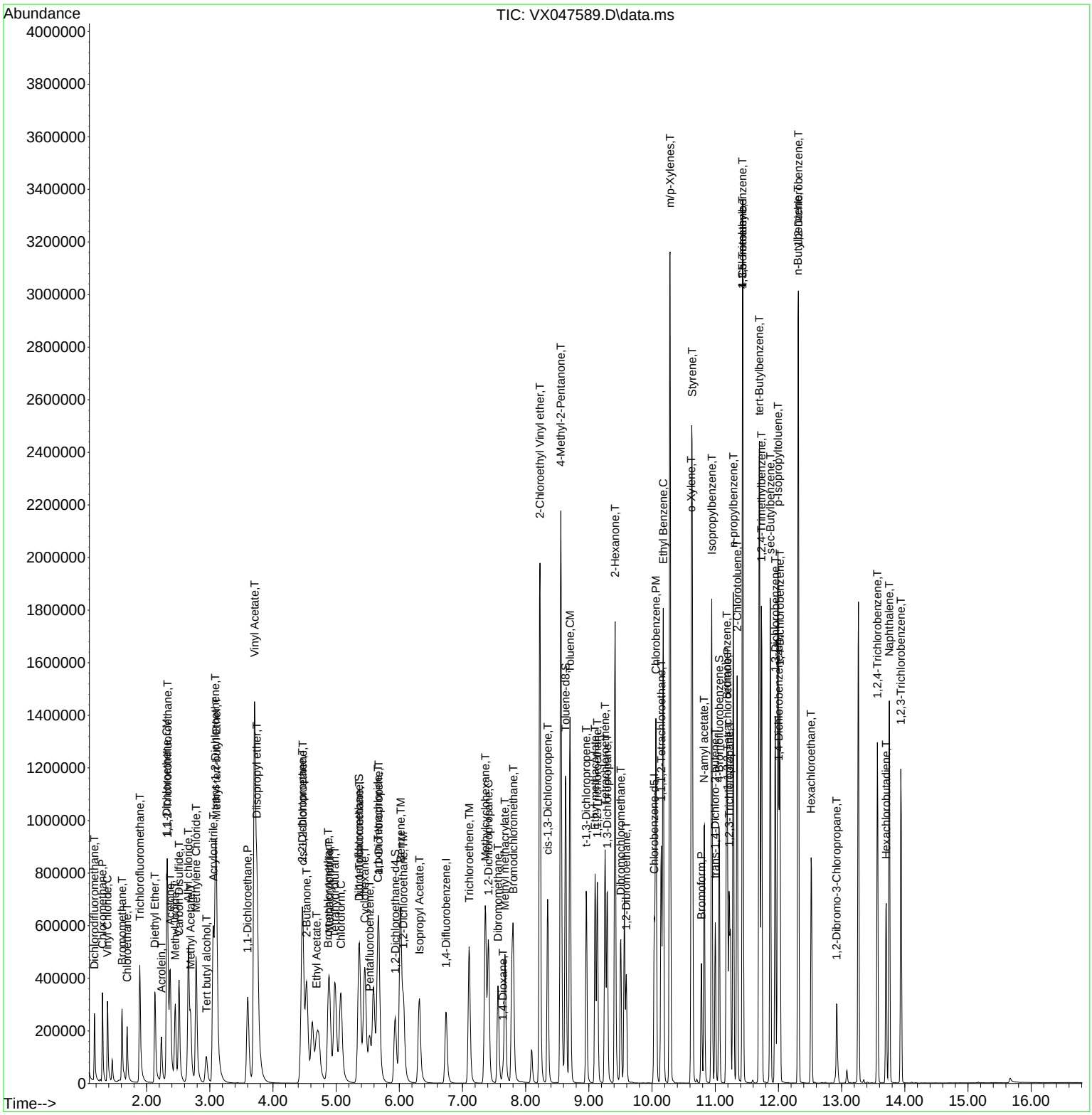
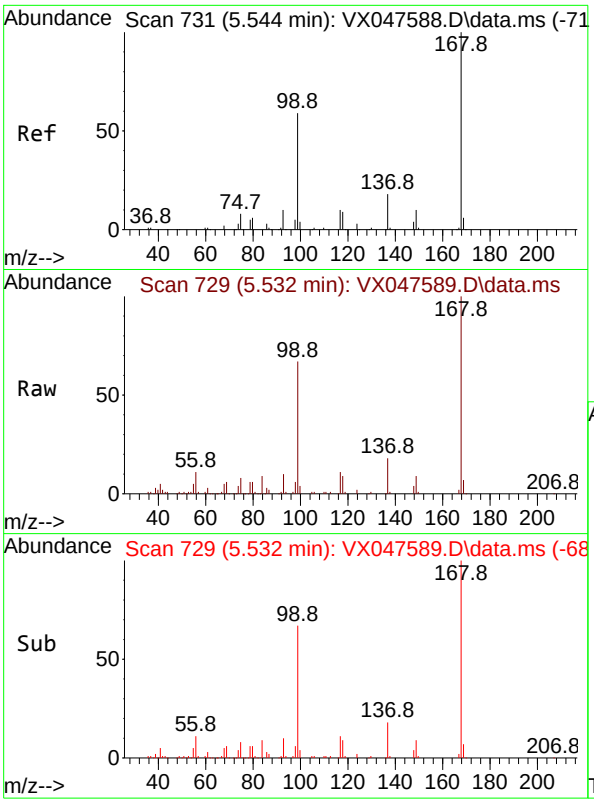
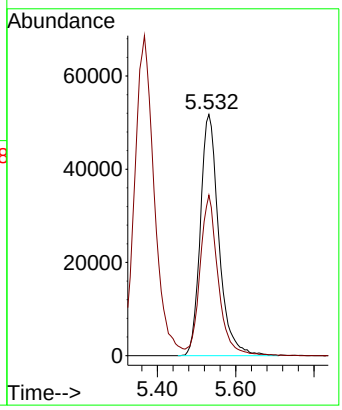





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:168 Resp: 16928

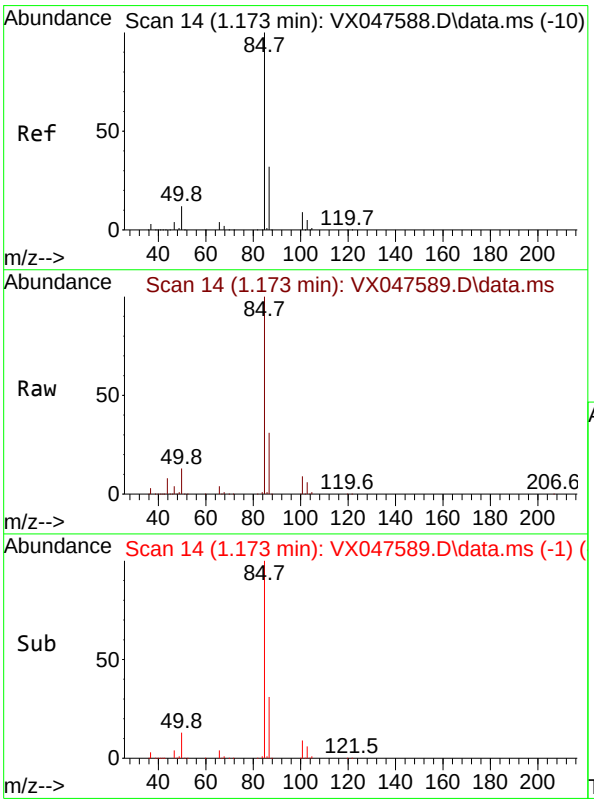
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

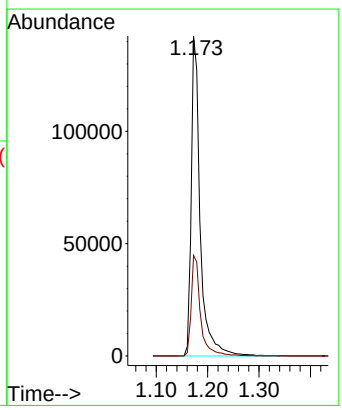
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

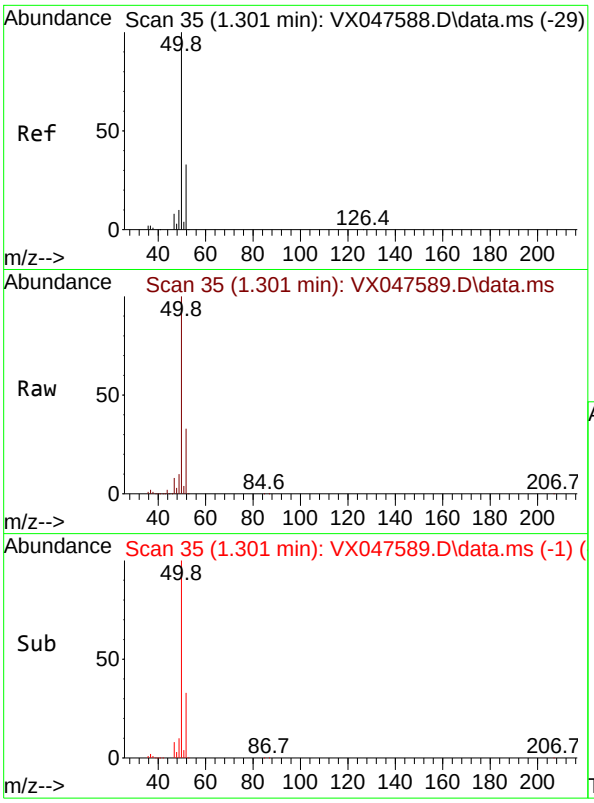



#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.8 | 47.3 |

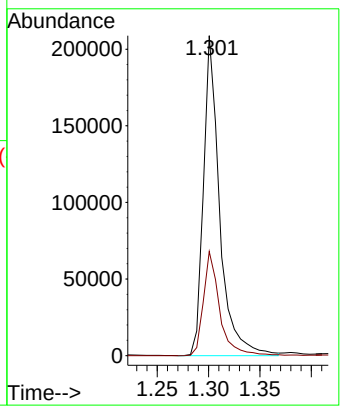





#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 50 Resp: 22916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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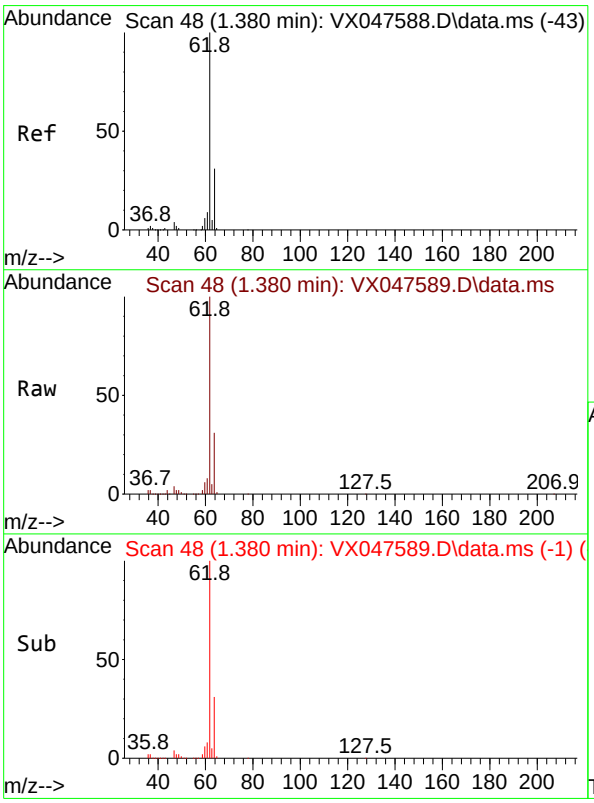
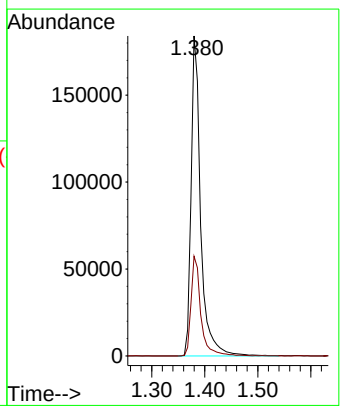
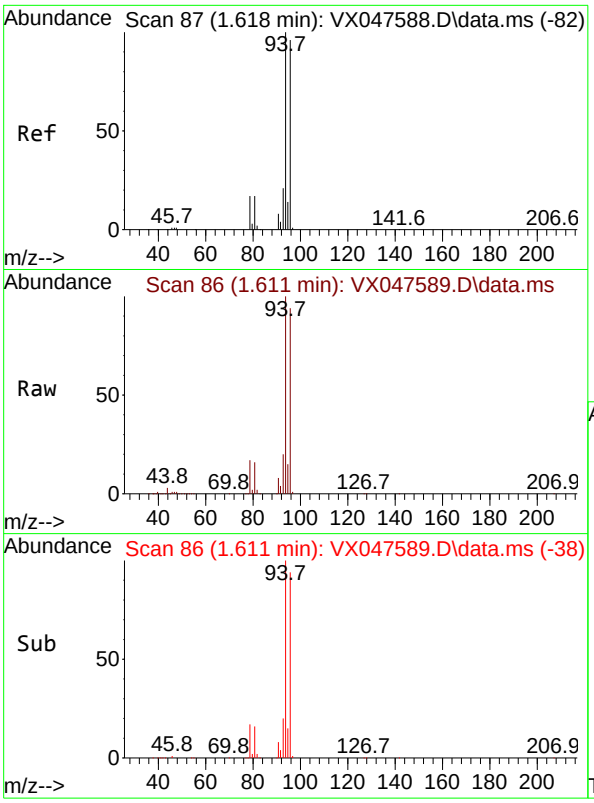



#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 24.9 | 37.3 |






#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

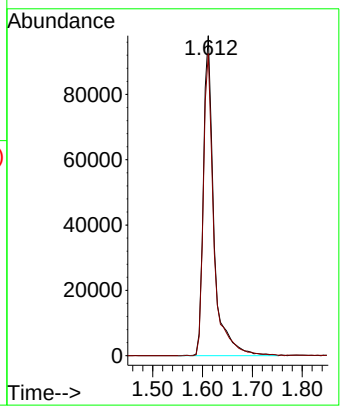
Tgt Ion: 94 Resp: 14311

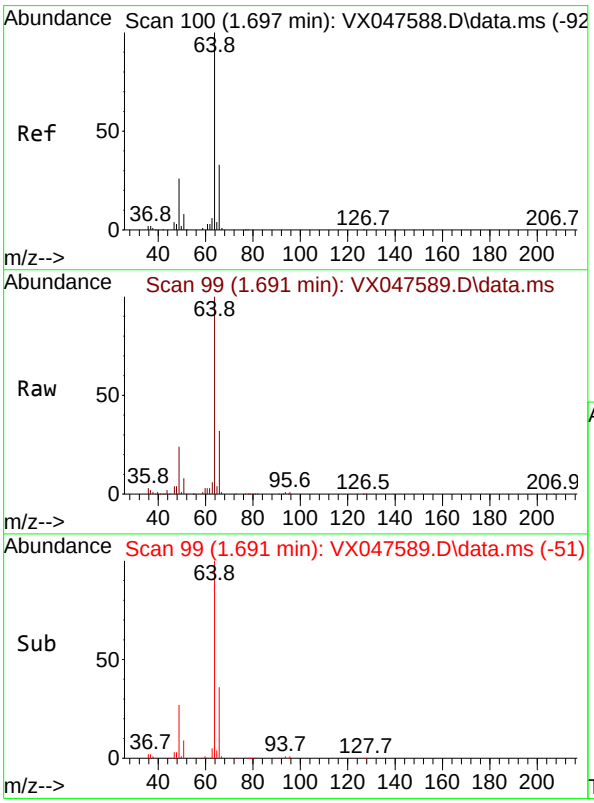
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 76.6 | 115.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

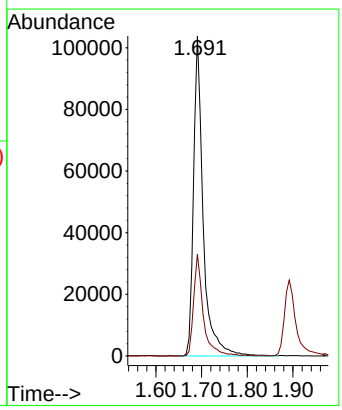


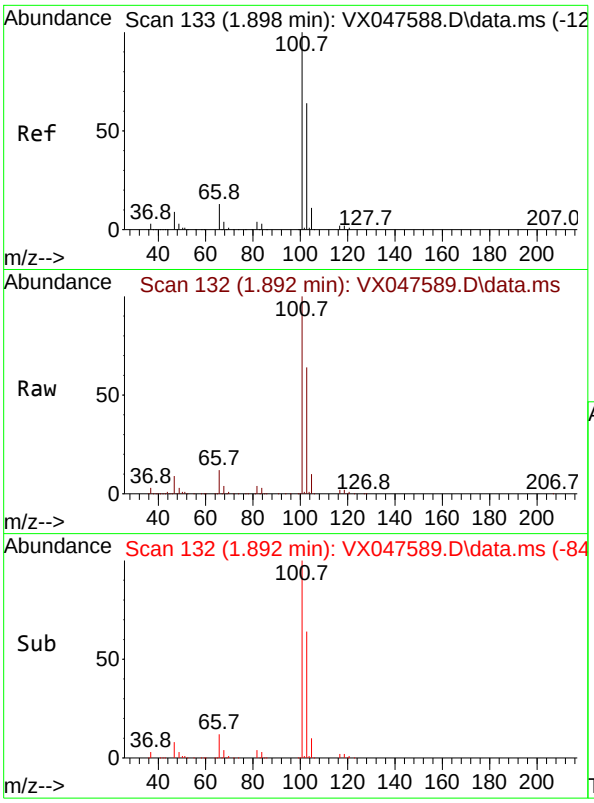




#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.1 | 39.1 |

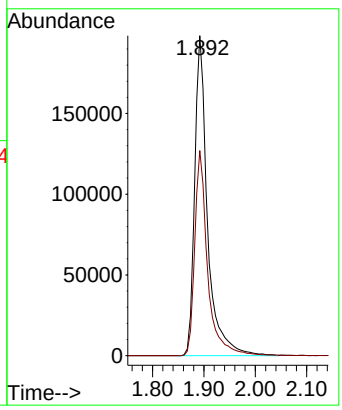





#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 34448

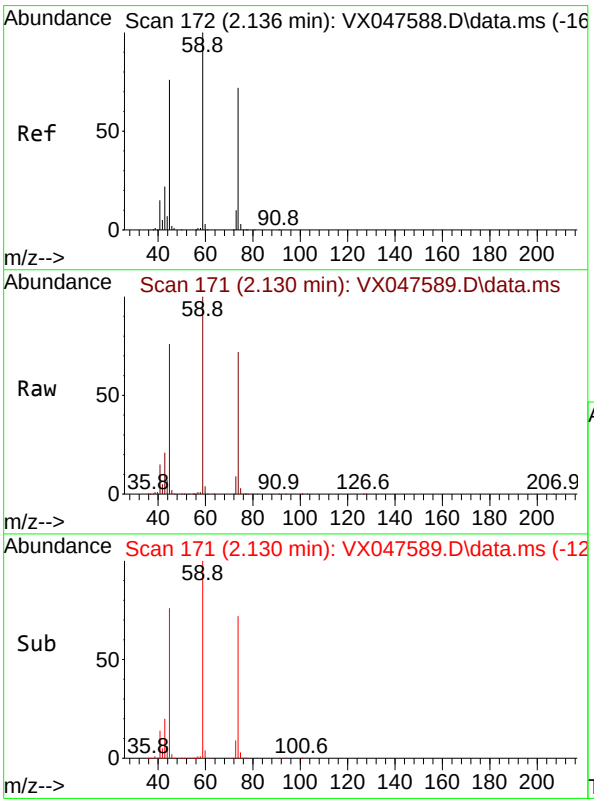
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

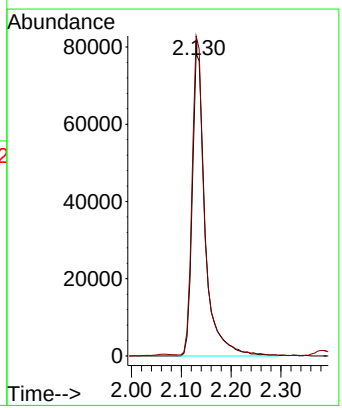
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

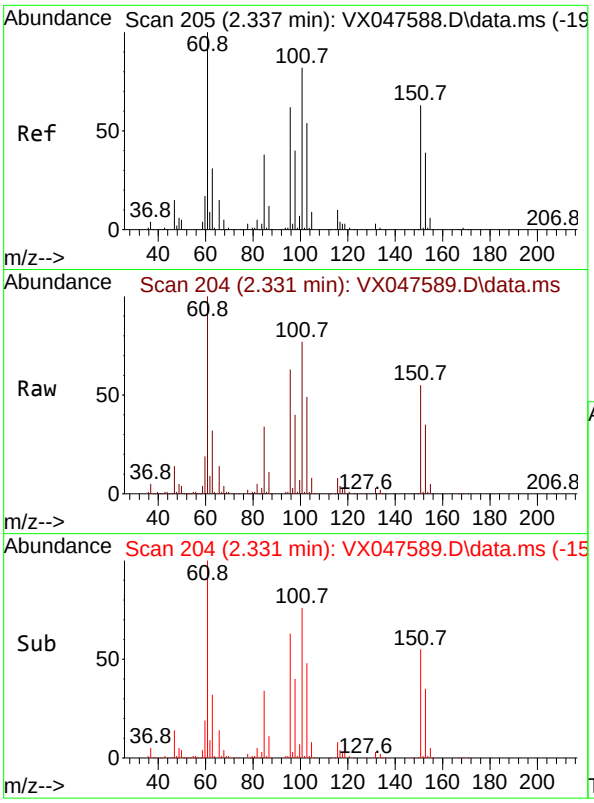



#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.6 | 52.3 | 156.8 |

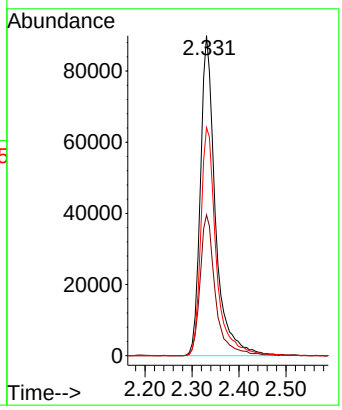





#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:101 Resp: 19984

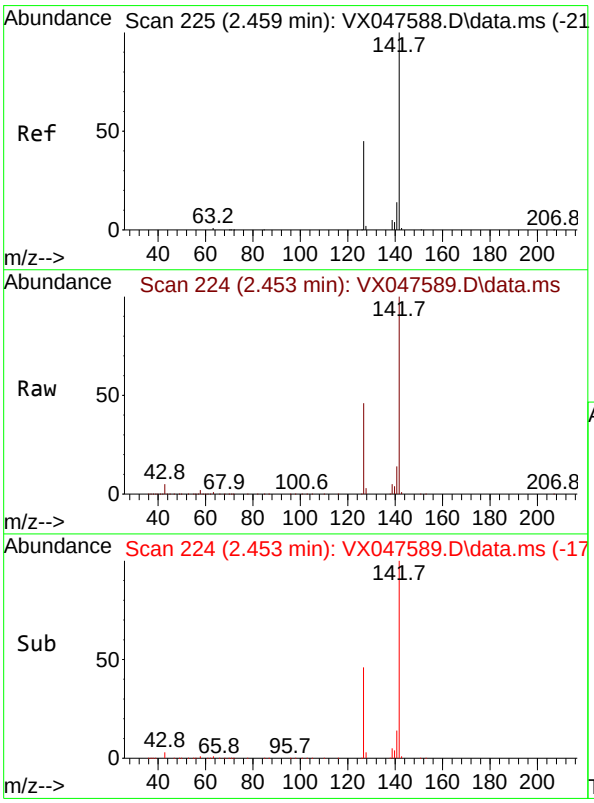
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.1 | 35.5 | 53.3 |
| 151 | 73.6 | 59.4 | 89.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

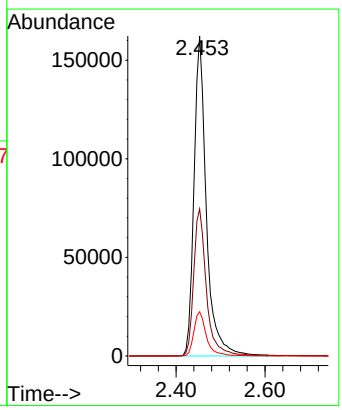
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

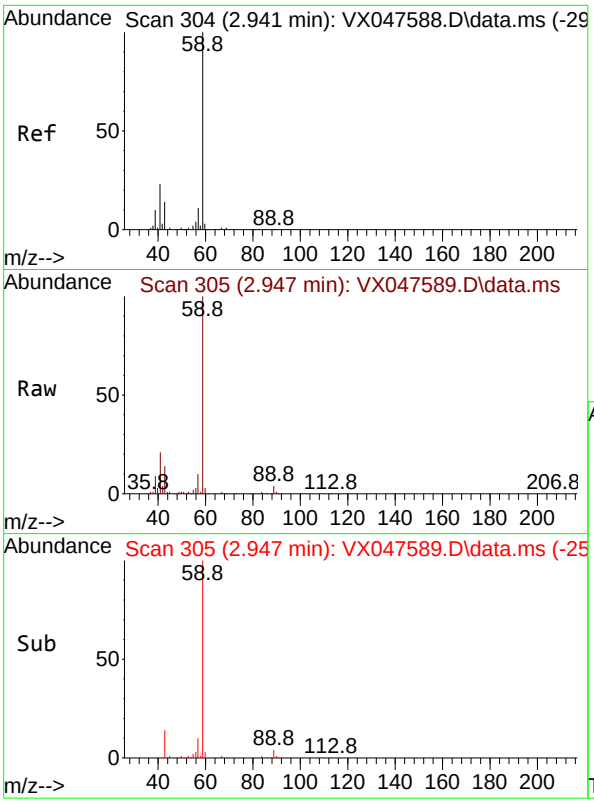



#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |

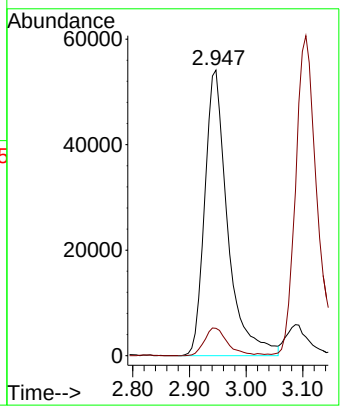





#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 59 Resp: 15210

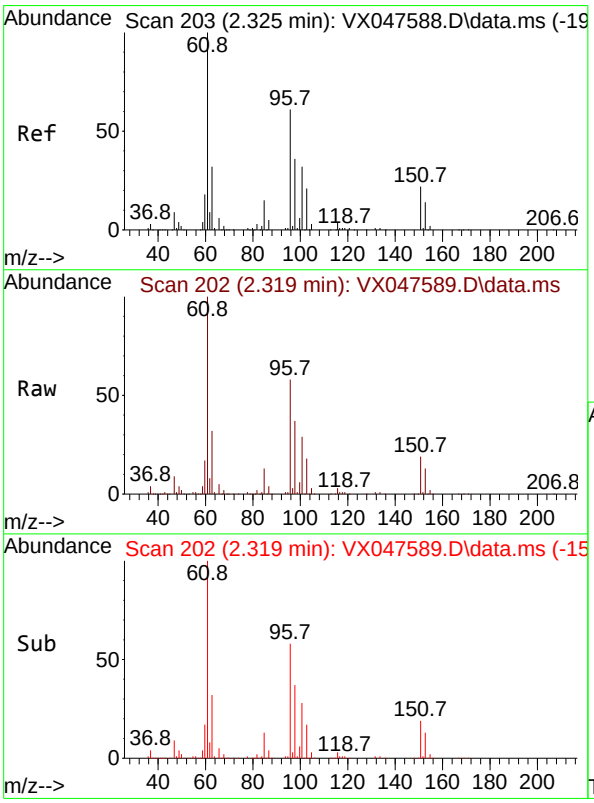
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

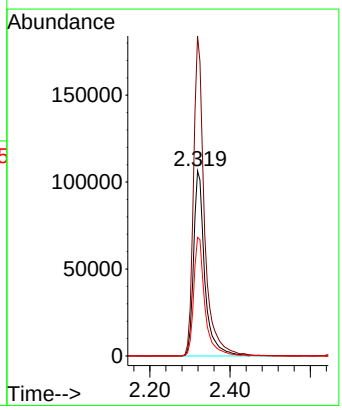
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

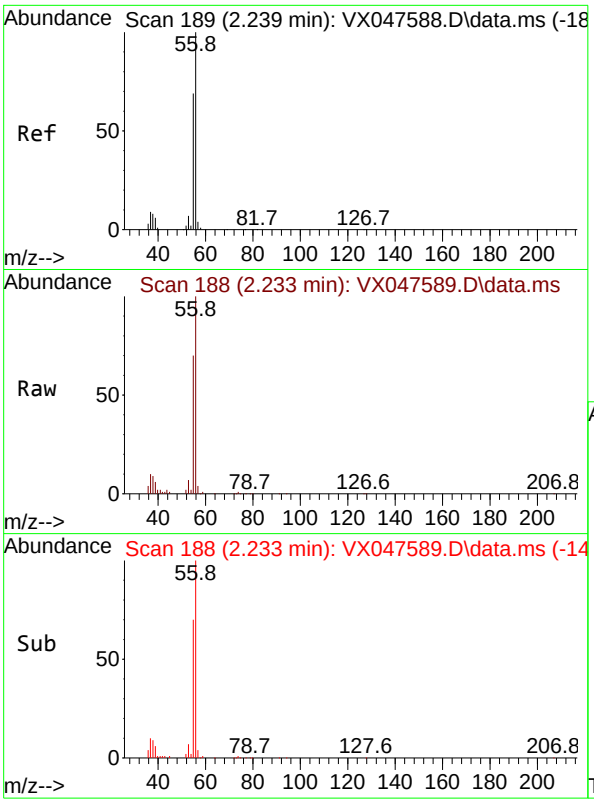



#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.9 | 131.0 | 196.6 |
| 98 | 64.0 | 47.7 | 71.5 |

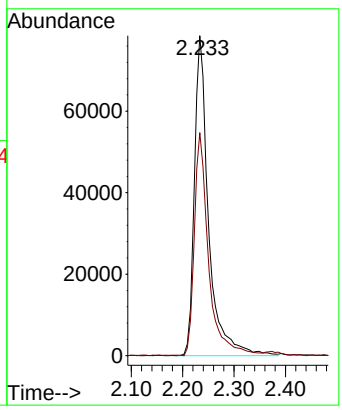





#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 15079

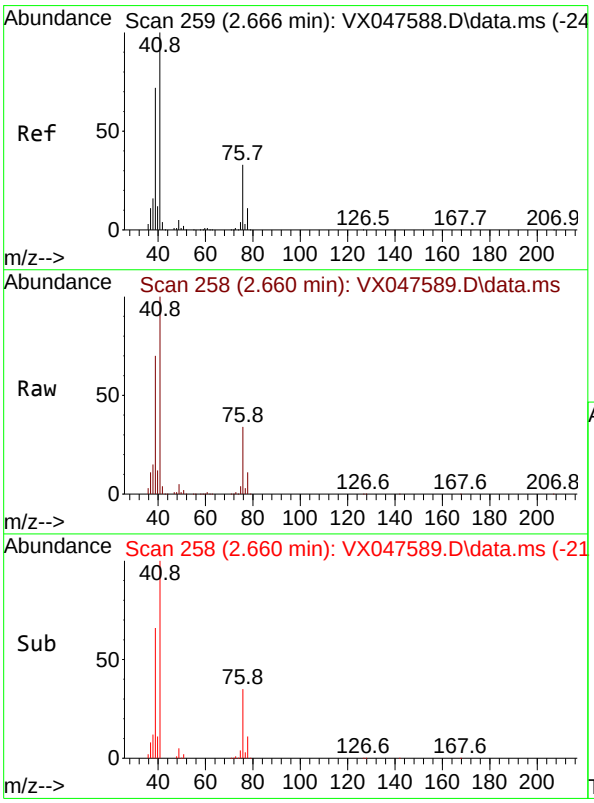
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

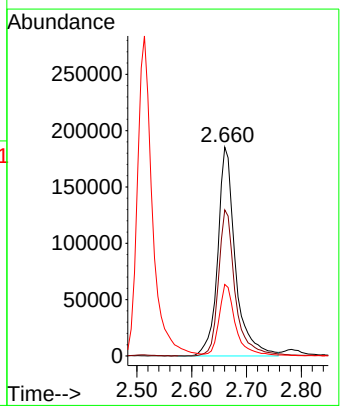
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

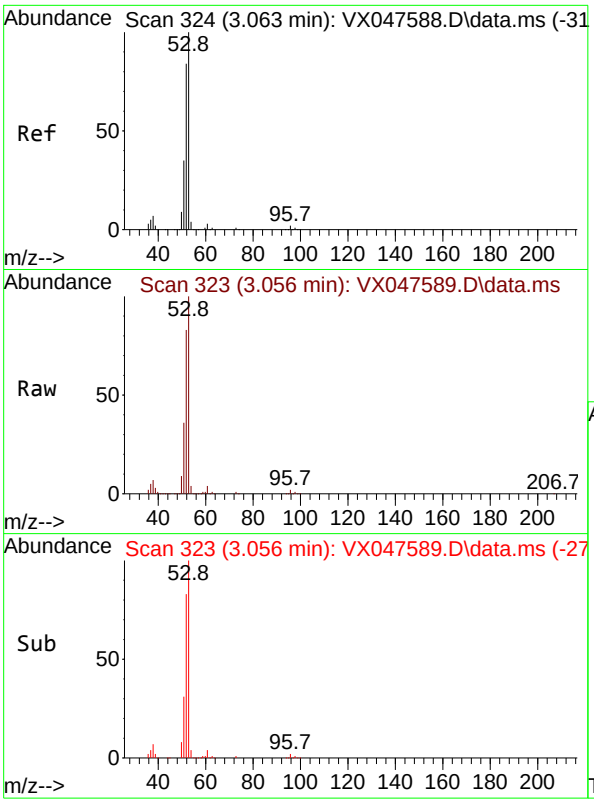



#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 54.7 | 82.1 |
| 76 | 32.2 | 25.7 | 38.5 |

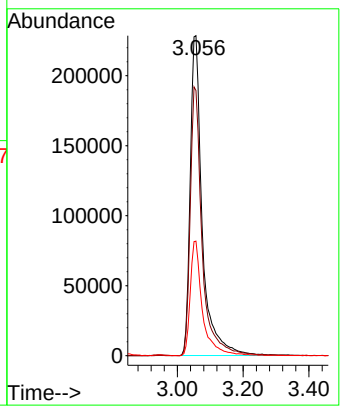





#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 53 Resp: 58124

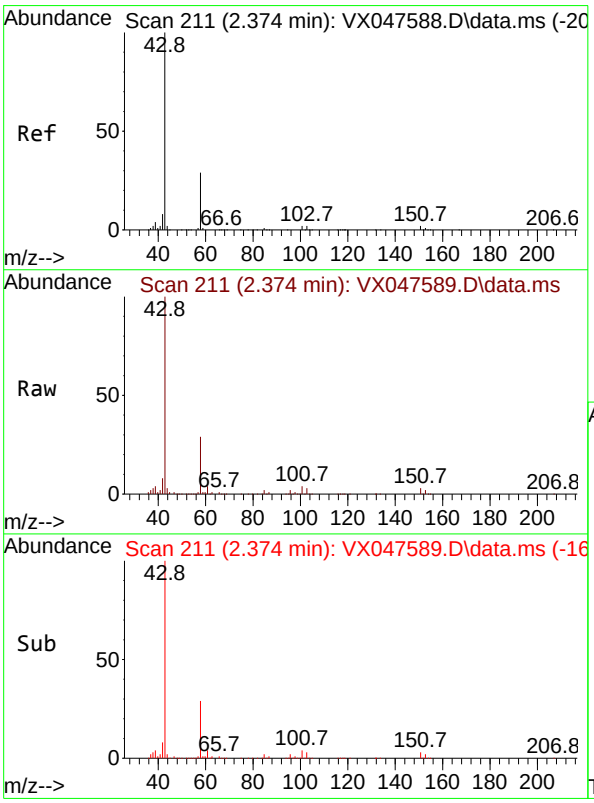
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 66.4 | 99.6 |
| 51 | 36.4 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

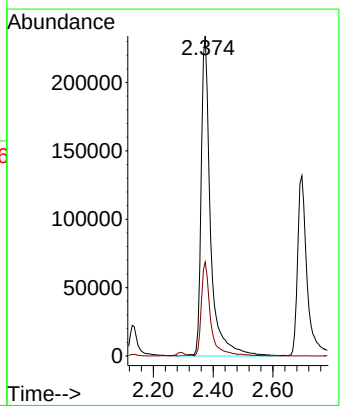
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

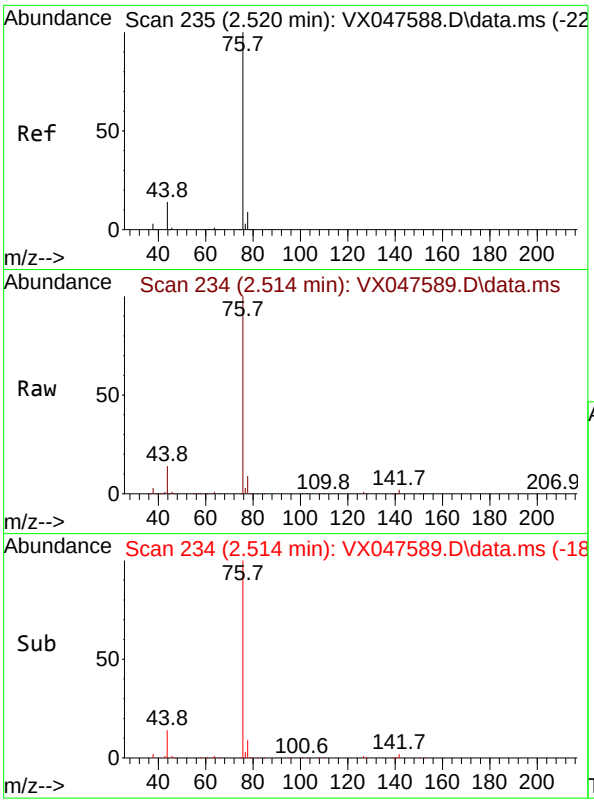



#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.4 | 35.0 |






#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

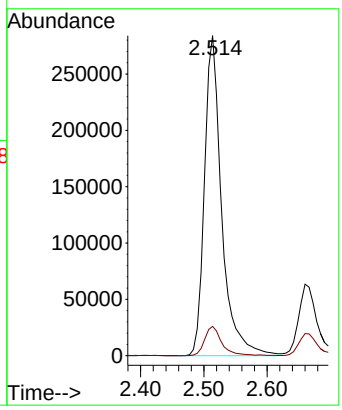
Tgt Ion: 76 Resp: 53788

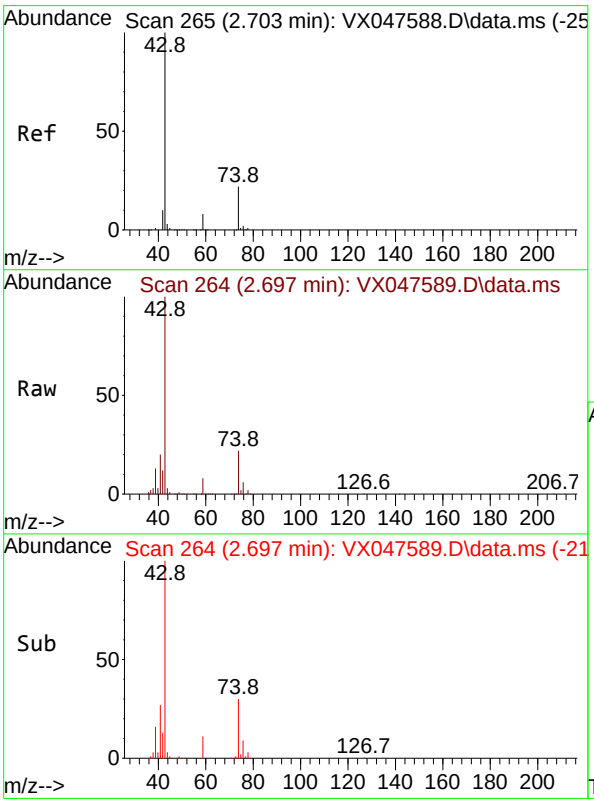
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 6.8 | 10.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

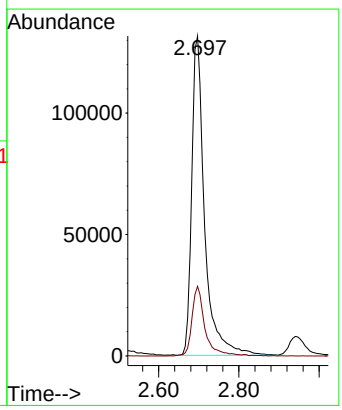


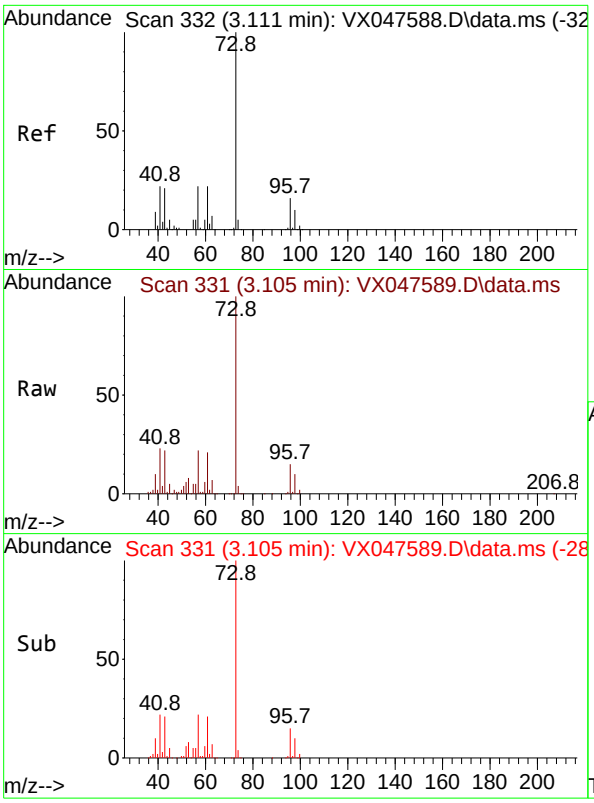




#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |

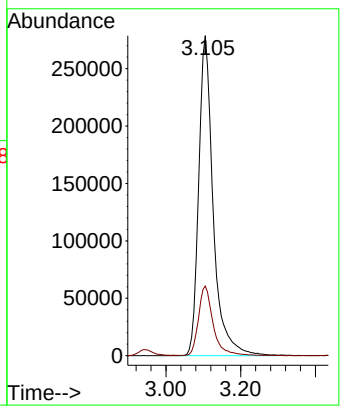





#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 73 Resp: 74895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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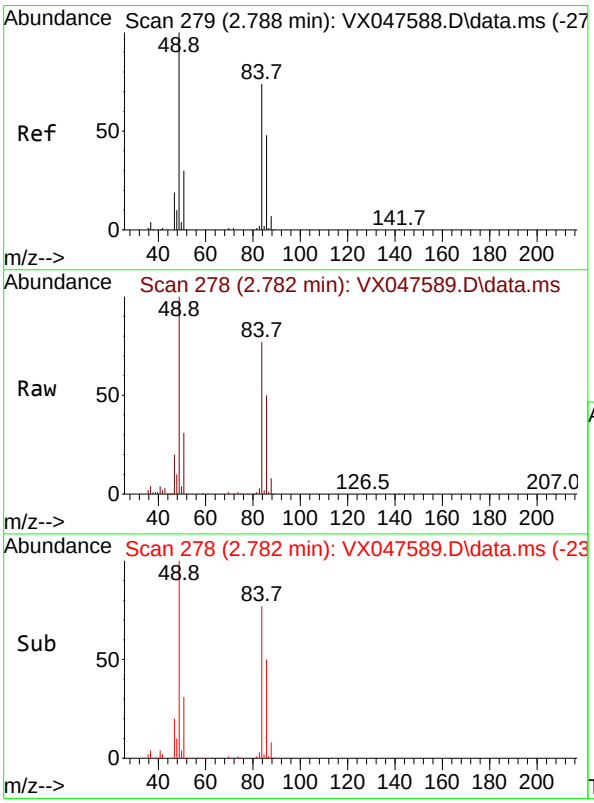
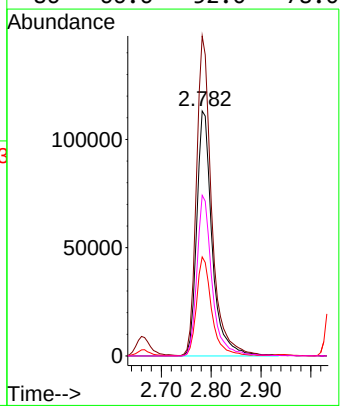
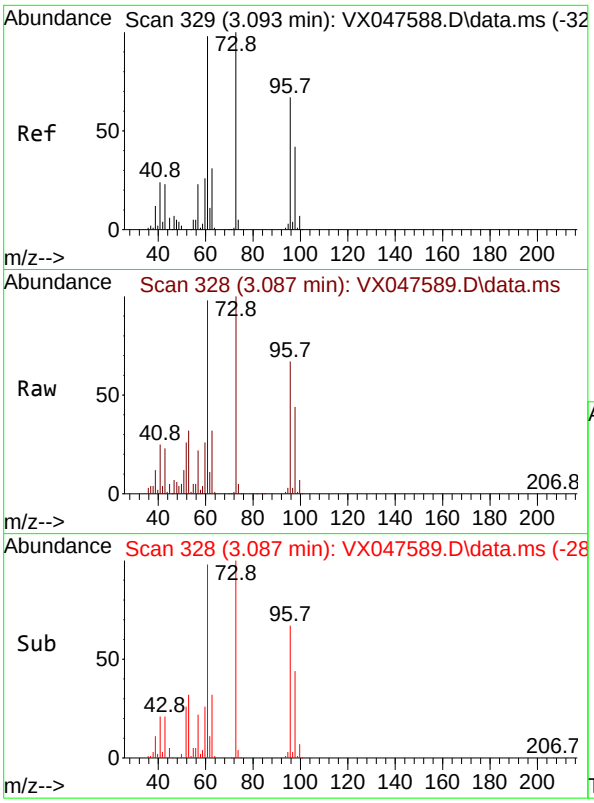



#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.4 | 108.6 | 162.8 |
| 51 | 40.3 | 32.6 | 48.8 |
| 86 | 66.6 | 52.0 | 78.0 |

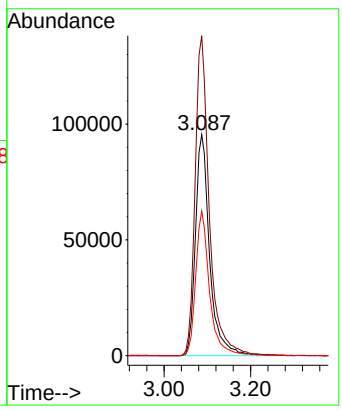





#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 21775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.7 | 116.2 | 174.2 |
| 98 | 65.4 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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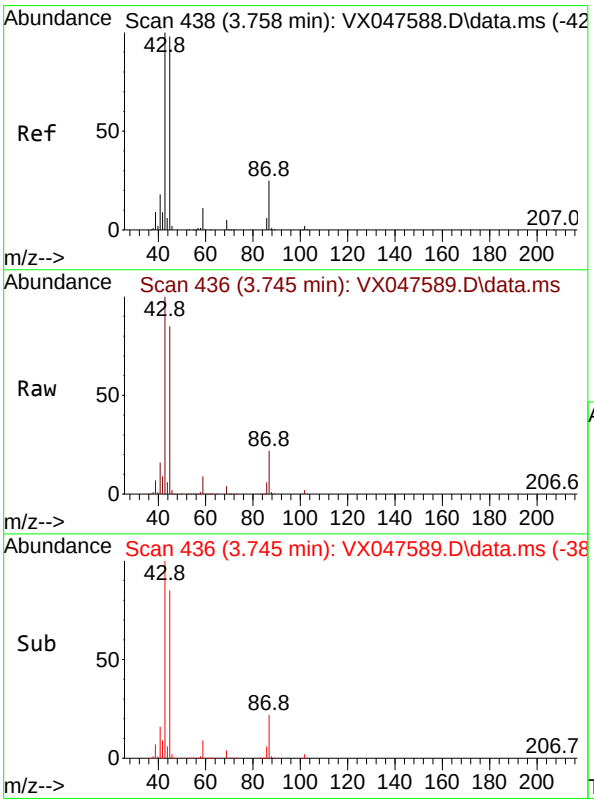
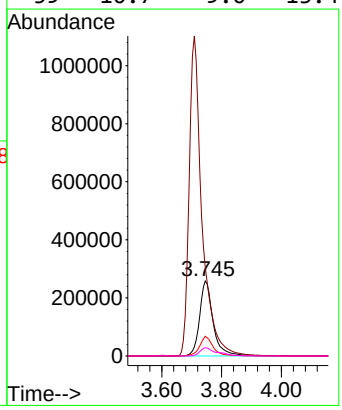
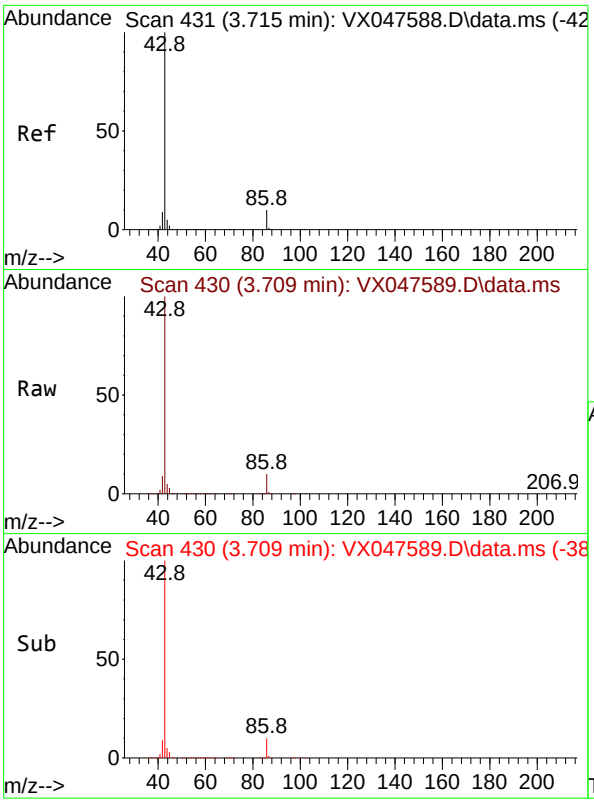



#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.3 | 81.0 | 121.4 |
| 87 | 26.1 | 20.3 | 30.5 |
| 59 | 10.7 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 331470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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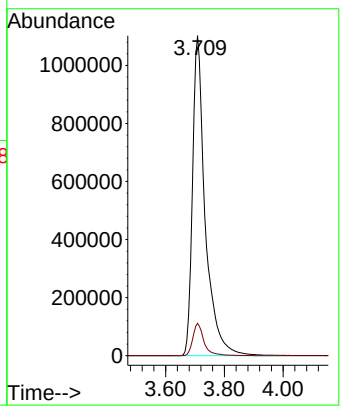
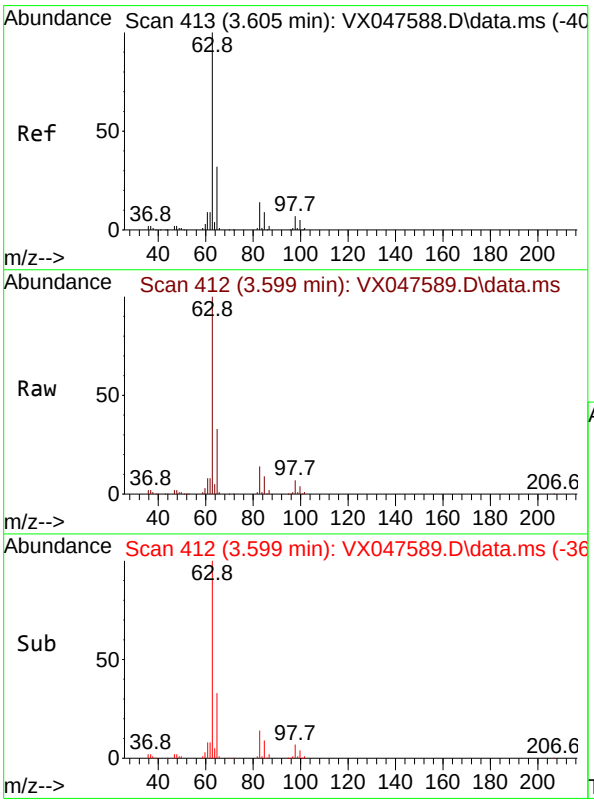
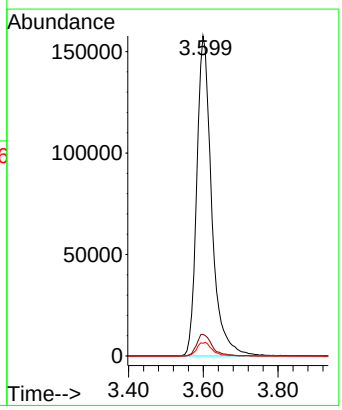


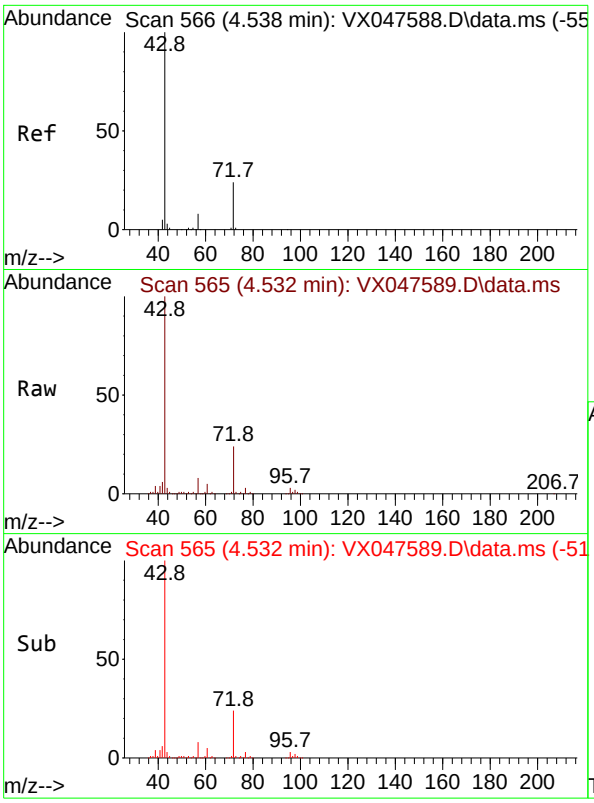




#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.8 | 11.2 |
| 100 | 4.0 | 2.3 | 6.9 |

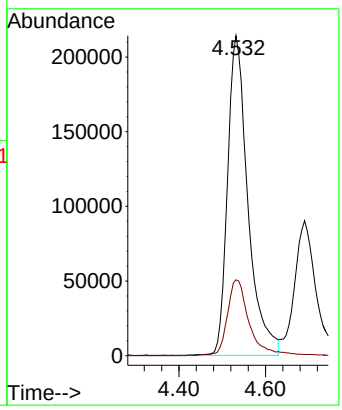





#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 70082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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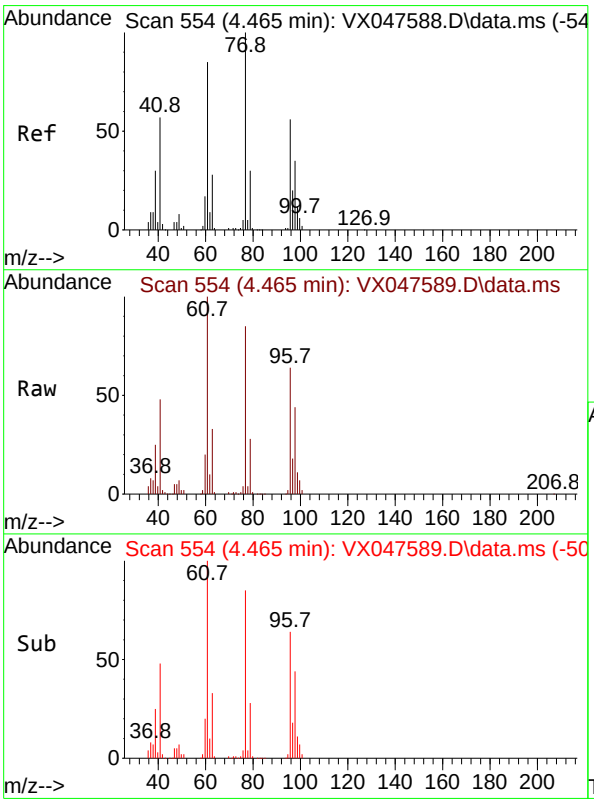
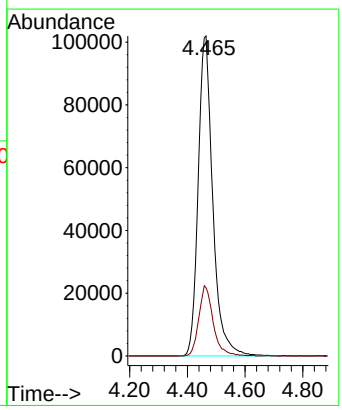
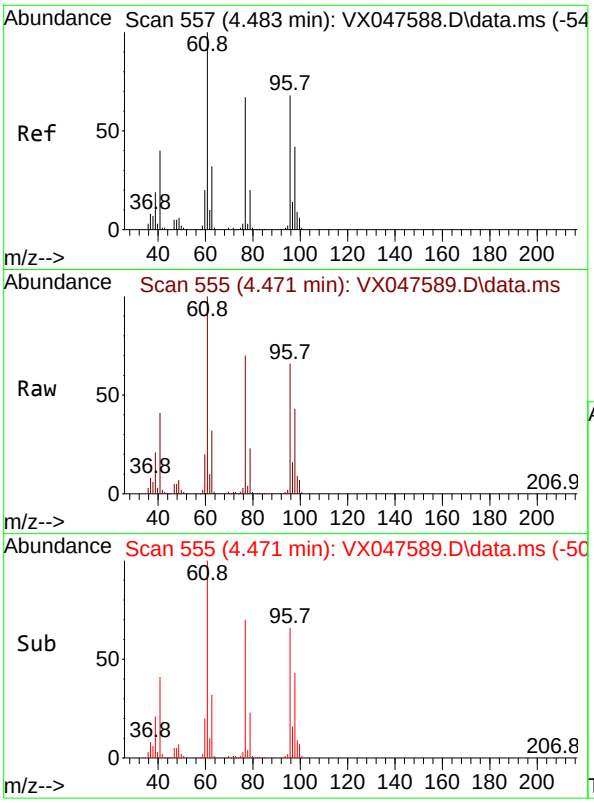



#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 10.9 | 32.7 |

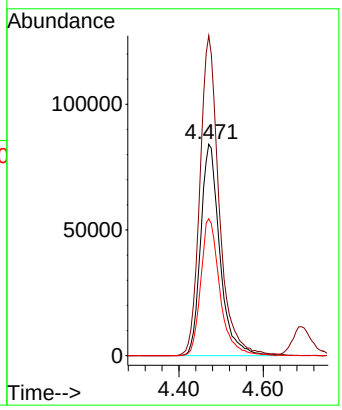





#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 26655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.5 | 0.0 | 303.2 |
| 98 | 64.4 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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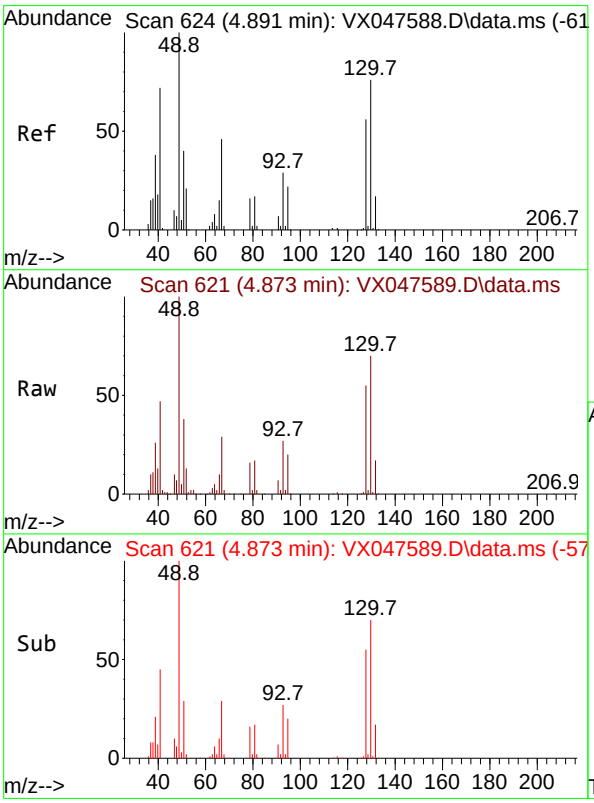
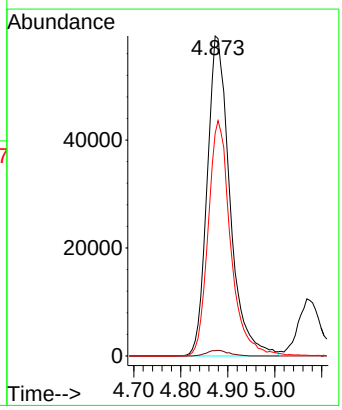
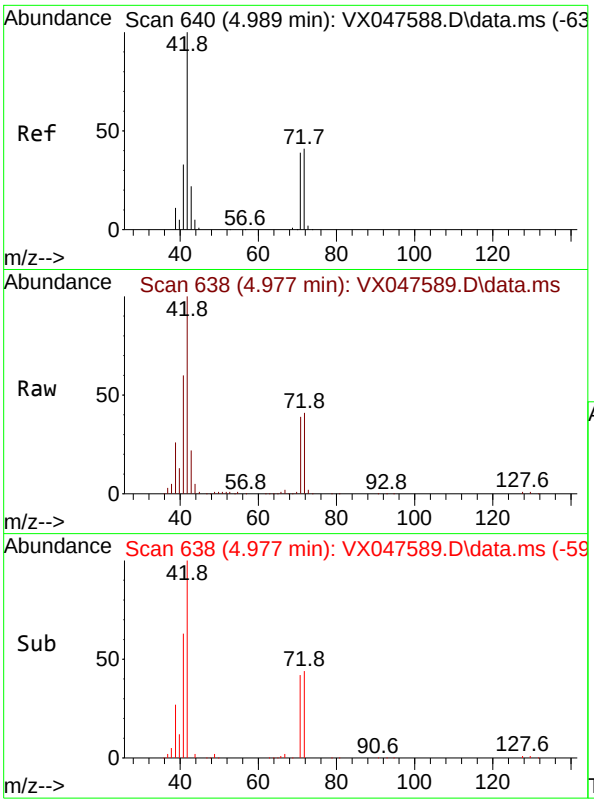



#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |

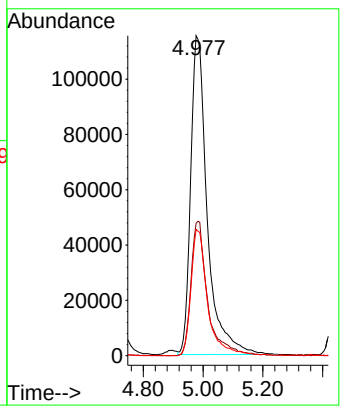





#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 42 Resp: 44353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.4 | 34.2 | 51.2 |
| 71 | 39.5 | 31.9 | 47.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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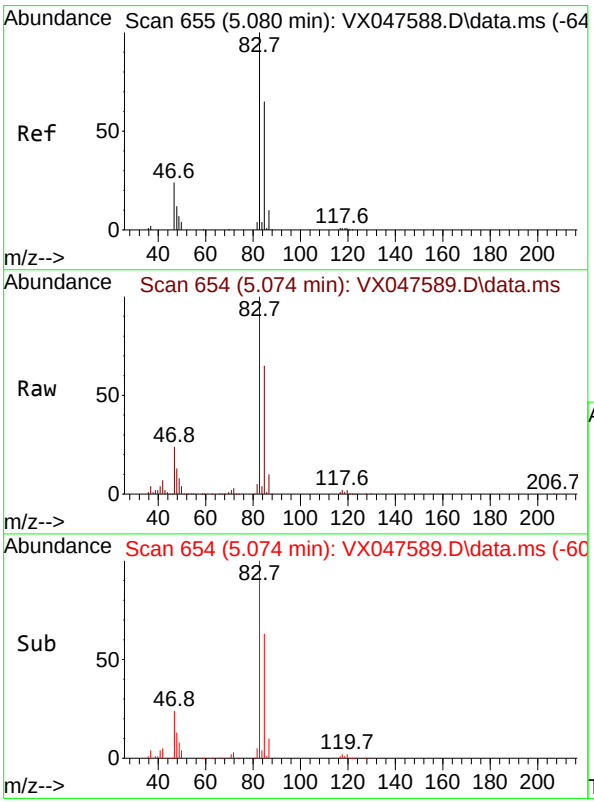
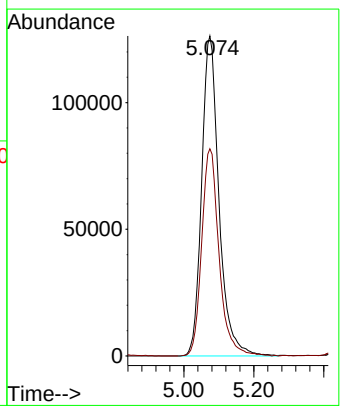
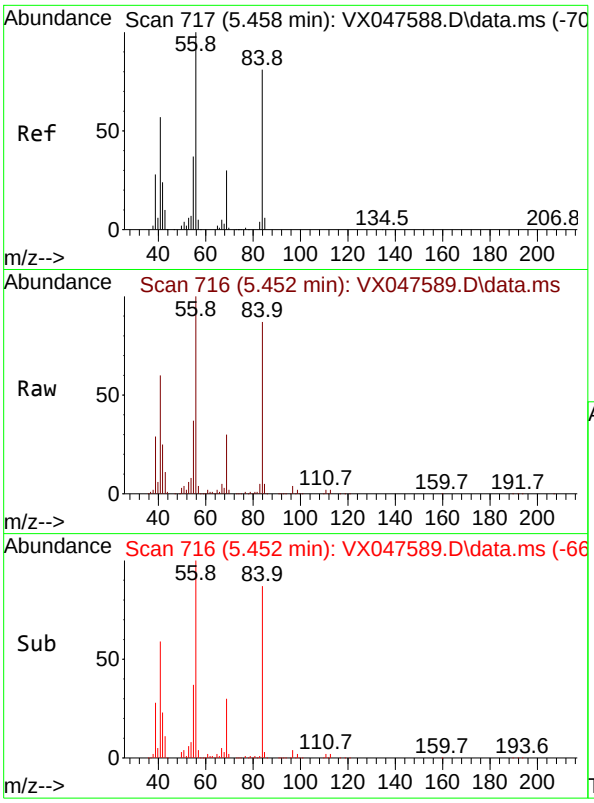



#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 51.8 | 77.6 |

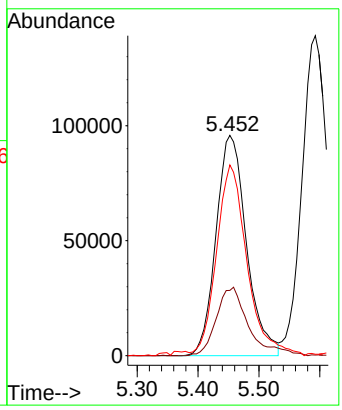





#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 56 Resp: 33299

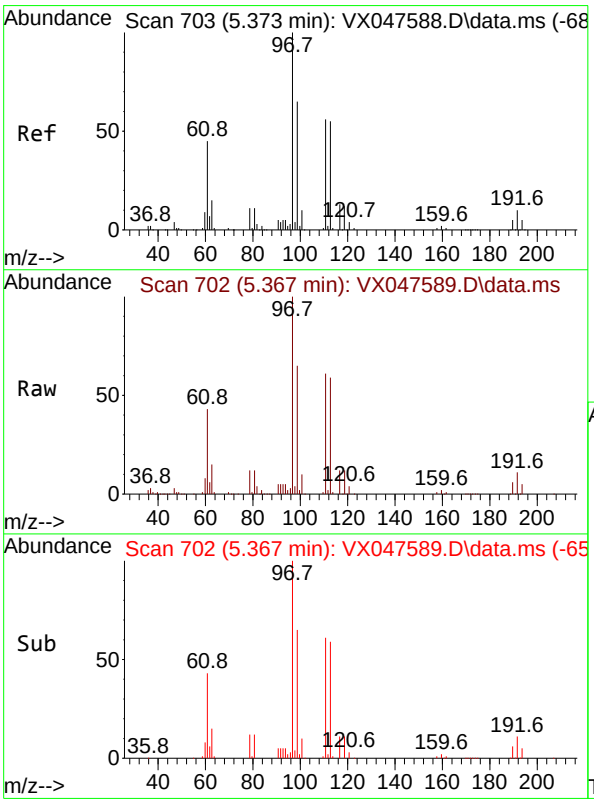
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.0 | 23.8 | 35.8 |
| 84 | 84.7 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

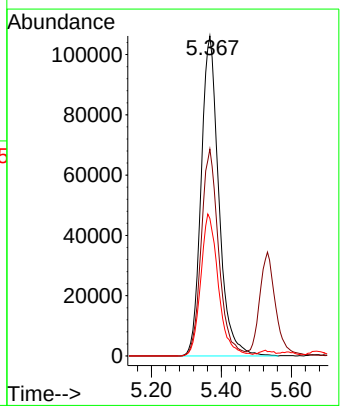
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

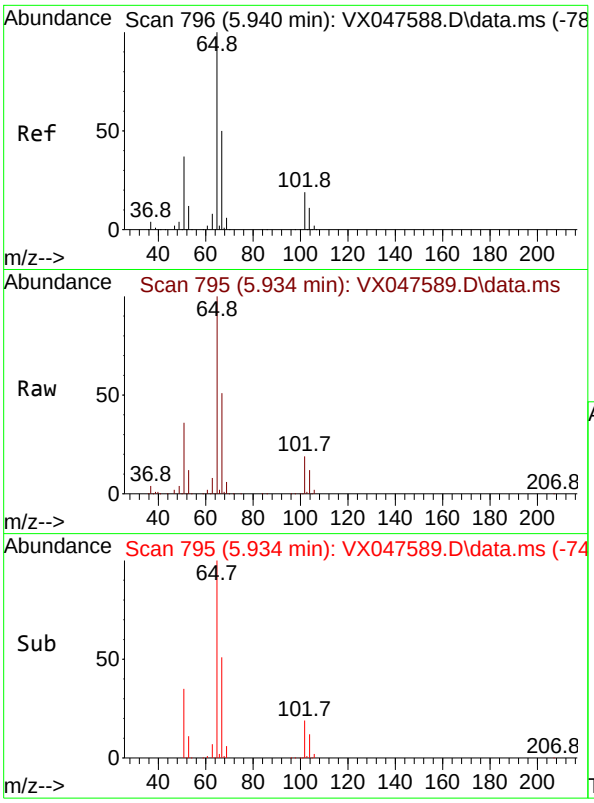



#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 50.6 | 76.0 |
| 61 | 44.4 | 35.8 | 53.8 |

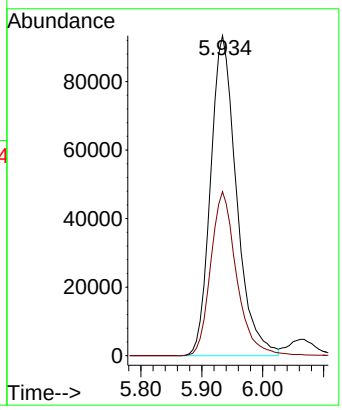





#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 65 Resp: 27575

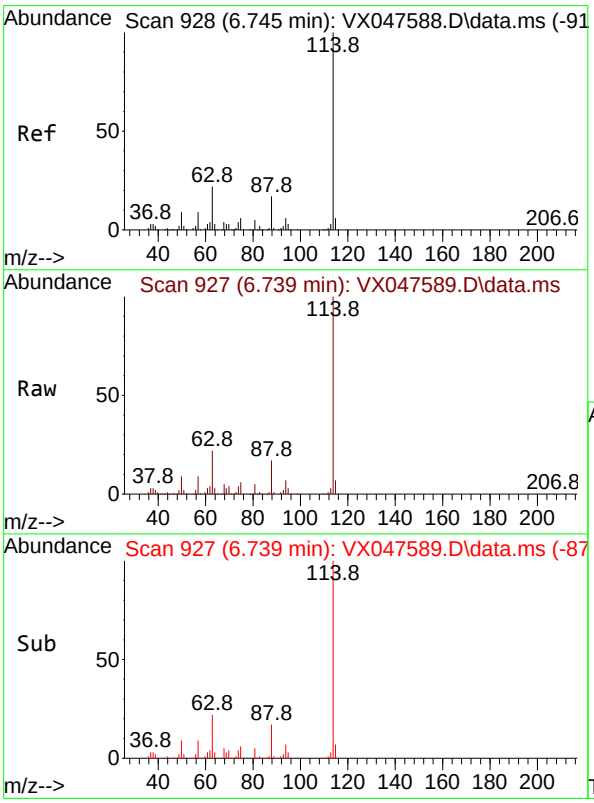
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

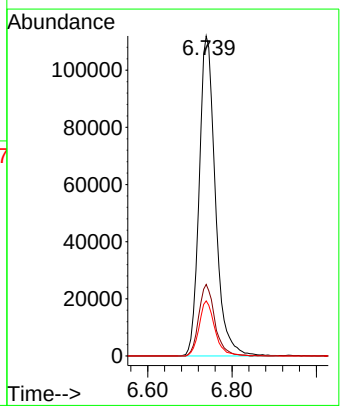
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

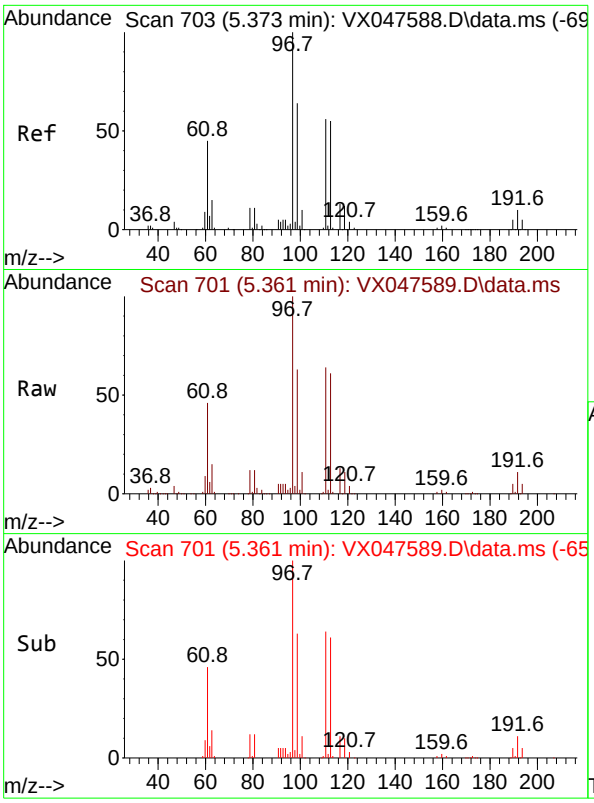



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 17.2 | 0.0 | 34.2 |






#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:113 Resp: 21241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 80.9 | 121.3 |
| 192 | 17.7 | 14.2 | 21.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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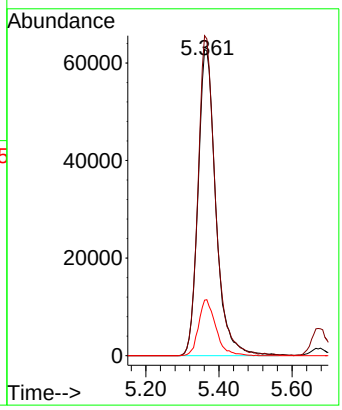
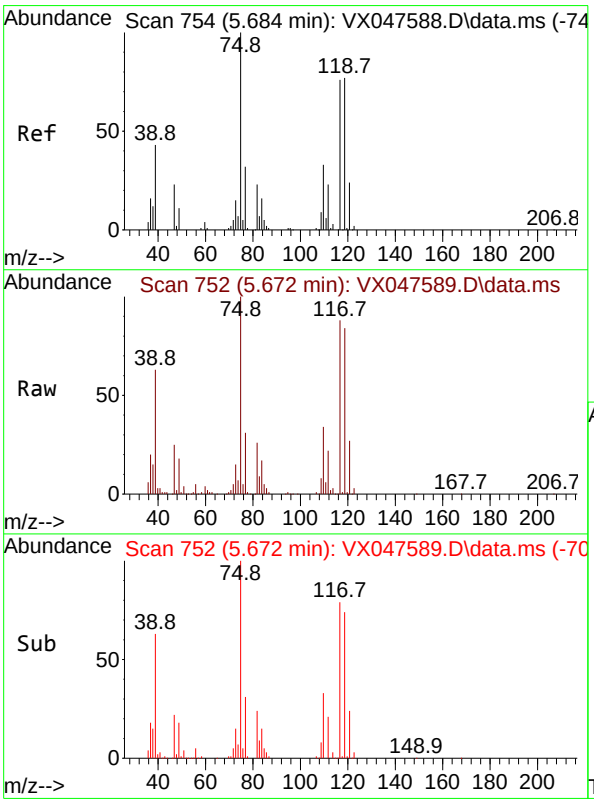
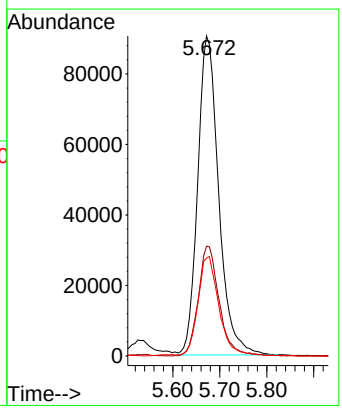


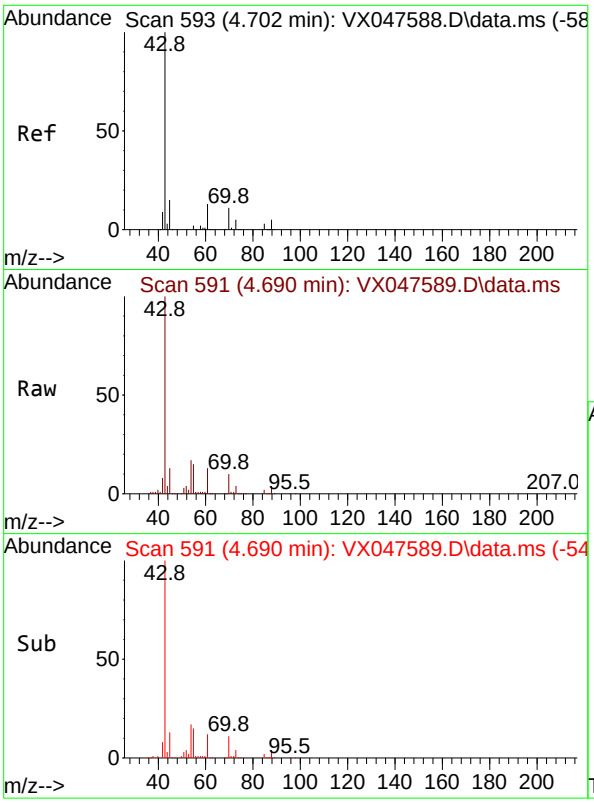




#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 16.7 | 50.1 |
| 77 | 31.3 | 24.3 | 36.5 |

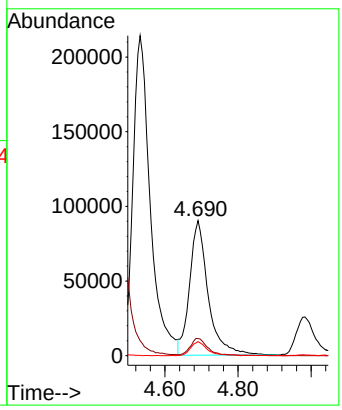





#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 31879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 9.8 | 14.8 |
| 70 | 9.4 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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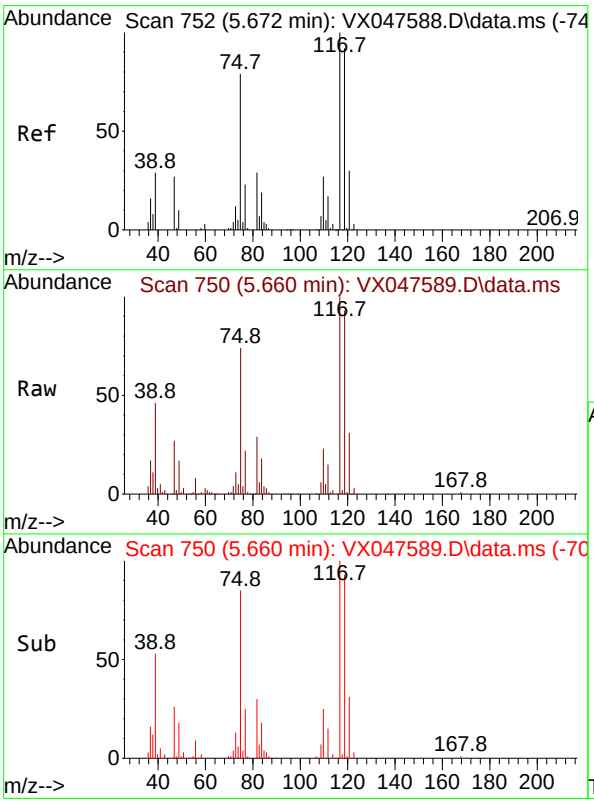
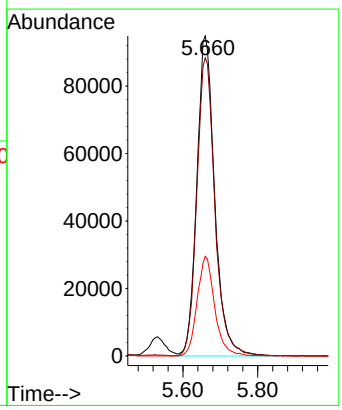
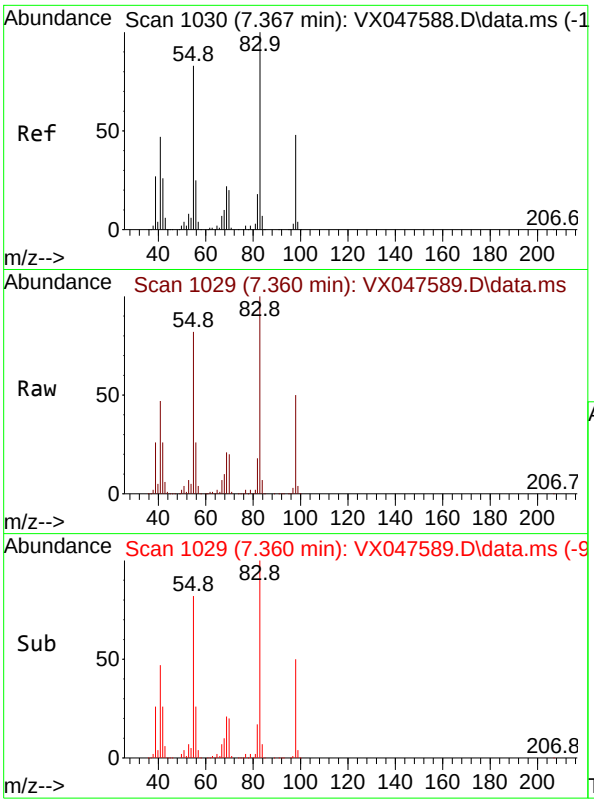



#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 73.4 | 110.2 |
| 121 | 31.2 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 32785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.8 | 66.4 | 99.6 |
| 98 | 49.8 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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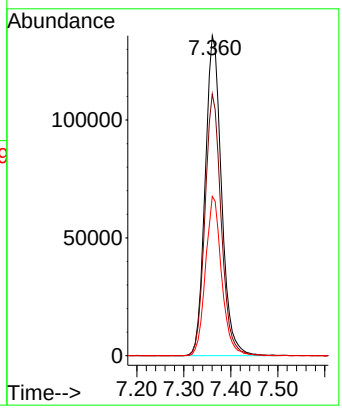
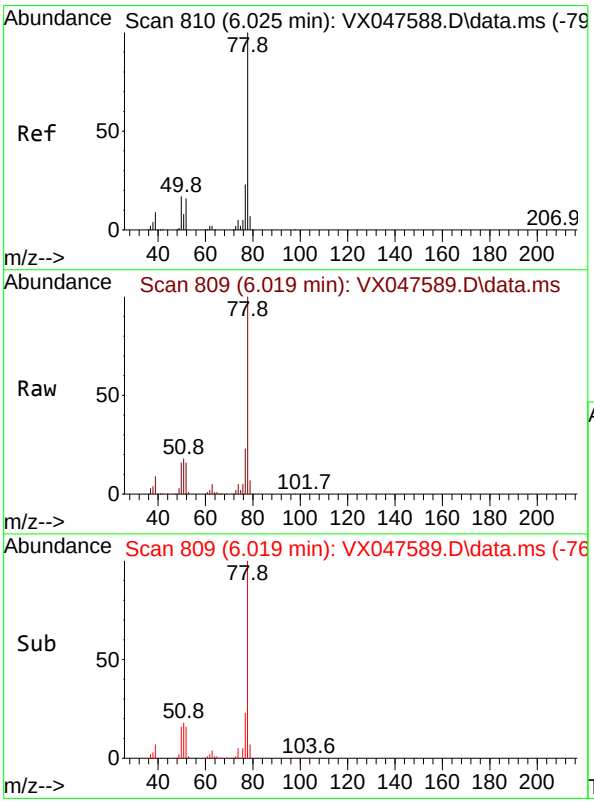
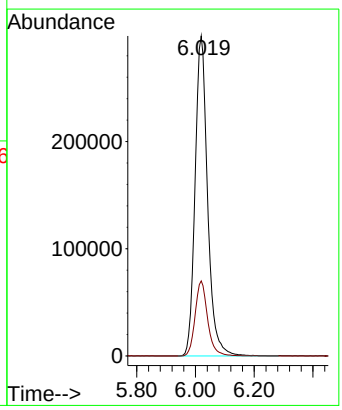


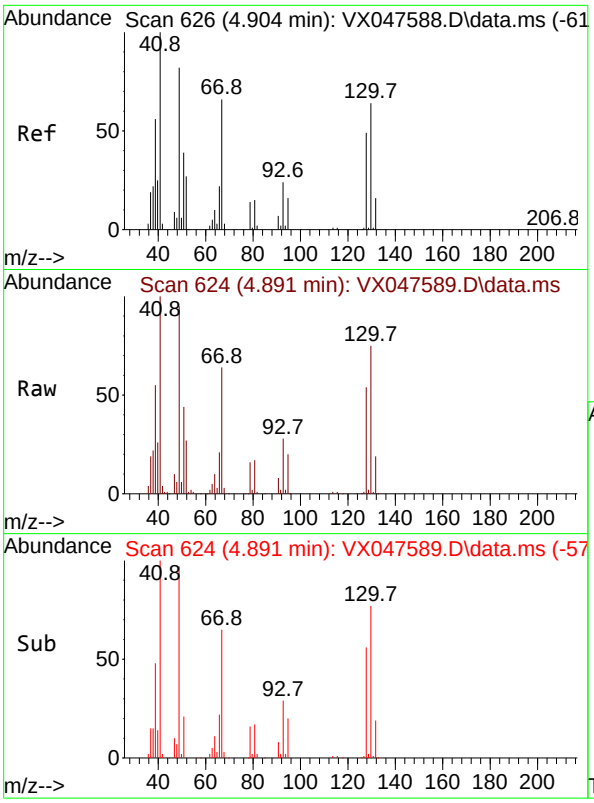




#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

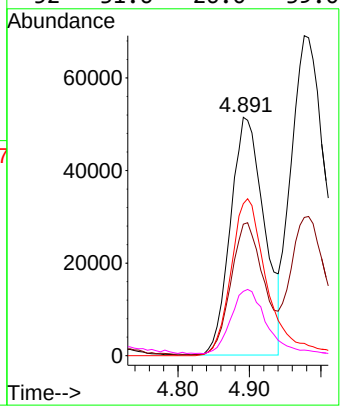





#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 16875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 43.3 | 64.9 |
| 67 | 72.1 | 58.6 | 87.8 |
| 52 | 31.6 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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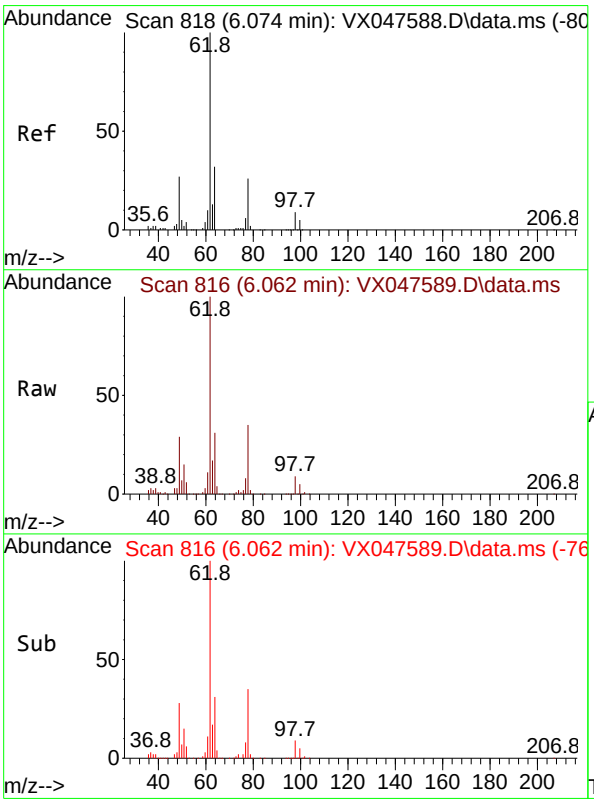
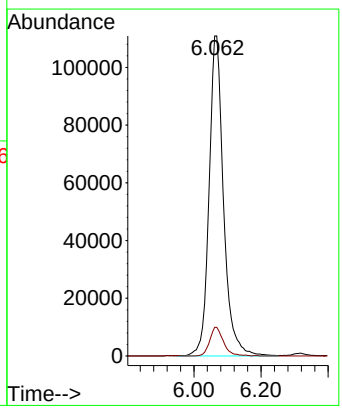
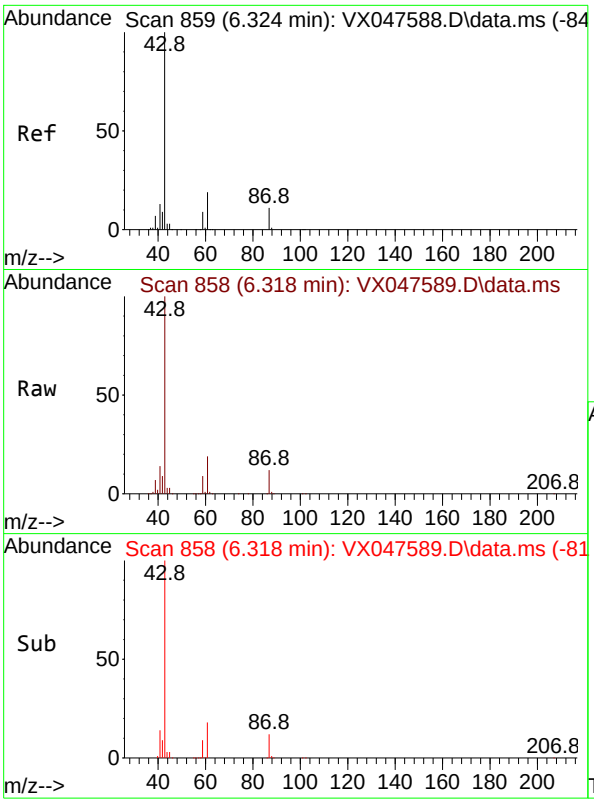



#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.0 |






#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 51687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.3 | 9.6 | 14.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

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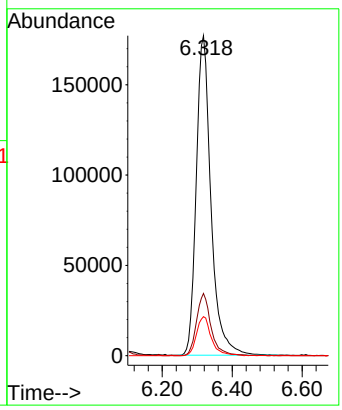
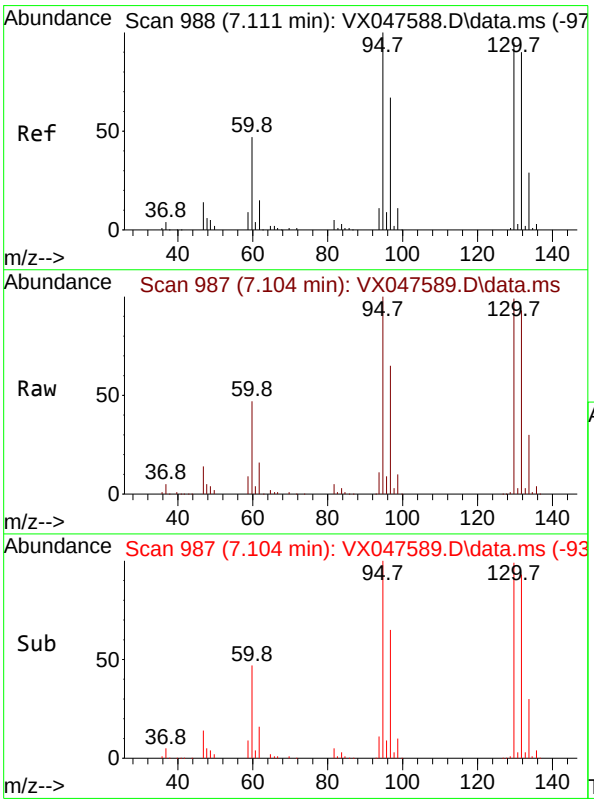
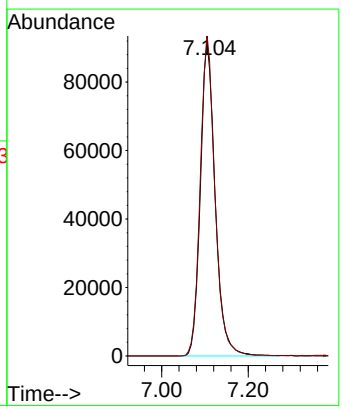


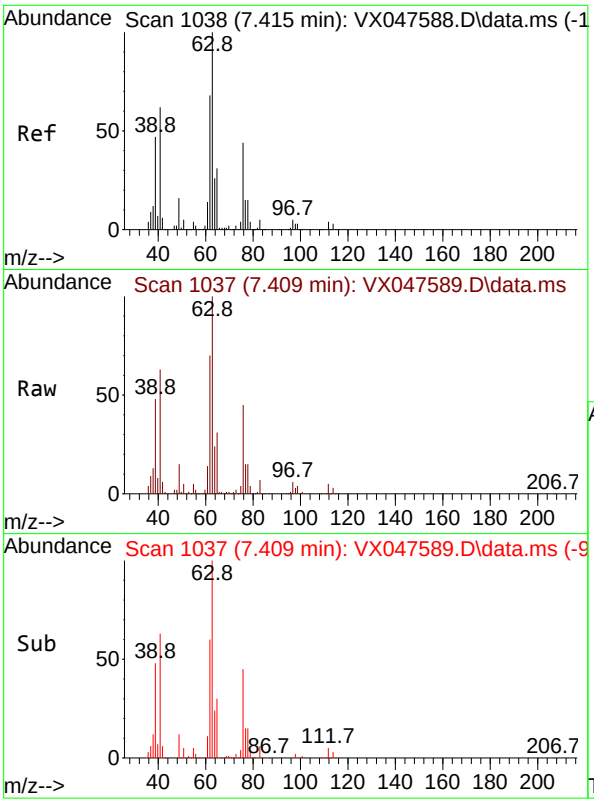




#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.4 | 0.0 | 210.8 |

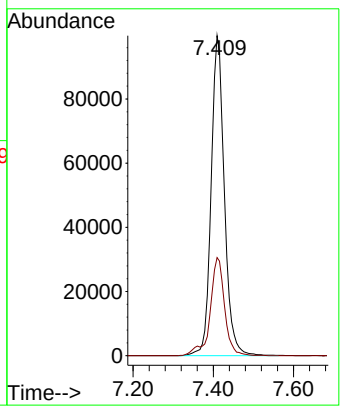





#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 22815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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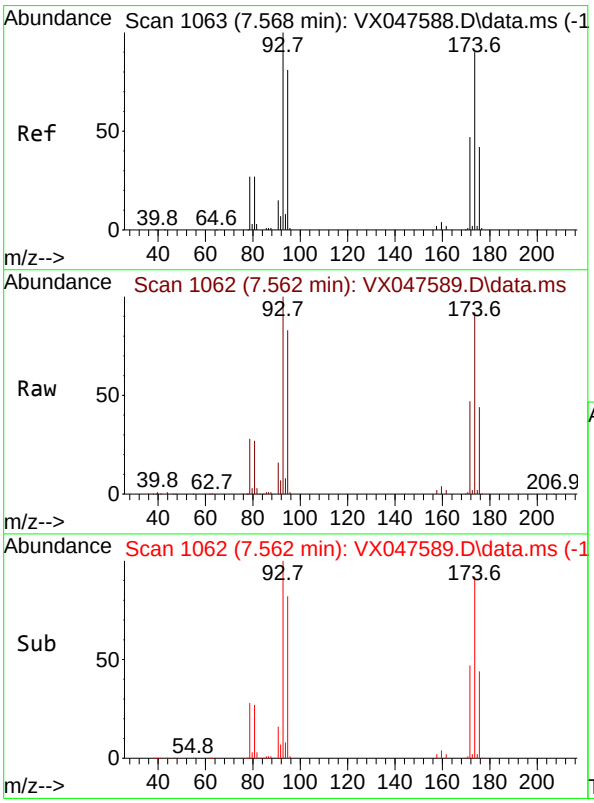
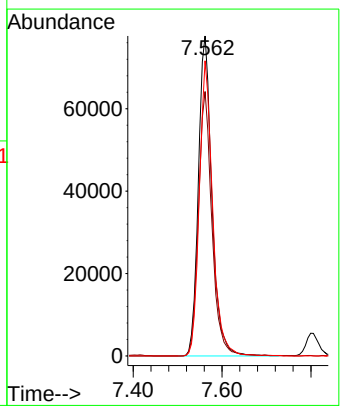
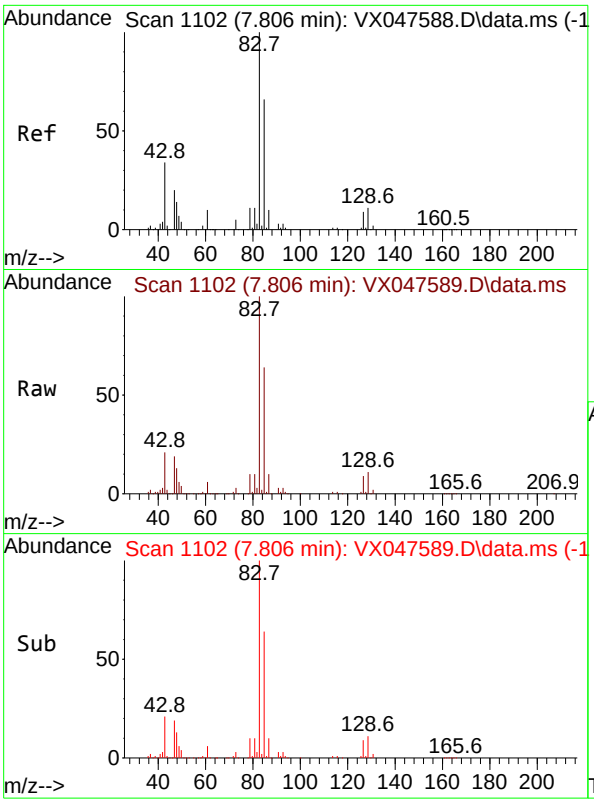



#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 65.0 | 97.6 |
| 174 | 90.5 | 71.6 | 107.4 |

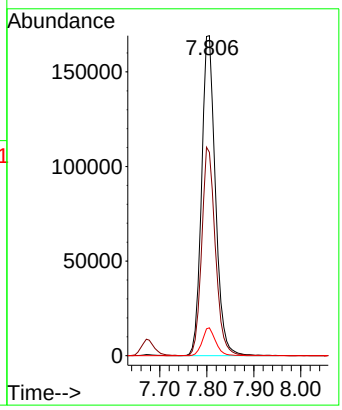





#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 34599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 52.5 | 78.7 |
| 127 | 8.7 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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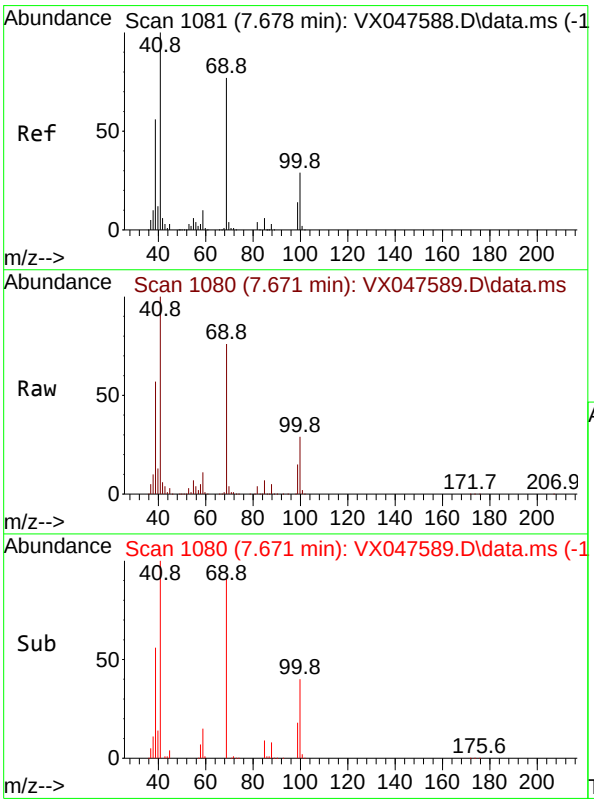
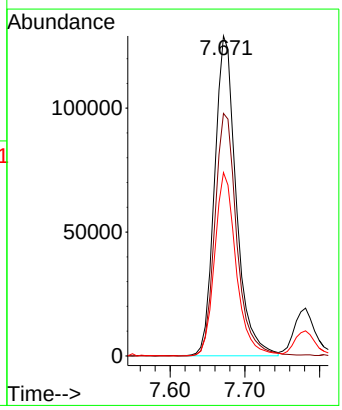
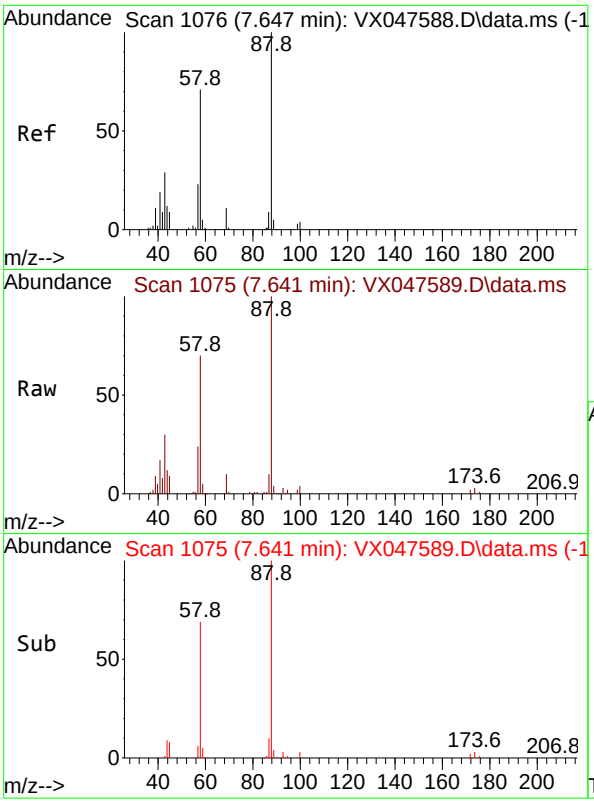



#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.1 | 61.4 | 92.2 |
| 39 | 57.0 | 45.8 | 68.6 |

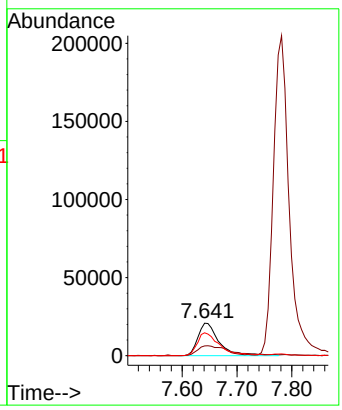





#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 88 Resp: 5671

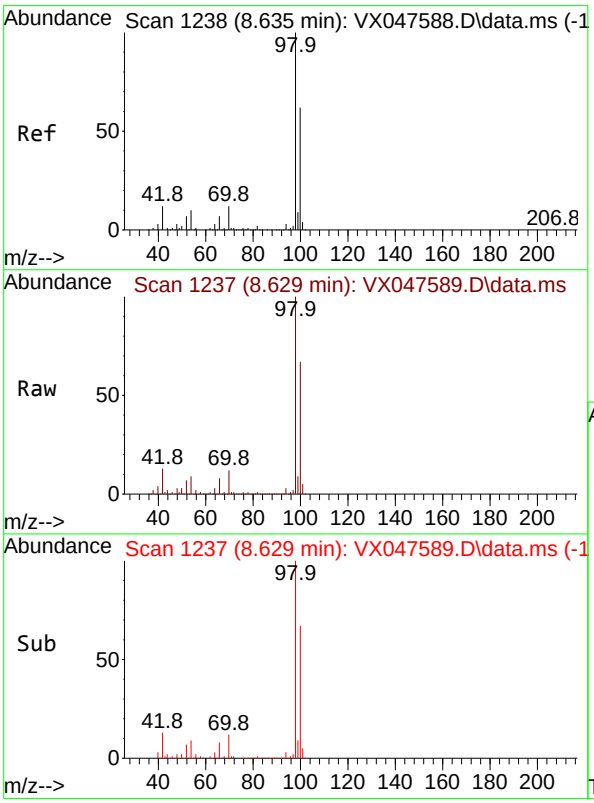
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.4 | 30.2 | 45.2 |
| 58 | 74.0 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

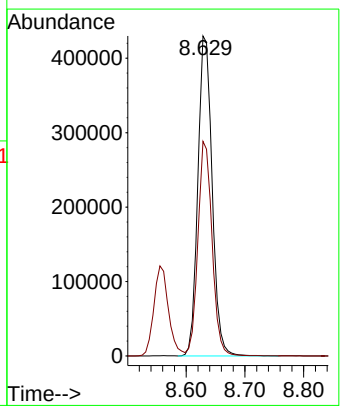
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

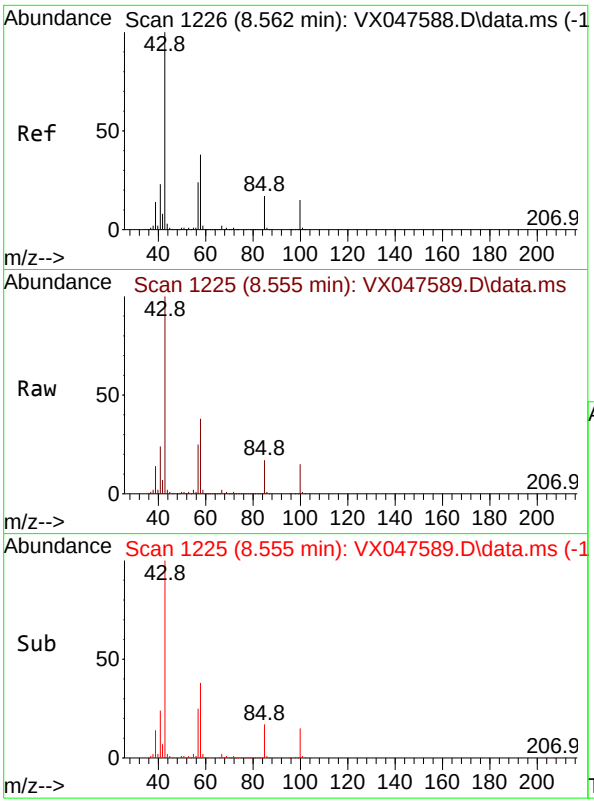



#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

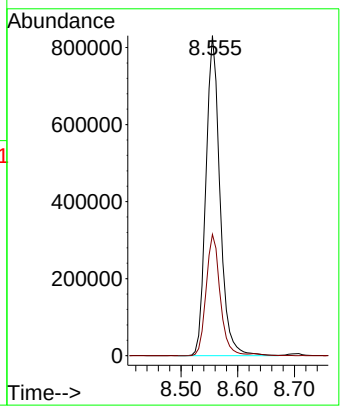





#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 143125

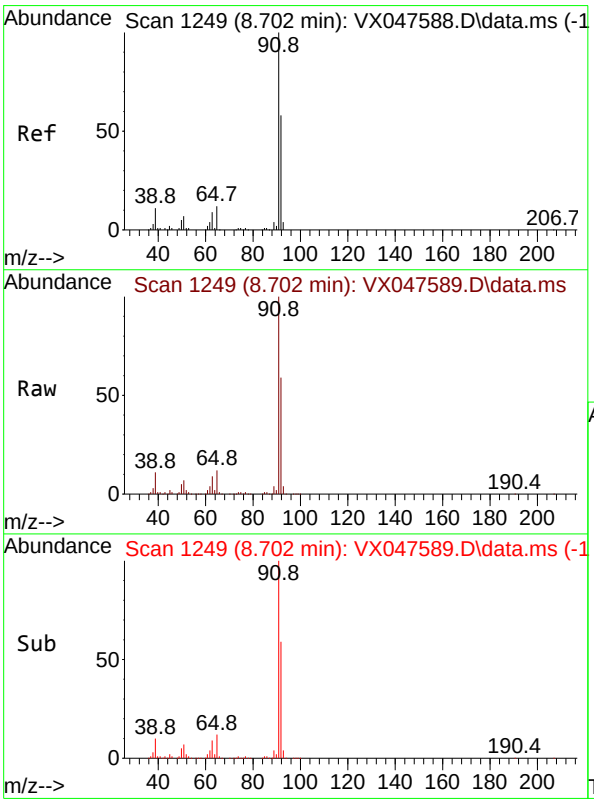
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

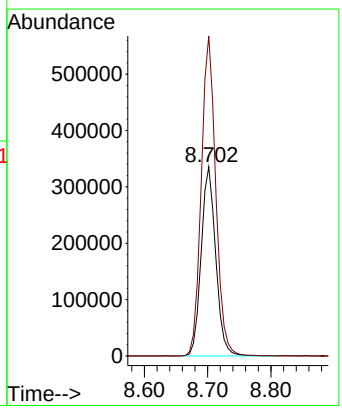
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

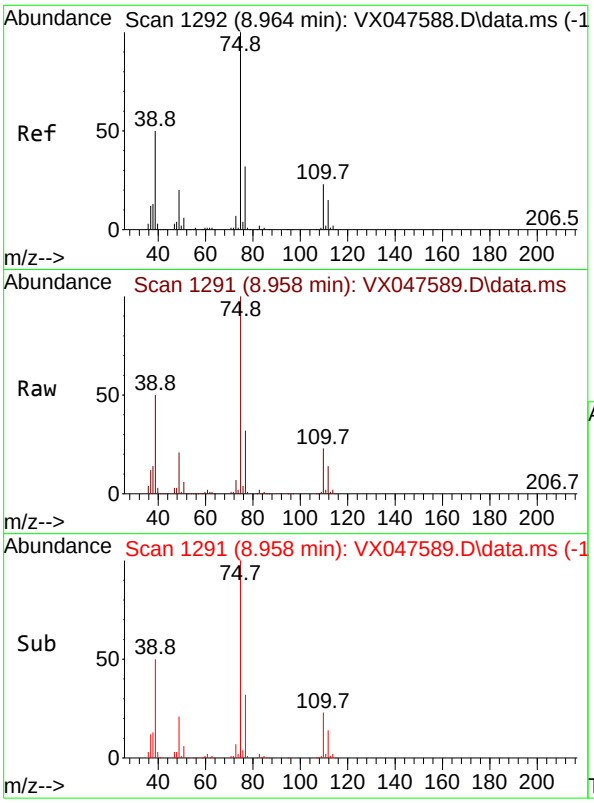



#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.3 | 137.1 | 205.7 |

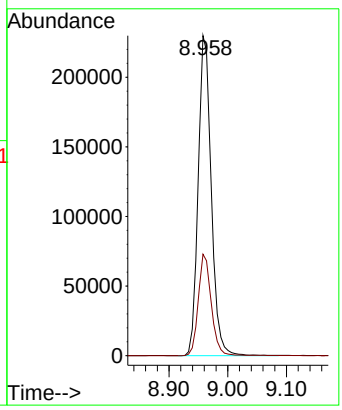





#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 35588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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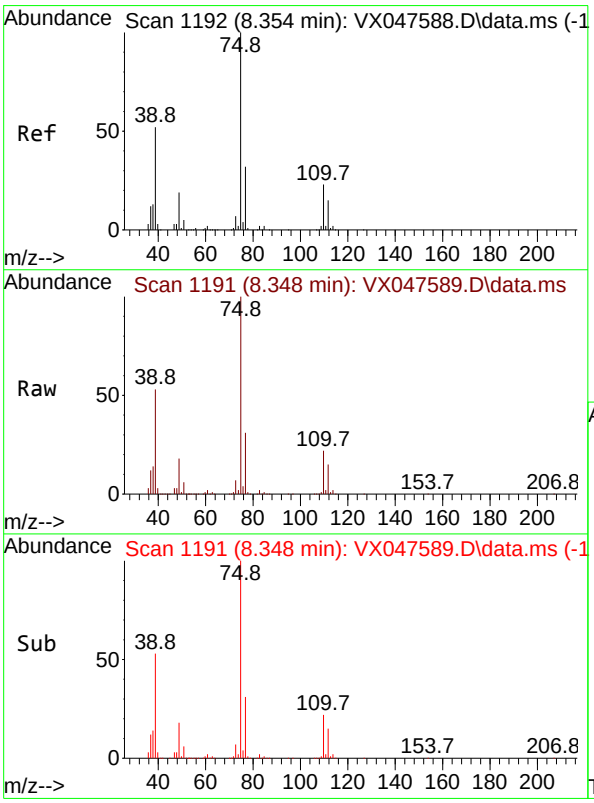
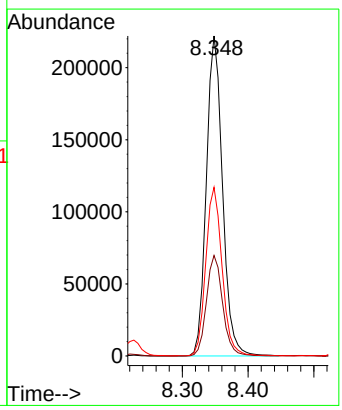
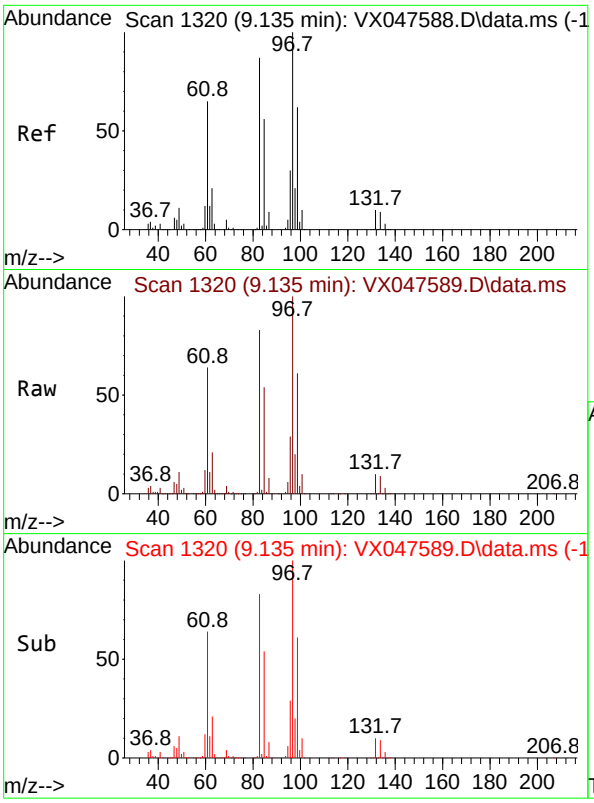



#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.8 | 38.6 |
| 39 | 52.3 | 41.4 | 62.2 |

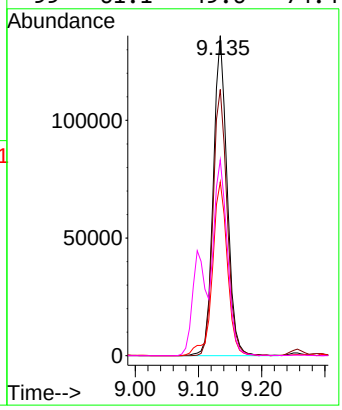





#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 20593

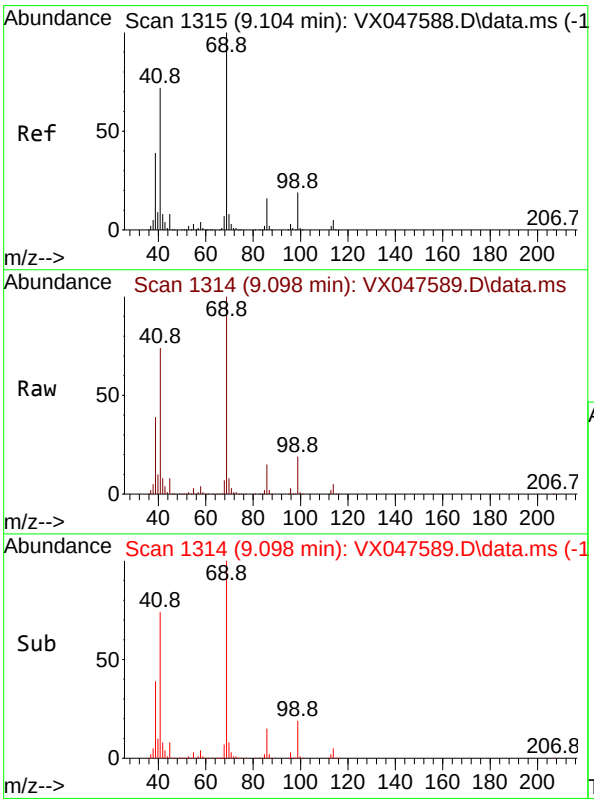
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.2 | 69.6 | 104.4 |
| 85 | 54.3 | 45.0 | 67.6 |
| 99 | 61.1 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

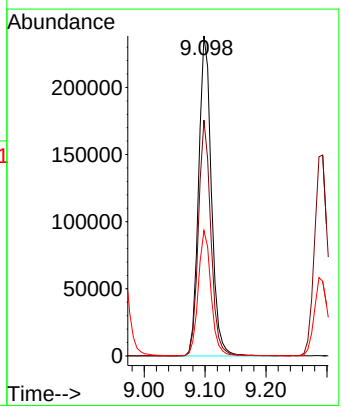
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

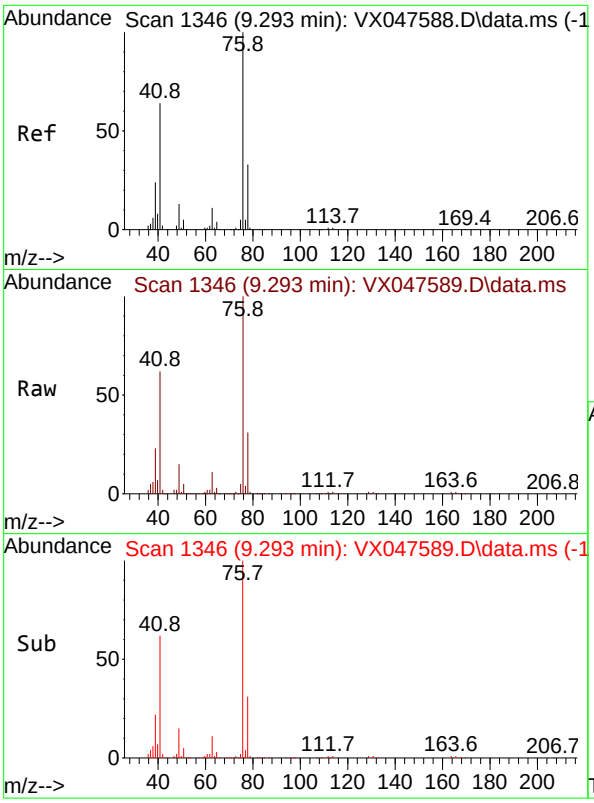



#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 58.6 | 87.8 |
| 39 | 39.0 | 31.5 | 47.3 |

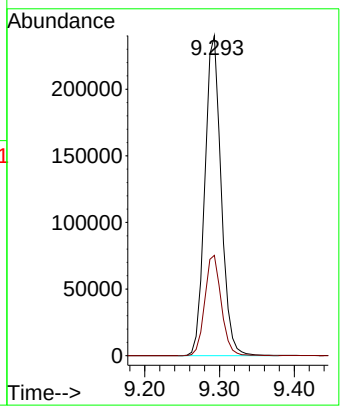





#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 76 Resp: 36284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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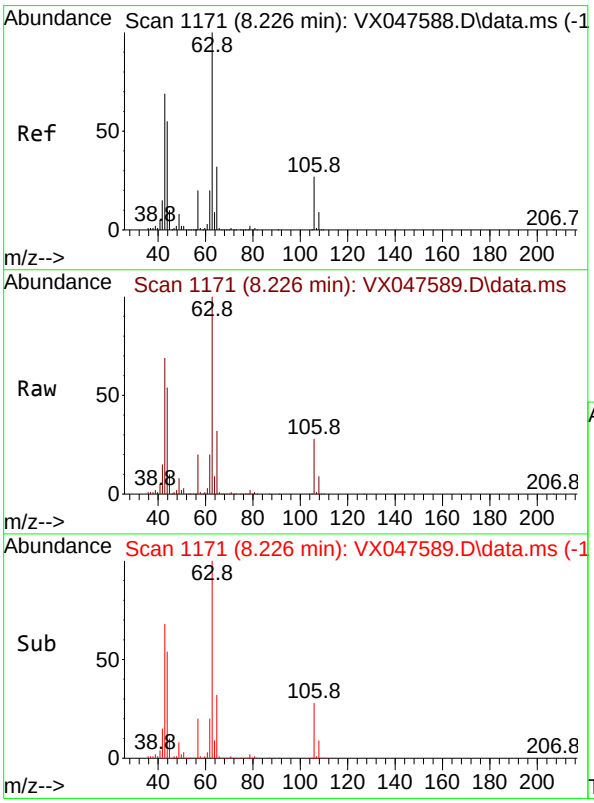
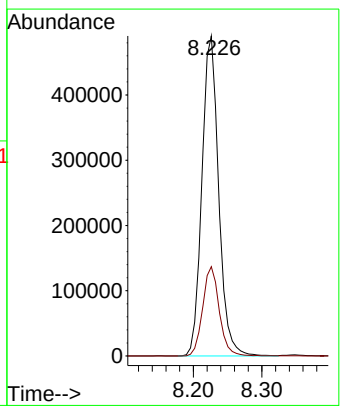
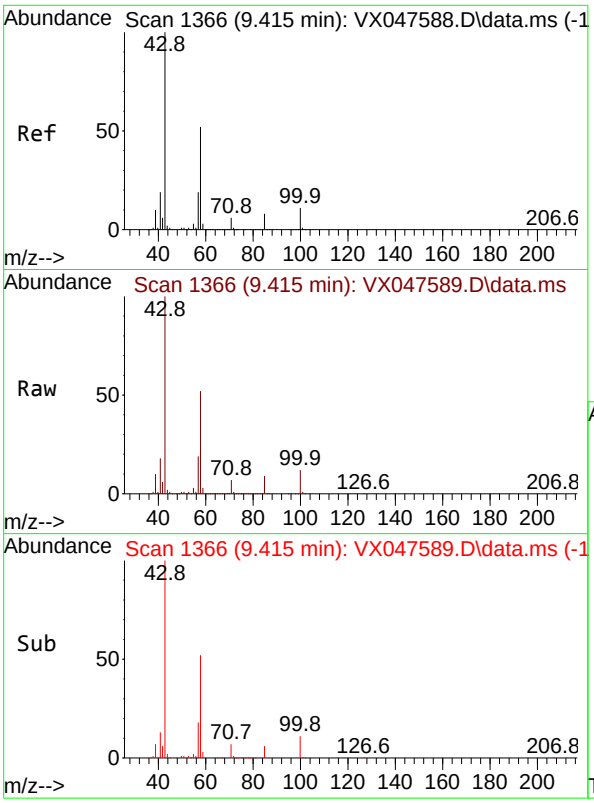



#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 99627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.4 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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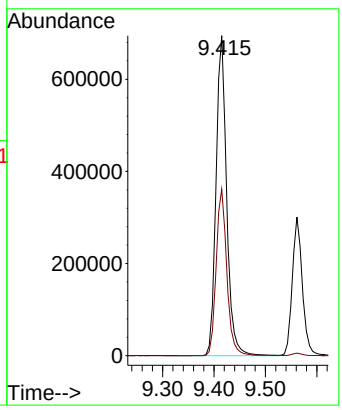
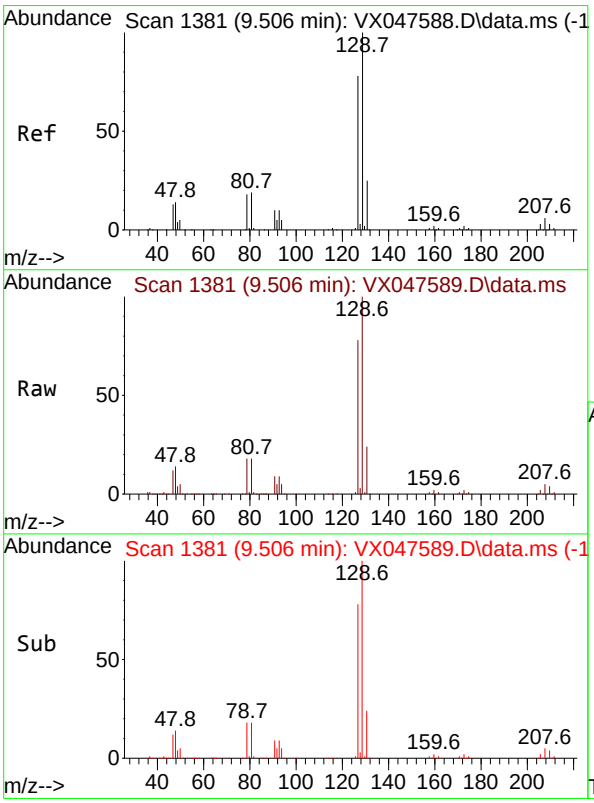
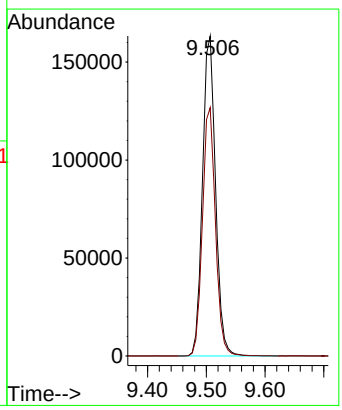


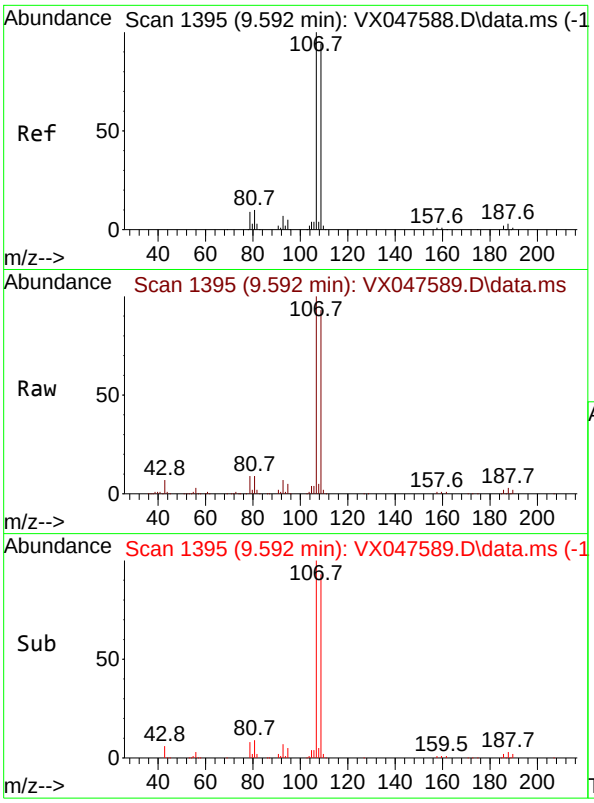




#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.4 | 115.2 |

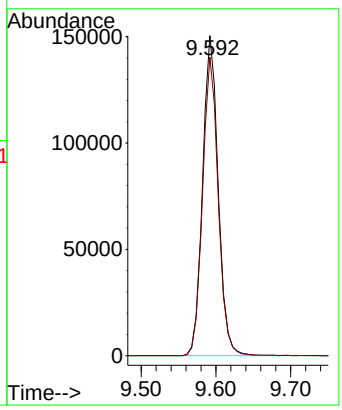





#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:107 Resp: 21775

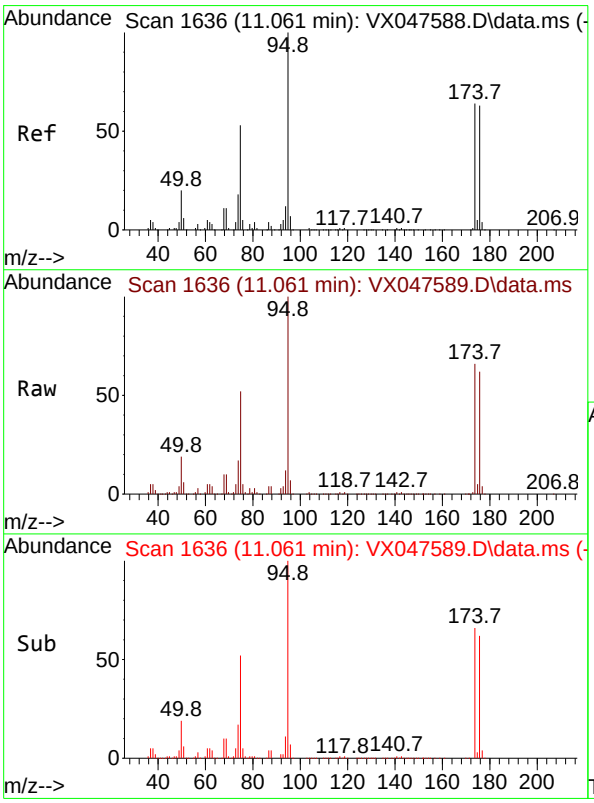
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.3 | 112.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

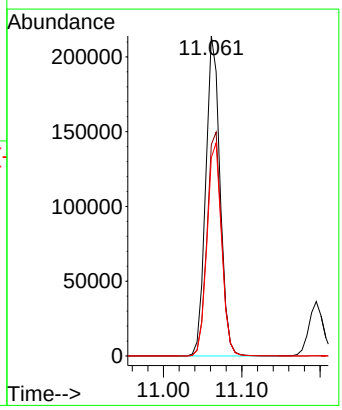
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

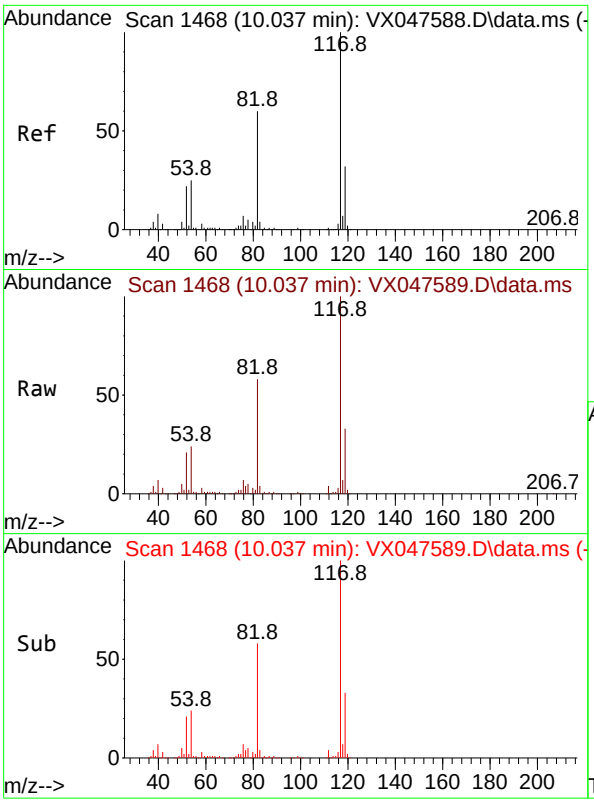



#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.7 | 0.0 | 141.6 |
| 176 | 68.0 | 0.0 | 138.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 25839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 47.8 | 71.6 |
| 119 | 32.7 | 25.2 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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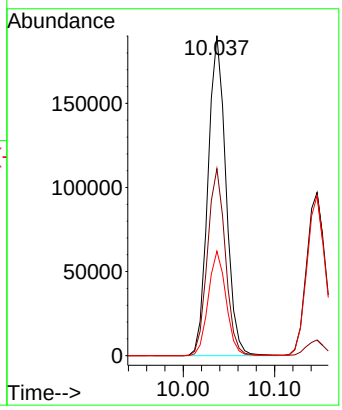
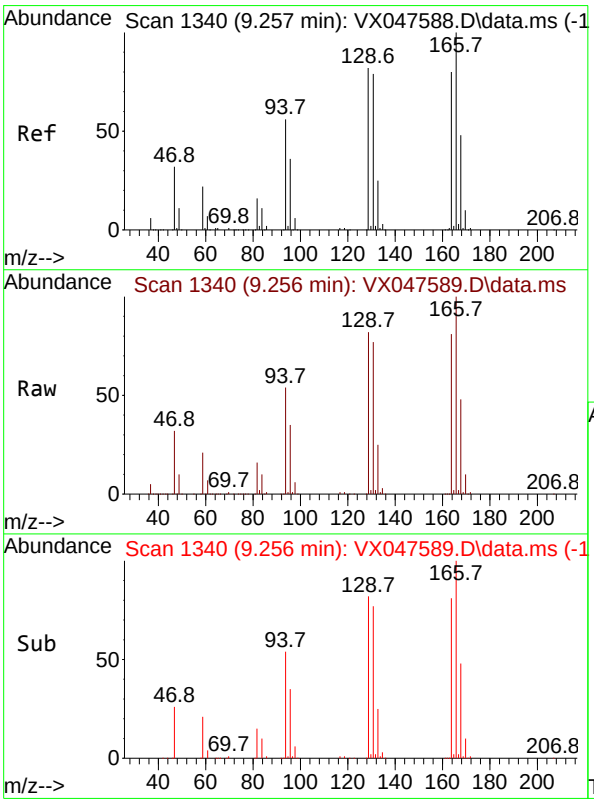
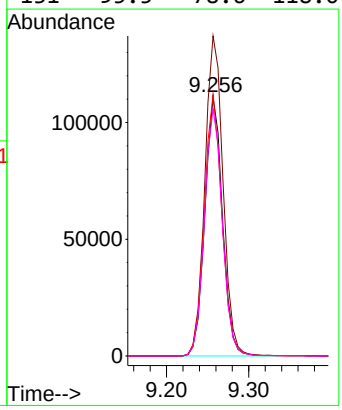


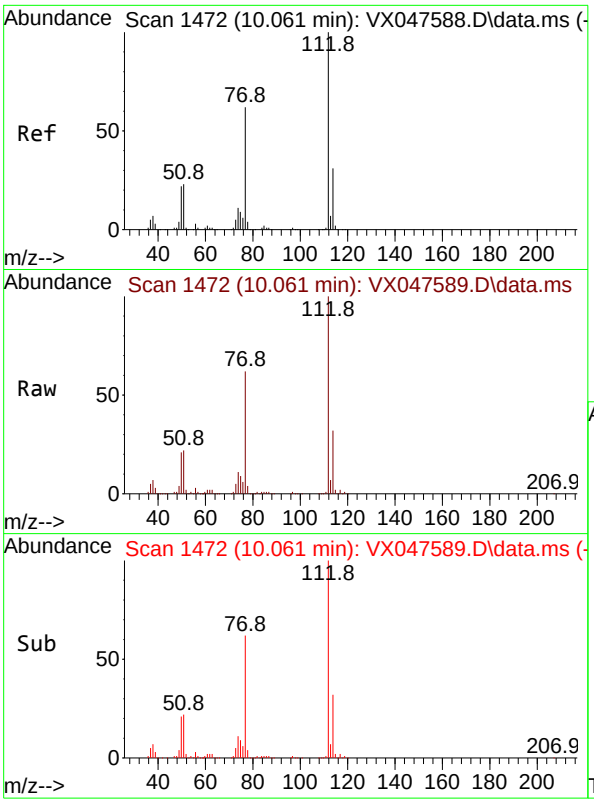




#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.6 | 100.2 | 150.2 |
| 129 | 100.9 | 81.8 | 122.6 |
| 131 | 95.5 | 78.6 | 118.0 |






#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

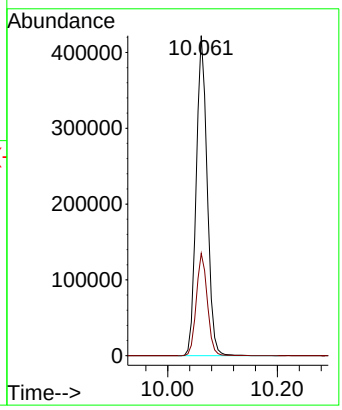
Tgt Ion:112 Resp: 58851

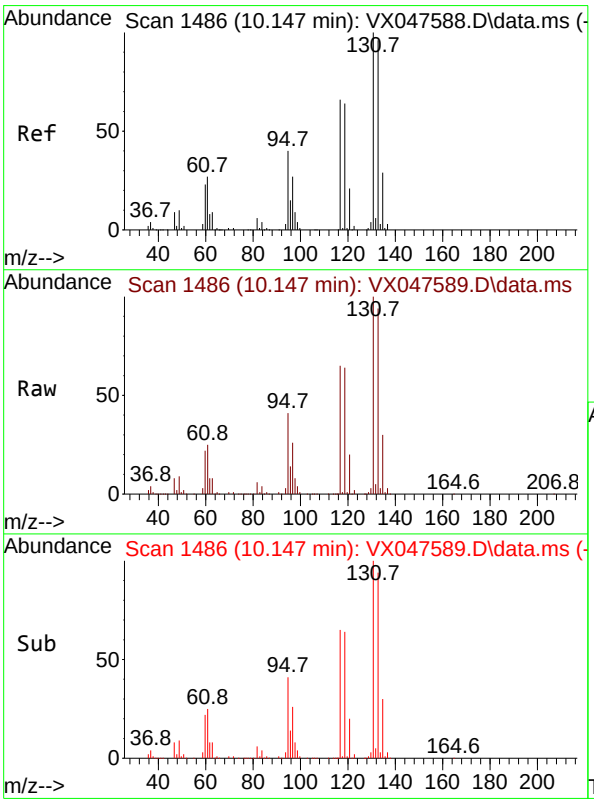
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.1 | 37.7 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

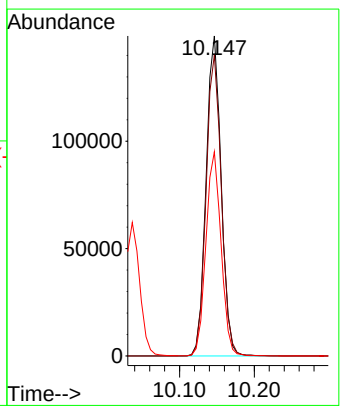


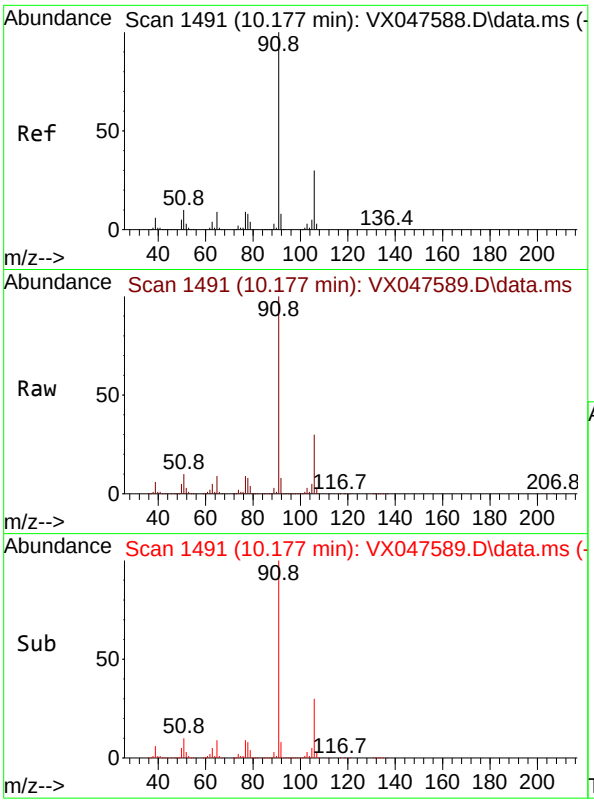




#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 142.0 |
| 119 | 64.2 | 32.0 | 96.0 |






#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

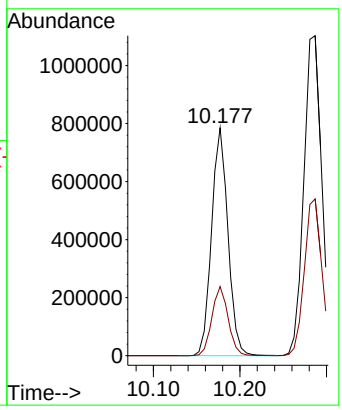
Tgt Ion: 91 Resp: 103134

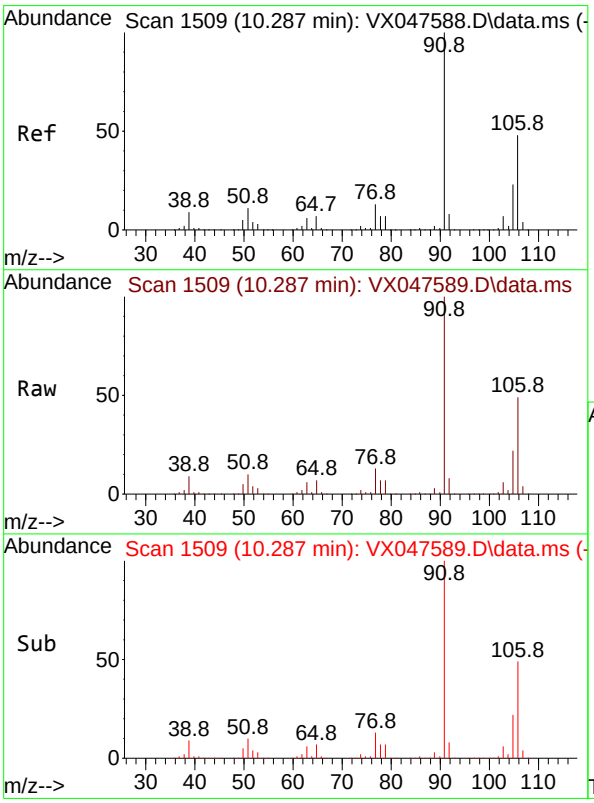
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

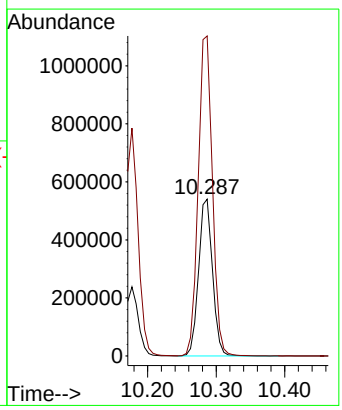


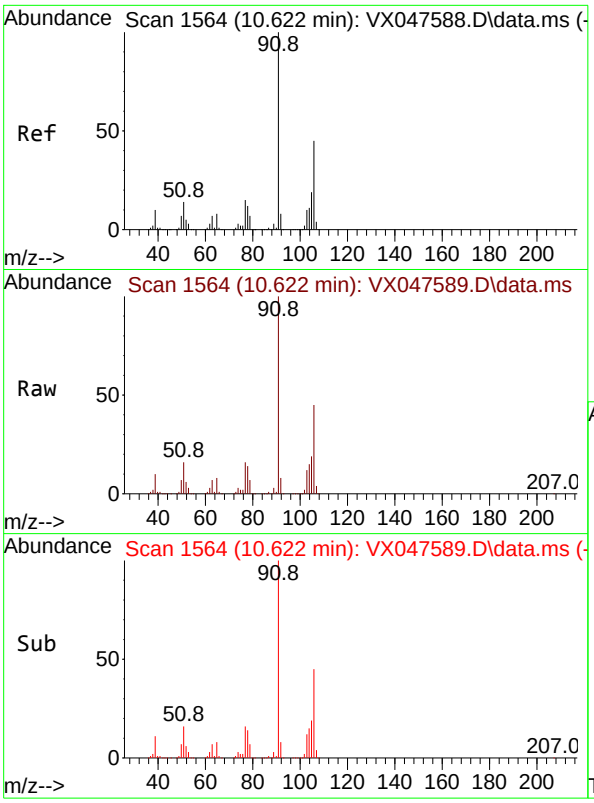




#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.5 | 167.8 | 251.8 |






#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

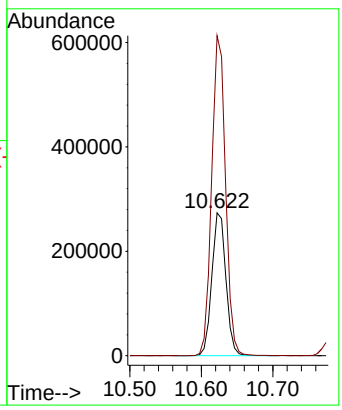
Tgt Ion:106 Resp: 37262

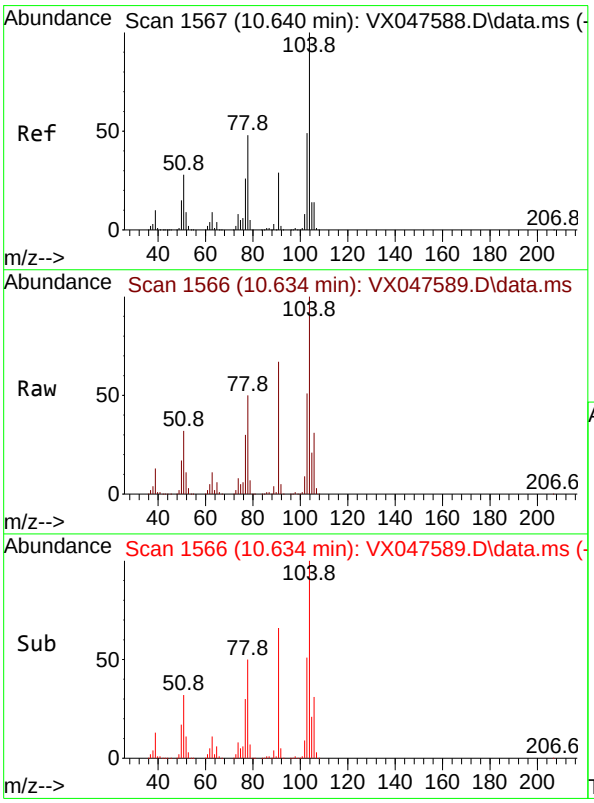
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.3 | 111.1 | 333.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

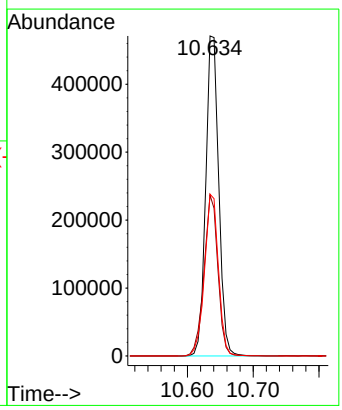


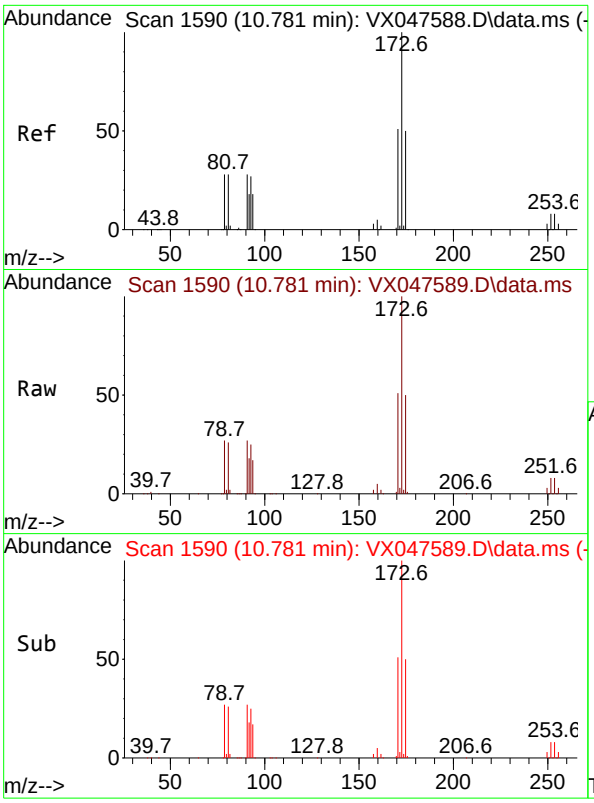




#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 43.1 | 64.7 |
| 103 | 54.1 | 43.1 | 64.7 |

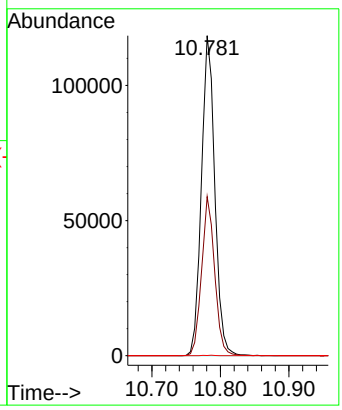





#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:173 Resp: 16118

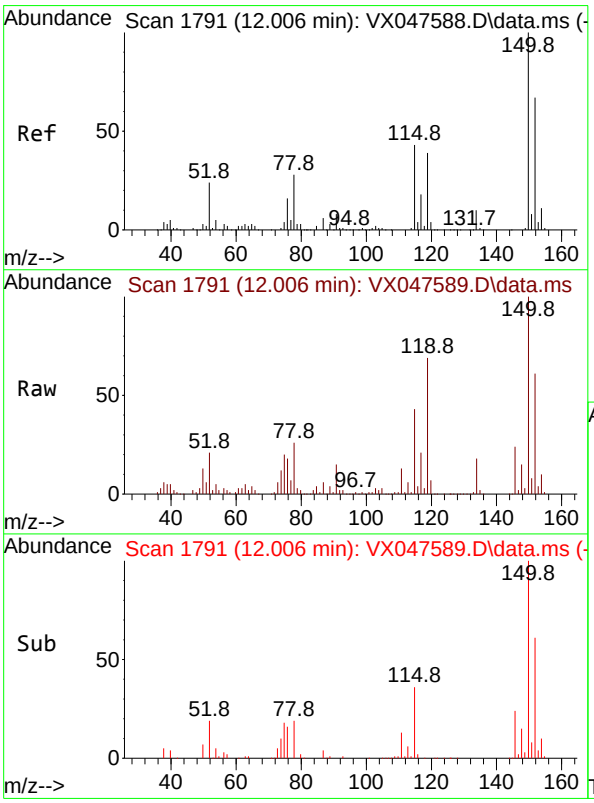
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

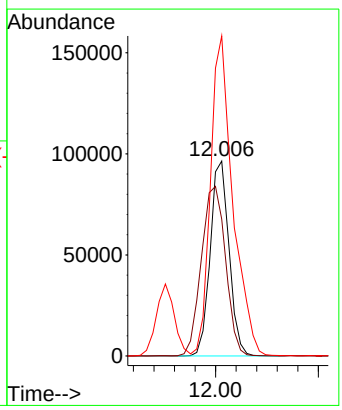
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

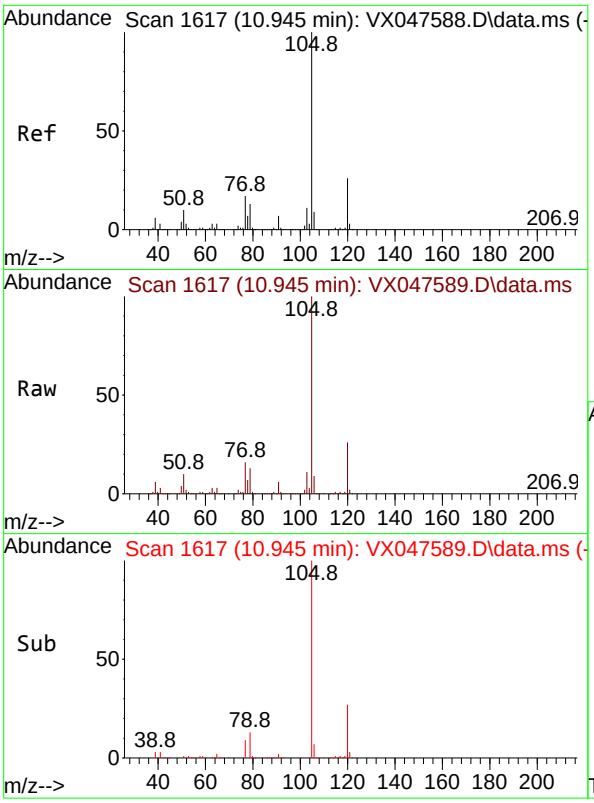



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 112.6 | 44.9 | 134.5 |
| 150 | 195.0 | 0.0 | 352.0 |

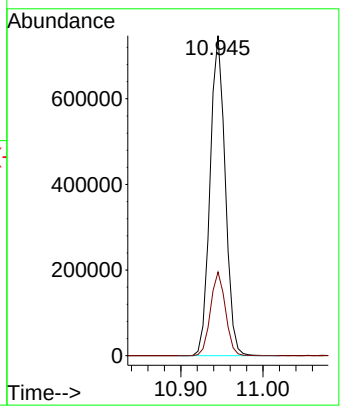





#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 95490

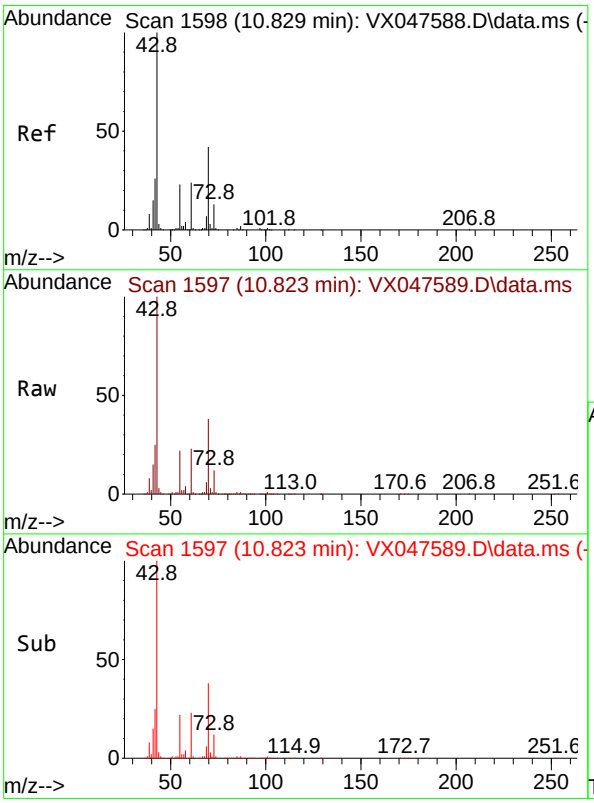
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

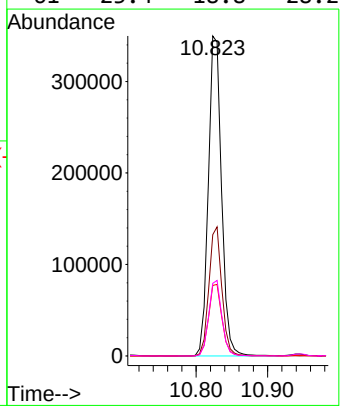
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

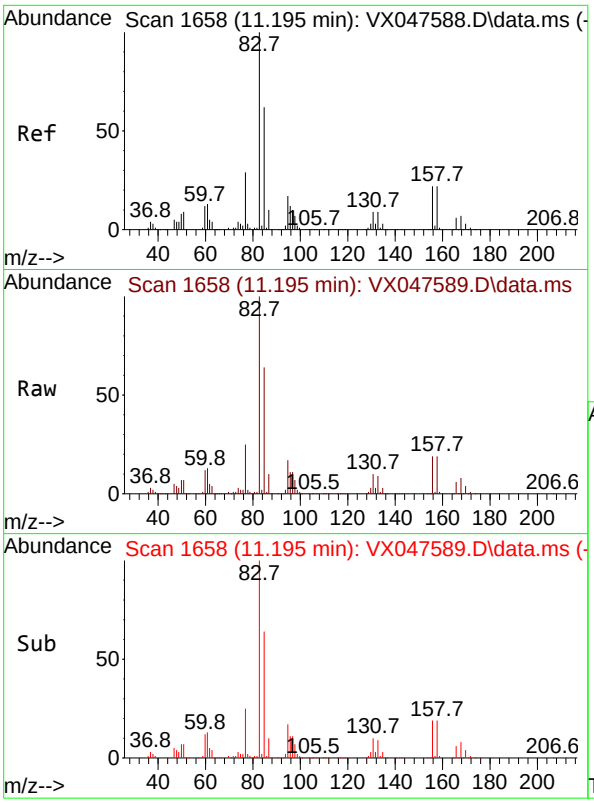



#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.6 | 32.0 | 48.0 |
| 55 | 22.8 | 18.9 | 28.3 |
| 61 | 23.4 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

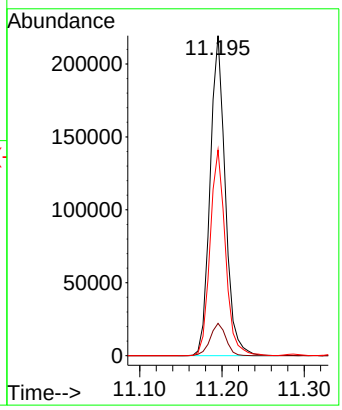
Tgt Ion: 83 Resp: 28160

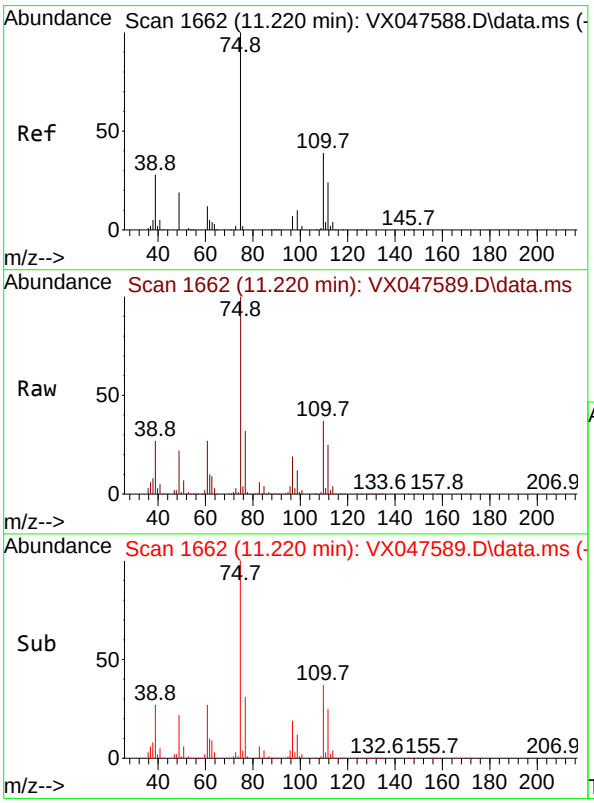
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.0 | 14.9 |
| 85 | 65.1 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

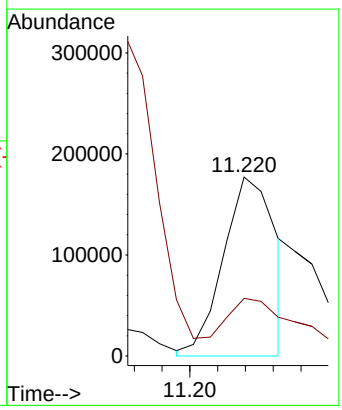


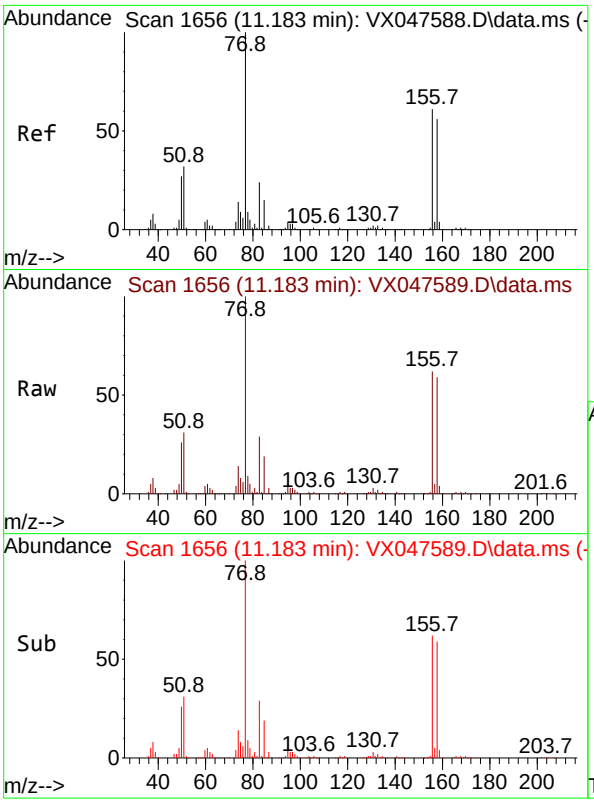




#76
1,2,3-Trichloropropane
Concen: 90.444 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 229521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.9 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

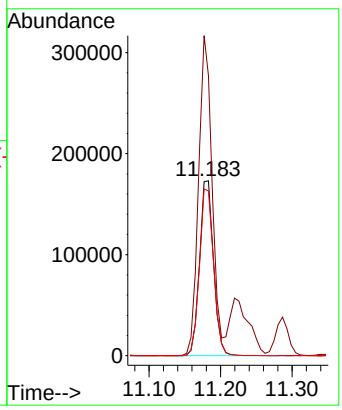
Tgt Ion:156 Resp: 23466

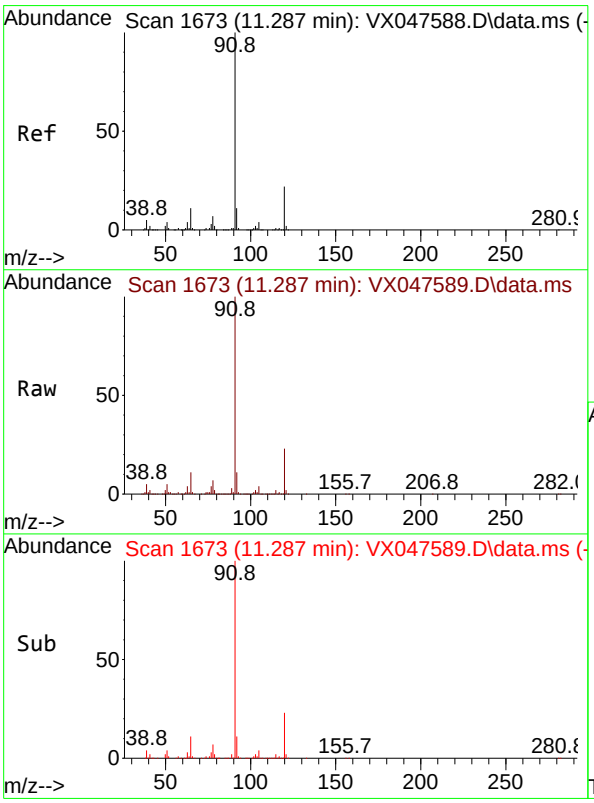
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 176.0 | 89.7 | 269.1 |
| 158 | 96.5 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

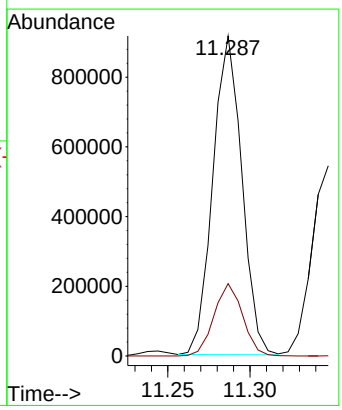


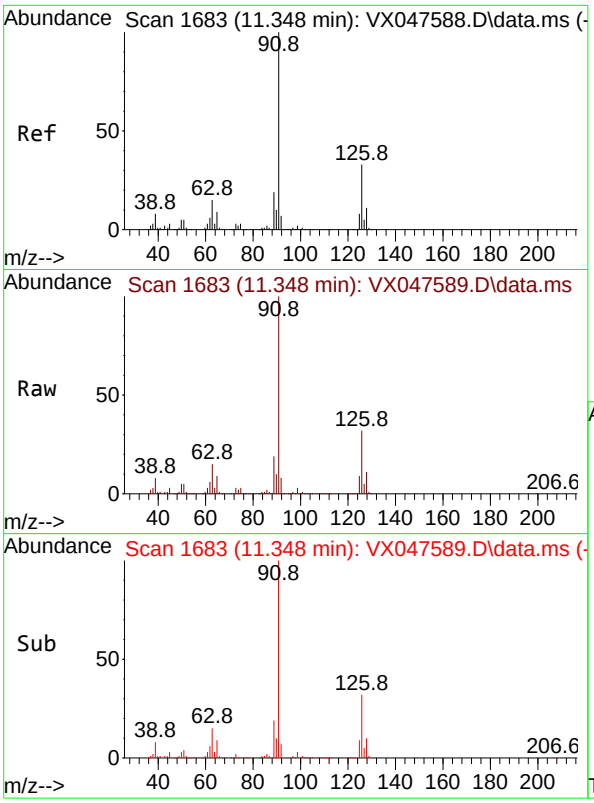




#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |

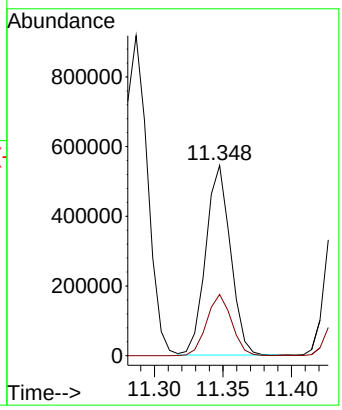





#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 68386

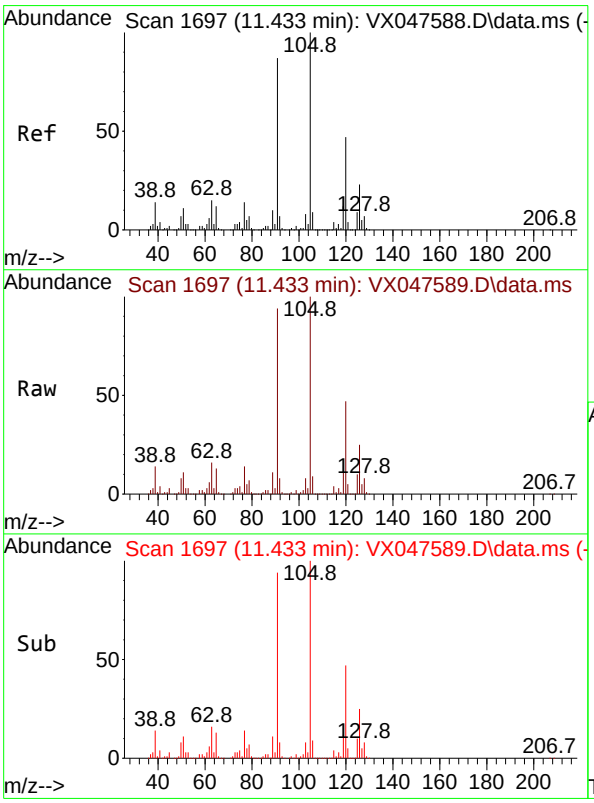
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

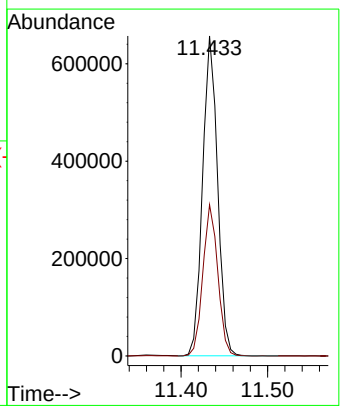
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

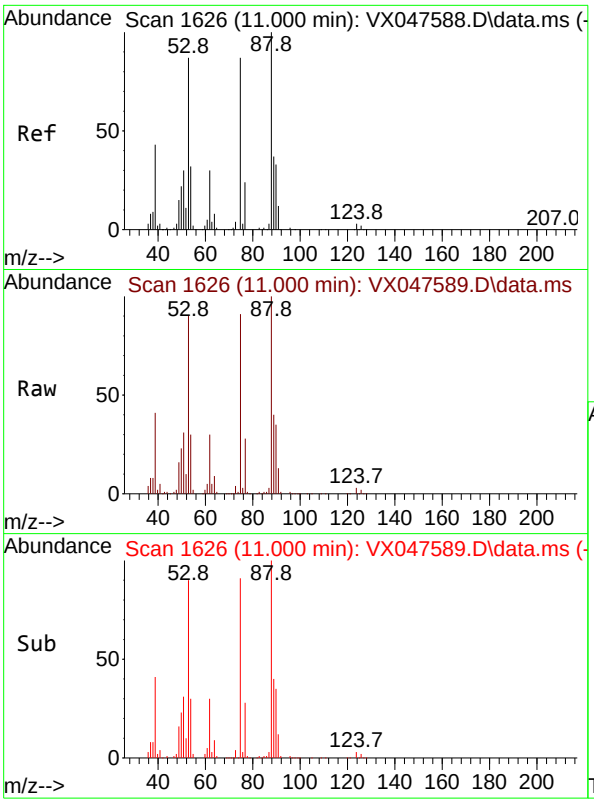



#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

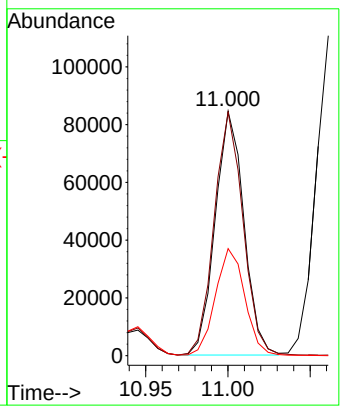
Tgt Ion: 75 Resp: 10255

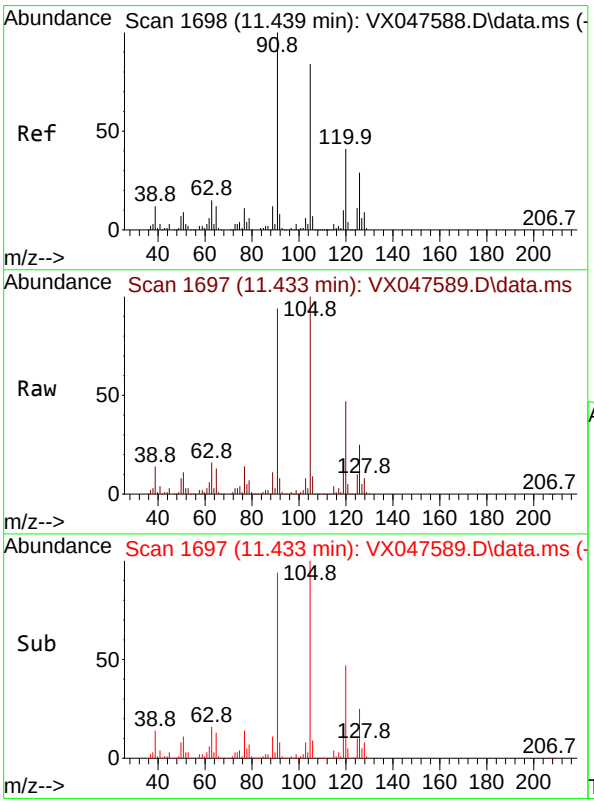
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.1 | 83.4 | 125.2 |
| 89 | 45.3 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

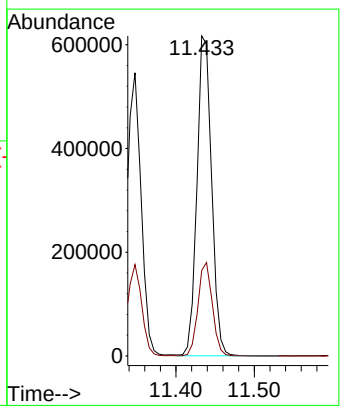


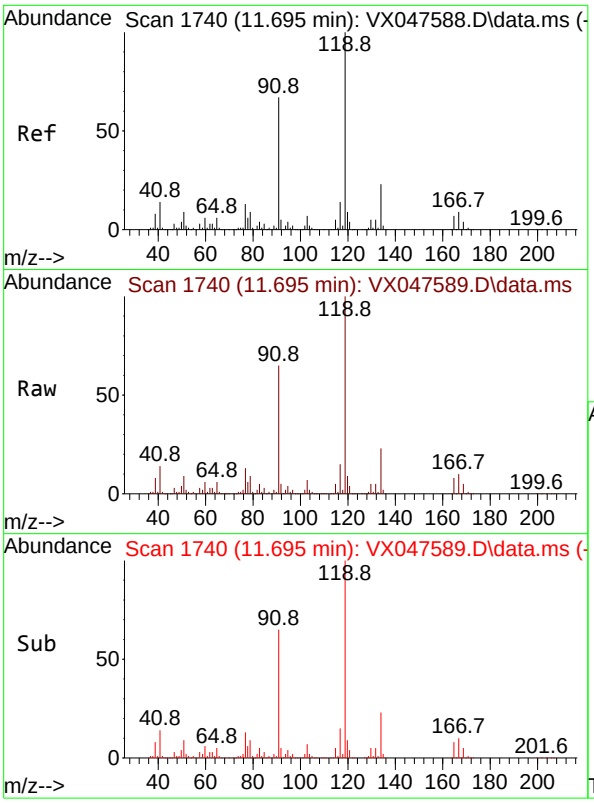




#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.2 | 42.6 |

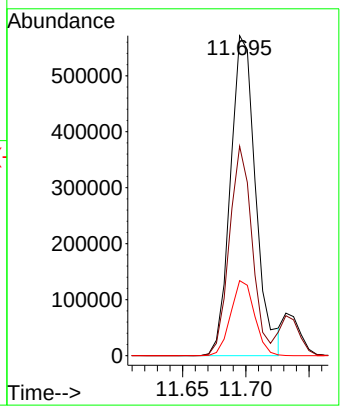





#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 79189

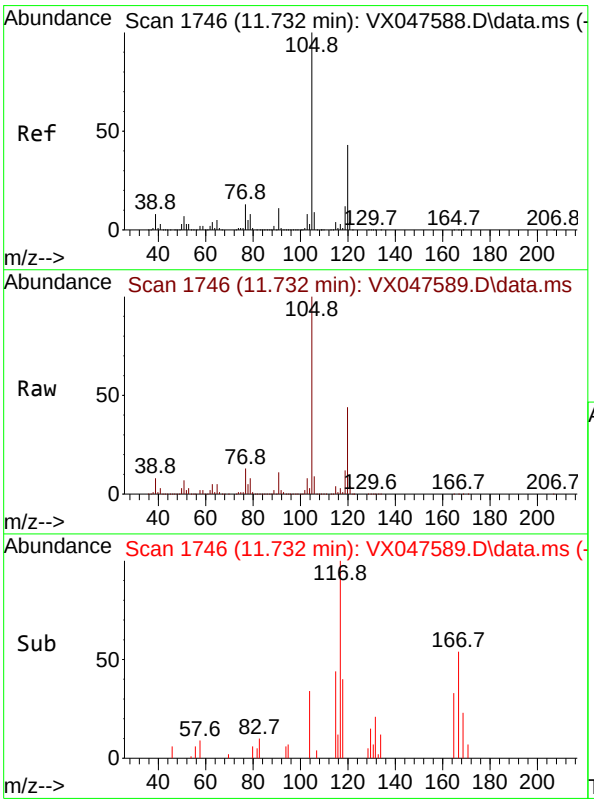
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.3 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

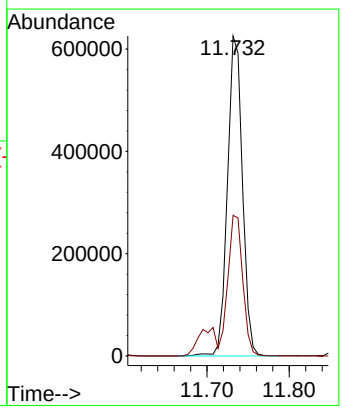
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

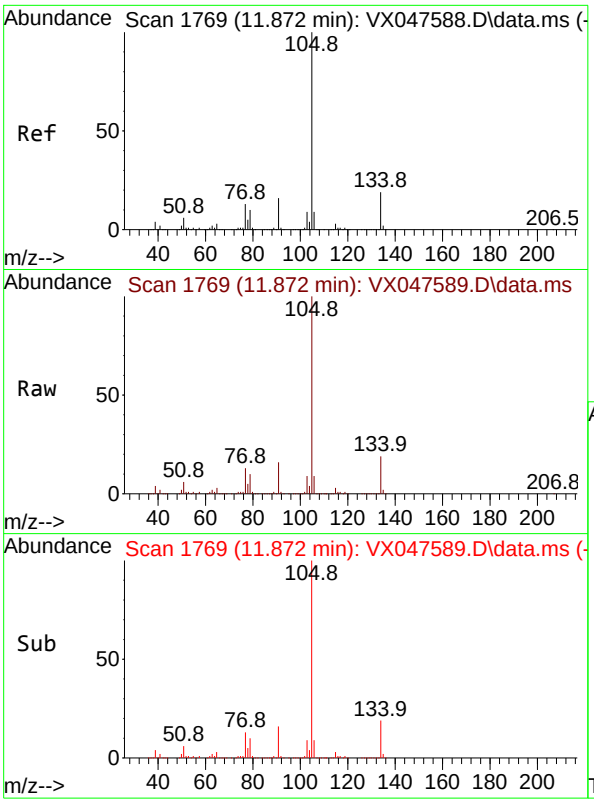



#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.1 | 66.1 |






#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

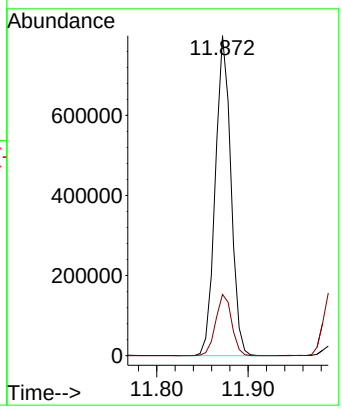
Tgt Ion:105 Resp: 94532

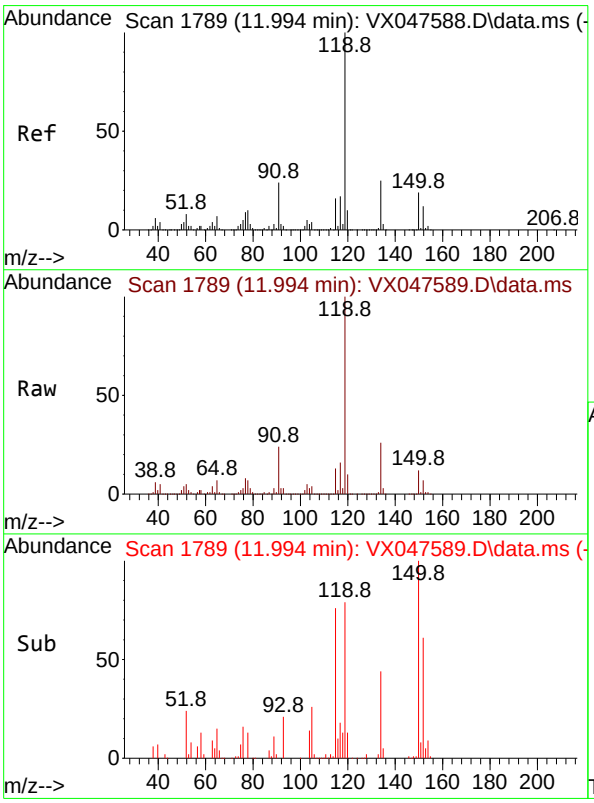
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

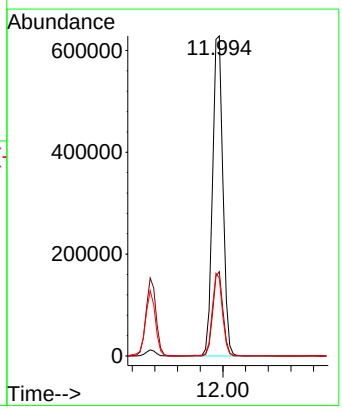


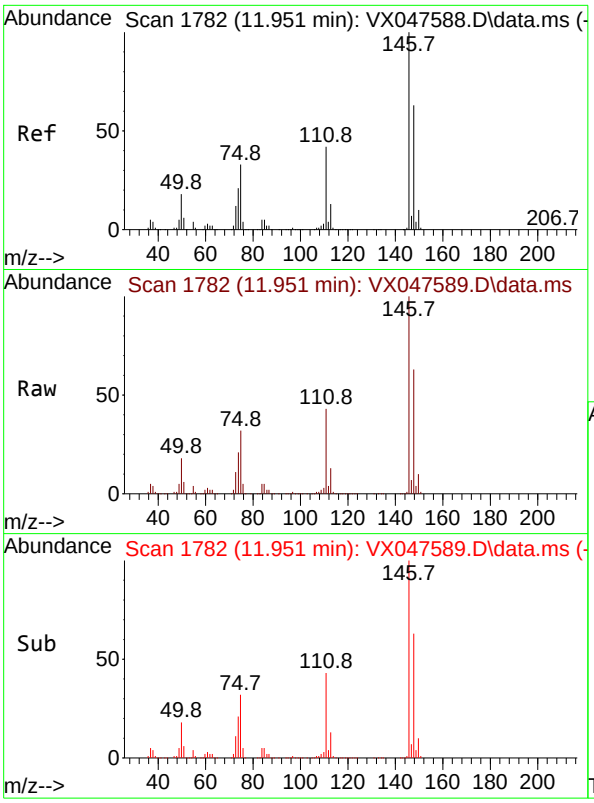




#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.6 | 37.8 |
| 91 | 25.2 | 12.6 | 37.6 |

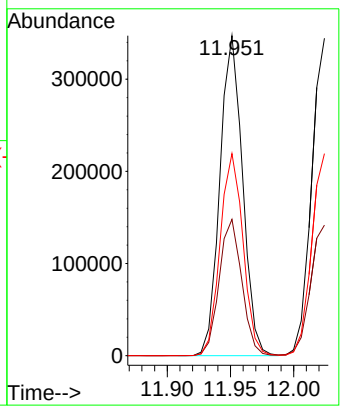





#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 43224

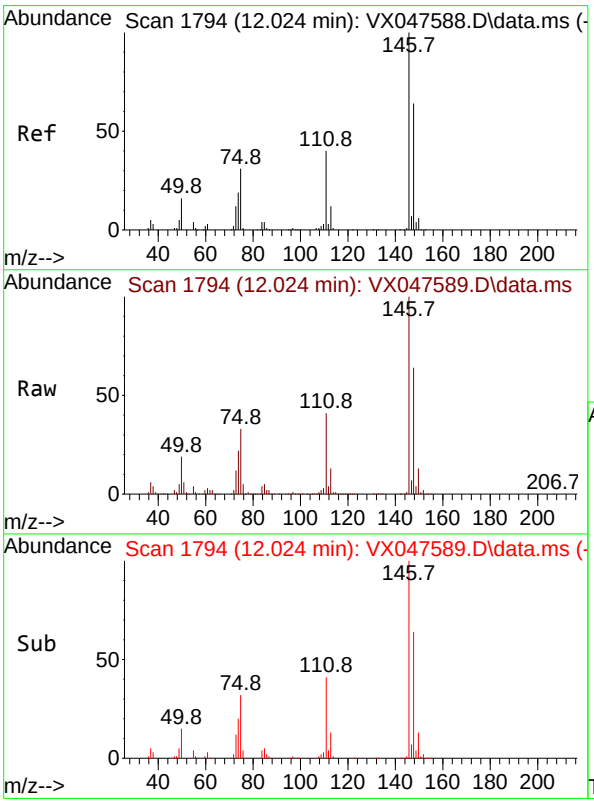
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.5 | 64.5 |
| 148 | 63.9 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

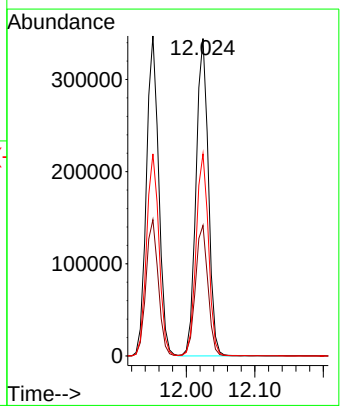
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

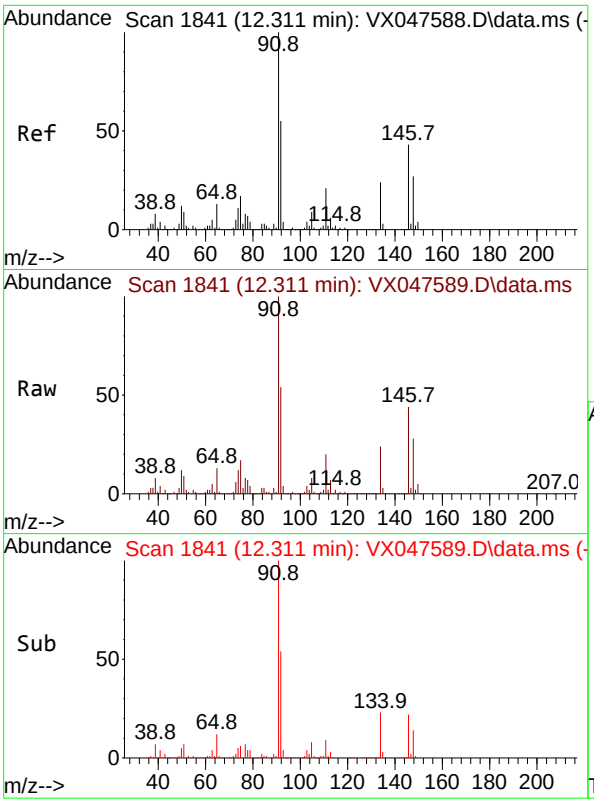



#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 63.8 | 31.7 | 95.1 |






#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

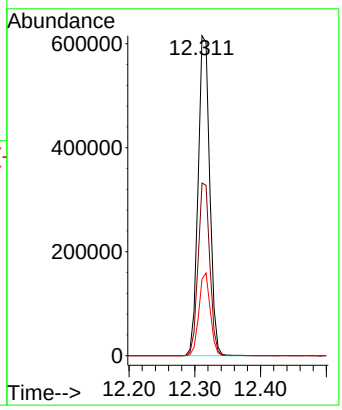
Tgt Ion: 91 Resp: 75723

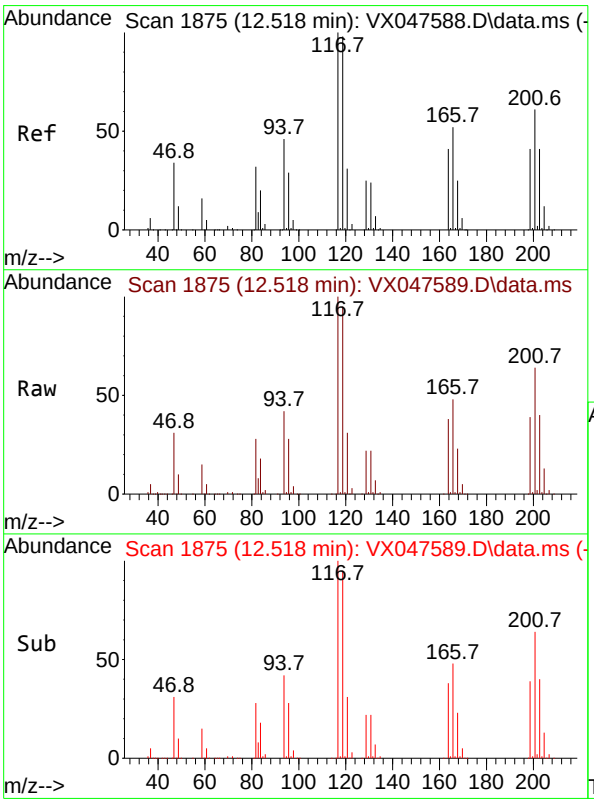
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.6 | 82.7 |
| 134 | 25.1 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

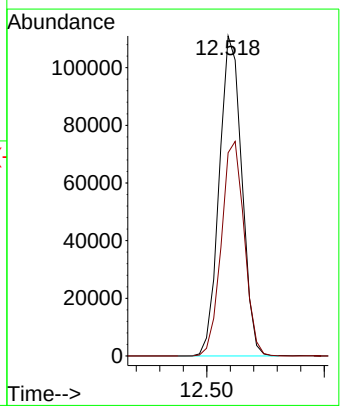


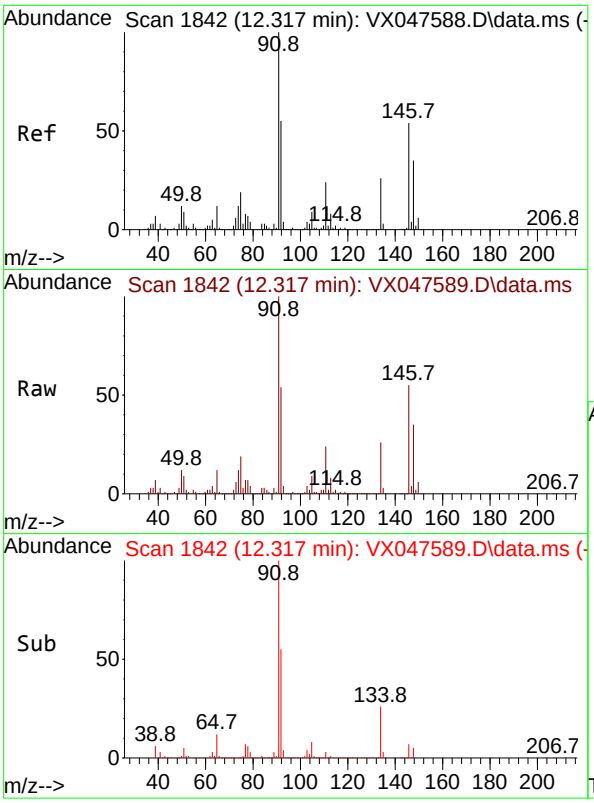




#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.1 | 34.2 | 102.5 |

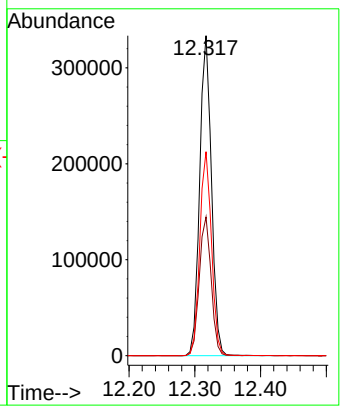





#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 41449

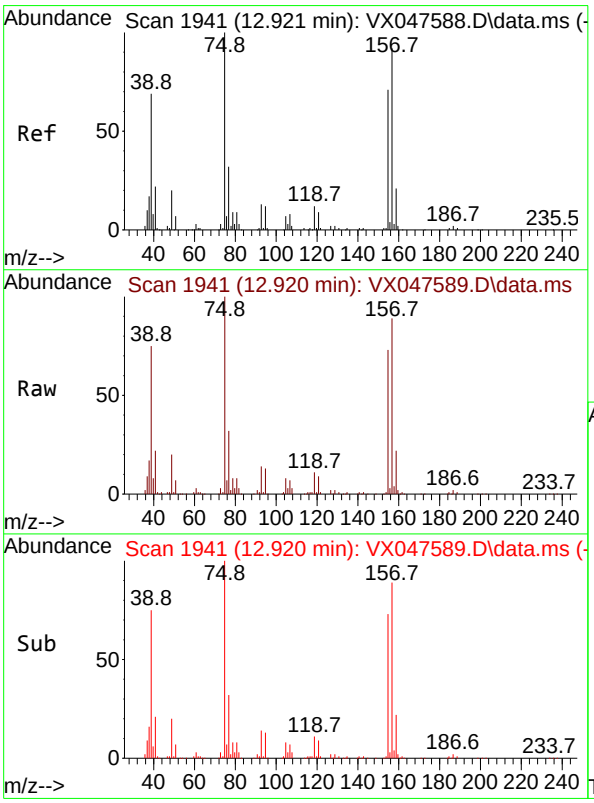
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 63.4 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

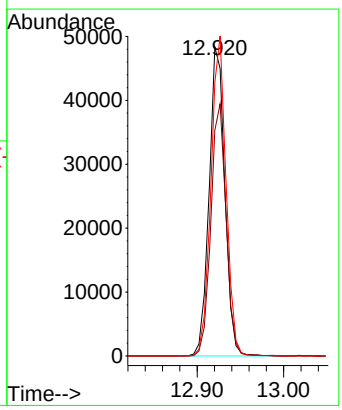
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

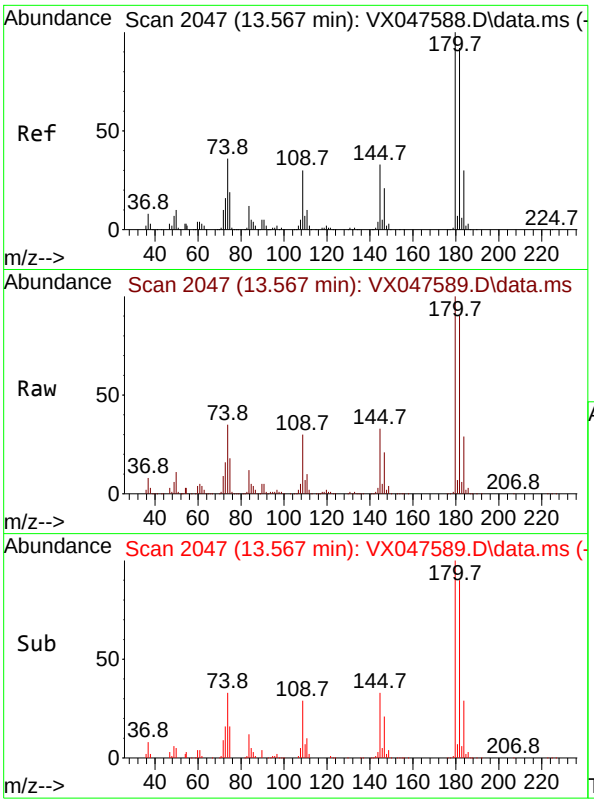



#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.0 | 37.7 | 113.1 |
| 157 | 99.2 | 49.8 | 149.4 |

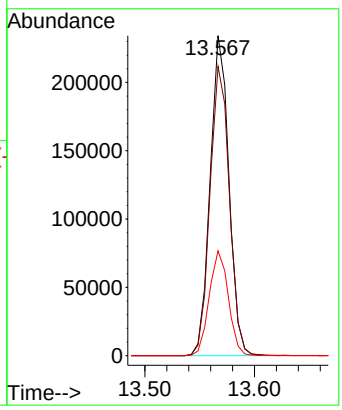





#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 27877

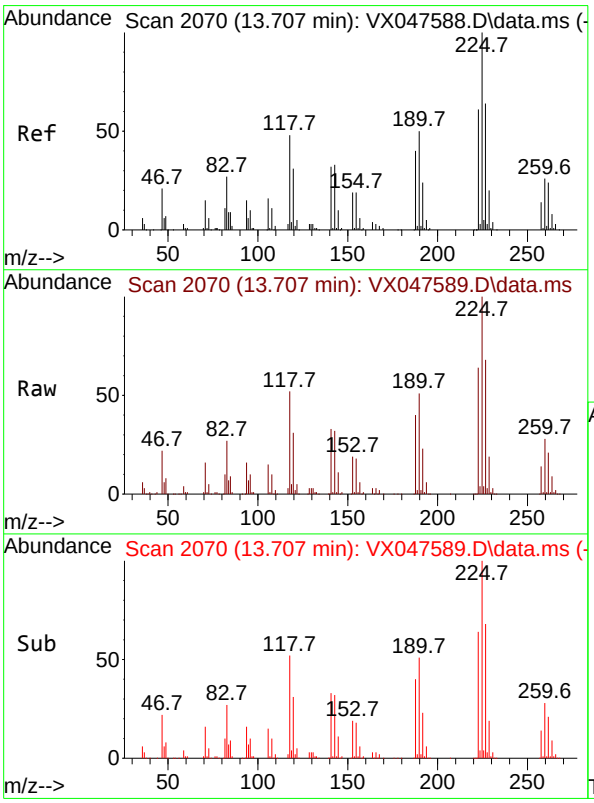
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.6 | 139.8 |
| 145 | 33.3 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

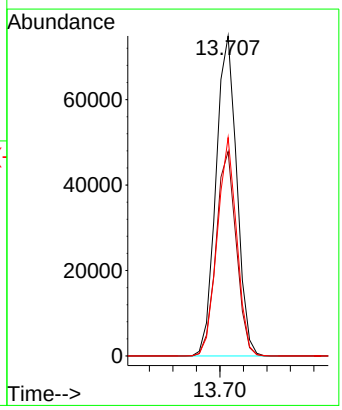
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

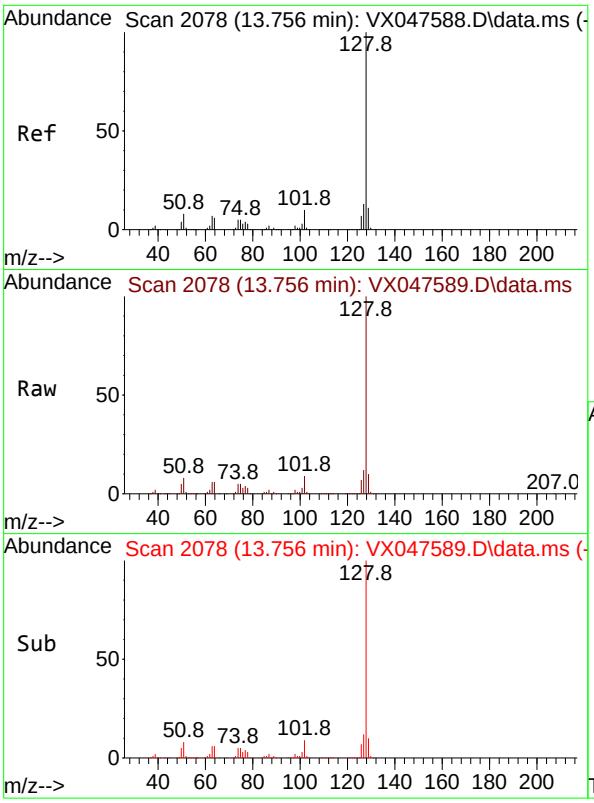



#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 31.7 | 95.1 |
| 227 | 63.8 | 32.0 | 96.0 |

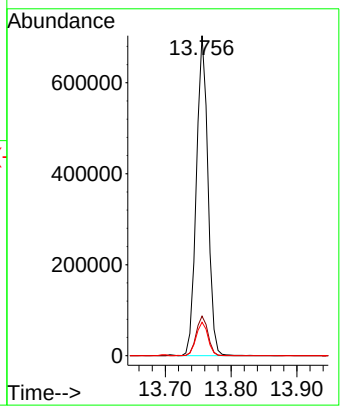





#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:128 Resp: 85449

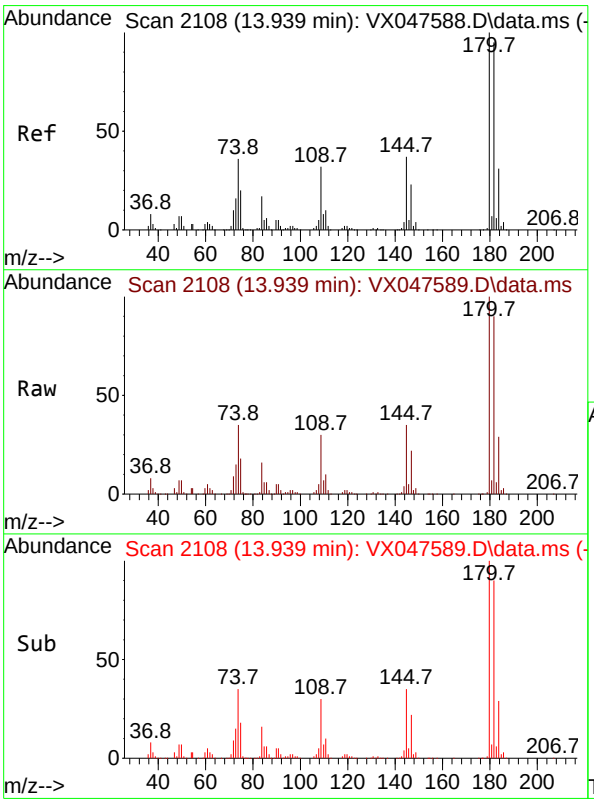
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

**Manual Integrations**
**APPROVED**

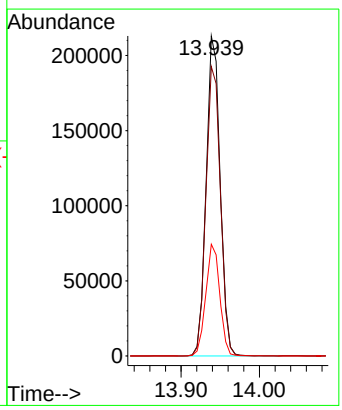
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 47.6 | 142.8 |
| 145 | 35.0 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 153177 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 274804 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 241818 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 114743 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 396627 | 162.673 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 325.340%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 303728 | 164.802 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 329.600%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 1041079 | 163.253 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 326.500%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 399386 | 165.020 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 330.040%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 226166 | 142.586 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 297259 | 142.593 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 302303 | 148.140 | ug/l | 98 |
| 5) Bromomethane | 1.605 | 94 | 147541 | 114.019 | ug/l | 98 |
| 6) Chloroethane | 1.691 | 64 | 195927 | 143.652 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 453116 | 149.545 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 188006 | 151.684 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 267995 | 151.264 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 407242 | 147.384 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 215927 | 795.166 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 273692 | 150.388 | ug/l | 97 |
| 13) Acrolein | 2.239 | 56 | 223763 | 894.203 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 554779 | 147.727 | ug/l | 99 |
| 15) Acrylonitrile | 3.063 | 53 | 790790 | 786.201 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 686119 | 647.201 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 714503 | 143.412 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 404736 | 171.548 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 1015295 | 152.826 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 324032 | 144.398 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 291616 | 148.833 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 1095726 | 150.551 | ug/l | 97 |
| 23) Vinyl Acetate | 3.715 | 43 | 4504849 | 773.364 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 587129 | 151.776 | ug/l | 98 |
| 25) 2-Butanone | 4.544 | 43 | 973938 | 736.502 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 486890 | 151.414 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 366262 | 152.638 | ug/l | 99 |
| 28) Bromochloromethane | 4.885 | 49 | 289548 | 171.451 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.989 | 42 | 616374 | 774.811 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 591709 | 151.367 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 456119 | 141.570 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 506654 | 152.802 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 386601 | 143.556 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 444461 | 154.141 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 427263 | 146.021 | ug/l | 98 |
| 39) Methylcyclohexane | 7.367 | 83 | 456694 | 149.395 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 1202846 | 147.057 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 223218 | 149.951 ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 455978 | 146.515 ug/l | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 724888 | 153.283 ug/l | 99 |
| 44) Trichloroethene | 7.111 | 130 | 299673 | 151.542 ug/l | 96 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 316720 | 151.219 ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 228550 | 149.954 ug/l | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 483438 | 153.710 ug/l | 98 |
| 48) Methyl methacrylate | 7.678 | 41 | 367931 | 156.194 ug/l | 99 |
| 49) 1,4-Dioxane | 7.647 | 88 | 82739 | 3475.565 ug/l | 98 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 2008063 | 765.849 ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 739332 | 146.712 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 503912 | 157.076 ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 530566 | 154.732 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 289103 | 148.781 ug/l | 99 |
| 56) Ethyl methacrylate | 9.104 | 69 | 490623 | 160.773 ug/l | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 502121 | 150.426 ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 1202206 | 749.661 ug/l | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 1412417 | 750.035 ug/l | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 347748 | 155.318 ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 302715 | 152.949 ug/l | 99 |
| 64) Tetrachloroethene | 9.263 | 164 | 227931 | 144.590 ug/l | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 828239 | 150.763 ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 291433 | 153.733 ug/l | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 1431554 | 151.026 ug/l | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 1059776 | 300.381 ug/l | 99 |
| 69) o-Xylene | 10.628 | 106 | 521840 | 152.920 ug/l | 99 |
| 70) Styrene | 10.640 | 104 | 917532 | 153.449 ug/l | 99 |
| 71) Bromoform | 10.781 | 173 | 229683 | 162.262 ug/l | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 1321409 | 151.477 ug/l | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 636879 | 160.099 ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 403906 | 153.035 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.226 | 75 | 366171m | 153.692 ug/l | |
| 77) Bromobenzene | 11.183 | 156 | 328336 | 152.818 ug/l | 99 |
| 78) n-propylbenzene | 11.287 | 91 | 1550316 | 150.337 ug/l | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 939707 | 148.781 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 1091593 | 152.306 ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 145921 | 160.176 ug/l | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 1127233 | 151.112 ug/l | 100 |
| 83) tert-Butylbenzene | 11.701 | 119 | 1106532 | 150.819 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 1106914 | 152.336 ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 1319819 | 151.448 ug/l | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 1103210 | 149.530 ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 605123 | 151.633 ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 613617 | 149.814 ug/l | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 1032357 | 151.222 ug/l | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 211472 | 163.258 ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 582565 | 153.227 ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 89415 | 167.332 ug/l | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 387652 | 156.884 ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 121791 | 145.110 ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 1229363 | 163.388 ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 369382 | 160.704 ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

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

ICAL Form

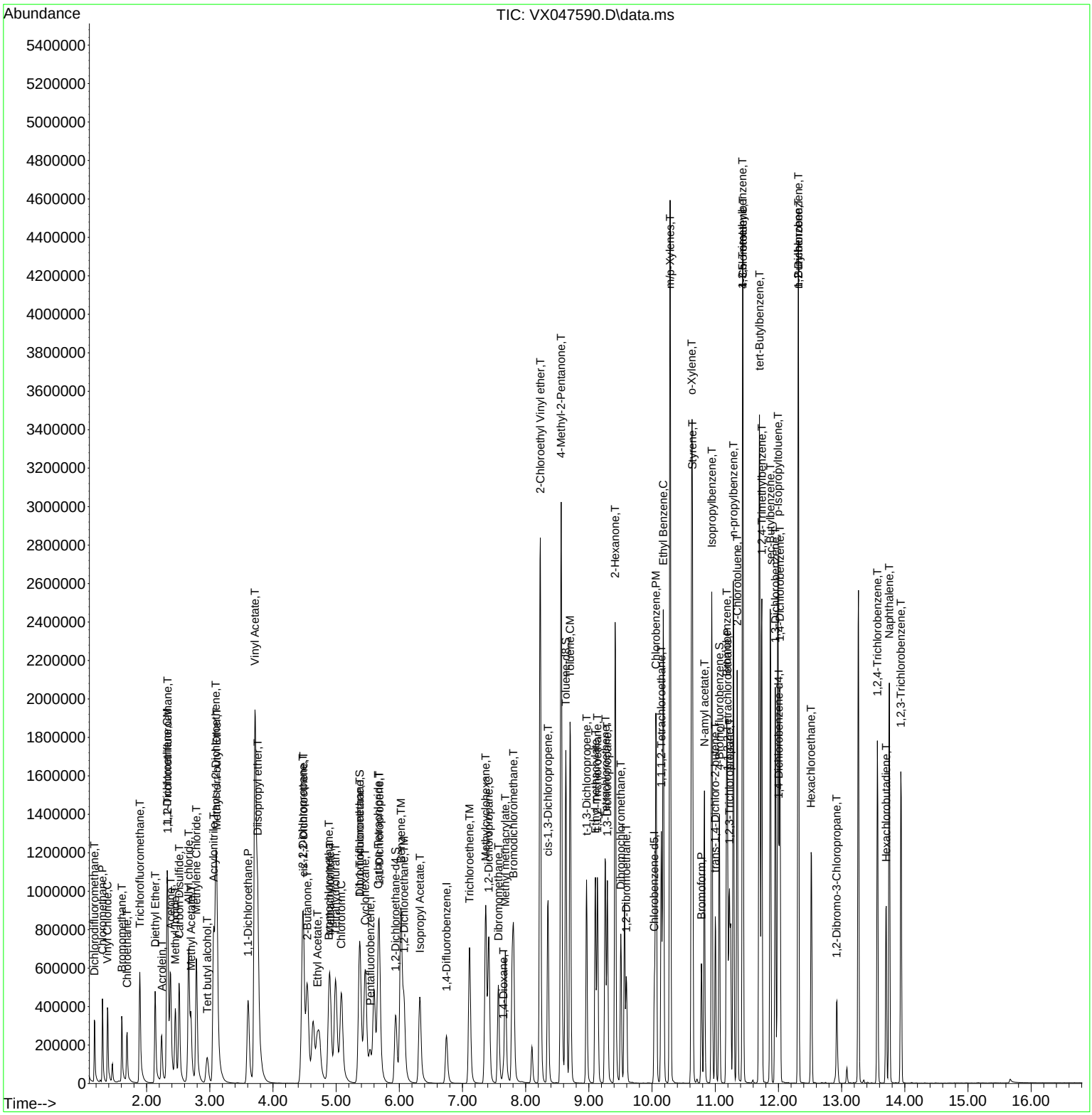
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

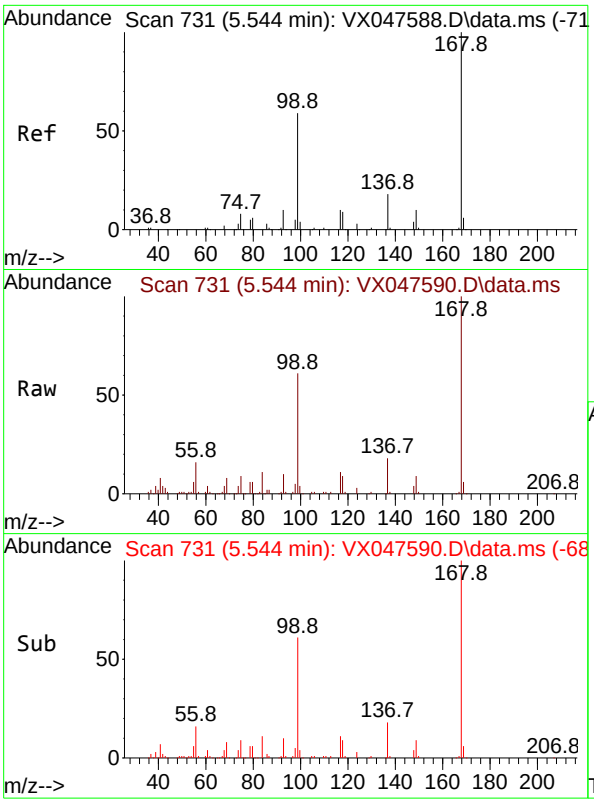
Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

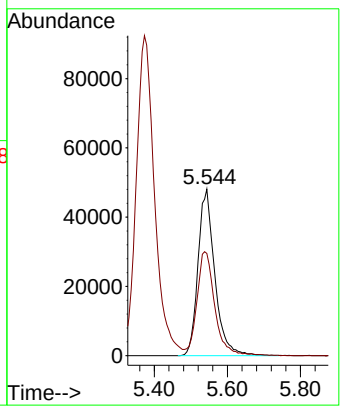





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:168 Resp: 15317

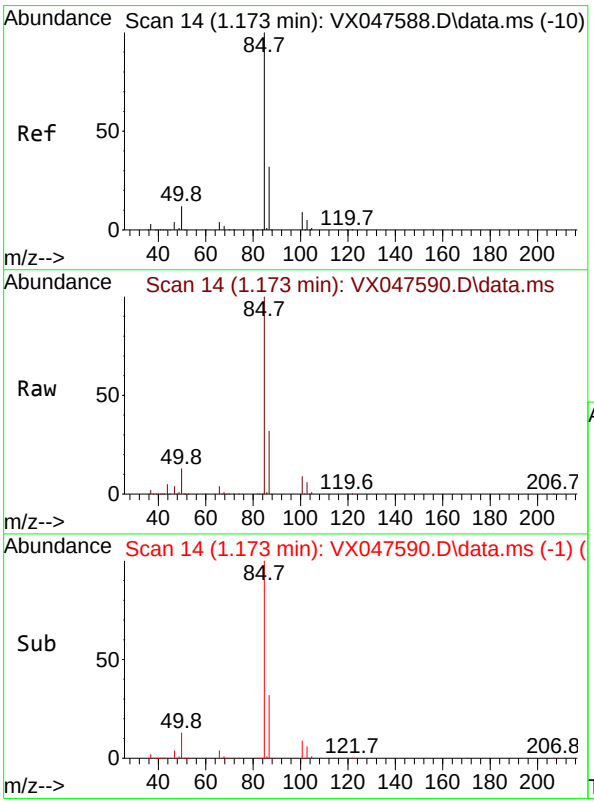
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

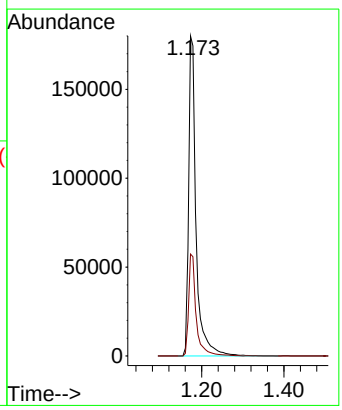
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

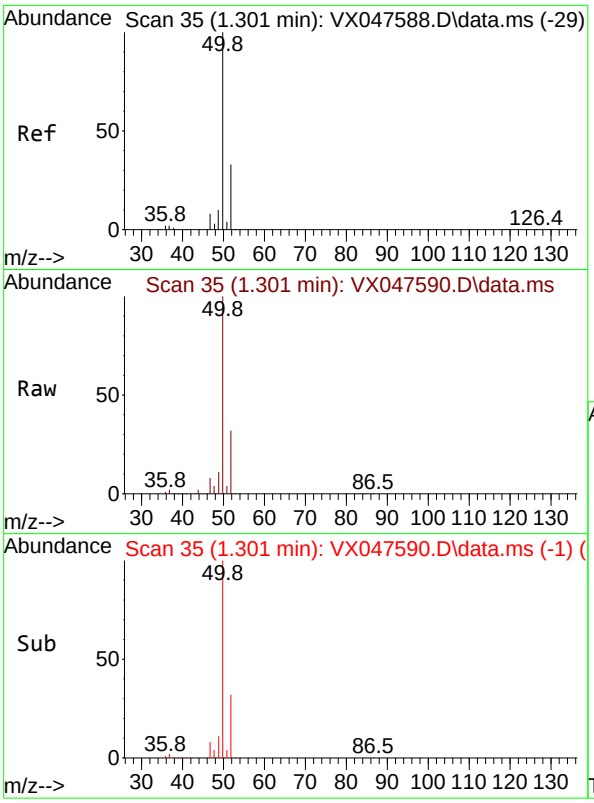



#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 15.8 | 47.3 |

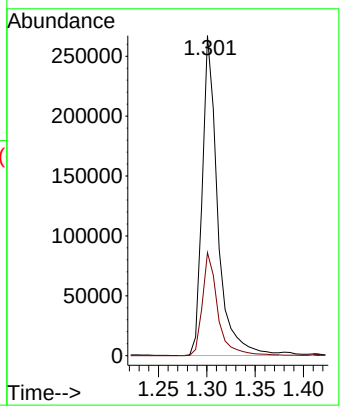





#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 50 Resp: 29725

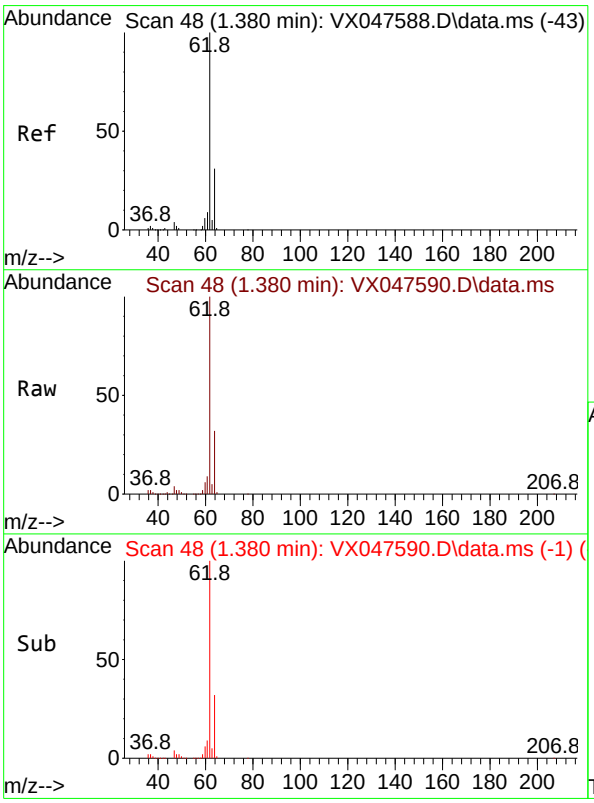
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

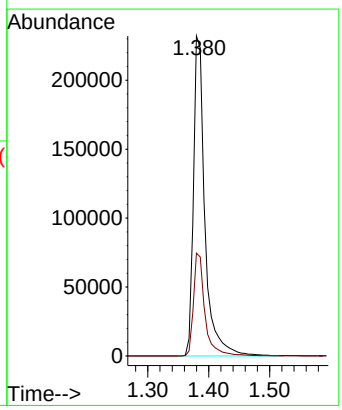
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

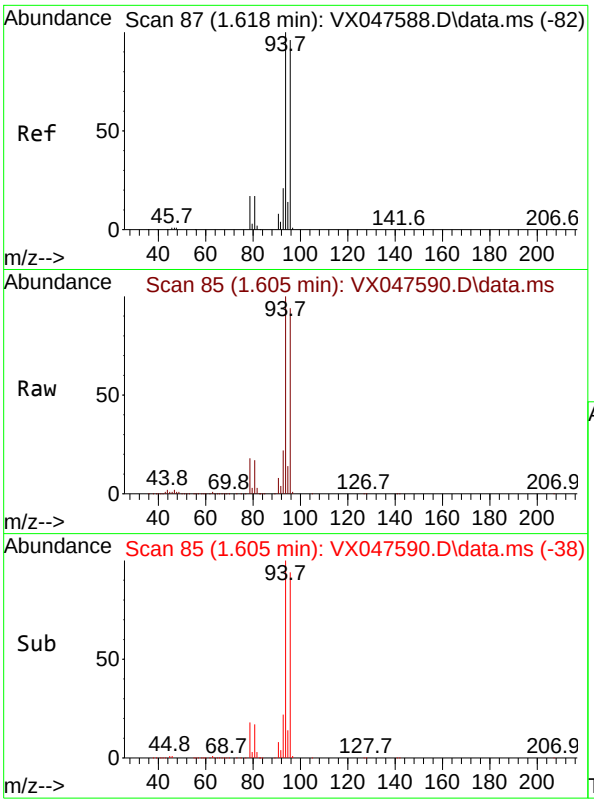



#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 24.9 | 37.3 |

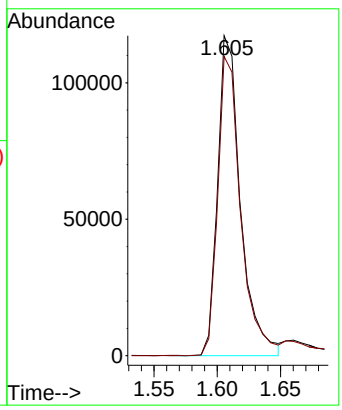





#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 94 Resp: 14754

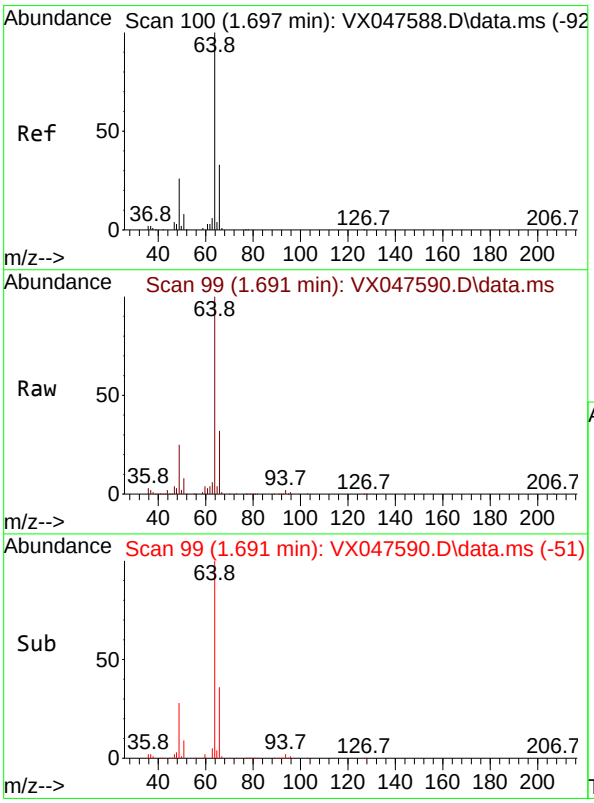
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.4 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

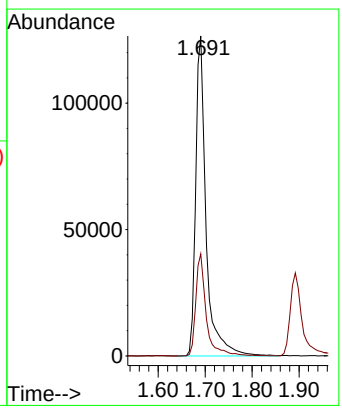
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

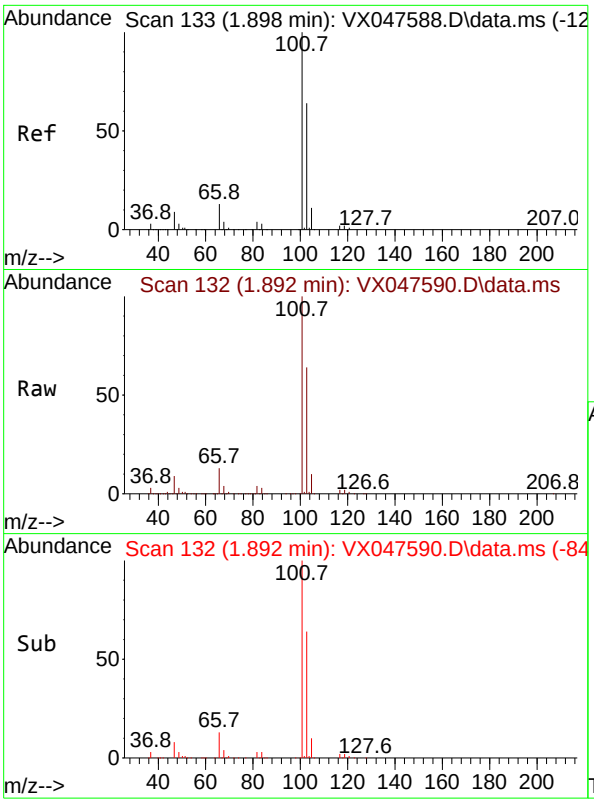



#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 26.1 | 39.1 |






#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

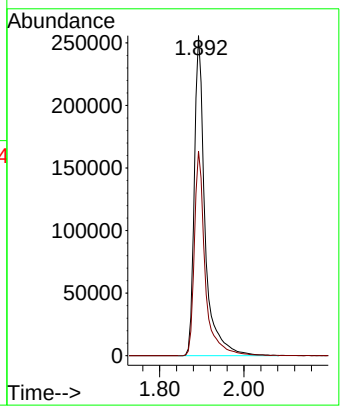
Tgt Ion:101 Resp: 45311

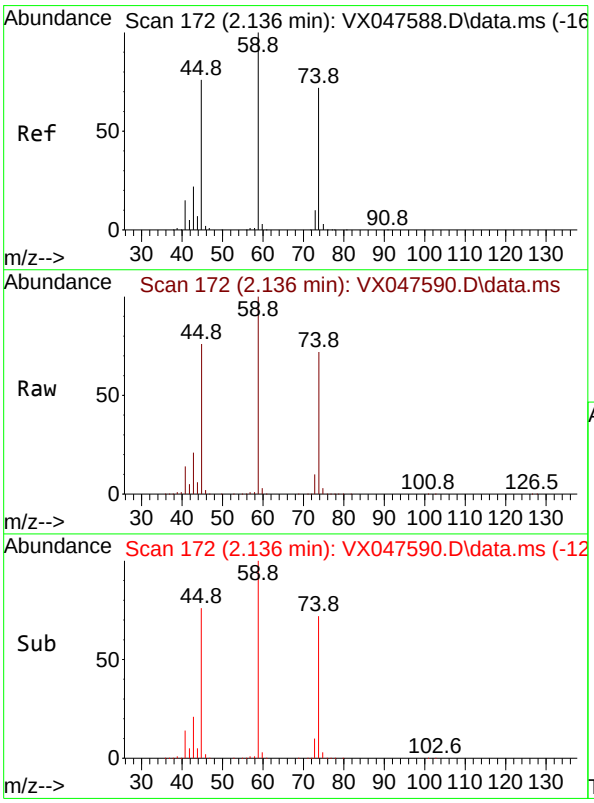
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 51.4 | 77.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

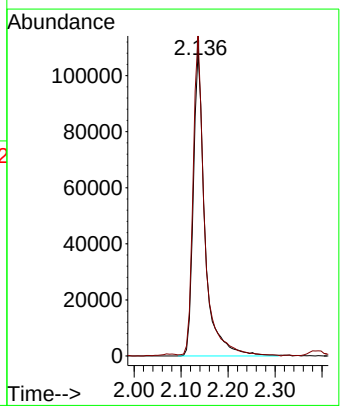


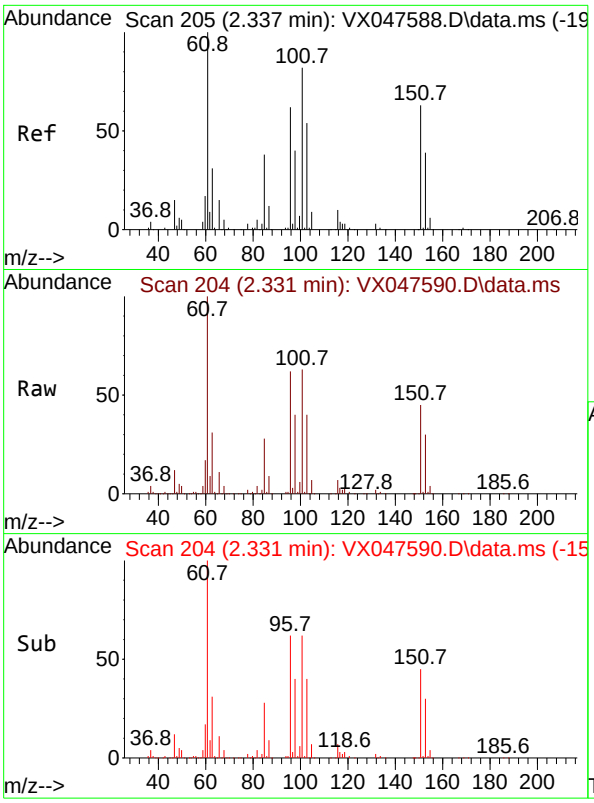




#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.5 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

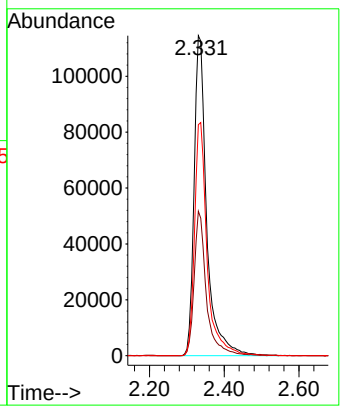
Tgt Ion:101 Resp: 26799

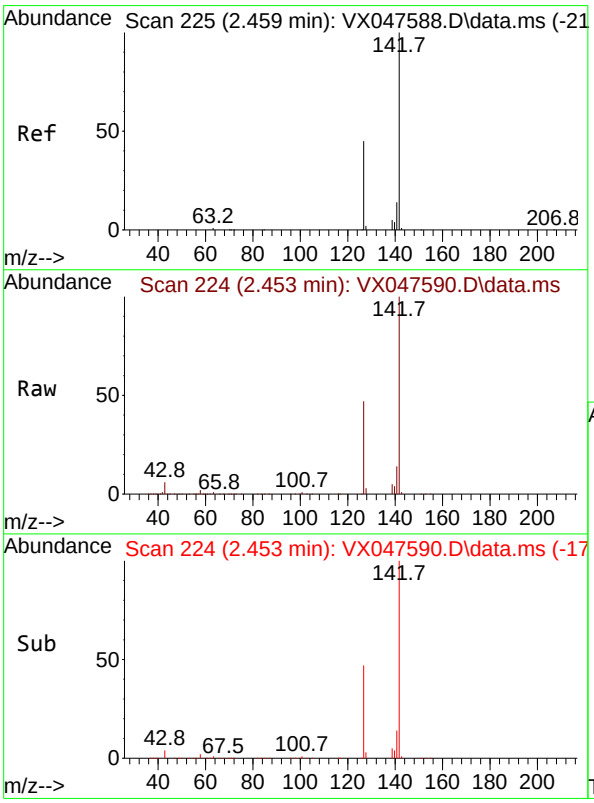
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.9 | 35.5 | 53.3 |
| 151 | 73.2 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

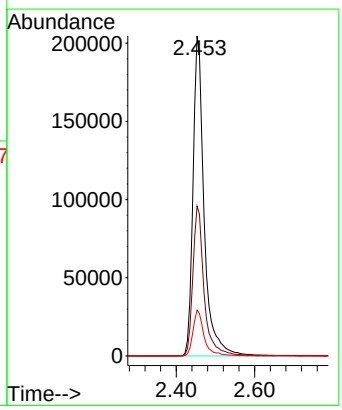


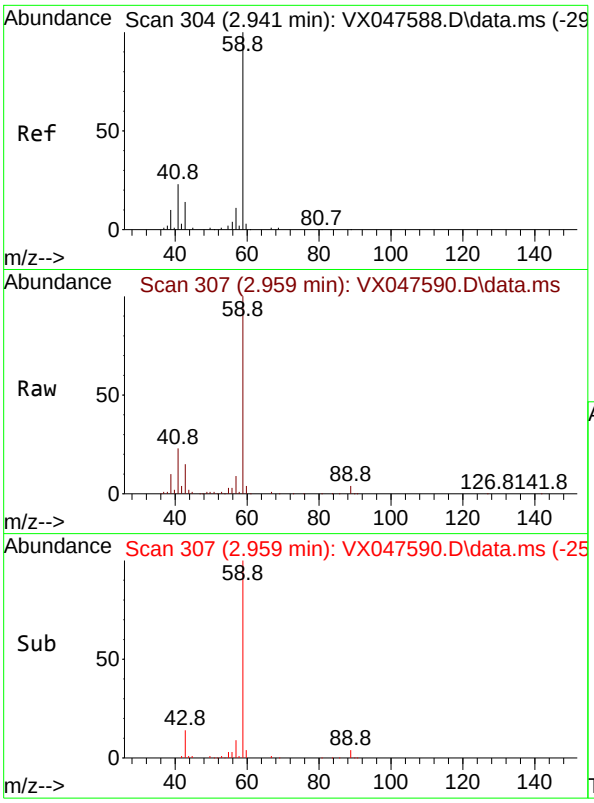




#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |

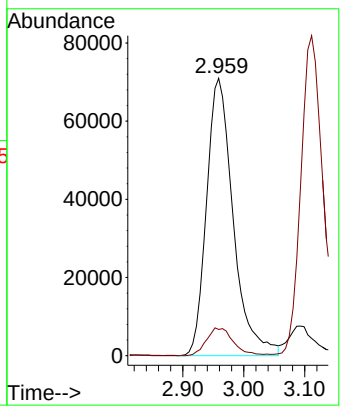





#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 59 Resp: 21592

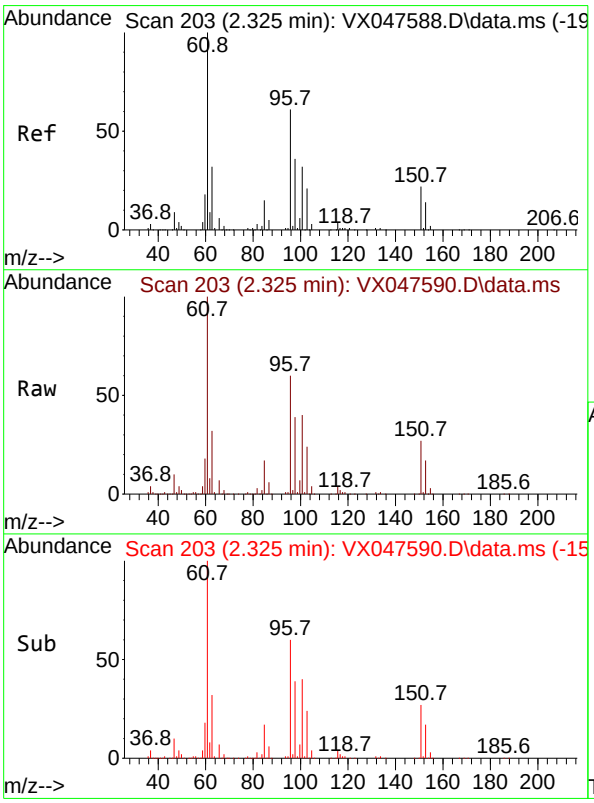
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

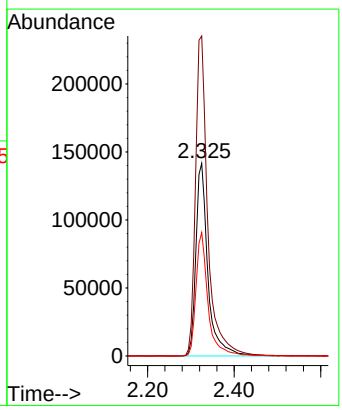
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

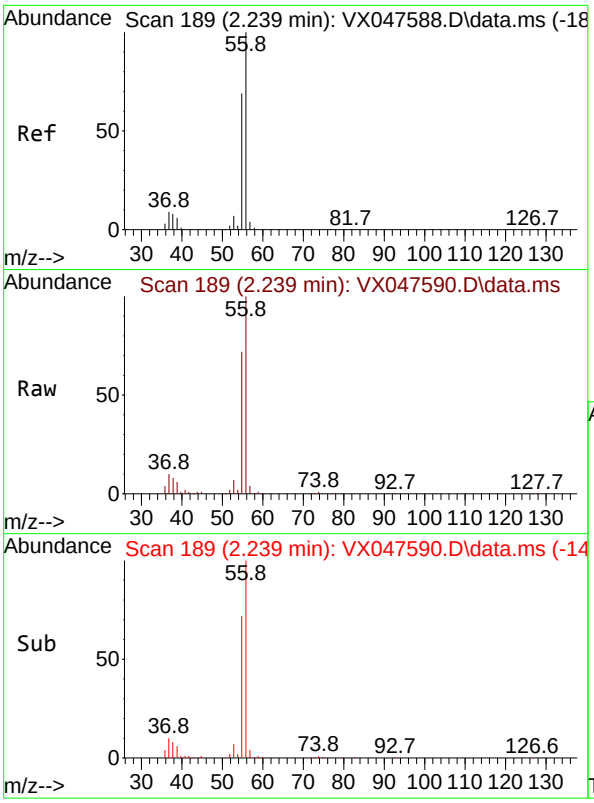



#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.1 | 131.0 | 196.6 |
| 98 | 64.0 | 47.7 | 71.5 |

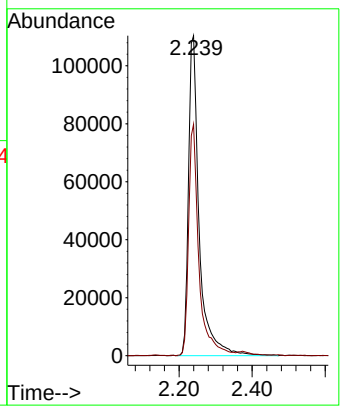





#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 22376

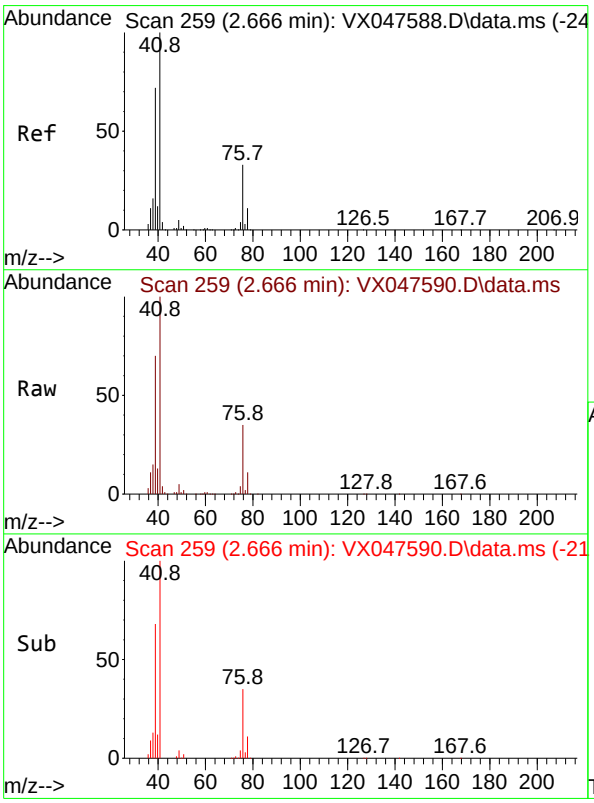
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.6 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

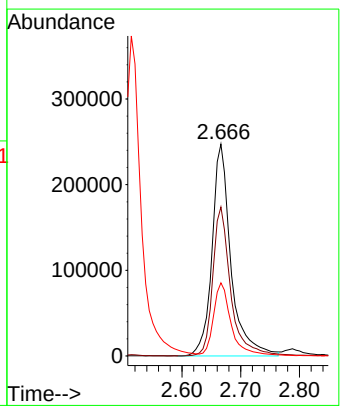
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

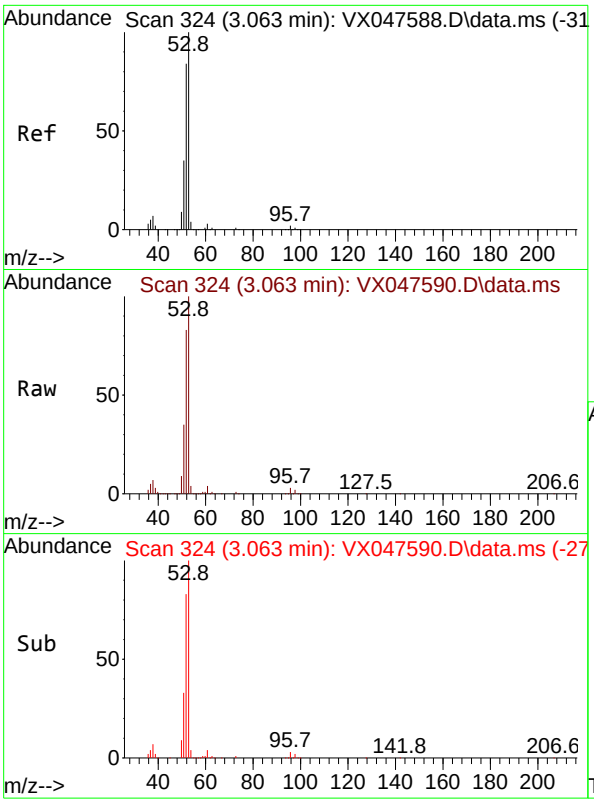



#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.3 | 54.7 | 82.1 |
| 76 | 32.4 | 25.7 | 38.5 |






#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

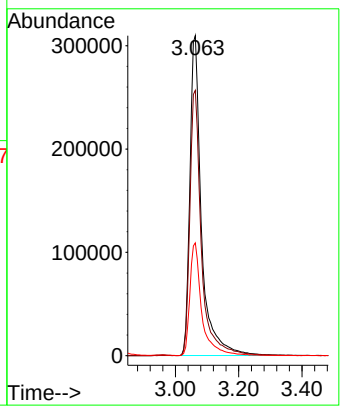
Tgt Ion: 53 Resp: 79079

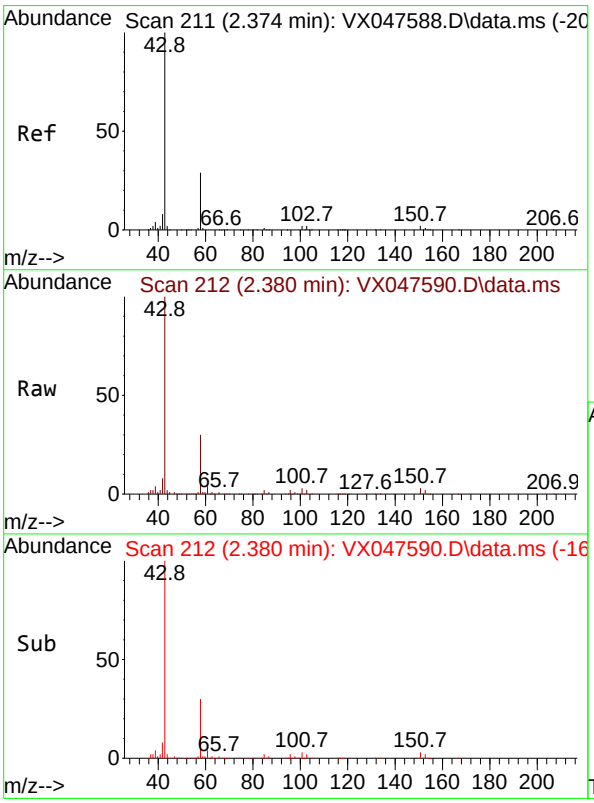
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.1 | 29.5 | 44.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

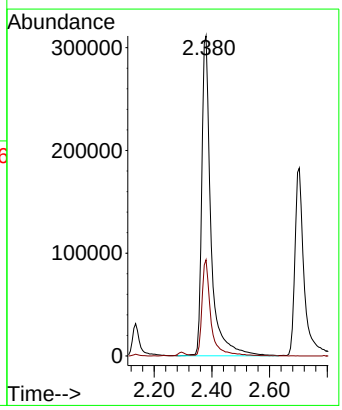


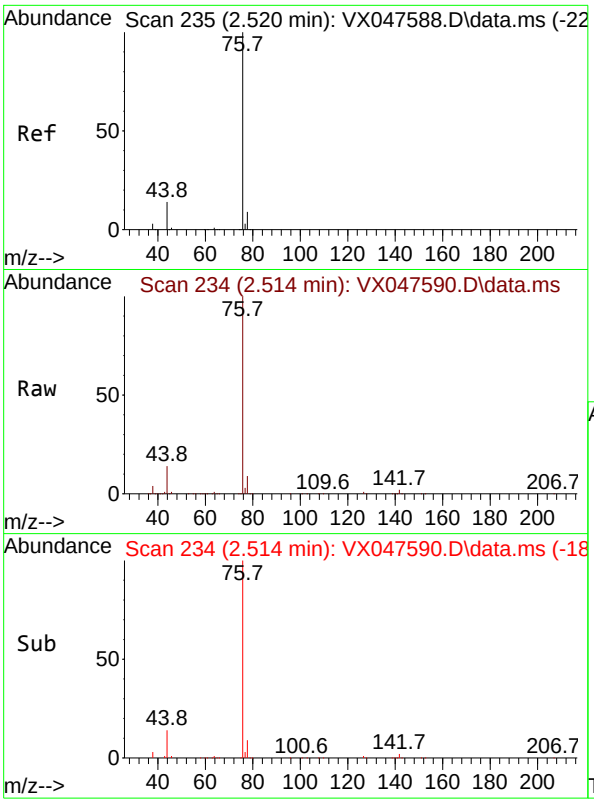




#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.0 |

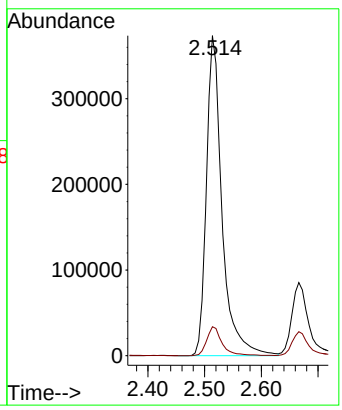





#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 71450

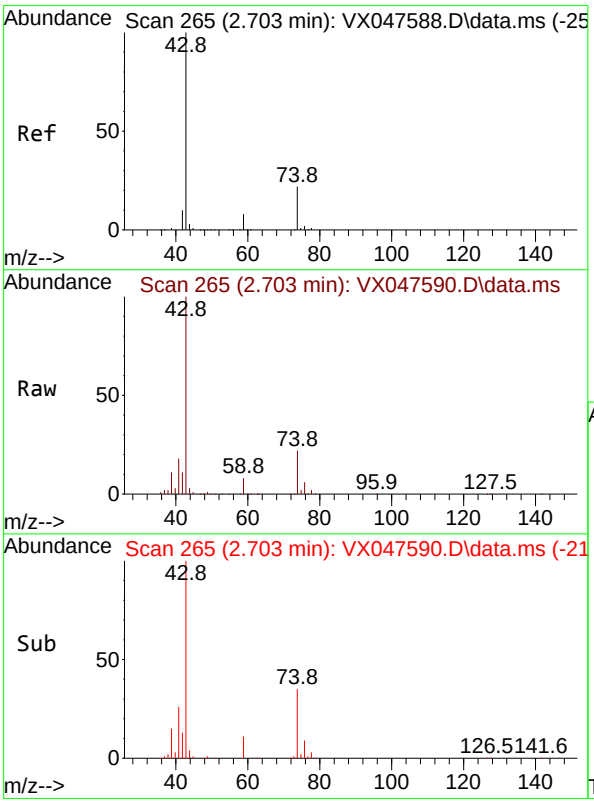
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

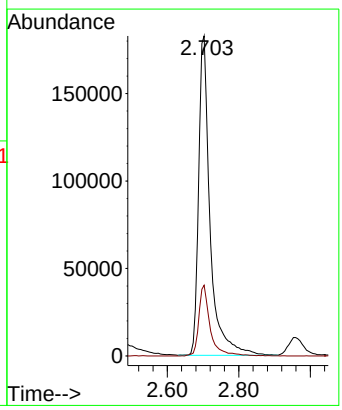
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

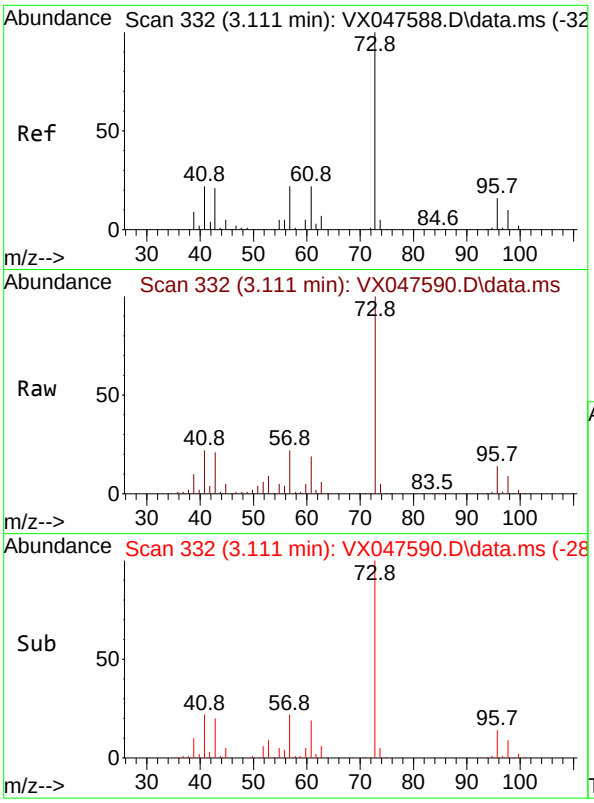



#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.4 | 26.2 |

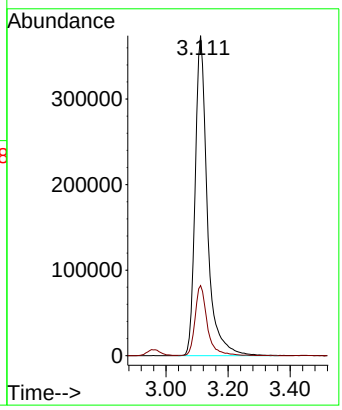





#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 73 Resp: 101529

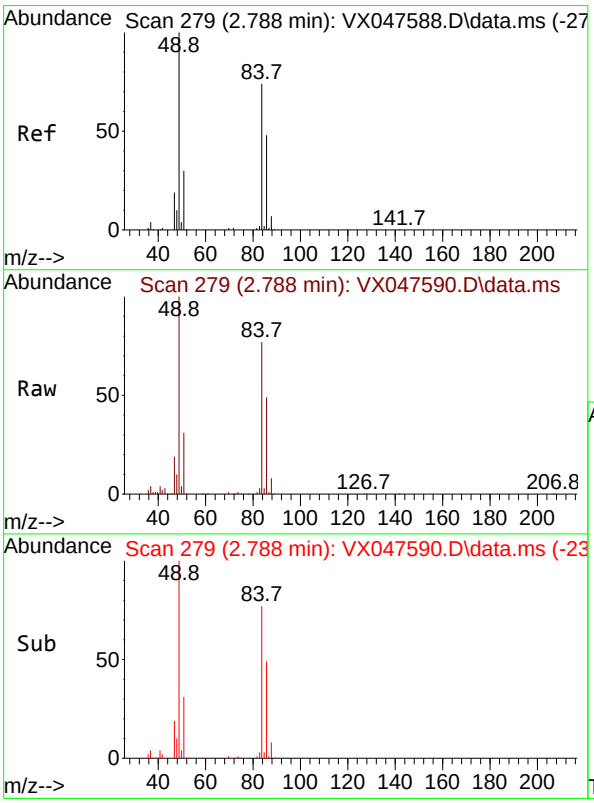
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

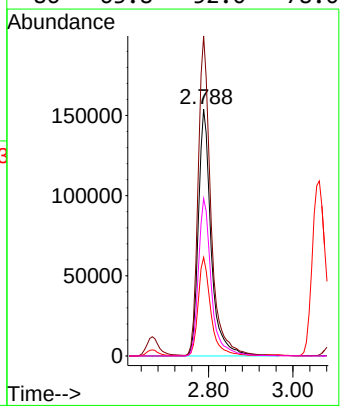
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

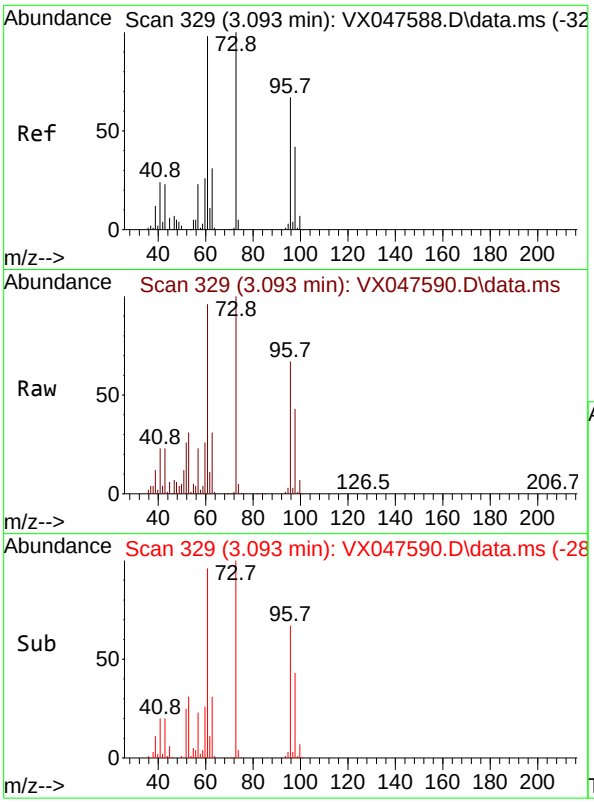



#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.4 | 108.6 | 162.8 |
| 51 | 39.9 | 32.6 | 48.8 |
| 86 | 63.8 | 52.0 | 78.0 |

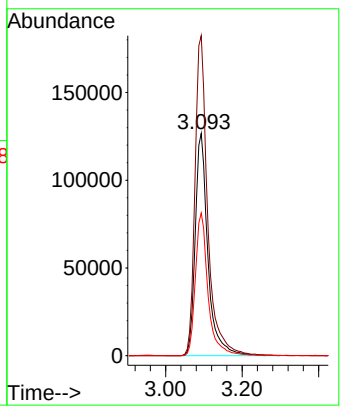





#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 29161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 116.2 | 174.2 |
| 98 | 64.3 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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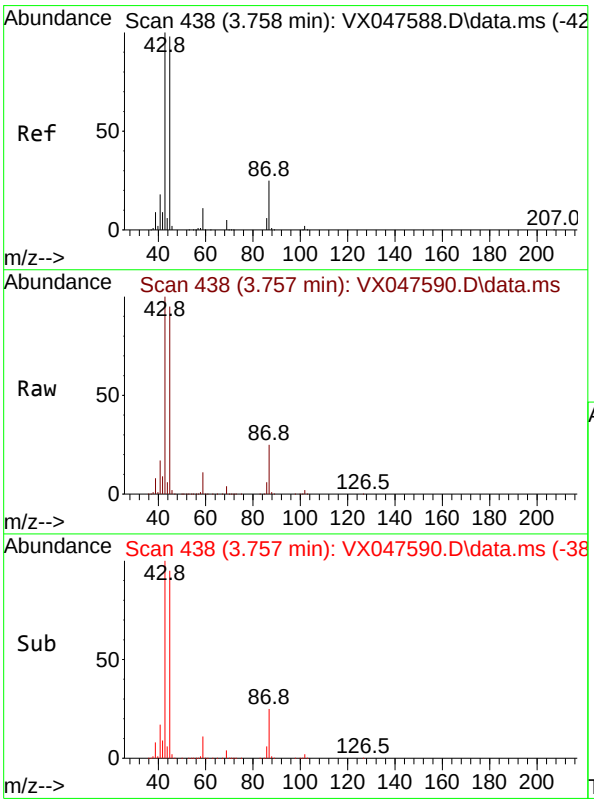
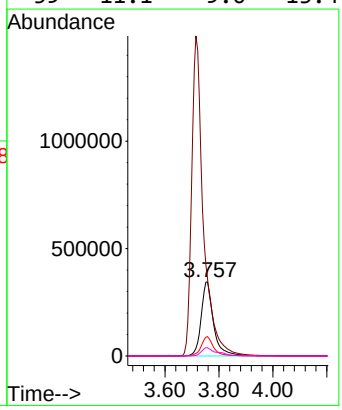
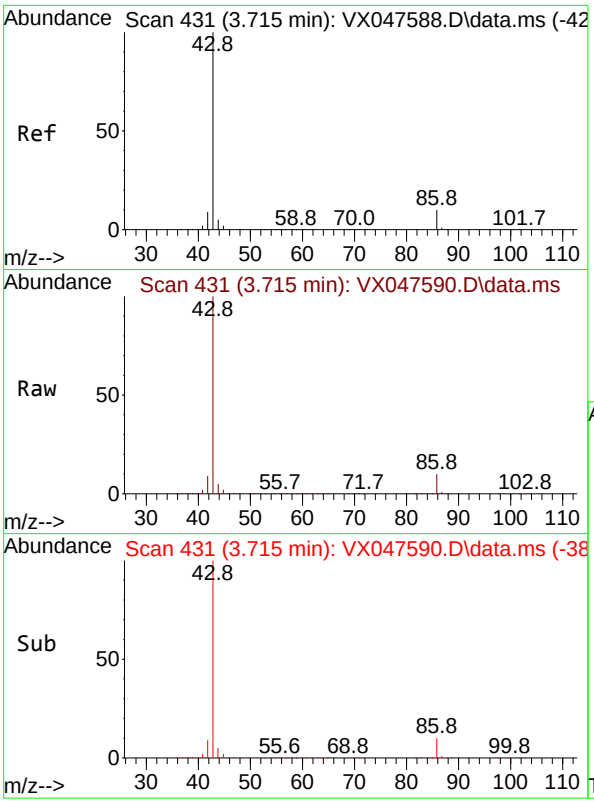



#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.7 | 81.0 | 121.4 |
| 87 | 26.2 | 20.3 | 30.5 |
| 59 | 11.1 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 450484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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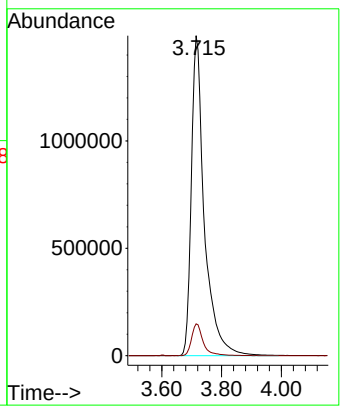
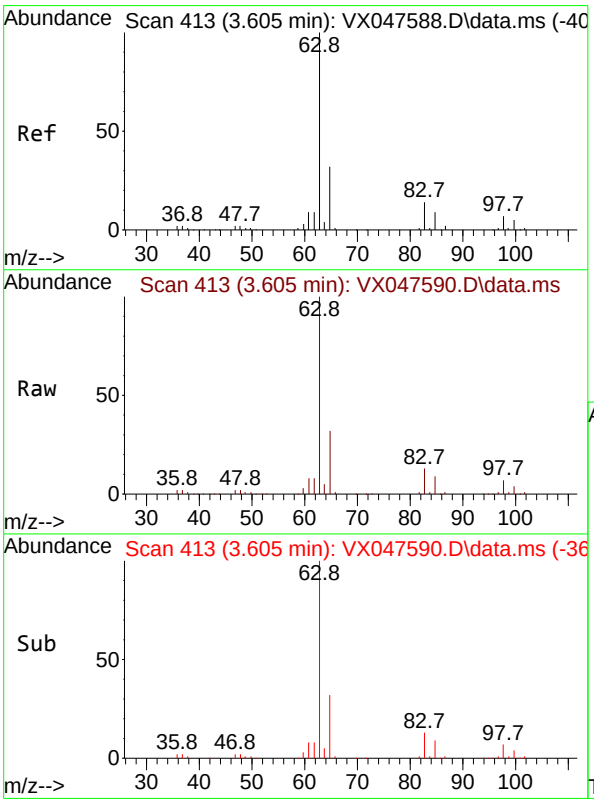
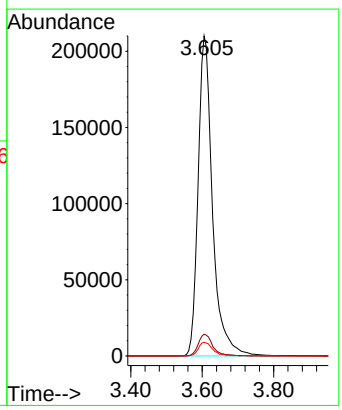


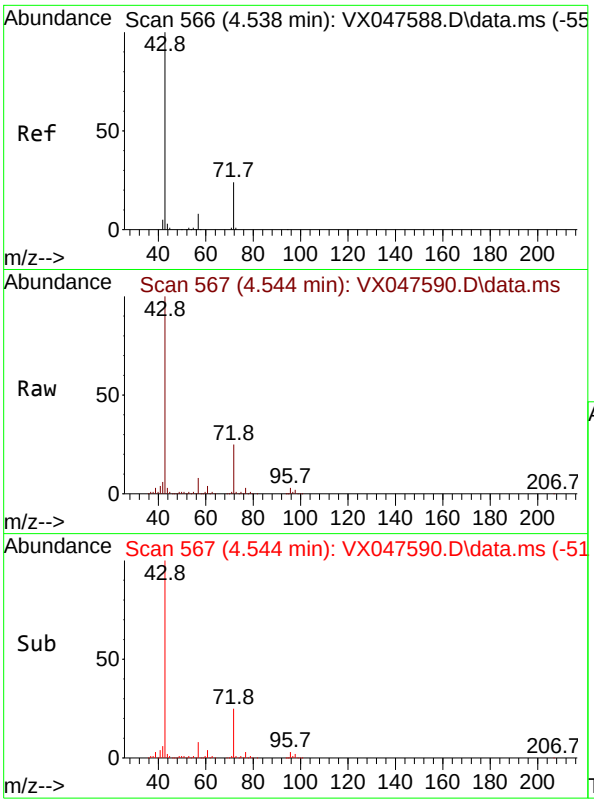




#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |

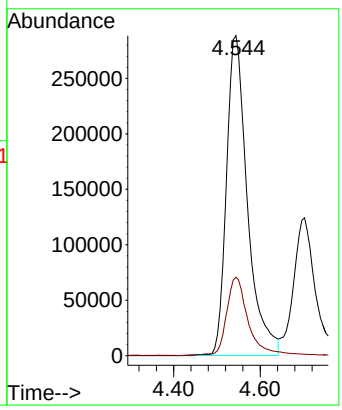





#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 97393

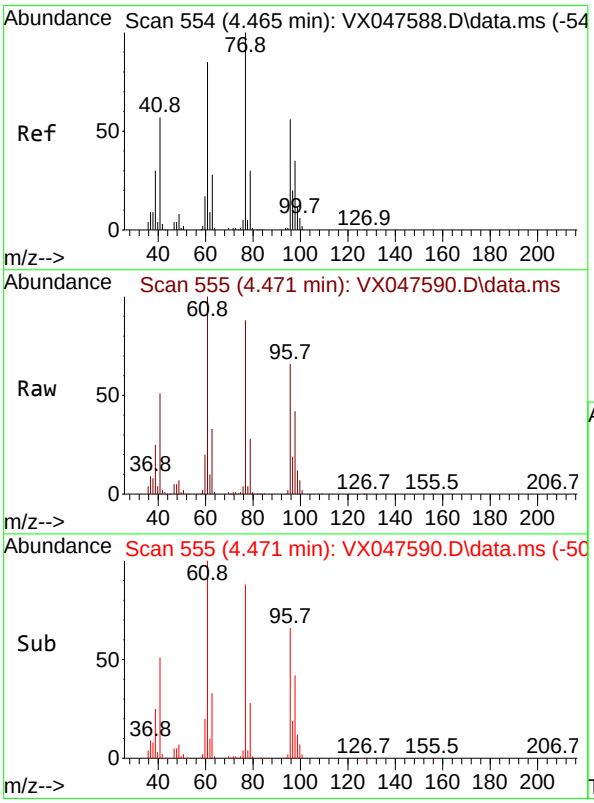
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

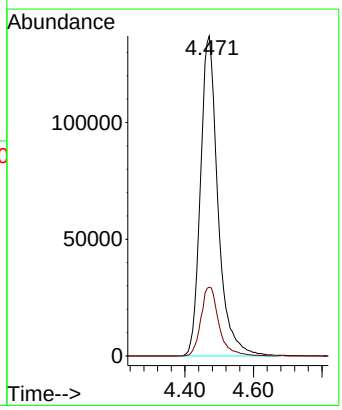
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

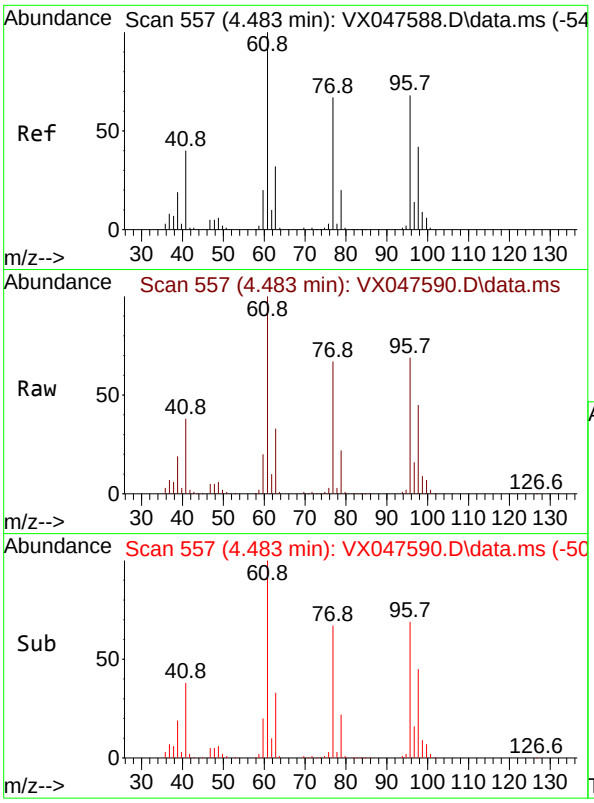



#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.9 | 32.7 |






#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 36626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 303.2 |
| 98 | 64.6 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

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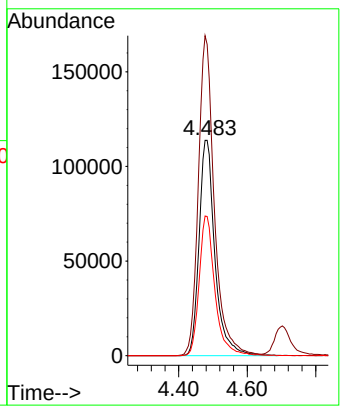
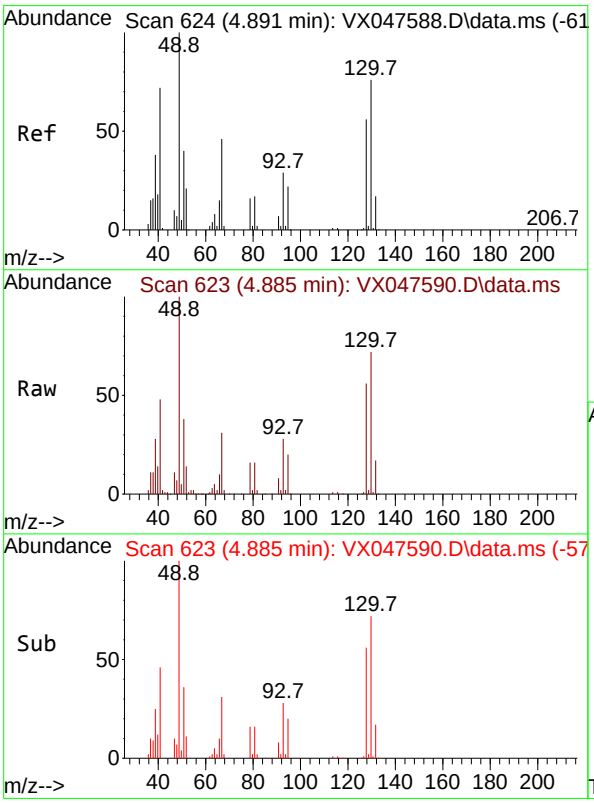
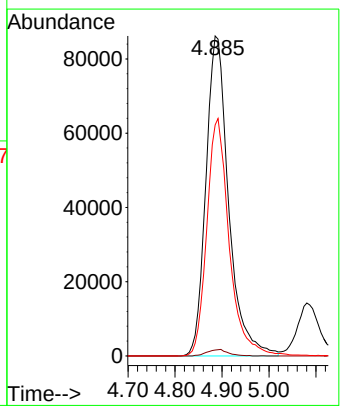


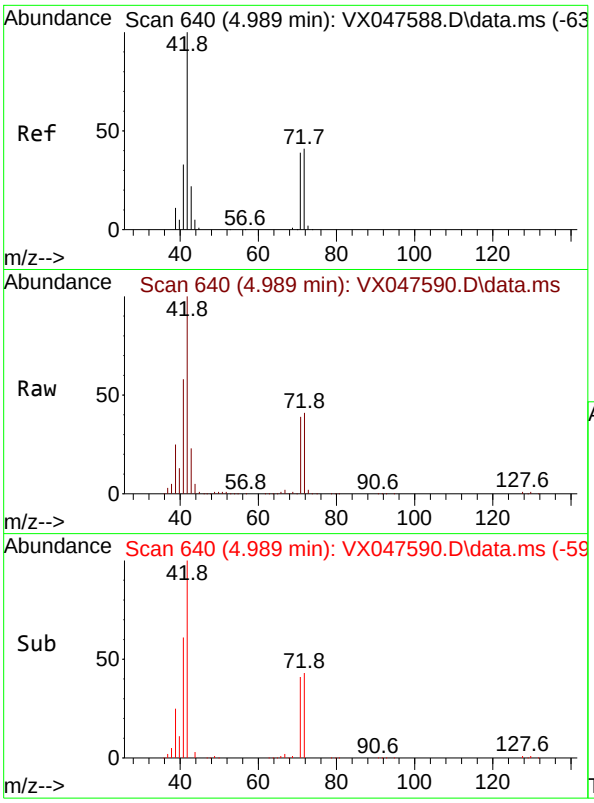




#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 73.2 | 57.8 | 86.8 |

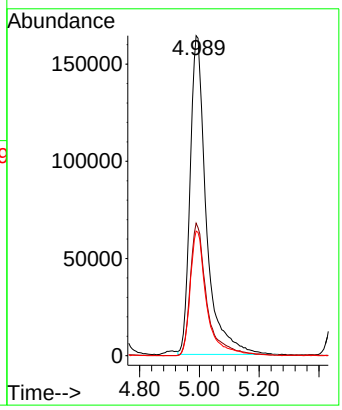





#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 42 Resp: 616374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.8 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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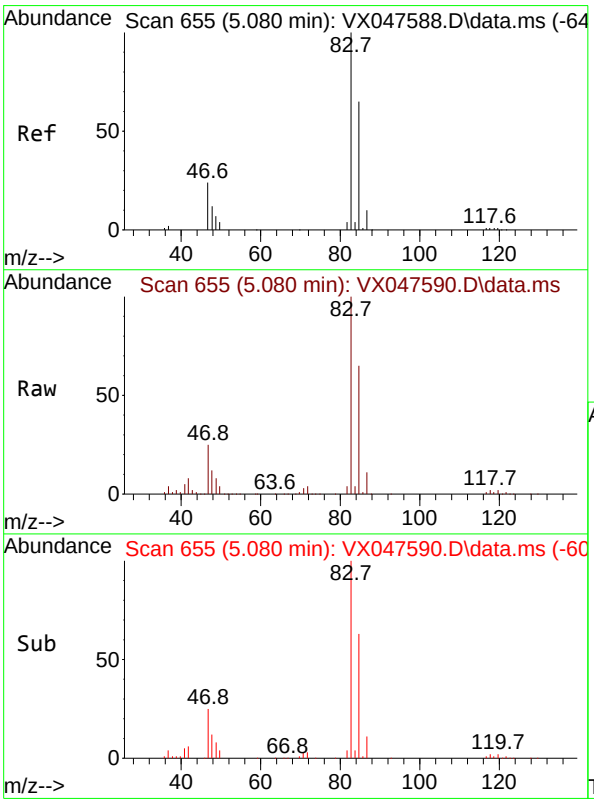
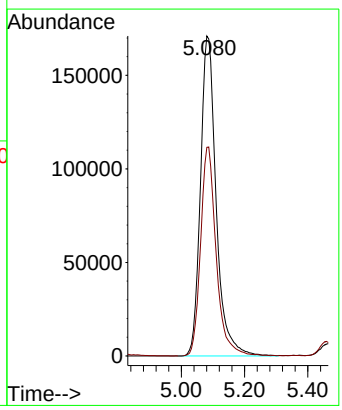
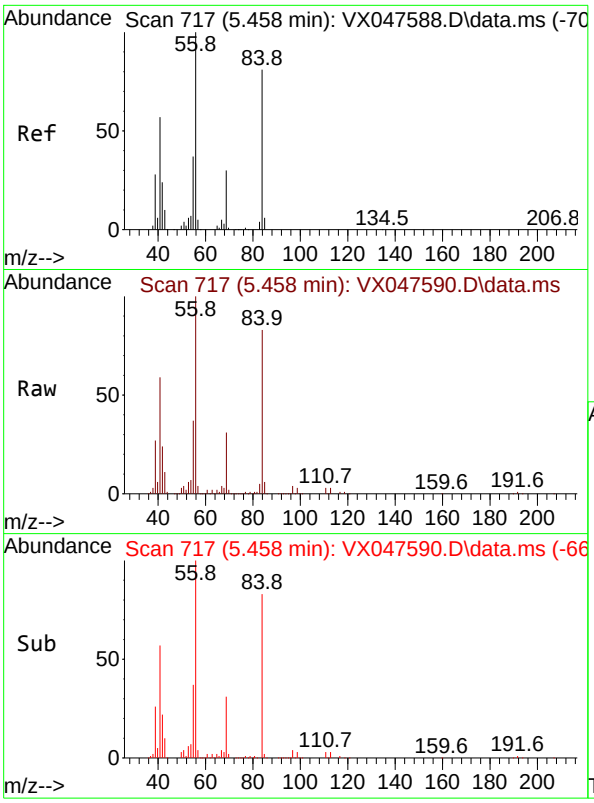



#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 51.8 | 77.6 |

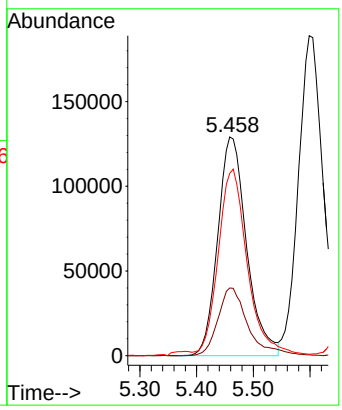





#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 56 Resp: 45611

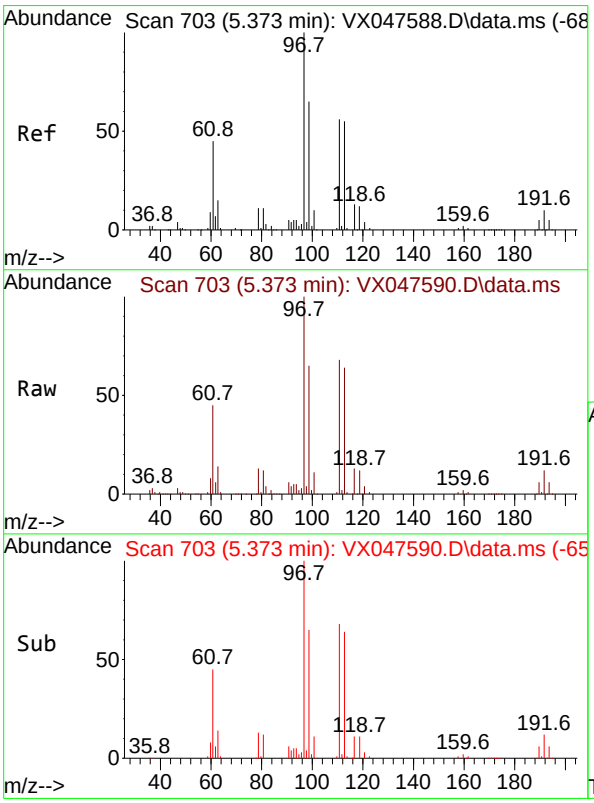
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 23.8 | 35.8 |
| 84 | 81.5 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

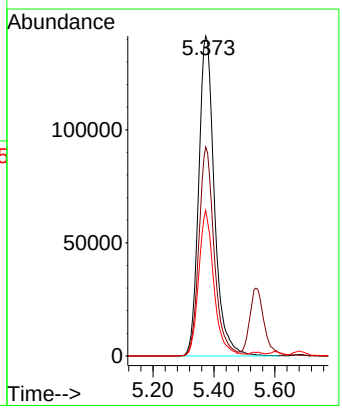
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

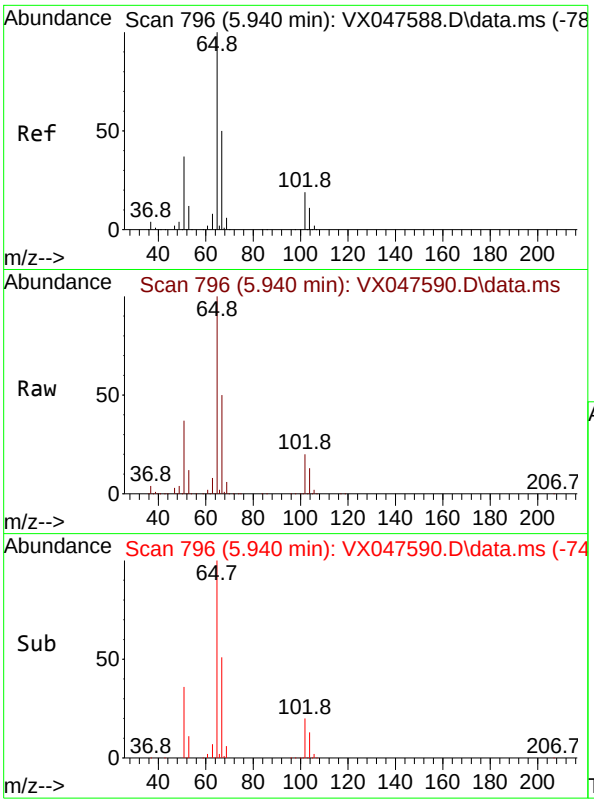



#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 44.2 | 35.8 | 53.8 |

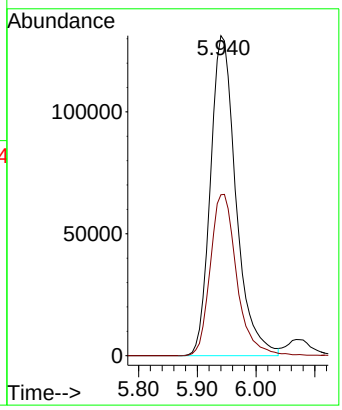





#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 65 Resp: 39662

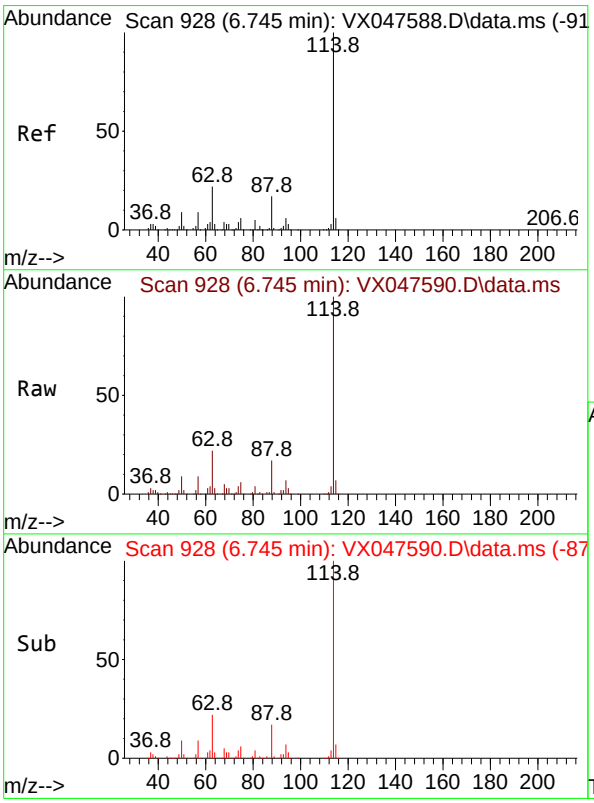
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

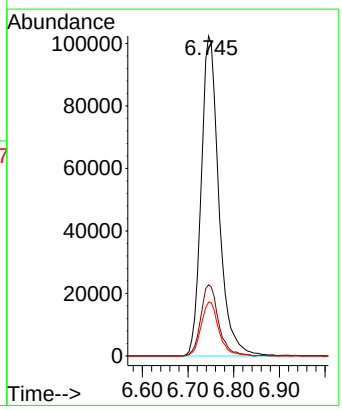
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

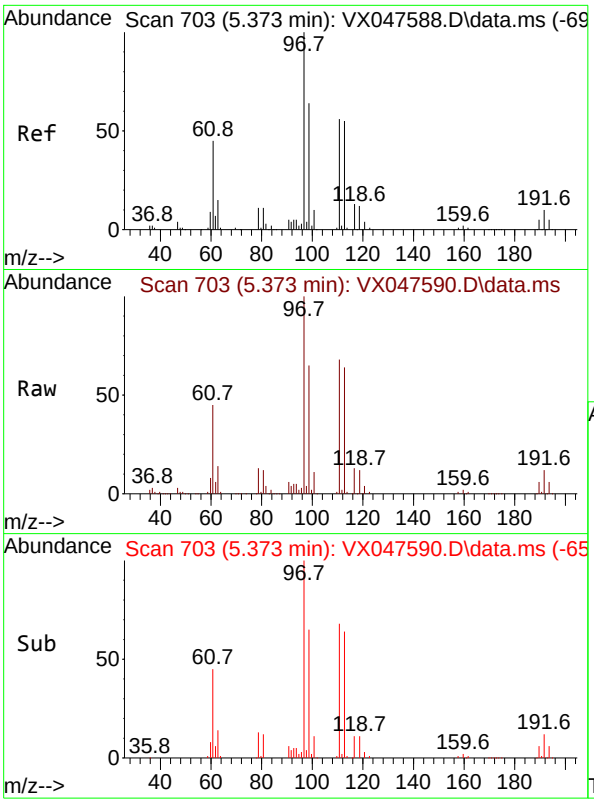



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |

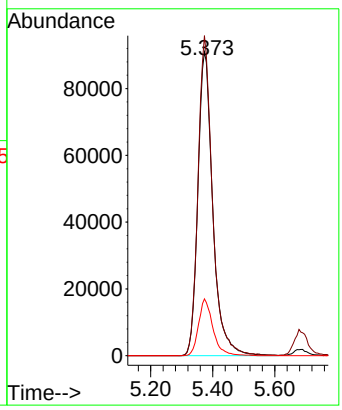





#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:113 Resp: 30372

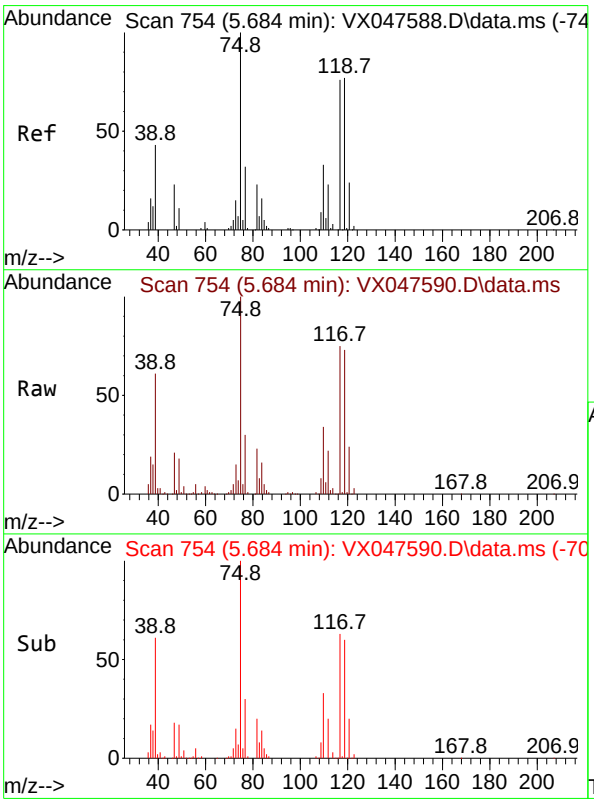
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.9 | 121.3 |
| 192 | 18.1 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

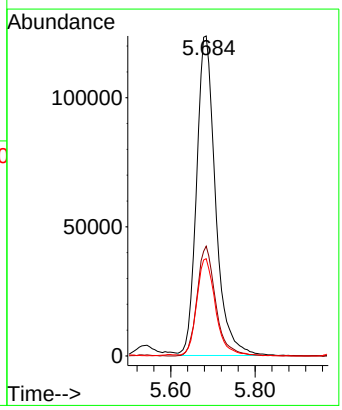
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

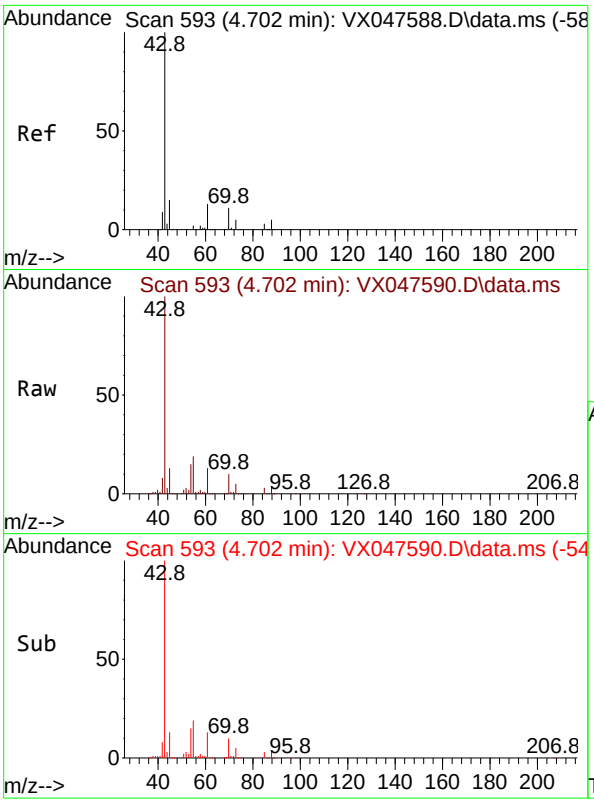



#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 30.6 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 44446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.8 | 14.8 |
| 70 | 9.5 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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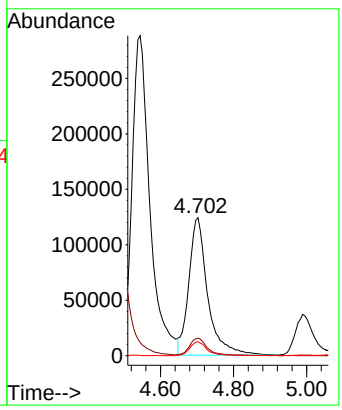
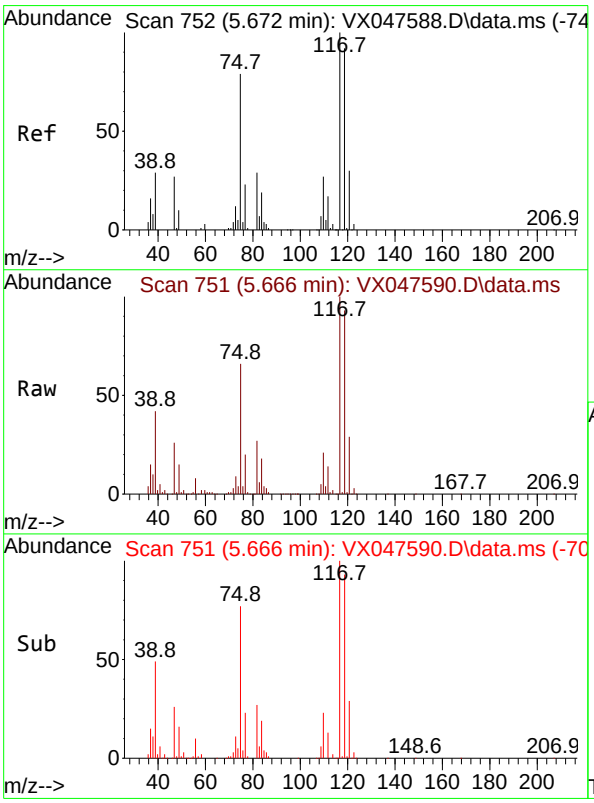
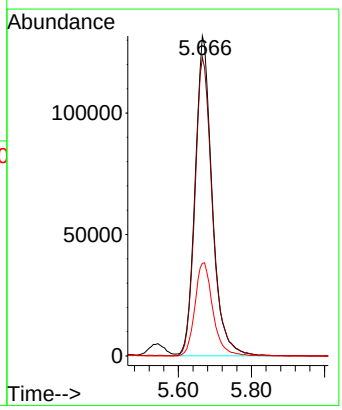


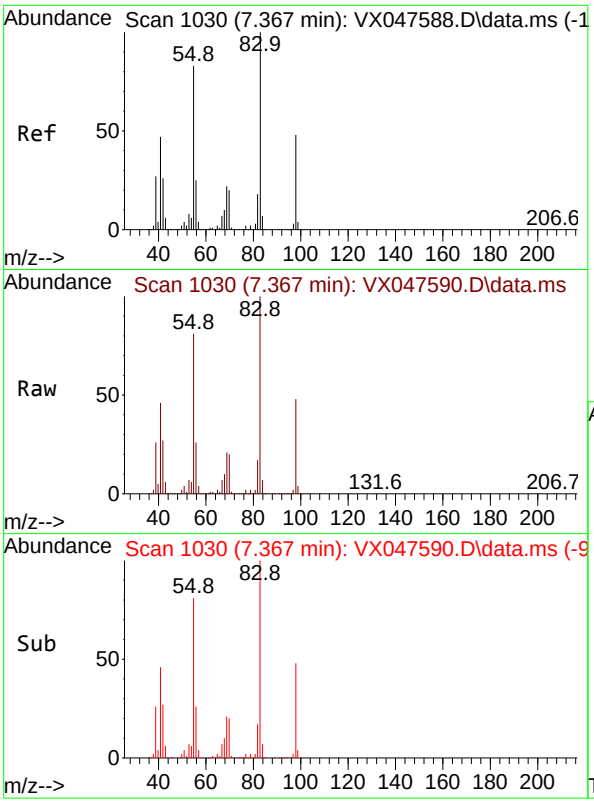




#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.3 | 73.4 | 110.2 |
| 121 | 29.0 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

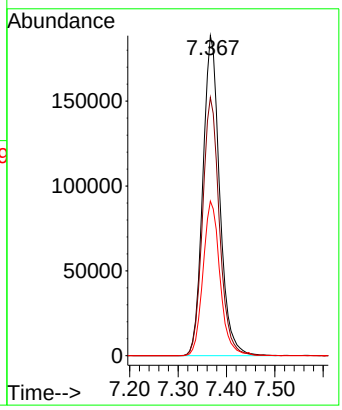
Tgt Ion: 83 Resp: 45669

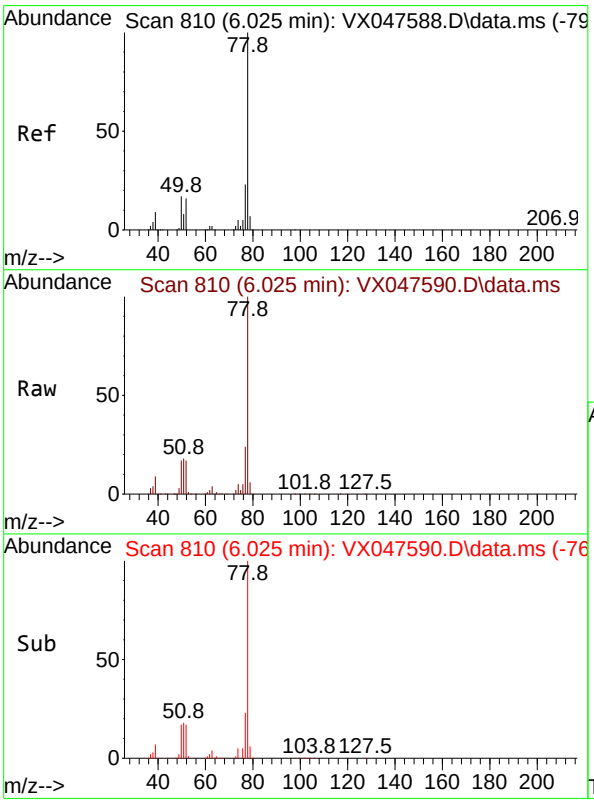
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.7 | 66.4 | 99.6 |
| 98 | 48.3 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

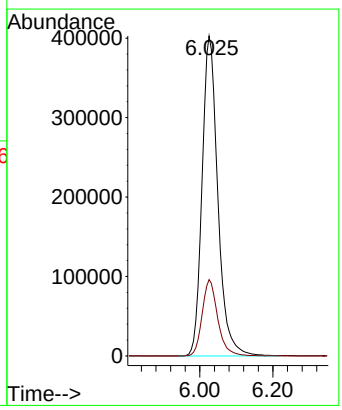


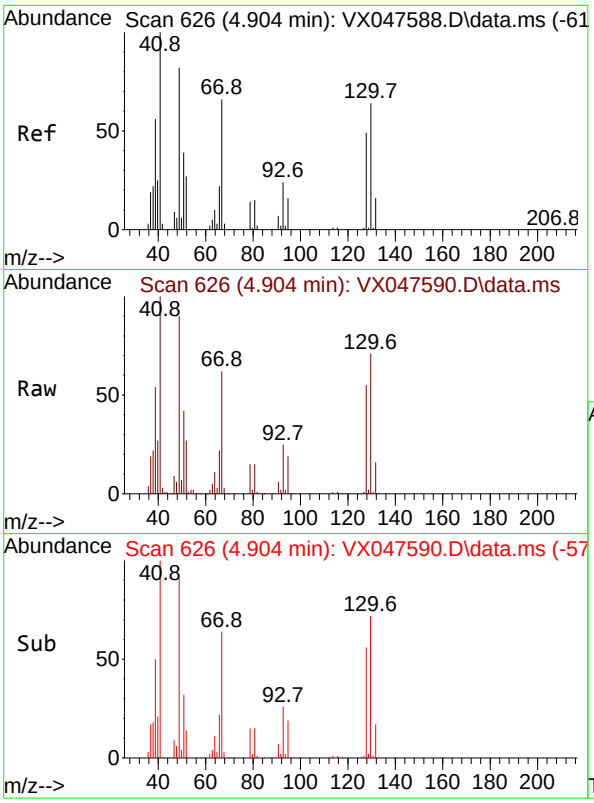




#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 18.8 | 28.2 |

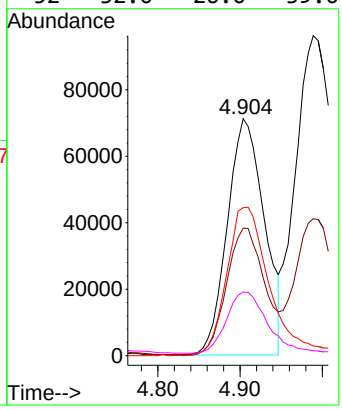





#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 22321

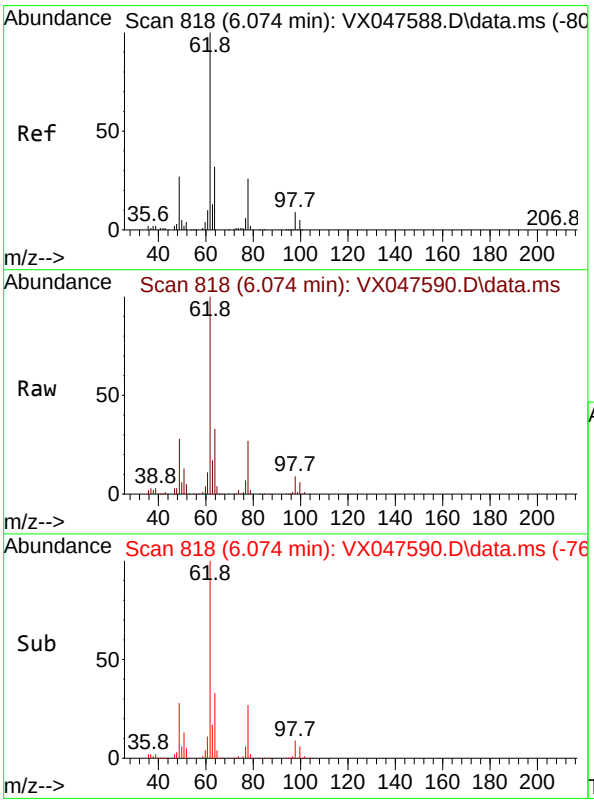
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.5 | 43.3 | 64.9 |
| 67 | 74.6 | 58.6 | 87.8 |
| 52 | 32.0 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

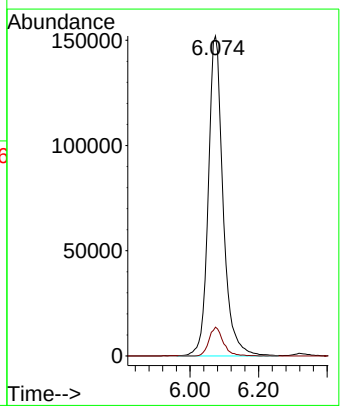
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

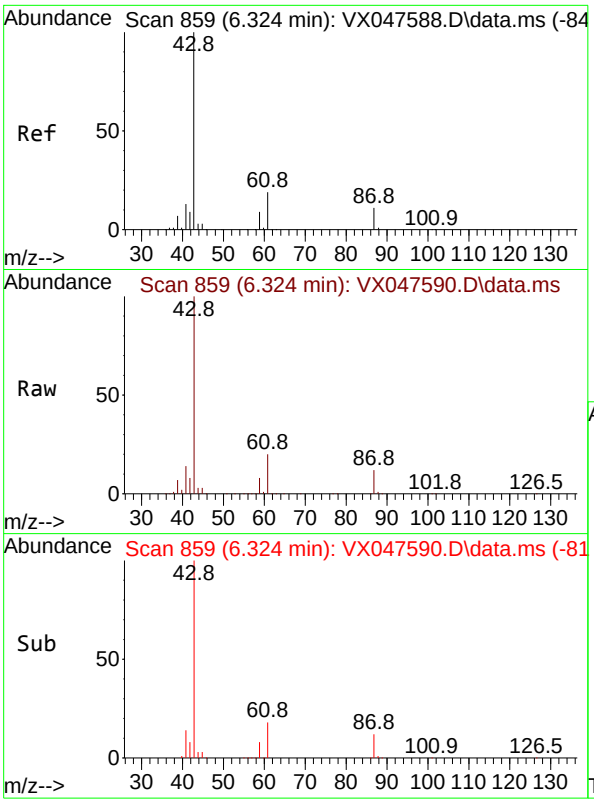



#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |

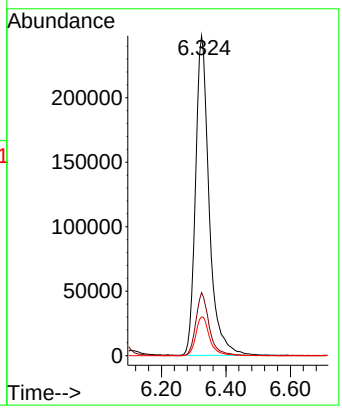





#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 72488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.3 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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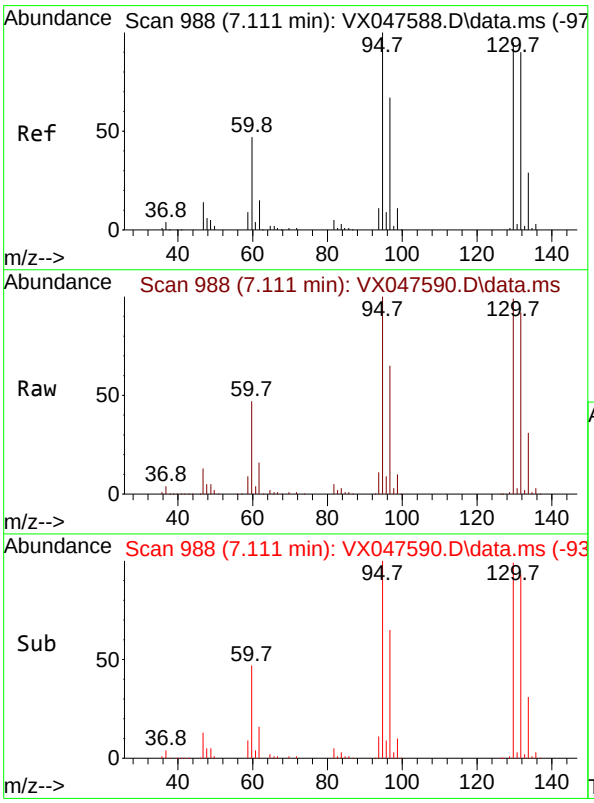
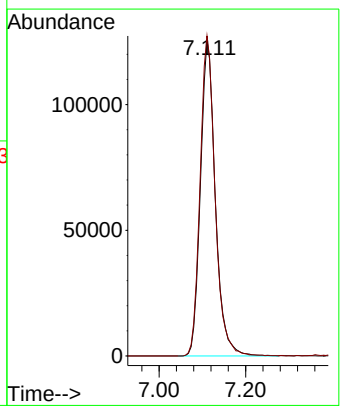
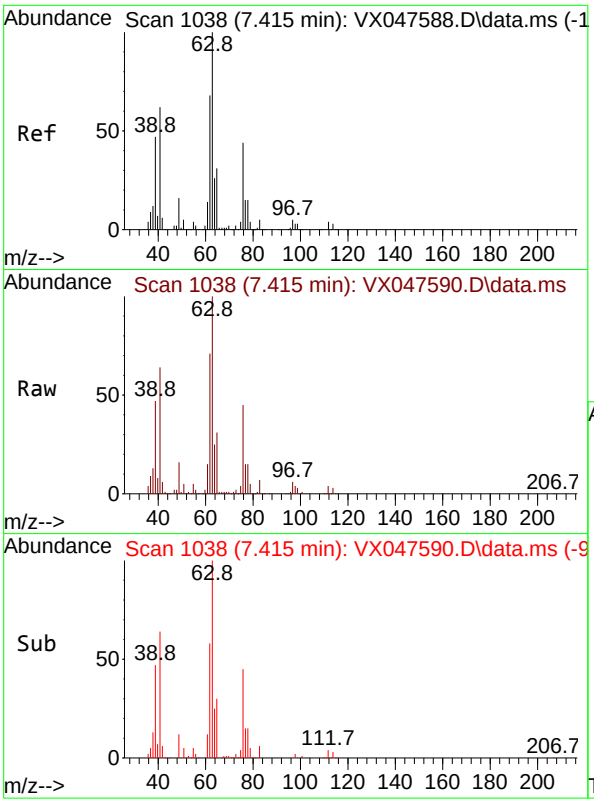



#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.1 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 31672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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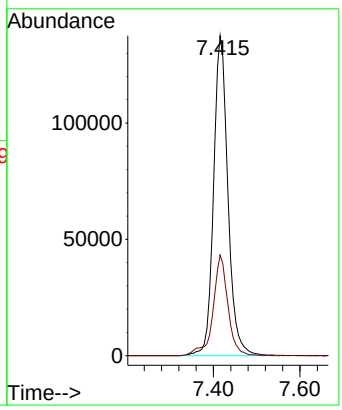
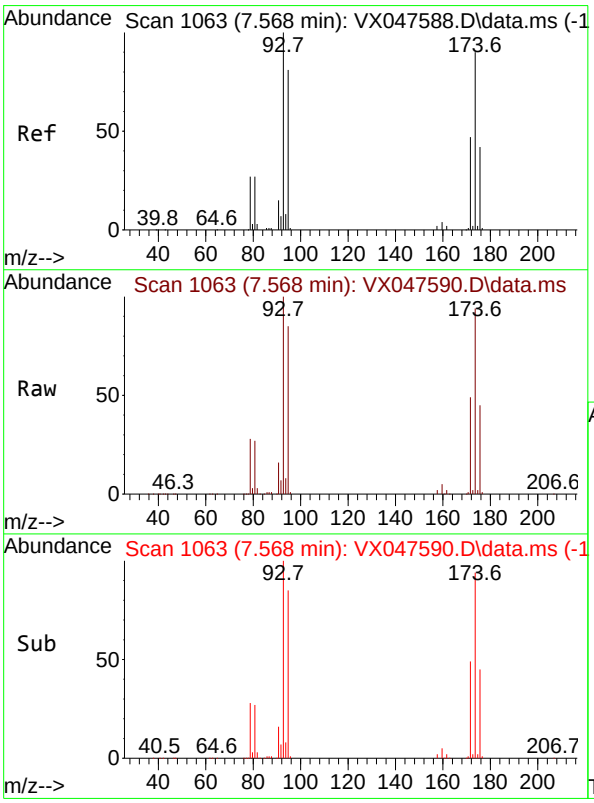
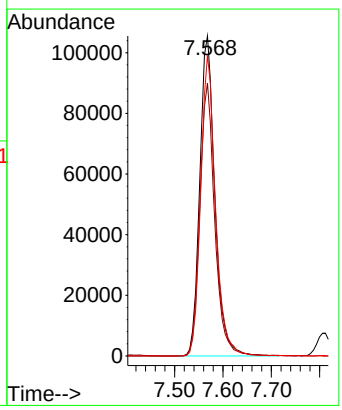


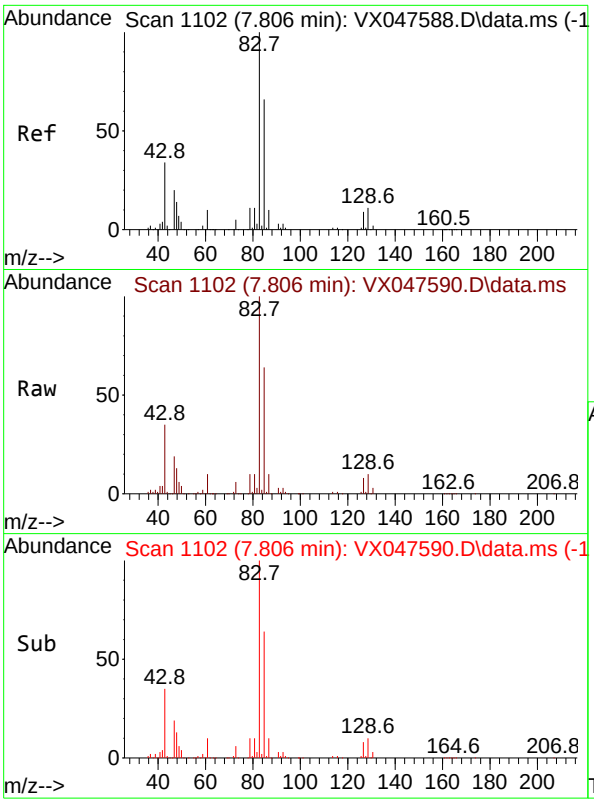




#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.2 | 65.0 | 97.6 |
| 174 | 92.5 | 71.6 | 107.4 |

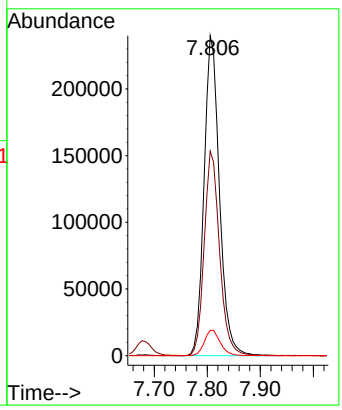





#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 48343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 52.5 | 78.7 |
| 127 | 7.9 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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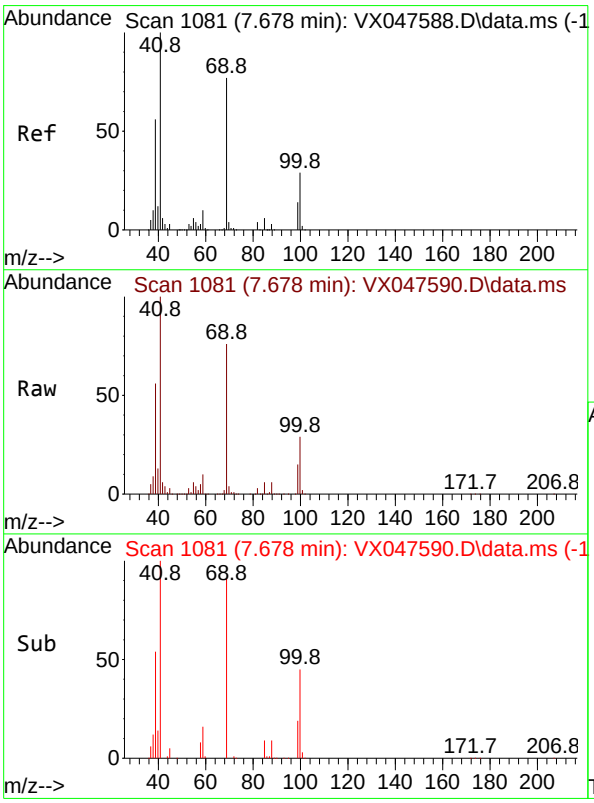
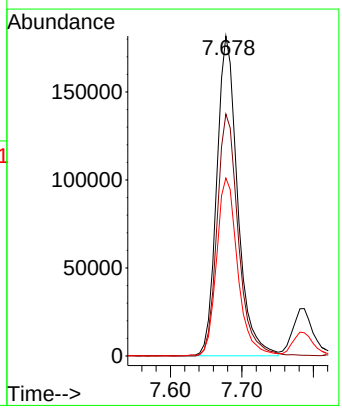
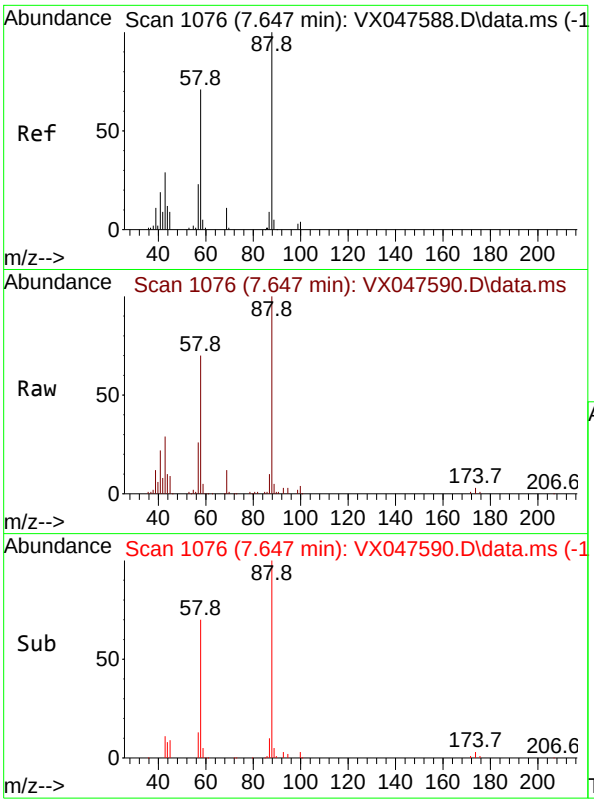



#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.2 | 61.4 | 92.2 |
| 39 | 56.5 | 45.8 | 68.6 |

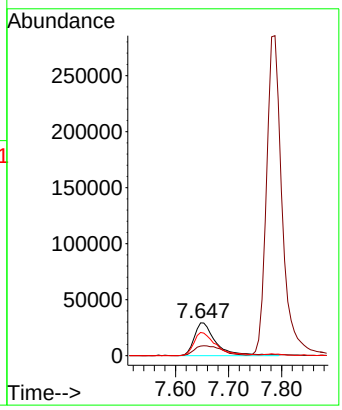





#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 88 Resp: 8273

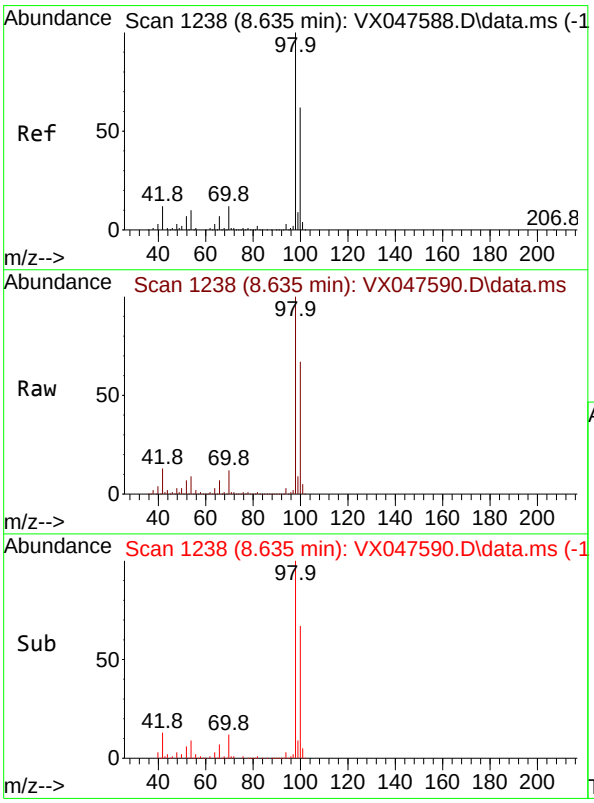
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.5 | 30.2 | 45.2 |
| 58 | 73.0 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

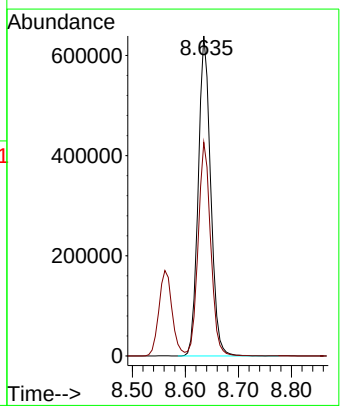
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

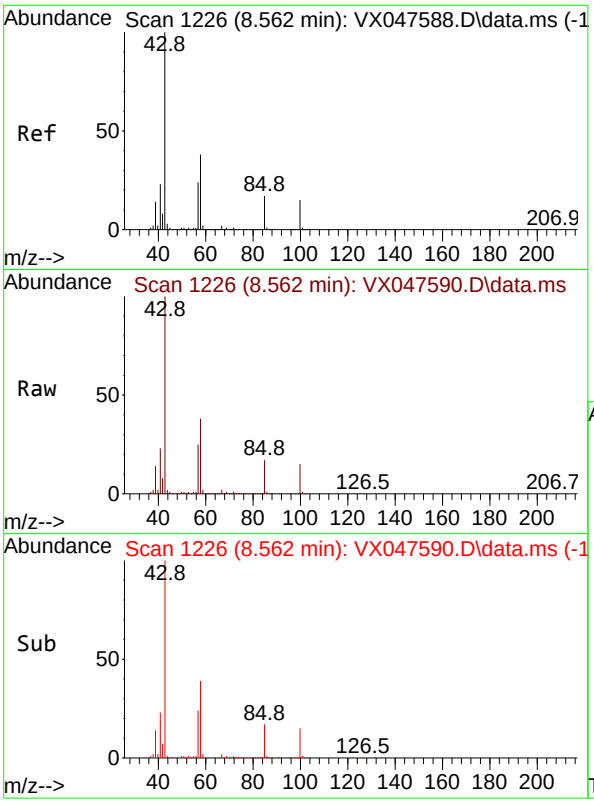



#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |

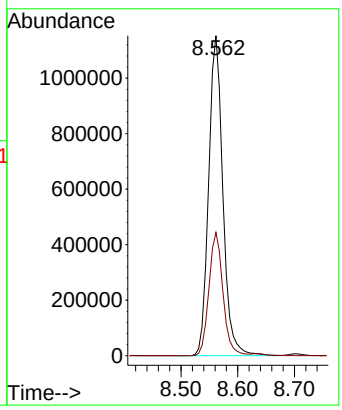





#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 200806

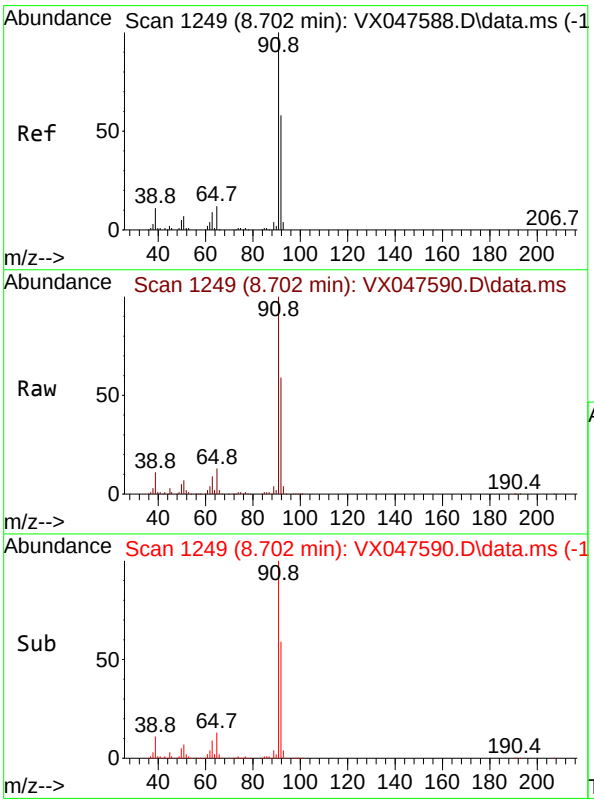
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

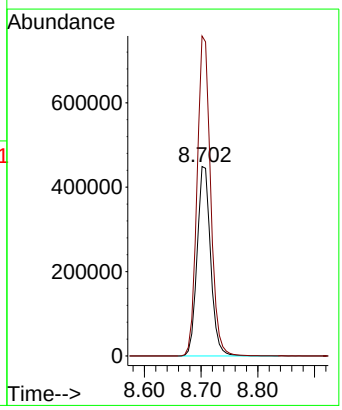
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

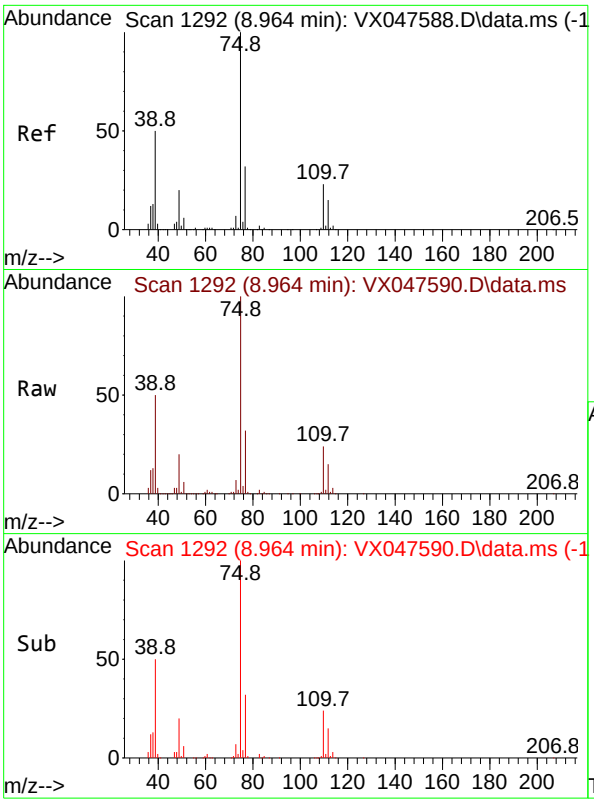



#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.5 | 137.1 | 205.7 |

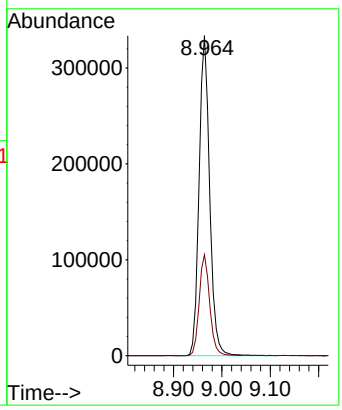





#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 50391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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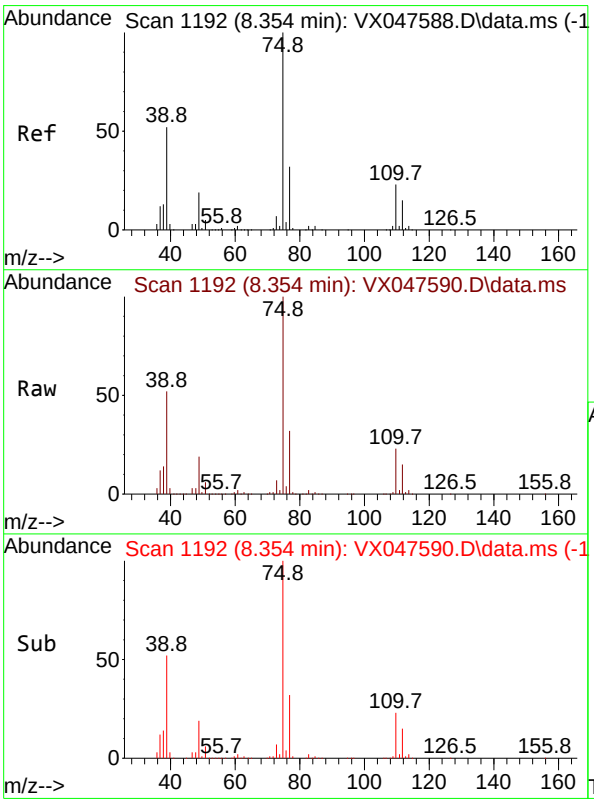
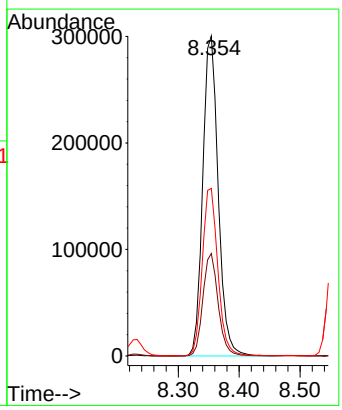
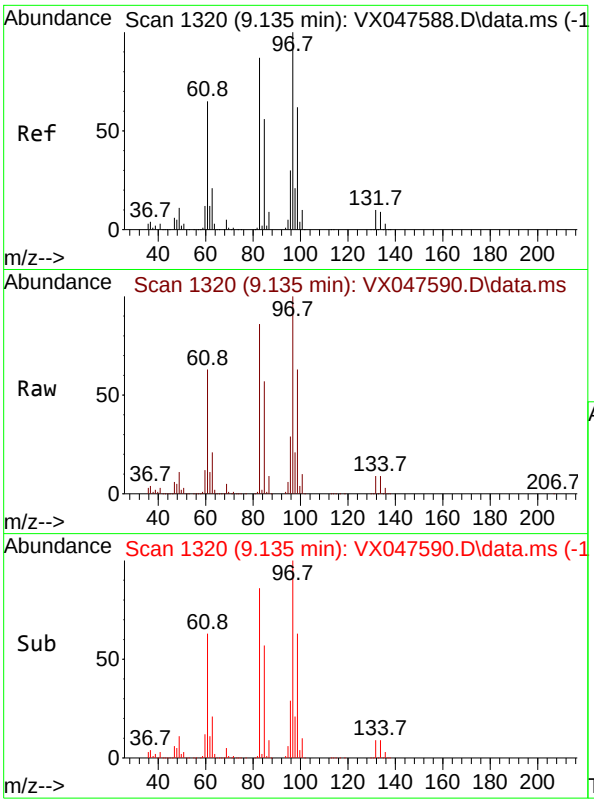



#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.8 | 38.6 |
| 39 | 52.3 | 41.4 | 62.2 |

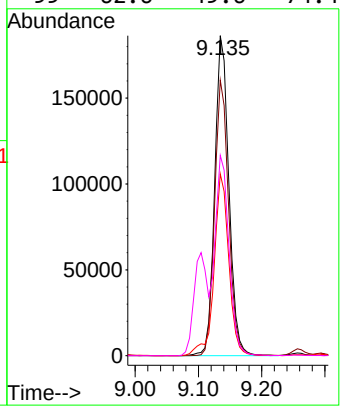





#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 28910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 56.8 | 45.0 | 67.6 |
| 99 | 62.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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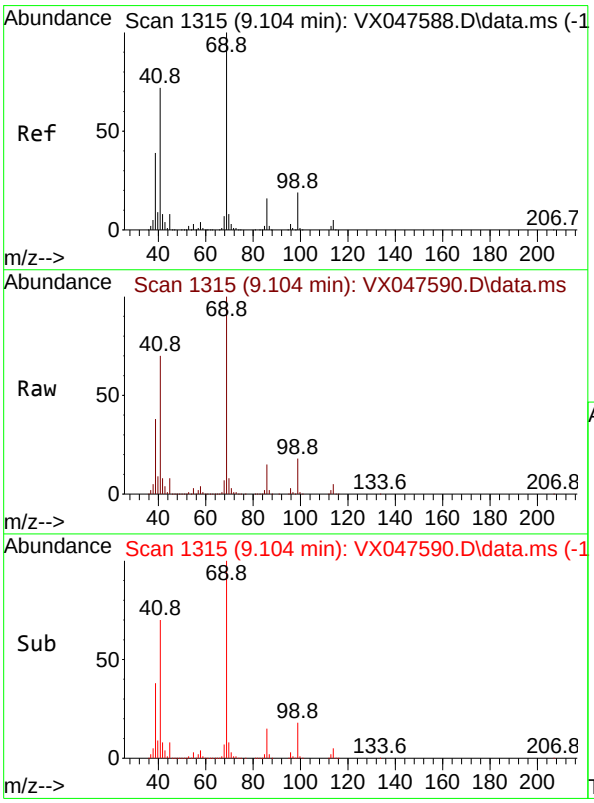
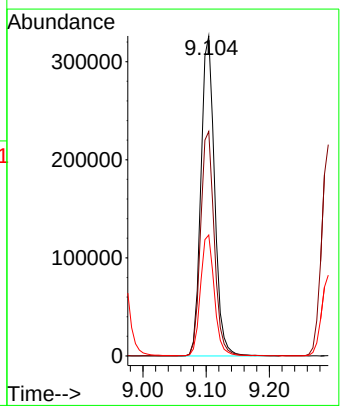
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

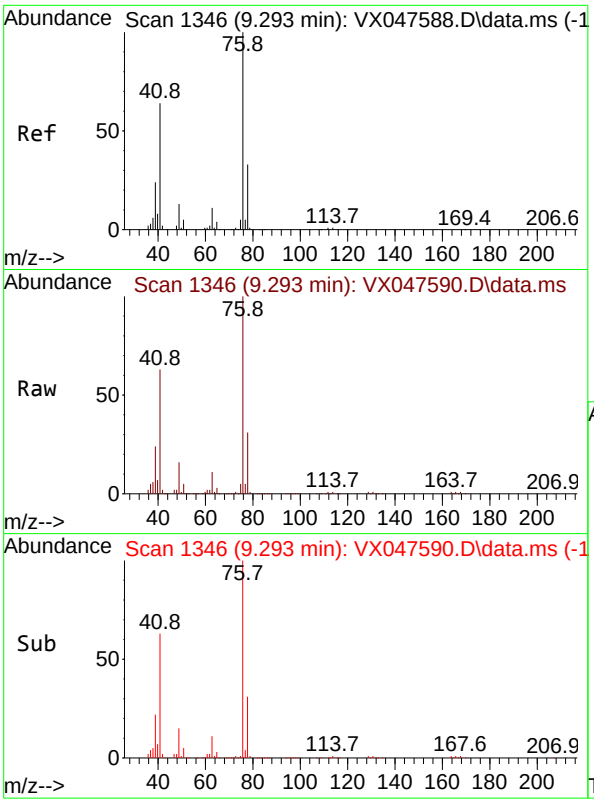



#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.5 | 58.6 | 87.8 |
| 39 | 38.2 | 31.5 | 47.3 |

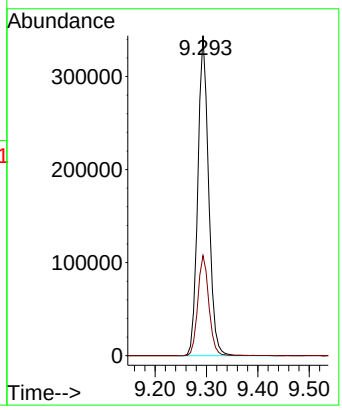





#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 76 Resp: 50212

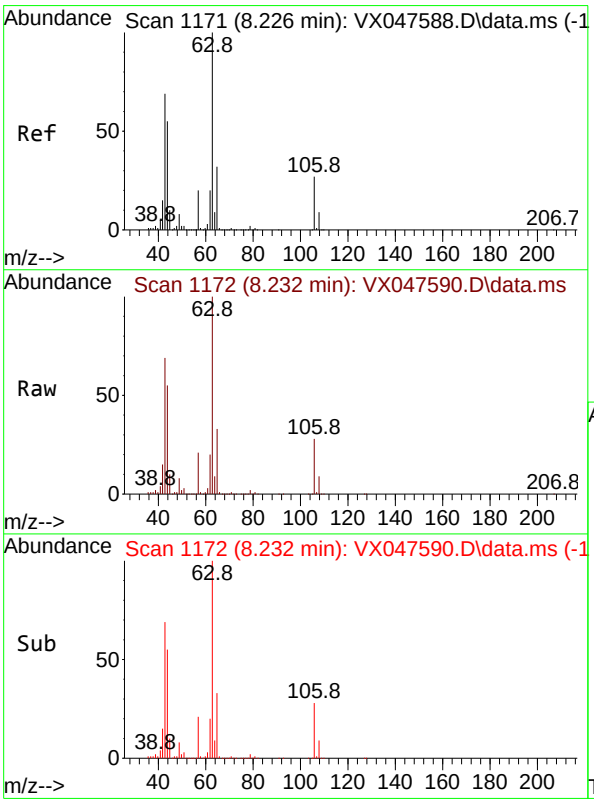
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

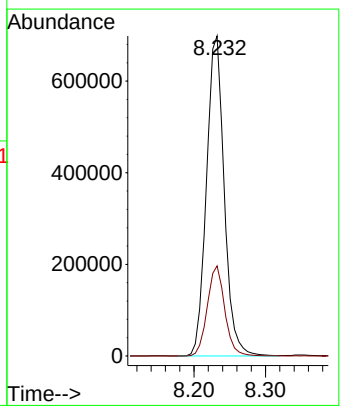
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

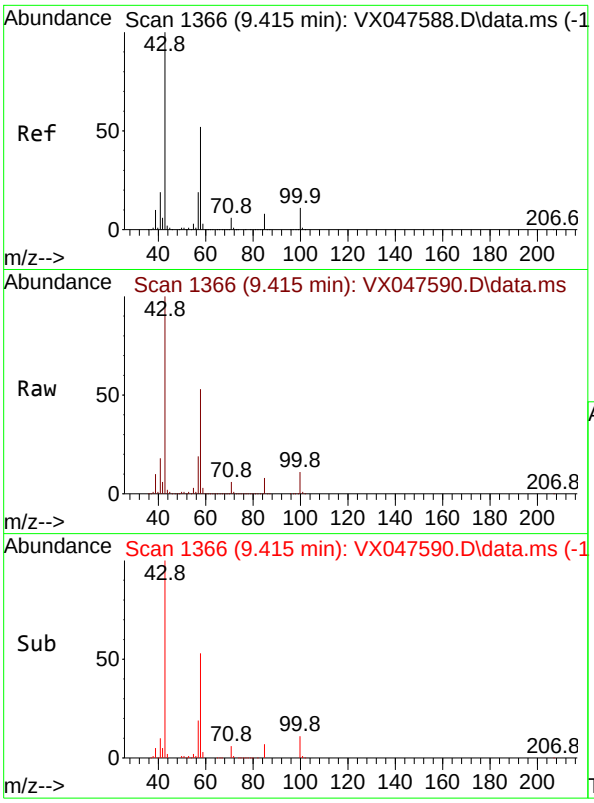



#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.7 | 21.9 | 32.9 |

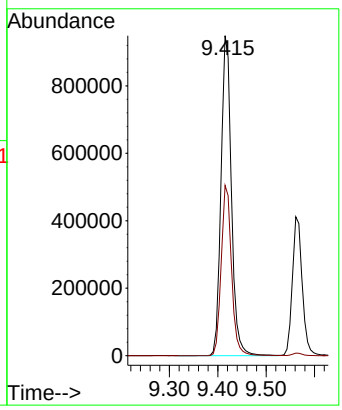





#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 141241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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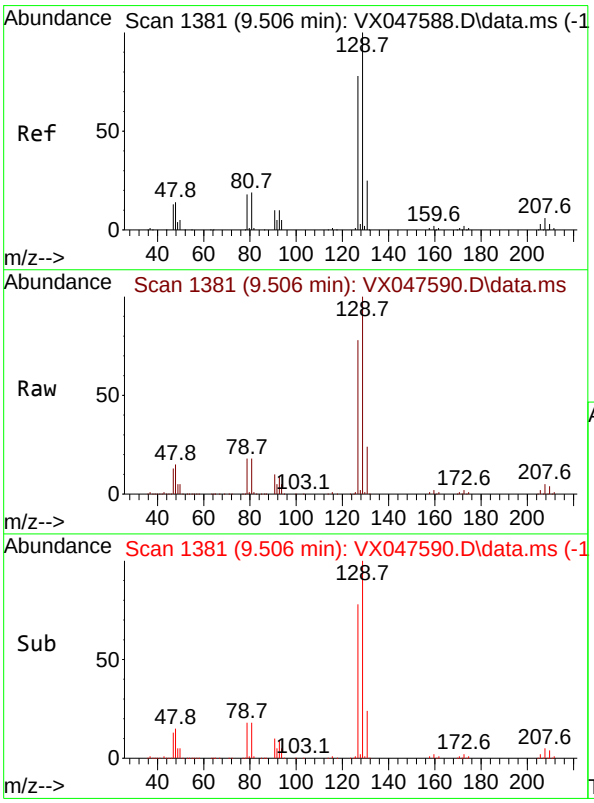
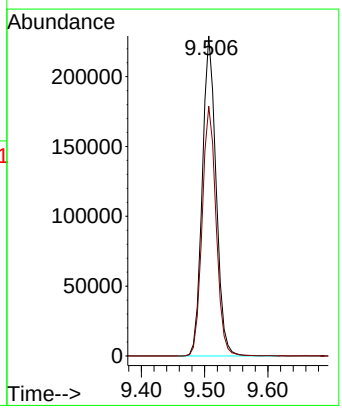
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

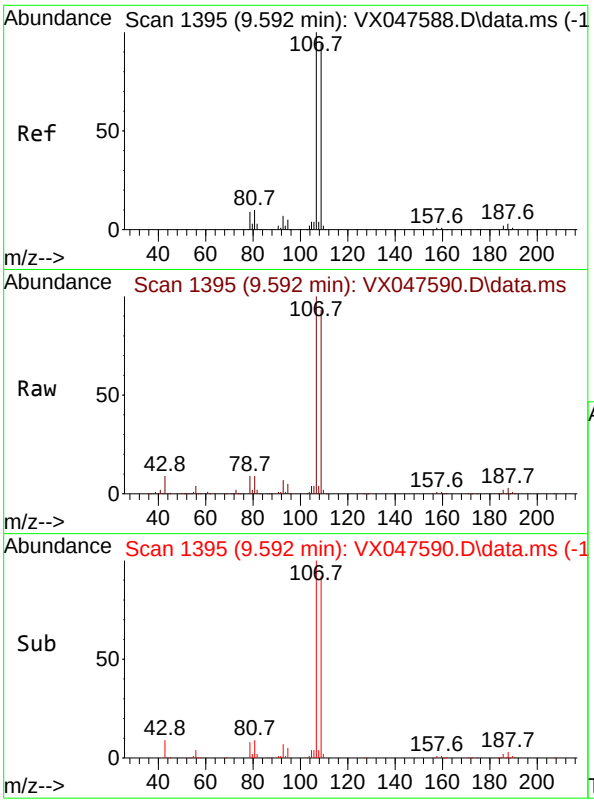



#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.7 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

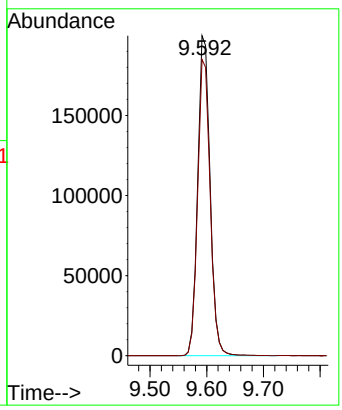
Tgt Ion:107 Resp: 30271

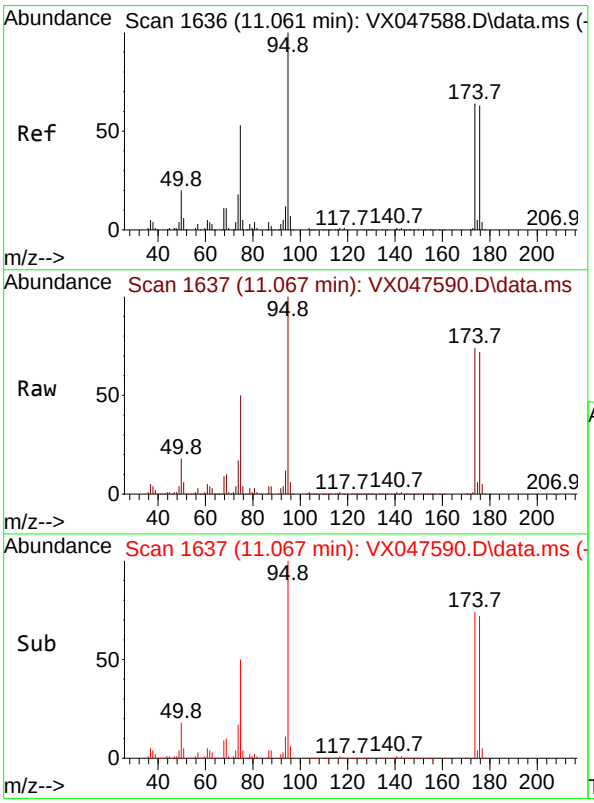
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

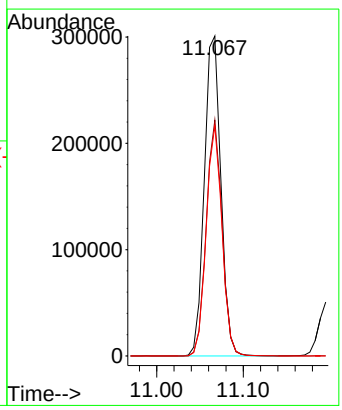


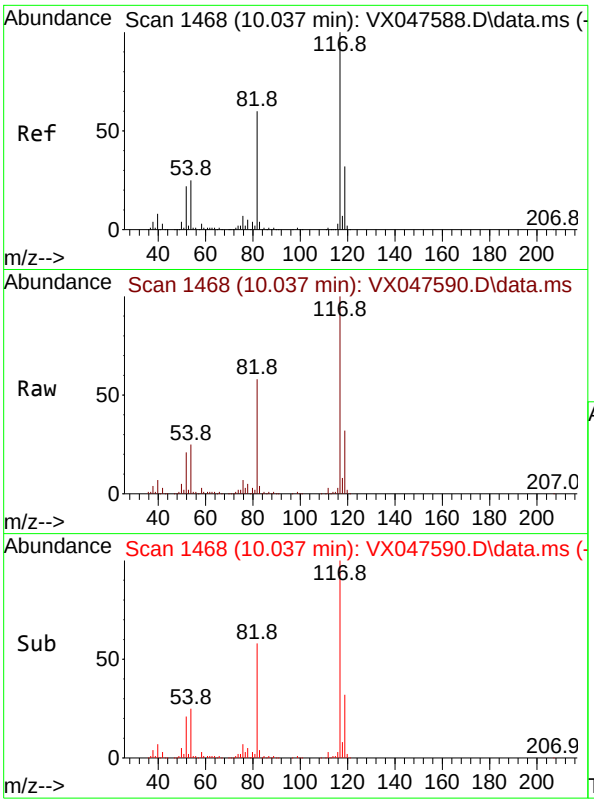




#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.7 | 0.0 | 141.6 |
| 176 | 68.5 | 0.0 | 138.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 241818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 47.8 | 71.6 |
| 119 | 32.2 | 25.2 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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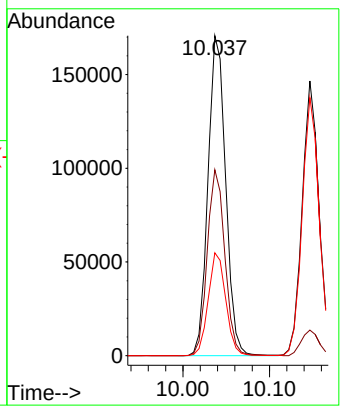
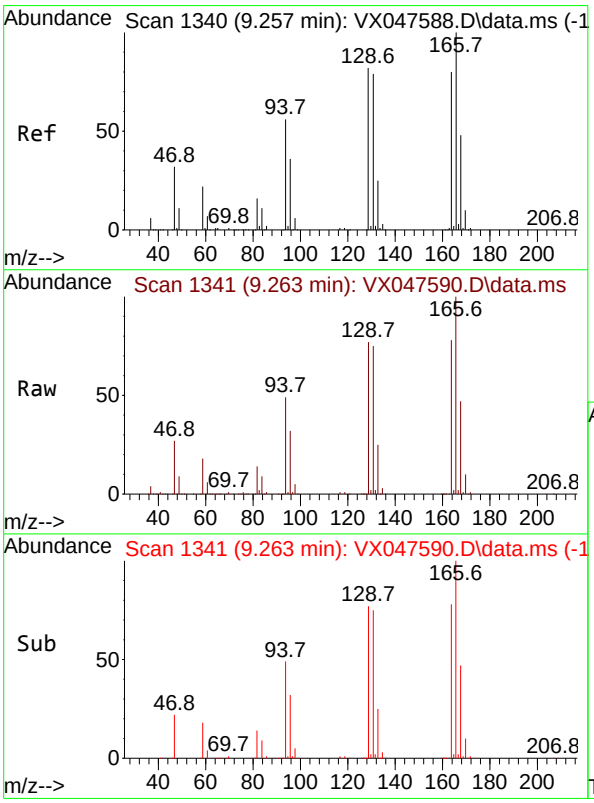
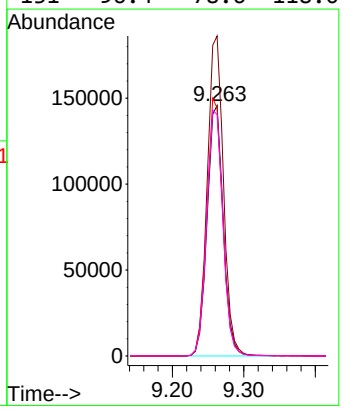


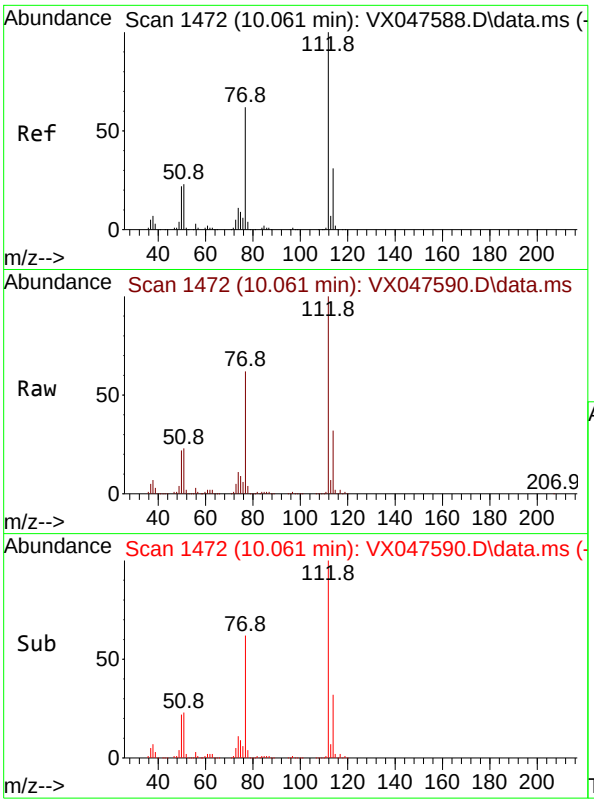




#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 100.2 | 150.2 |
| 129 | 99.0 | 81.8 | 122.6 |
| 131 | 96.4 | 78.6 | 118.0 |

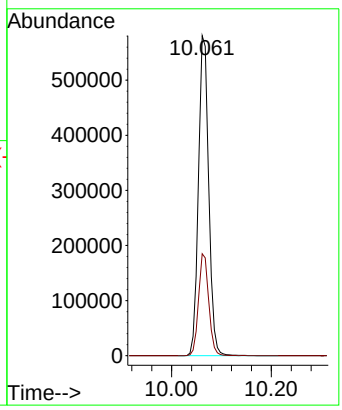





#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:112 Resp: 82823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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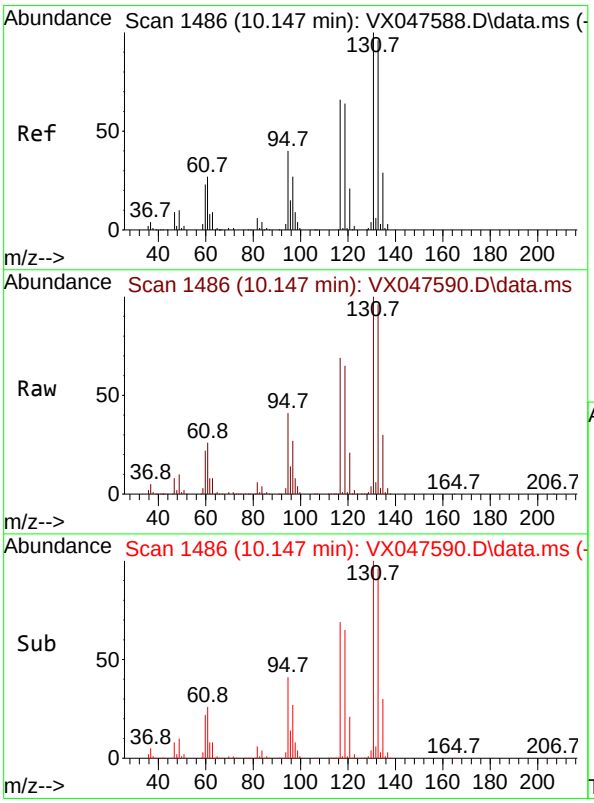
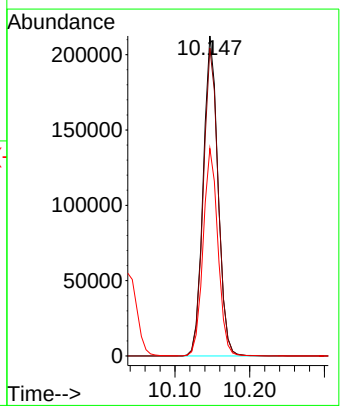
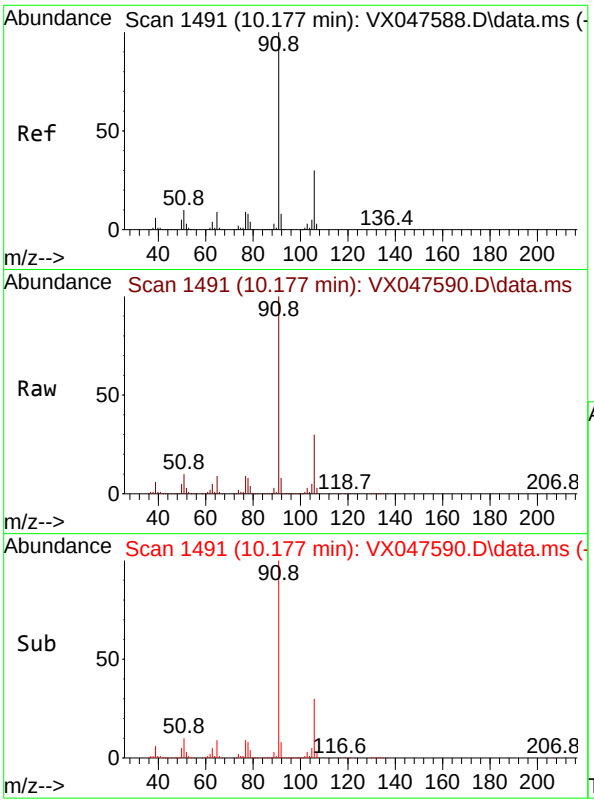



#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 47.3 | 142.0 |
| 119 | 64.8 | 32.0 | 96.0 |

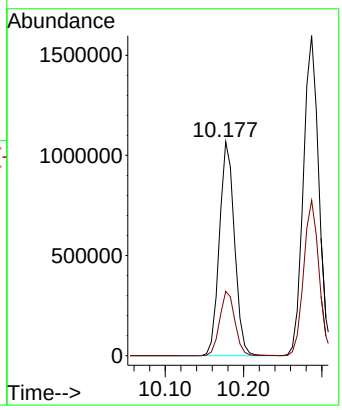





#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 143155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
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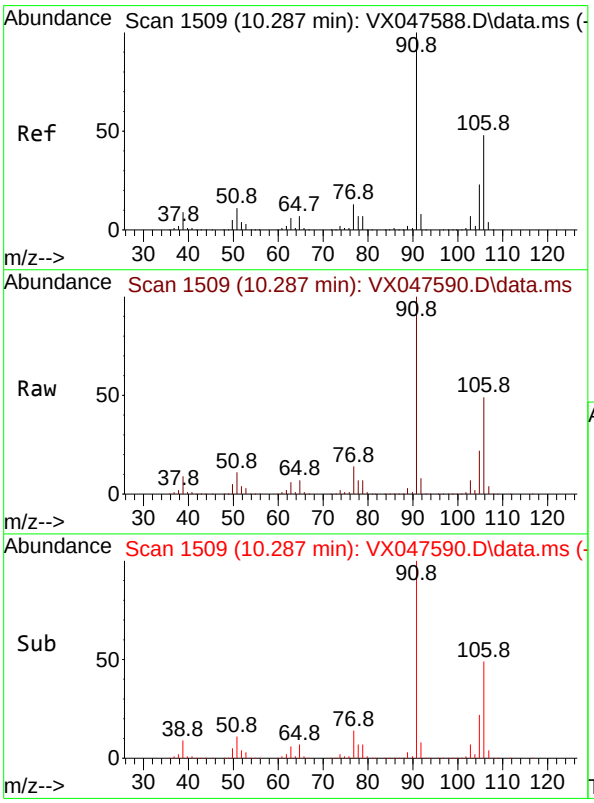
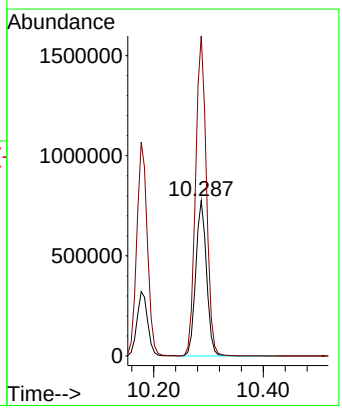
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

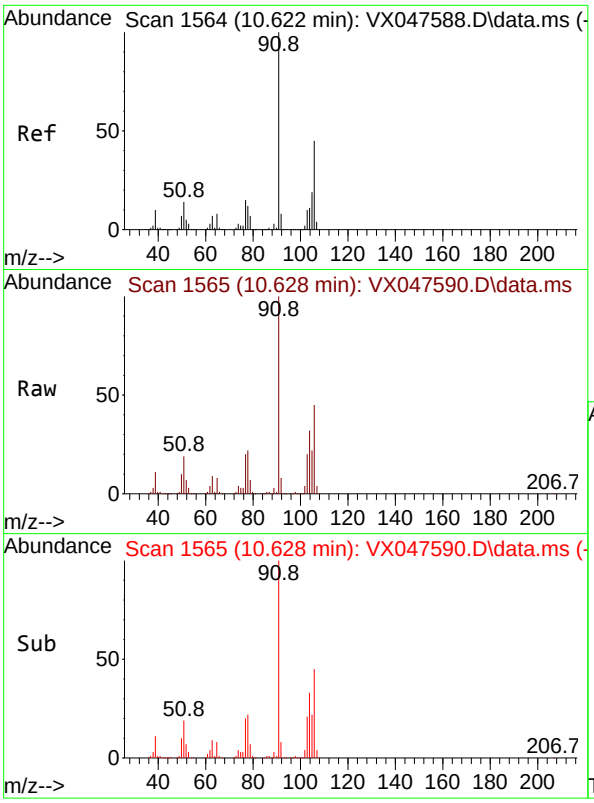



#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 167.8 | 251.8 |

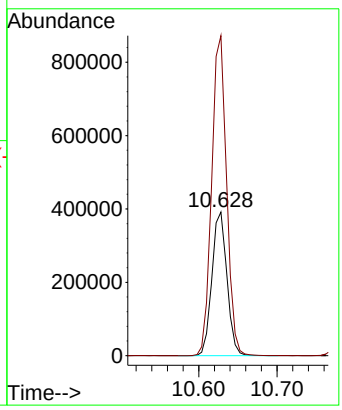





#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 52184

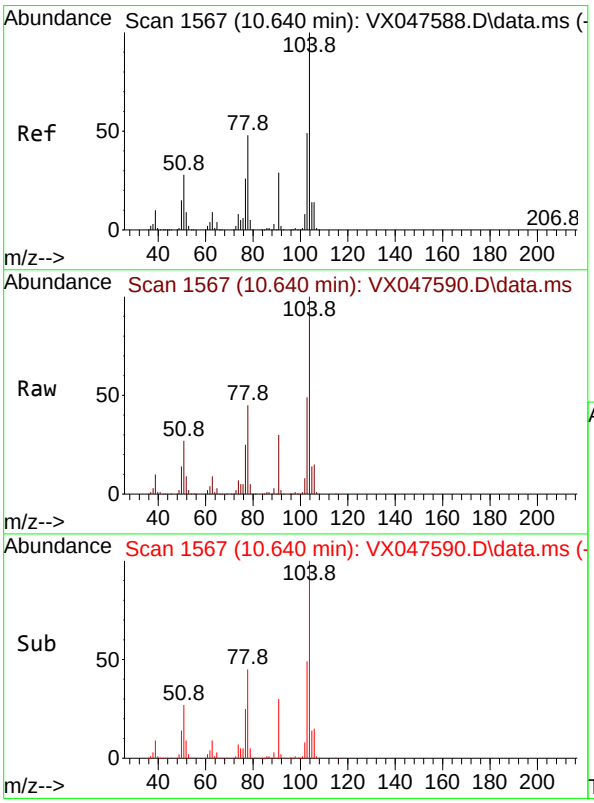
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.7 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

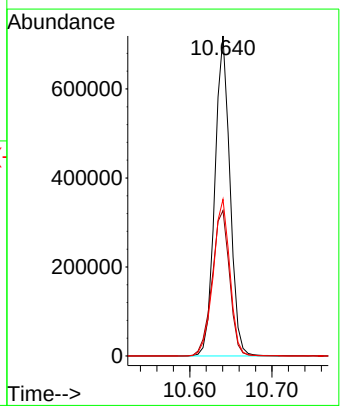
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

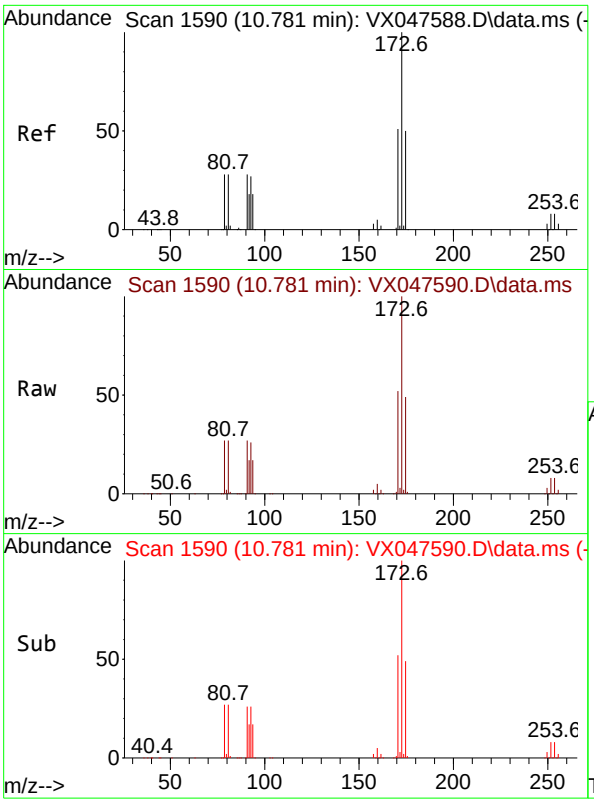



#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.4 | 43.1 | 64.7 |
| 103 | 54.0 | 43.1 | 64.7 |

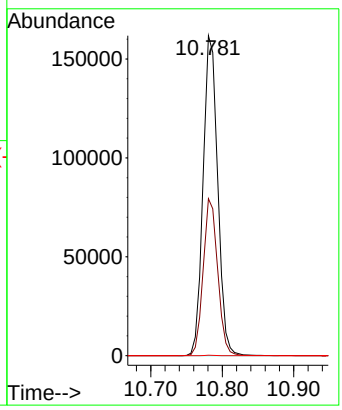





#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:173 Resp: 22968

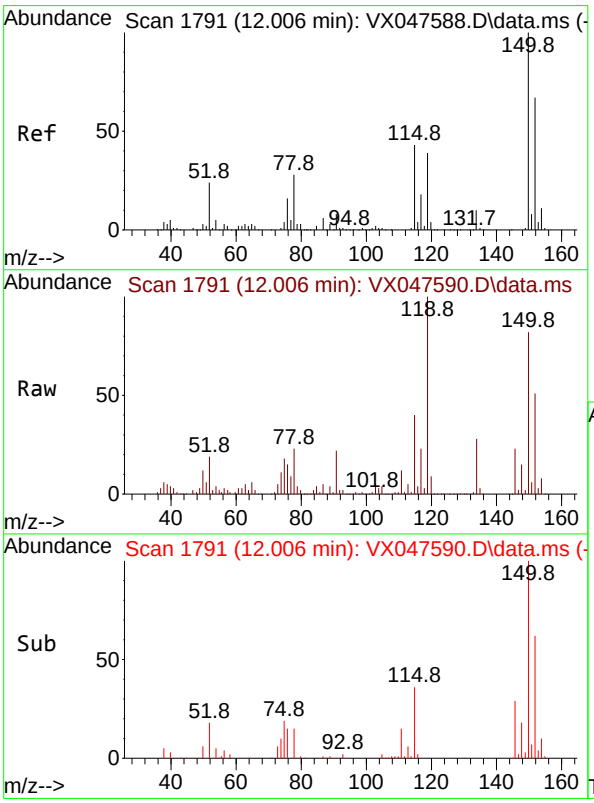
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

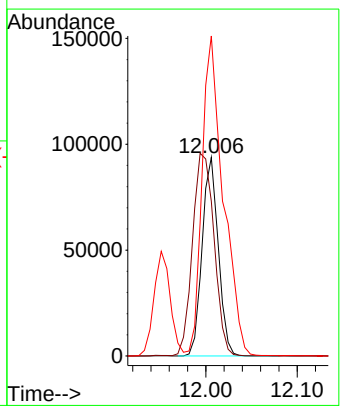
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

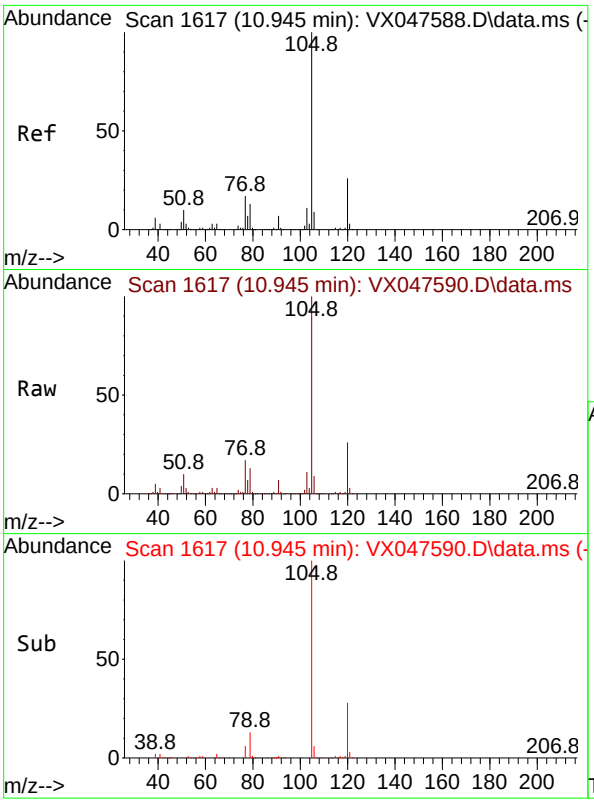



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 136.9 | 44.9 | 134.5# |
| 150 | 212.9 | 0.0 | 352.0 |

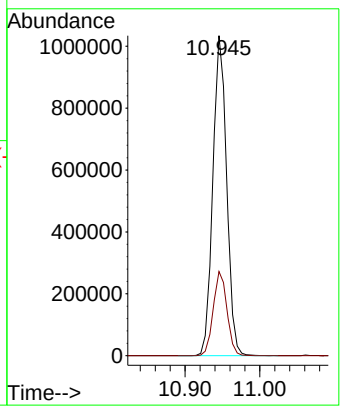





#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 132140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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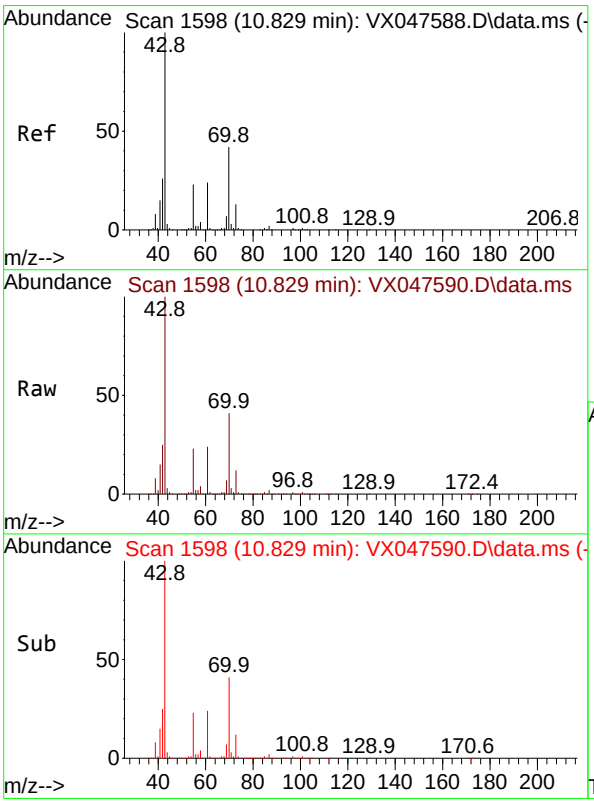
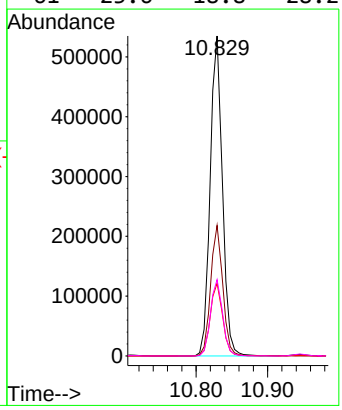
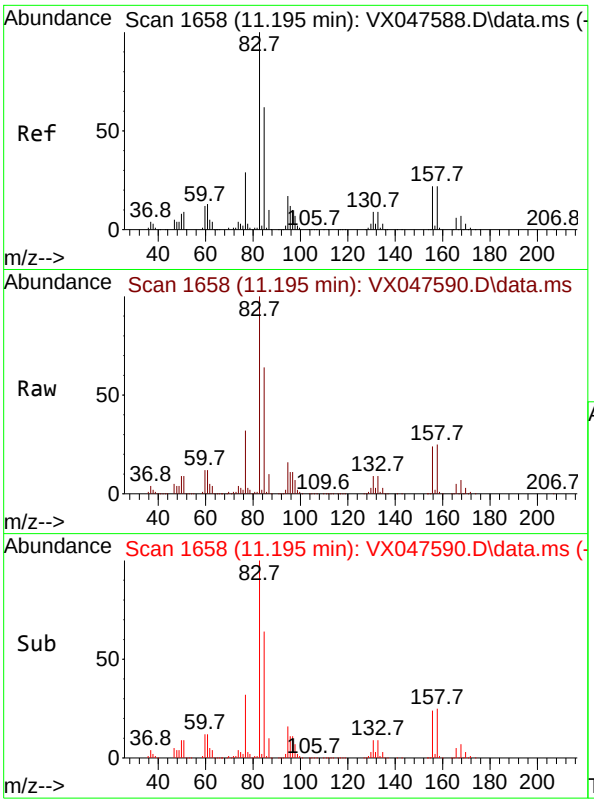



#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.0 | 48.0 |
| 55 | 22.9 | 18.9 | 28.3 |
| 61 | 23.6 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

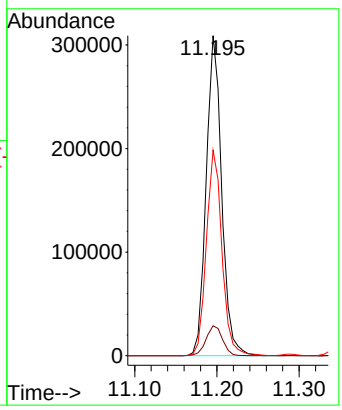
Tgt Ion: 83 Resp: 40390

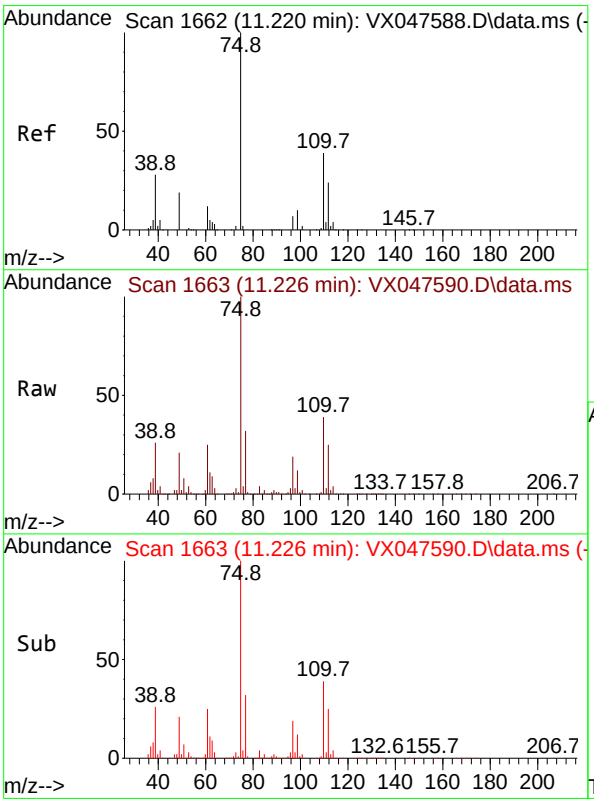
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 64.6 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

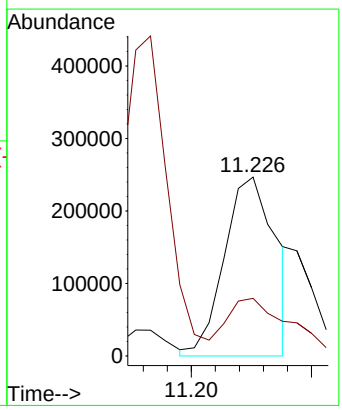


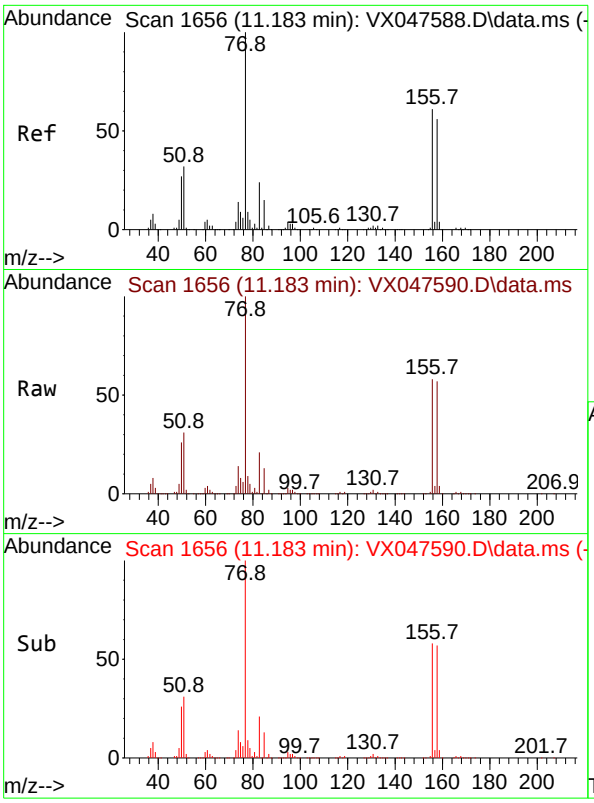




#76
1,2,3-Trichloropropane
Concen: 153.692 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 366171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.7 | 18.8 | 56.4 |

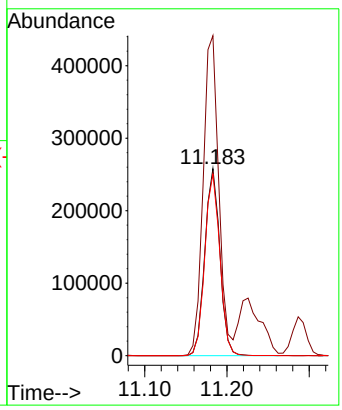





#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:156 Resp: 32833

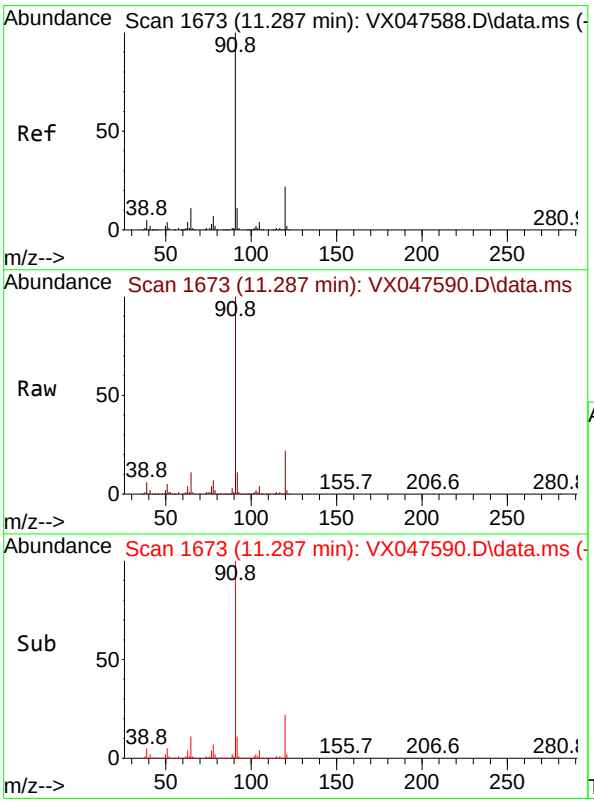
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 178.2 | 89.7 | 269.1 |
| 158 | 97.5 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

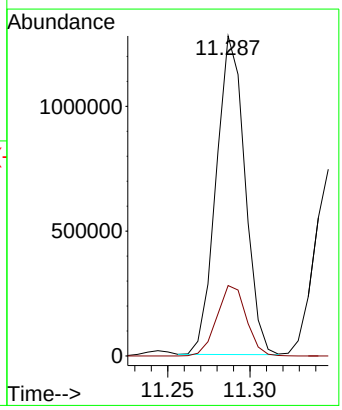
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

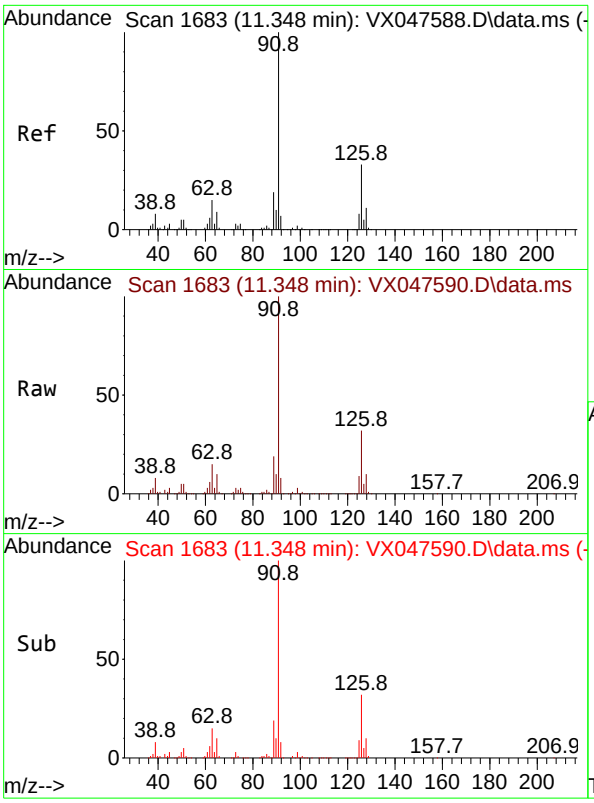



#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.1 | 33.1 |

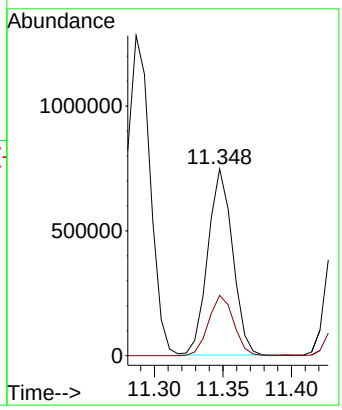





#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 93970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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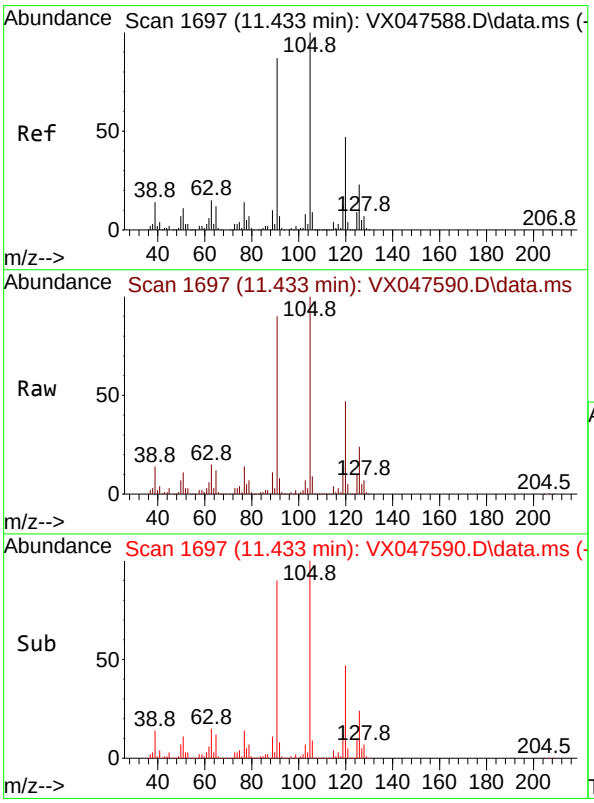
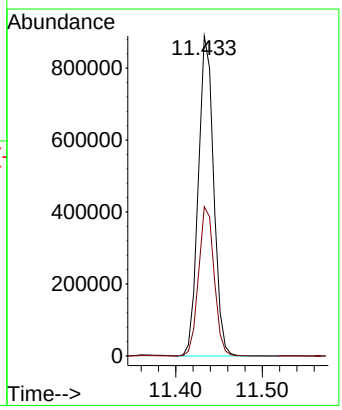
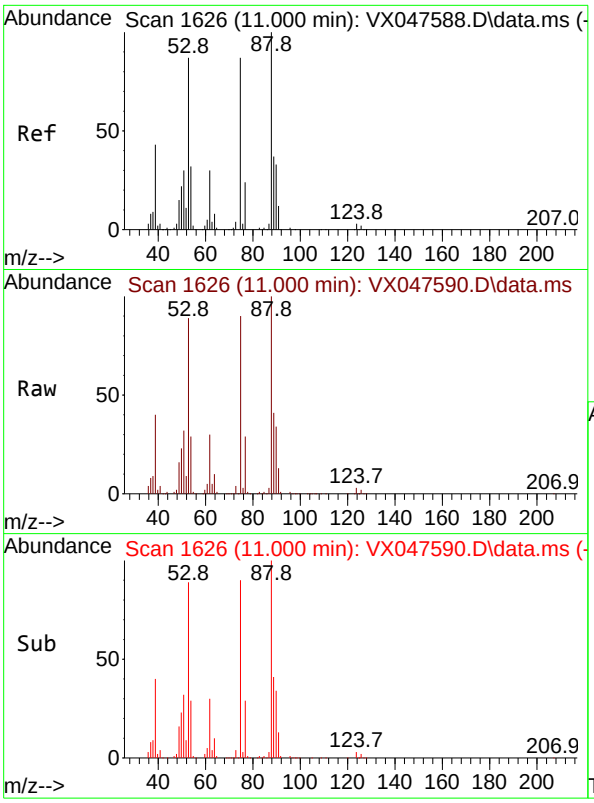



#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 14592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 83.4 | 125.2 |
| 89 | 46.3 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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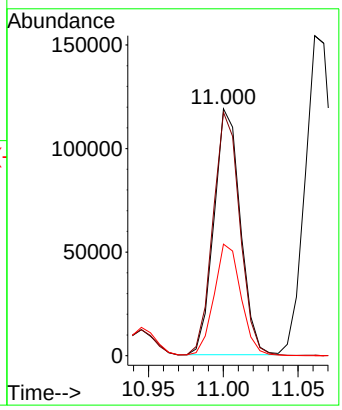
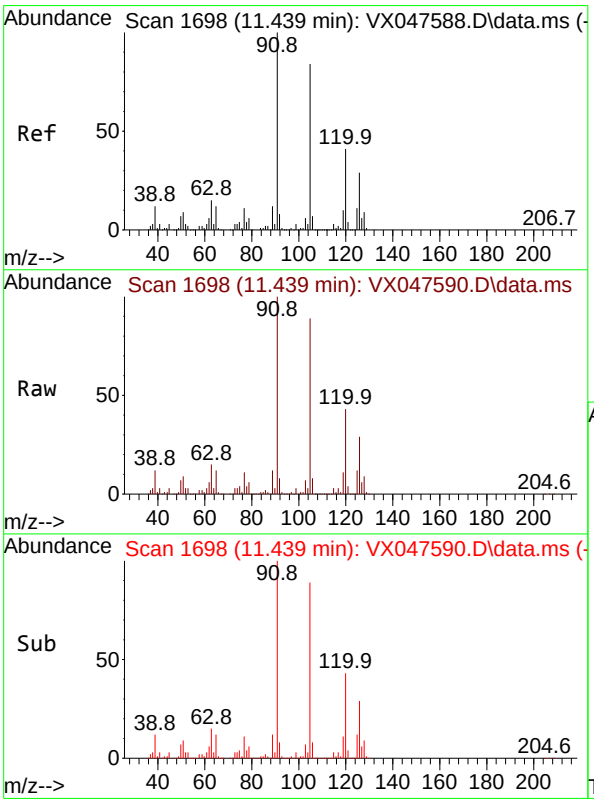
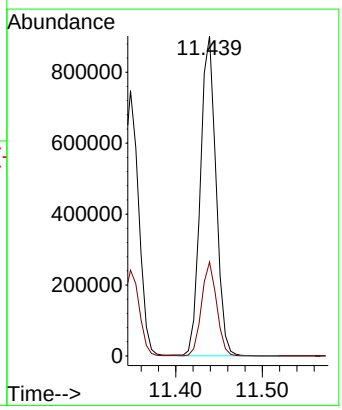


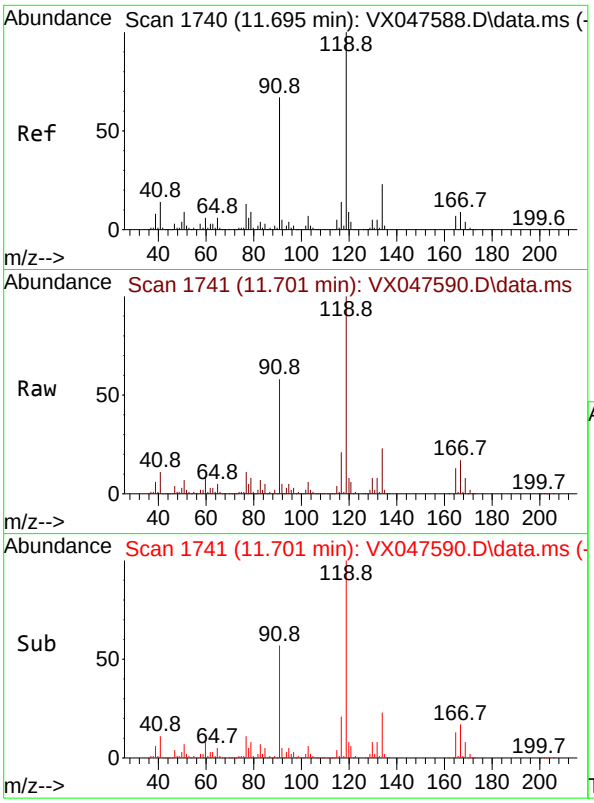




#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.2 | 42.6 |

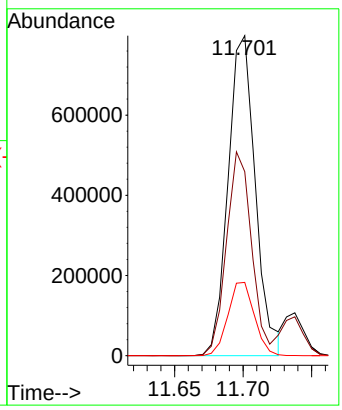





#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 110653

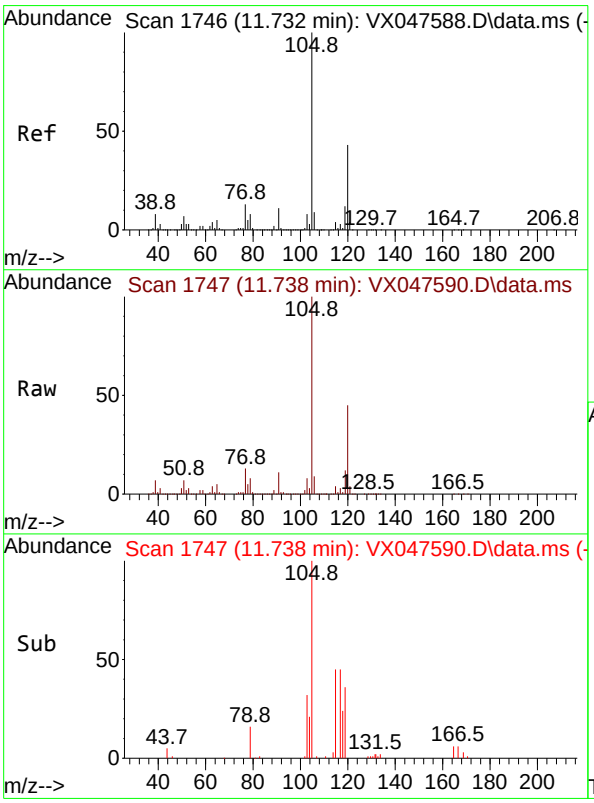
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.7 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

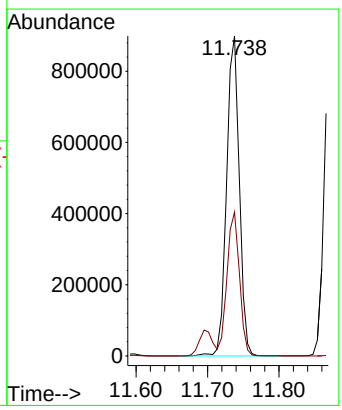
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

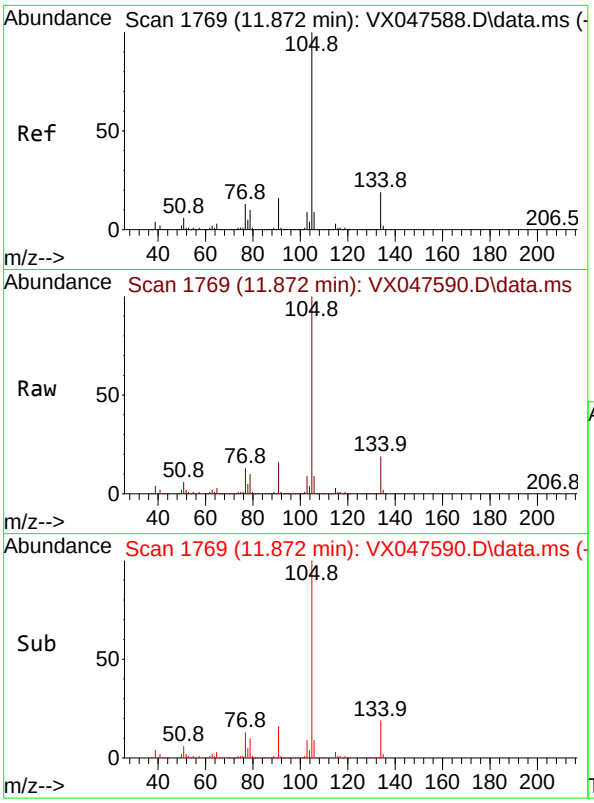



#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.1 | 66.1 |

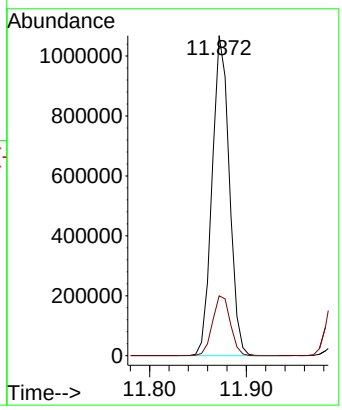





#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 131981

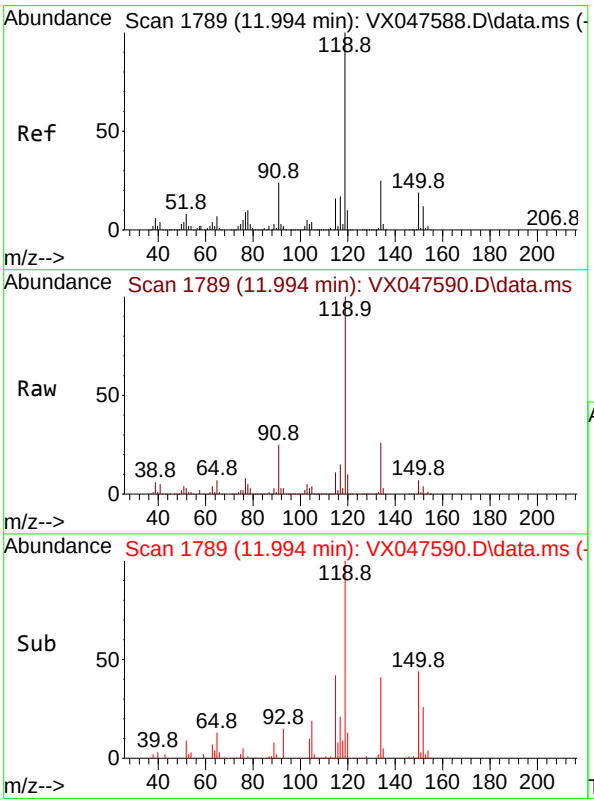
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

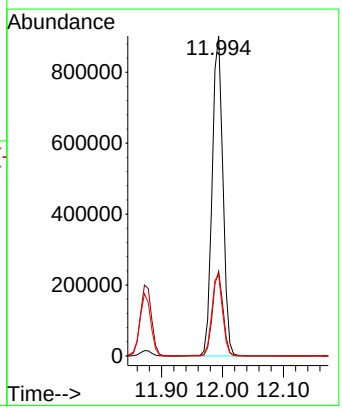
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

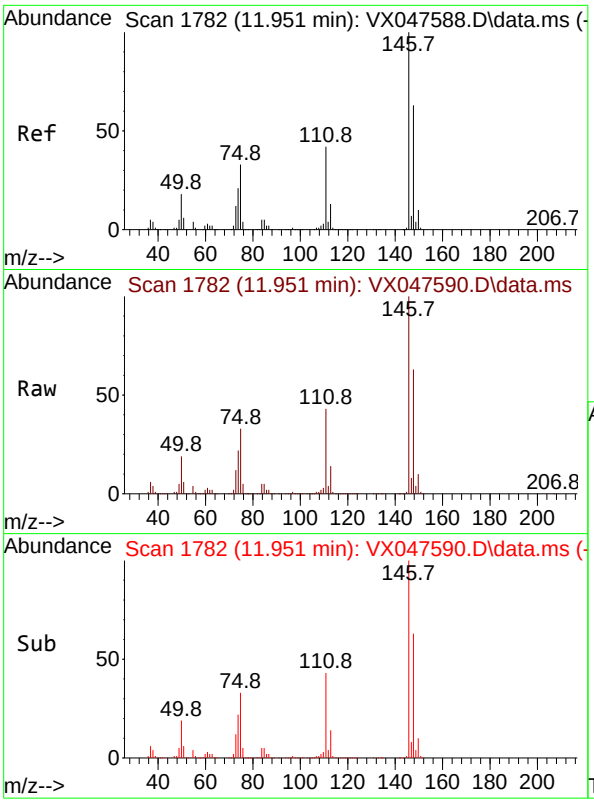



#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 25.3 | 12.6 | 37.6 |

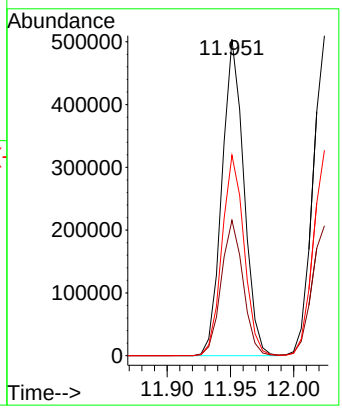





#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 60512

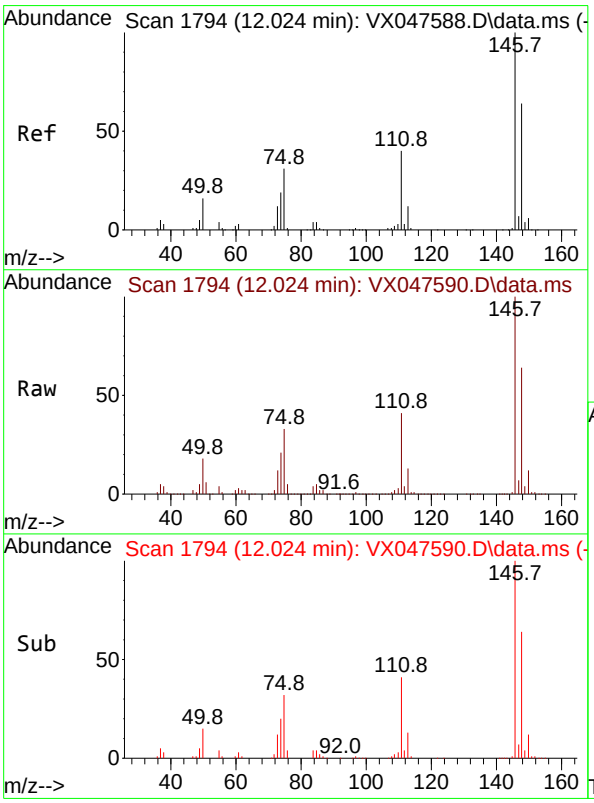
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.5 | 64.5 |
| 148 | 63.8 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

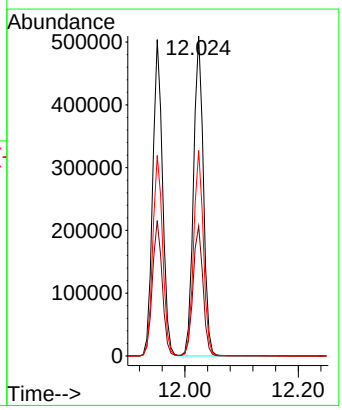
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

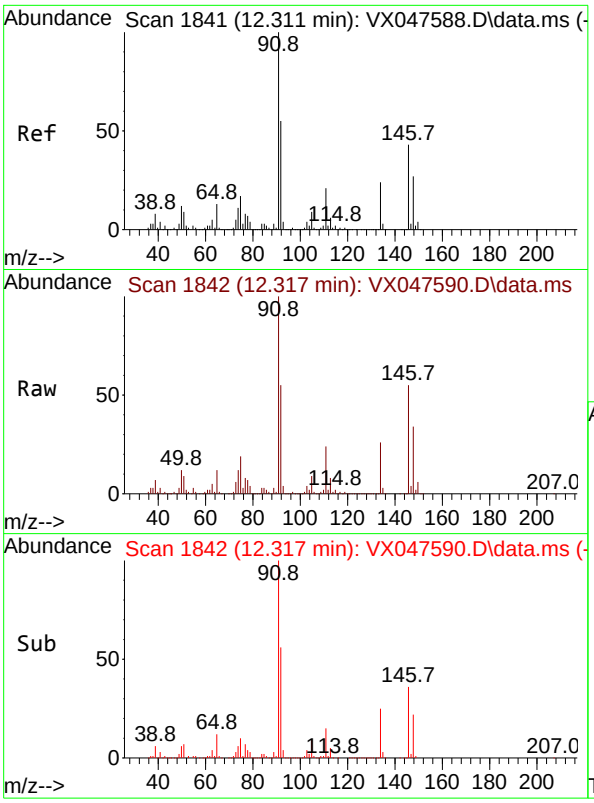



#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.8 | 62.4 |
| 148 | 63.2 | 31.7 | 95.1 |

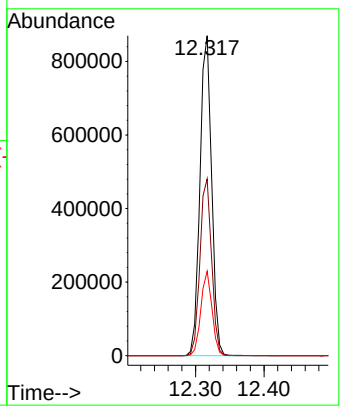





#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 103235

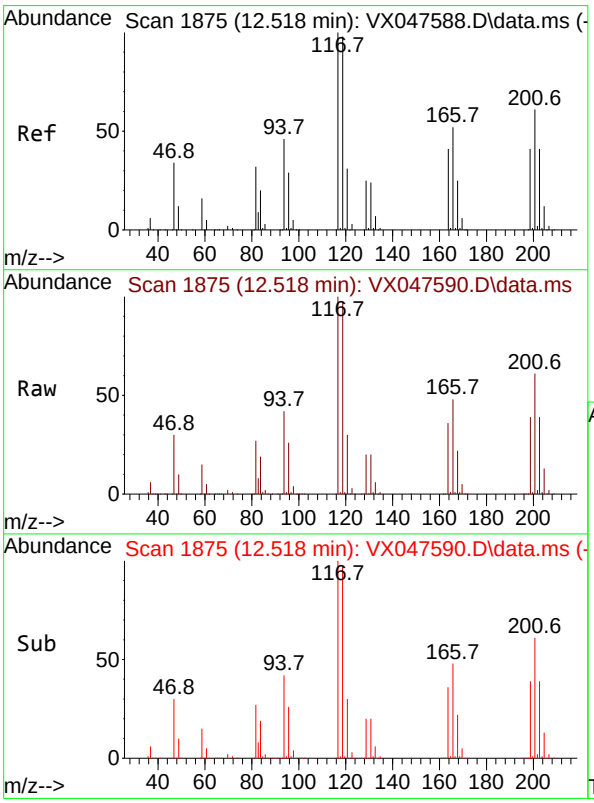
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.2 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

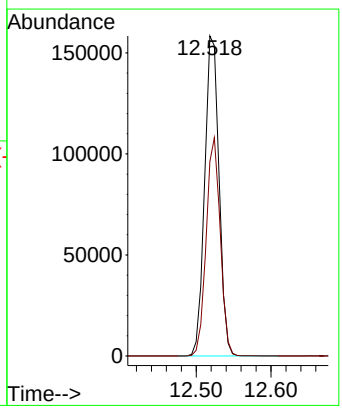
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

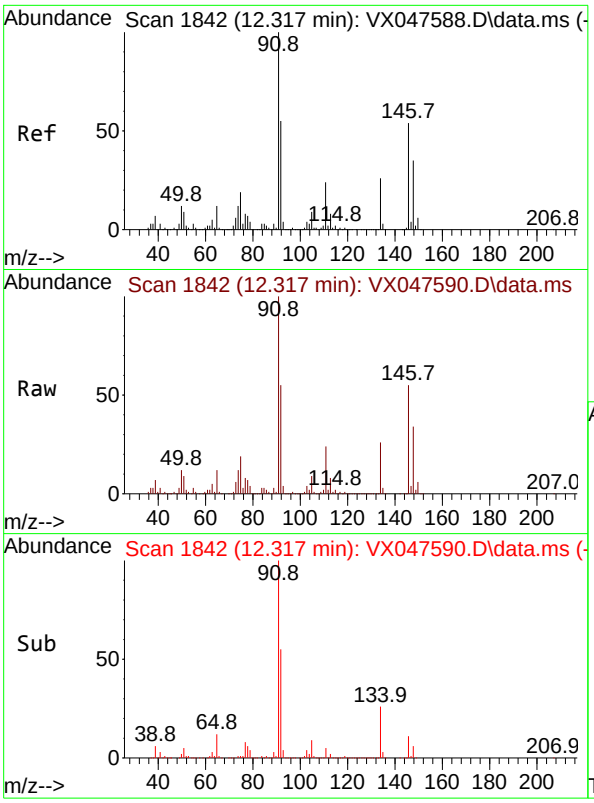



#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.6 | 34.2 | 102.5 |

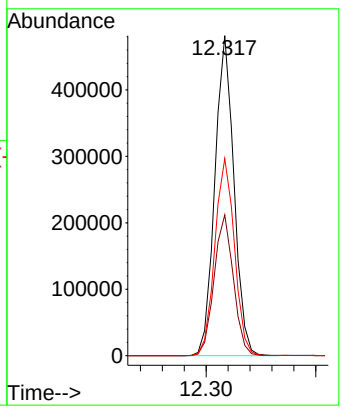





#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 58256

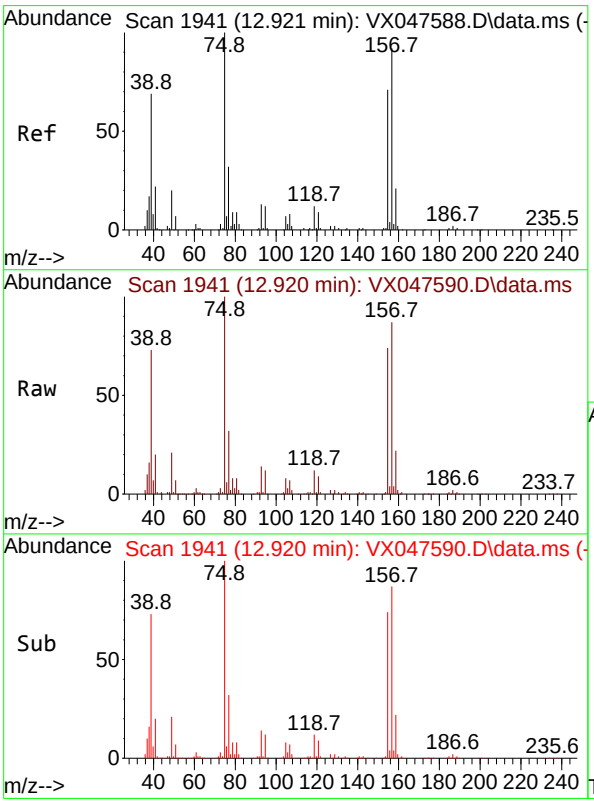
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

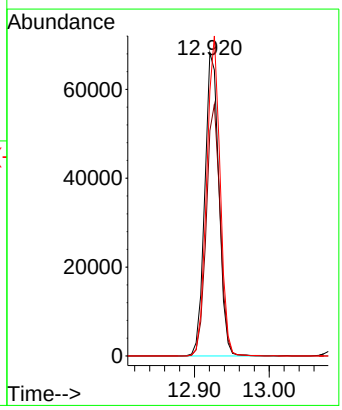
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

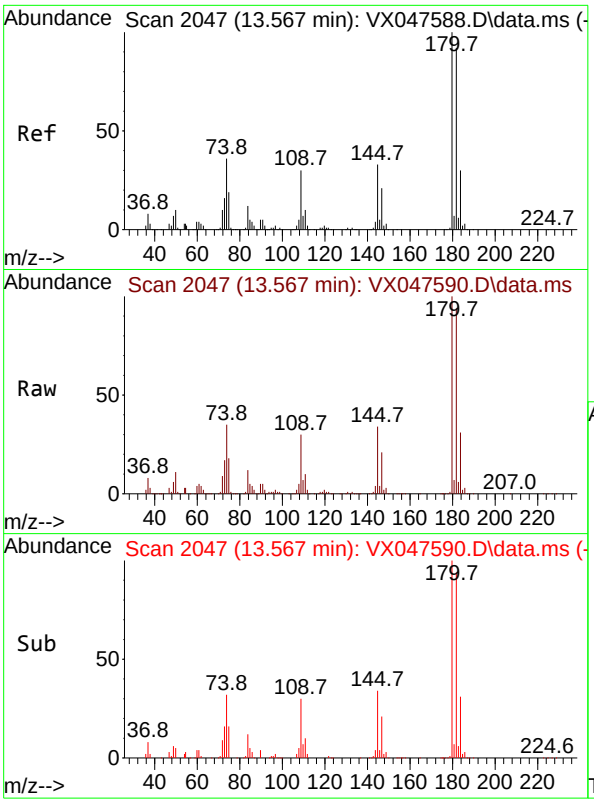



#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.3 | 37.7 | 113.1 |
| 157 | 100.6 | 49.8 | 149.4 |

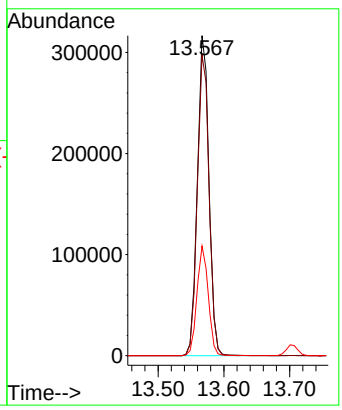





#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 38765

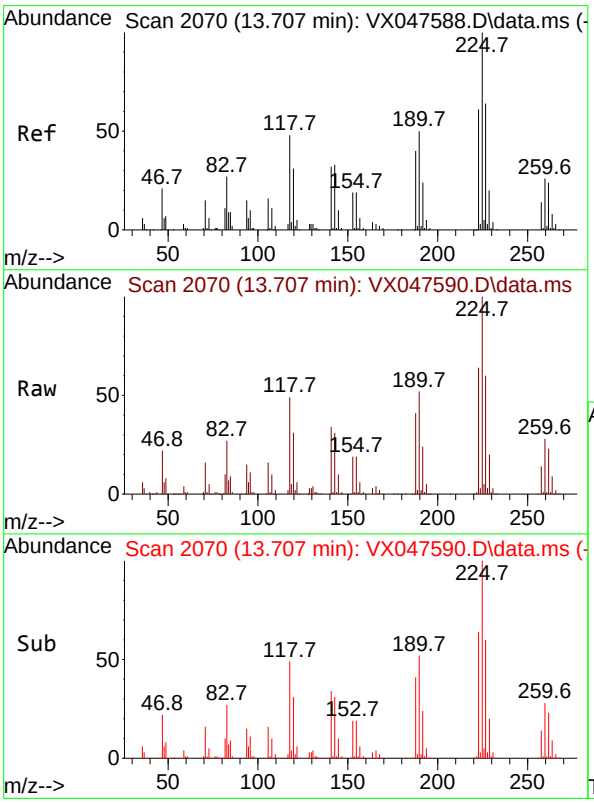
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.6 | 139.8 |
| 145 | 33.5 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

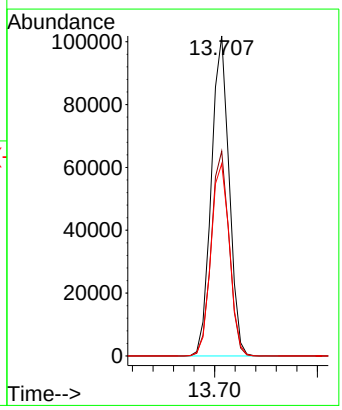
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

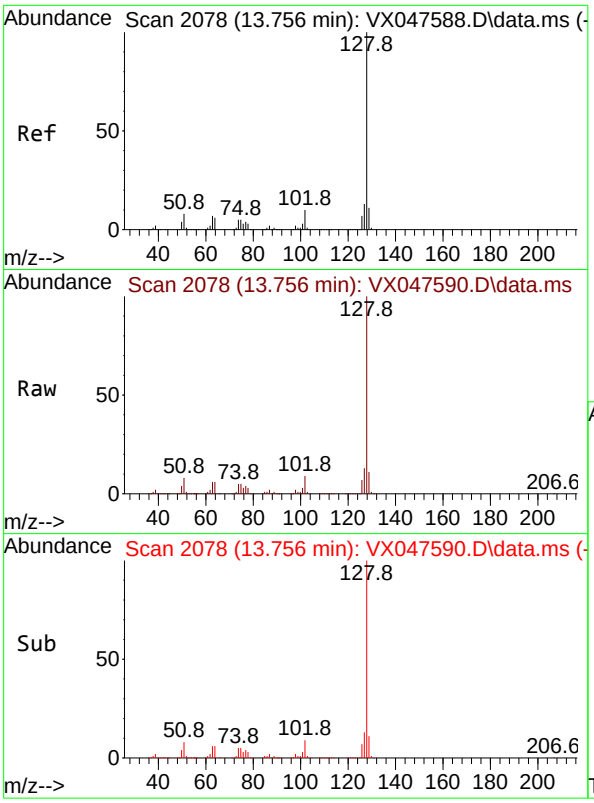



#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.2 | 31.7 | 95.1 |
| 227 | 62.8 | 32.0 | 96.0 |

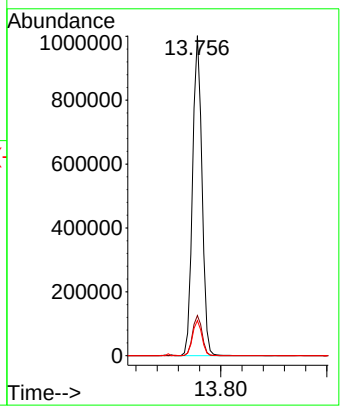





#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:128 Resp: 122936

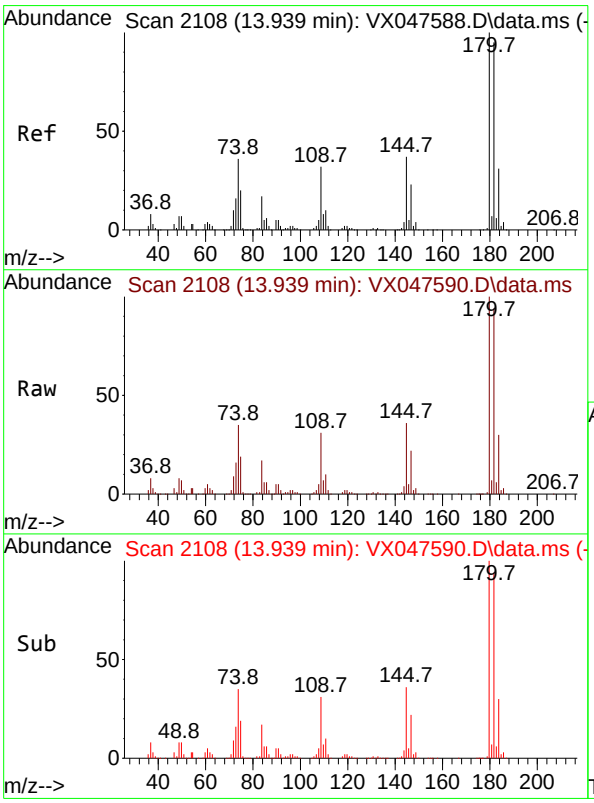
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

**Manual Integrations**
**APPROVED**

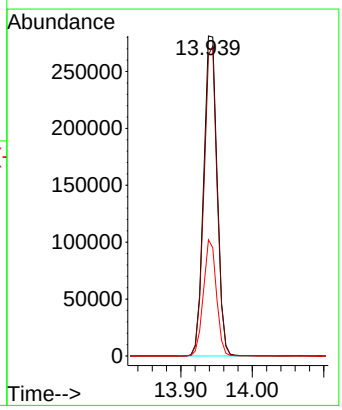
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 47.6 | 142.8 |
| 145 | 34.9 | 17.9 | 53.7 |



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 186484 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 331837 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 288660 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 139252 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 135209 | 45.550 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 91.100% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 101390 | 45.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.120% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 357393 | 46.411 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 92.820% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 135957 | 46.520 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 86110 | 44.592 | ug/l | 94 |
| 3) Chloromethane | 1.300 | 50 | 110935 | 43.710 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 113742 | 45.783 | ug/l | 99 |
| 5) Bromomethane | 1.617 | 94 | 76388 | 48.489 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 77337 | 46.575 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 173647 | 47.074 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 70459 | 46.693 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 104663 | 48.524 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 155450 | 46.210 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.940 | 59 | 84722 | 256.271 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 104302 | 47.076 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 77645 | 254.867 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 213704 | 46.742 | ug/l | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 310505 | 253.567 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 316217 | 245.006 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 272741 | 44.966 | ug/l | 97 |
| 18) Methyl Acetate | 2.697 | 43 | 158480 | 55.175 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 392574 | 48.538 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 125669 | 46.000 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 111418 | 46.709 | ug/l | 99 |
| 22) Diisopropyl ether | 3.745 | 45 | 426854 | 48.174 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.709 | 43 | 1741267 | 245.539 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 226249 | 48.041 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 408273 | 253.598 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 193760 | 49.494 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 142635 | 48.826 | ug/l | 99 |
| 28) Bromochloromethane | 4.879 | 49 | 95782 | 46.586 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.983 | 42 | 245392 | 253.375 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 231954 | 48.739 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 180430 | 45.999 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 197711 | 48.978 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 151745 | 46.663 | ug/l | 99 |
| 37) Ethyl Acetate | 4.690 | 43 | 171454 | 49.241 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 165834 | 46.935 | ug/l | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 179392 | 48.597 | ug/l | 98 |
| 40) Benzene | 6.019 | 78 | 467748 | 47.357 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 90758 | 50.490 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 176131 | 46.867 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.318 | 43 | 280595 | 49.136 | ug/l | | 100 |
| 44) Trichloroethene | 7.104 | 130 | 114708 | 48.037 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 121532 | 48.053 | ug/l | | 98 |
| 46) Dibromomethane | 7.562 | 93 | 88297 | 47.976 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.799 | 83 | 185219 | 48.769 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.671 | 41 | 141532 | 49.757 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.641 | 88 | 31320 | 1089.520 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 809759 | 255.752 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 292879 | 48.130 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 191863 | 49.527 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 203954 | 49.257 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 112094 | 47.772 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 189741 | 51.490 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 197079 | 48.894 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 394205 | 225.562 | ug/l | | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 575599 | 253.126 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 134704 | 49.824 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 117817 | 49.297 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 90881 | 48.296 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 318372 | 48.549 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 110416 | 48.794 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 563634 | 49.813 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 416757 | 98.956 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 204323 | 50.159 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 353567 | 49.536 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 86524 | 51.207 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 523826 | 49.479 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 243198 | 50.375 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 159676 | 49.851 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 149779m | 53.124 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 125610 | 48.173 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 616928 | 49.295 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 376486 | 49.117 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 435375 | 50.055 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 55880 | 50.543 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 445075 | 49.164 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 442341 | 49.679 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 440134 | 49.911 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 529869 | 50.100 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 446441 | 49.861 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 237383 | 49.014 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 243618 | 49.011 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 420478 | 50.752 | ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 79751 | 50.732 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 227493 | 49.304 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 33020 | 50.918 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 153333 | 51.133 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 53099 | 52.131 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 464206 | 50.836 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 142413 | 51.054 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/17/2025
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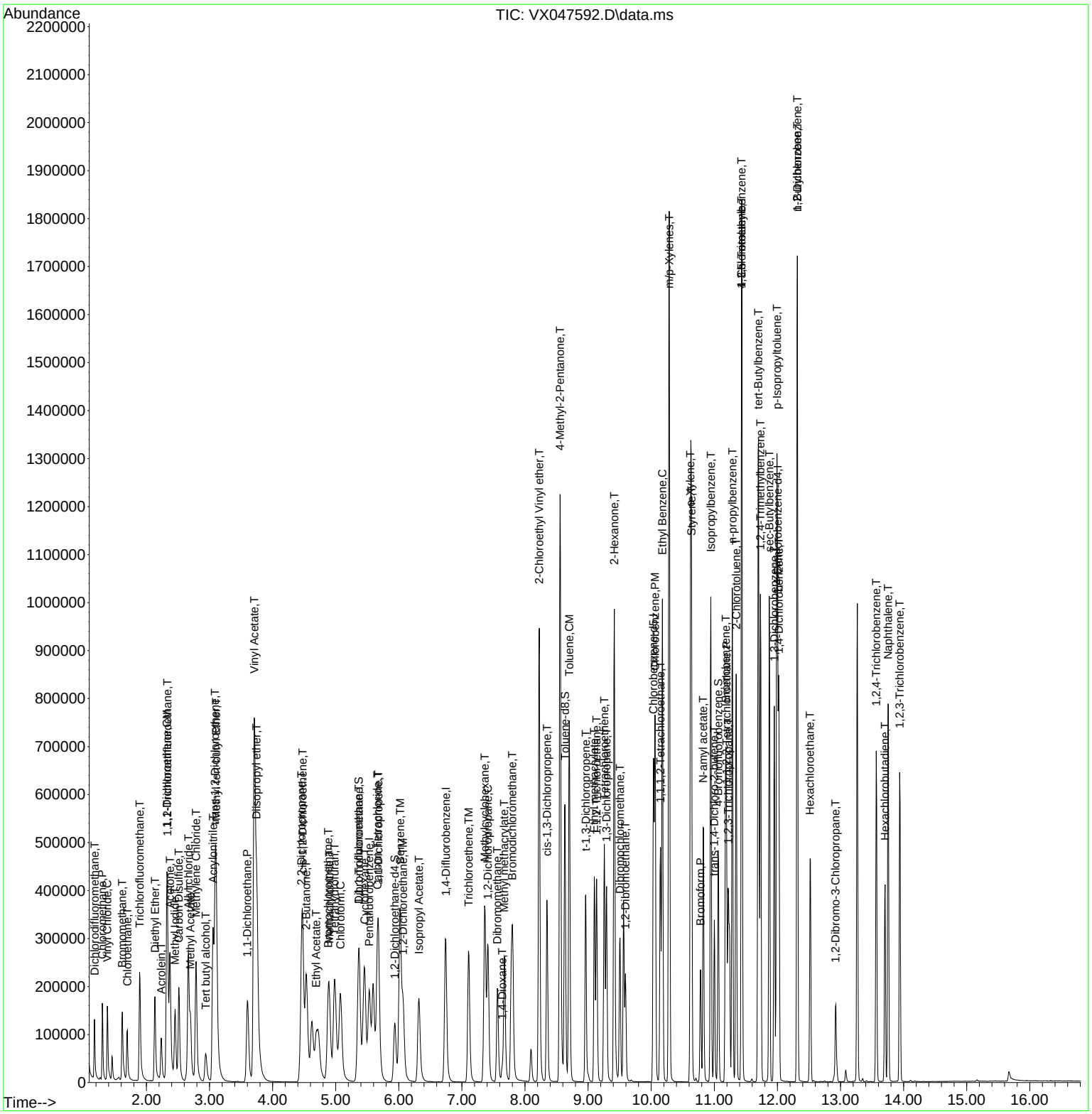
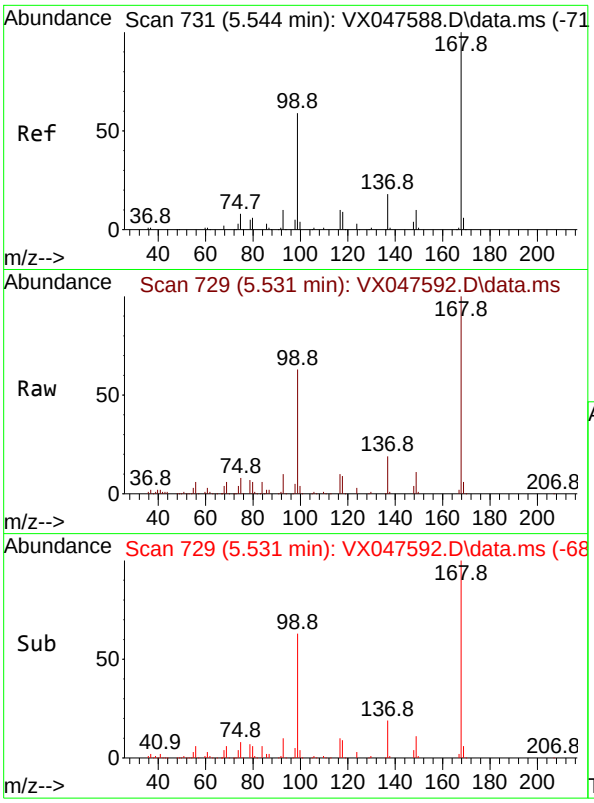
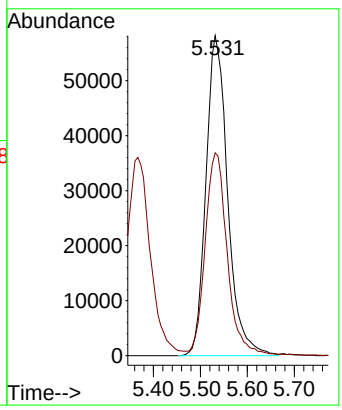





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:168 Resp: 18648

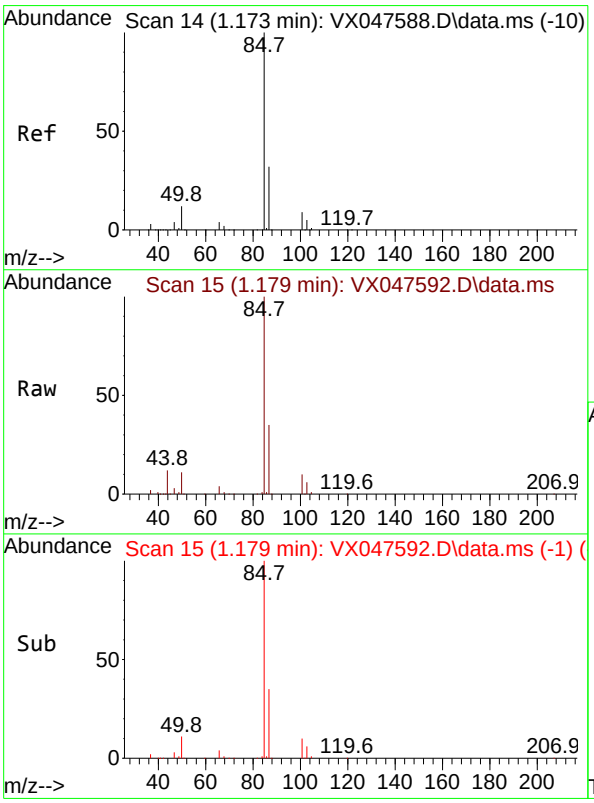
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

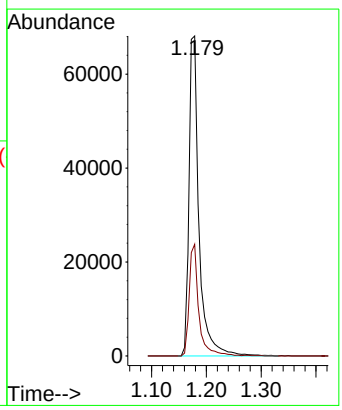
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

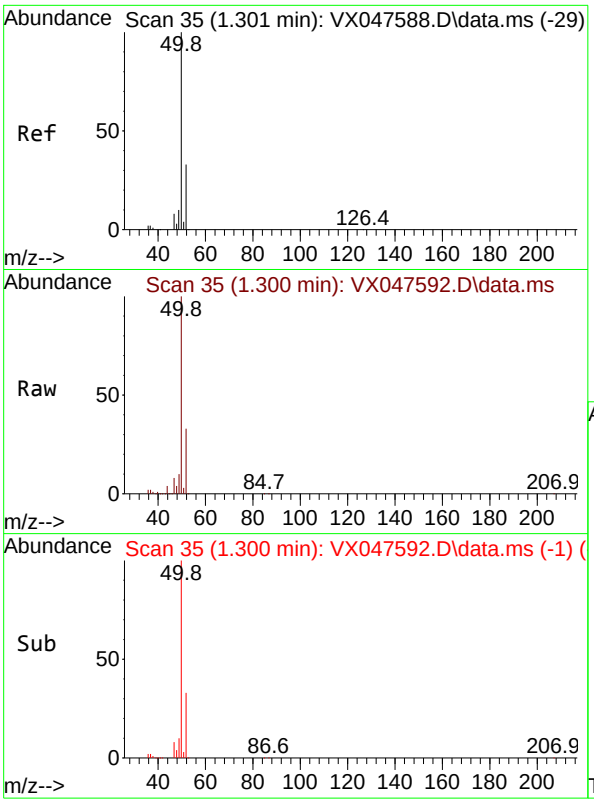



#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.9 | 15.8 | 47.3 |

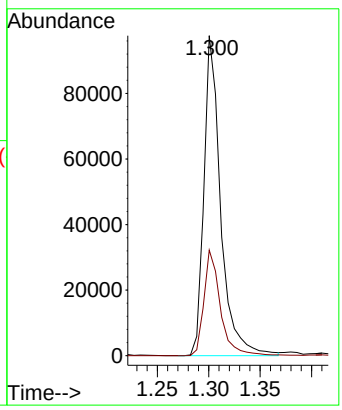





#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 50 Resp: 11093

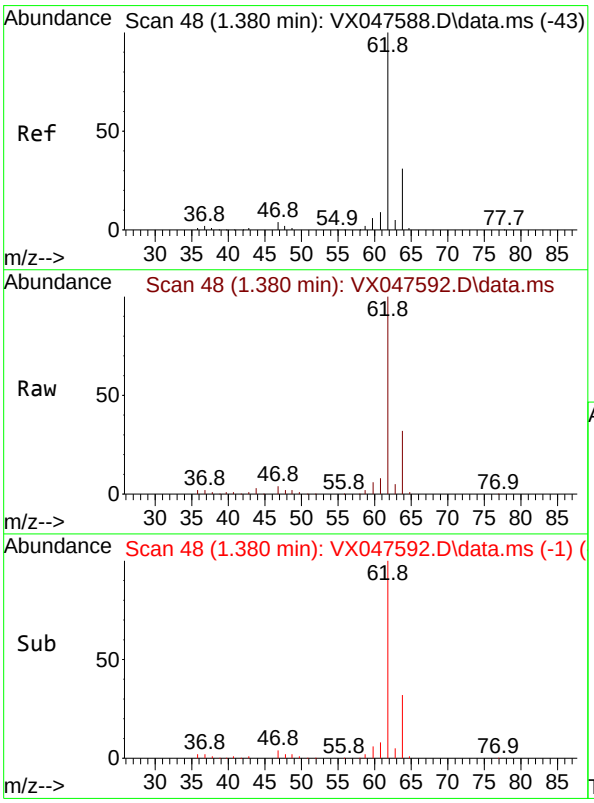
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

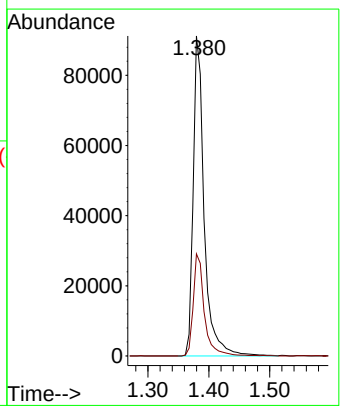
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

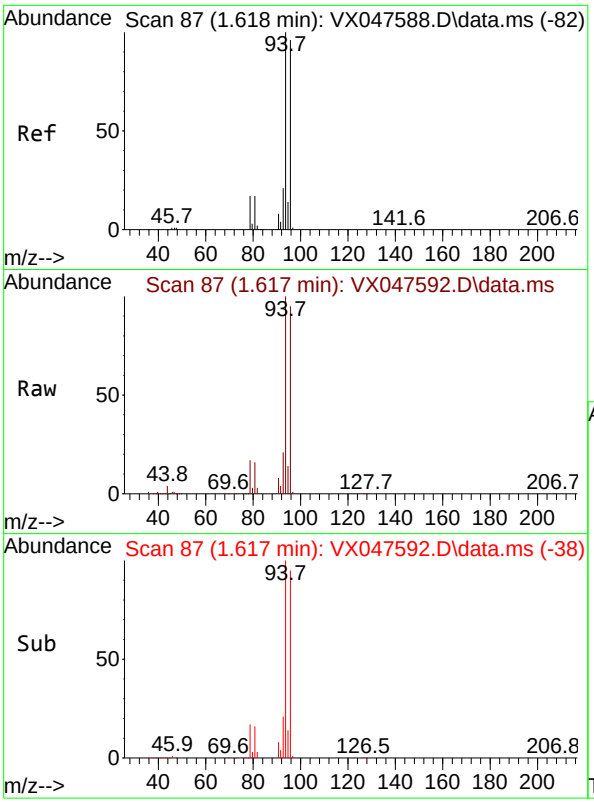



#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 24.9 | 37.3 |

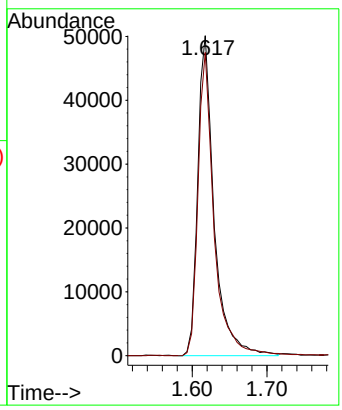





#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 94 Resp: 7638

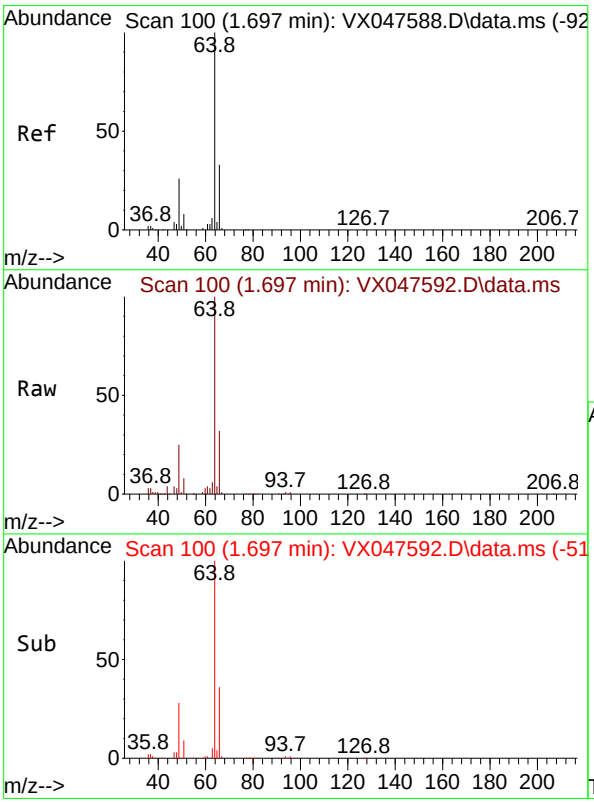
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.7 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

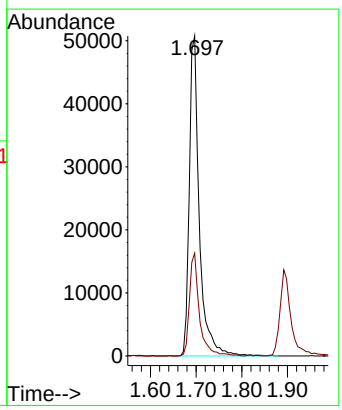
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

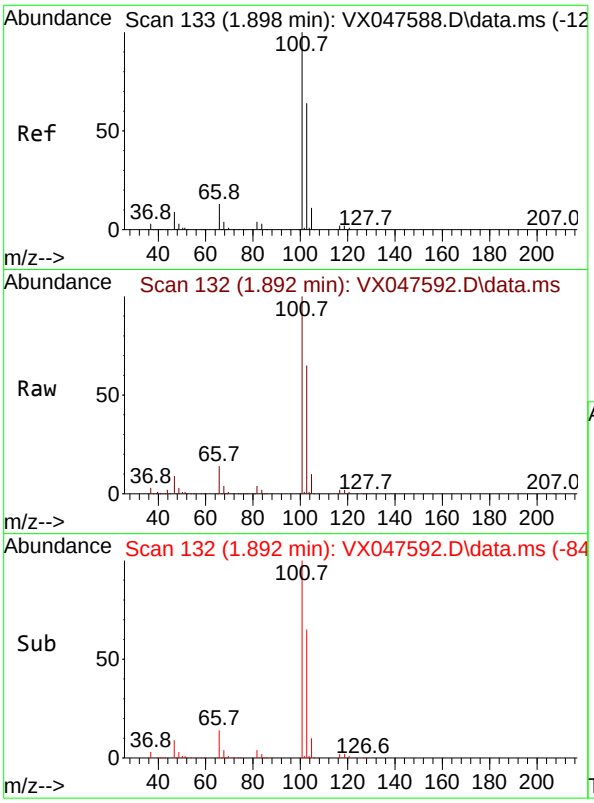



#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.1 | 39.1 |






#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

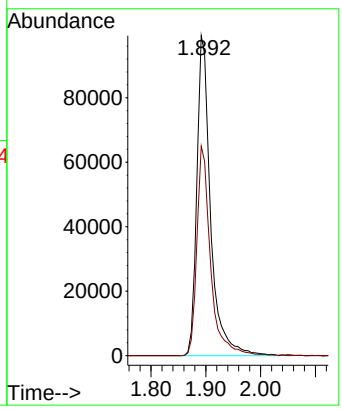
Tgt Ion:101 Resp: 17364

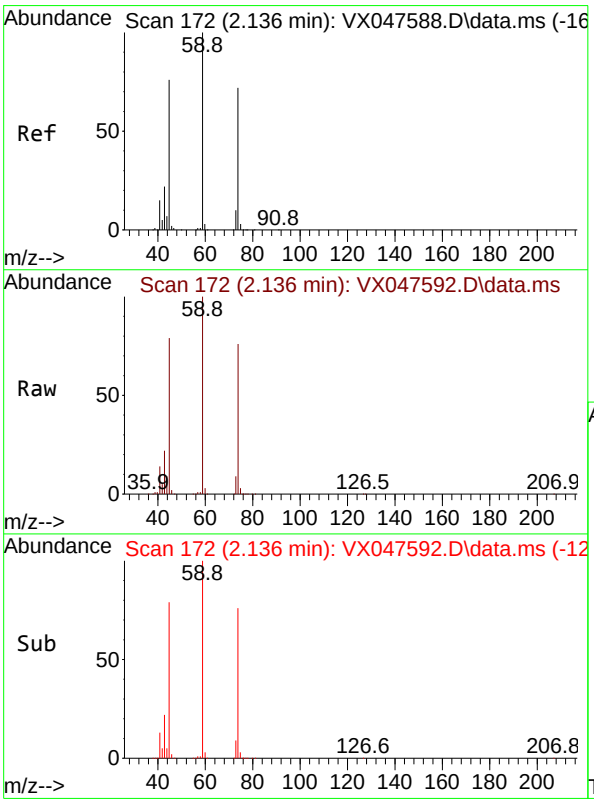
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.4 | 77.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

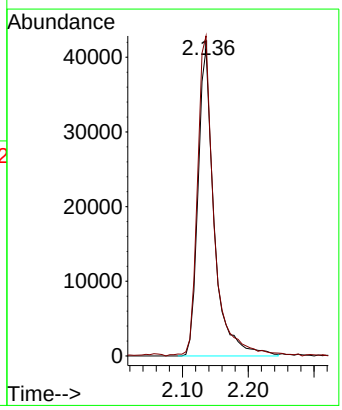


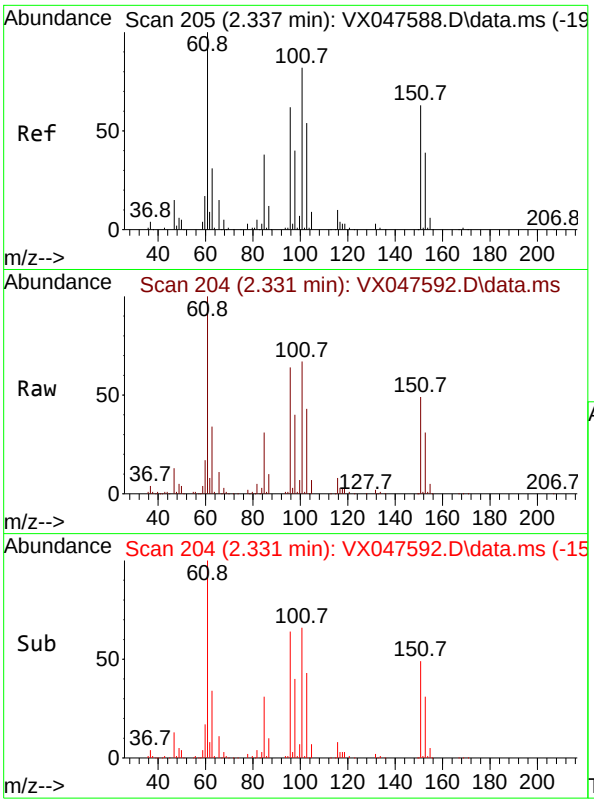




#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

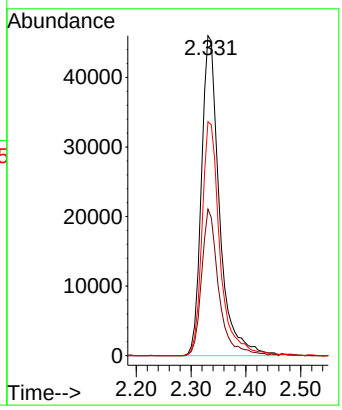
Tgt Ion:101 Resp: 10466

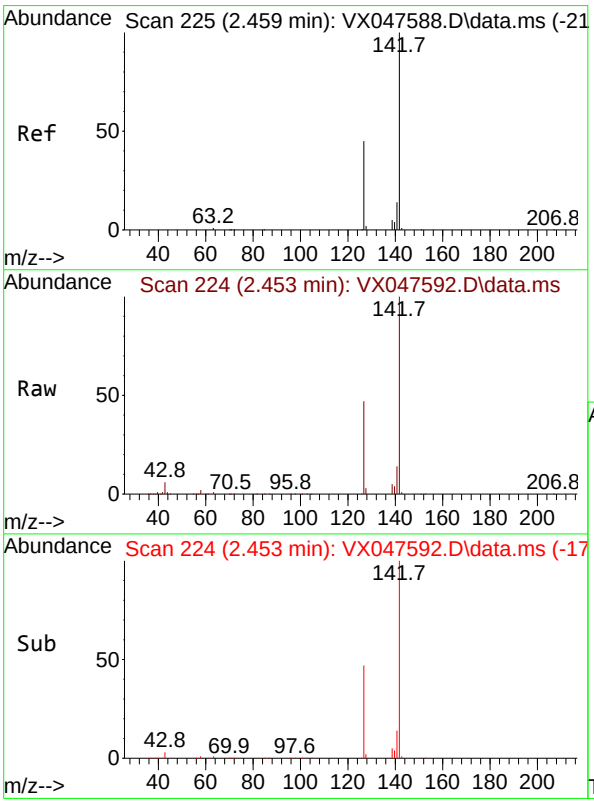
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.5 | 53.3 |
| 151 | 73.3 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

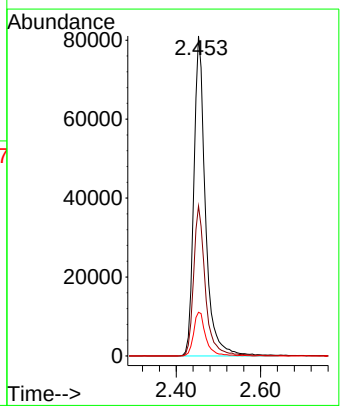


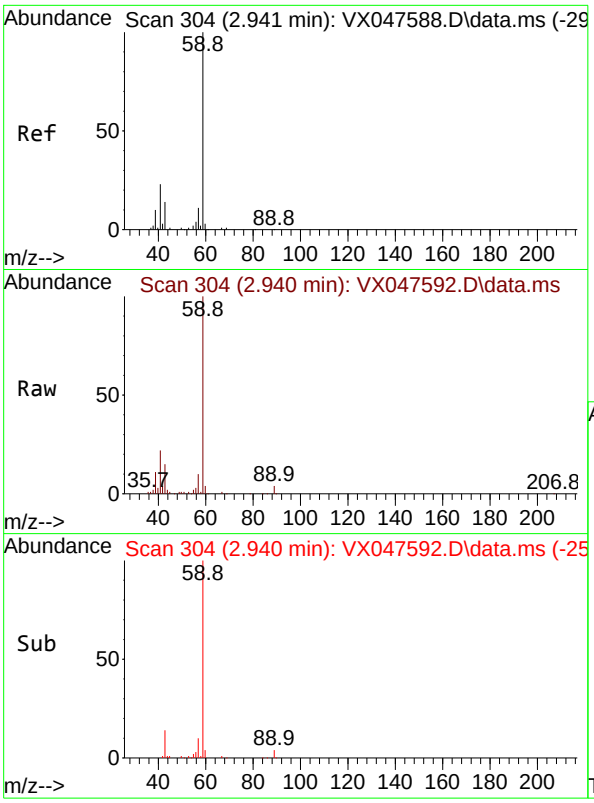




#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 37.2 | 55.8 |
| 141 | 14.4 | 11.4 | 17.0 |






#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 59 Resp: 8472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.3 | 12.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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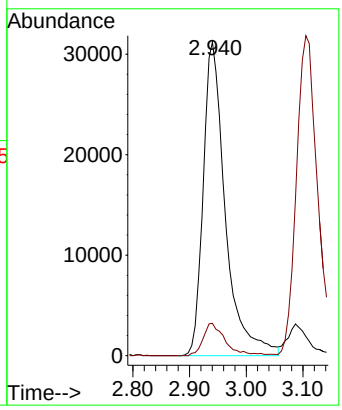
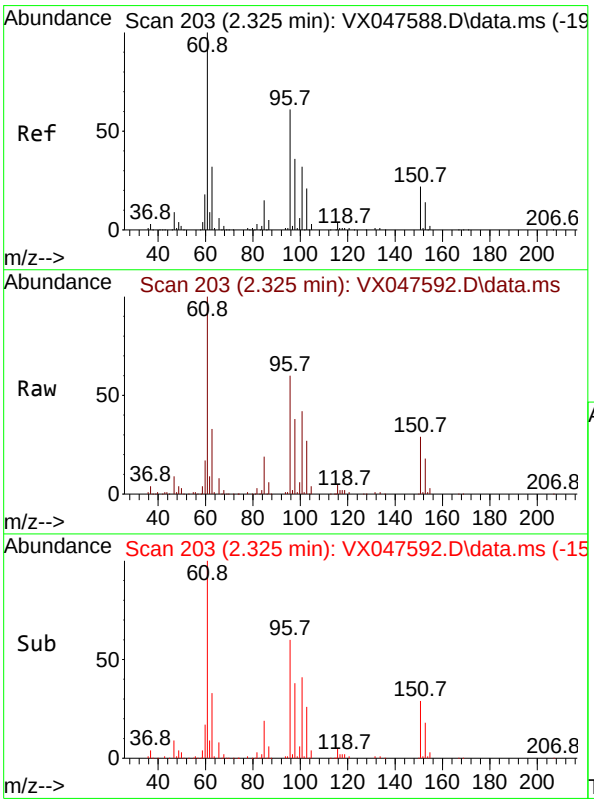
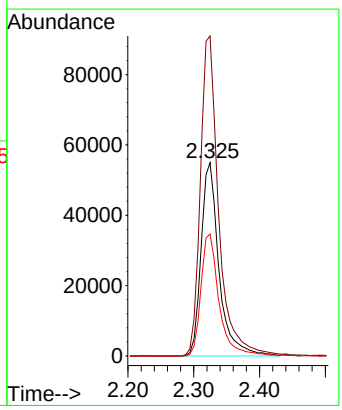


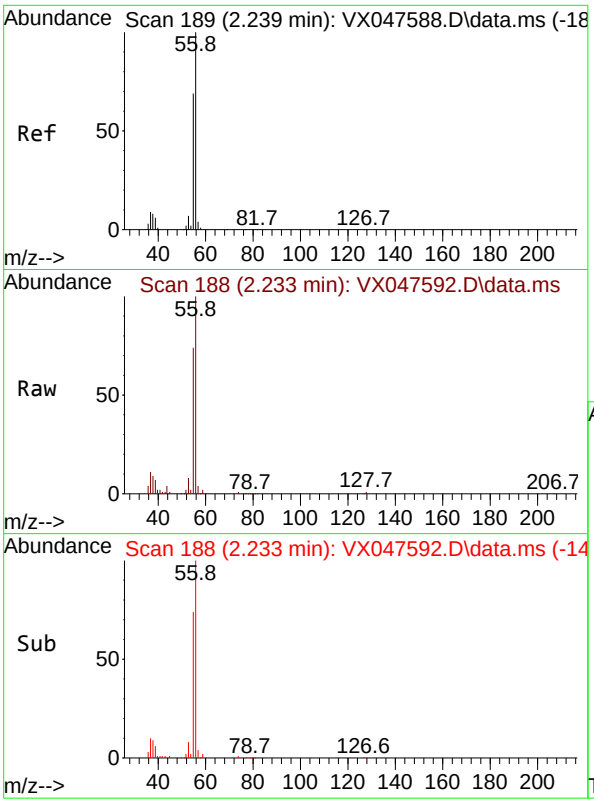




#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 131.0 | 196.6 |
| 98 | 63.1 | 47.7 | 71.5 |

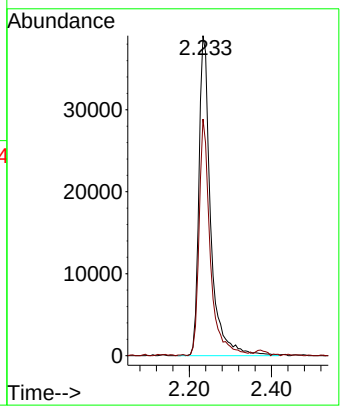





#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 7764

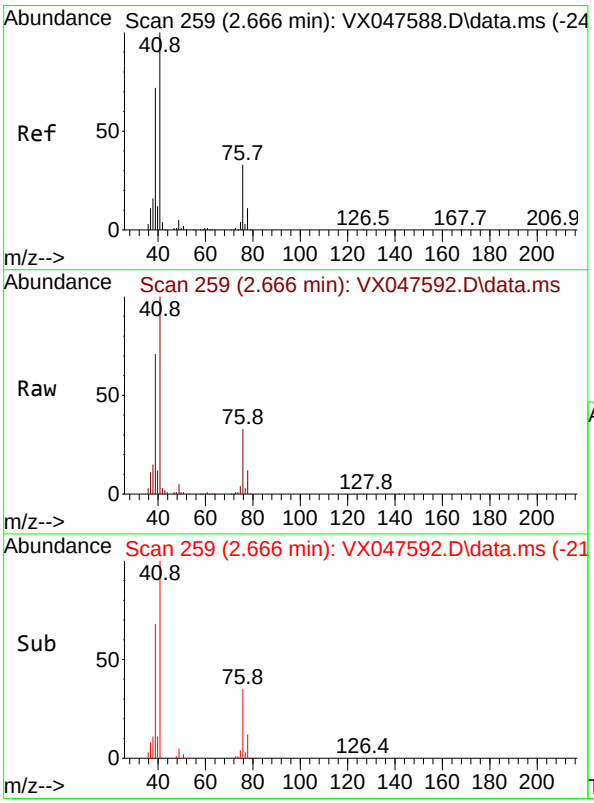
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

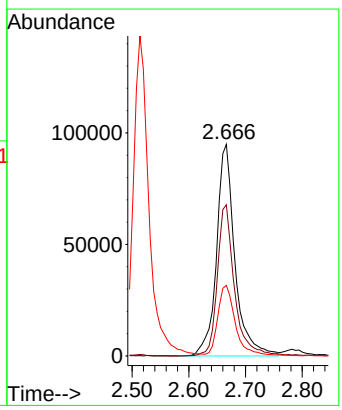
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

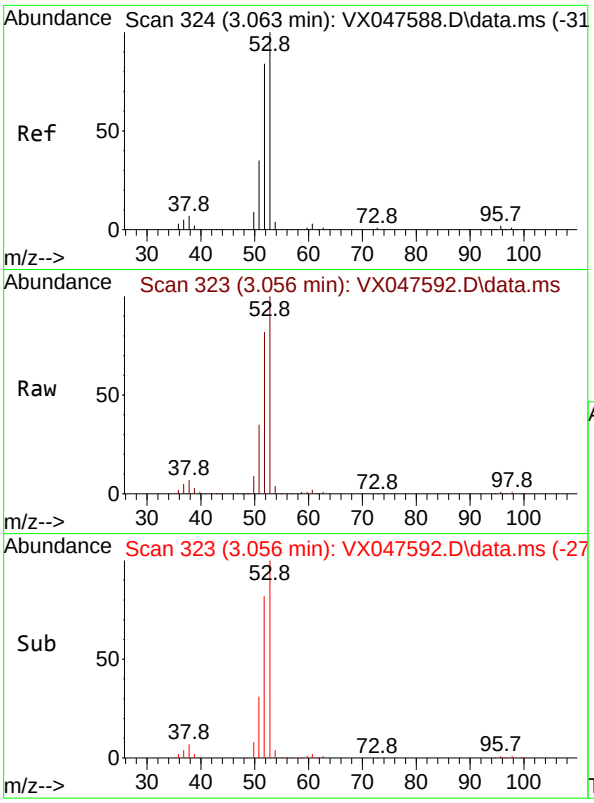



#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.2 | 54.7 | 82.1 |
| 76 | 31.7 | 25.7 | 38.5 |

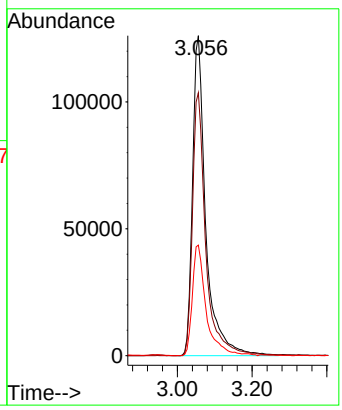





#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 53 Resp: 31050

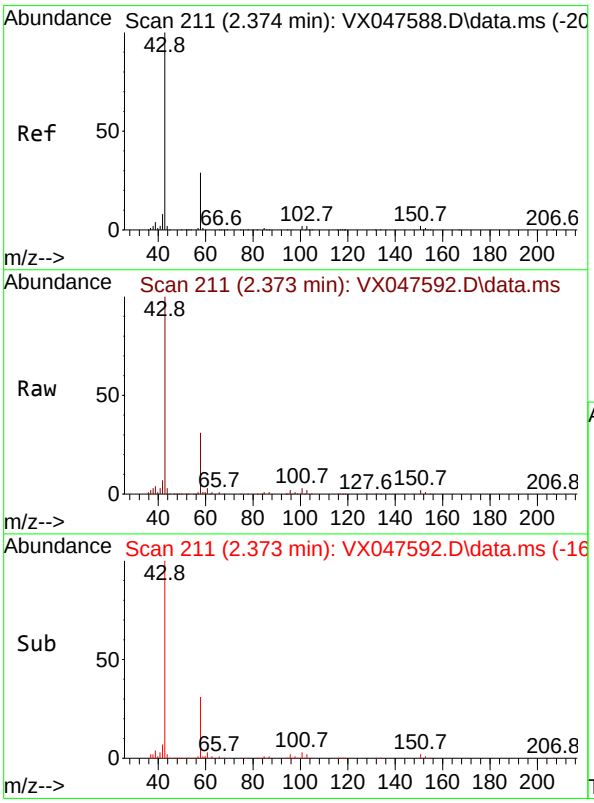
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

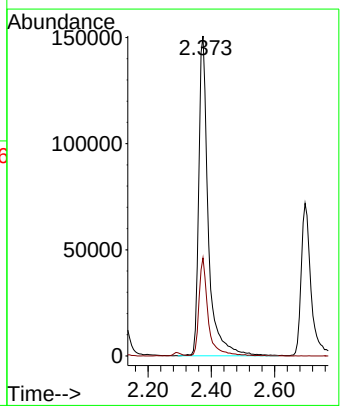
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

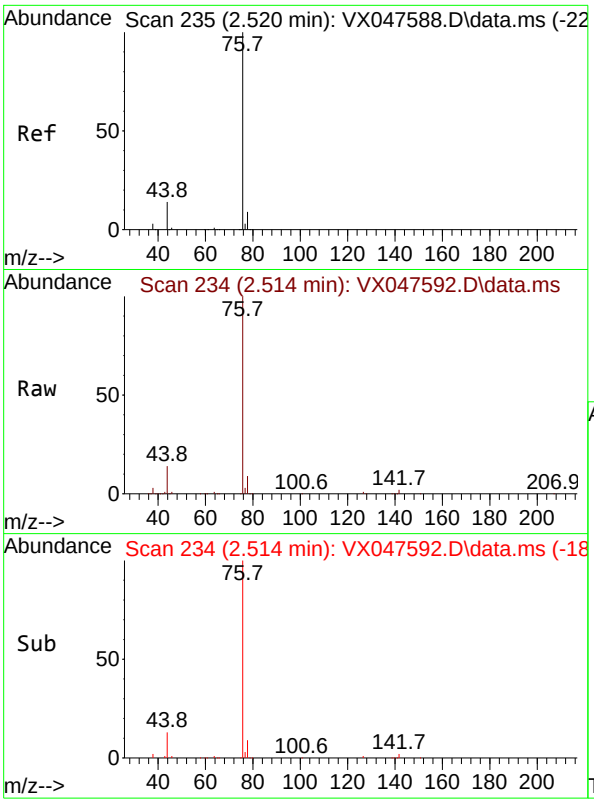



#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 23.4 | 35.0 |






#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

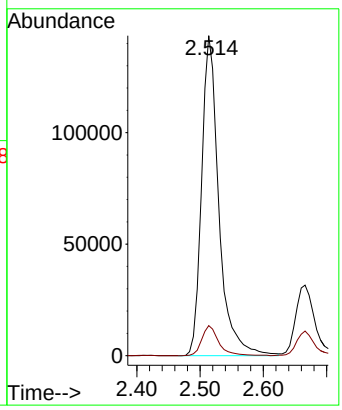
Tgt Ion: 76 Resp: 27274

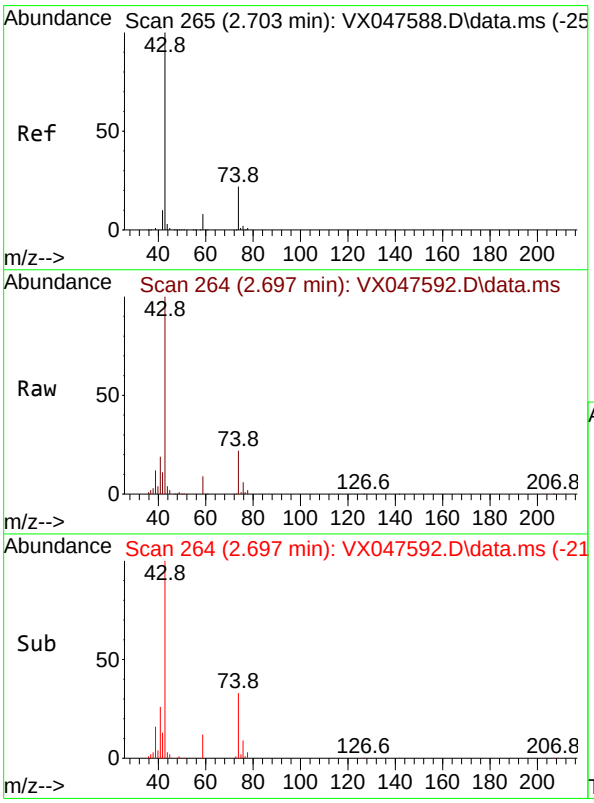
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 6.8 | 10.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

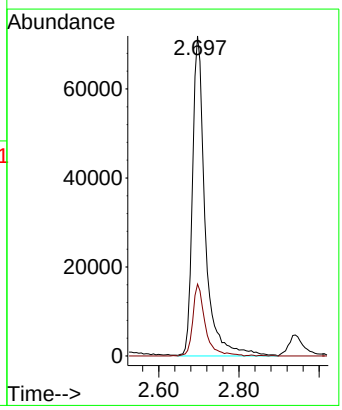


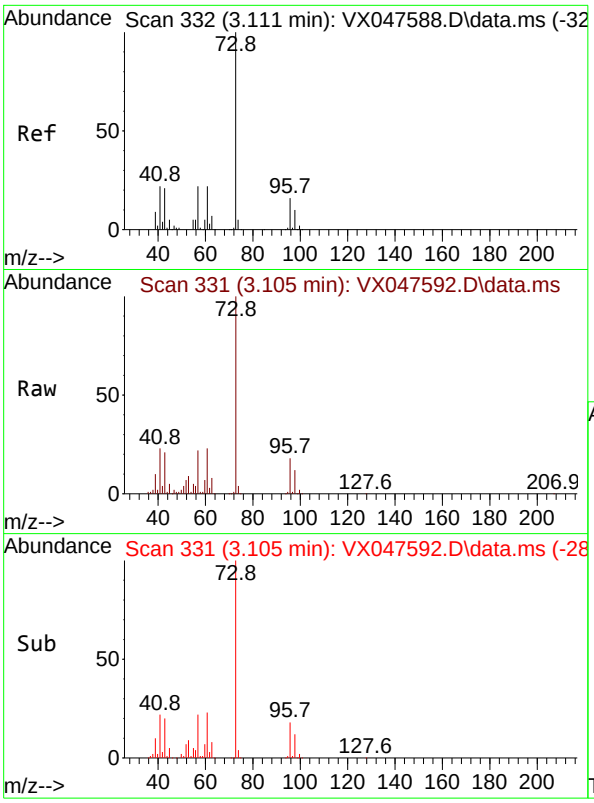




#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |

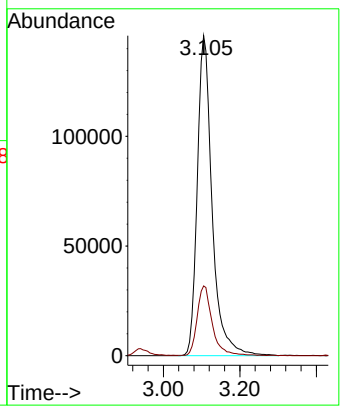





#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 73 Resp: 39257

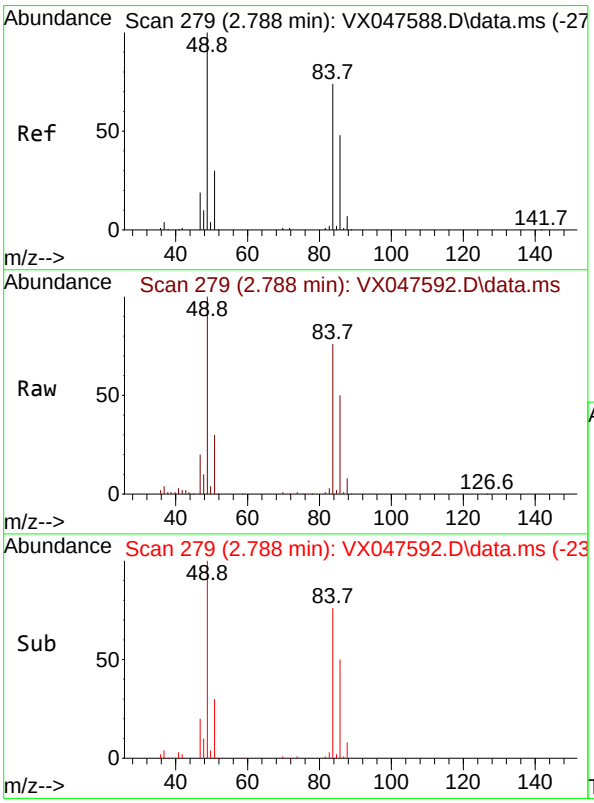
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

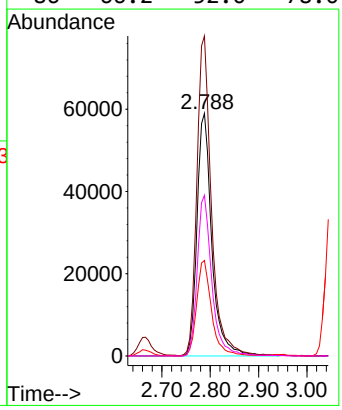
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

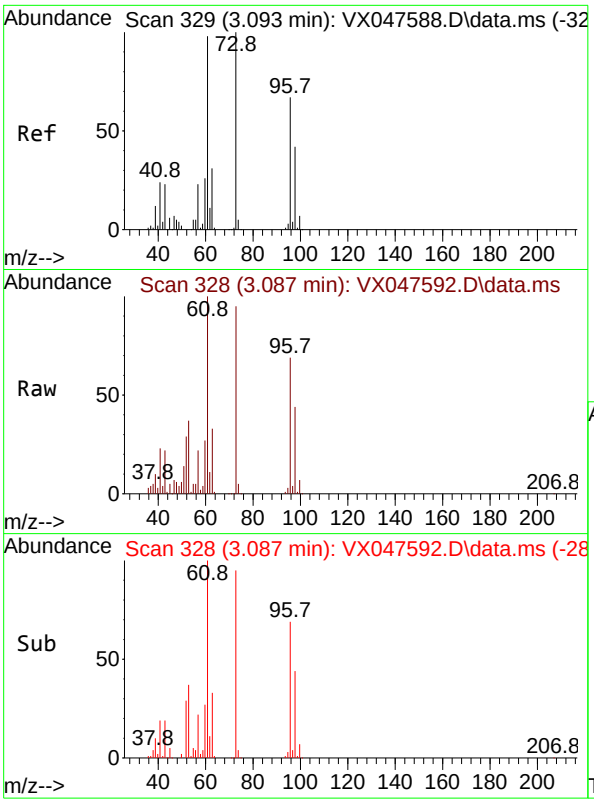



#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.8 | 108.6 | 162.8 |
| 51 | 39.4 | 32.6 | 48.8 |
| 86 | 66.2 | 52.0 | 78.0 |

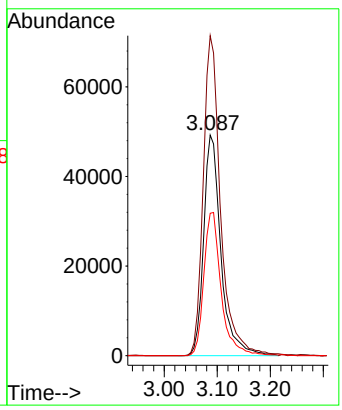





#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 11141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 116.2 | 174.2 |
| 98 | 64.5 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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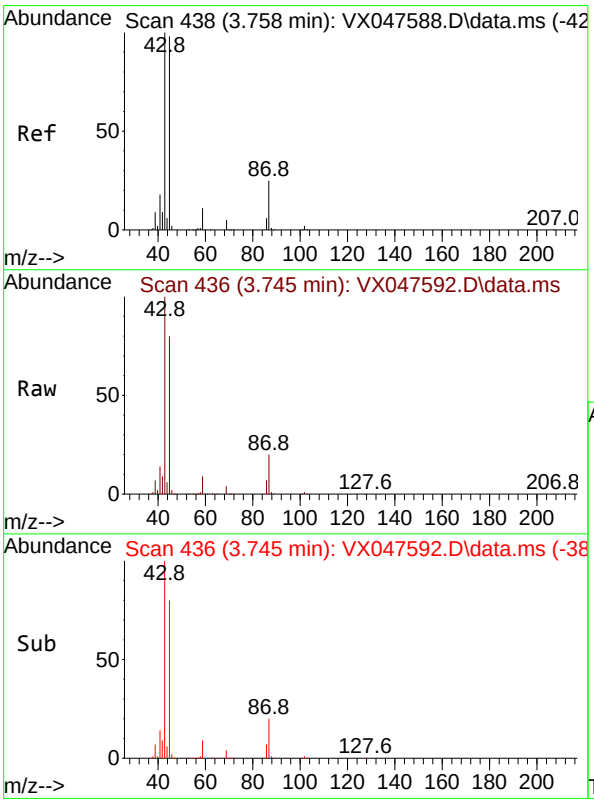
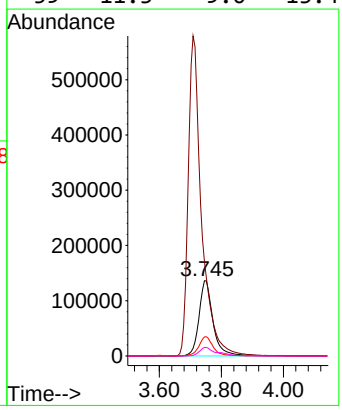
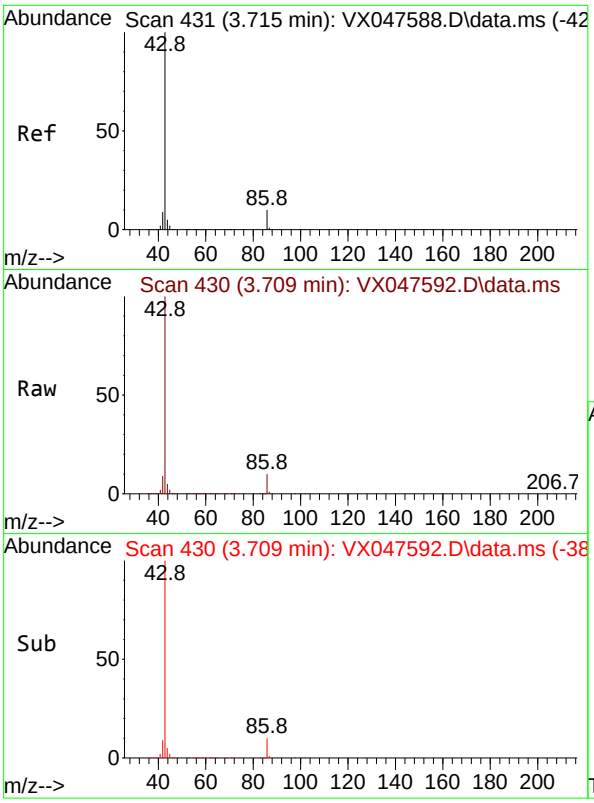



#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 124.9 | 81.0 | 121.4# |
| 87 | 25.2 | 20.3 | 30.5 |
| 59 | 11.3 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 174126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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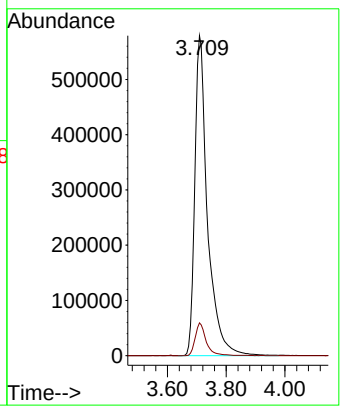
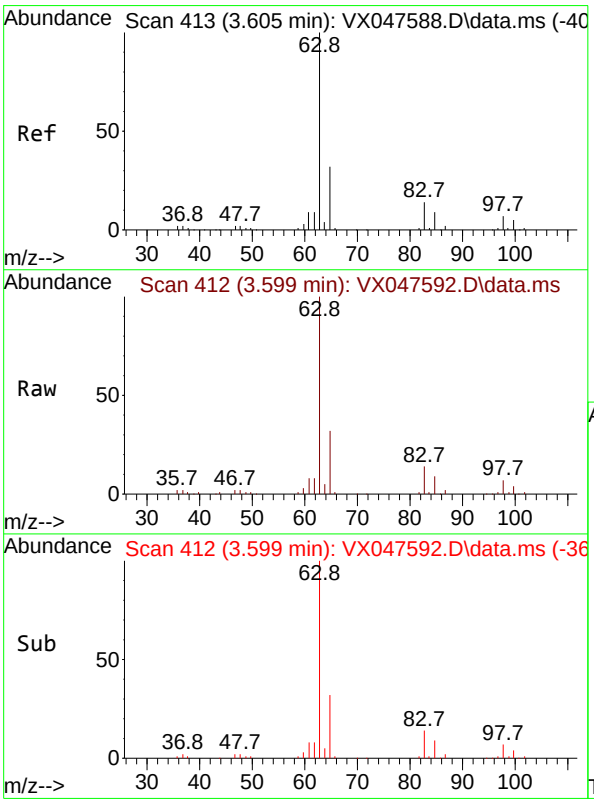
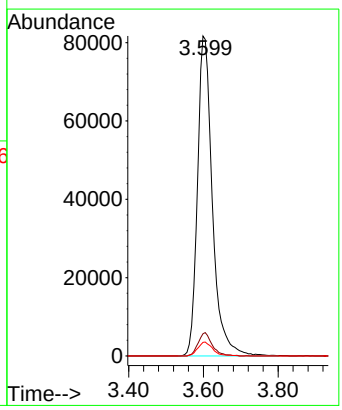


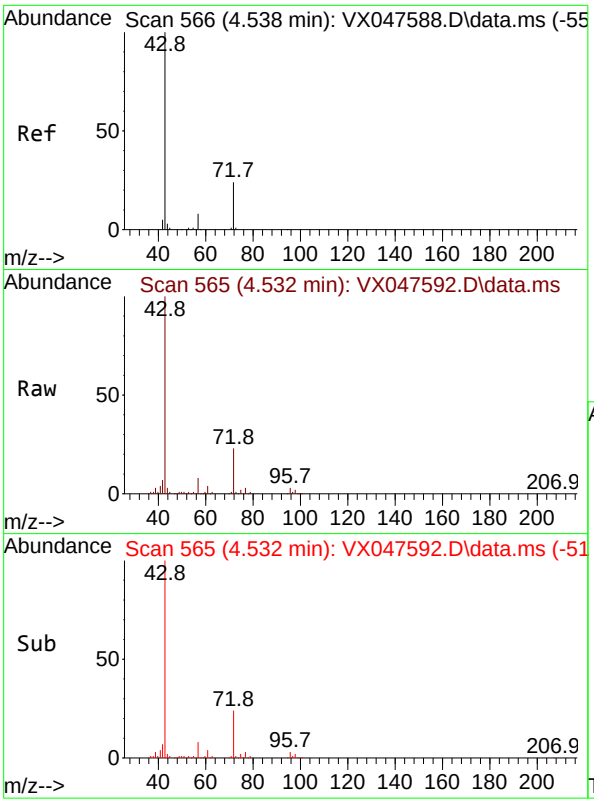




#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 40827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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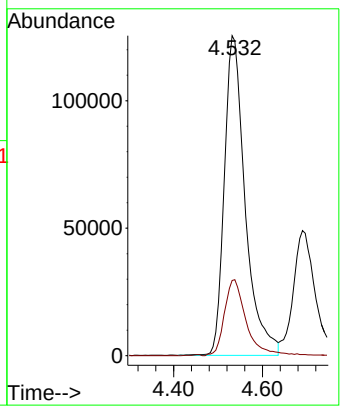
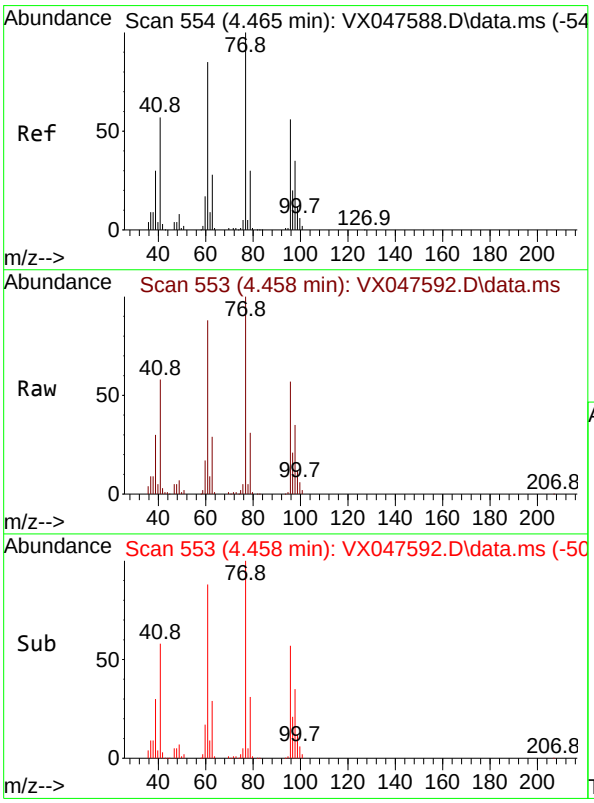
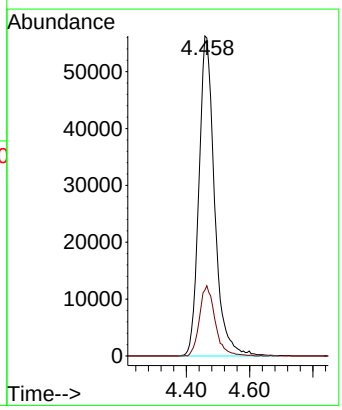


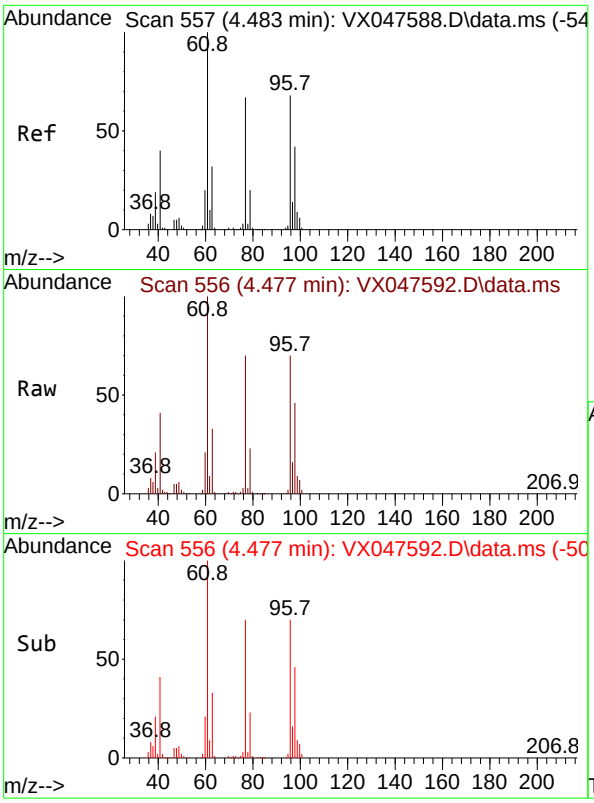




#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.9 | 32.7 |






#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 14263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 0.0 | 303.2 |
| 98 | 64.3 | 0.0 | 127.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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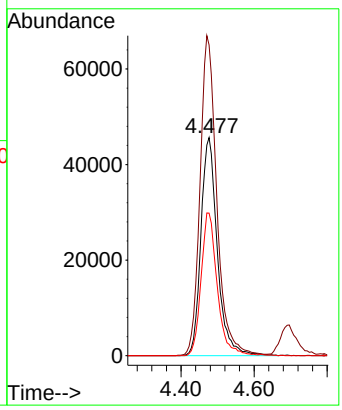
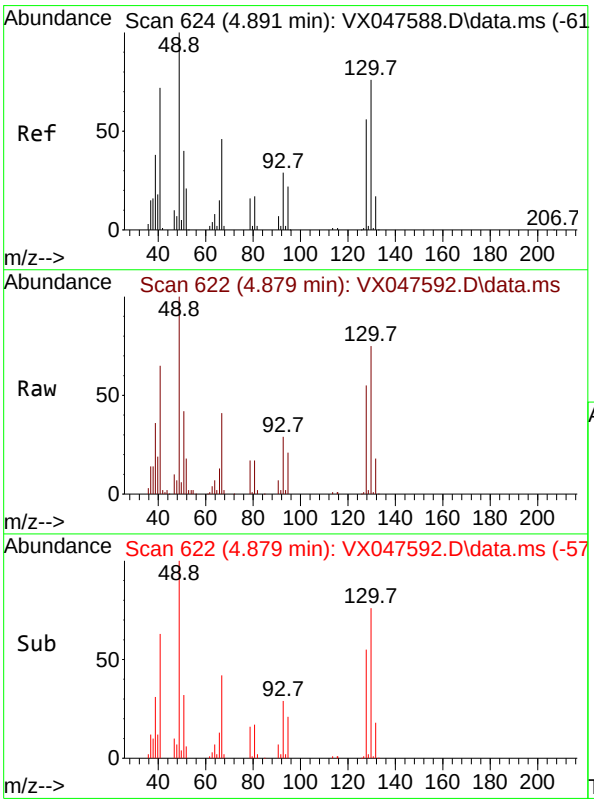
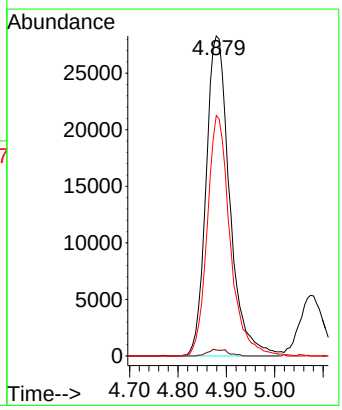


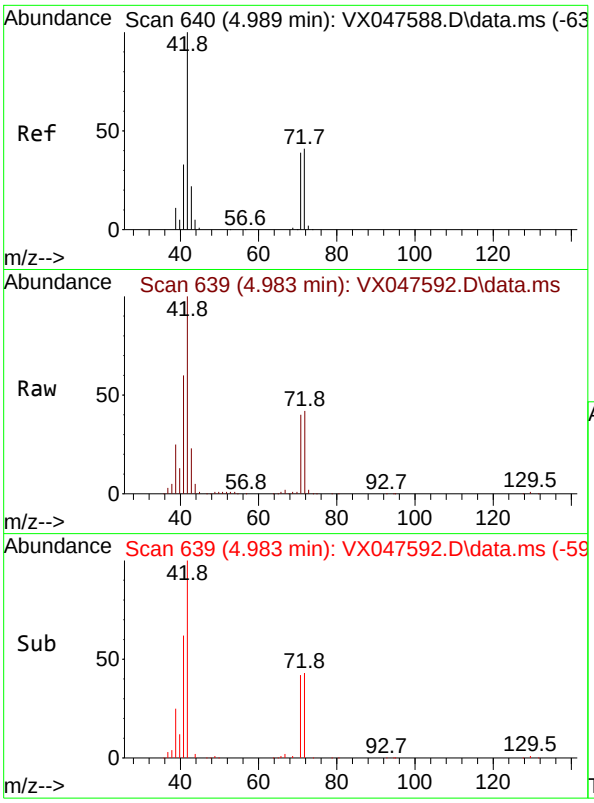




#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.2 |
| 130 | 72.9 | 57.8 | 86.8 |

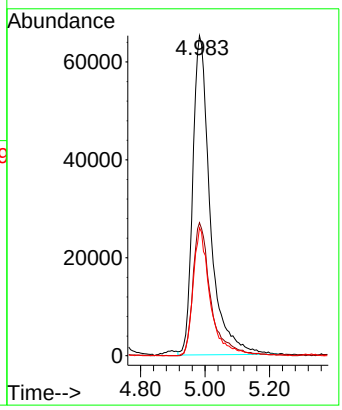





#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 42 Resp: 24539

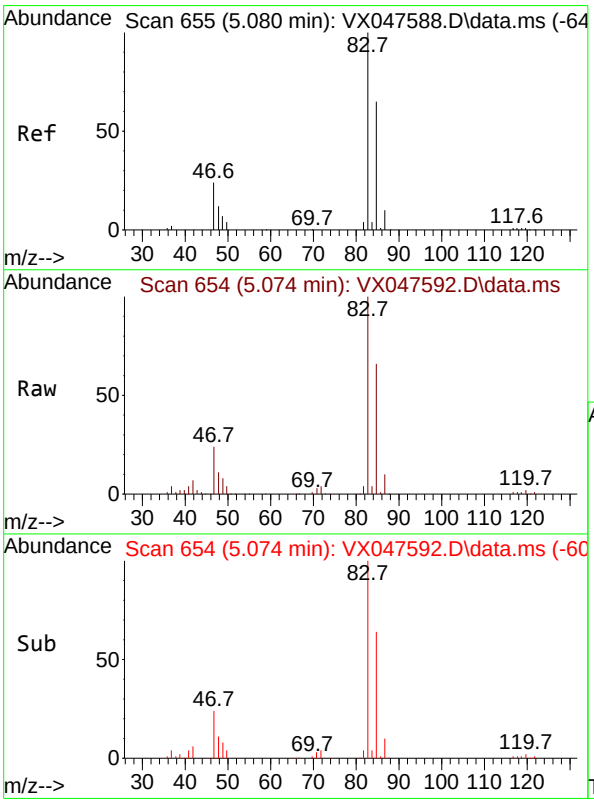
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.2 | 51.2 |
| 71 | 38.9 | 31.9 | 47.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

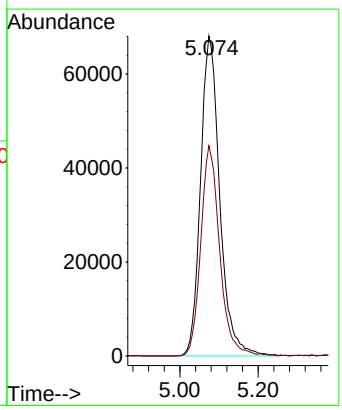
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

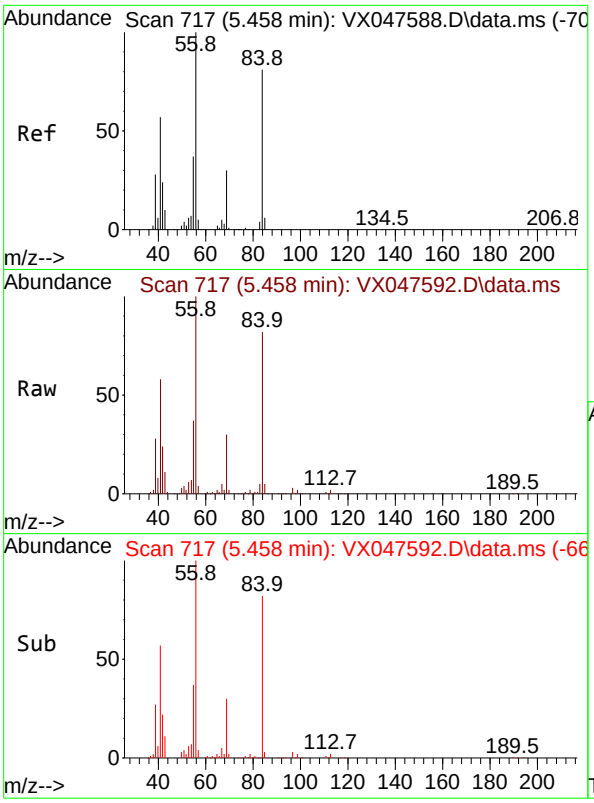



#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.8 | 77.6 |

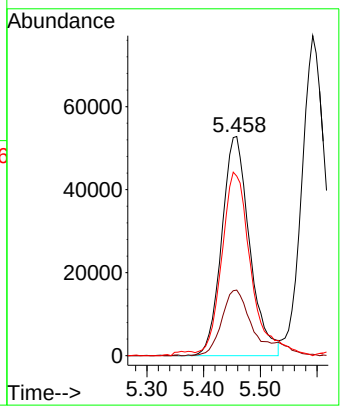





#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 56 Resp: 18043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.6 | 23.8 | 35.8 |
| 84 | 80.3 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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Reviewed By :John Carlone 09/17/2025
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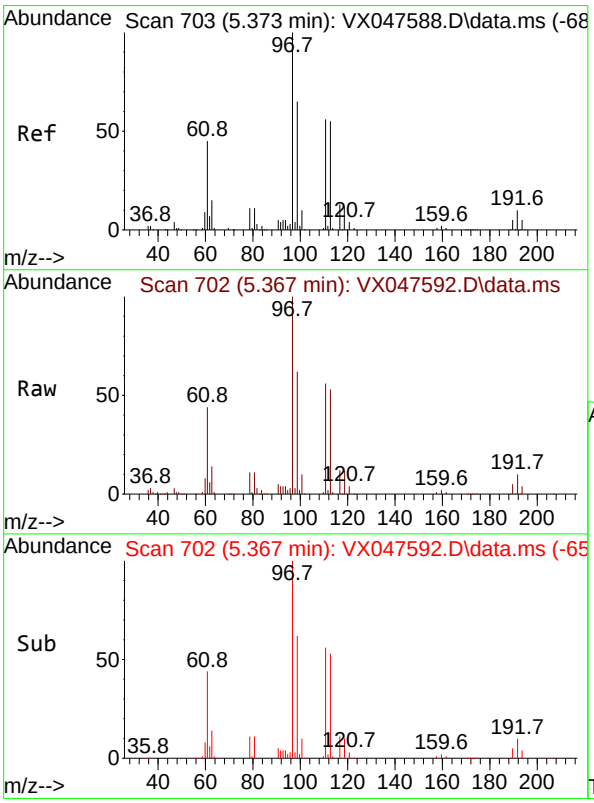
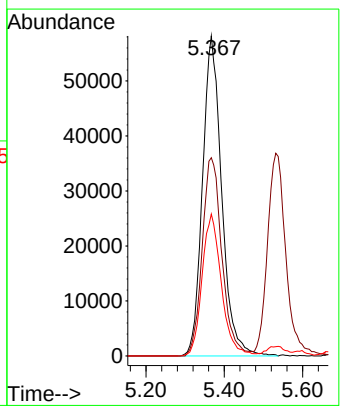
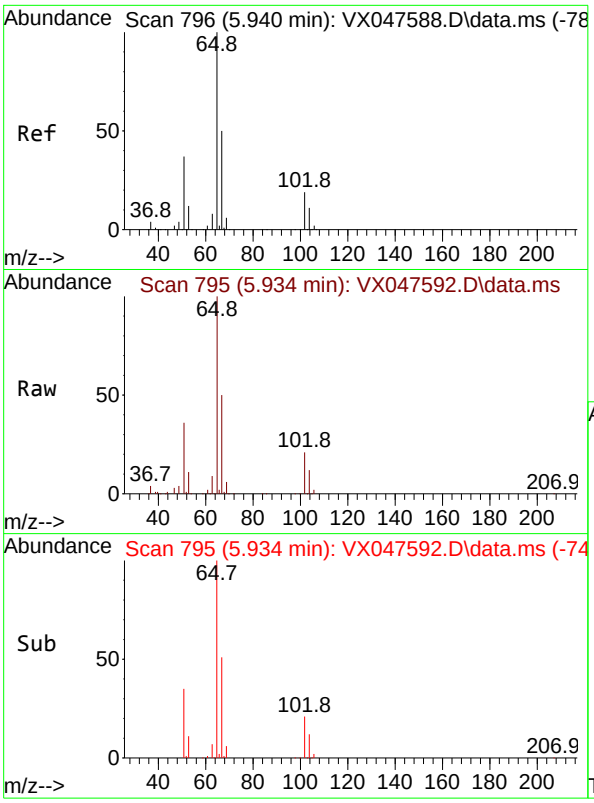



#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.6 | 76.0 |
| 61 | 44.6 | 35.8 | 53.8 |

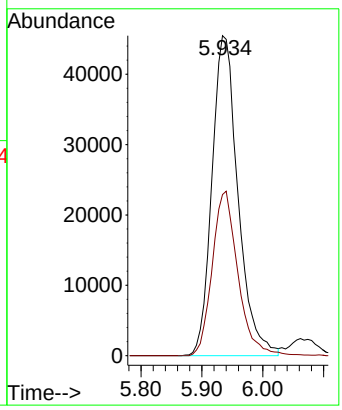





#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 65 Resp: 13520

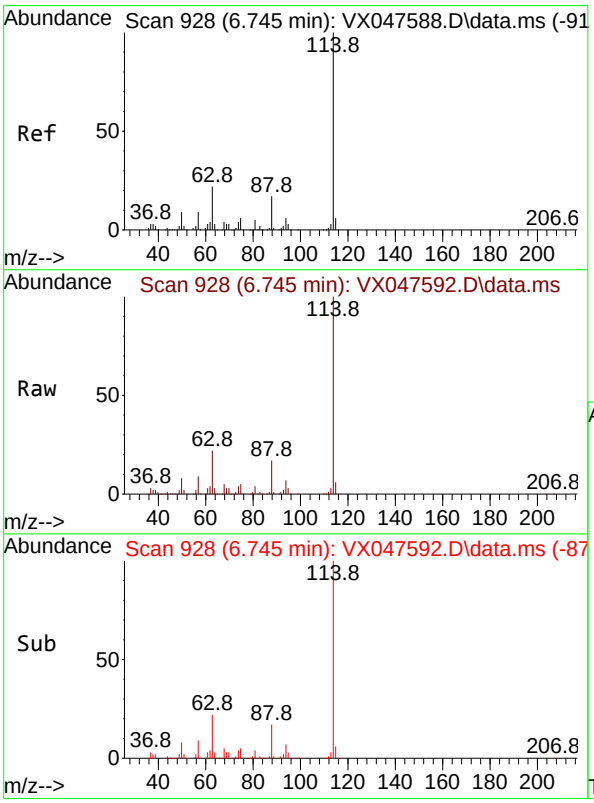
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

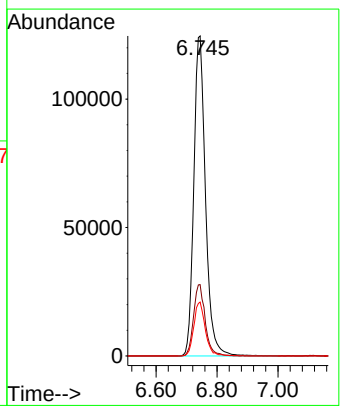
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

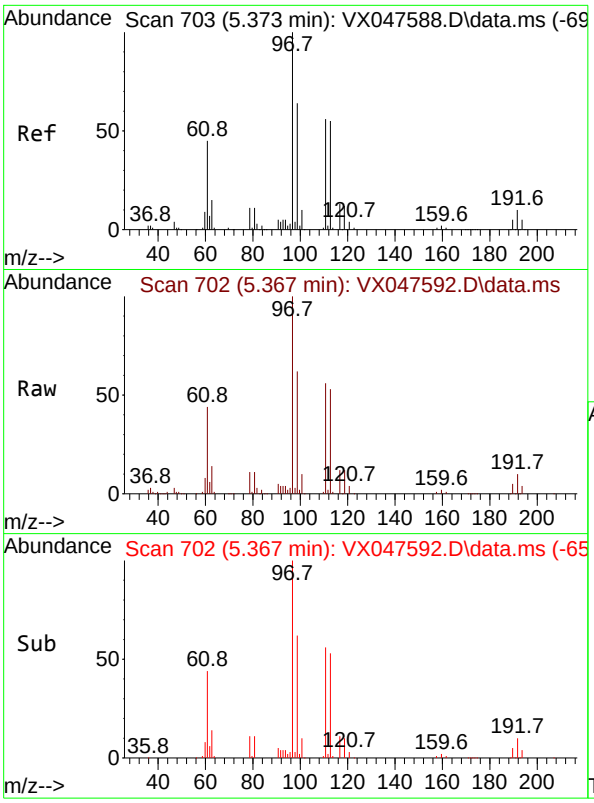



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |

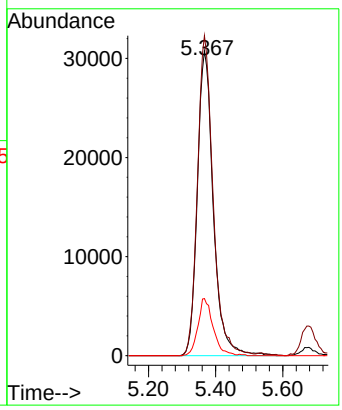





#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:113 Resp: 10139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |




**Instrument :**
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ICVVX091625

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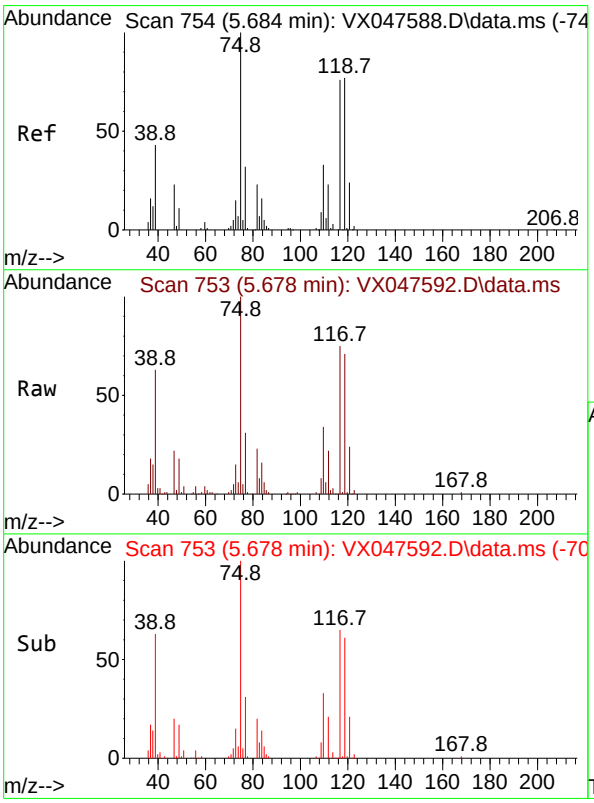
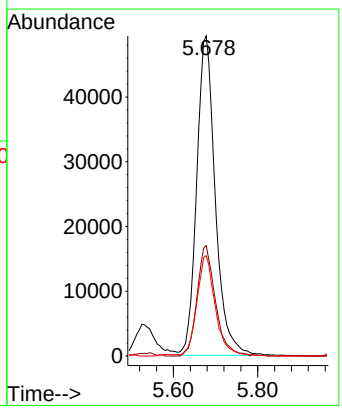
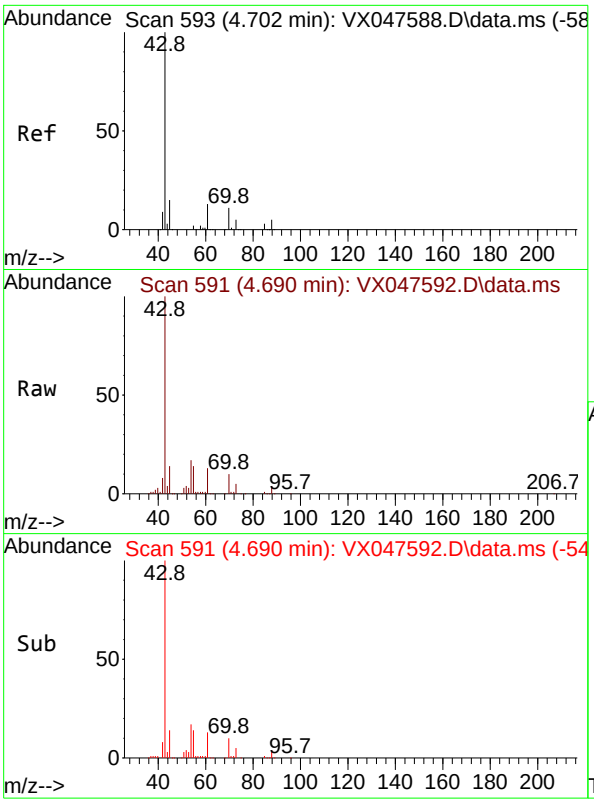



#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 31.0 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 17145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.8 | 9.8 | 14.8 |
| 70 | 9.8 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
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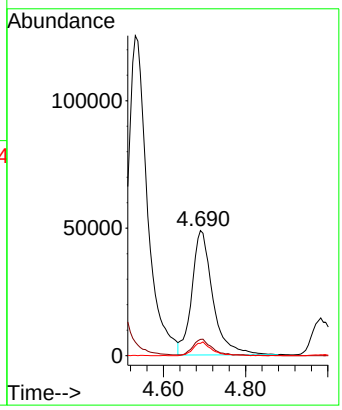
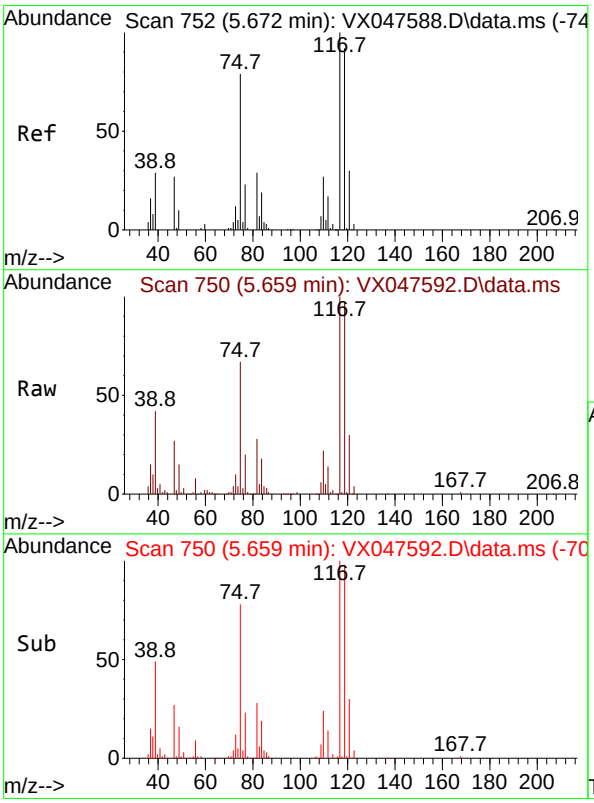
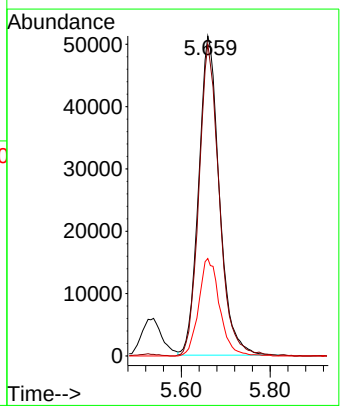


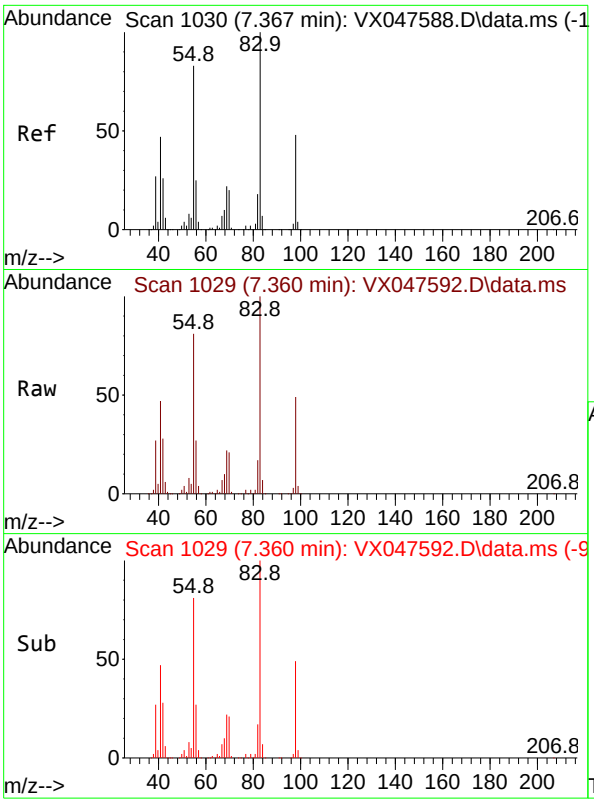




#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.6 | 73.4 | 110.2 |
| 121 | 30.5 | 23.8 | 35.6 |

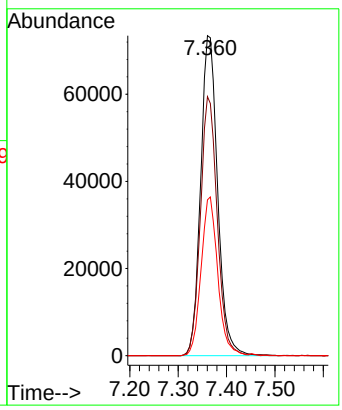





#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 17939

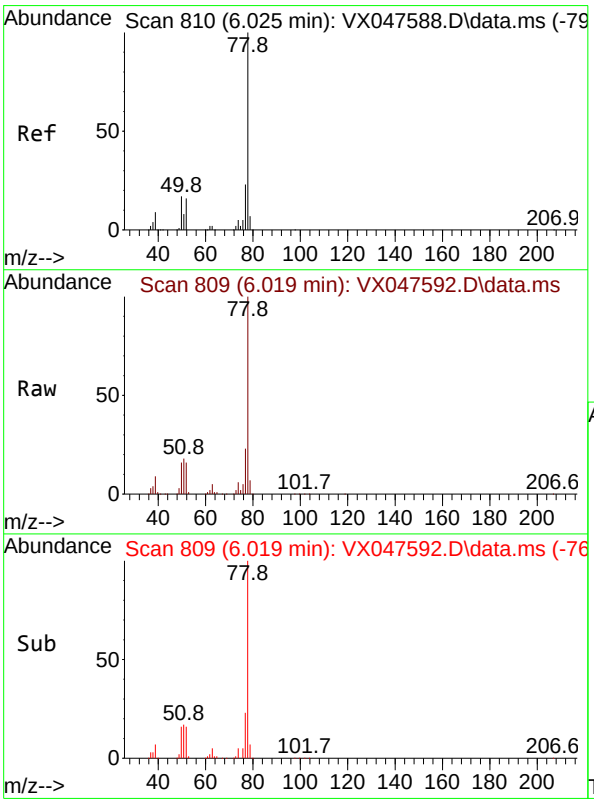
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.0 | 66.4 | 99.6 |
| 98 | 48.7 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

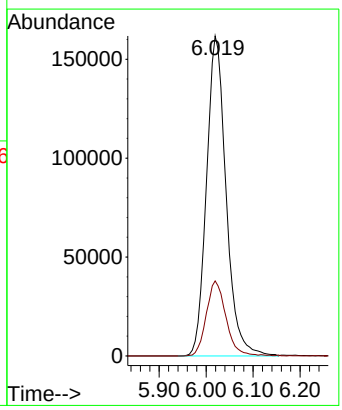
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

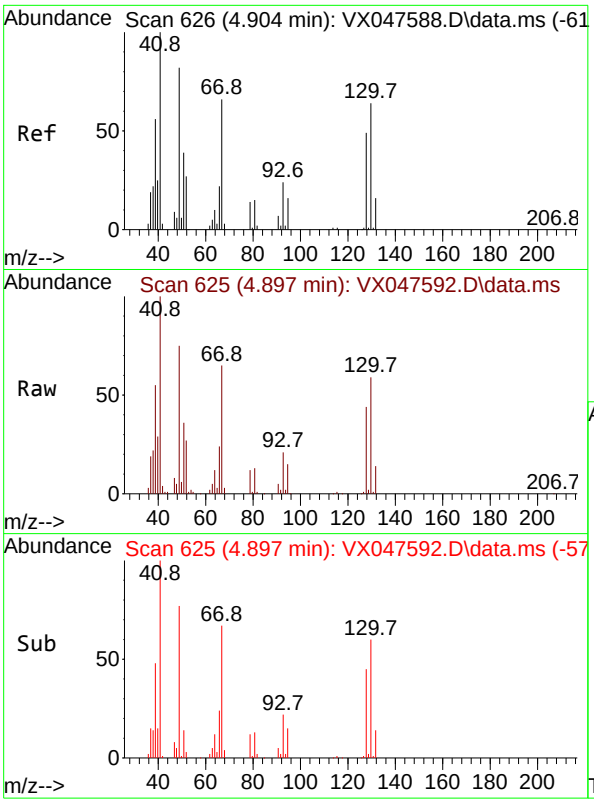



#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

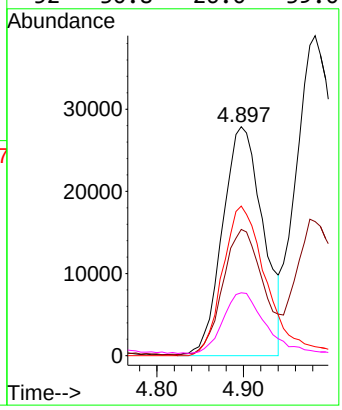





#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 9075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.9 | 43.3 | 64.9 |
| 67 | 72.5 | 58.6 | 87.8 |
| 52 | 30.8 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
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ICVVX091625

**Manual Integrations**
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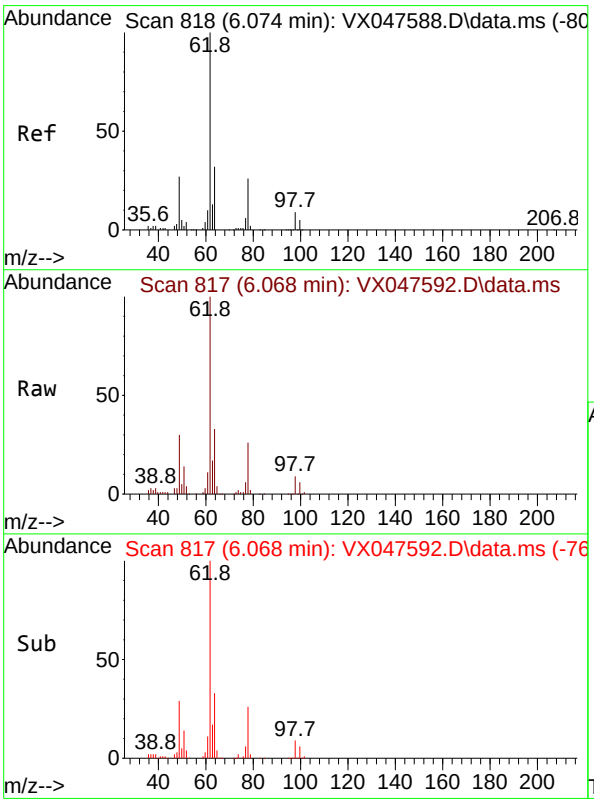
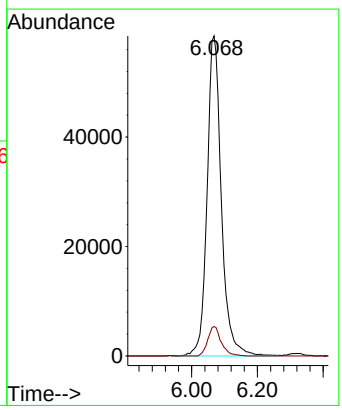
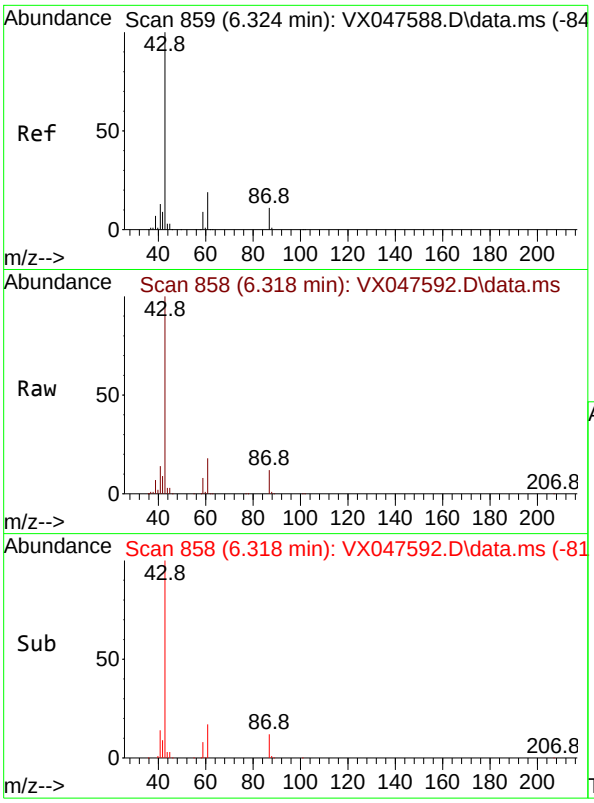



#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |

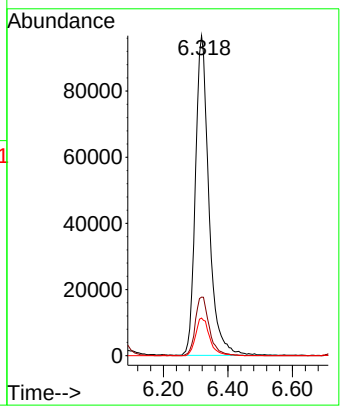





#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 28059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.2 | 22.8 |
| 87 | 12.2 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
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ICVVX091625

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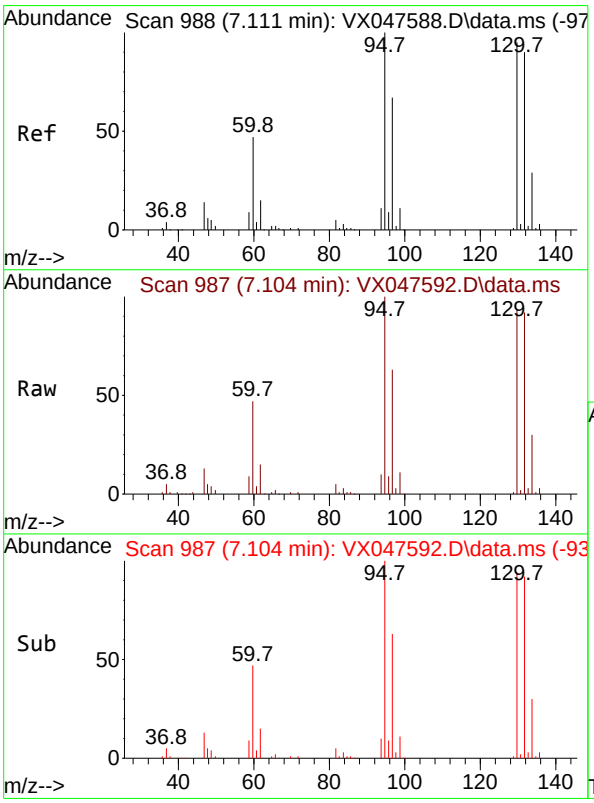
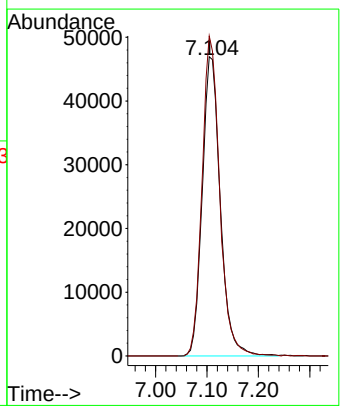
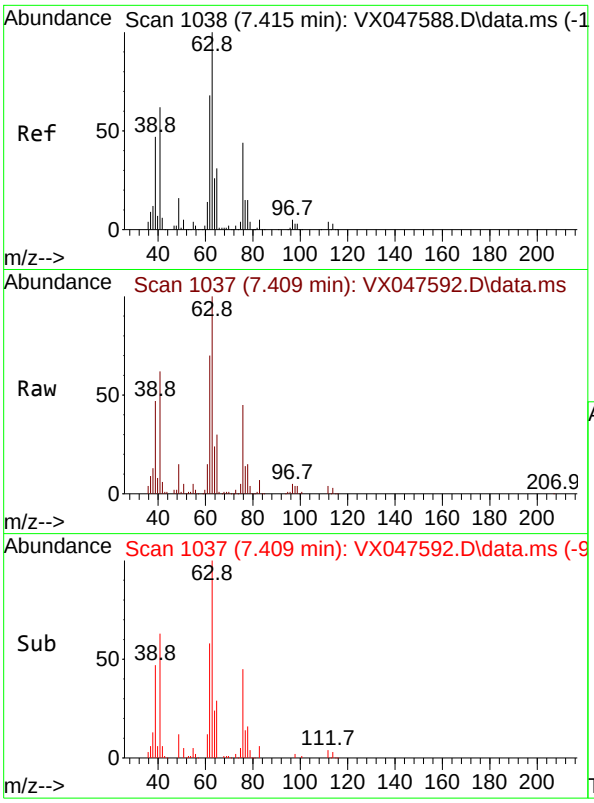



#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.0 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 12153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.7 | 37.1 |

**Instrument :**
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ICVVX091625

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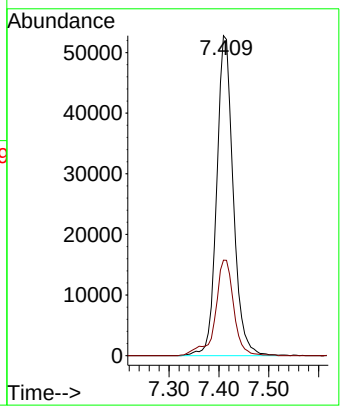
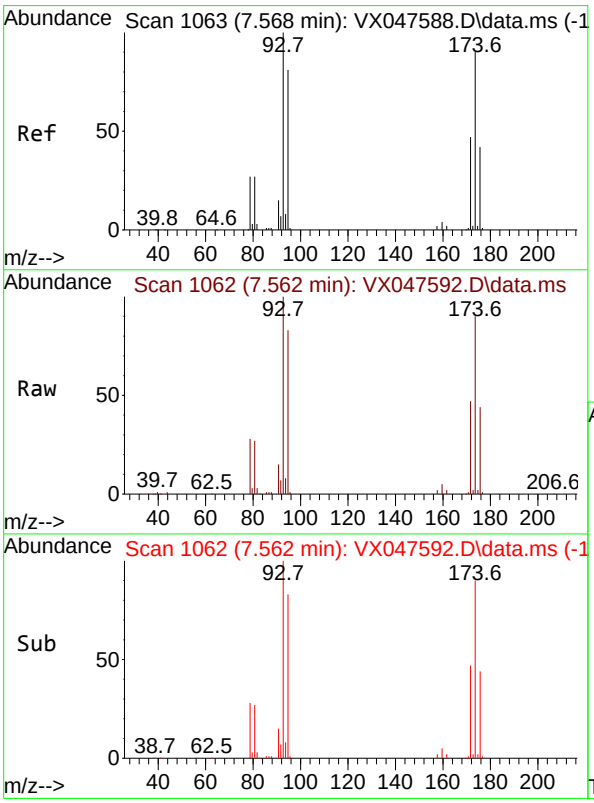
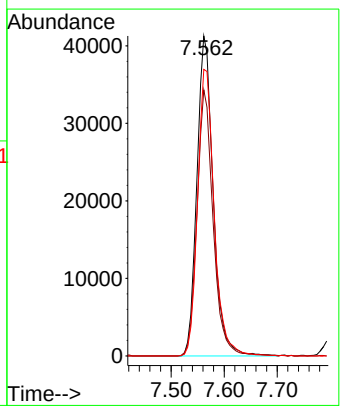


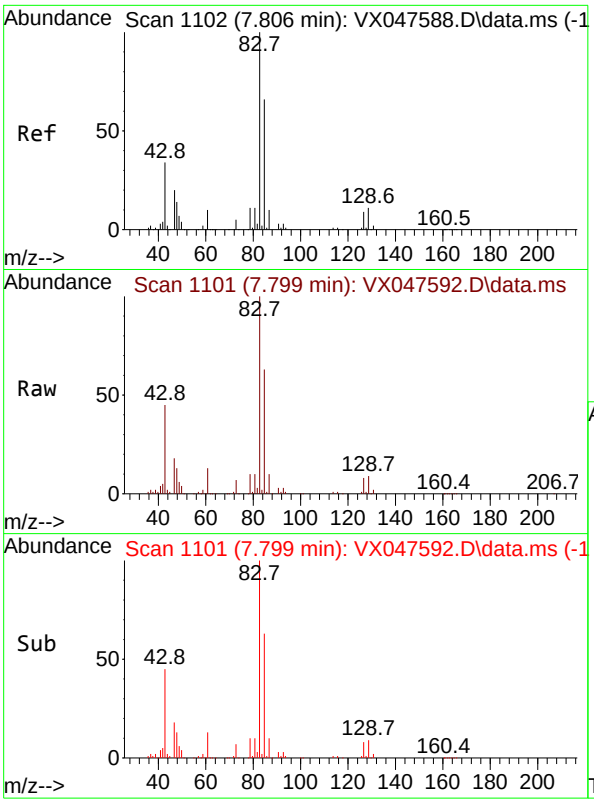




#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 91.3 | 71.6 | 107.4 |

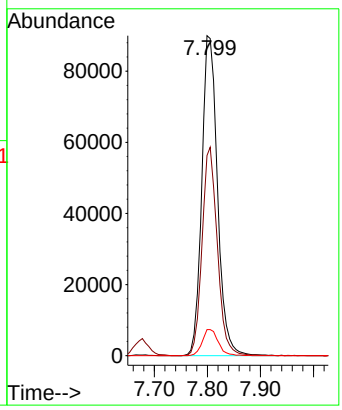





#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 18521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 52.5 | 78.7 |
| 127 | 8.1 | 6.9 | 10.3 |

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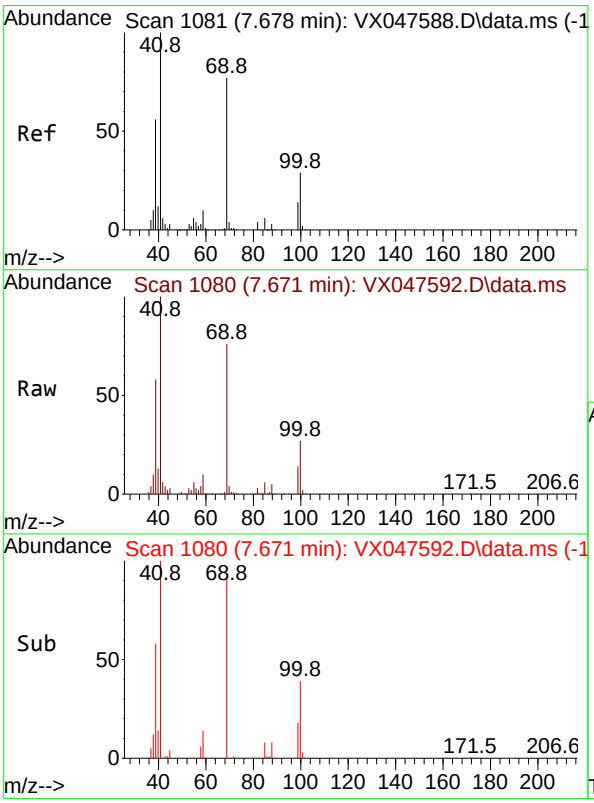
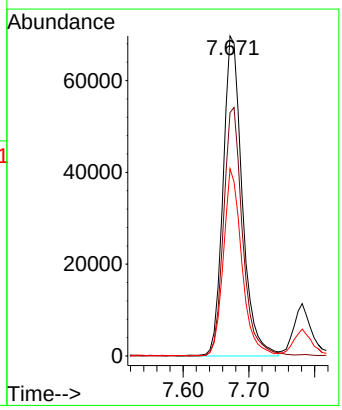
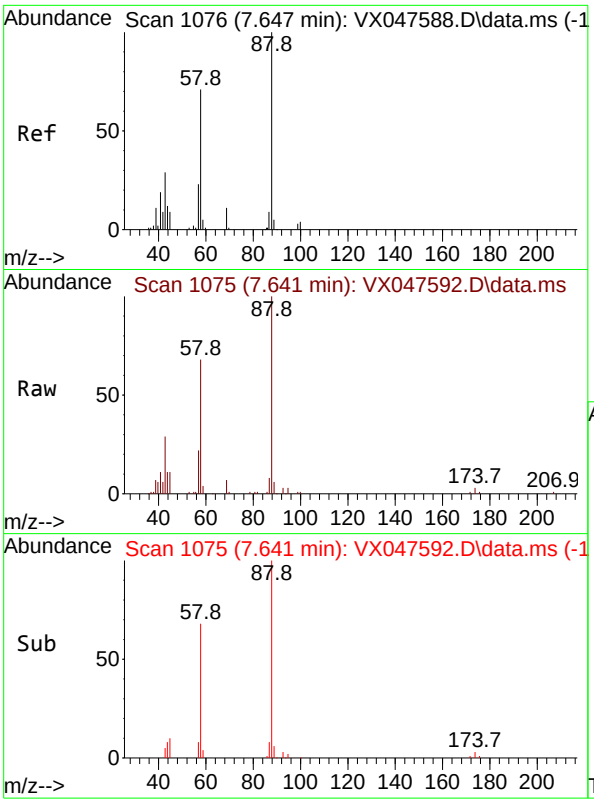



#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.1 | 61.4 | 92.2 |
| 39 | 56.4 | 45.8 | 68.6 |

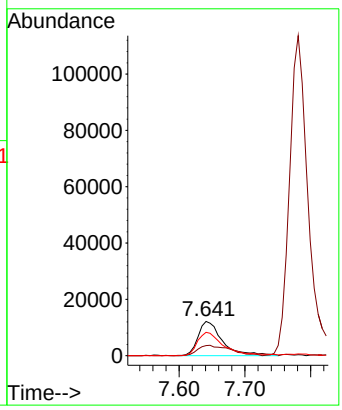





#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 88 Resp: 3132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.9 | 30.2 | 45.2 |
| 58 | 74.1 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

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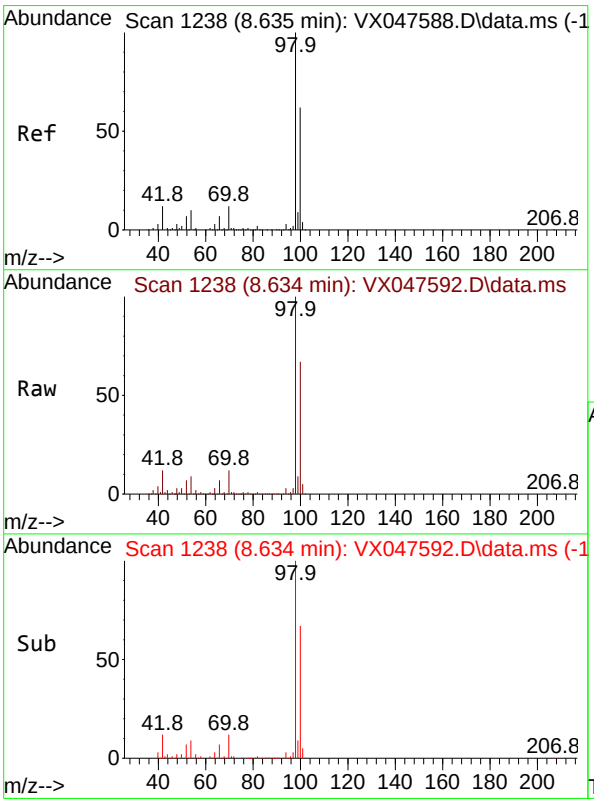
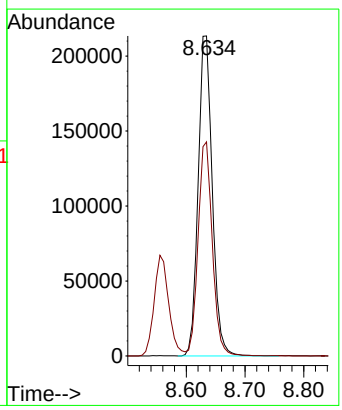
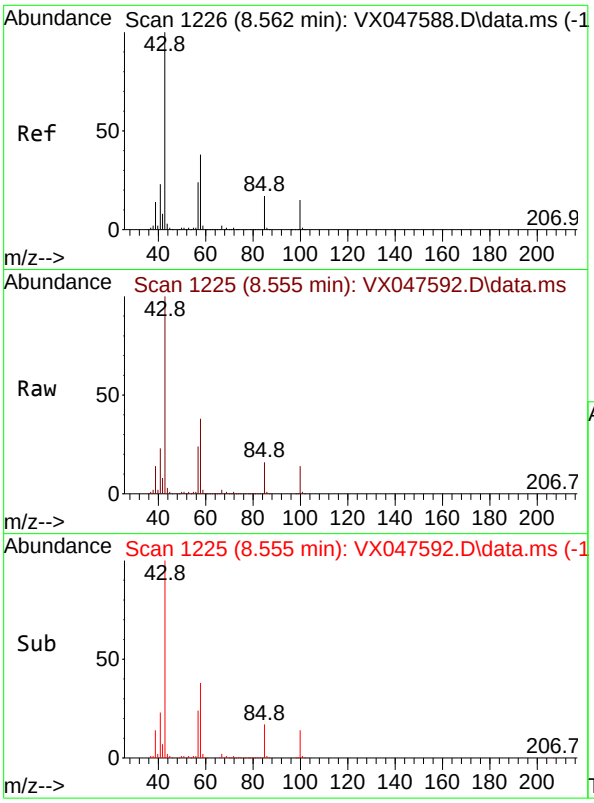



#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |

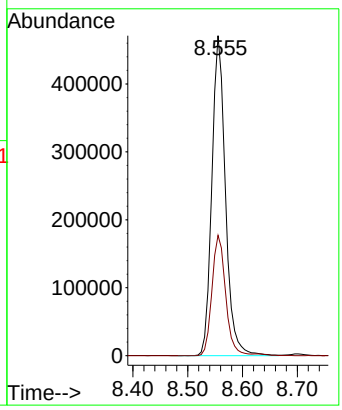





#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 80975

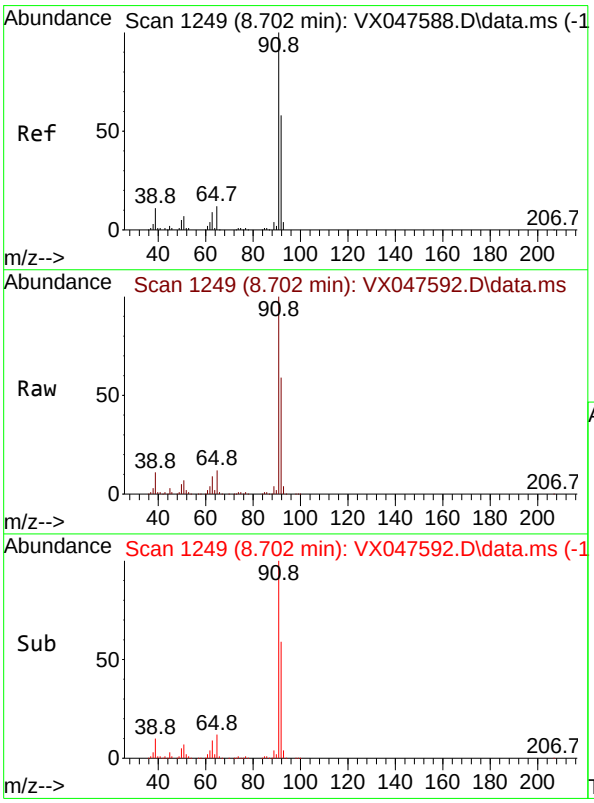
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

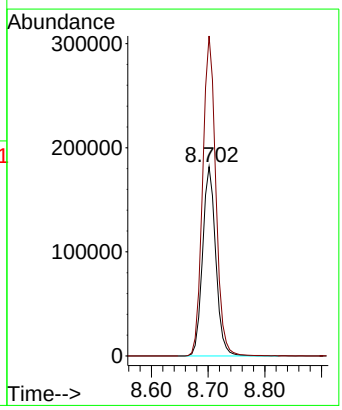
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

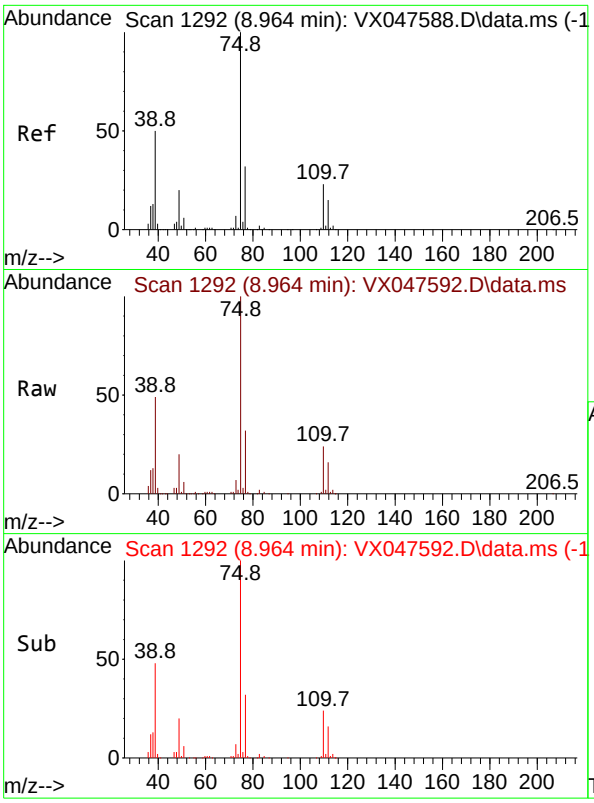



#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.4 | 137.1 | 205.7 |

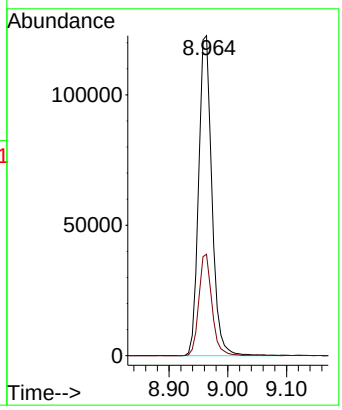





#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 19186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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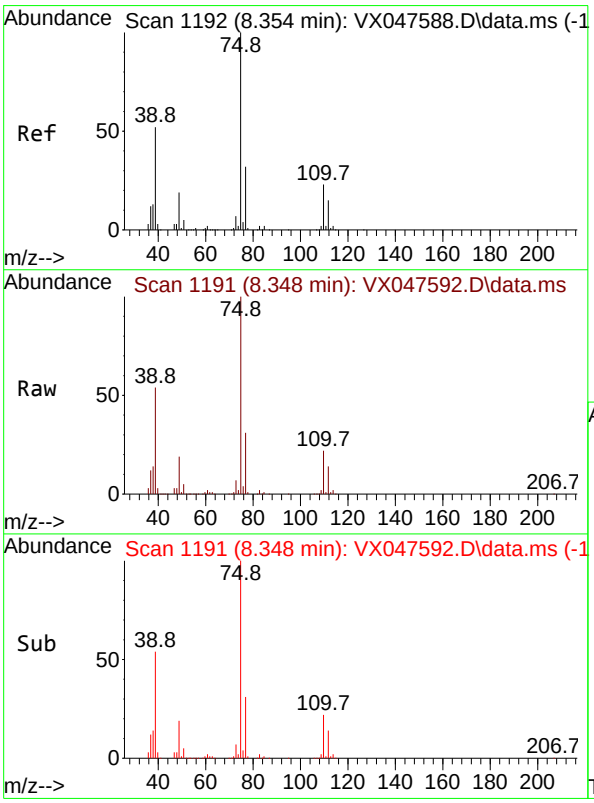
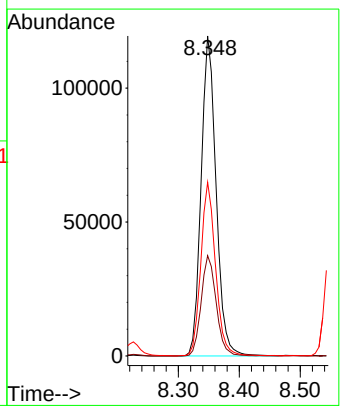
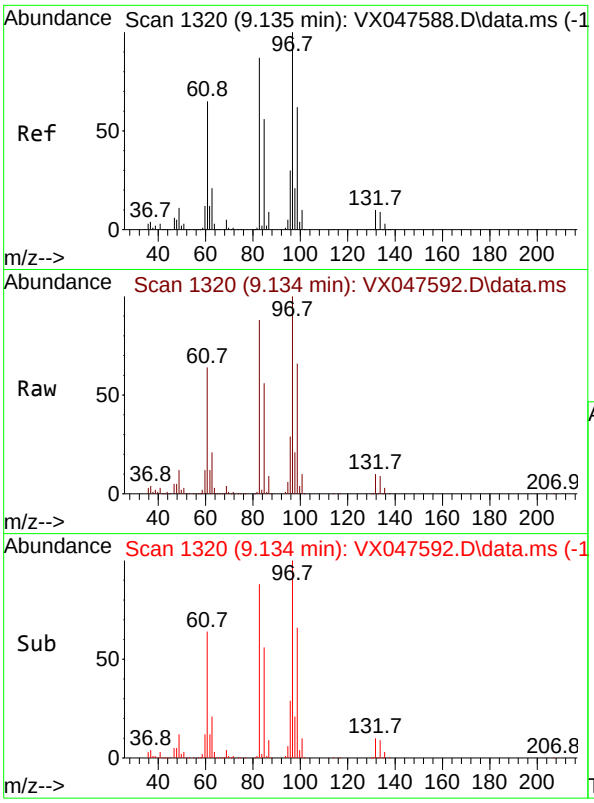



#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.8 | 38.6 |
| 39 | 54.2 | 41.4 | 62.2 |

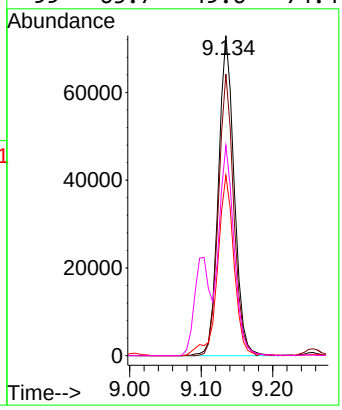





#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 11209

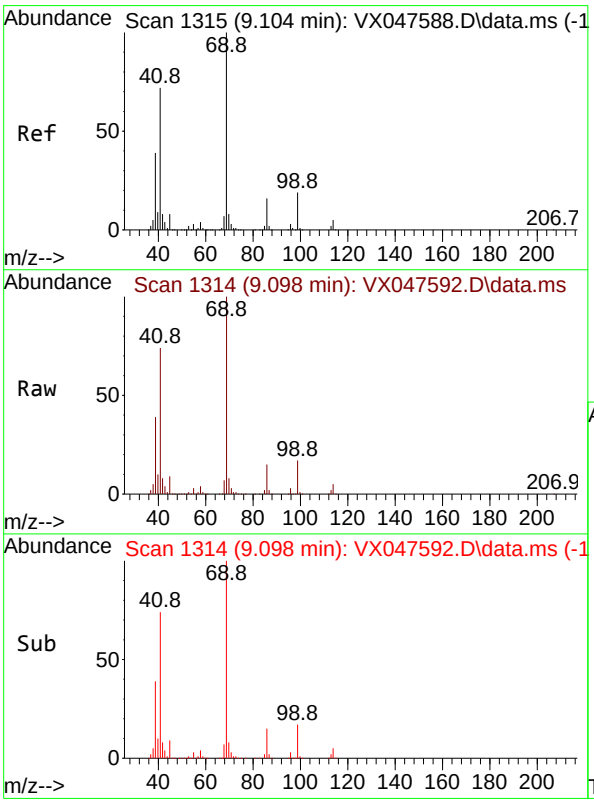
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.9 | 69.6 | 104.4 |
| 85 | 56.4 | 45.0 | 67.6 |
| 99 | 65.7 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

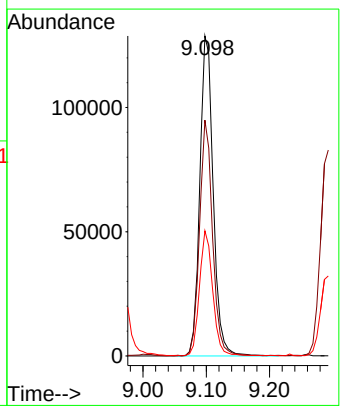
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

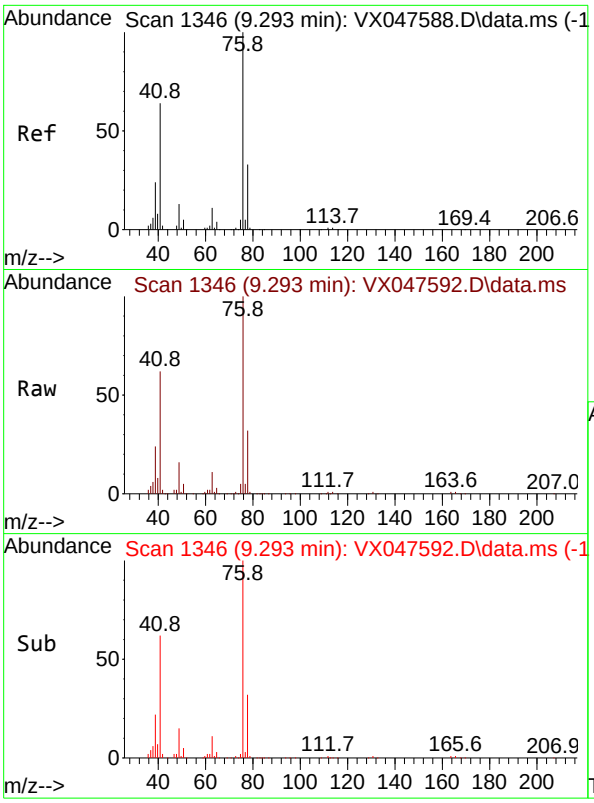



#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 58.6 | 87.8 |
| 39 | 39.0 | 31.5 | 47.3 |

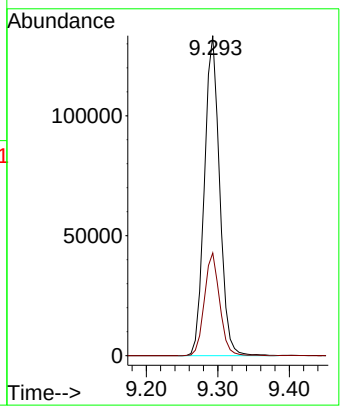





#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 76 Resp: 19707

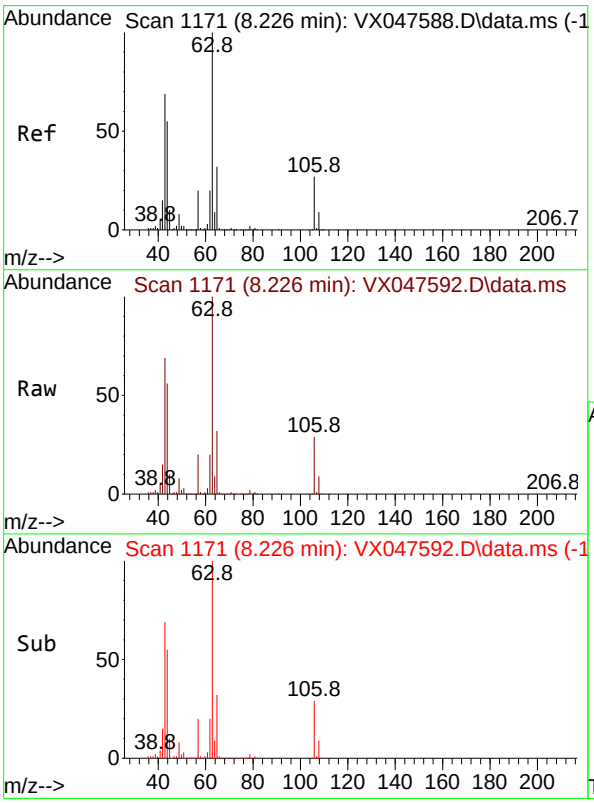
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

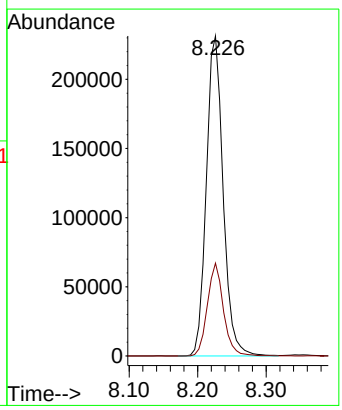
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

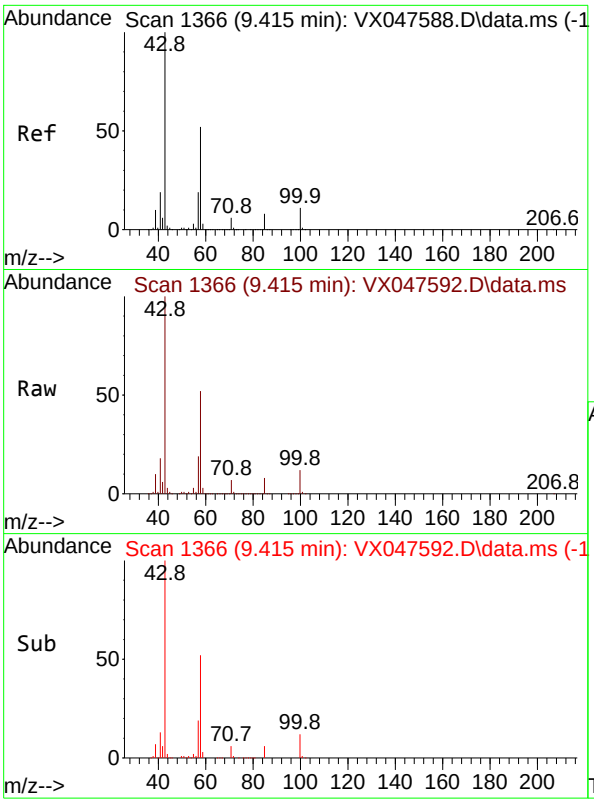



#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.8 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 575599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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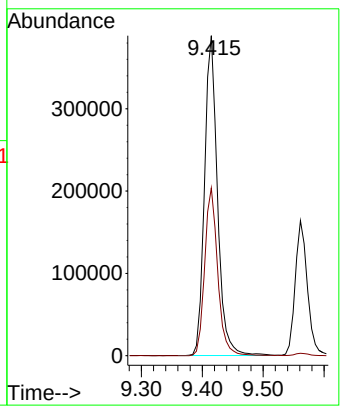
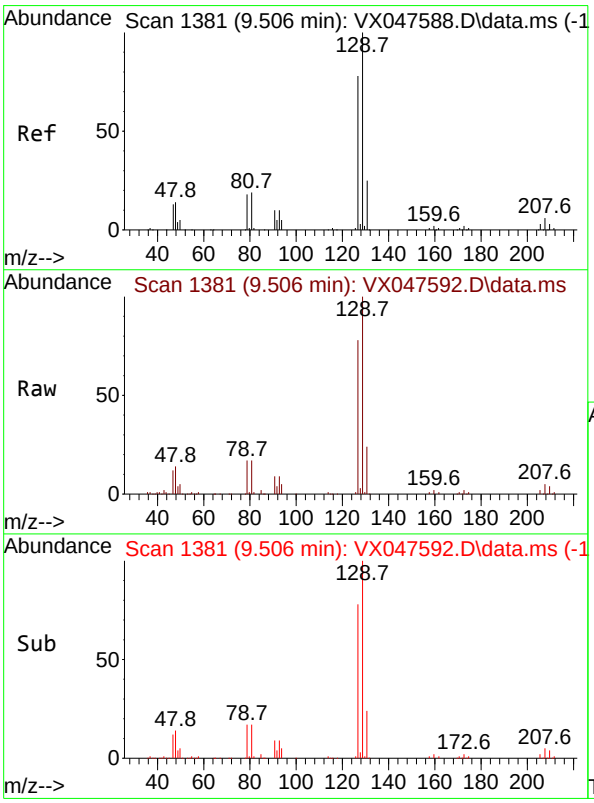
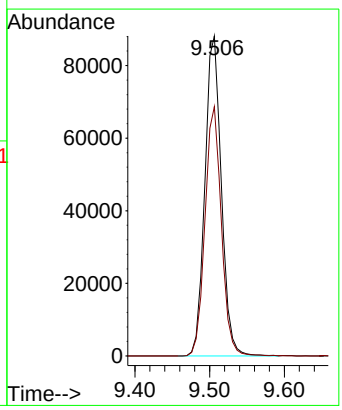


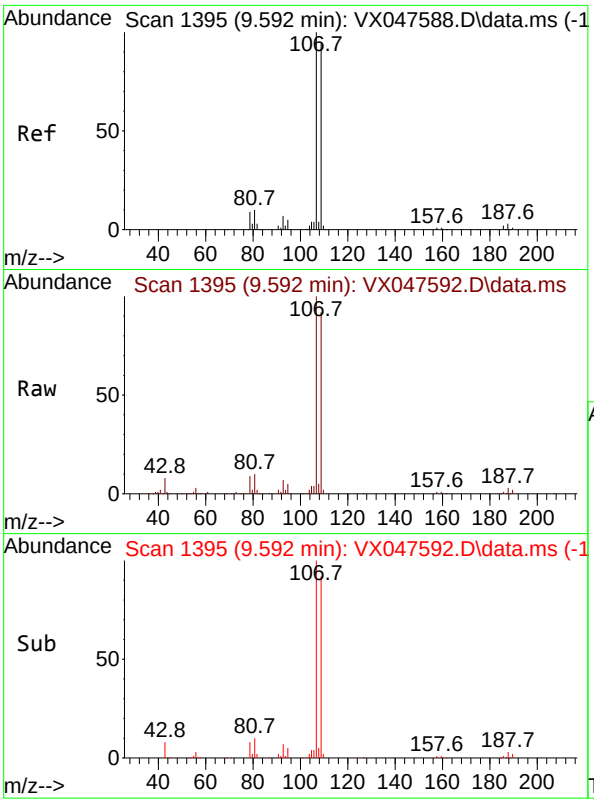




#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

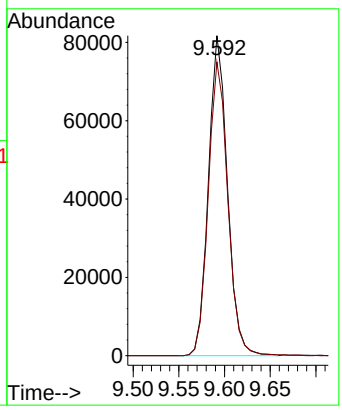
Tgt Ion:107 Resp: 11781

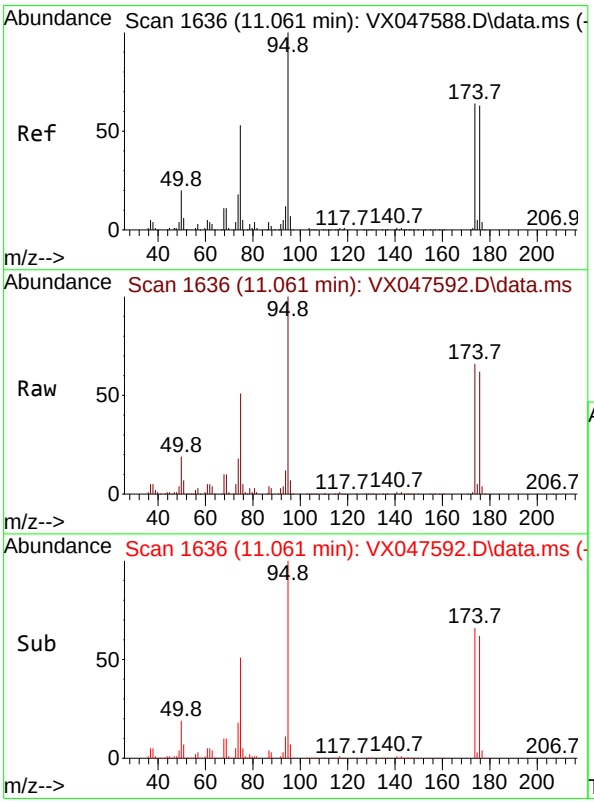
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

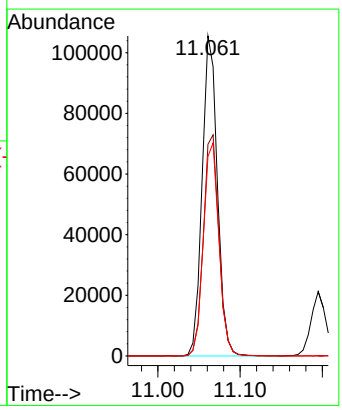


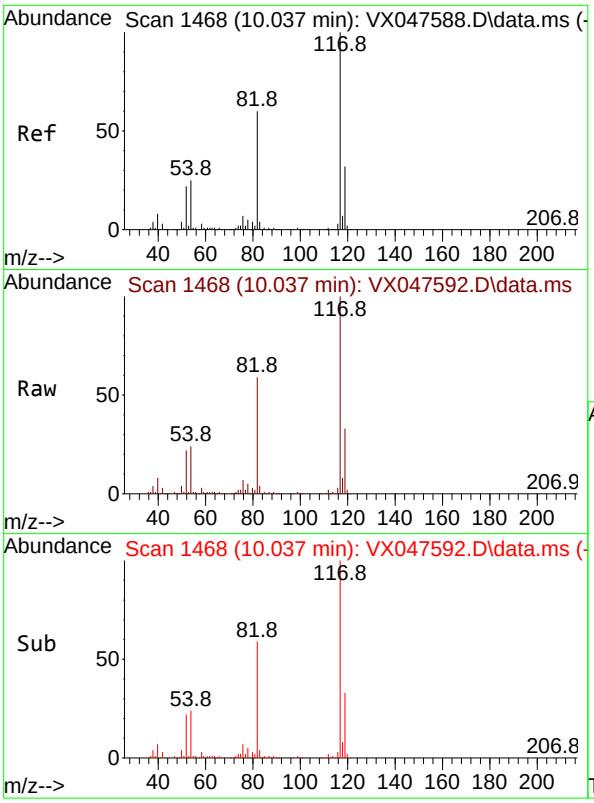




#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.3 | 0.0 | 141.6 |
| 176 | 68.0 | 0.0 | 138.4 |

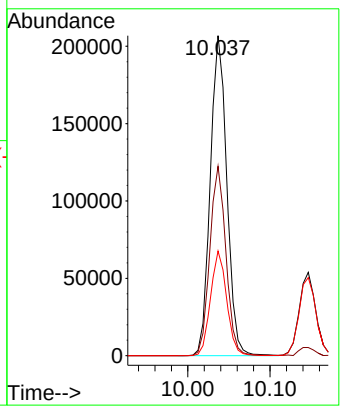





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 28866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.2 | 47.8 | 71.6 |
| 119 | 32.7 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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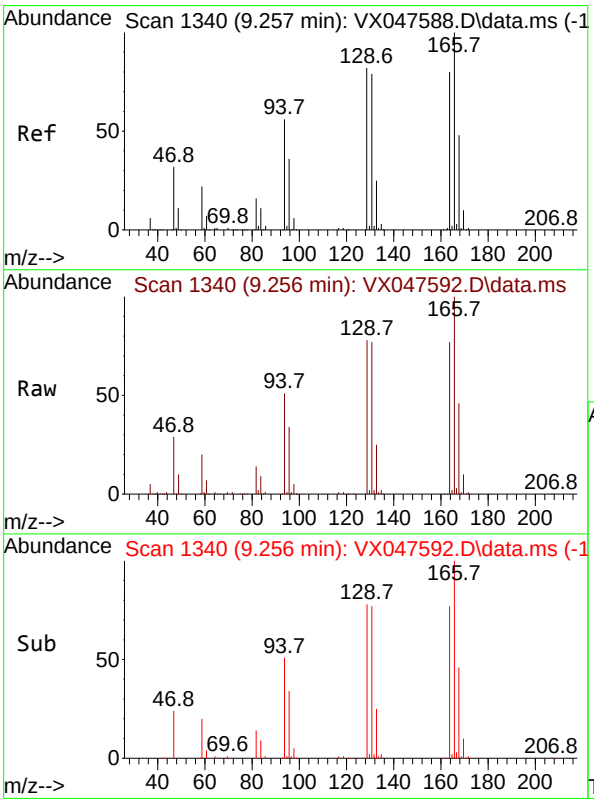
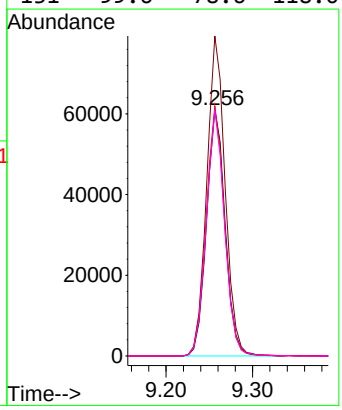
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

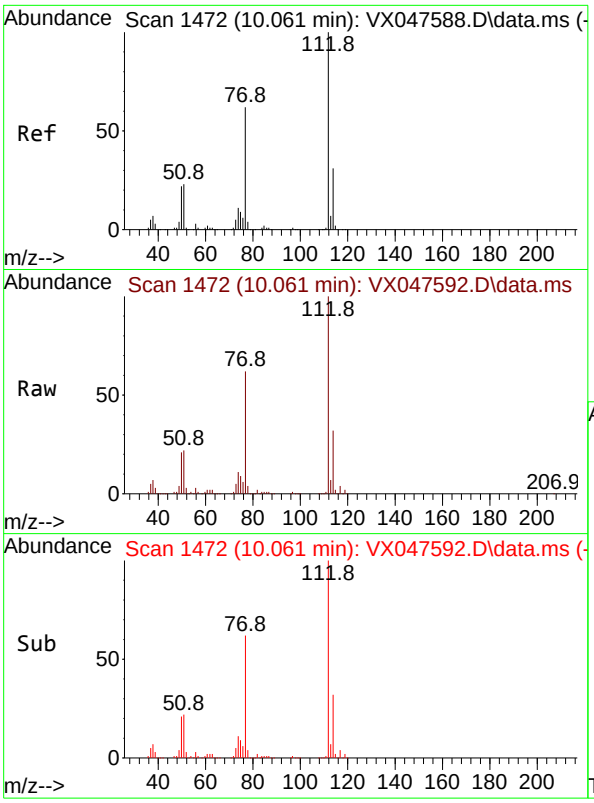



#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.8 | 100.2 | 150.2 |
| 129 | 101.3 | 81.8 | 122.6 |
| 131 | 99.6 | 78.6 | 118.0 |

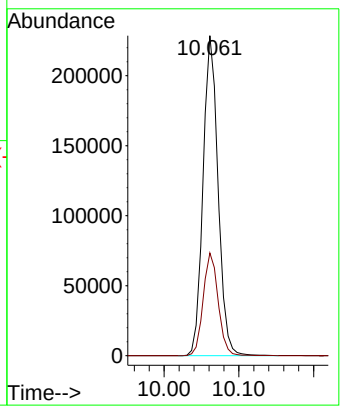





#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:112 Resp: 31837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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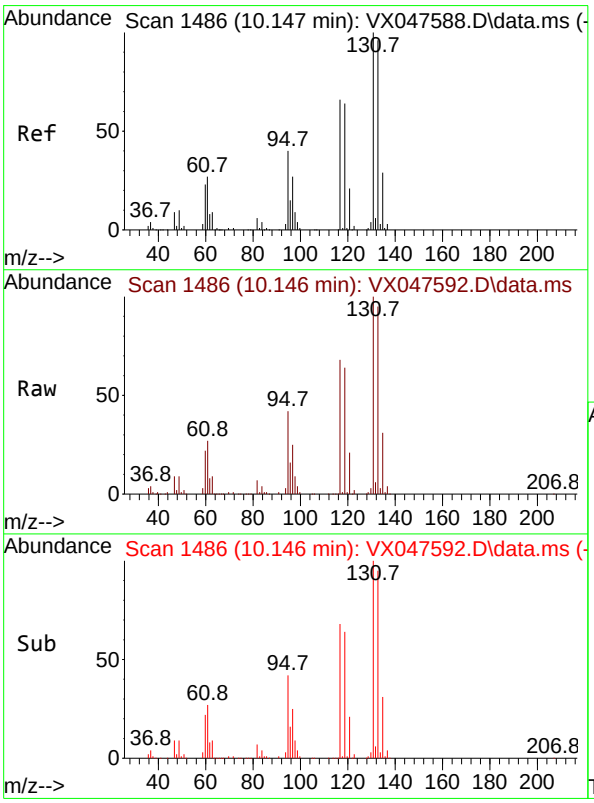
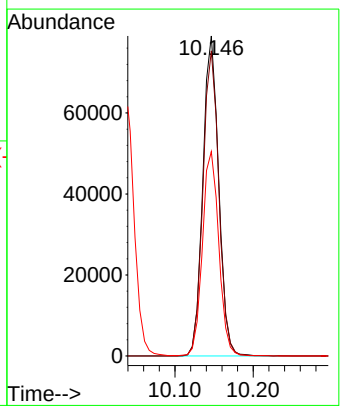
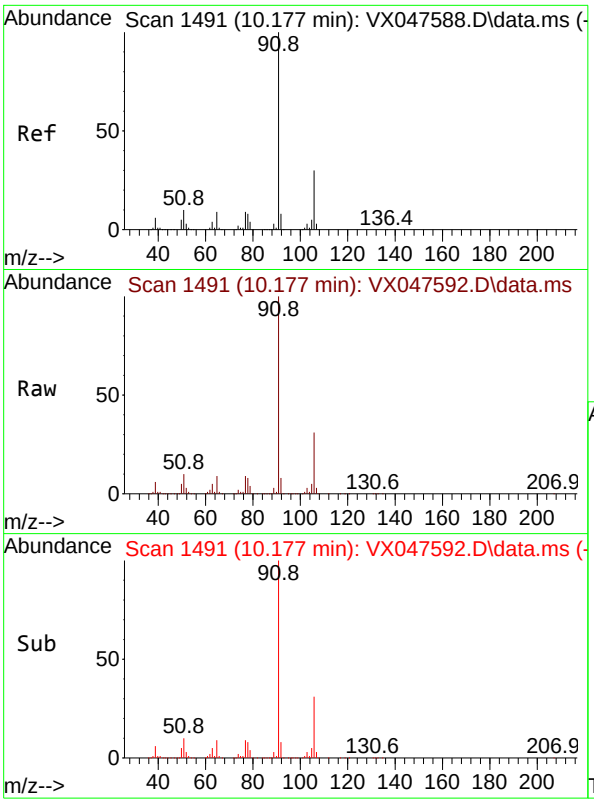



#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 142.0 |
| 119 | 66.3 | 32.0 | 96.0 |

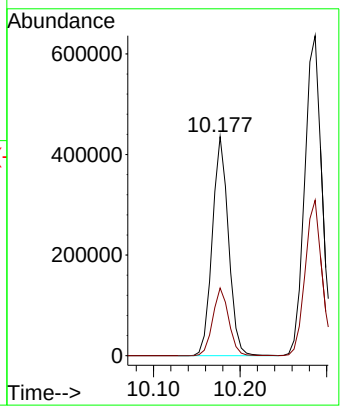





#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 56363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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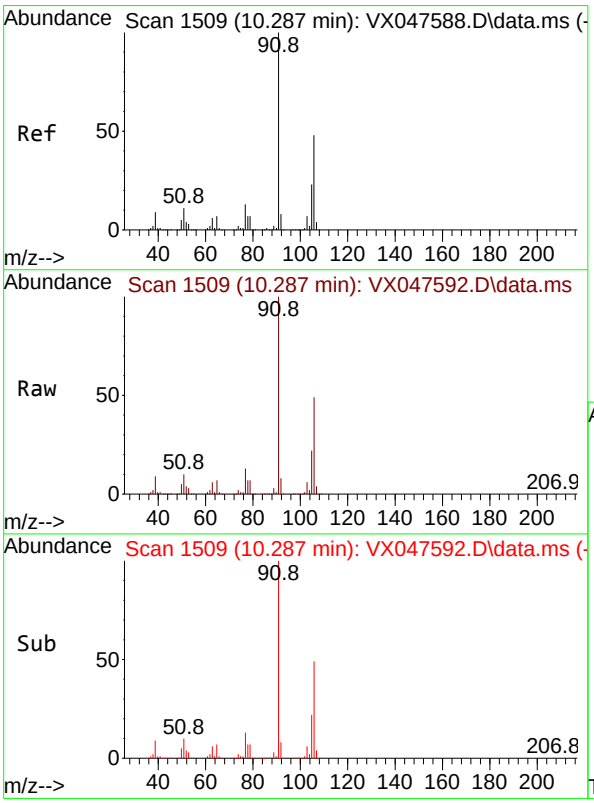
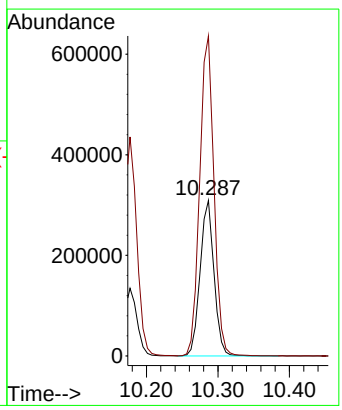
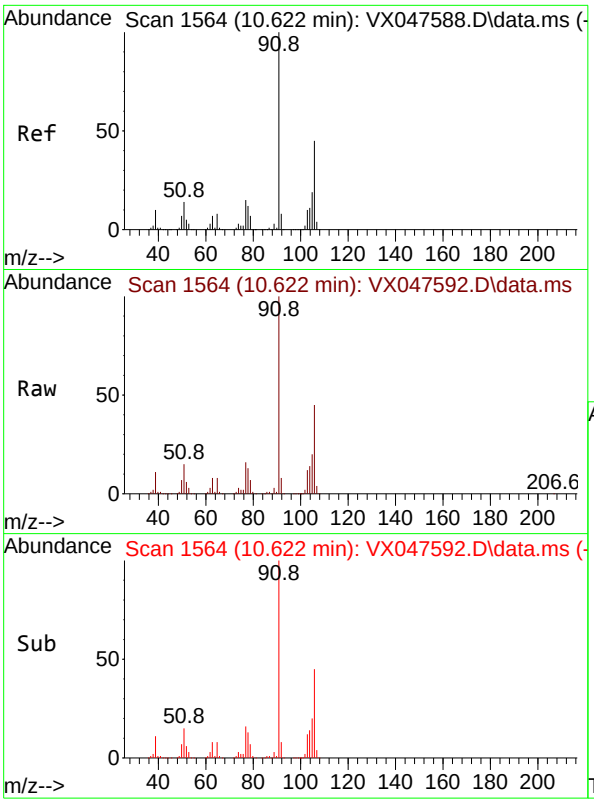



#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.1 | 167.8 | 251.8 |






#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

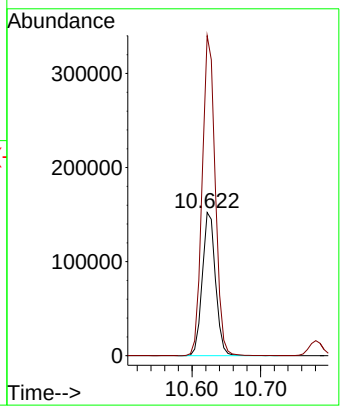
Tgt Ion:106 Resp: 20432

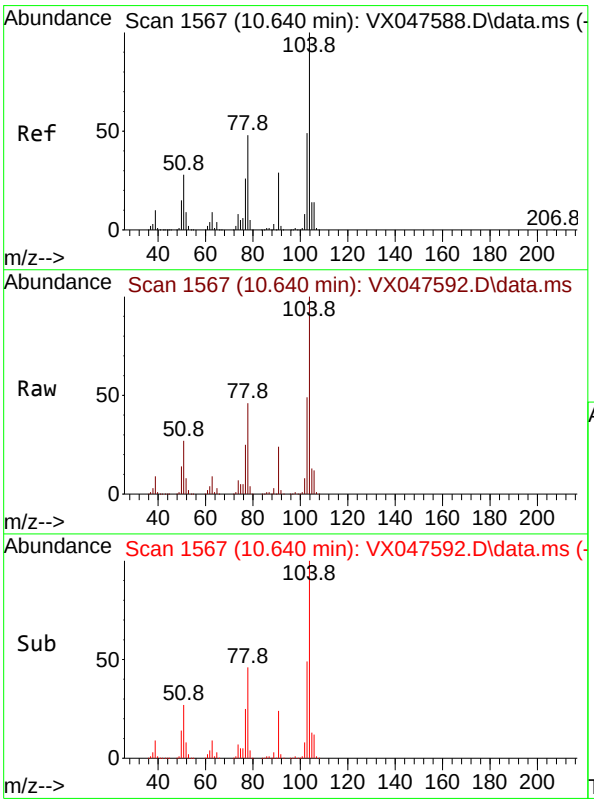
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.0 | 111.1 | 333.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

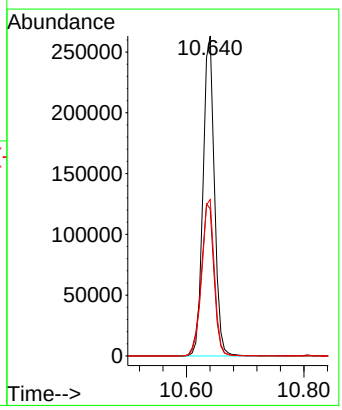


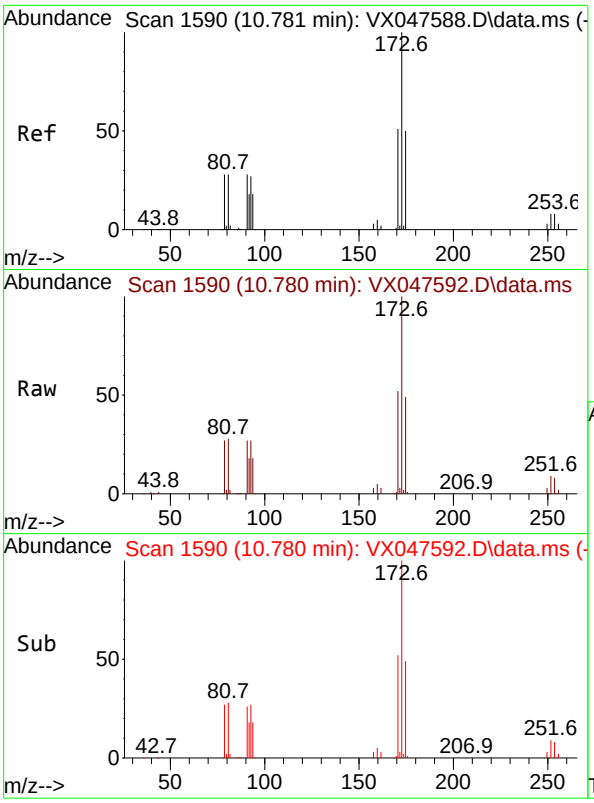




#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.4 | 43.1 | 64.7 |
| 103 | 54.3 | 43.1 | 64.7 |

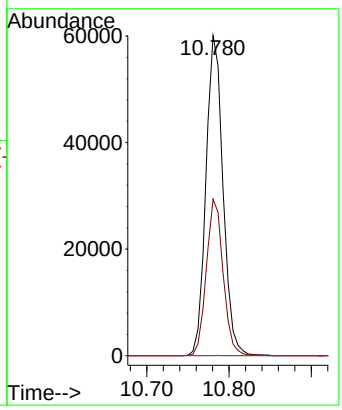





#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:173 Resp: 8652

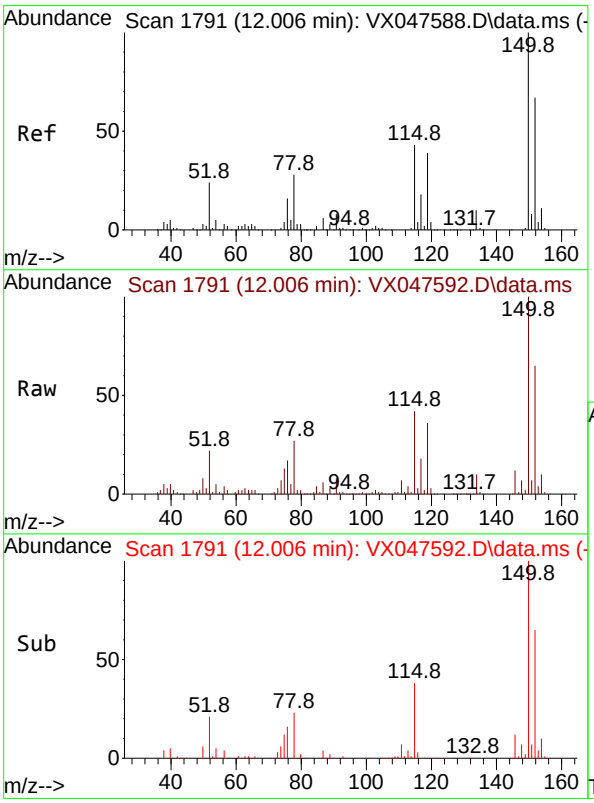
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

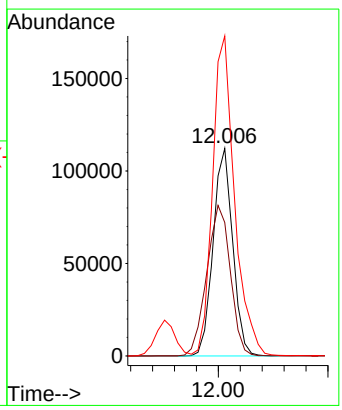
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

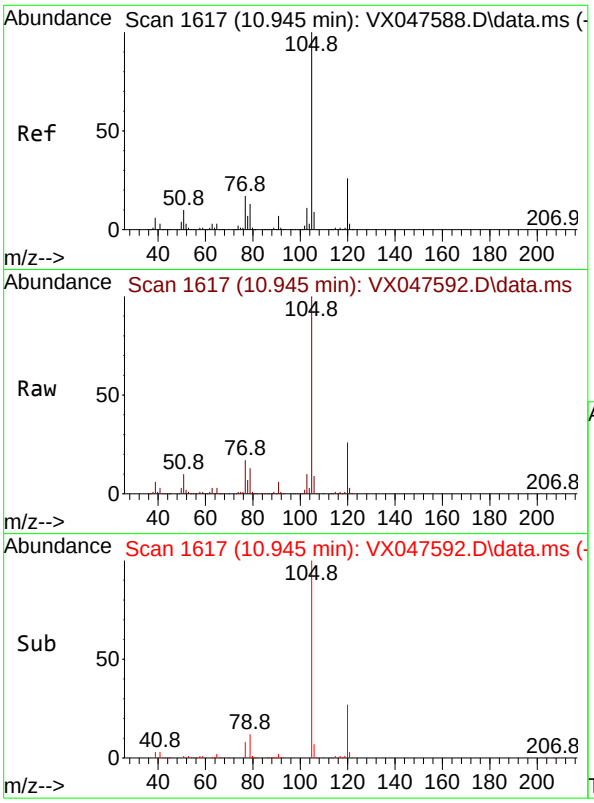



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.5 | 44.9 | 134.5 |
| 150 | 173.5 | 0.0 | 352.0 |

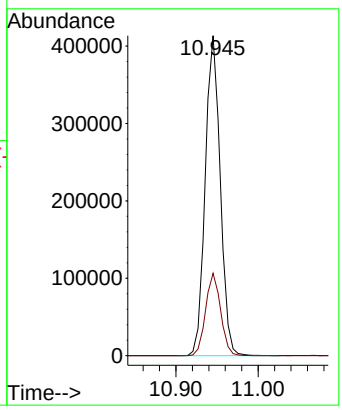





#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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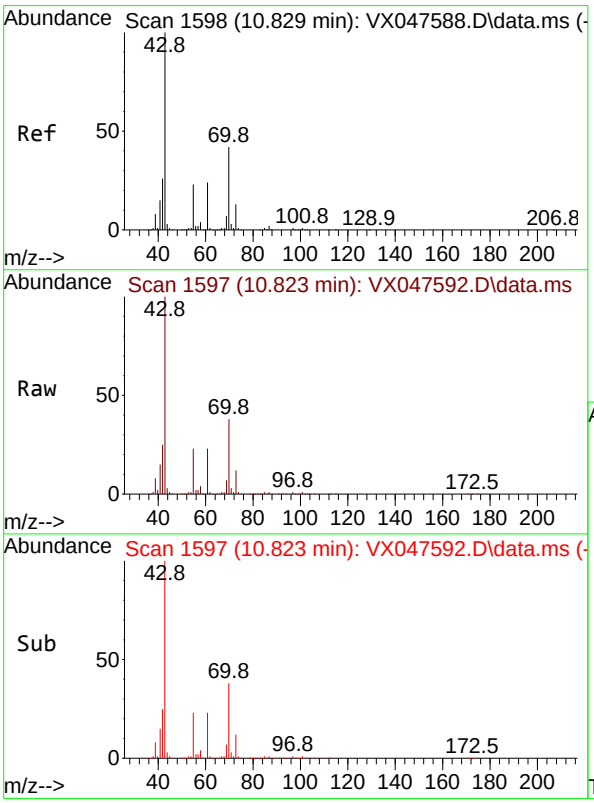
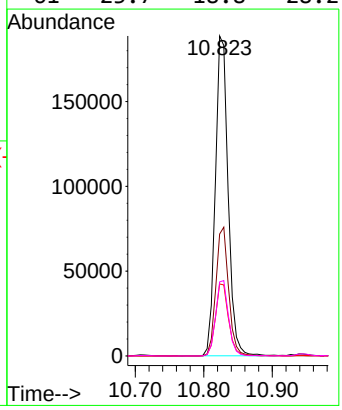
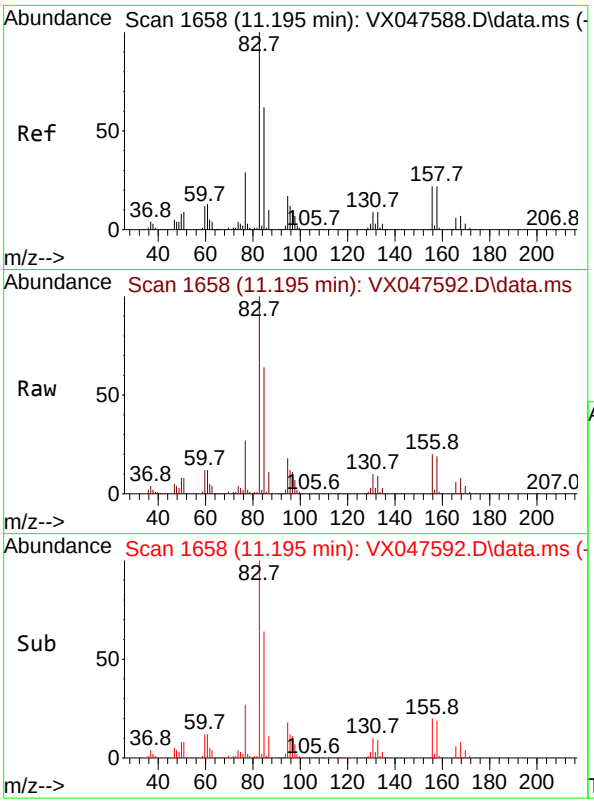



#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.0 | 48.0 |
| 55 | 23.2 | 18.9 | 28.3 |
| 61 | 23.7 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

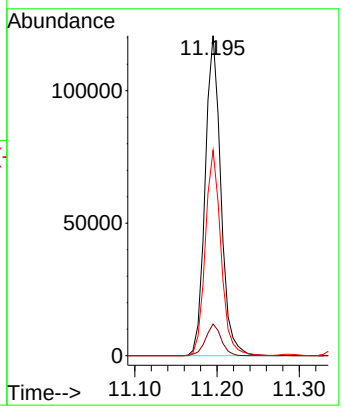
Tgt Ion: 83 Resp: 15967

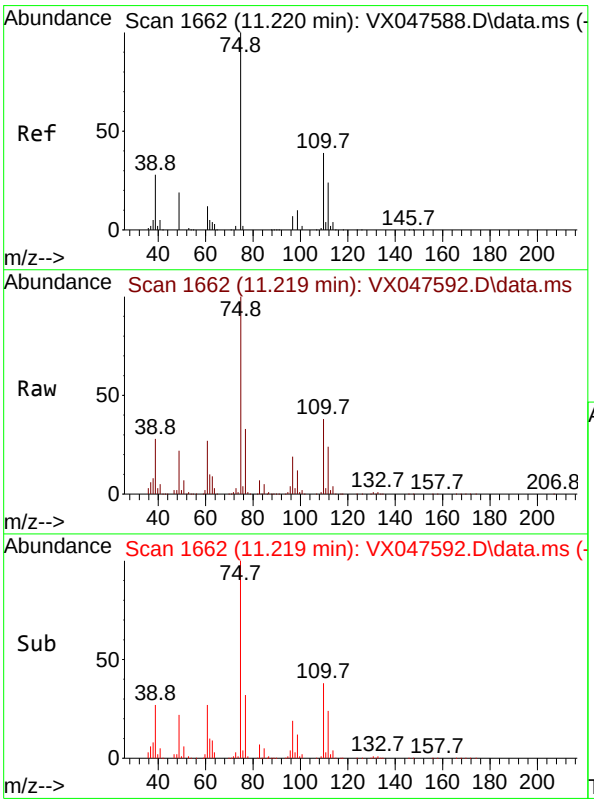
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 64.2 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

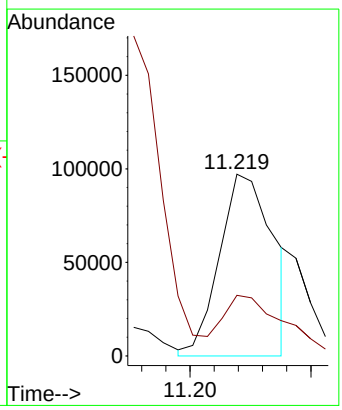


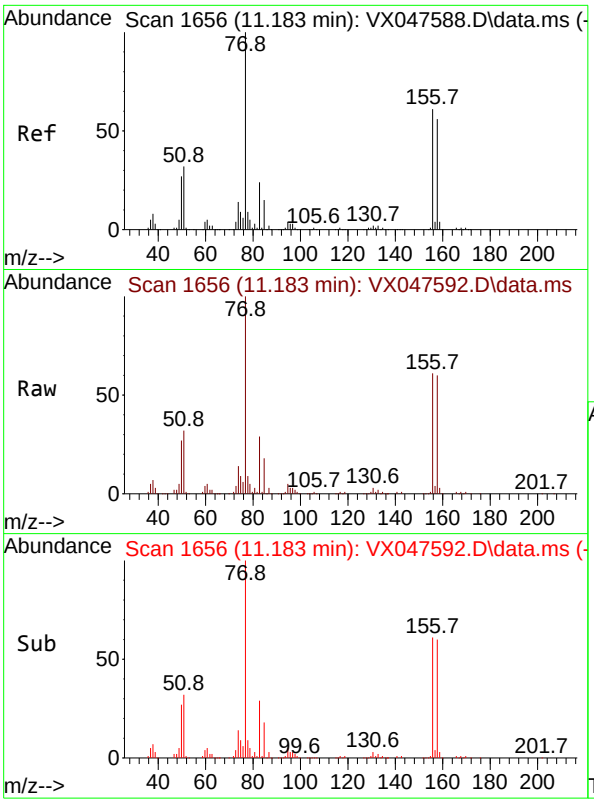




#76
1,2,3-Trichloropropane
Concen: 53.124 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 149779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.0 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

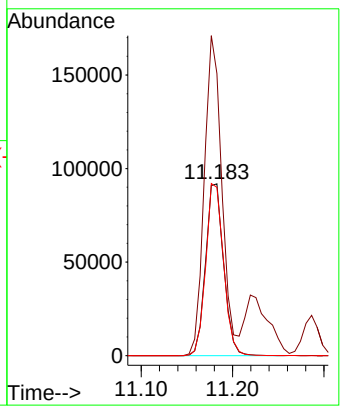
Tgt Ion:156 Resp: 12561

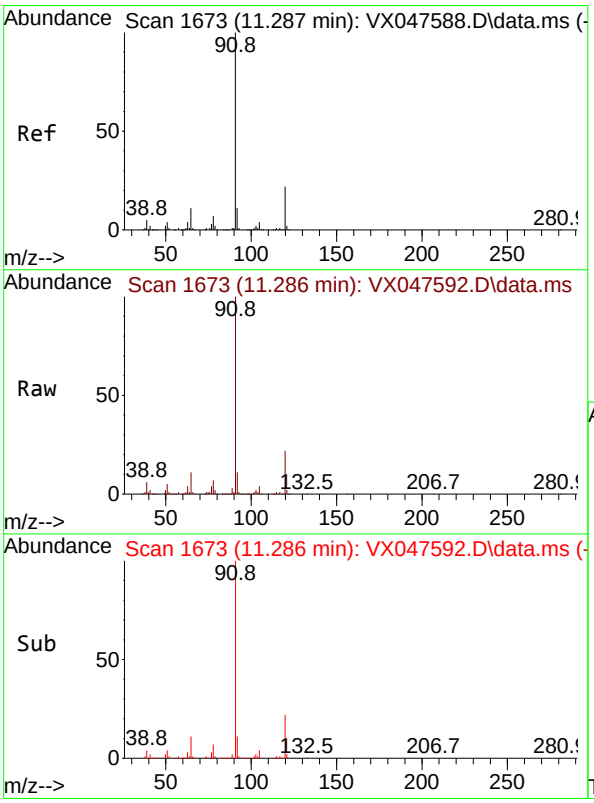
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 182.2 | 89.7 | 269.1 |
| 158 | 99.0 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

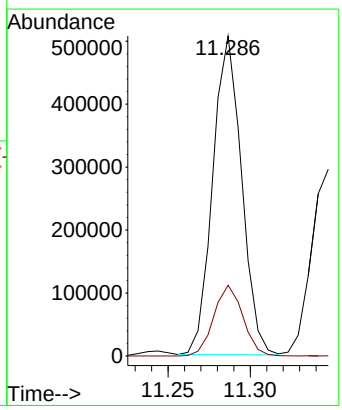


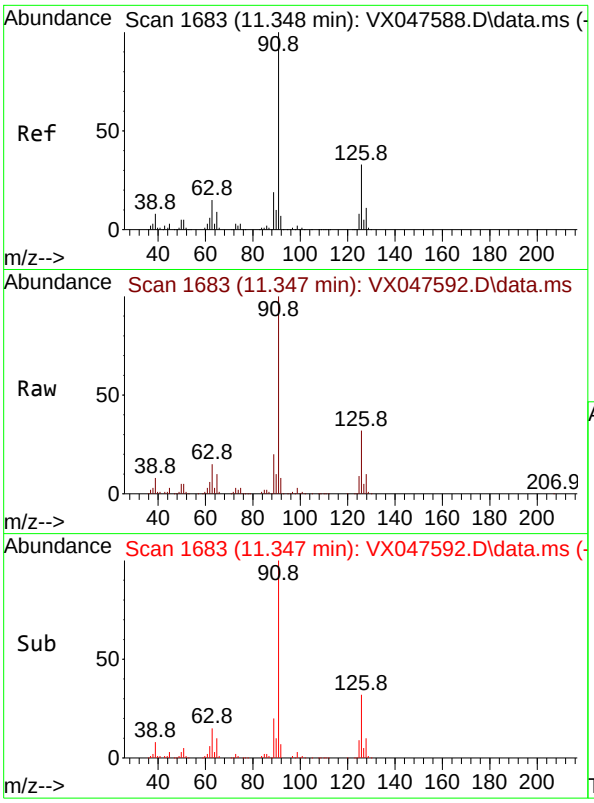




#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |

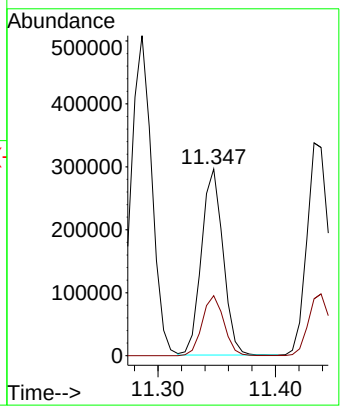





#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 37648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.4 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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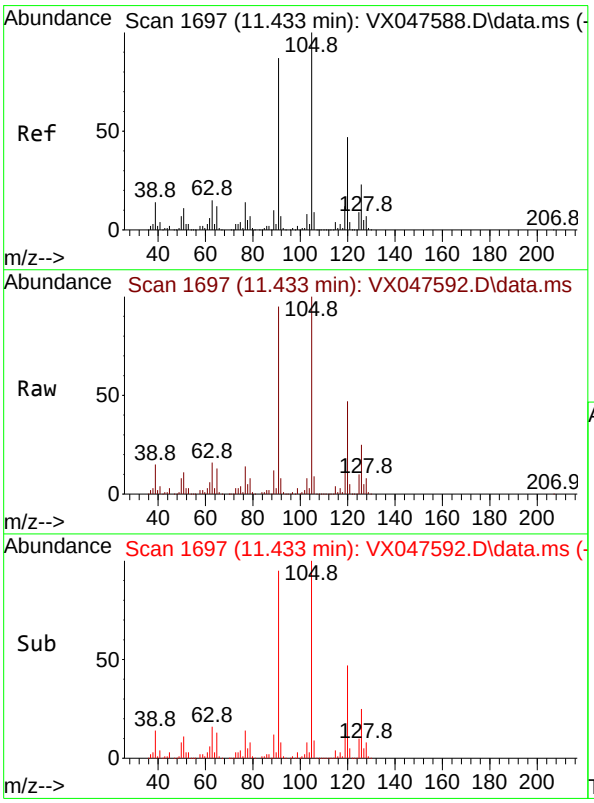
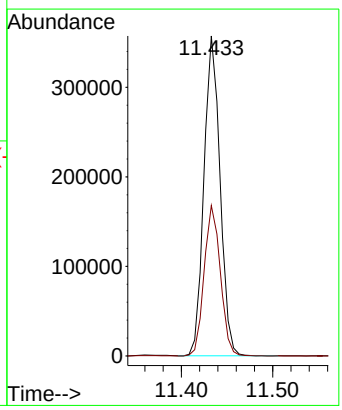
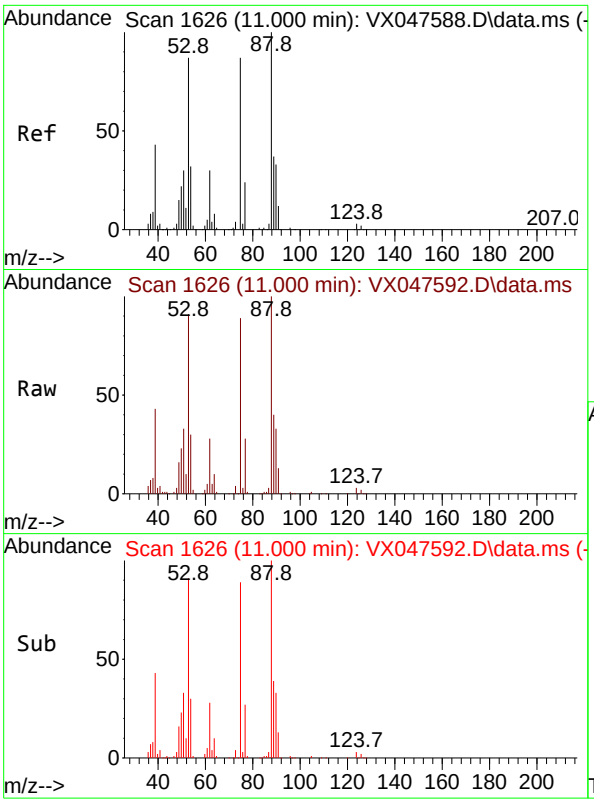



#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 5588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 83.4 | 125.2 |
| 89 | 45.4 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
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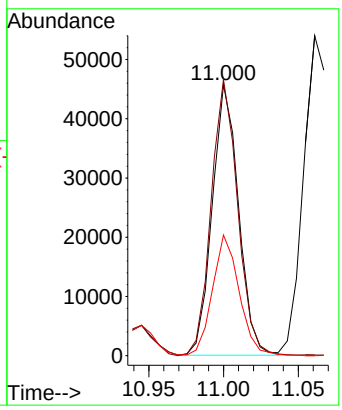
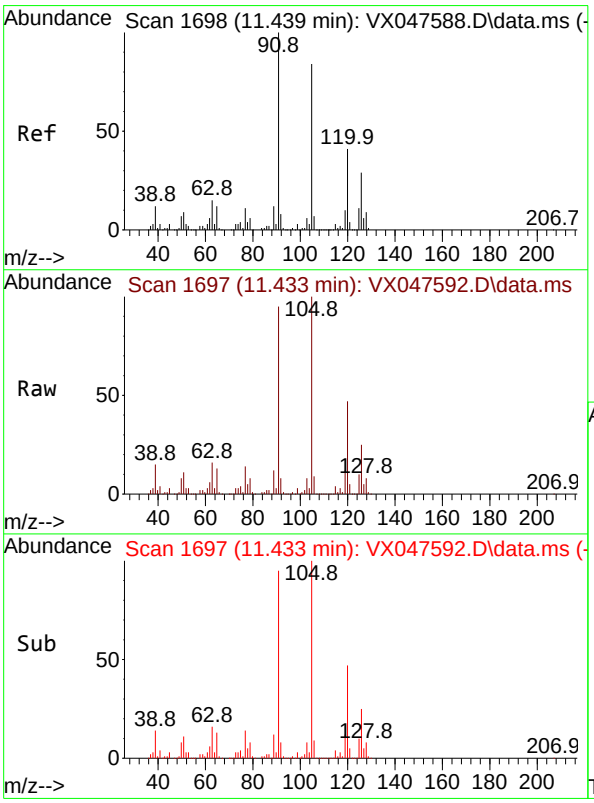
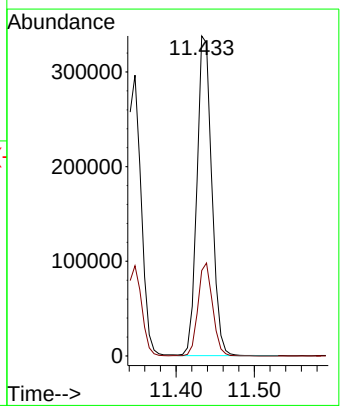


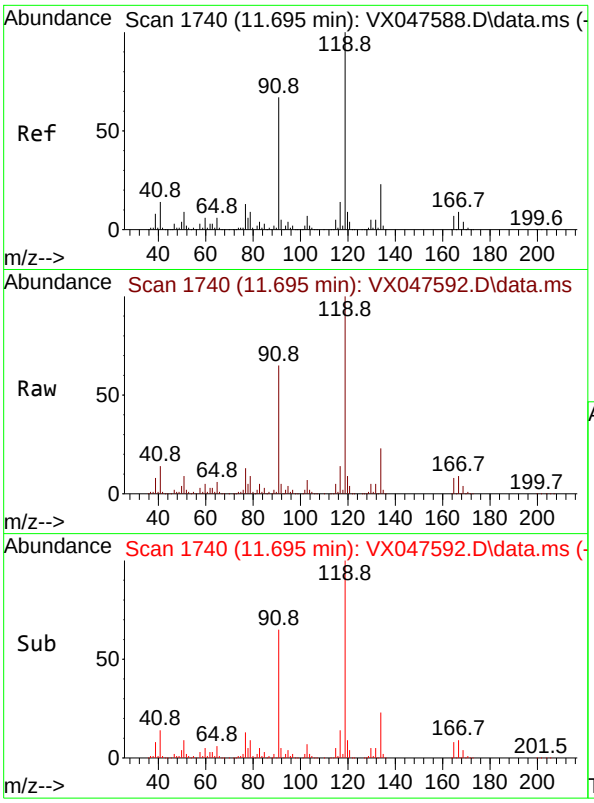




#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.2 | 42.6 |

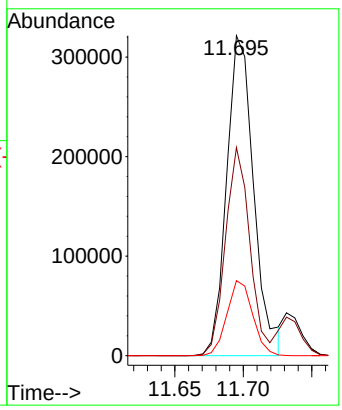





#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 44234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.7 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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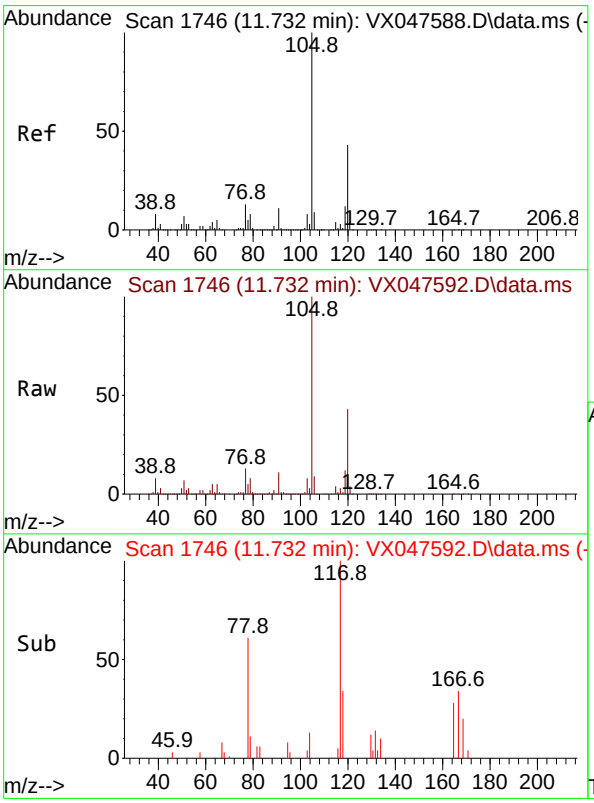
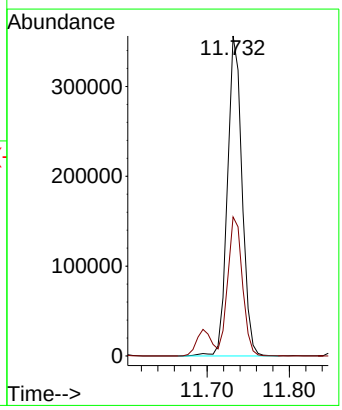
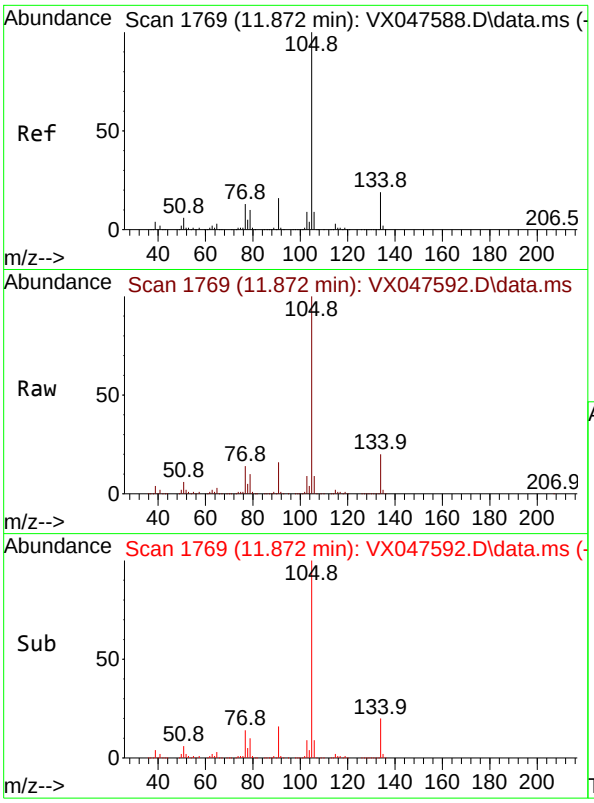



#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.1 |

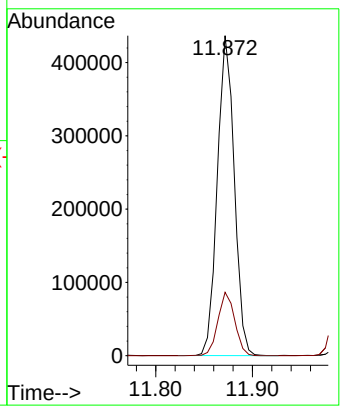





#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 52986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/17/2025
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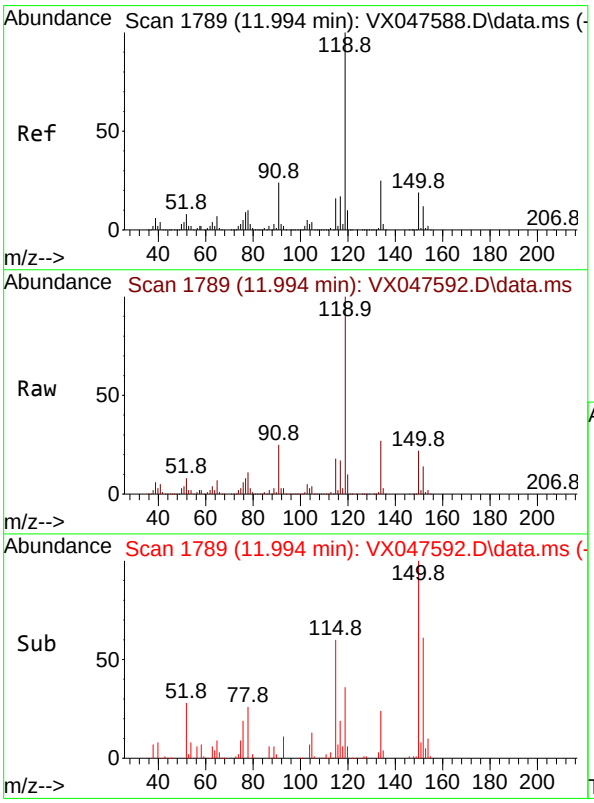
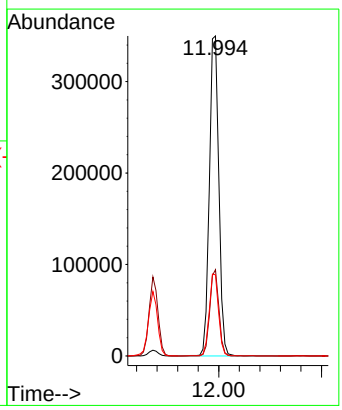
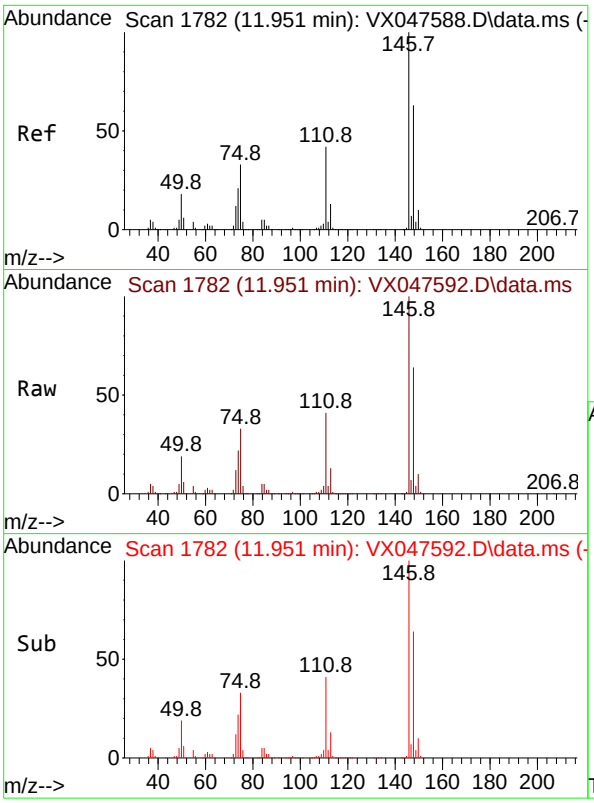



#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 25.4 | 12.6 | 37.6 |

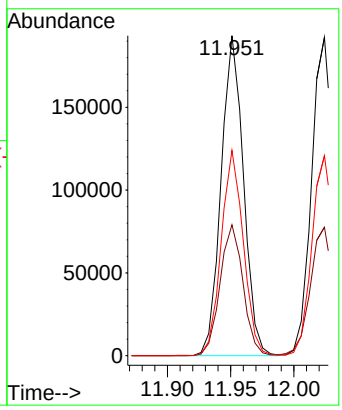





#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 23738

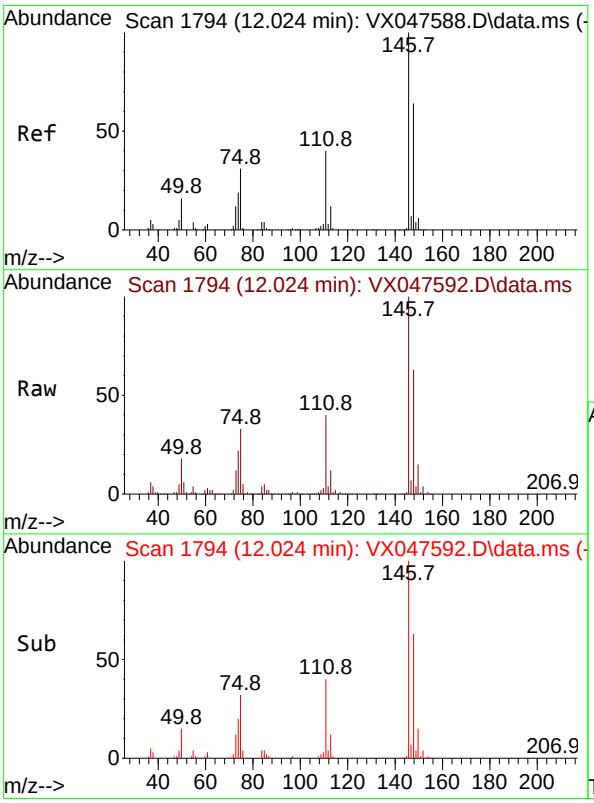
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 21.5 | 64.5 |
| 148 | 63.5 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

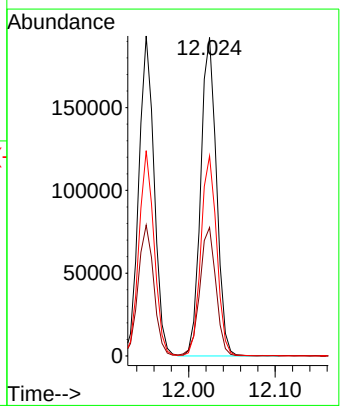
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

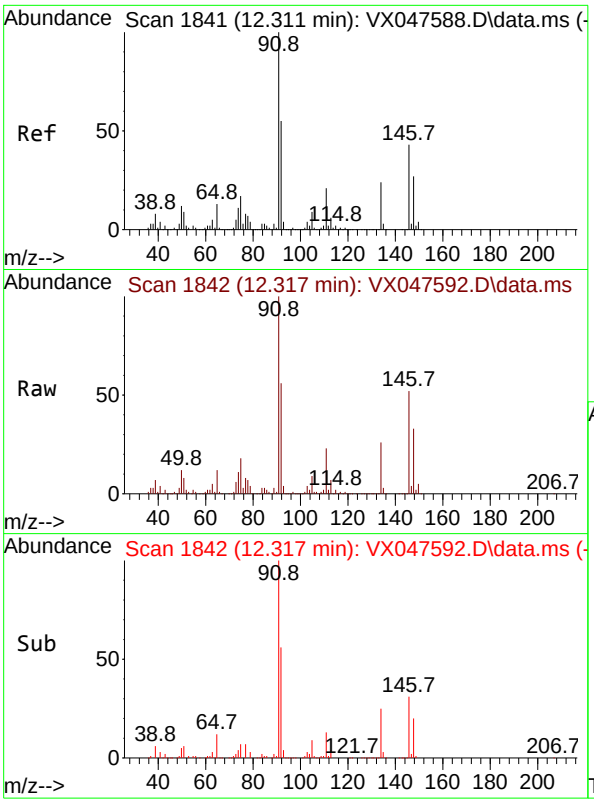



#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.8 | 62.4 |
| 148 | 62.7 | 31.7 | 95.1 |

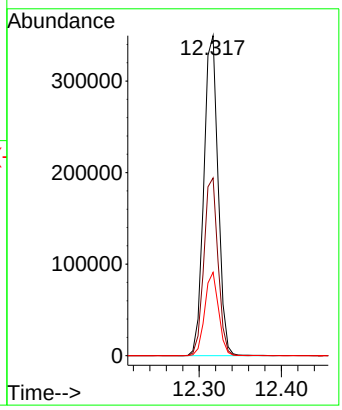





#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 42047

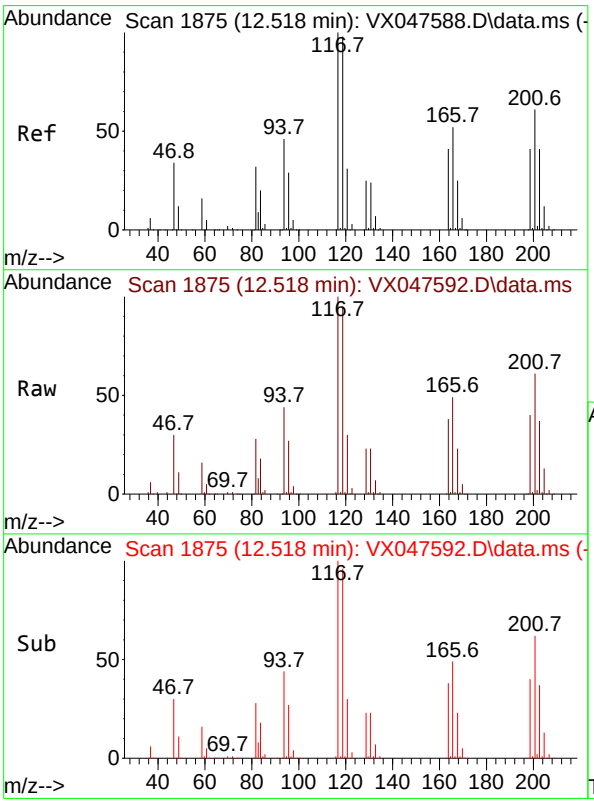
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.2 | 27.6 | 82.7 |
| 134 | 25.3 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

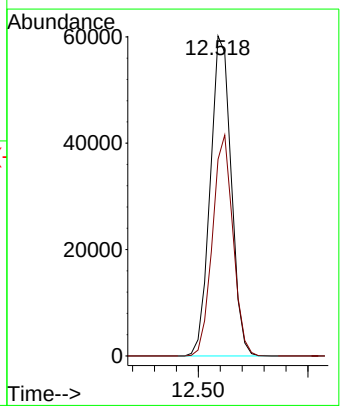
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

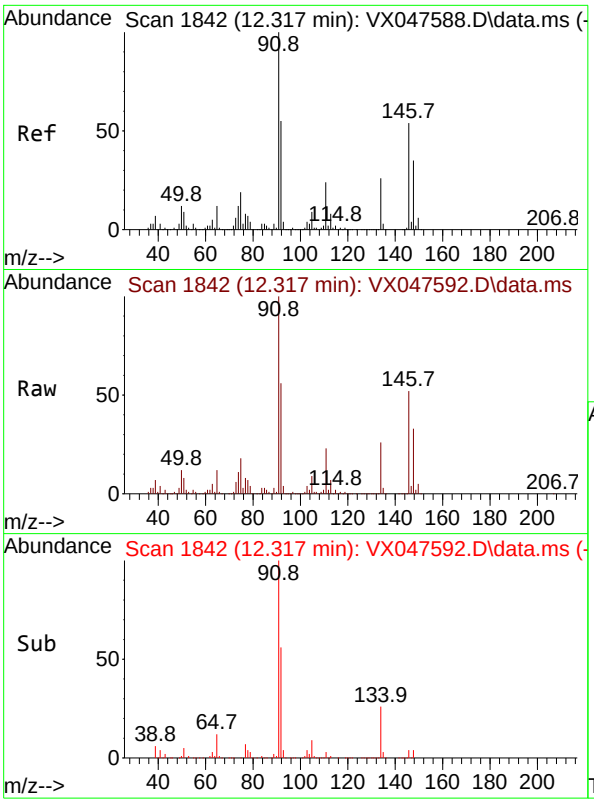



#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 34.2 | 102.5 |

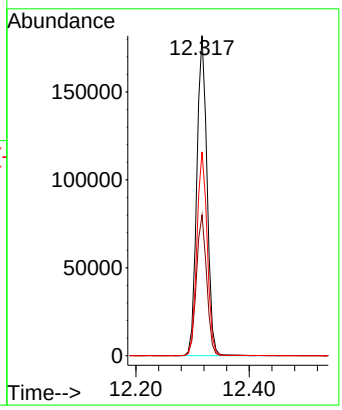





#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 22749

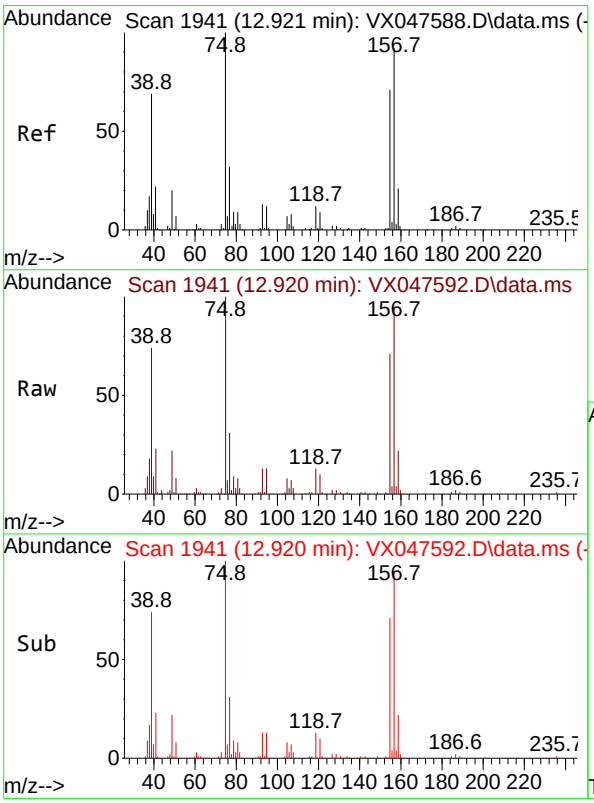
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.2 | 22.2 | 66.6 |
| 148 | 64.1 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

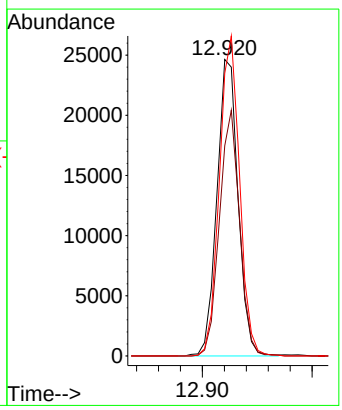
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

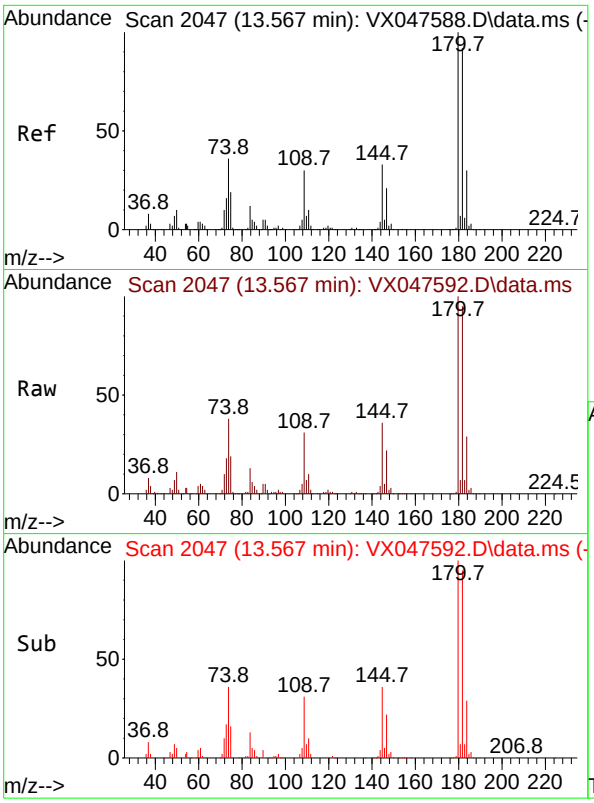



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.1 | 37.7 | 113.1 |
| 157 | 103.2 | 49.8 | 149.4 |

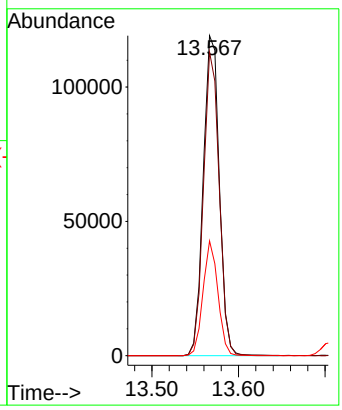





#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 15333

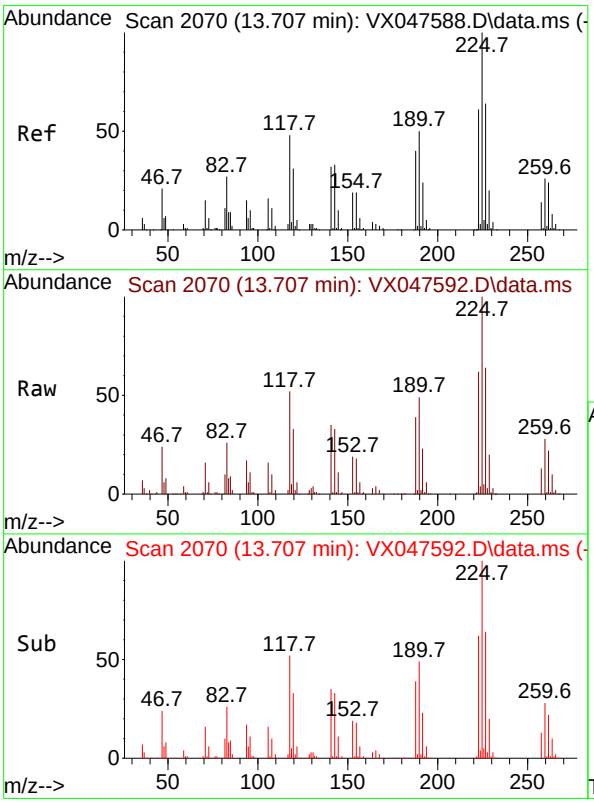
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 46.6 | 139.8 |
| 145 | 33.3 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

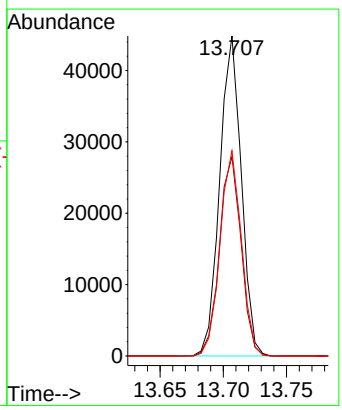
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

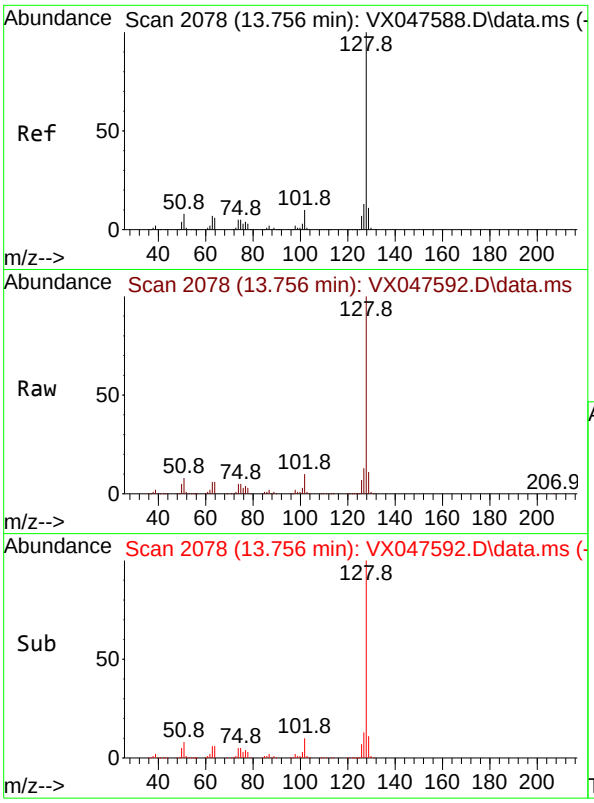



#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 31.7 | 95.1 |
| 227 | 63.3 | 32.0 | 96.0 |

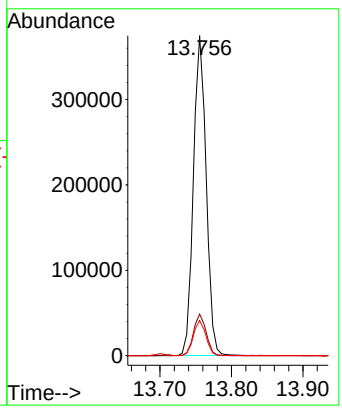





#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:128 Resp: 46420

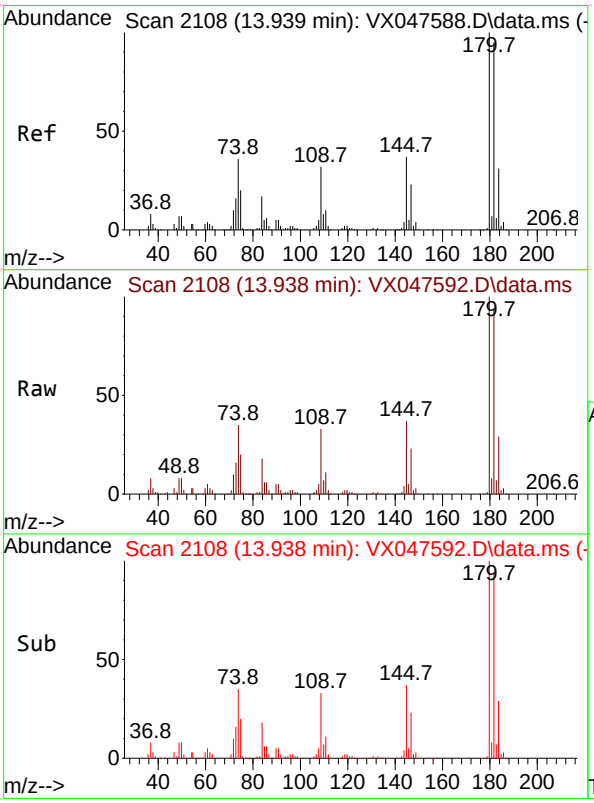
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

**Manual Integrations**
**APPROVED**

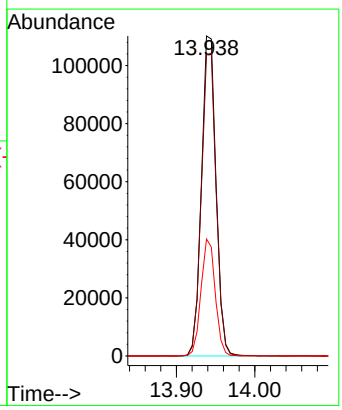
Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025




#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.6 | 142.8 |
| 145 | 35.6 | 17.9 | 53.7 |



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 108 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.518 | 0.462 | 10.8 | 99 | 0.00 |
| 3 | P | Chloromethane | 0.680 | 0.595 | 12.5 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 0.666 | 0.610 | 8.4# | 99 | 0.00 |
| 5 | T | Bromomethane | 0.422 | 0.410 | 2.8 | 104 | 0.00 |
| 6 | T | Chloroethane | 0.445 | 0.415 | 6.7 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.989 | 0.931 | 5.9 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 0.405 | 0.378 | 6.7 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.561 | 2.9 | 103 | 0.00 |
| 10 | T | Methyl Iodide | 0.902 | 0.834 | 7.5 | 98 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.089 | 0.091 | -2.2 | 110 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.594 | 0.559 | 5.9# | 100 | 0.00 |
| 13 | T | Acrolein | 0.082 | 0.083 | -1.2 | 110 | 0.00 |
| 14 | T | Allyl chloride | 1.226 | 1.146 | 6.5 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.333 | -1.5 | 103 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.339 | 2.0 | 115 | 0.00 |
| 17 | T | Carbon Disulfide | 1.626 | 1.463 | 10.0 | 100 | 0.00 |
| 18 | T | Methyl Acetate | 0.770 | 0.850 | -10.4 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.169 | 2.105 | 3.0 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 0.732 | 0.674 | 7.9 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.640 | 0.597 | 6.7 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 2.376 | 2.289 | 3.7 | 99 | -0.01 |
| 23 | T | Vinyl Acetate | 1.901 | 1.867 | 1.8 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.263 | 1.213 | 4.0 | 101 | 0.00 |
| 25 | T | 2-Butanone | 0.432 | 0.438 | -1.4 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.050 | 1.039 | 1.0 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.783 | 0.765 | 2.3 | 102 | 0.00 |
| 28 | T | Bromochloromethane | 0.551 | 0.514 | 6.7 | 96 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.263 | -1.2 | 103 | 0.00 |
| 30 | C | Chloroform | 1.276 | 1.244 | 2.5# | 101 | 0.00 |
| 31 | T | Cyclohexane | 1.052 | 0.968 | 8.0 | 101 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.082 | 1.060 | 2.0 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.725 | 8.9 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.306 | 8.7 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.490 | 0.457 | 6.7 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.517 | 1.5 | 105 | -0.01 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.500 | 6.0 | 100 | -0.01 |
| 39 | T | Methylcyclohexane | 0.556 | 0.541 | 2.7 | 103 | 0.00 |
| 40 | TM | Benzene | 1.488 | 1.410 | 5.2 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 0.271 | 0.274 | -1.1 | 103 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.566 | 0.531 | 6.2 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.860 | 0.846 | 1.6 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.346 | 3.9 | 101 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.366 | 3.9# | 100 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.266 | 4.0 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.558 | 2.4 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.427 | 0.5 | 102 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.004 | 0.005 | -25.0 | 106 | 0.00 |
| 50 | S | Toluene-d8 | 1.160 | 1.077 | 7.2 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.488 | -2.3 | 103 | 0.00 |
| 52 | CM | Toluene | 0.917 | 0.883 | 3.7# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.578 | 1.0 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.624 | 0.615 | 1.4 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.338 | 4.5 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.555 | 0.572 | -3.1 | 103 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.594 | 2.1 | 101 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.238 | -4.8 | 94 | 0.00 |
| 59 | T | 2-Hexanone | 0.343 | 0.347 | -1.2 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 0.407 | 0.406 | 0.2 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.360 | 0.355 | 1.4 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.440 | 0.410 | 6.8 | 104 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.315 | 3.4 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.136 | 1.103 | 2.9 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.383 | 2.3 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 1.960 | 1.953 | 0.4# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.722 | 1.0 | 101 | 0.00 |
| 69 | T | o-Xylene | 0.706 | 0.708 | -0.3 | 101 | 0.00 |
| 70 | T | Styrene | 1.236 | 1.225 | 0.9 | 101 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.300 | -2.4 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 3.801 | 3.762 | 1.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 1.733 | 1.746 | -0.8 | 102 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.147 | 0.3 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.012 | 1.076 | -6.3 | 104 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 0.902 | 3.6 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 4.494 | 4.430 | 1.4 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.752 | 2.704 | 1.7 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.123 | 3.127 | -0.1 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.397 | 0.401 | -1.0 | 106 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.251 | 3.196 | 1.7 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.197 | 3.177 | 0.6 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.166 | 3.161 | 0.2 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.797 | 3.805 | -0.2 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.215 | 3.206 | 0.3 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.739 | 1.705 | 2.0 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.785 | 1.749 | 2.0 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 2.975 | 3.020 | -1.5 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.564 | 0.573 | -1.6 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.634 | 1.4 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.237 | -1.7 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.101 | -2.2 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.366 | 0.381 | -4.1 | 108 | 0.00 |
| 95 | T | Naphthalene | 3.279 | 3.334 | -1.7 | 103 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1.002 | 1.023 | -2.1 | 102 | 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\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 108 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 44.592 | 10.8 | 99 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.710 | 12.6 | 97 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.783 | 8.4# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.489 | 3.0 | 104 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.575 | 6.8 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.074 | 5.9 | 101 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.693 | 6.6 | 99 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.524 | 3.0 | 103 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.210 | 7.6 | 98 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 256.271 | -2.5 | 110 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.076 | 5.8# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 254.867 | -1.9 | 110 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 46.742 | 6.5 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 253.567 | -1.4 | 103 | 0.00 |
| 16 | T | Acetone | 250.000 | 245.006 | 2.0 | 115 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 44.966 | 10.1 | 100 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 55.175 | -10.3 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 48.538 | 2.9 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.000 | 8.0 | 99 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.709 | 6.6 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.174 | 3.7 | 99 | -0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 245.539 | 1.8 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.041 | 3.9 | 101 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.598 | -1.4 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.494 | 1.0 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.826 | 2.3 | 102 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.586 | 6.8 | 96 | -0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 253.375 | -1.4 | 103 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.739 | 2.5# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.999 | 8.0 | 101 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.978 | 2.0 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.550 | 8.9 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 45.559 | 8.9 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.663 | 6.7 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.241 | 1.5 | 105 | -0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.935 | 6.1 | 100 | -0.01 |
| 39 | T | Methylcyclohexane | 50.000 | 48.597 | 2.8 | 103 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.357 | 5.3 | 100 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.490 | -1.0 | 103 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.867 | 6.3 | 98 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.136 | 1.7 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.037 | 3.9 | 101 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.053 | 3.9# | 100 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.976 | 4.0 | 100 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.769 | 2.5 | 99 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.757 | 0.5 | 102 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1089.520 | -9.0 | 106 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 46.411 | 7.2 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 255.752 | -2.3 | 103 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.130 | 3.7# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.527 | 0.9 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.257 | 1.5 | 102 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.772 | 4.5 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 51.490 | -3.0 | 103 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 48.894 | 2.2 | 101 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 225.562 | 9.8 | 94 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 253.126 | -1.3 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.824 | 0.4 | 101 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.297 | 1.4 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 46.520 | 7.0 | 104 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 107 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.296 | 3.4 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.549 | 2.9 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.794 | 2.4 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.813 | 0.4# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.956 | 1.0 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.159 | -0.3 | 101 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.536 | 0.9 | 101 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.207 | -2.4 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.479 | 1.0 | 101 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.375 | -0.8 | 102 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.851 | 0.3 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.124 | -6.2 | 104 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.173 | 3.7 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.295 | 1.4 | 101 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.117 | 1.8 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.055 | -0.1 | 102 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.543 | -1.1 | 106 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.164 | 1.7 | 101 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.679 | 0.6 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.911 | 0.2 | 103 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.100 | -0.2 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.861 | 0.3 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.014 | 2.0 | 102 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.011 | 2.0 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.752 | -1.5 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.732 | -1.5 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.304 | 1.4 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.918 | -1.8 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.133 | -2.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.131 | -4.3 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.836 | -1.7 | 103 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 51.054 | -2.1 | 102 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047719.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: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3141
Instrument ID: MSVOA_X
Calibration Date/Time: 09/23/2025 09:02
Lab File ID: VX047719.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.518 | 0.656 | | 26.64 | 20 |
| Chloromethane | 0.680 | 0.808 | 0.1 | 18.82 | 20 |
| Vinyl Chloride | 0.666 | 0.805 | | 20.87 | 20 |
| Bromomethane | 0.422 | 0.530 | | 25.59 | 20 |
| Chloroethane | 0.445 | 0.514 | | 15.51 | 20 |
| Trichlorofluoromethane | 0.989 | 1.104 | | 11.63 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.578 | 0.650 | | 12.46 | 20 |
| 1,1-Dichloroethene | 0.594 | 0.677 | | 13.97 | 20 |
| Acetone | 0.346 | 0.388 | | 12.14 | 20 |
| Carbon Disulfide | 1.626 | 1.899 | | 16.79 | 20 |
| Methyl tert-butyl Ether | 2.169 | 2.452 | | 13.05 | 20 |
| Methyl Acetate | 0.770 | 0.873 | | 13.38 | 20 |
| Methylene Chloride | 0.732 | 0.832 | | 13.66 | 20 |
| trans-1,2-Dichloroethene | 0.640 | 0.741 | | 15.78 | 20 |
| 1,1-Dichloroethane | 1.263 | 1.428 | 0.1 | 13.06 | 20 |
| Cyclohexane | 1.052 | 1.142 | | 8.56 | 20 |
| 2-Butanone | 0.432 | 0.477 | | 10.42 | 20 |
| Carbon Tetrachloride | 0.532 | 0.561 | | 5.45 | 20 |
| cis-1,2-Dichloroethene | 0.783 | 0.903 | | 15.33 | 20 |
| Bromochloromethane | 0.551 | 0.612 | | 11.07 | 20 |
| Chloroform | 1.276 | 1.444 | | 13.17 | 20 |
| 1,1,1-Trichloroethane | 1.082 | 1.211 | | 11.92 | 20 |
| Methylcyclohexane | 0.556 | 0.599 | | 7.73 | 20 |
| Benzene | 1.488 | 1.647 | | 10.69 | 20 |
| 1,2-Dichloroethane | 0.566 | 0.606 | | 7.07 | 20 |
| Trichloroethene | 0.360 | 0.403 | | 11.94 | 20 |
| 1,2-Dichloropropane | 0.381 | 0.426 | | 11.81 | 20 |
| Bromodichloromethane | 0.572 | 0.634 | | 10.84 | 20 |
| 4-Methyl-2-Pentanone | 0.477 | 0.525 | | 10.06 | 20 |
| Toluene | 0.917 | 1.016 | | 10.8 | 20 |
| t-1,3-Dichloropropene | 0.584 | 0.658 | | 12.67 | 20 |
| cis-1,3-Dichloropropene | 0.624 | 0.704 | | 12.82 | 20 |
| 1,1,2-Trichloroethane | 0.354 | 0.392 | | 10.73 | 20 |
| 2-Hexanone | 0.343 | 0.374 | | 9.04 | 20 |
| Dibromochloromethane | 0.407 | 0.464 | | 14.01 | 20 |
| 1,2-Dibromoethane | 0.360 | 0.410 | | 13.89 | 20 |
| Tetrachloroethene | 0.326 | 0.353 | | 8.28 | 20 |
| Chlorobenzene | 1.136 | 1.246 | 0.3 | 9.68 | 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: **VX047719.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: | Alliance | Contract: | TETR06 |
| Lab Code: | ACE | SDG No.: | Q3141 |
| Instrument ID: | MSVOA_X | Calibration Date/Time: | 09/23/2025 09:02 |
| Lab File ID: | VX047719.D | Init. Calib. Date(s): | 09/16/2025 09/16/2025 |
| Heated Purge: (Y/N) | N | Init. Calib. Time(s): | 09:23 12:01 |

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.960 | 2.150 | | 9.69 | 20 |
| m/p-Xylenes | 0.729 | 0.807 | | 10.7 | 20 |
| o-Xylene | 0.706 | 0.790 | | 11.9 | 20 |
| Styrene | 1.236 | 1.382 | | 11.81 | 20 |
| Bromoform | 0.293 | 0.332 | 0.1 | 13.31 | 20 |
| Isopropylbenzene | 3.801 | 4.072 | | 7.13 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.150 | 1.253 | 0.3 | 8.96 | 20 |
| 1,3-Dichlorobenzene | 1.739 | 1.887 | | 8.51 | 20 |
| 1,4-Dichlorobenzene | 1.785 | 1.893 | | 6.05 | 20 |
| 1,2-Dichlorobenzene | 1.657 | 1.825 | | 10.14 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.233 | 0.241 | | 3.43 | 20 |
| 1,2,4-Trichlorobenzene | 1.077 | 1.150 | | 6.78 | 20 |
| 1,2,3-Trichlorobenzene | 1.002 | 1.103 | | 10.08 | 20 |
| 1,2-Dichloroethane-d4 | 0.796 | 0.816 | | 2.51 | 20 |
| Dibromofluoromethane | 0.335 | 0.352 | | 5.07 | 20 |
| Toluene-d8 | 1.160 | 1.200 | | 3.45 | 20 |
| 4-Bromofluorobenzene | 0.440 | 0.459 | | 4.32 | 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\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 145672 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 265022 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 235703 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 115061 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 118904 | 51.280 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 102.560% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 93243 | 52.461 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.920% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 318085 | 51.720 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.440% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 121543 | 52.073 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 95620 | 63.389 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 117705 | 59.371 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 117260 | 60.422 | ug/l | 100 |
| 5) Bromomethane | 1.617 | 94 | 77247 | 62.771 | ug/l | 97 |
| 6) Chloroethane | 1.697 | 64 | 74922 | 57.762 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 160825 | 55.813 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 67493 | 57.259 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 94692 | 56.200 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 152554 | 58.055 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 63172 | 244.621 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 98672 | 57.012 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 67336 | 282.952 | ug/l | 97 |
| 14) Allyl chloride | 2.666 | 41 | 195439 | 54.723 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 275014 | 287.505 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 282461 | 280.166 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 276670 | 58.393 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 127158 | 56.673 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 357198 | 56.537 | ug/l | 99 |
| 20) Methylene Chloride | 2.788 | 84 | 121247 | 56.815 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 107940 | 57.928 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 393344 | 56.829 | ug/l | 100 |
| 23) Vinyl Acetate | 3.709 | 43 | 1605465 | 289.816 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 207990 | 56.537 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 347300 | 276.163 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 167410 | 54.744 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 131508 | 57.629 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 89169 | 55.520 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.983 | 42 | 207795 | 274.666 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 210287 | 56.566 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 166413 | 54.312 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 176453 | 55.958 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 136661 | 52.619 | ug/l | 98 |
| 37) Ethyl Acetate | 4.696 | 43 | 148064 | 53.244 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 148597 | 52.659 | ug/l | 96 |
| 39) Methylcyclohexane | 7.360 | 83 | 158624 | 53.805 | ug/l | 99 |
| 40) Benzene | 6.019 | 78 | 436446 | 55.328 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 78988 | 55.020 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 160490 | 53.472 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 246709 | 54.094 | ug/l | | 100 |
| 44) Trichloroethene | 7.104 | 130 | 106747 | 55.974 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 112815 | 55.852 | ug/l | | 100 |
| 46) Dibromomethane | 7.562 | 93 | 81231 | 55.264 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.805 | 83 | 168096 | 55.419 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 121390 | 53.434 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.641 | 88 | 28790 | 1254.001 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 695707 | 275.127 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 269293 | 55.411 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 174332 | 56.347 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 186621 | 56.434 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 104009 | 55.502 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 167018 | 56.751 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 182551 | 56.707 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 389211 | 274.956 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 495514 | 272.845 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 123071 | 56.997 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 108549 | 56.870 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 83230 | 54.167 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 293695 | 54.848 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 103750 | 56.149 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 506854 | 54.859 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 380464 | 110.636 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 186157 | 55.967 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 325724 | 55.888 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 78229 | 56.699 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 468503 | 53.558 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 216957 | 54.388 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 144143 | 54.463 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 113886m | 48.886 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 118485 | 54.994 | ug/l | | 96 |
| 78) n-propylbenzene | 11.286 | 91 | 557613 | 53.923 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 337904 | 53.352 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 387138 | 53.867 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 48023 | 52.569 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 396717 | 53.035 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 390632 | 53.095 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 394502 | 54.142 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 468381 | 53.598 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 395524 | 53.461 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 217150 | 54.263 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 217807 | 53.031 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 364819 | 53.292 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 70085 | 53.956 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 210035 | 55.091 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 27679 | 51.656 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 132366 | 53.421 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 44561 | 52.946 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 405500 | 53.744 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 126908 | 55.060 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| 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\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
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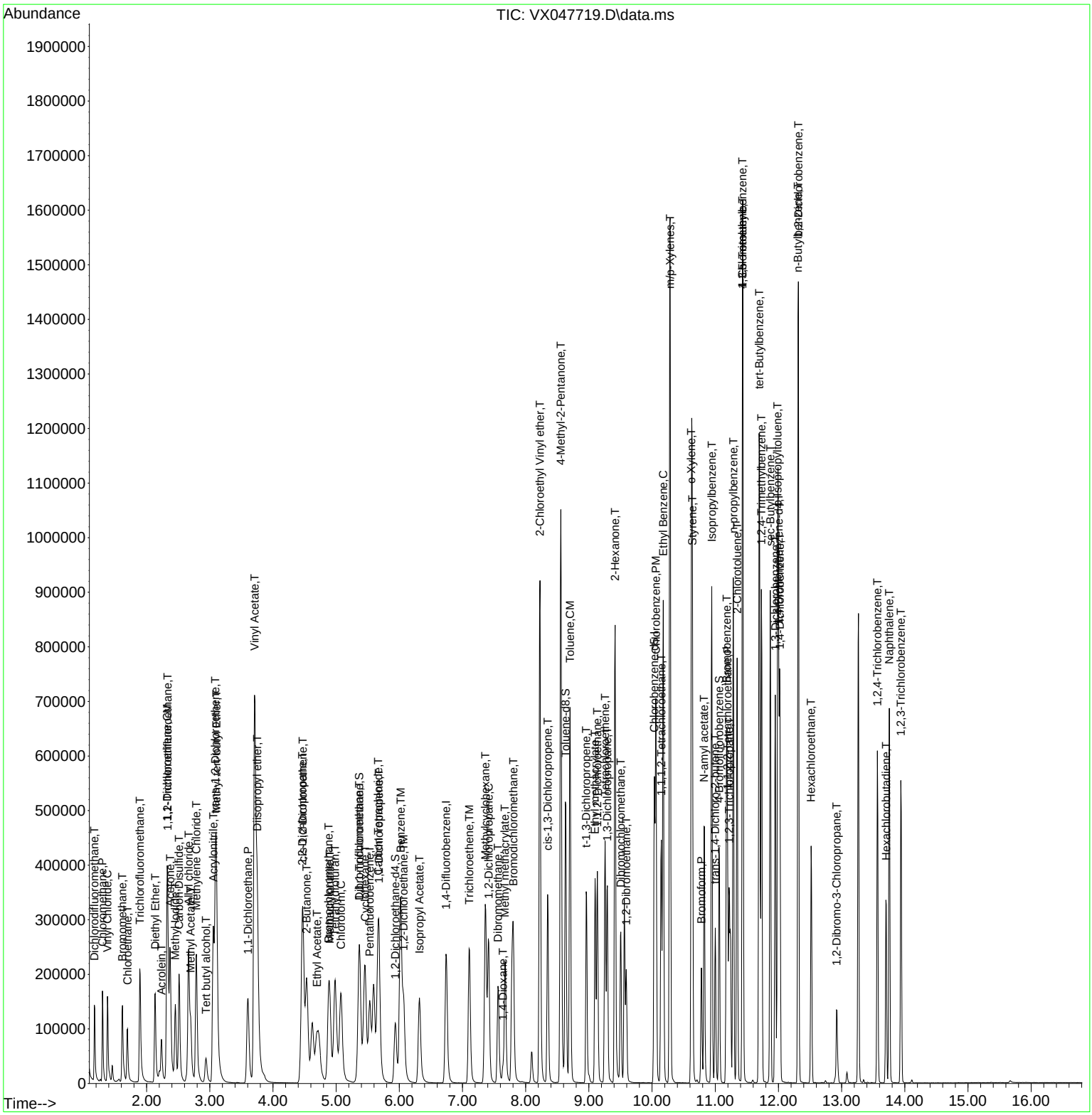
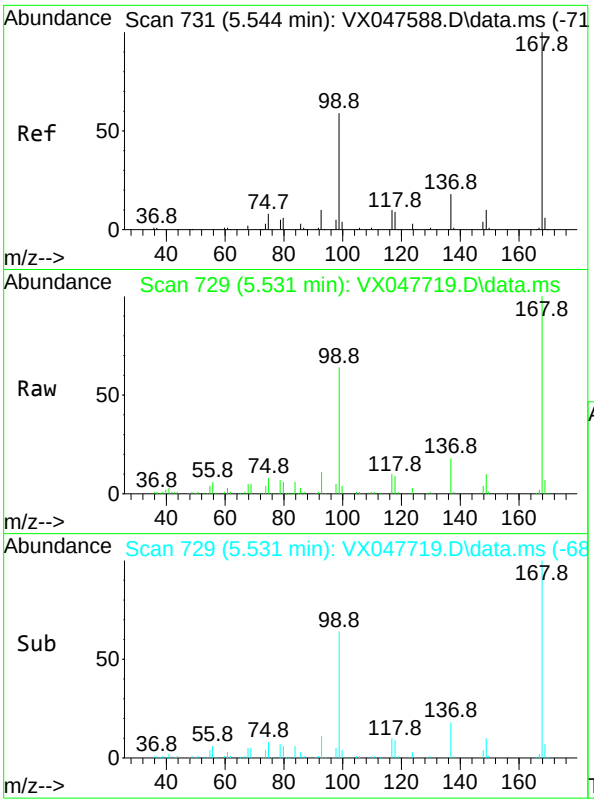
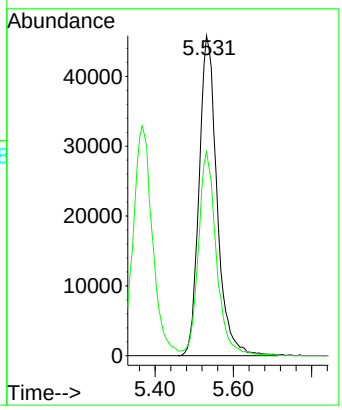





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:168 Resp: 14567

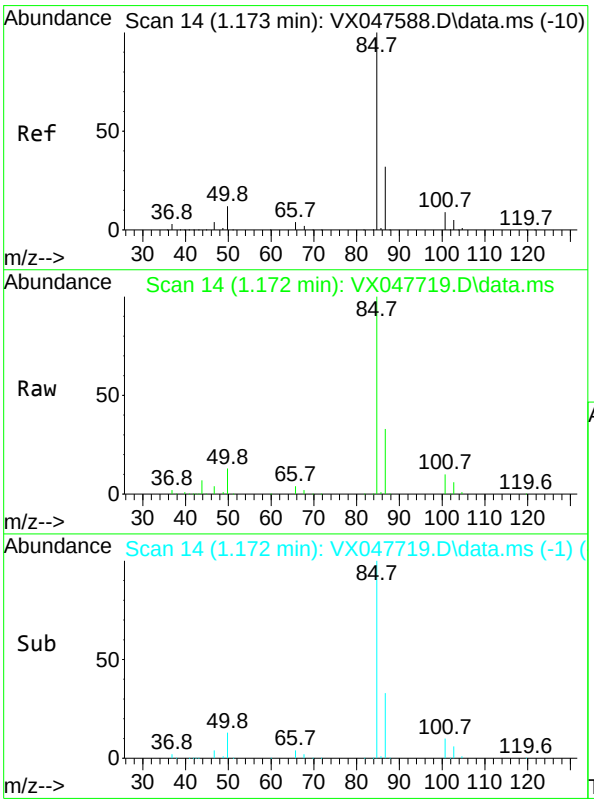
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.8 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

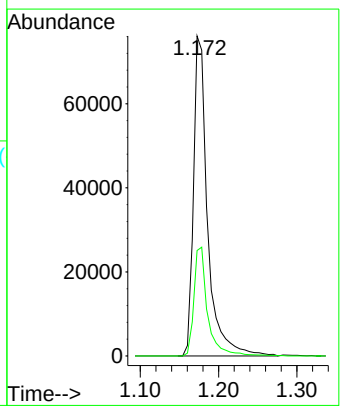
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

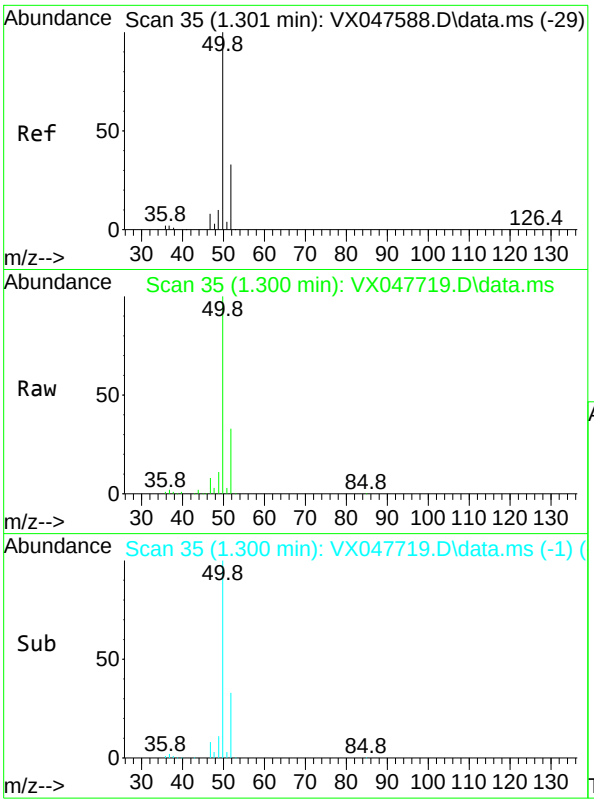



#2
Dichlorodifluoromethane
Concen: 63.389 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 85 Resp: 95620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |

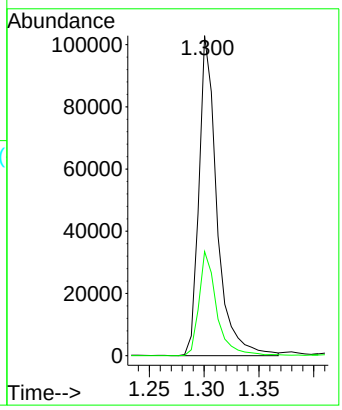





#3
Chloromethane
Concen: 59.371 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 50 Resp: 11770

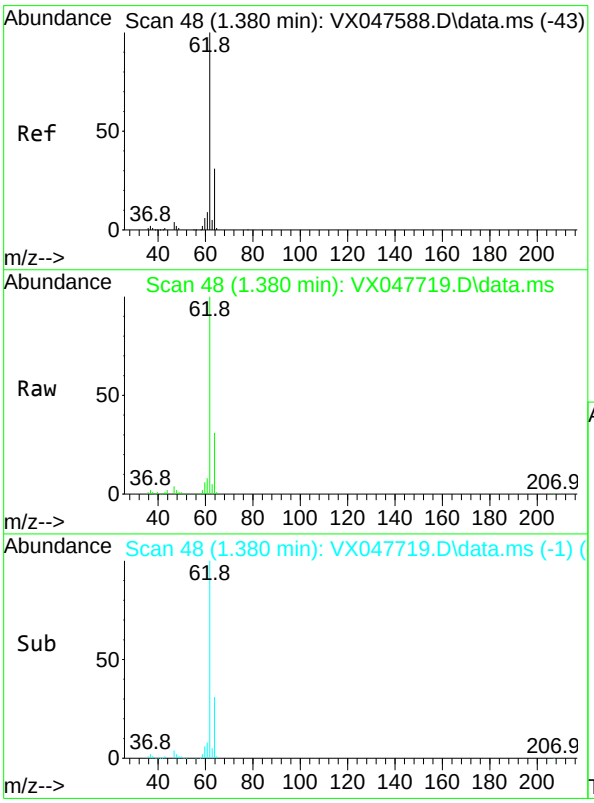
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

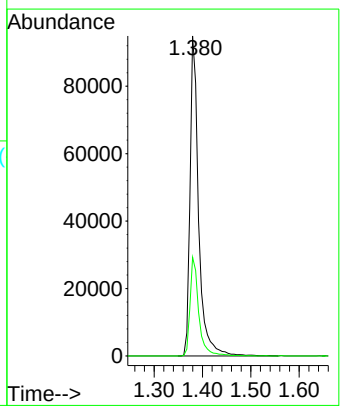
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

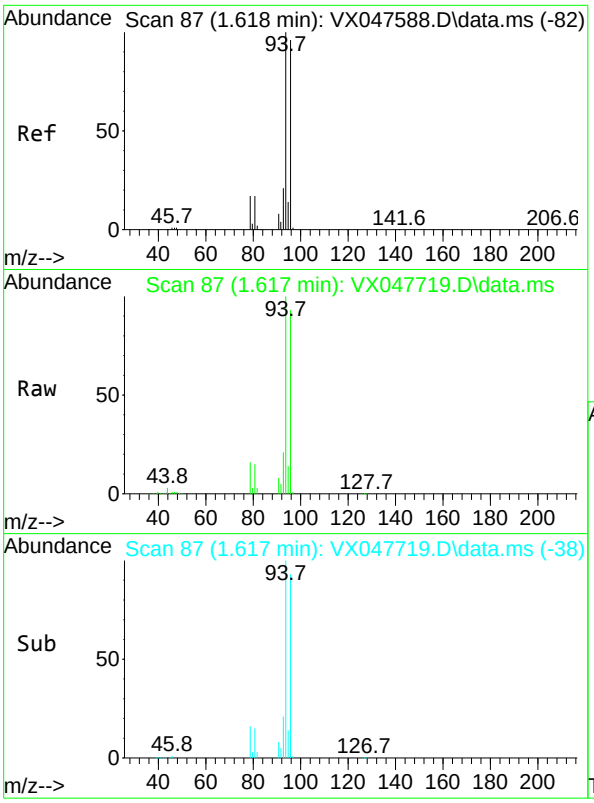



#4
Vinyl Chloride
Concen: 60.422 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 62 Resp: 117260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 24.9 | 37.3 |

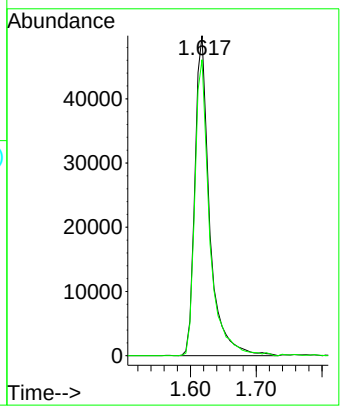





#5
Bromomethane
Concen: 62.771 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 94 Resp: 7724

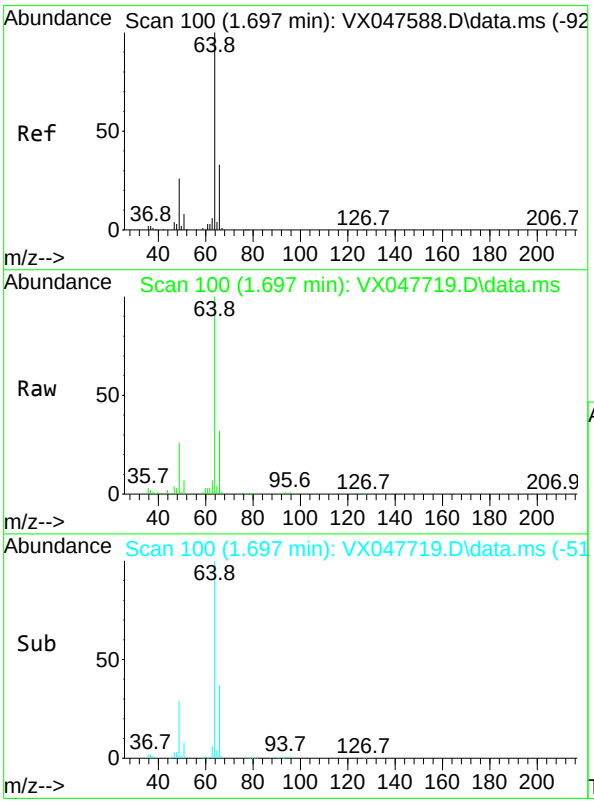
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.5 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

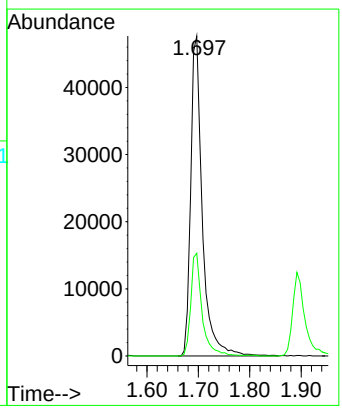
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

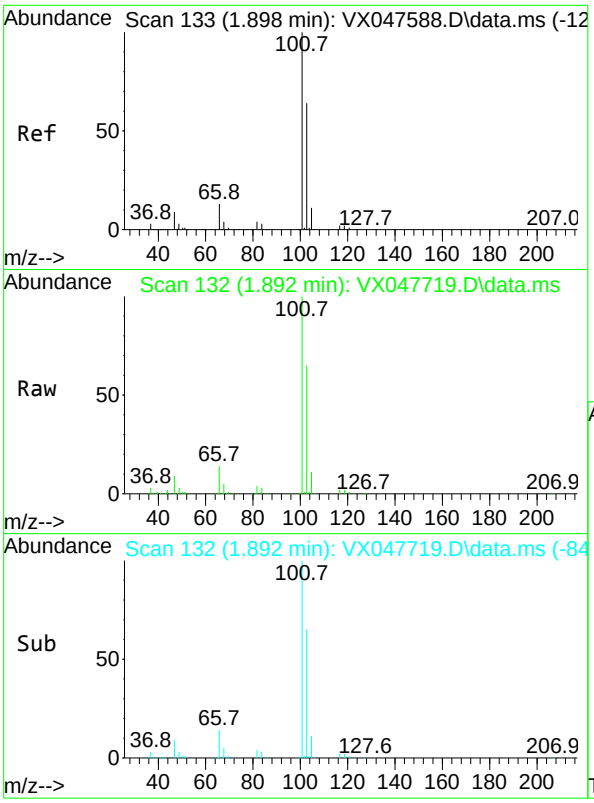



#6
Chloroethane
Concen: 57.762 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 64 Resp: 74922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.1 | 39.1 |

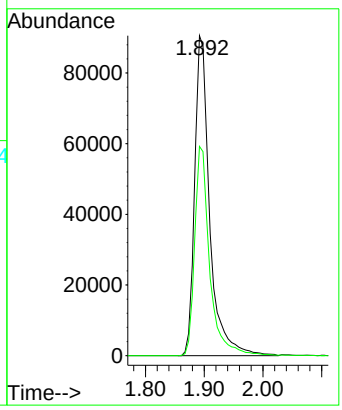





#7
Trichlorofluoromethane
Concen: 55.813 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:101 Resp: 16082

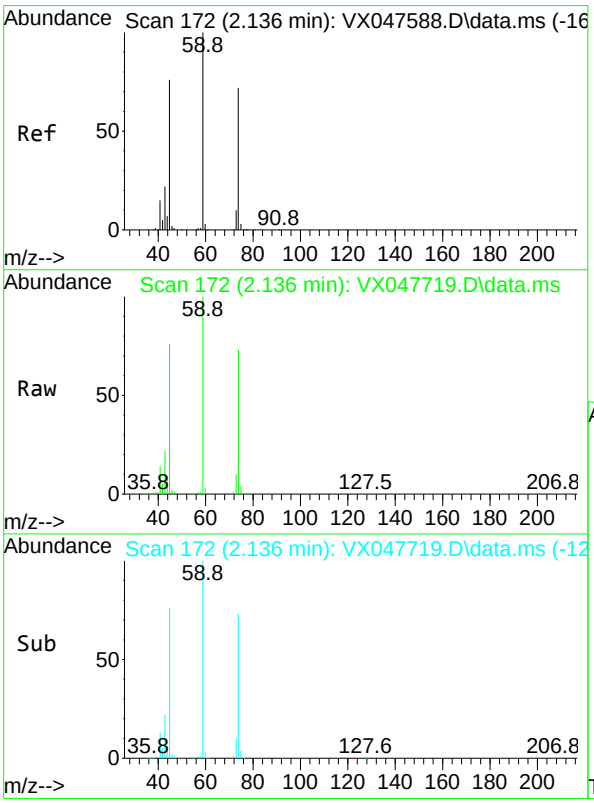
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

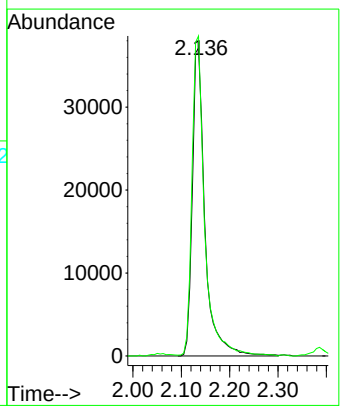
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

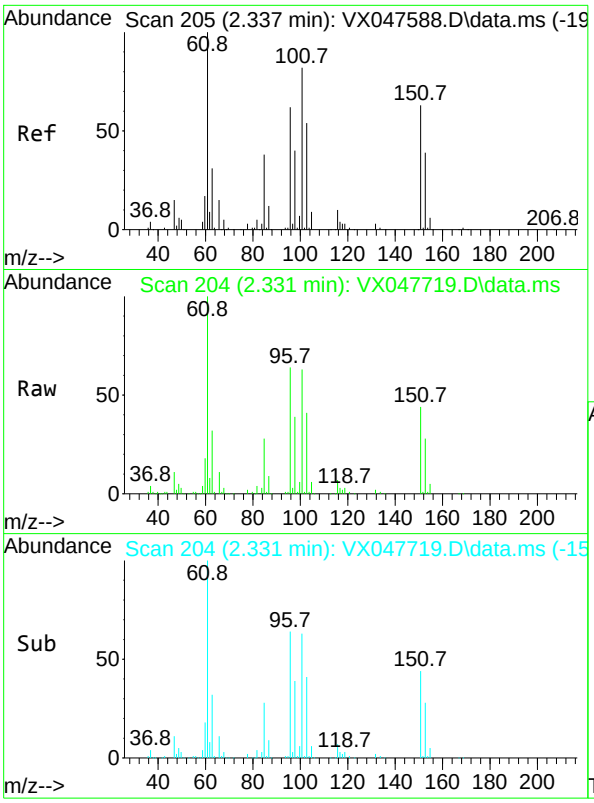



#8
Diethyl Ether
Concen: 57.259 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 74 Resp: 67493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.1 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.200 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

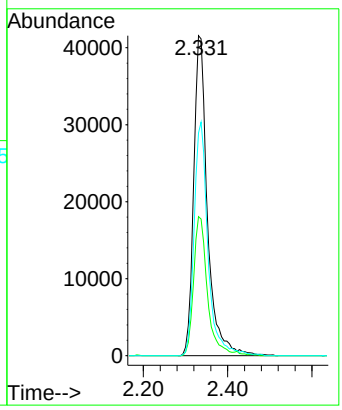
Tgt Ion:101 Resp: 9469

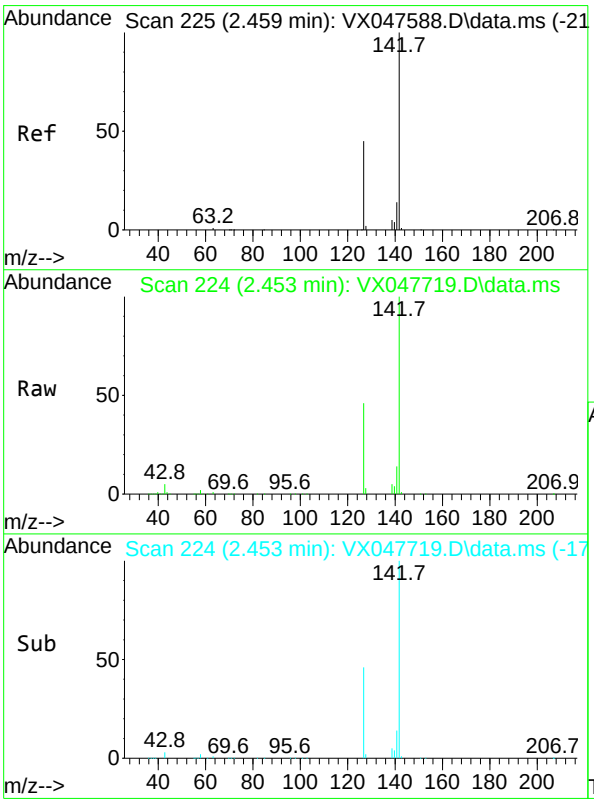
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.5 | 53.3 |
| 151 | 73.5 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

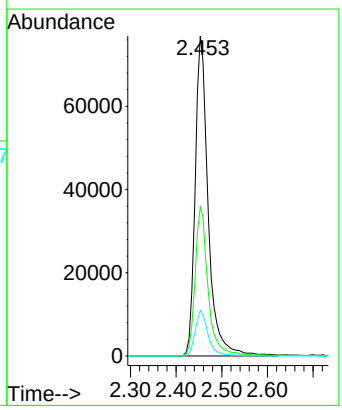


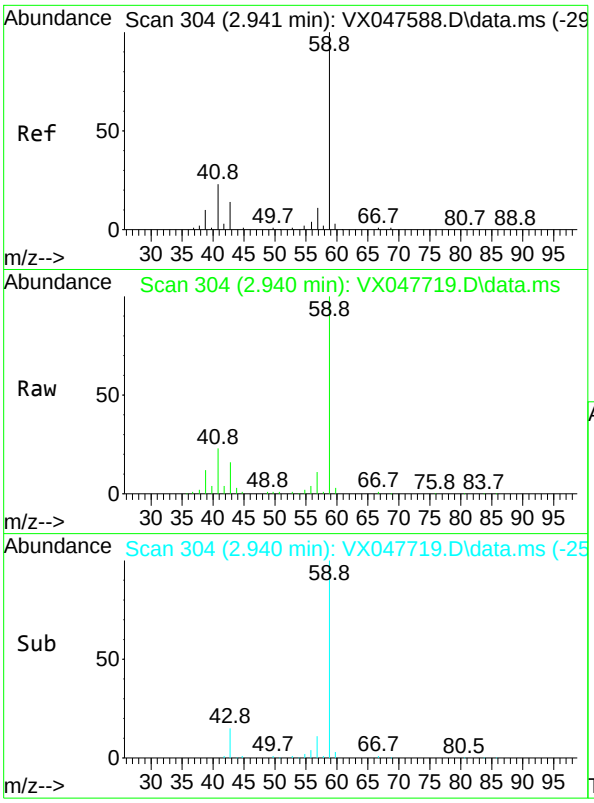




#10
Methyl Iodide
Concen: 58.055 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:142 Resp: 152554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 37.2 | 55.8 |
| 141 | 14.2 | 11.4 | 17.0 |

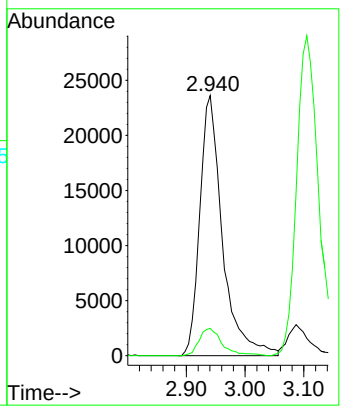





#11
Tert butyl alcohol
Concen: 244.621 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 59 Resp: 6317

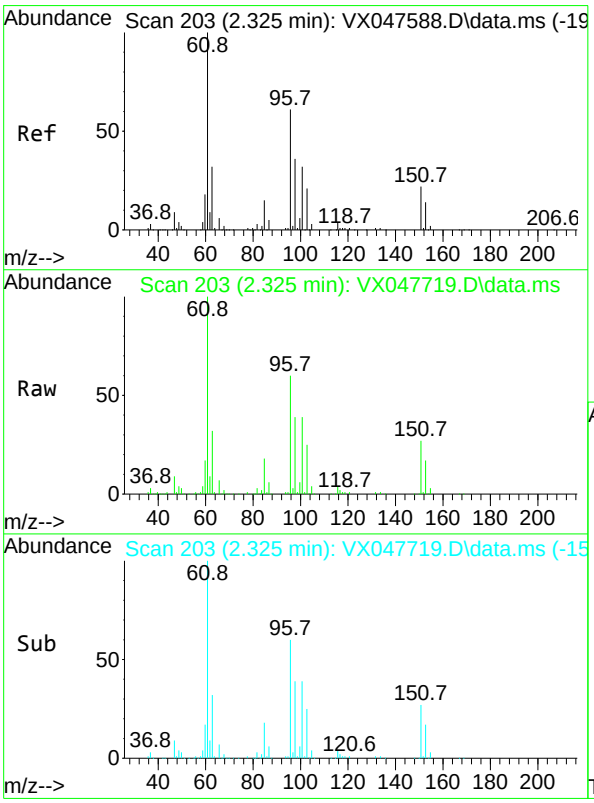
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

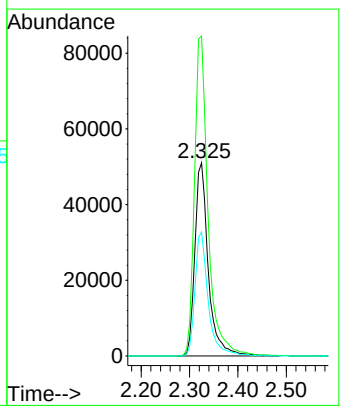
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

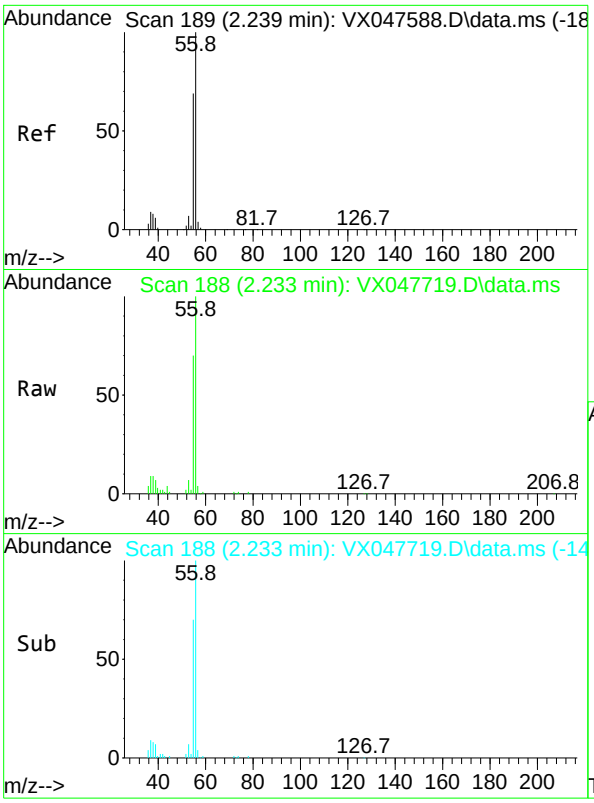



#12
1,1-Dichloroethene
Concen: 57.012 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 96 Resp: 98672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 131.0 | 196.6 |
| 98 | 64.2 | 47.7 | 71.5 |

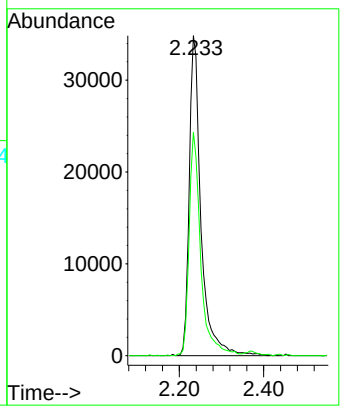





#13
Acrolein
Concen: 282.952 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 56 Resp: 6733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.0 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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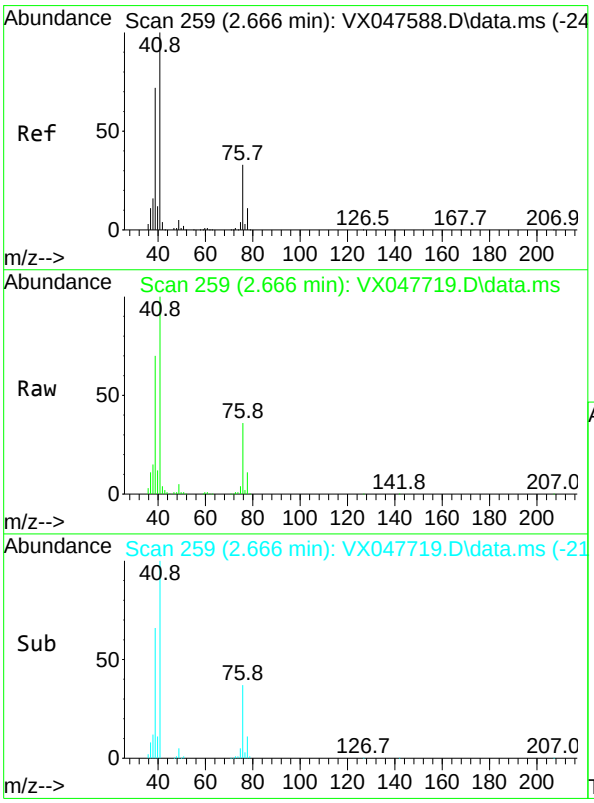
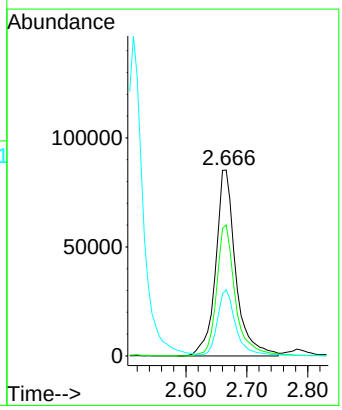
Supervised By :Mahesh Dadoda 09/26/2025

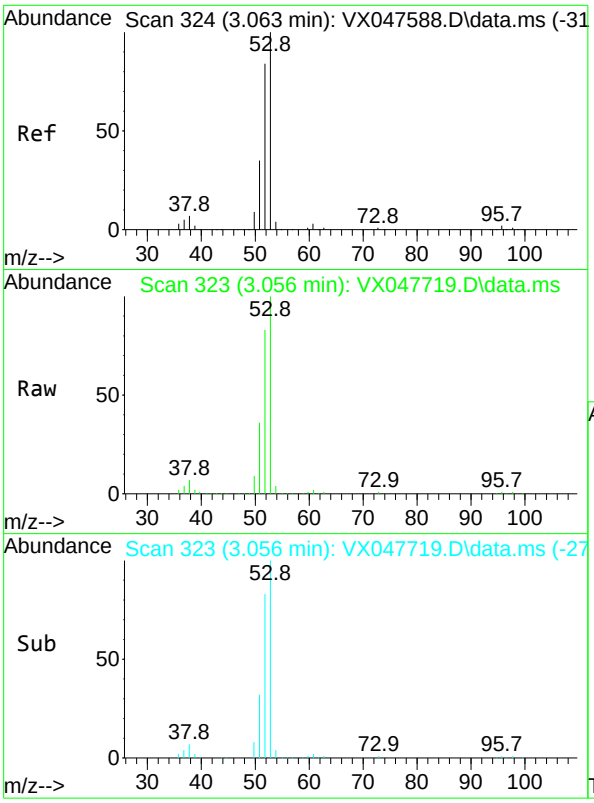



#14
Allyl chloride
Concen: 54.723 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 41 Resp: 195439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.1 | 54.7 | 82.1 |
| 76 | 32.6 | 25.7 | 38.5 |

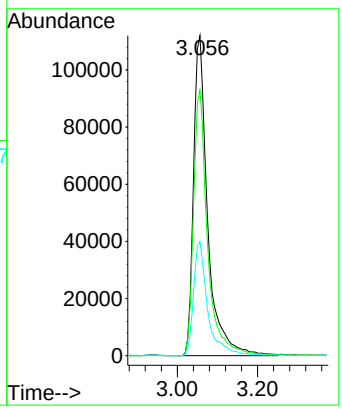





#15
Acrylonitrile
Concen: 287.505 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 53 Resp: 27501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 35.8 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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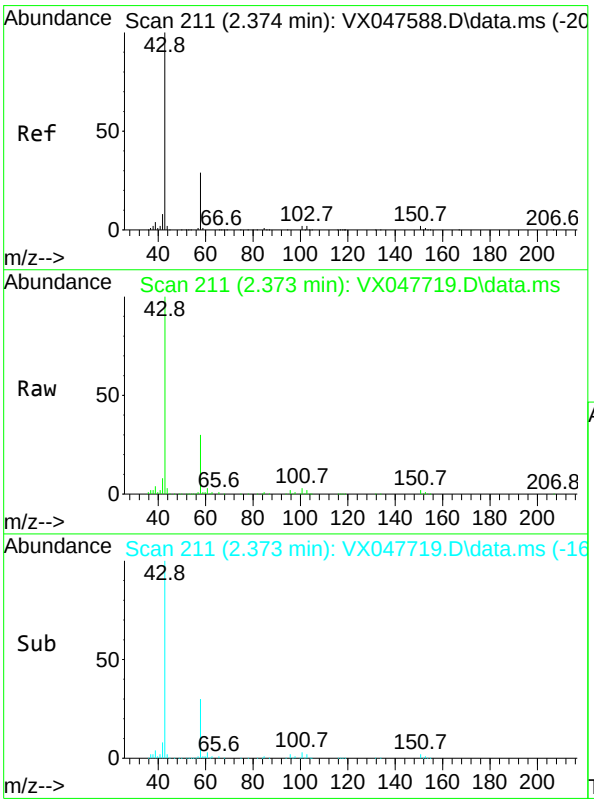
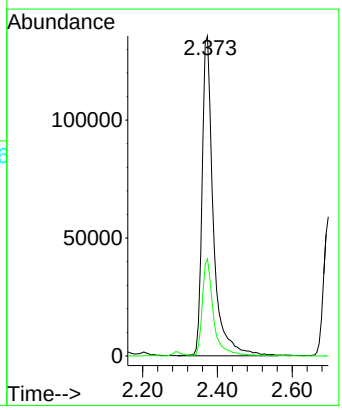
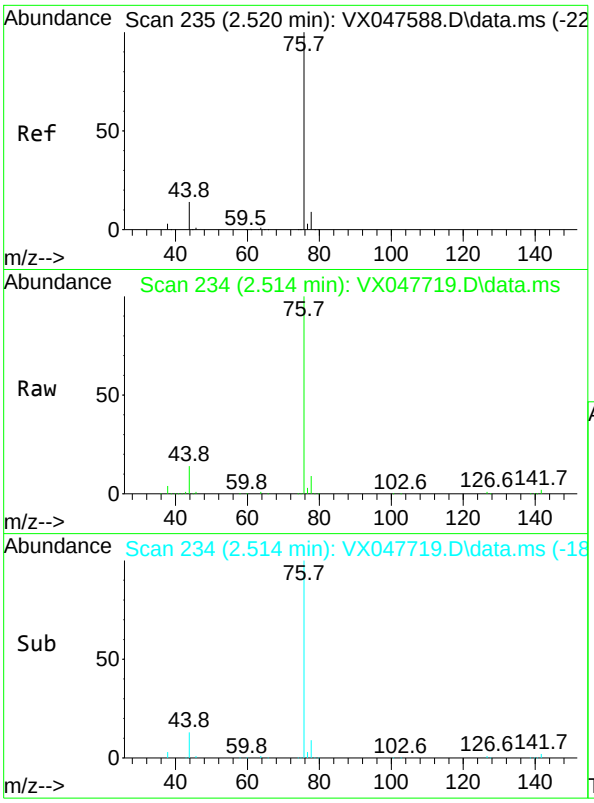



#16
Acetone
Concen: 280.166 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 282461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.4 | 35.0 |

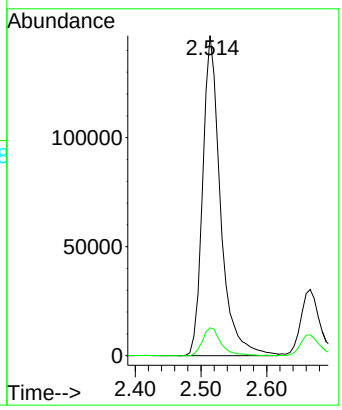





#17
Carbon Disulfide
Concen: 58.393 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 76 Resp: 27667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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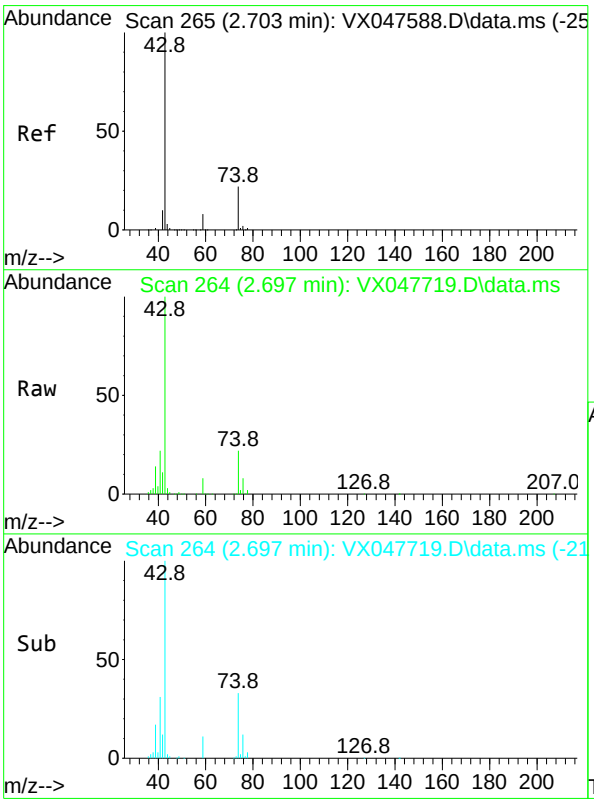
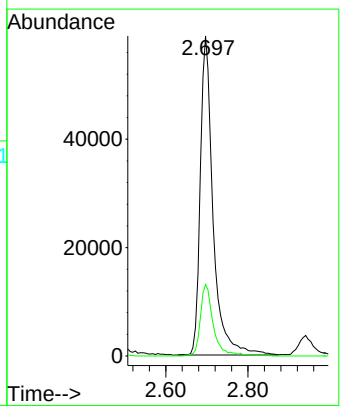
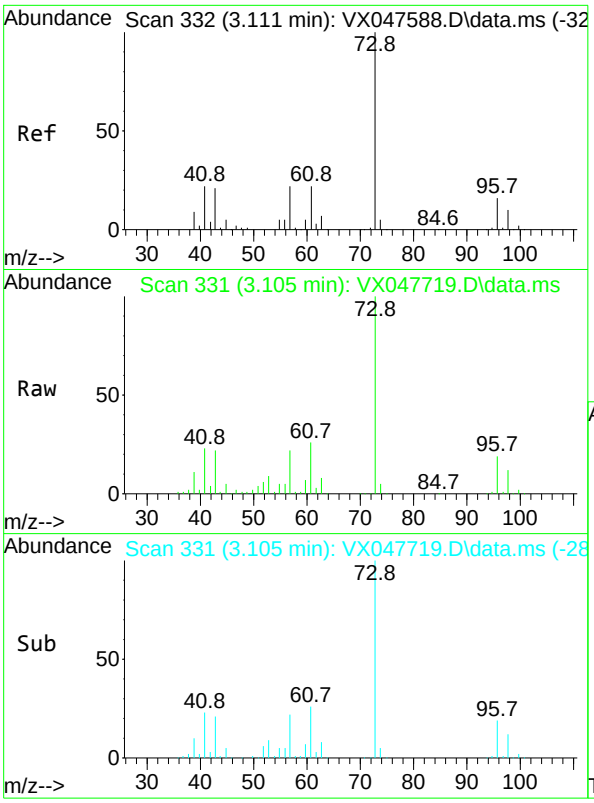



#18
Methyl Acetate
Concen: 56.673 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 127158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |

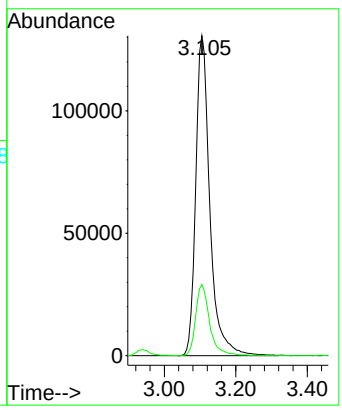





#19
Methyl tert-butyl Ether
Concen: 56.537 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 73 Resp: 35719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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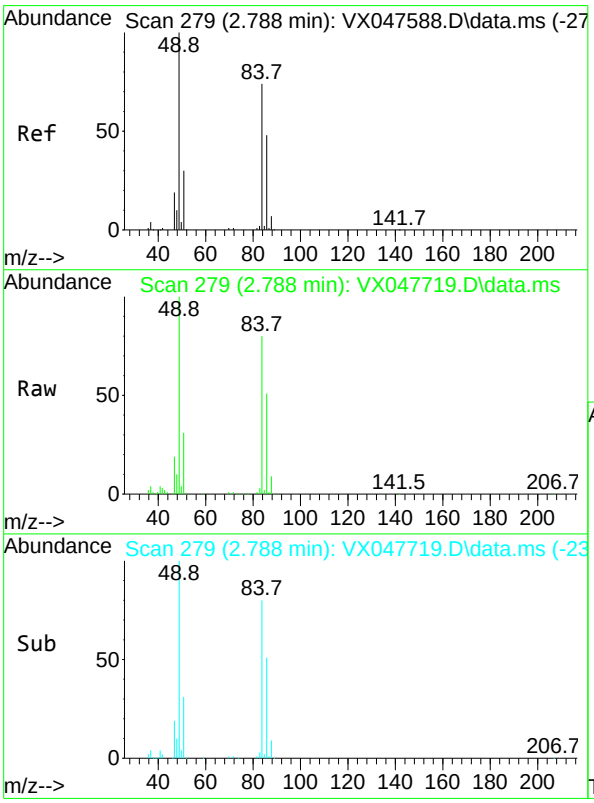
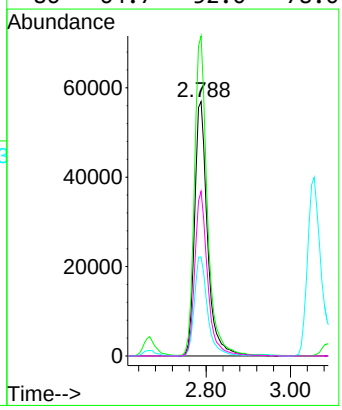
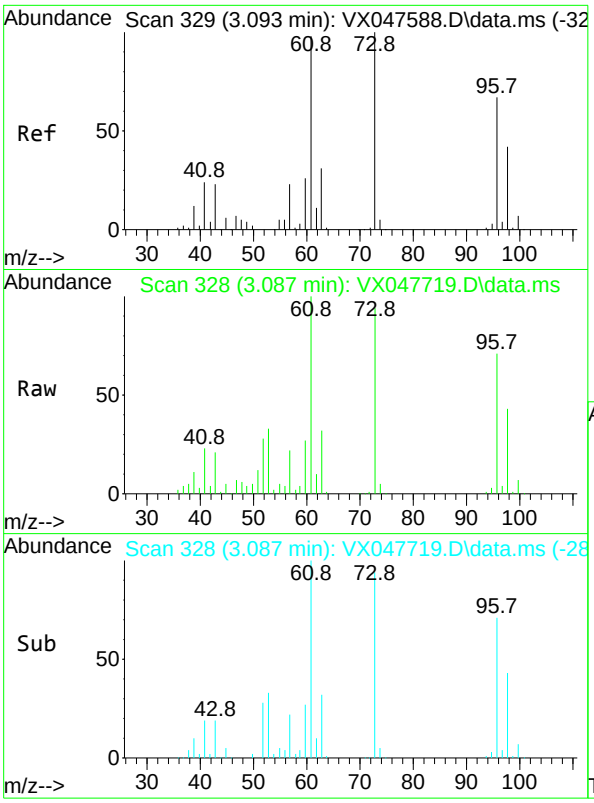



#20
Methylene Chloride
Concen: 56.815 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 84 Resp: 121247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.5 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |

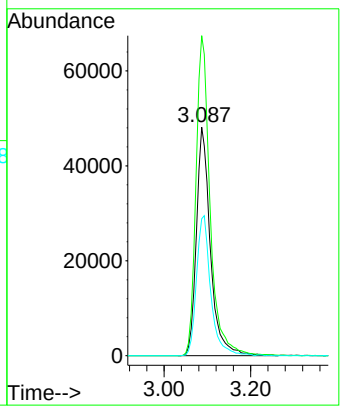





#21
trans-1,2-Dichloroethene
Concen: 57.928 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 96 Resp: 10794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 116.2 | 174.2 |
| 98 | 59.9 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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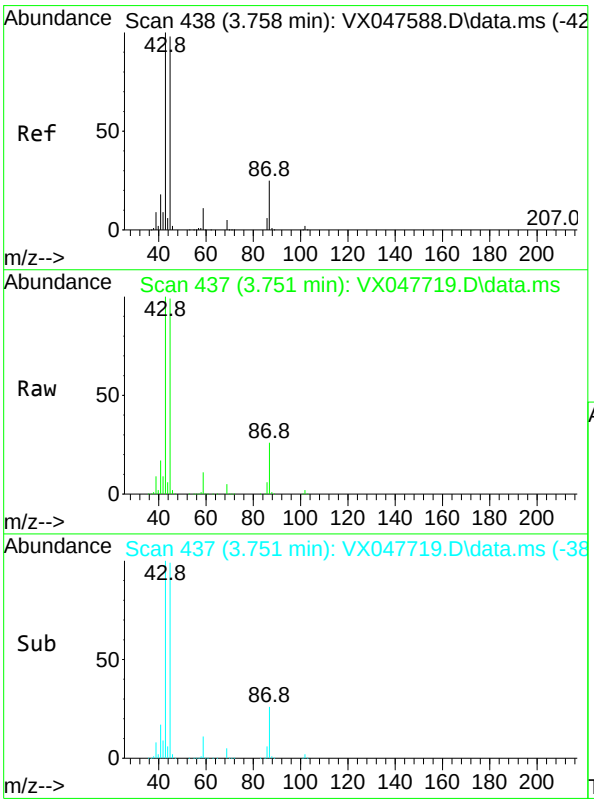
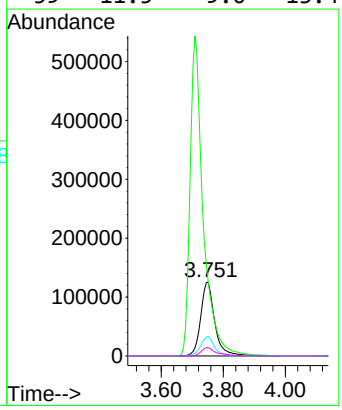
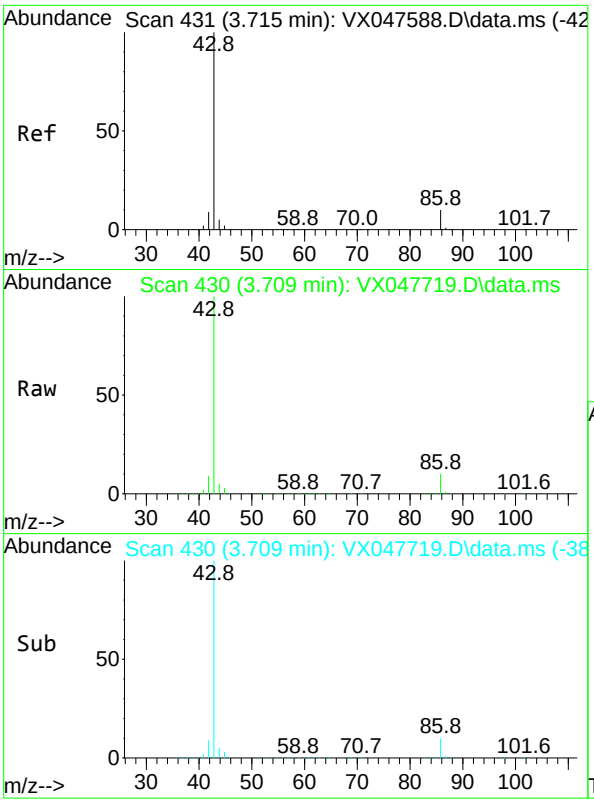



#22
Diisopropyl ether
Concen: 56.829 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 45 Resp: 393344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.4 | 81.0 | 121.4 |
| 87 | 26.1 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 289.816 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 160546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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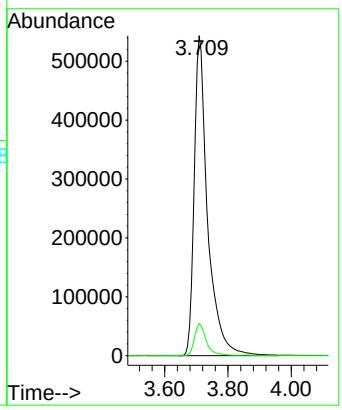
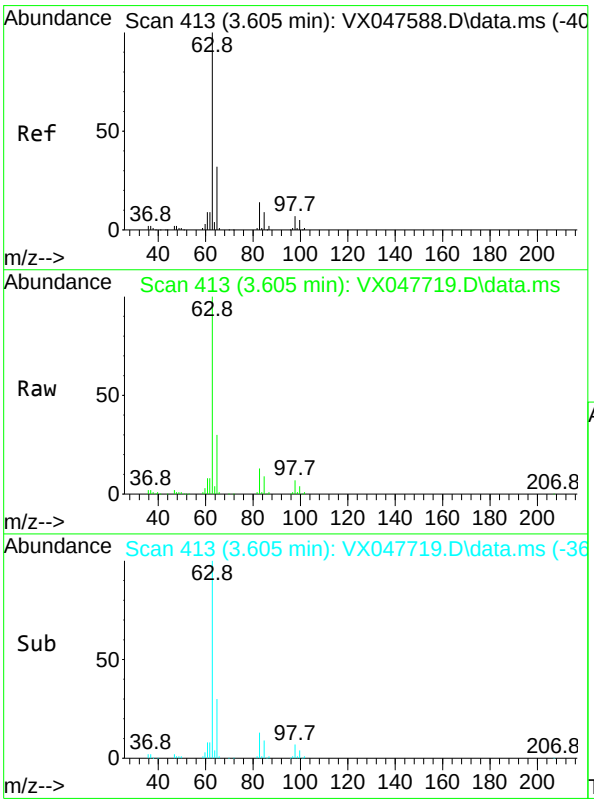
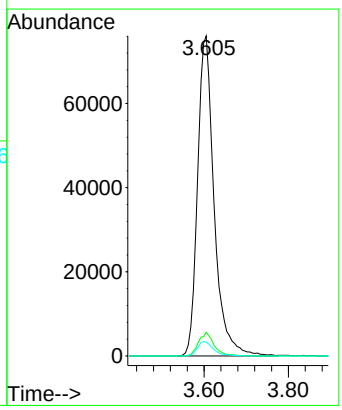


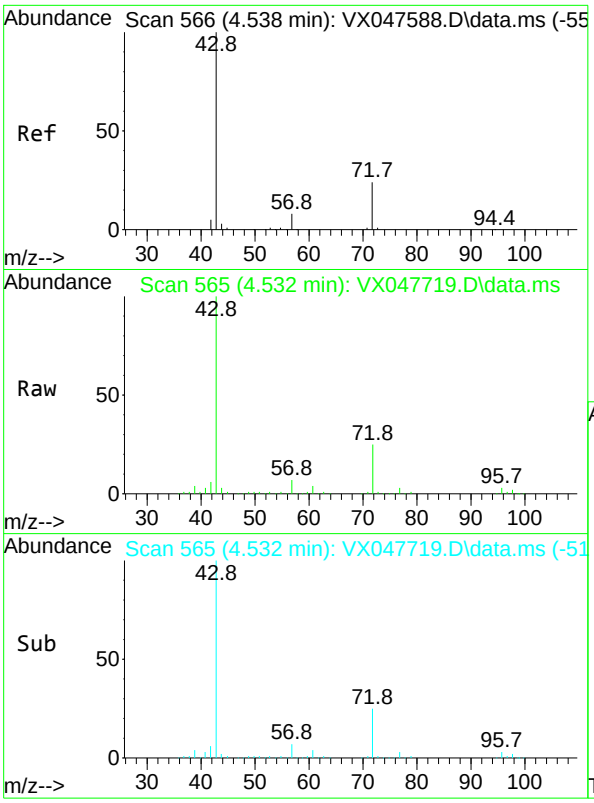




#24
1,1-Dichloroethane
Concen: 56.537 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 63 Resp: 207990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |

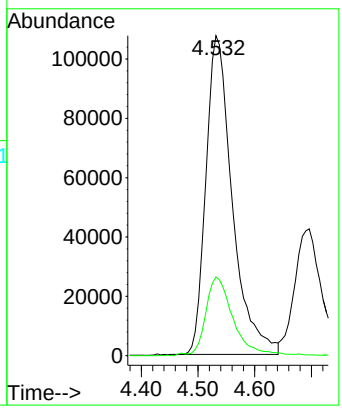





#25
2-Butanone
Concen: 276.163 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 34730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 20.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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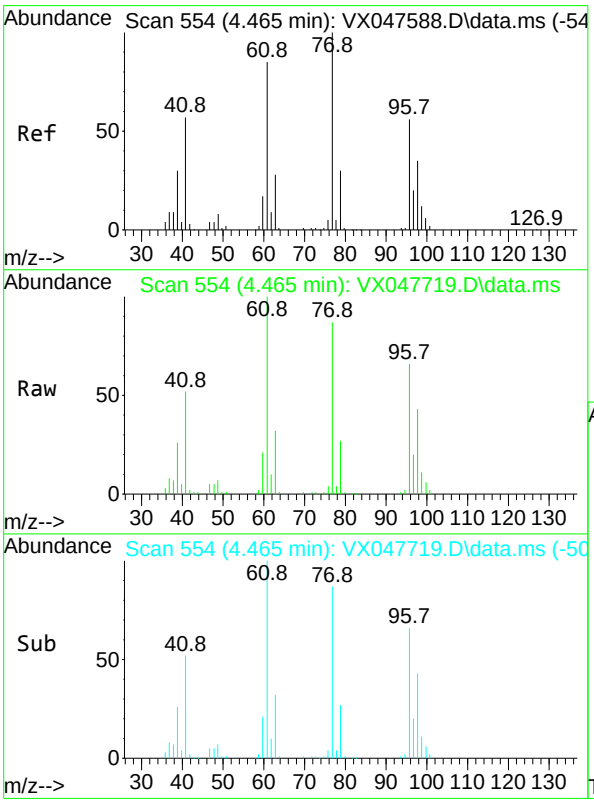
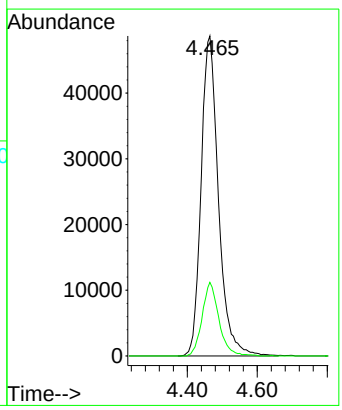
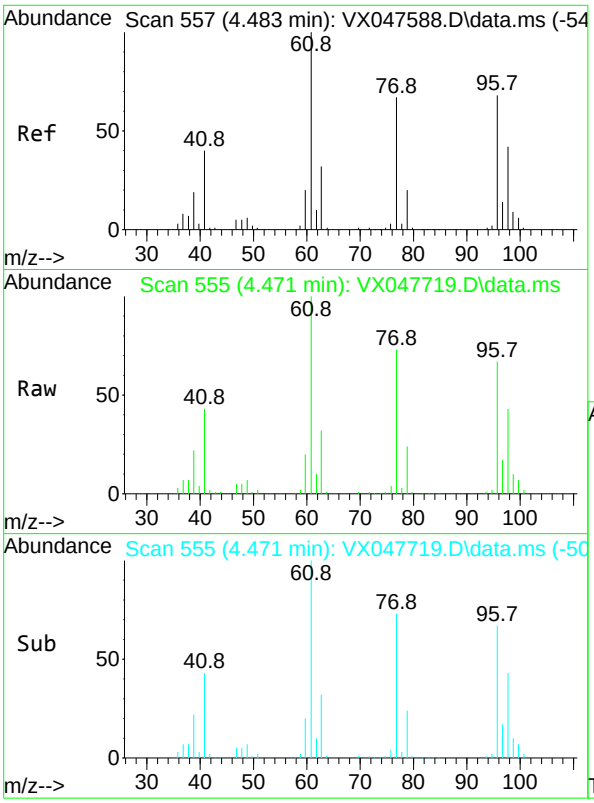



#26
2,2-Dichloropropane
Concen: 54.744 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 77 Resp: 167410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 10.9 | 32.7 |

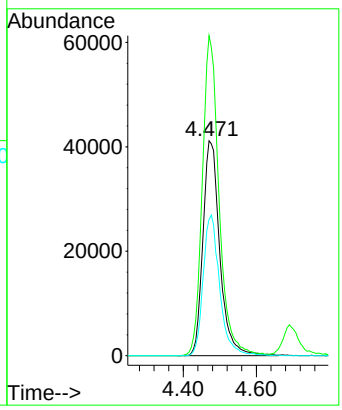





#27
cis-1,2-Dichloroethene
Concen: 57.629 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 96 Resp: 13150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.0 | 0.0 | 303.2 |
| 98 | 64.1 | 0.0 | 127.8 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050

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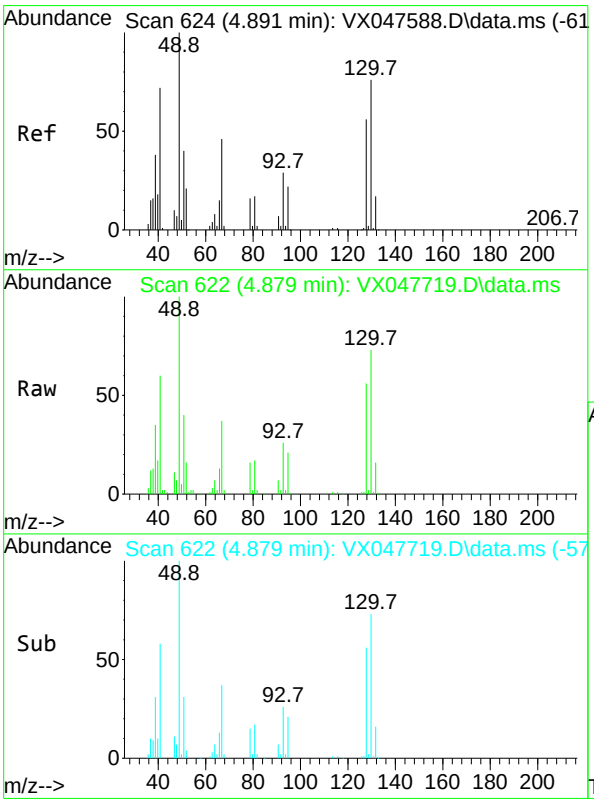
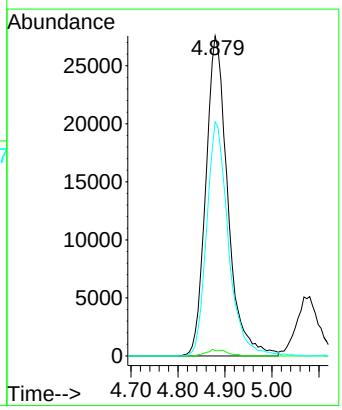
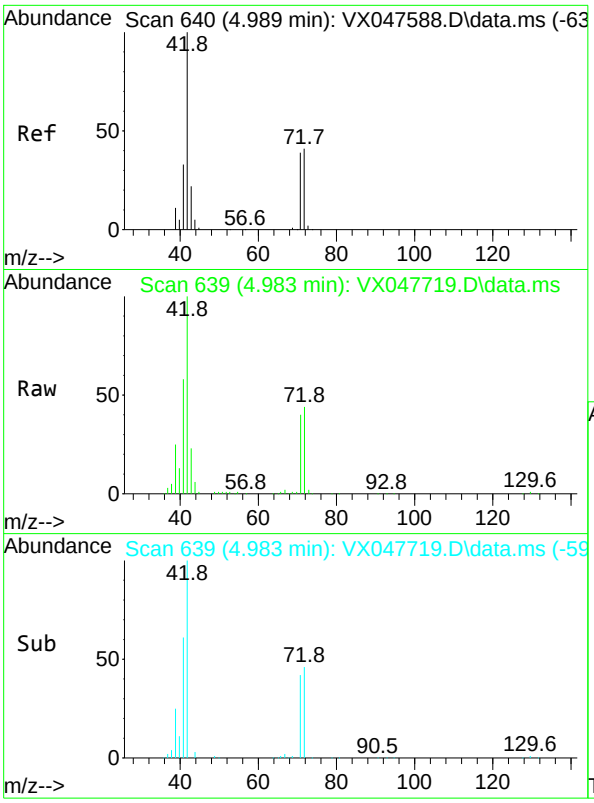



#28
Bromochloromethane
Concen: 55.520 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 49 Resp: 89169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 274.666 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 42 Resp: 20779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.5 | 34.2 | 51.2 |
| 71 | 40.0 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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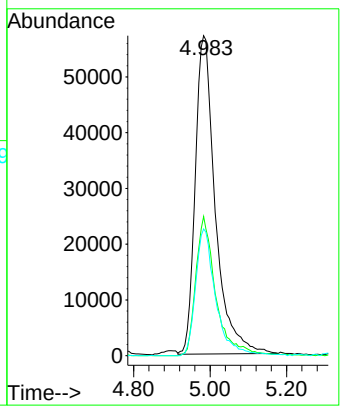
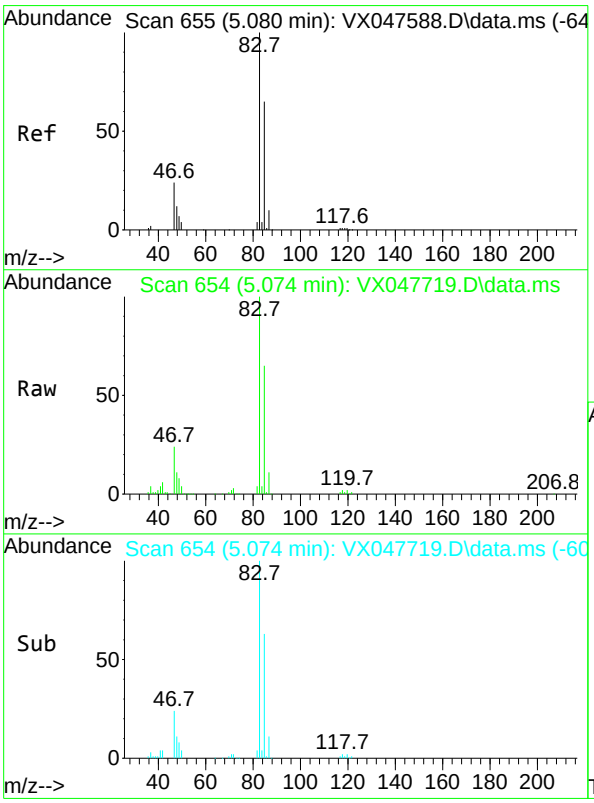
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

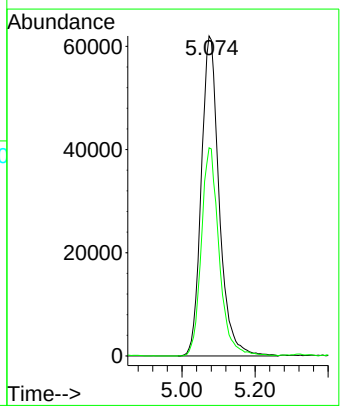


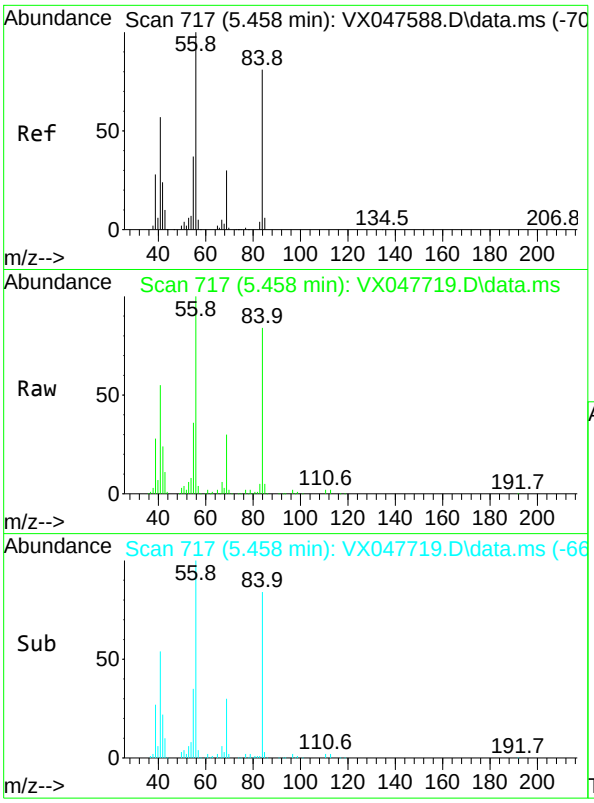




#30
Chloroform
Concen: 56.566 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 83 Resp: 210287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.8 | 77.6 |

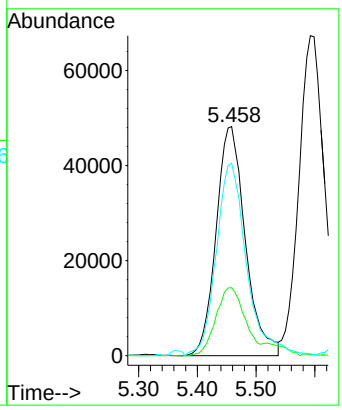





#31
Cyclohexane
Concen: 54.312 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 56 Resp: 16641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.3 | 23.8 | 35.8 |
| 84 | 81.9 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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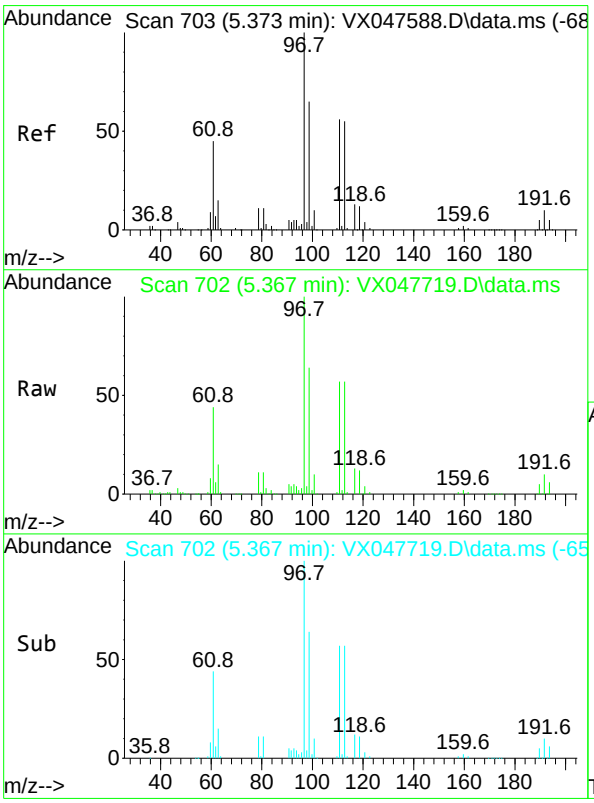
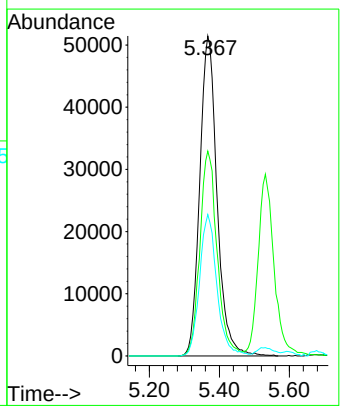
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

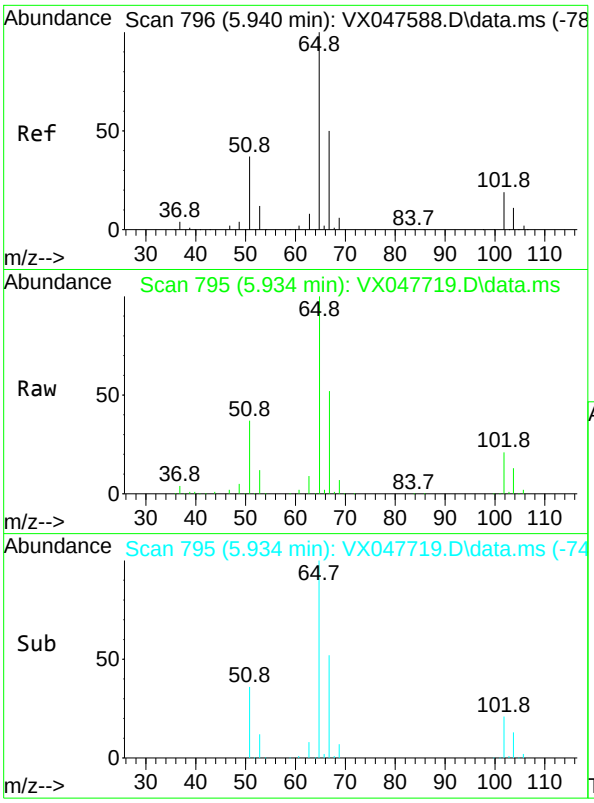



#32
1,1,1-Trichloroethane
Concen: 55.958 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 97 Resp: 176453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 44.3 | 35.8 | 53.8 |

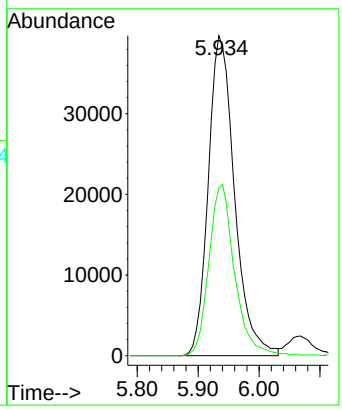





#33
1,2-Dichloroethane-d4
Concen: 51.280 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 65 Resp: 11890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 103.0 |




**Instrument :**
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VSTDCCC050

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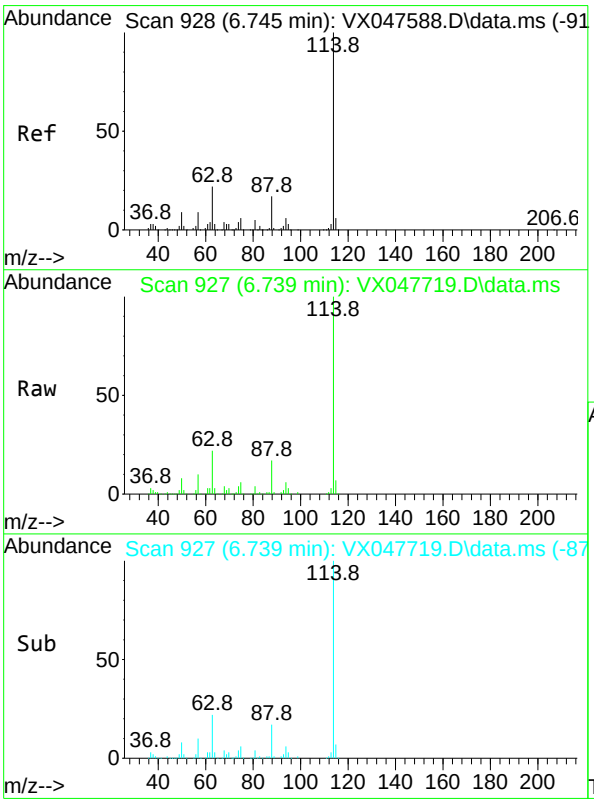
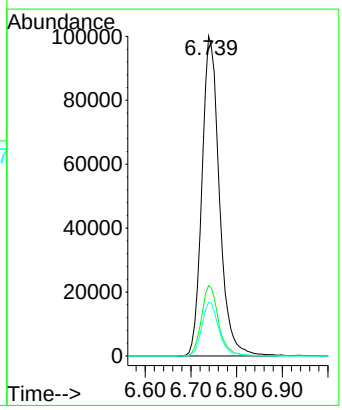
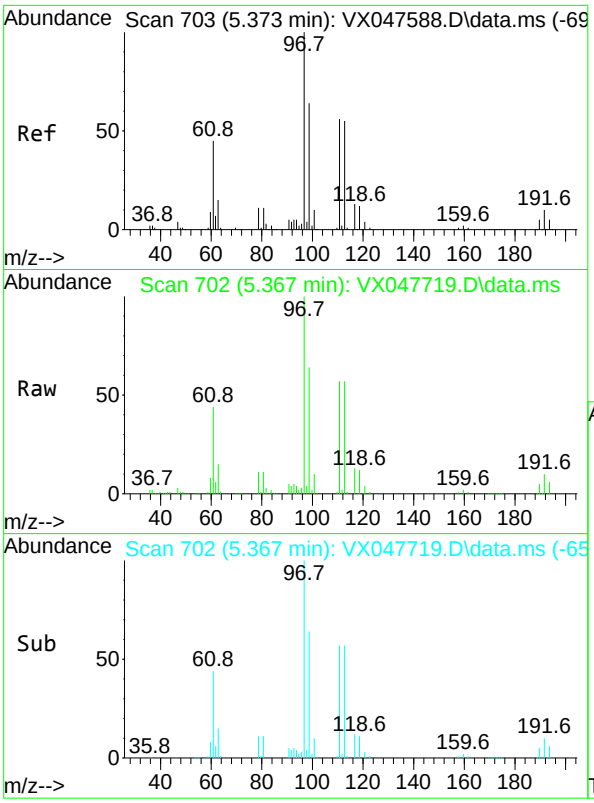



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:114 Resp: 265022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |

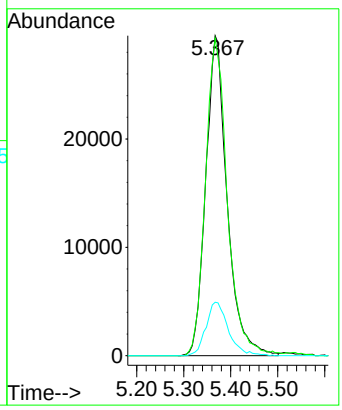





#35
Dibromofluoromethane
Concen: 52.461 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:113 Resp: 9324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 80.9 | 121.3 |
| 192 | 17.5 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
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VSTDCCC050

**Manual Integrations**
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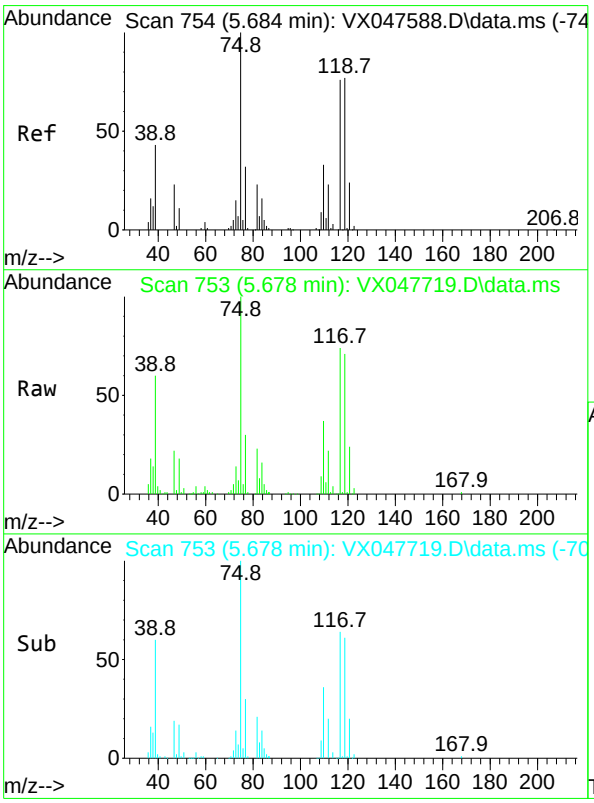
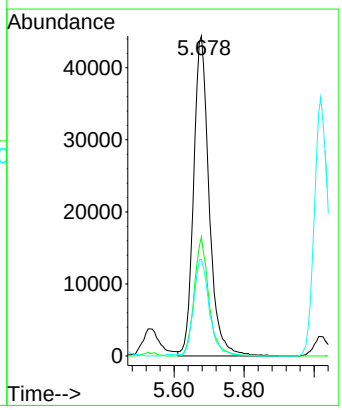
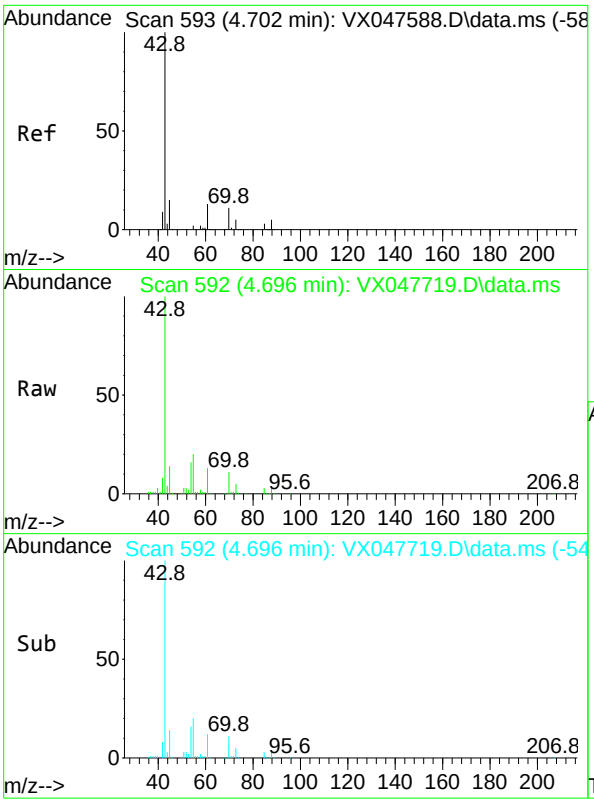



#36
1,1-Dichloropropene
Concen: 52.619 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 136661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 16.7 | 50.1 |
| 77 | 30.9 | 24.3 | 36.5 |

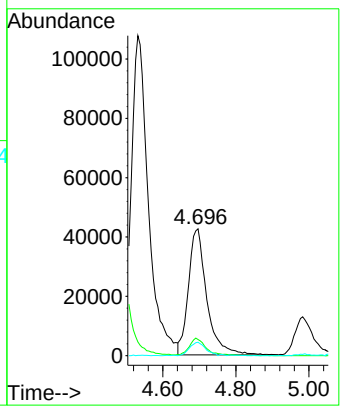





#37
Ethyl Acetate
Concen: 53.244 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 14806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 9.8 | 14.8 |
| 70 | 9.3 | 7.9 | 11.9 |




**Instrument :**
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VSTDCCC050

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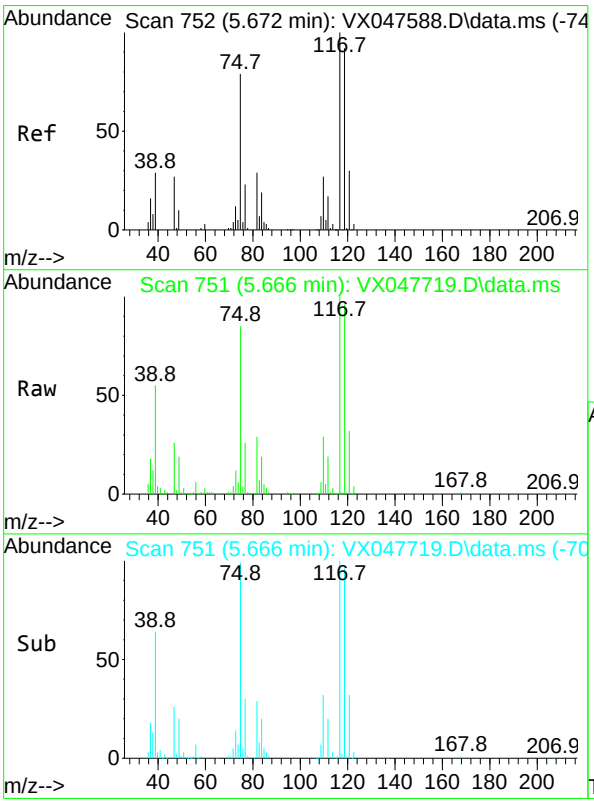
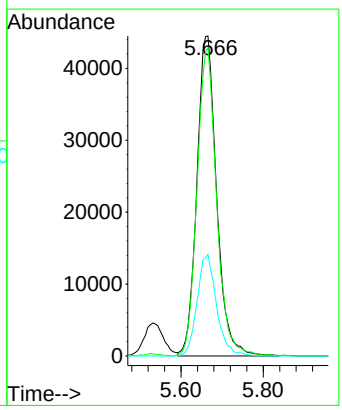
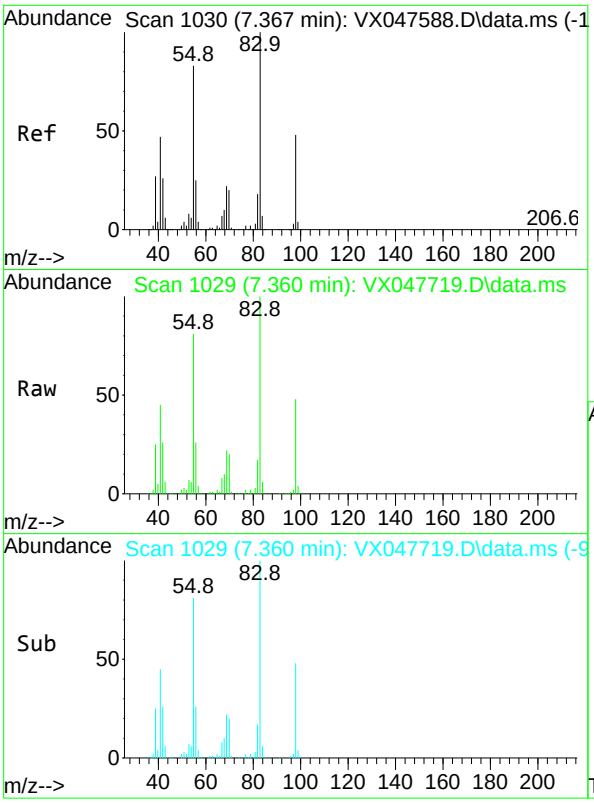



#38
Carbon Tetrachloride
Concen: 52.659 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:117 Resp: 148597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 73.4 | 110.2 |
| 121 | 31.7 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 53.805 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 83 Resp: 15862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 66.4 | 99.6 |
| 98 | 48.1 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
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VSTDCCC050

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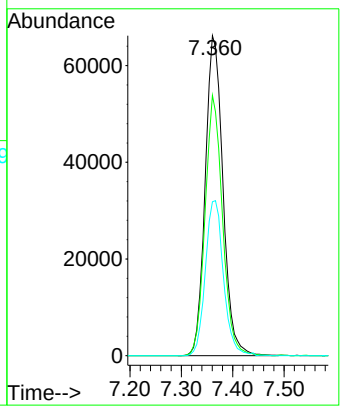
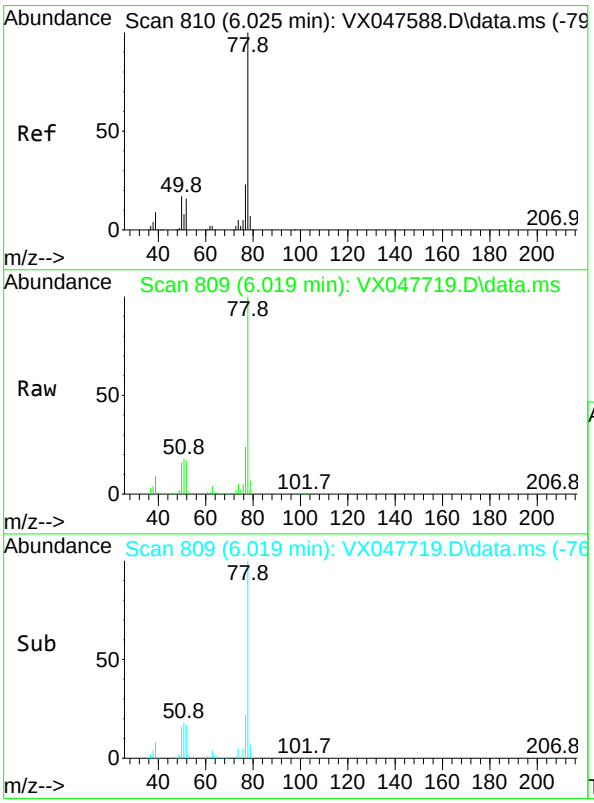
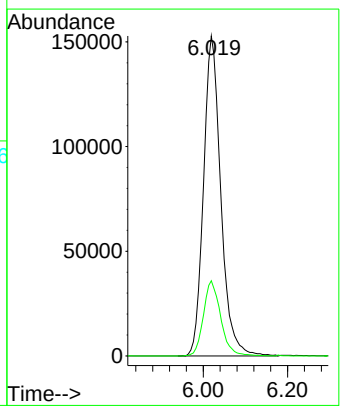


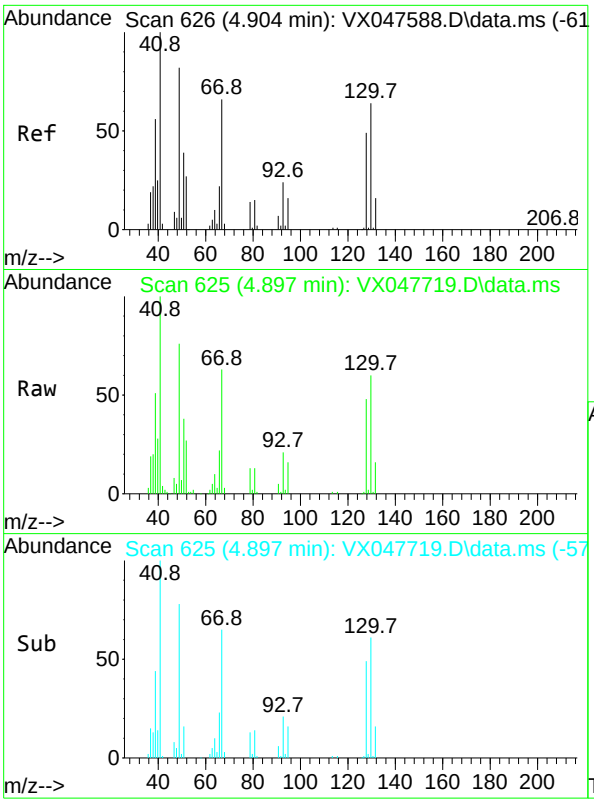




#40
Benzene
Concen: 55.328 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 78 Resp: 436446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

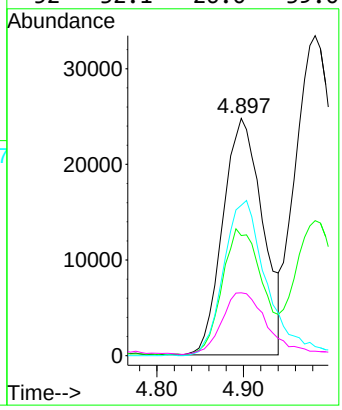





#41
Methacrylonitrile
Concen: 55.020 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 41 Resp: 7898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.0 | 43.3 | 64.9 |
| 67 | 72.0 | 58.6 | 87.8 |
| 52 | 32.1 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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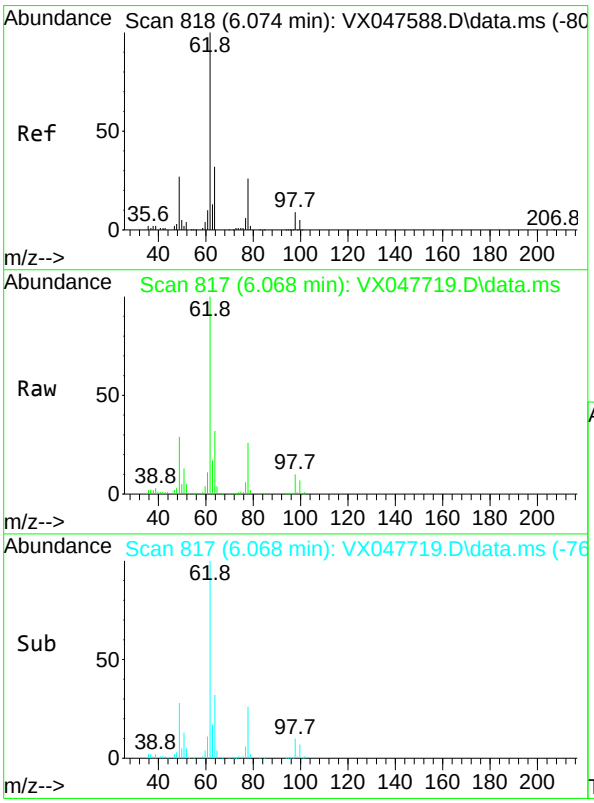
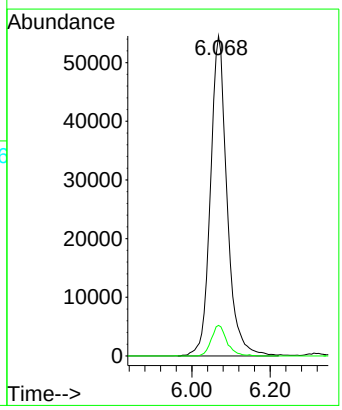
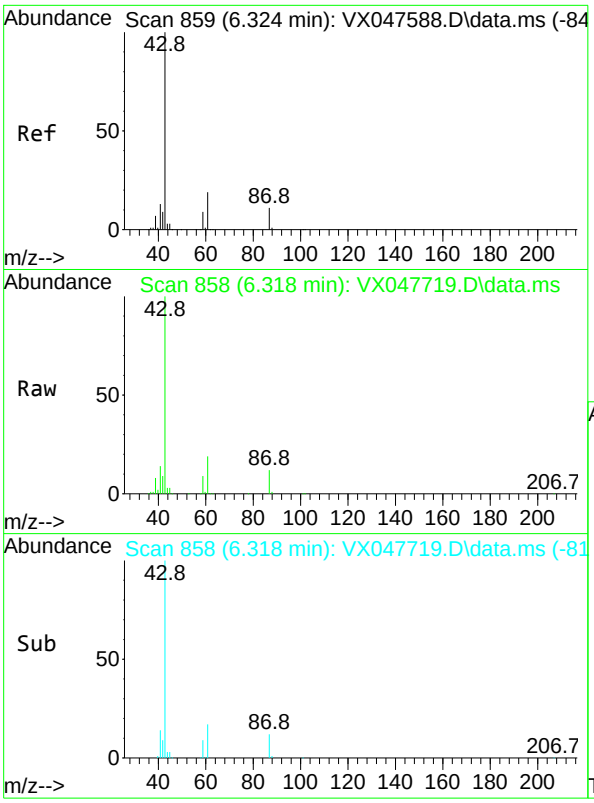



#42
1,2-Dichloroethane
Concen: 53.472 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 62 Resp: 160490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.0 |

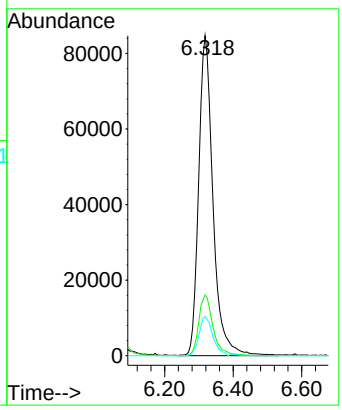





#43
Isopropyl Acetate
Concen: 54.094 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 24670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 15.2 | 22.8 |
| 87 | 11.7 | 9.6 | 14.4 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050

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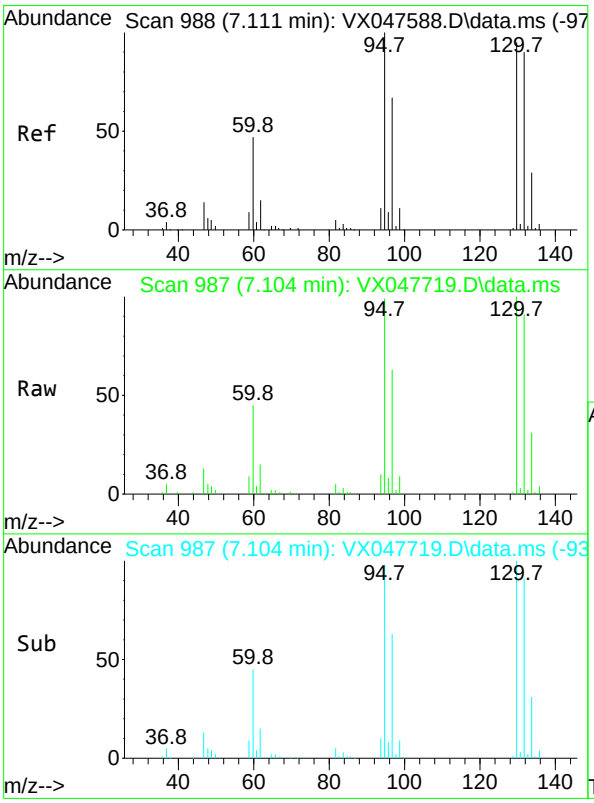
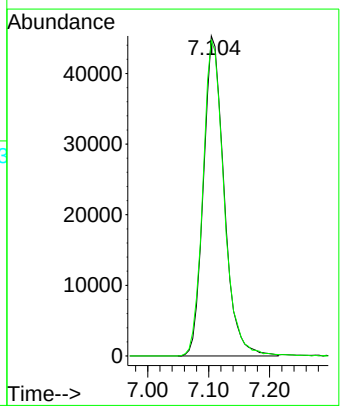
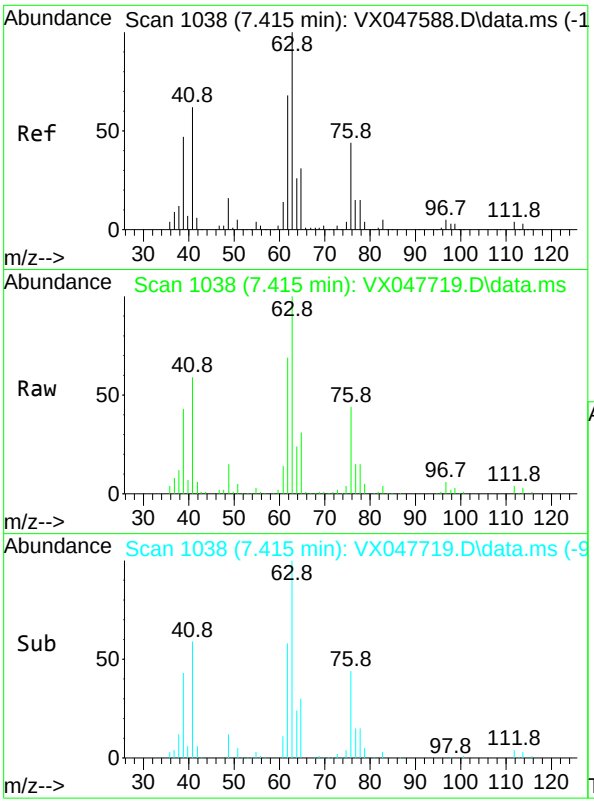



#44
Trichloroethene
Concen: 55.974 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:130 Resp: 106747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 210.8 |

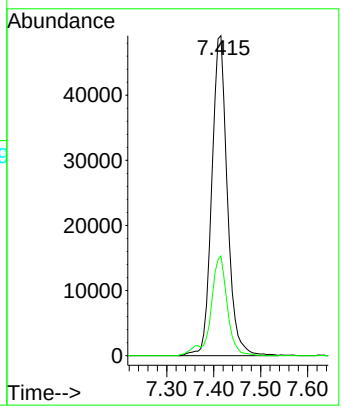





#45
1,2-Dichloropropane
Concen: 55.852 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 63 Resp: 11281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.2 | 24.7 | 37.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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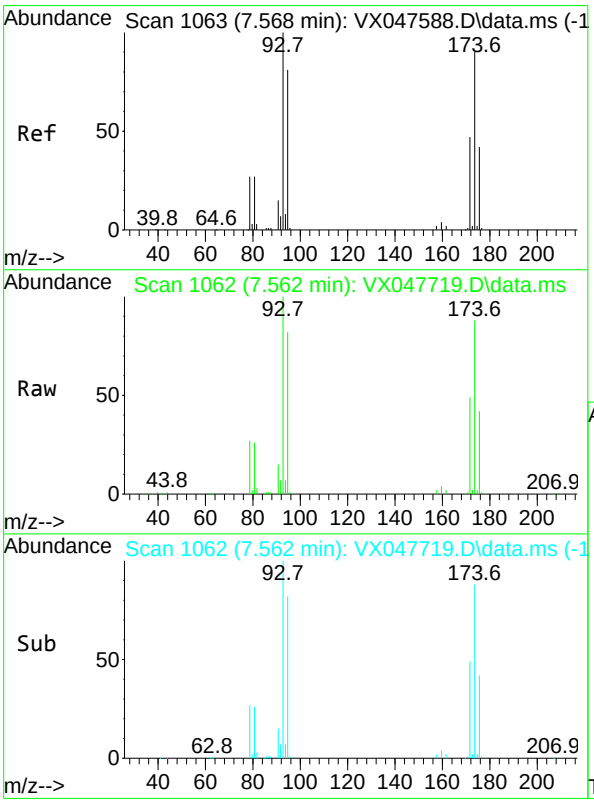
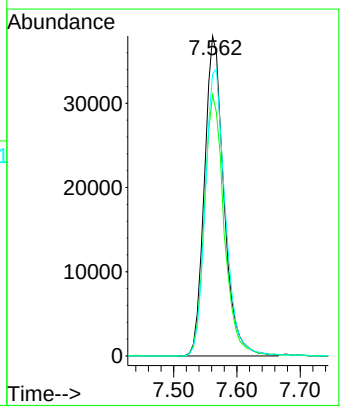
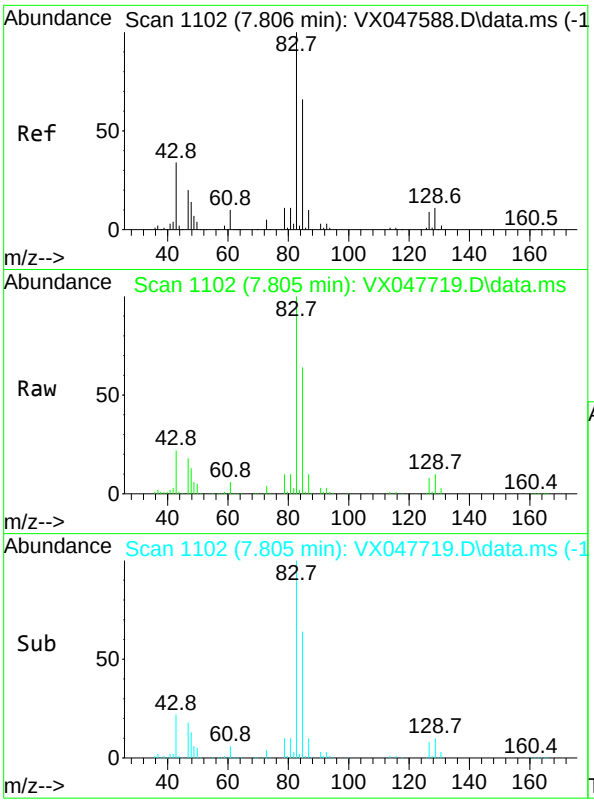



#46
Dibromomethane
Concen: 55.264 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 93 Resp: 81231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.0 | 97.6 |
| 174 | 92.6 | 71.6 | 107.4 |

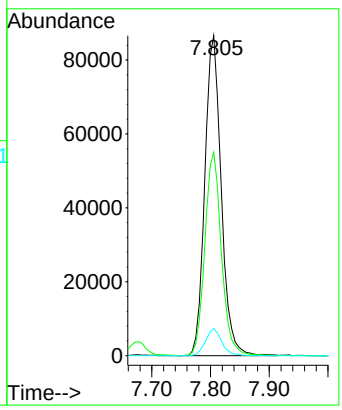





#47
Bromodichloromethane
Concen: 55.419 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 83 Resp: 16809

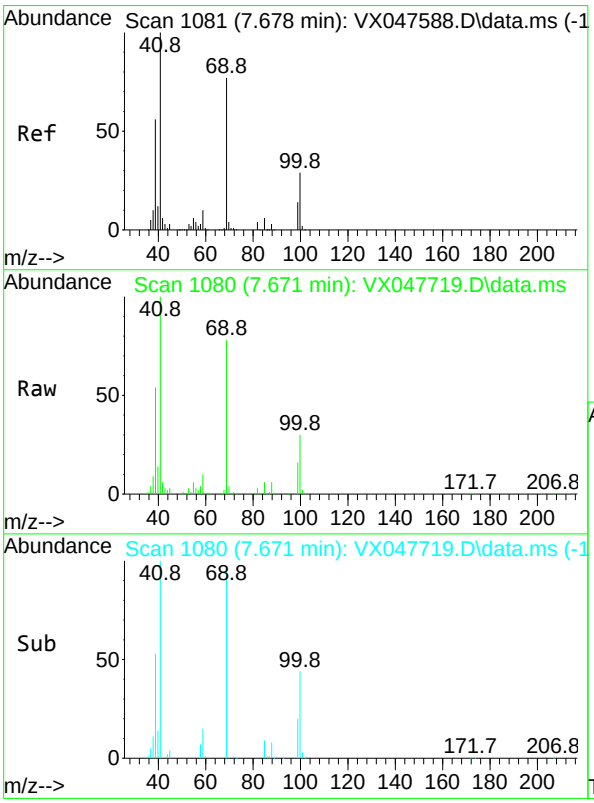
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 52.5 | 78.7 |
| 127 | 8.4 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

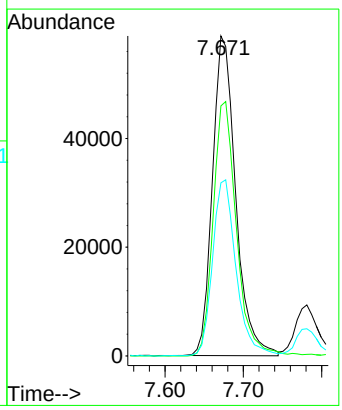
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

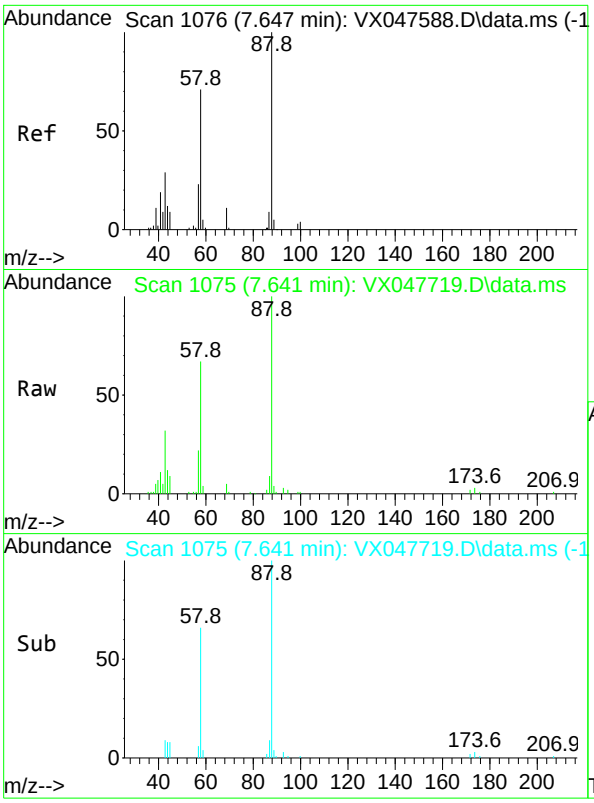



#48
Methyl methacrylate
Concen: 53.434 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 41 Resp: 121390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.4 | 61.4 | 92.2 |
| 39 | 55.8 | 45.8 | 68.6 |

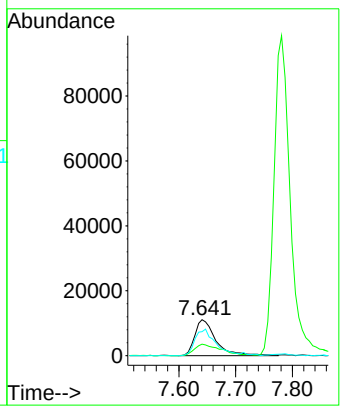





#49
1,4-Dioxane
Concen: 1254.001 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 88 Resp: 2879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 30.2 | 45.2 |
| 58 | 74.5 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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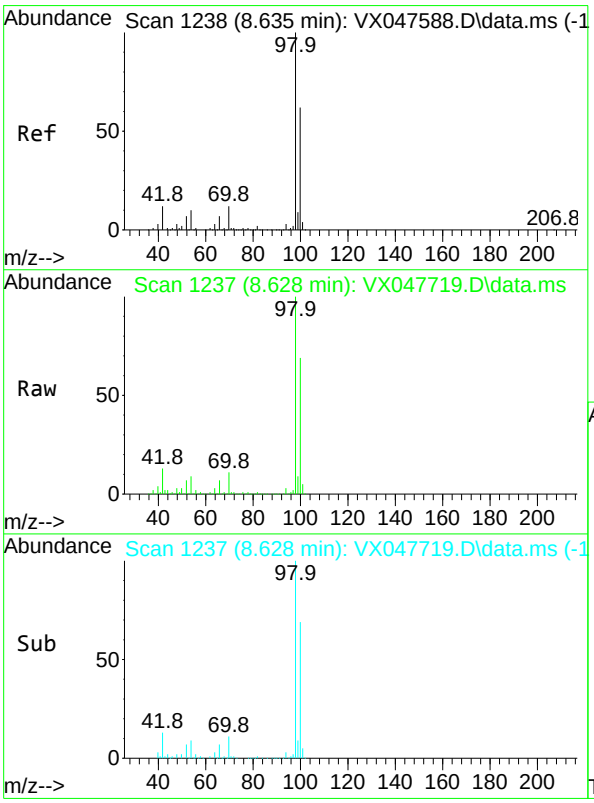
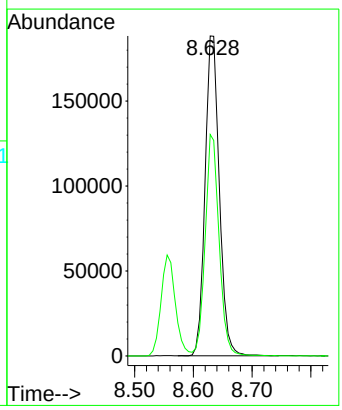
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

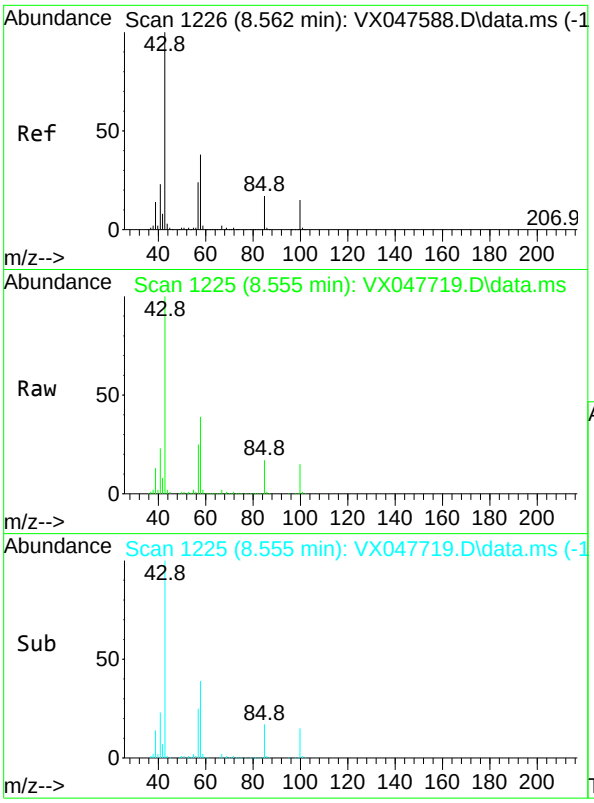



#50
Toluene-d8
Concen: 51.720 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 98 Resp: 318085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |






#51
4-Methyl-2-Pentanone
Concen: 275.127 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

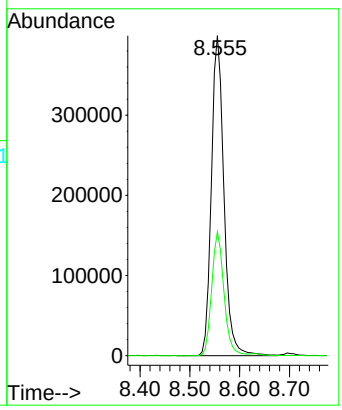
Tgt Ion: 43 Resp: 69570

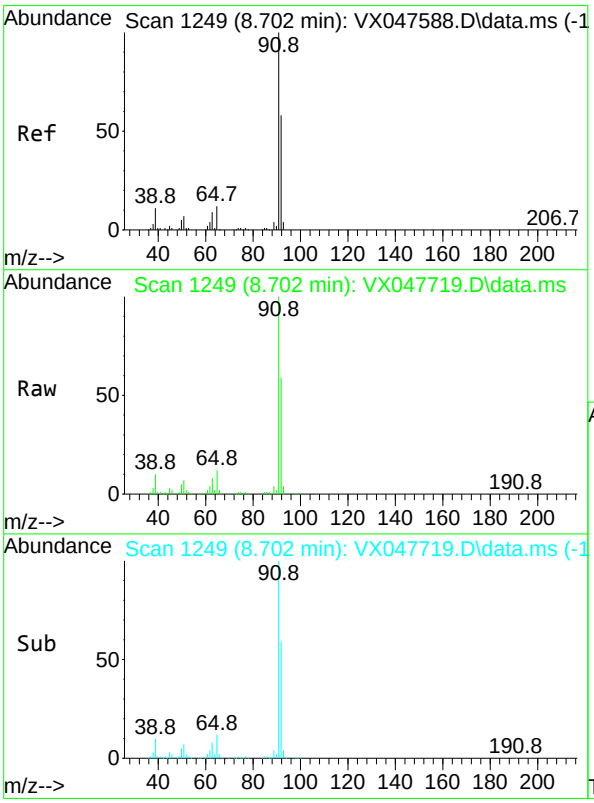
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.3 | 45.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

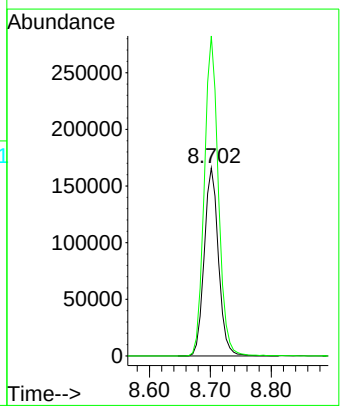


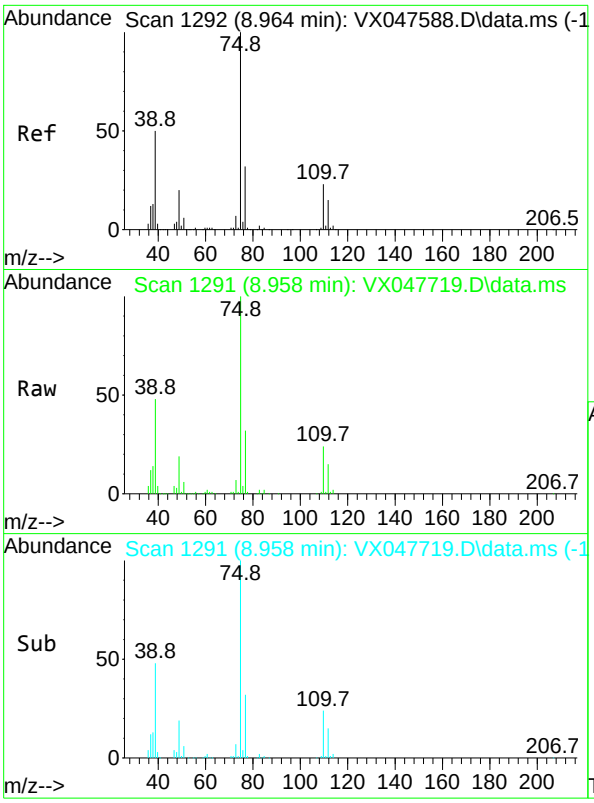




#52
Toluene
Concen: 55.411 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 92 Resp: 269293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 137.1 | 205.7 |

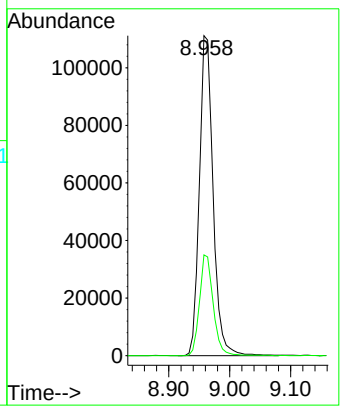





#53
t-1,3-Dichloropropene
Concen: 56.347 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 17433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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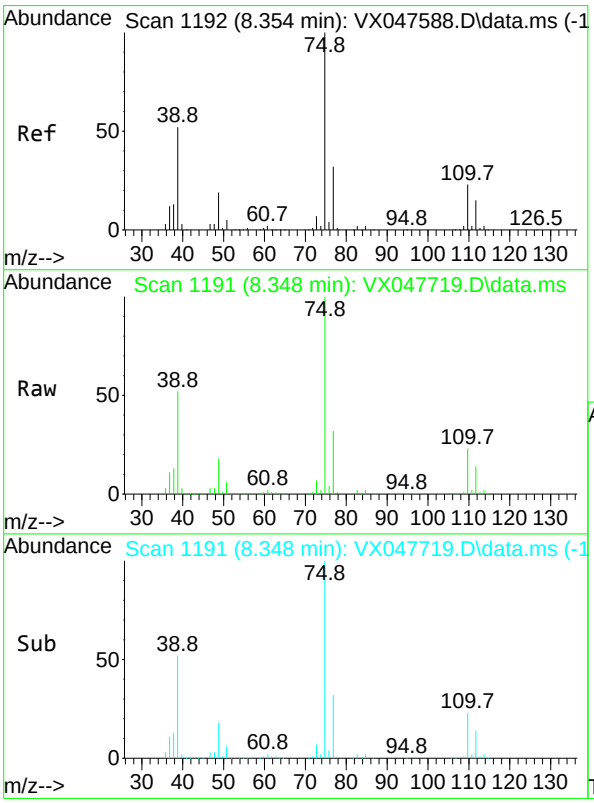
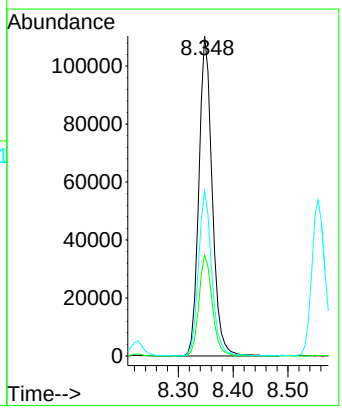
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

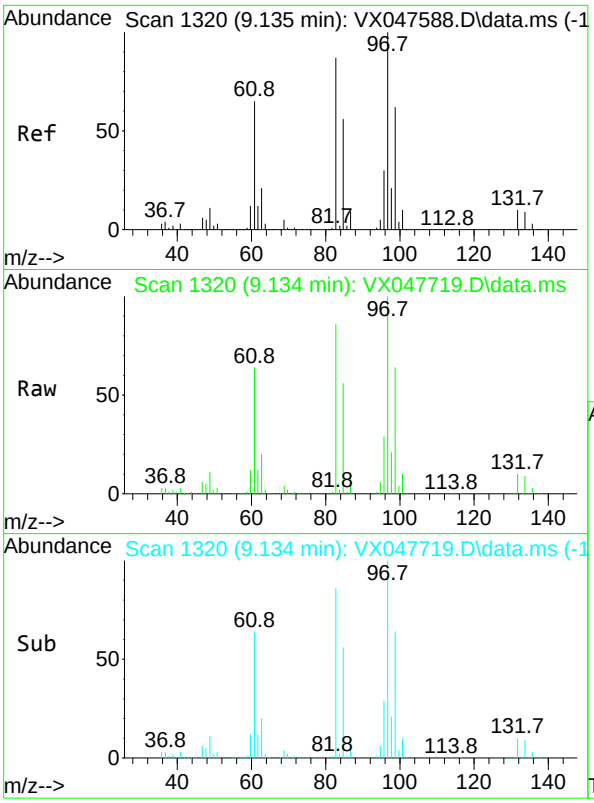



#54
cis-1,3-Dichloropropene
Concen: 56.434 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 186621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.8 | 38.6 |
| 39 | 51.5 | 41.4 | 62.2 |

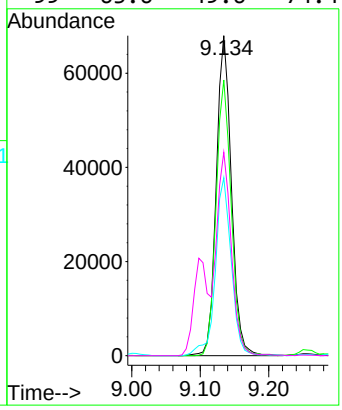





#55
1,1,2-Trichloroethane
Concen: 55.502 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 97 Resp: 10400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 55.6 | 45.0 | 67.6 |
| 99 | 63.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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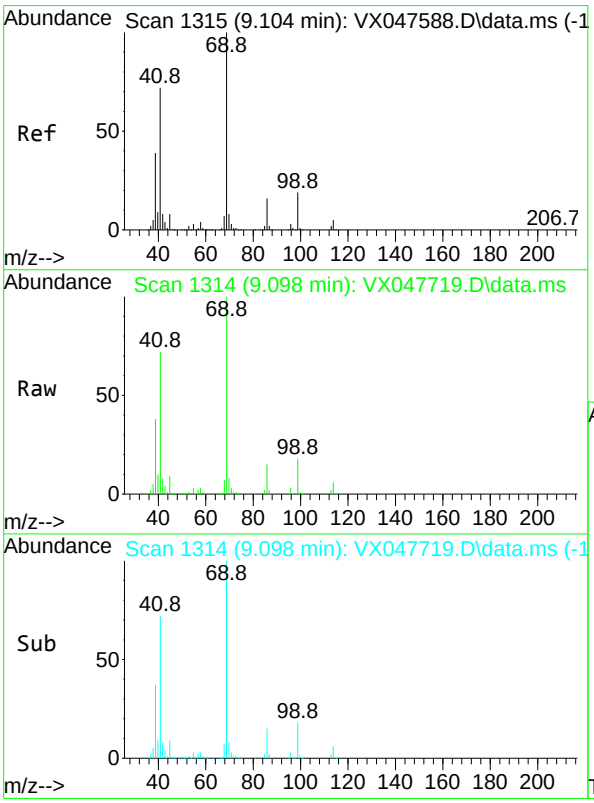
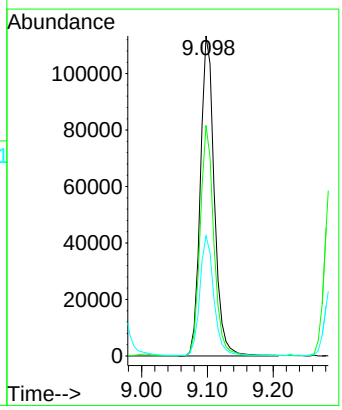
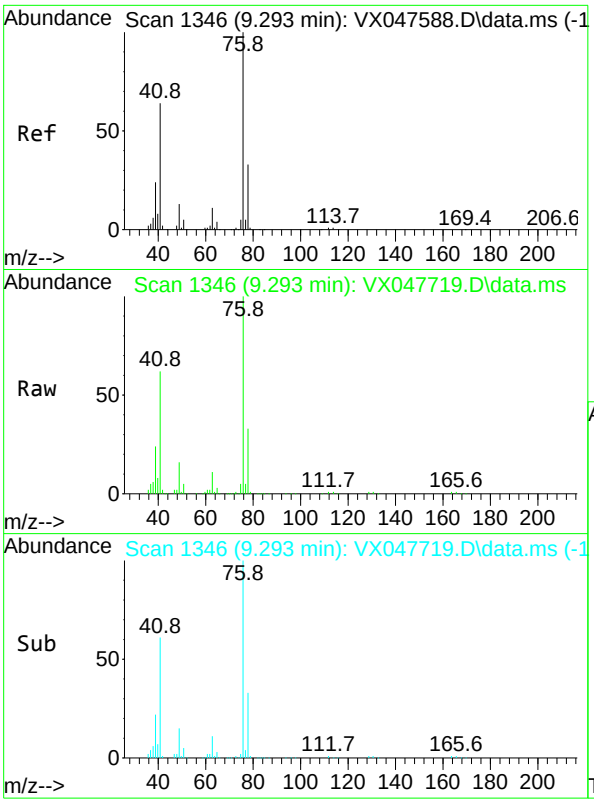



#56
Ethyl methacrylate
Concen: 56.751 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 69 Resp: 167018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 58.6 | 87.8 |
| 39 | 37.2 | 31.5 | 47.3 |

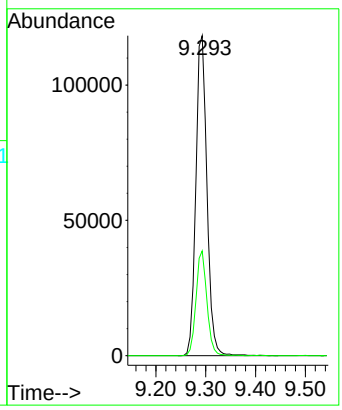





#57
1,3-Dichloropropane
Concen: 56.707 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 76 Resp: 18255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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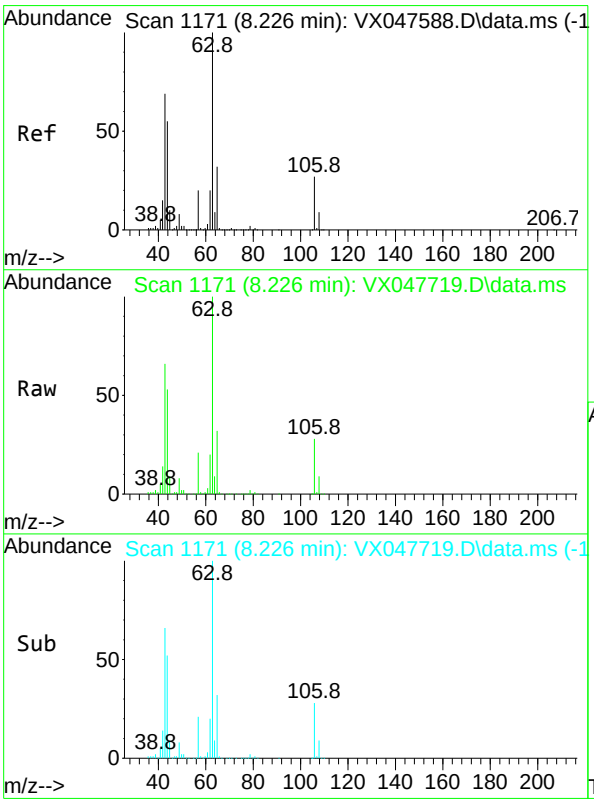
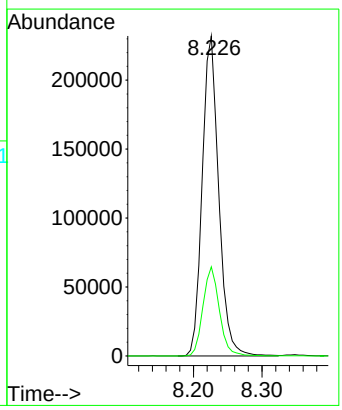
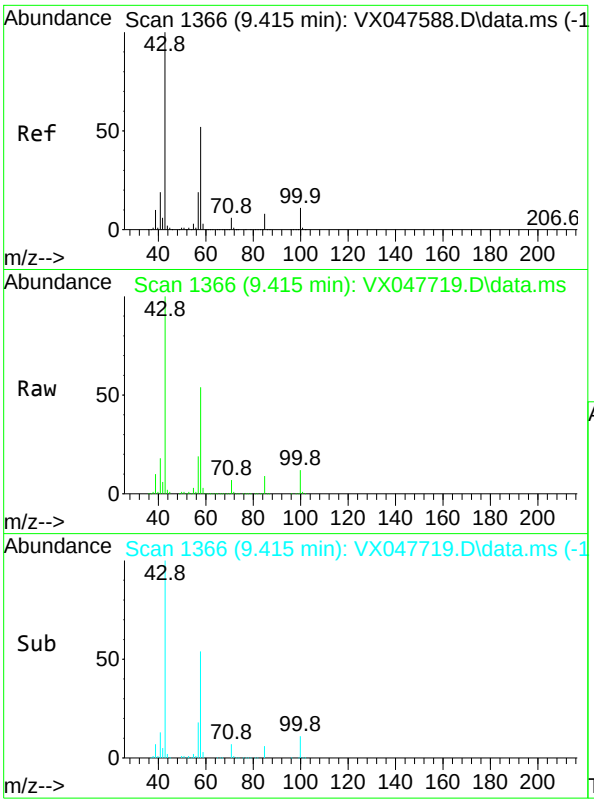



#58
2-Chloroethyl Vinyl ether
Concen: 274.956 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 63 Resp: 389211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 272.845 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 49551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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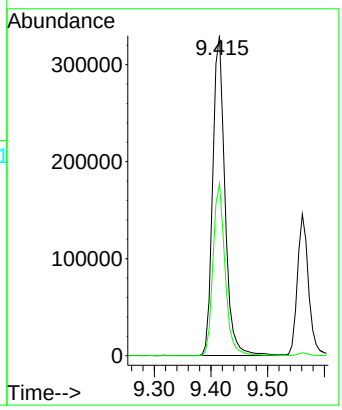
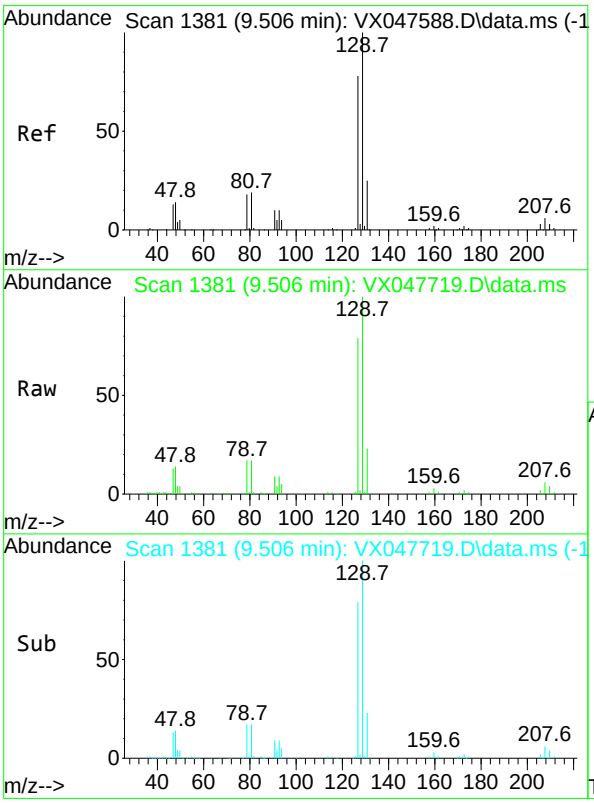
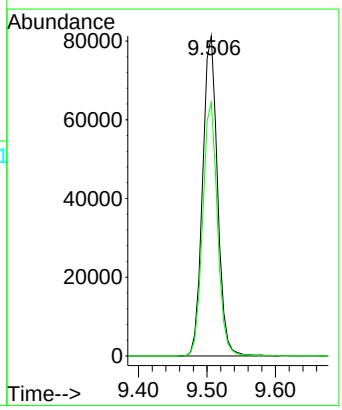


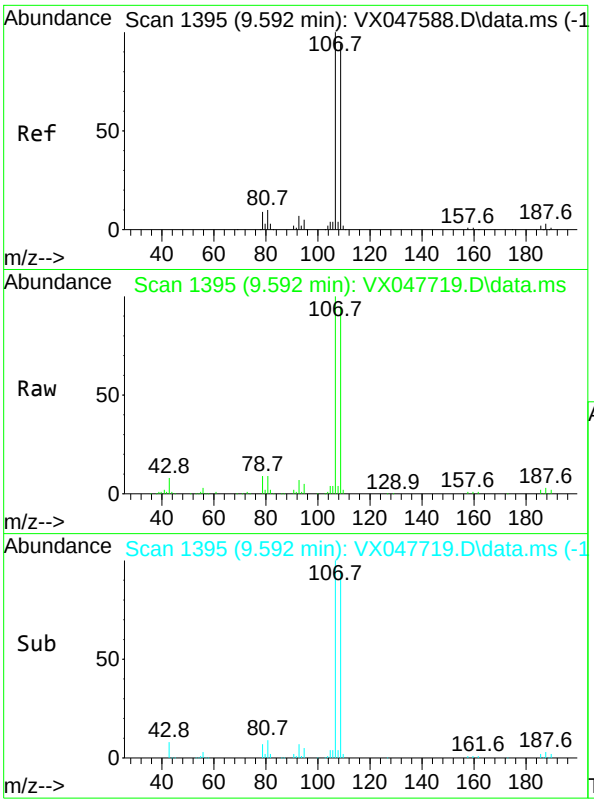




#60
Dibromochloromethane
Concen: 56.997 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:129 Resp: 123071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 56.870 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:107 Resp: 10854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.2 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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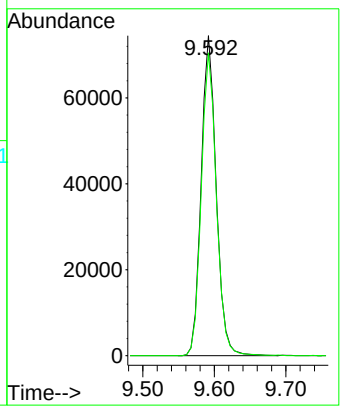
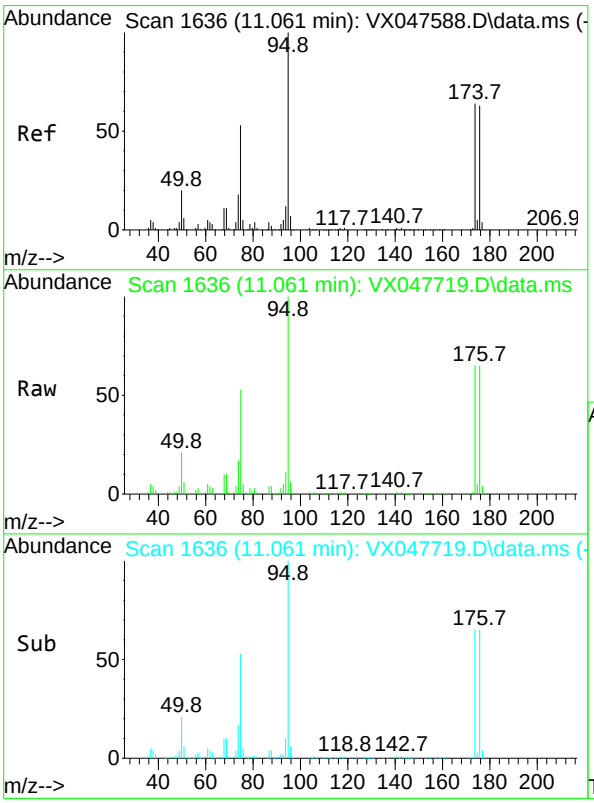
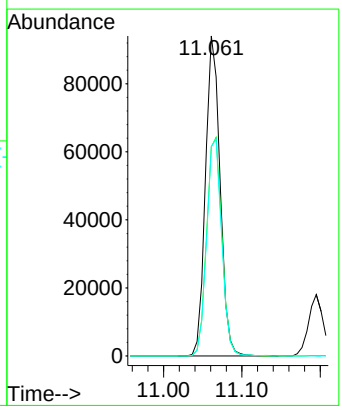


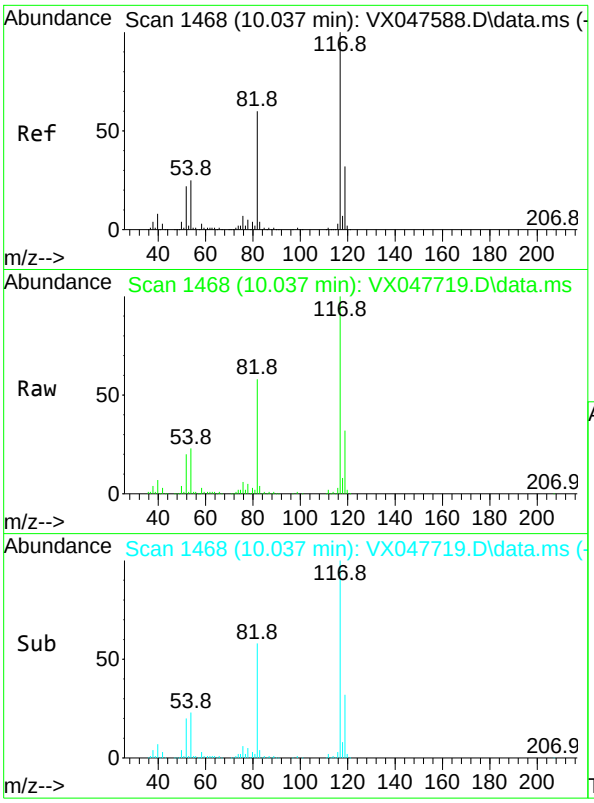




#62
4-Bromofluorobenzene
Concen: 52.073 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 95 Resp: 121543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.3 | 0.0 | 141.6 |
| 176 | 70.0 | 0.0 | 138.4 |

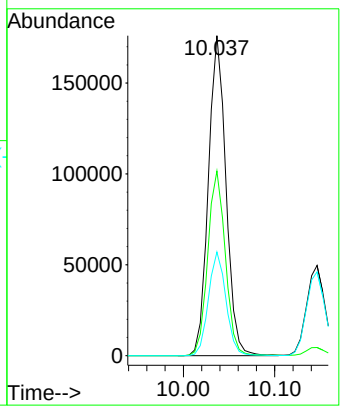





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:117 Resp: 23570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 47.8 | 71.6 |
| 119 | 32.4 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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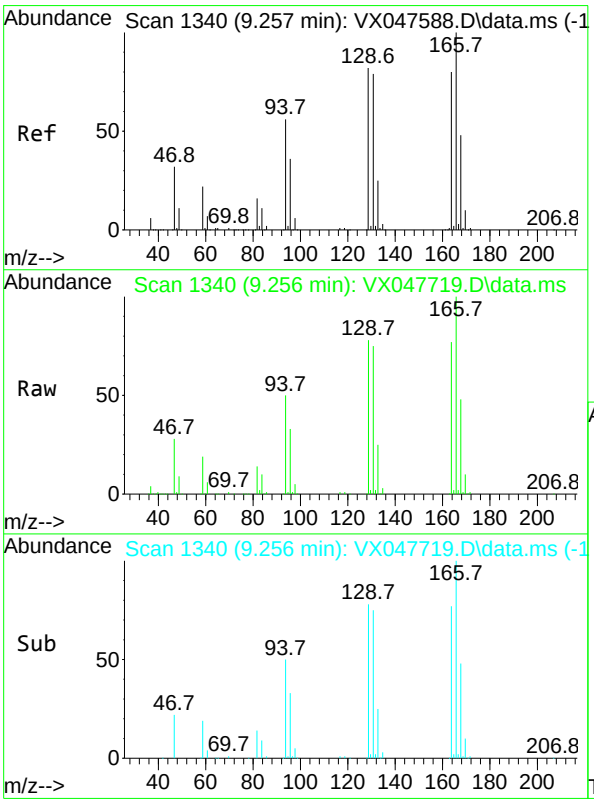
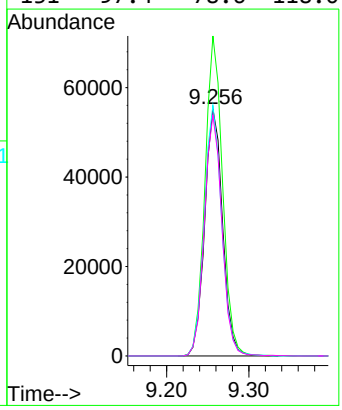
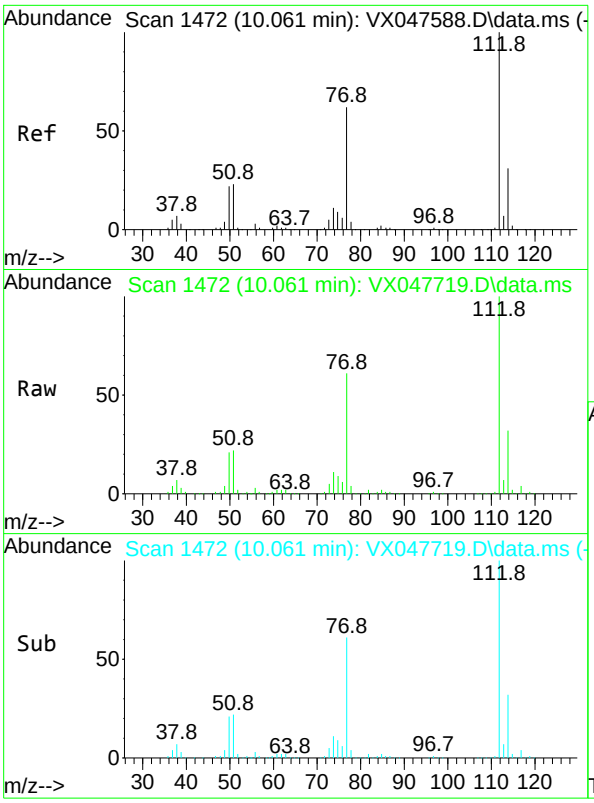



#64
Tetrachloroethene
Concen: 54.167 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:164 Resp: 83230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.5 | 100.2 | 150.2 |
| 129 | 101.4 | 81.8 | 122.6 |
| 131 | 97.4 | 78.6 | 118.0 |

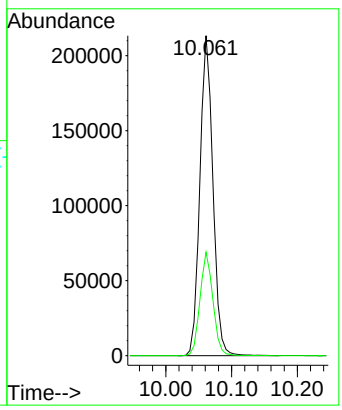





#65
Chlorobenzene
Concen: 54.848 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:112 Resp: 29369

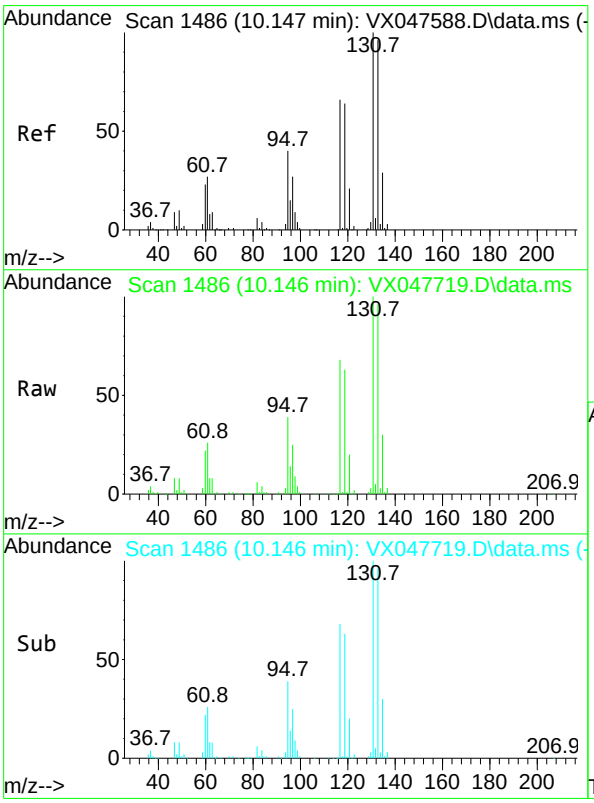
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

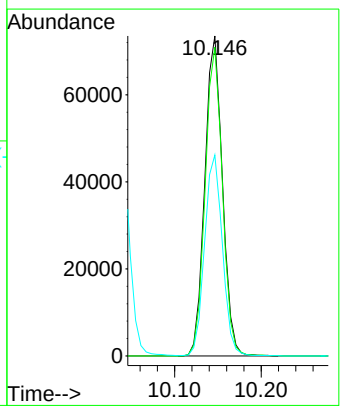
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

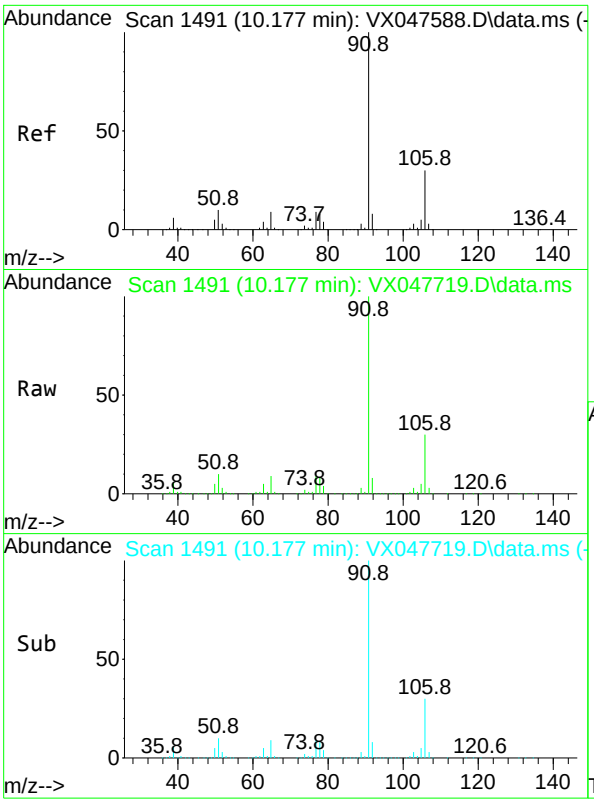



#66
1,1,1,2-Tetrachloroethane
Concen: 56.149 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:131 Resp: 103750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 142.0 |
| 119 | 63.7 | 32.0 | 96.0 |

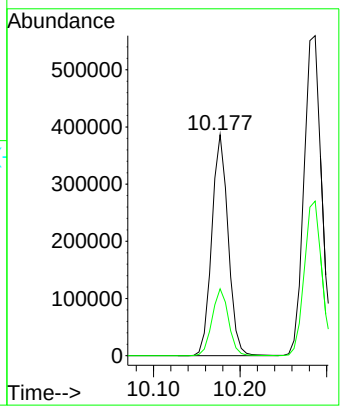





#67
Ethyl Benzene
Concen: 54.859 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 50685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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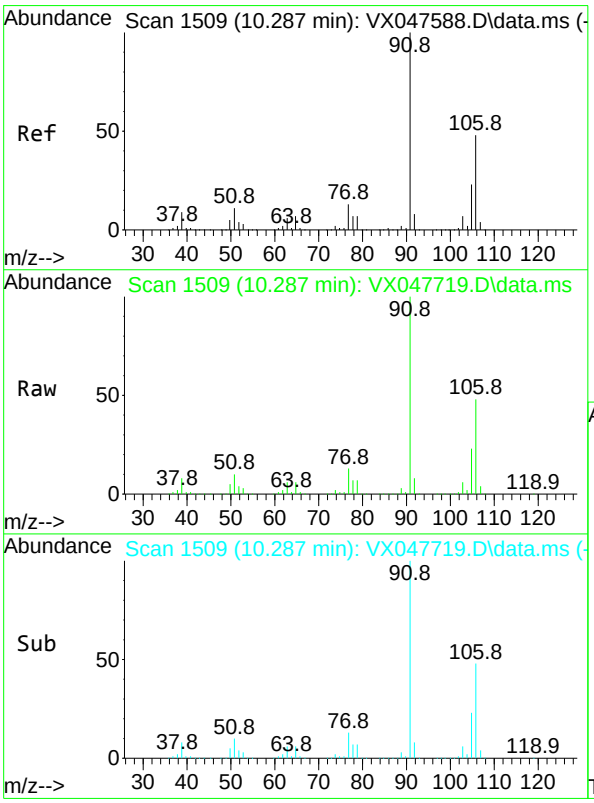
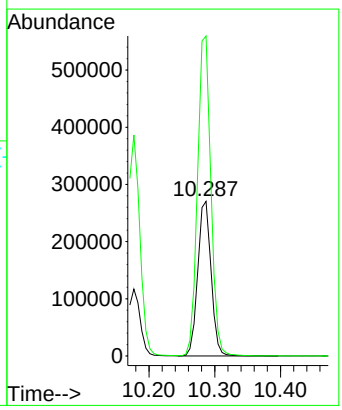
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

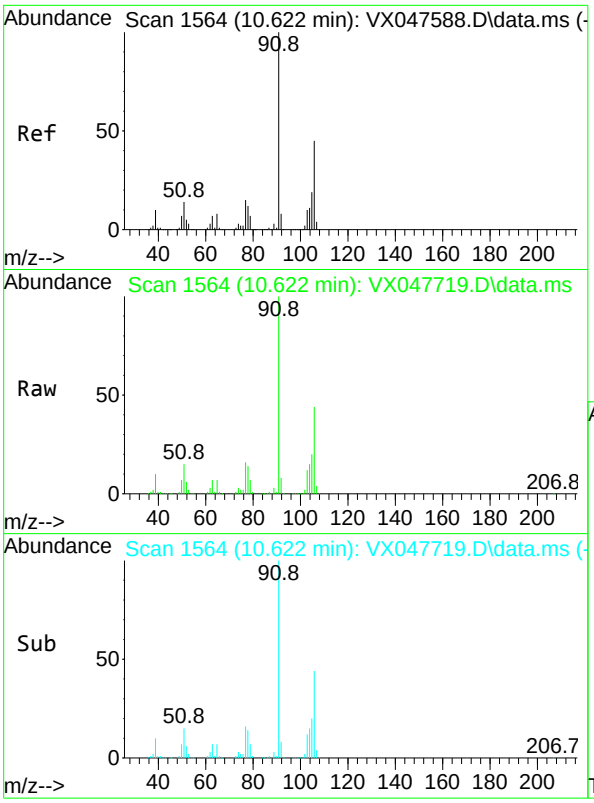



#68
m/p-Xylenes
Concen: 110.636 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:106 Resp: 380464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 167.8 | 251.8 |

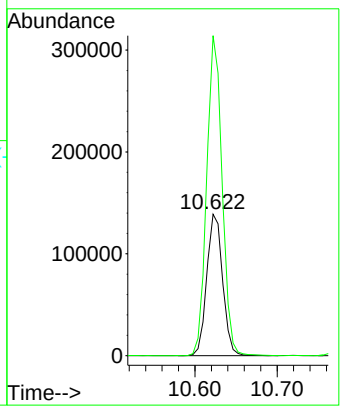





#69
o-Xylene
Concen: 55.967 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:106 Resp: 18615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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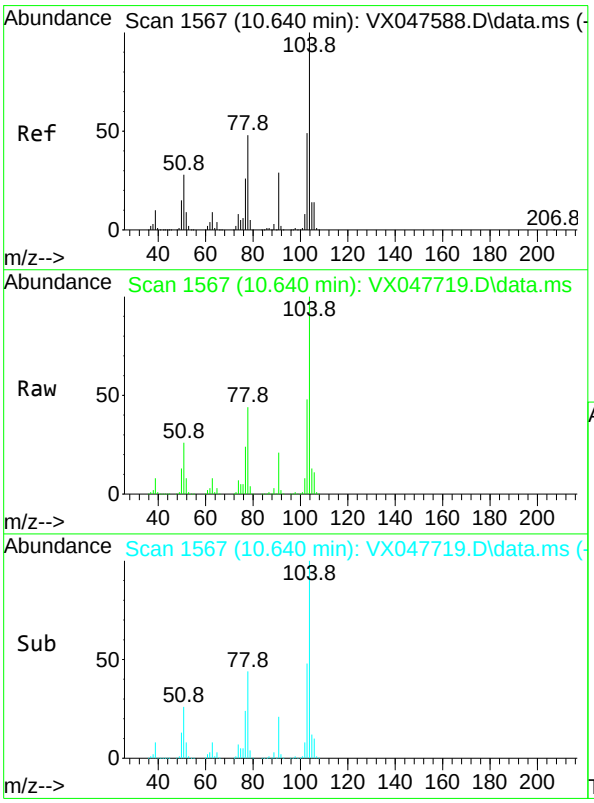
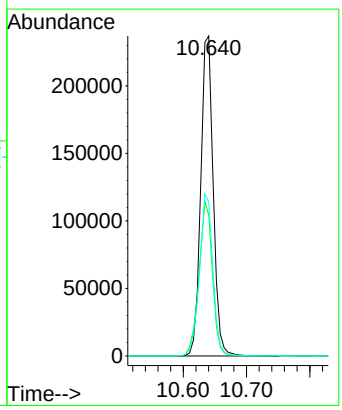
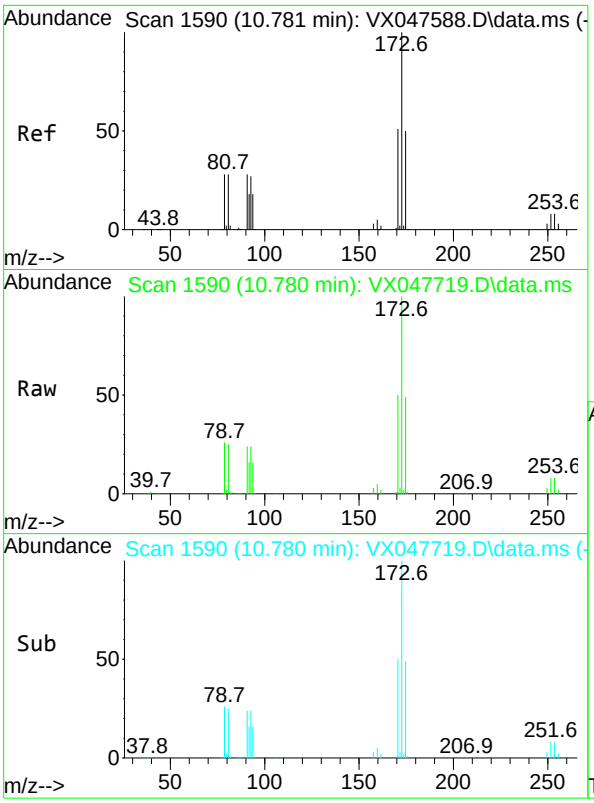



#70
Styrene
Concen: 55.888 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:104 Resp: 325724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 43.1 | 64.7 |
| 103 | 54.2 | 43.1 | 64.7 |

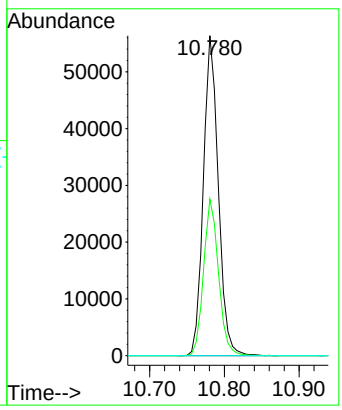





#71
Bromoform
Concen: 56.699 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:173 Resp: 7822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.0 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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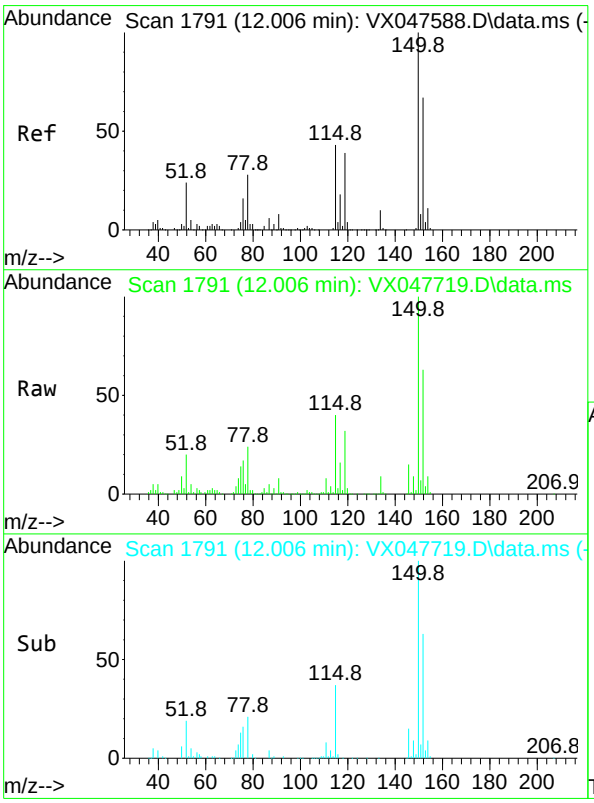
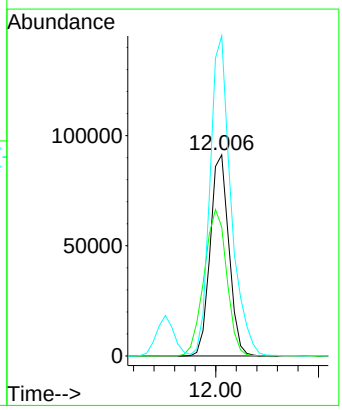
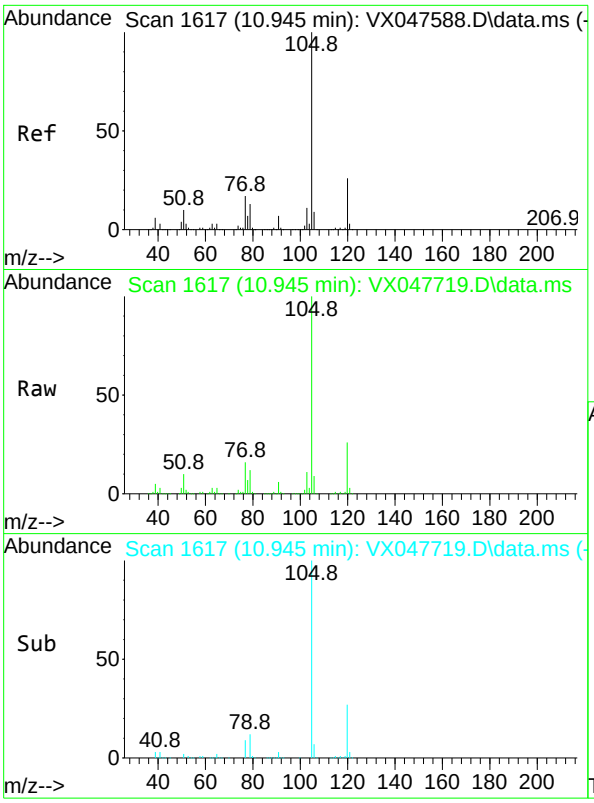



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:152 Resp: 115061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.5 | 44.9 | 134.5 |
| 150 | 177.7 | 0.0 | 352.0 |

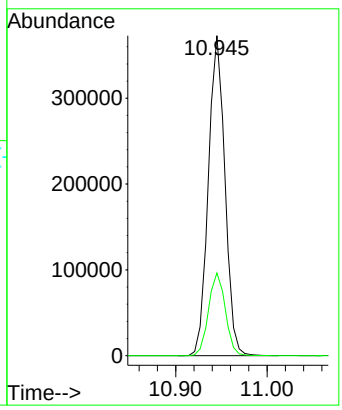





#73
Isopropylbenzene
Concen: 53.558 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 46850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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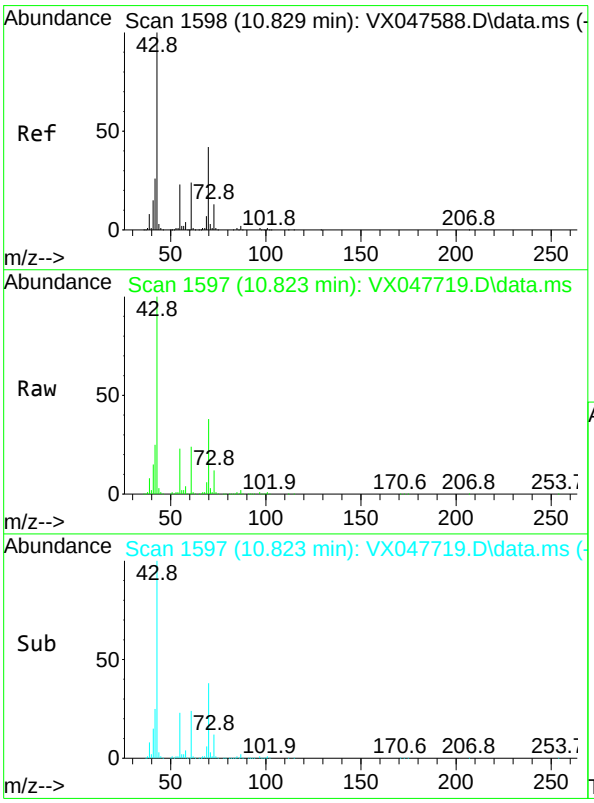
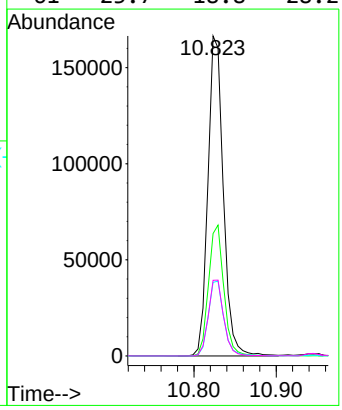
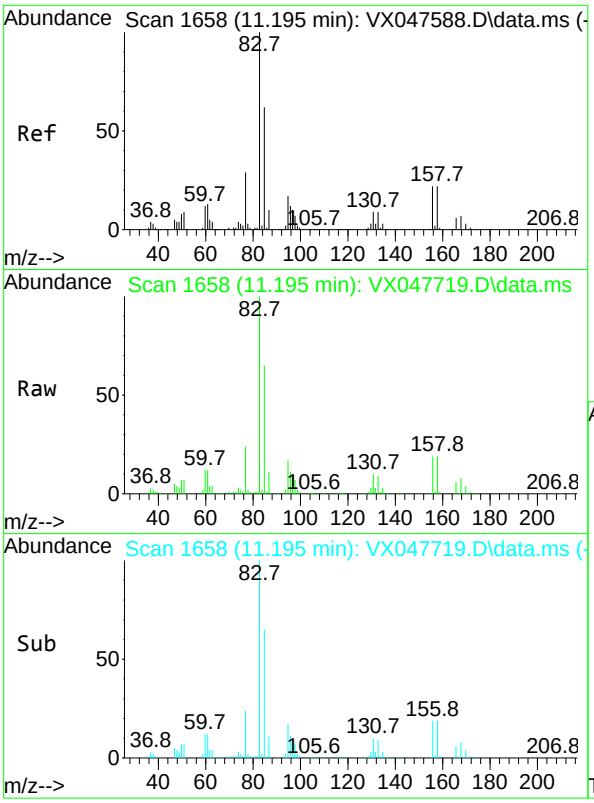



#74
N-amyl acetate
Concen: 54.388 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 216957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.7 | 18.8 | 28.2 |

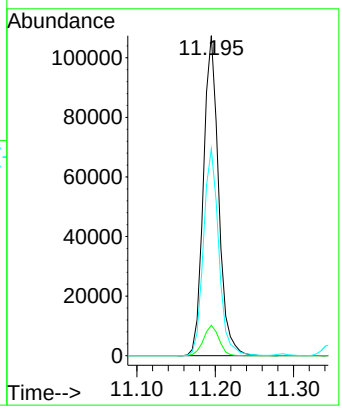





#75
1,1,2,2-Tetrachloroethane
Concen: 54.463 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 83 Resp: 14414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 65.2 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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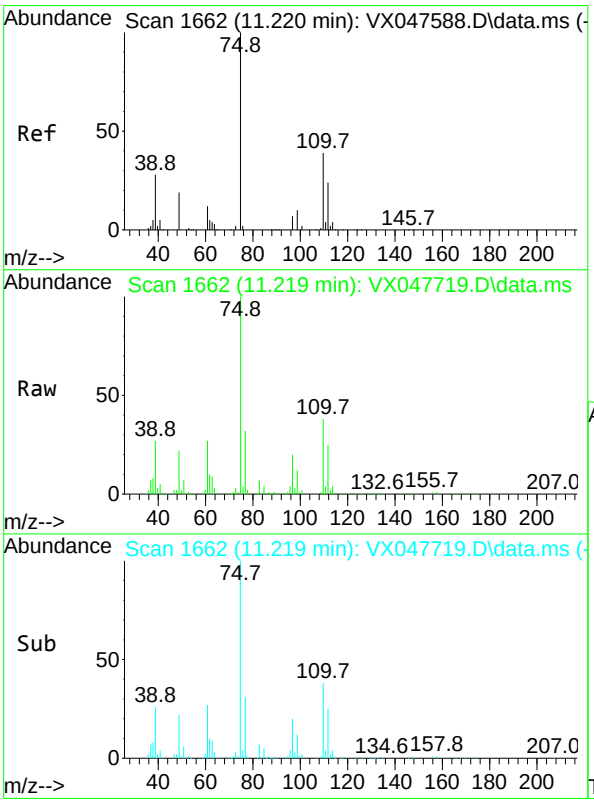
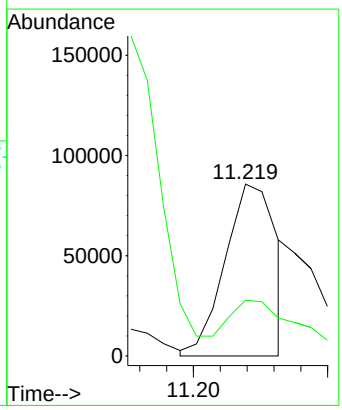
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

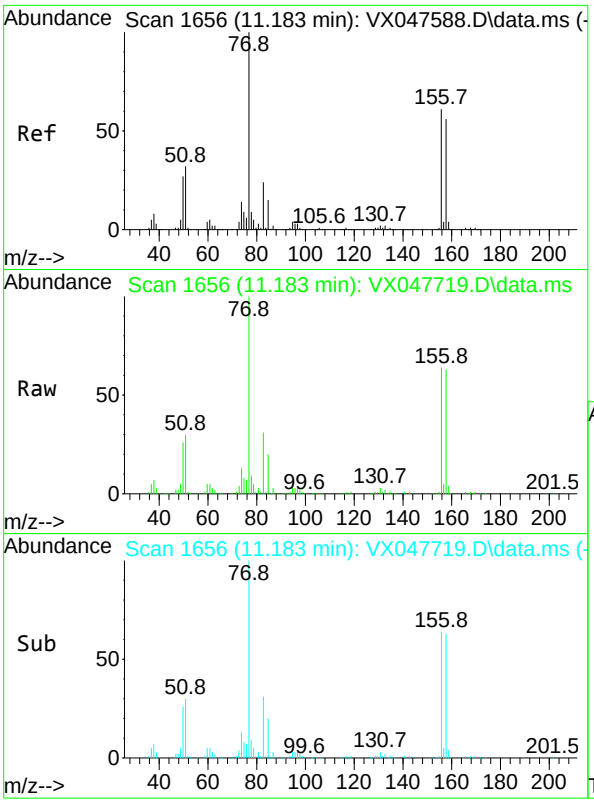



#76
1,2,3-Trichloropropane
Concen: 48.886 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 113886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 43.5 | 18.8 | 56.4 |

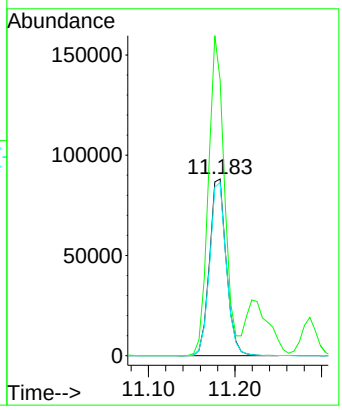





#77
Bromobenzene
Concen: 54.994 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:156 Resp: 11848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.8 | 89.7 | 269.1 |
| 158 | 97.5 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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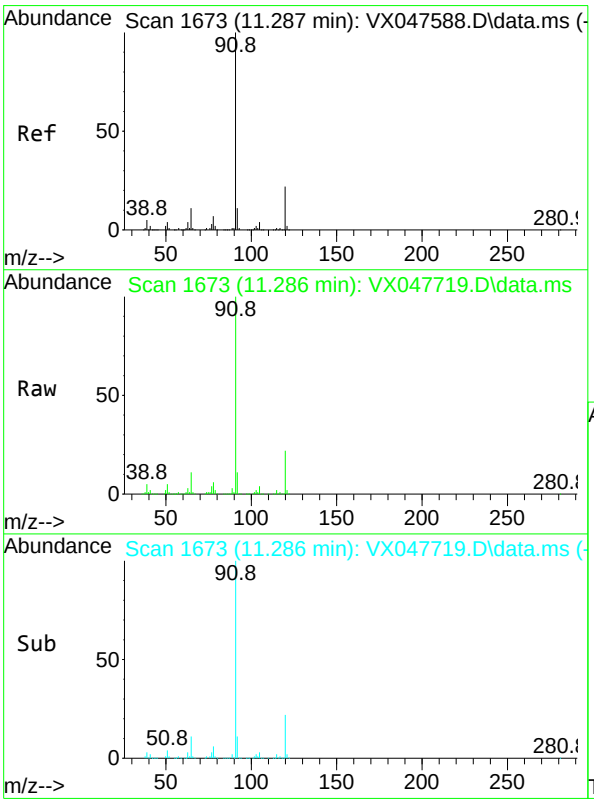
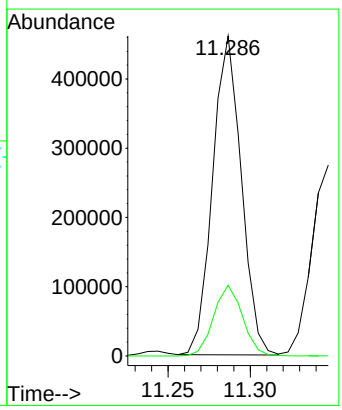
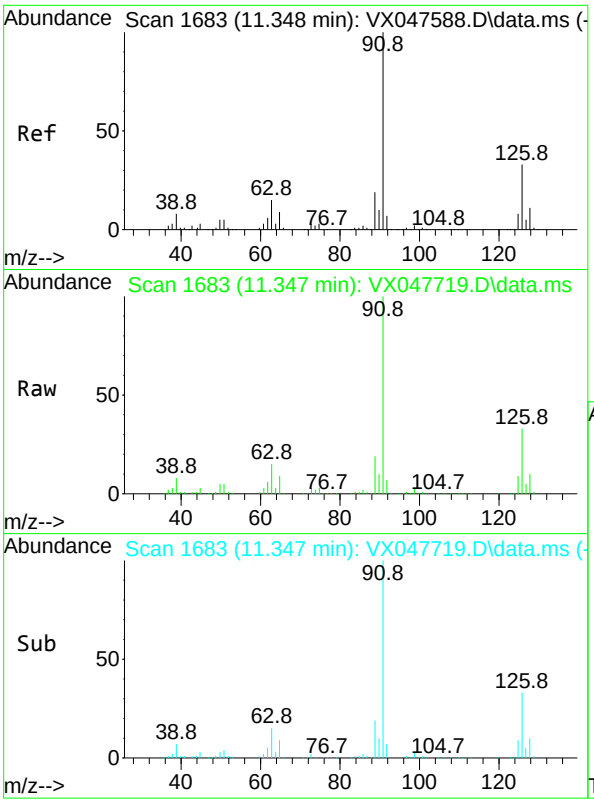



#78
n-propylbenzene
Concen: 53.923 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 557613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |

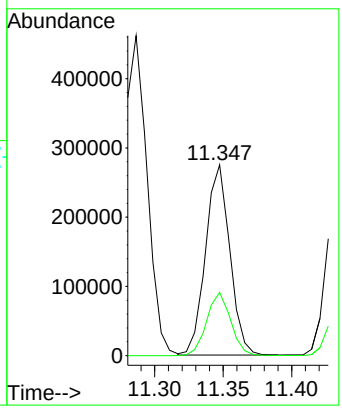





#79
2-Chlorotoluene
Concen: 53.352 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 33790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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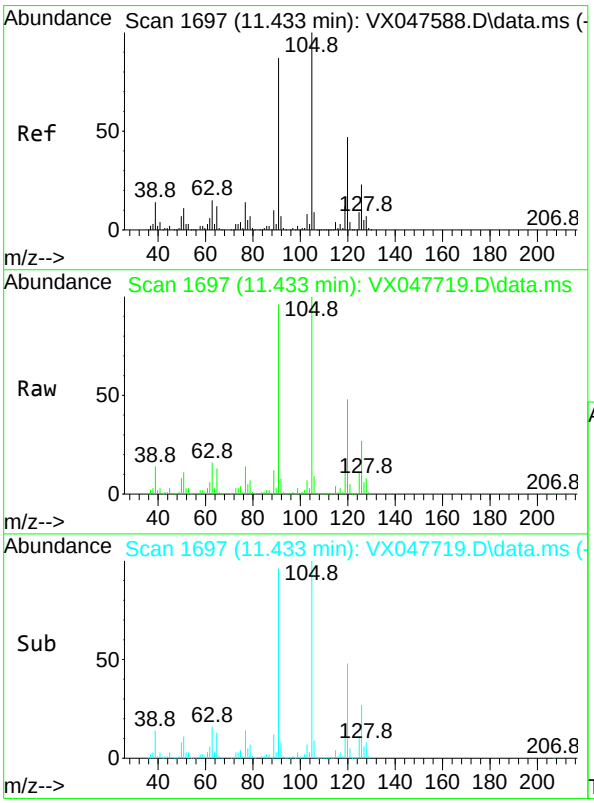
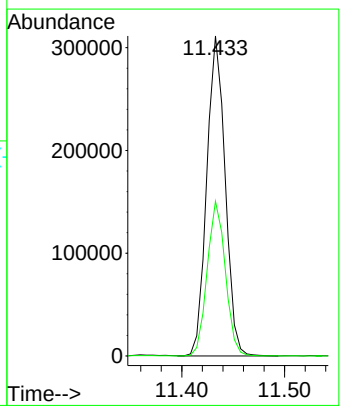
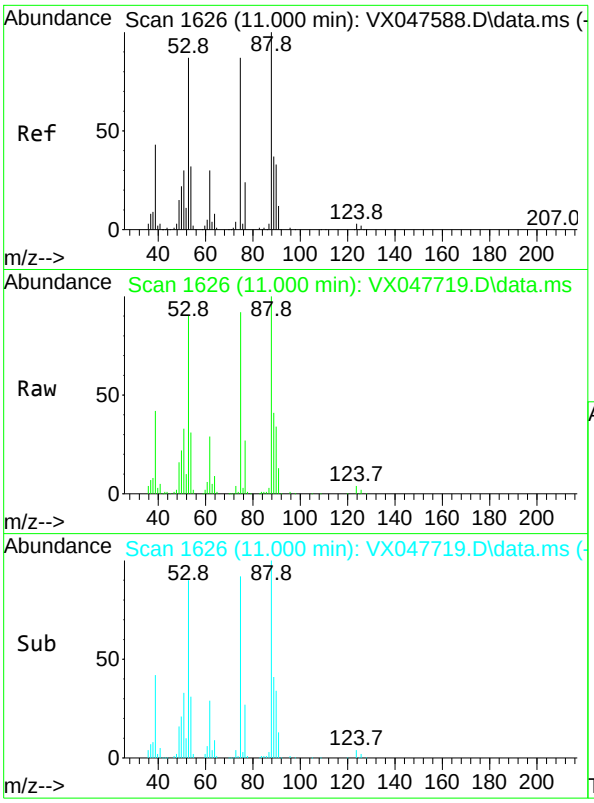



#80
1,3,5-Trimethylbenzene
Concen: 53.867 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 387138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 52.569 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 4802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.5 | 83.4 | 125.2 |
| 89 | 47.5 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

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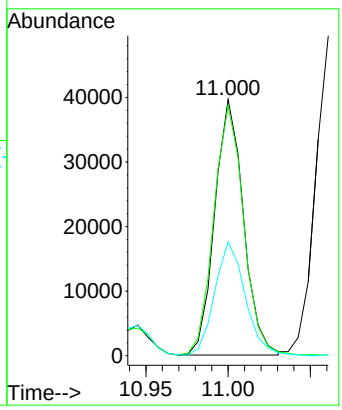
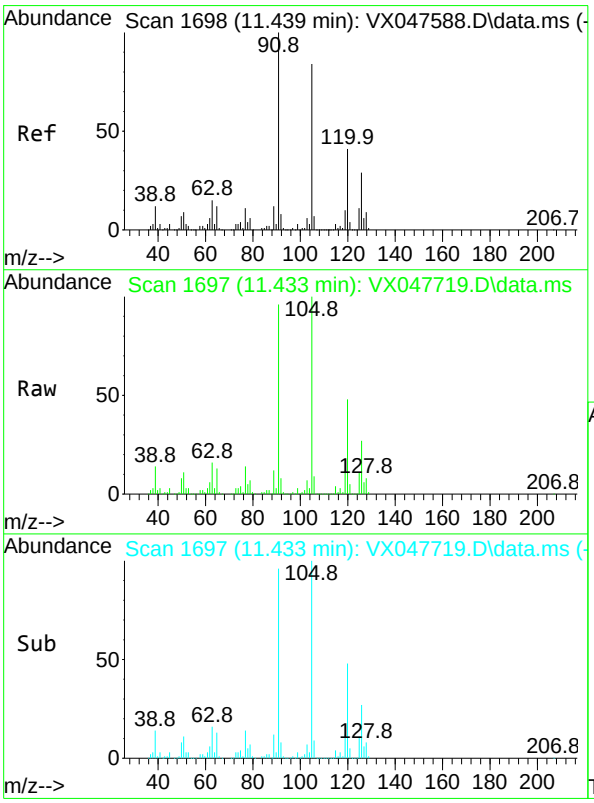
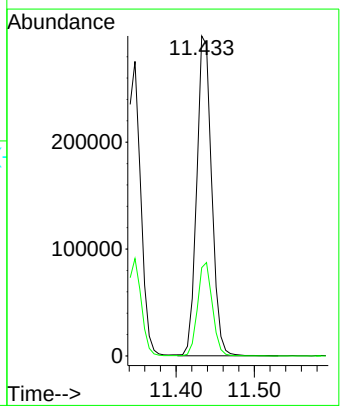


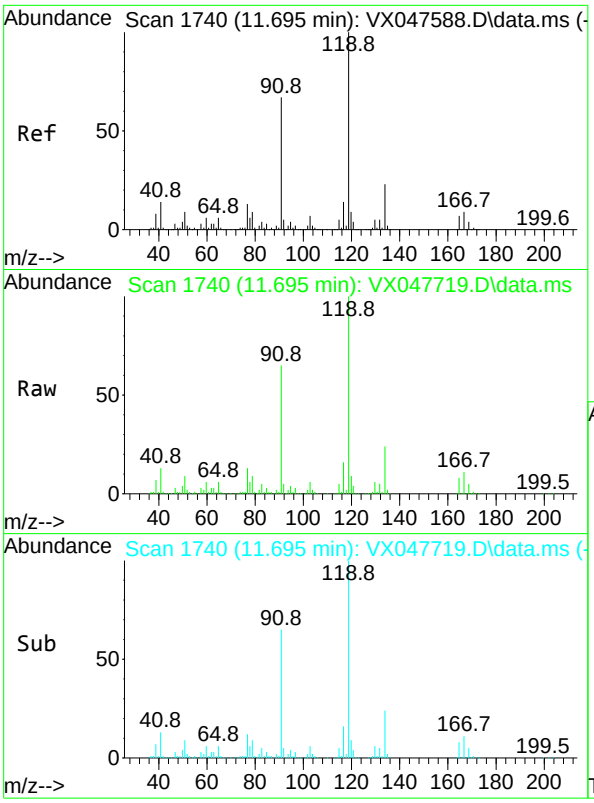




#82
4-Chlorotoluene
Concen: 53.035 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 396717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.2 | 42.6 |

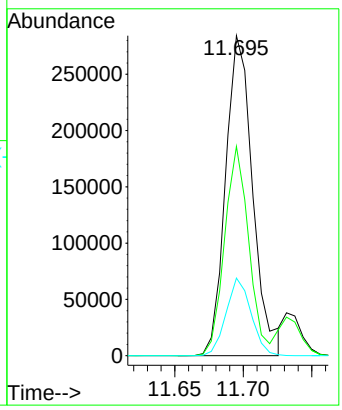





#83
tert-Butylbenzene
Concen: 53.095 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:119 Resp: 39063

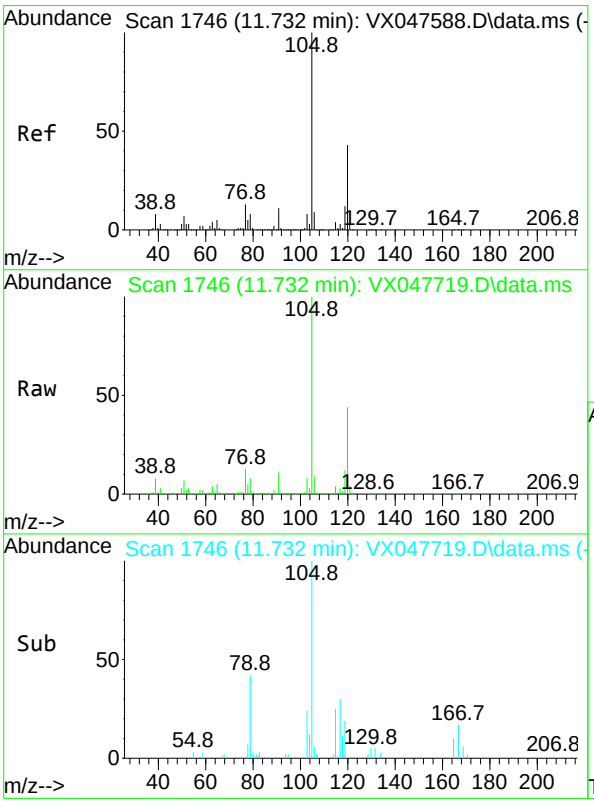
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.5 | 29.6 | 88.8 |
| 134 | 22.4 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

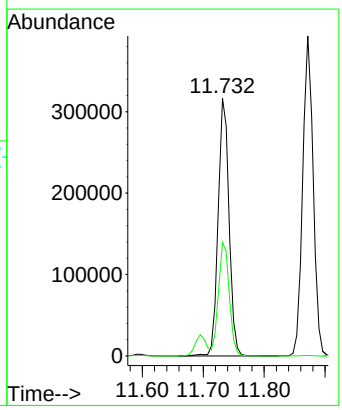
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

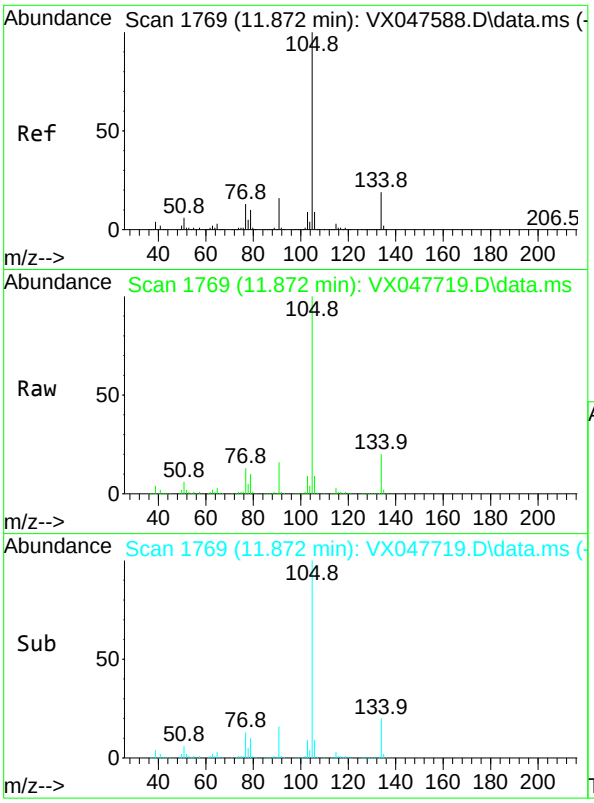



#84
1,2,4-Trimethylbenzene
Concen: 54.142 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 394502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.1 |

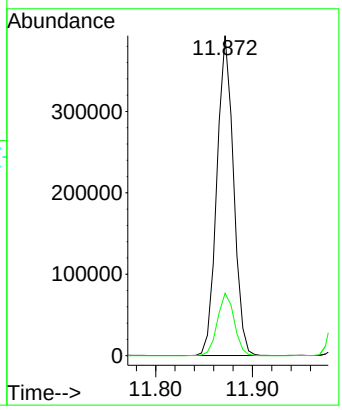





#85
sec-Butylbenzene
Concen: 53.598 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 46838

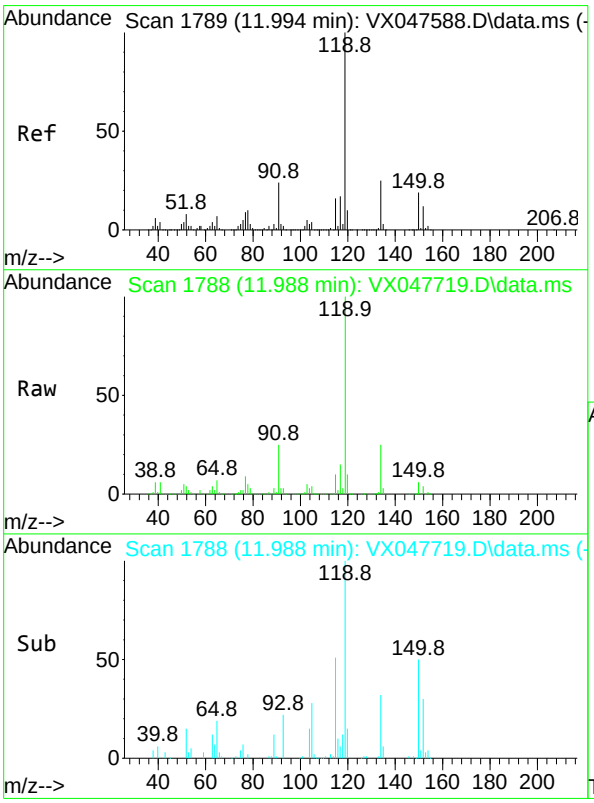
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

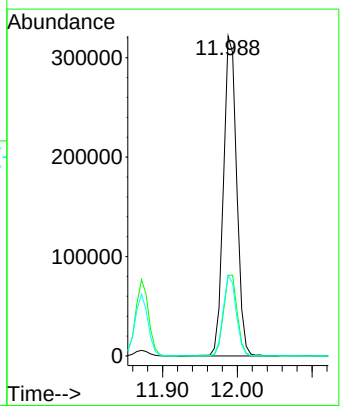
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

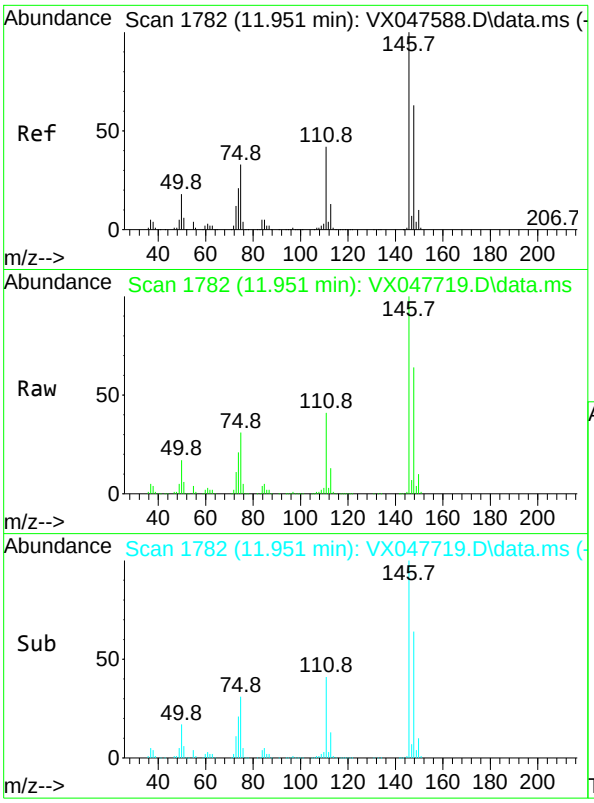



#86
p-Isopropyltoluene
Concen: 53.461 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:119 Resp: 395524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 24.8 | 12.6 | 37.6 |

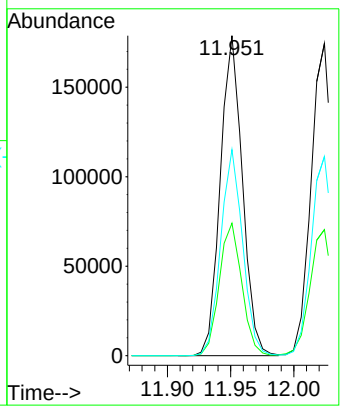





#87
1,3-Dichlorobenzene
Concen: 54.263 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:146 Resp: 21715

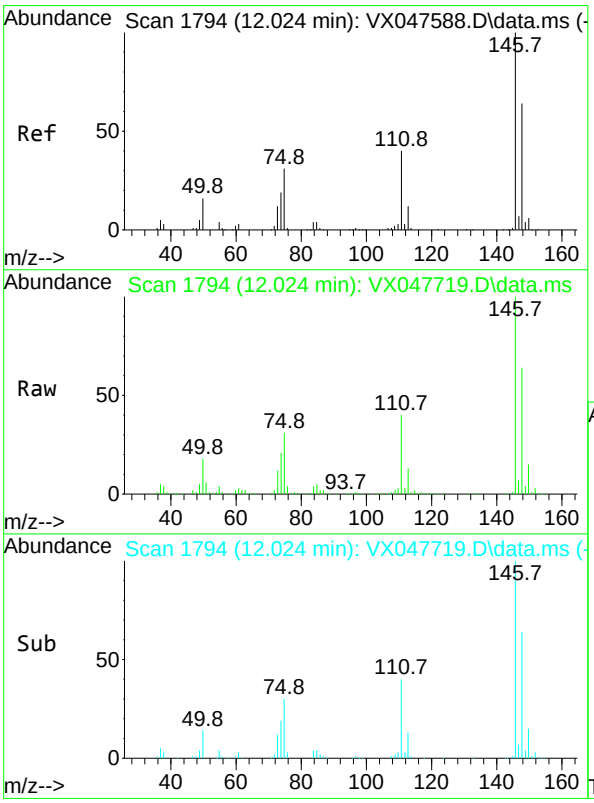
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 64.0 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

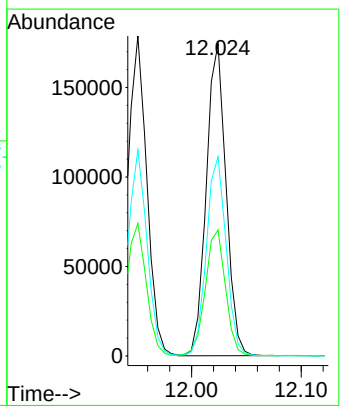
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

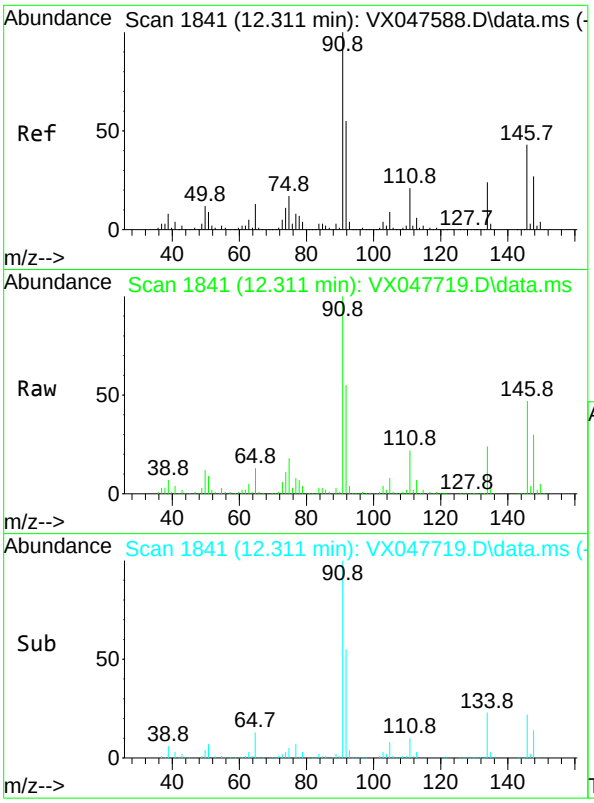



#88
1,4-Dichlorobenzene
Concen: 53.031 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:146 Resp: 217807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.8 | 62.4 |
| 148 | 64.0 | 31.7 | 95.1 |

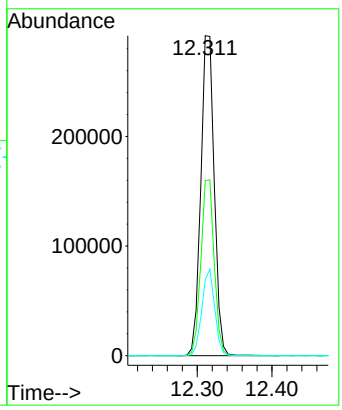





#89
n-Butylbenzene
Concen: 53.292 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 36481

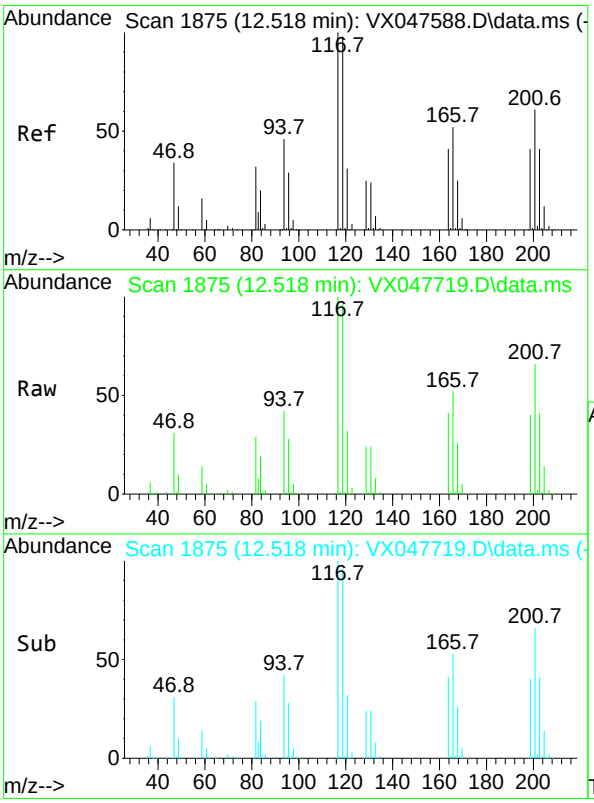
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 27.6 | 82.7 |
| 134 | 25.7 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

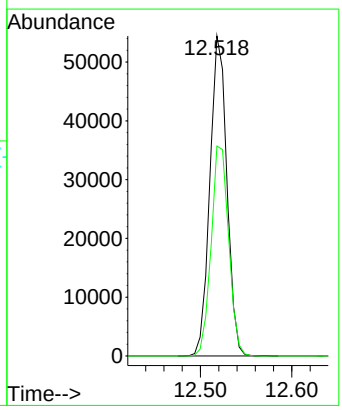
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

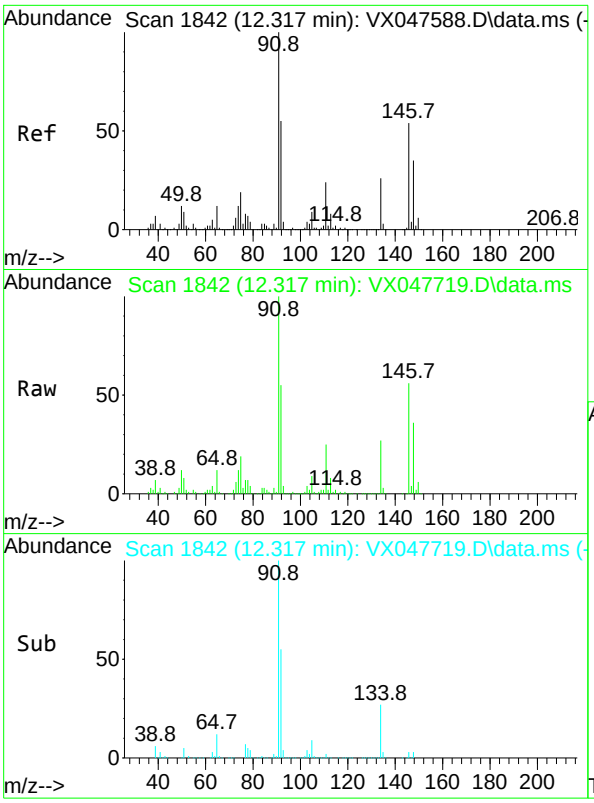



#90
Hexachloroethane
Concen: 53.956 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:117 Resp: 70085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 34.2 | 102.5 |

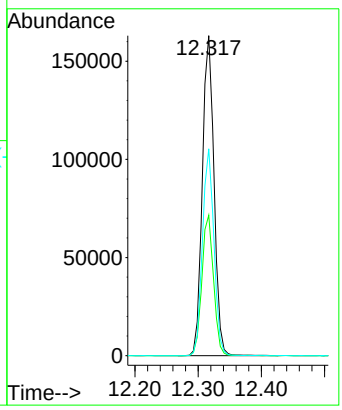





#91
1,2-Dichlorobenzene
Concen: 55.091 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:146 Resp: 21003

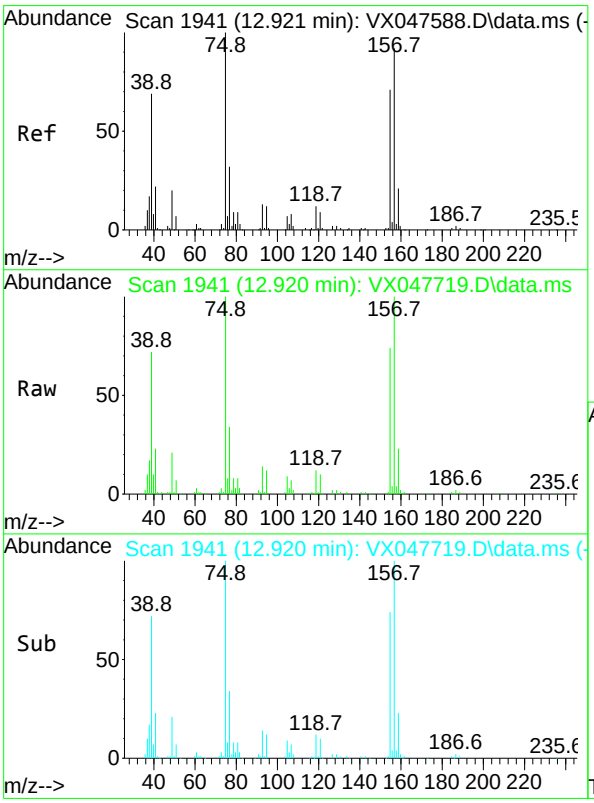
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

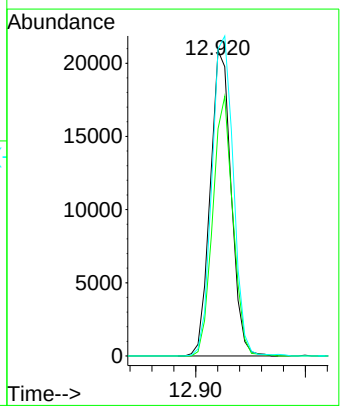
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

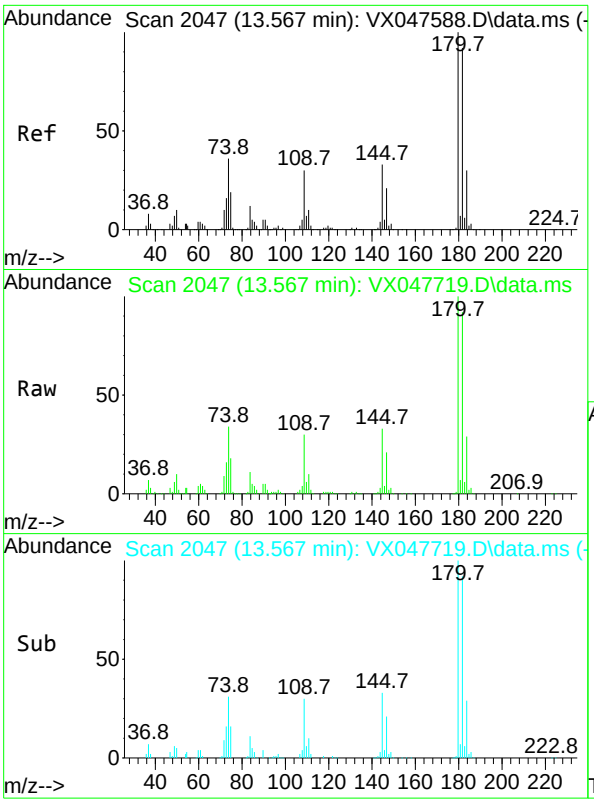



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.656 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 27679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 37.7 | 113.1 |
| 157 | 107.5 | 49.8 | 149.4 |

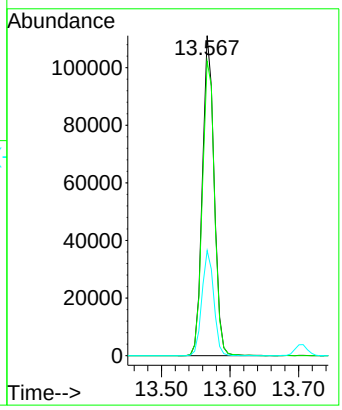





#93
1,2,4-Trichlorobenzene
Concen: 53.421 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:180 Resp: 13236

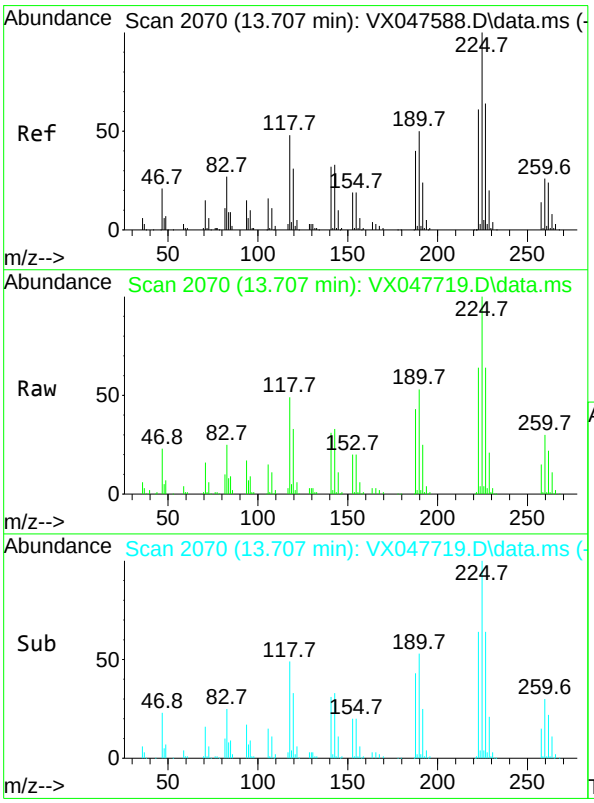
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.6 | 139.8 |
| 145 | 33.1 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

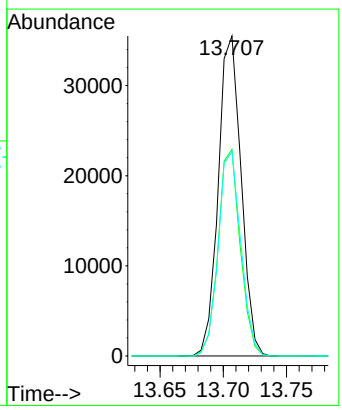
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

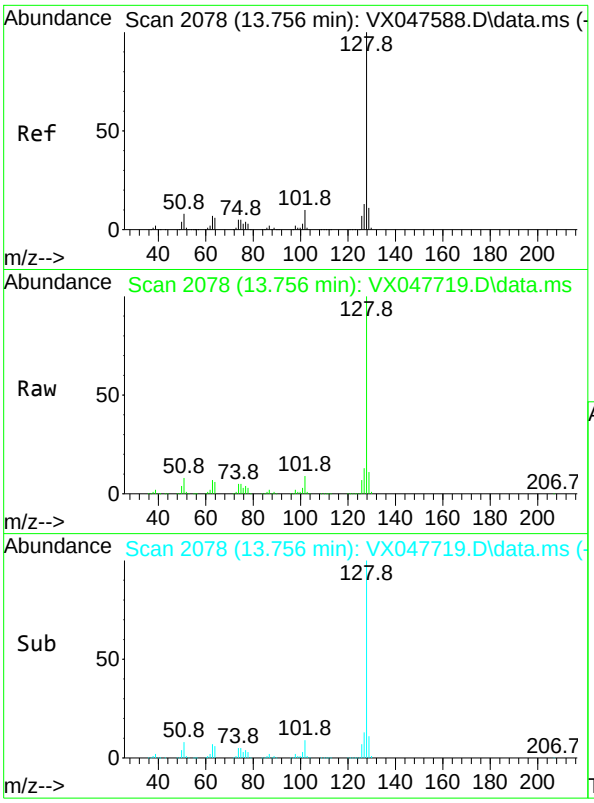



#94
Hexachlorobutadiene
Concen: 52.946 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:225 Resp: 44561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 31.7 | 95.1 |
| 227 | 63.2 | 32.0 | 96.0 |

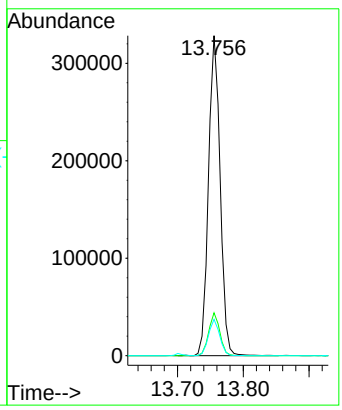





#95
Naphthalene
Concen: 53.744 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:128 Resp: 40550

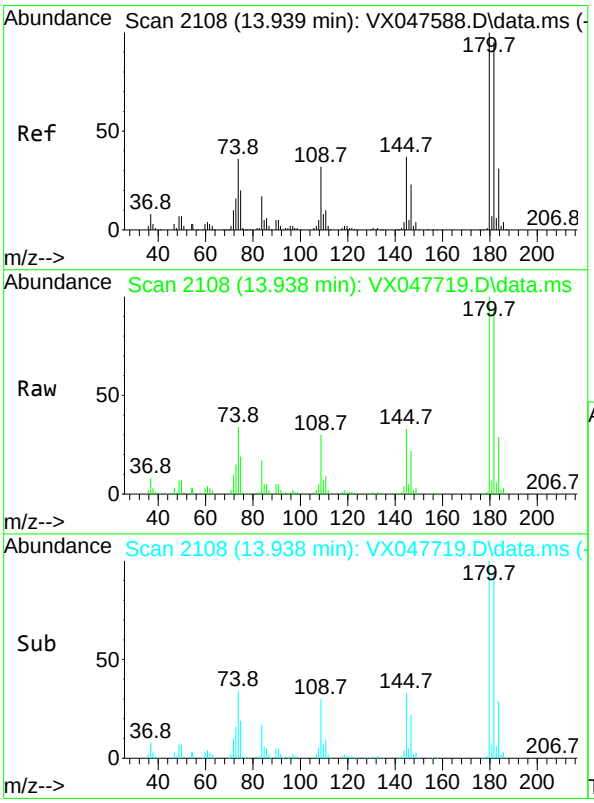
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 11.0 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

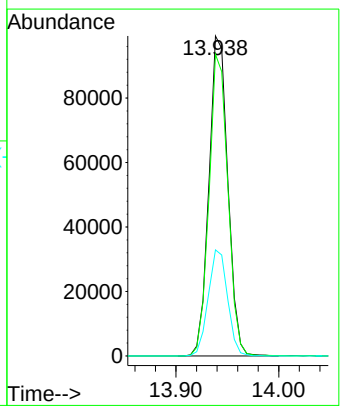
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 55.060 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:180 Resp: 126908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.6 | 142.8 |
| 145 | 33.8 | 17.9 | 53.7 |



Sample Results: **VX047719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 84 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.518 | 0.656 | -26.6# | 110 | 0.00 |
| 3 | P | Chloromethane | 0.680 | 0.808 | -18.8 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 0.666 | 0.805 | -20.9# | 102 | 0.00 |
| 5 | T | Bromomethane | 0.422 | 0.530 | -25.6# | 105 | 0.00 |
| 6 | T | Chloroethane | 0.445 | 0.514 | -15.5 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.989 | 1.104 | -11.6 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 0.405 | 0.463 | -14.3 | 95 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.650 | -12.5 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 0.902 | 1.047 | -16.1 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.089 | 0.087 | 2.2 | 82 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.594 | 0.677 | -14.0# | 94 | 0.00 |
| 13 | T | Acrolein | 0.082 | 0.092 | -12.2 | 95 | 0.00 |
| 14 | T | Allyl chloride | 1.226 | 1.342 | -9.5 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.378 | -15.2 | 91 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.388 | -12.1 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 1.626 | 1.899 | -16.8 | 102 | 0.00 |
| 18 | T | Methyl Acetate | 0.770 | 0.873 | -13.4 | 84 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.169 | 2.452 | -13.0 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 0.732 | 0.832 | -13.7 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.640 | 0.741 | -15.8 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 2.376 | 2.700 | -13.6 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 1.901 | 2.204 | -15.9 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.263 | 1.428 | -13.1 | 93 | 0.00 |
| 25 | T | 2-Butanone | 0.432 | 0.477 | -10.4 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.050 | 1.149 | -9.4 | 90 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.783 | 0.903 | -15.3 | 94 | -0.01 |
| 28 | T | Bromochloromethane | 0.551 | 0.612 | -11.1 | 89 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.285 | -9.6 | 87 | 0.00 |
| 30 | C | Chloroform | 1.276 | 1.444 | -13.2# | 92 | 0.00 |
| 31 | T | Cyclohexane | 1.052 | 1.142 | -8.6 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.082 | 1.211 | -11.9 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.816 | -2.5 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.352 | -5.1 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.490 | 0.516 | -5.3 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.559 | -6.5 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.561 | -5.5 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 0.556 | 0.599 | -7.7 | 91 | 0.00 |
| 40 | TM | Benzene | 1.488 | 1.647 | -10.7 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 0.271 | 0.298 | -10.0 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.566 | 0.606 | -7.1 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.860 | 0.931 | -8.3 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.403 | -11.9 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.426 | -11.8# | 92 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.307 | -10.8 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.634 | -10.8 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.458 | -6.8 | 88 | 0.00 |

Sample Results: **VX047719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.004 | 0.005 | -25.0 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 1.160 | 1.200 | -3.4 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.525 | -10.1 | 89 | 0.00 |
| 52 | CM | Toluene | 0.917 | 1.016 | -10.8# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.658 | -12.7 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.624 | 0.704 | -12.8 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.392 | -10.7 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.555 | 0.630 | -13.5 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.689 | -13.5 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.294 | -29.5# | 93 | 0.00 |
| 59 | T | 2-Hexanone | 0.343 | 0.374 | -9.0 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 0.407 | 0.464 | -14.0 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.360 | 0.410 | -13.9 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.440 | 0.459 | -4.3 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.353 | -8.3 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 1.136 | 1.246 | -9.7 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.440 | -12.2 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.960 | 2.150 | -9.7# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.807 | -10.7 | 92 | 0.00 |
| 69 | T | o-Xylene | 0.706 | 0.790 | -11.9 | 92 | 0.00 |
| 70 | T | Styrene | 1.236 | 1.382 | -11.8 | 93 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.332 | -13.3 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 3.801 | 4.072 | -7.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 1.733 | 1.886 | -8.8 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.253 | -9.0 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.012 | 0.990 | 2.2 | 79 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 1.030 | -10.0 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 4.494 | 4.846 | -7.8 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.752 | 2.937 | -6.7 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.123 | 3.365 | -7.7 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.397 | 0.417 | -5.0 | 91 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.251 | 3.448 | -6.1 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.197 | 3.395 | -6.2 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.166 | 3.429 | -8.3 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.797 | 4.071 | -7.2 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.215 | 3.438 | -6.9 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.739 | 1.887 | -8.5 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.785 | 1.893 | -6.1 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.975 | 3.171 | -6.6 | 91 | 0.00 |
| 90 | T | Hexachloroethane | 0.564 | 0.609 | -8.0 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.825 | -10.1 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.241 | -3.4 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.150 | -6.8 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.366 | 0.387 | -5.7 | 91 | 0.00 |
| 95 | T | Naphthalene | 3.279 | 3.524 | -7.5 | 90 | 0.00 |

Sample Results: **VX047719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1.002 | 1.103 | -10.1 | 91 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 84 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 63.389 | -26.8# | 110 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 59.371 | -18.7 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 60.422 | -20.8# | 102 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 62.771 | -25.5# | 105 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 57.762 | -15.5 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 55.813 | -11.6 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 57.259 | -14.5 | 95 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 56.200 | -12.4 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 58.055 | -16.1 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 244.621 | 2.2 | 82 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 57.012 | -14.0# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 282.952 | -13.2 | 95 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 54.723 | -9.4 | 93 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 287.505 | -15.0 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 280.166 | -12.1 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 58.393 | -16.8 | 102 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.673 | -13.3 | 84 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.537 | -13.1 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 56.815 | -13.6 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 57.928 | -15.9 | 96 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.829 | -13.7 | 92 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 289.816 | -15.9 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.537 | -13.1 | 93 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 276.163 | -10.5 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.744 | -9.5 | 90 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 57.629 | -15.3 | 94 | -0.01 |
| 28 | T | Bromochloromethane | 50.000 | 55.520 | -11.0 | 89 | -0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 274.666 | -9.9 | 87 | 0.00 |
| 30 | C | Chloroform | 50.000 | 56.566 | -13.1# | 92 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 54.312 | -8.6 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.958 | -11.9 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.280 | -2.6 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.461 | -4.9 | 92 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.619 | -5.2 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.244 | -6.5 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.659 | -5.3 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.805 | -7.6 | 91 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.328 | -10.7 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.020 | -10.0 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.472 | -6.9 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.094 | -8.2 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.974 | -11.9 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 55.852 | -11.7# | 92 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.264 | -10.5 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 55.419 | -10.8 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.434 | -6.9 | 88 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1254.001 | -25.4# | 98 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.720 | -3.4 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 275.127 | -10.1 | 89 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.411 | -10.8# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.347 | -12.7 | 92 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.434 | -12.9 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.502 | -11.0 | 92 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.751 | -13.5 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.707 | -13.4 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 274.956 | -10.0 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 272.845 | -9.1 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.997 | -14.0 | 92 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.870 | -13.7 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.073 | -4.1 | 93 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.167 | -8.3 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.848 | -9.7 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.149 | -12.3 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.859 | -9.7# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 110.636 | -10.6 | 92 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 55.967 | -11.9 | 92 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.888 | -11.8 | 93 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.699 | -13.4 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.558 | -7.1 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.388 | -8.8 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.463 | -8.9 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.886 | 2.2 | 79 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 54.994 | -10.0 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.923 | -7.8 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.352 | -6.7 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.867 | -7.7 | 91 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.569 | -5.1 | 91 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.035 | -6.1 | 90 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.095 | -6.2 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.142 | -8.3 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.598 | -7.2 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.461 | -6.9 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 54.263 | -8.5 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.031 | -6.1 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.292 | -6.6 | 91 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.956 | -7.9 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 55.091 | -10.2 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.656 | -3.3 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.421 | -6.8 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.946 | -5.9 | 91 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.744 | -7.5 | 90 | 0.00 |

Sample Results: **VX047719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 55.060 | -10.1 | 91 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047744.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: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q3141

Instrument ID: MSVOA_X | Calibration Date/Time: 09/23/2025 19:00

Lab File ID: VX047744.D | Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:23 12:01

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.518 | 0.632 | | 22.01 | 50 |
| Chloromethane | 0.680 | 0.784 | 0.1 | 15.29 | 50 |
| Vinyl Chloride | 0.666 | 0.776 | | 16.52 | 50 |
| Bromomethane | 0.422 | 0.496 | | 17.54 | 50 |
| Chloroethane | 0.445 | 0.505 | | 13.48 | 50 |
| Trichlorofluoromethane | 0.989 | 1.097 | | 10.92 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.578 | 0.639 | | 10.55 | 50 |
| 1,1-Dichloroethene | 0.594 | 0.657 | | 10.61 | 50 |
| Acetone | 0.346 | 0.295 | | -14.74 | 50 |
| Carbon Disulfide | 1.626 | 1.828 | | 12.42 | 50 |
| Methyl tert-butyl Ether | 2.169 | 2.338 | | 7.79 | 50 |
| Methyl Acetate | 0.770 | 0.876 | | 13.77 | 50 |
| Methylene Chloride | 0.732 | 0.797 | | 8.88 | 50 |
| trans-1,2-Dichloroethene | 0.640 | 0.715 | | 11.72 | 50 |
| 1,1-Dichloroethane | 1.263 | 1.376 | 0.1 | 8.95 | 50 |
| Cyclohexane | 1.052 | 1.100 | | 4.56 | 50 |
| 2-Butanone | 0.432 | 0.442 | | 2.32 | 50 |
| Carbon Tetrachloride | 0.532 | 0.522 | | -1.88 | 50 |
| cis-1,2-Dichloroethene | 0.783 | 0.862 | | 10.09 | 50 |
| Bromochloromethane | 0.551 | 0.579 | | 5.08 | 50 |
| Chloroform | 1.276 | 1.391 | | 9.01 | 50 |
| 1,1,1-Trichloroethane | 1.082 | 1.150 | | 6.28 | 50 |
| Methylcyclohexane | 0.556 | 0.569 | | 2.34 | 50 |
| Benzene | 1.488 | 1.586 | | 6.59 | 50 |
| 1,2-Dichloroethane | 0.566 | 0.582 | | 2.83 | 50 |
| Trichloroethene | 0.360 | 0.386 | | 7.22 | 50 |
| 1,2-Dichloropropane | 0.381 | 0.410 | | 7.61 | 50 |
| Bromodichloromethane | 0.572 | 0.607 | | 6.12 | 50 |
| 4-Methyl-2-Pentanone | 0.477 | 0.521 | | 9.22 | 50 |
| Toluene | 0.917 | 0.974 | | 6.22 | 50 |
| t-1,3-Dichloropropene | 0.584 | 0.590 | | 1.03 | 50 |
| cis-1,3-Dichloropropene | 0.624 | 0.642 | | 2.88 | 50 |
| 1,1,2-Trichloroethane | 0.354 | 0.387 | | 9.32 | 50 |
| 2-Hexanone | 0.343 | 0.358 | | 4.37 | 50 |
| Dibromochloromethane | 0.407 | 0.441 | | 8.35 | 50 |
| 1,2-Dibromoethane | 0.360 | 0.396 | | 10 | 50 |
| Tetrachloroethene | 0.326 | 0.337 | | 3.37 | 50 |
| Chlorobenzene | 1.136 | 1.185 | 0.3 | 4.31 | 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: **VX047744.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: | Alliance | Contract: | TETR06 |
| Lab Code: | ACE | SDG No.: | Q3141 |
| Instrument ID: | MSVOA_X | Calibration Date/Time: | 09/23/2025 19:00 |
| Lab File ID: | VX047744.D | Init. Calib. Date(s): | 09/16/2025 09/16/2025 |
| Heated Purge: (Y/N) | N | Init. Calib. Time(s): | 09:23 12:01 |

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.960 | 2.020 | | 3.06 | 50 |
| m/p-Xylenes | 0.729 | 0.755 | | 3.57 | 50 |
| o-Xylene | 0.706 | 0.741 | | 4.96 | 50 |
| Styrene | 1.236 | 1.305 | | 5.58 | 50 |
| Bromoform | 0.293 | 0.305 | 0.1 | 4.1 | 50 |
| Isopropylbenzene | 3.801 | 3.780 | | -0.55 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.150 | 1.194 | 0.3 | 3.83 | 50 |
| 1,3-Dichlorobenzene | 1.739 | 1.714 | | -1.44 | 50 |
| 1,4-Dichlorobenzene | 1.785 | 1.729 | | -3.14 | 50 |
| 1,2-Dichlorobenzene | 1.657 | 1.655 | | -0.12 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.233 | 0.228 | | -2.15 | 50 |
| 1,2,4-Trichlorobenzene | 1.077 | 1.029 | | -4.46 | 50 |
| 1,2,3-Trichlorobenzene | 1.002 | 0.989 | | -1.3 | 50 |
| 1,2-Dichloroethane-d4 | 0.796 | 0.781 | | -1.88 | 50 |
| Dibromofluoromethane | 0.335 | 0.336 | | 0.3 | 50 |
| Toluene-d8 | 1.160 | 1.139 | | -1.81 | 50 |
| 4-Bromofluorobenzene | 0.440 | 0.434 | | -1.36 | 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\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 149304 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 270355 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 243306 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 119961 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 116606 | 49.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 98.140% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 90861 | 50.112 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.220% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 307967 | 49.087 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.180% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 117402 | 49.307 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 98.620% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 94404 | 61.061 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 117058 | 57.609 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 115926 | 58.282 | ug/l | 100 |
| 5) Bromomethane | 1.617 | 94 | 74054 | 58.713 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 75449 | 56.753 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 163767 | 55.451 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 65417 | 54.148 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 95418 | 55.254 | ug/l | 99 |
| 10) Methyl Iodide | 2.459 | 142 | 145088 | 53.870 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.946 | 59 | 61154 | 231.046 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 98052 | 55.275 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 68714 | 281.718 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 185829 | 50.766 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 282724 | 288.375 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 220076 | 212.978 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 272927 | 56.202 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 130811 | 56.883 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 349001 | 53.896 | ug/l | 99 |
| 20) Methylene Chloride | 2.794 | 84 | 119000 | 54.405 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 106771 | 55.907 | ug/l | 99 |
| 22) Diisopropyl ether | 3.757 | 45 | 386641 | 54.502 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 1566296 | 275.867 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 205496 | 54.500 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 330135 | 256.128 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 130530 | 41.645 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 128773 | 55.058 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 86403 | 52.489 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.995 | 42 | 217984 | 281.124 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 207673 | 54.504 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 164278 | 52.311 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 171647 | 53.110 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 134570 | 50.792 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 146380 | 51.600 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 141128 | 49.026 | ug/l | 93 |
| 39) Methylcyclohexane | 7.366 | 83 | 153808 | 51.142 | ug/l | 99 |
| 40) Benzene | 6.025 | 78 | 428760 | 53.282 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 79236 | 54.104 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 157471 | 51.431 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 243453 | 52.327 | ug/l | | 99 |
| 44) Trichloroethene | 7.110 | 130 | 104230 | 53.576 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 110894 | 53.818 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 79627 | 53.104 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.805 | 83 | 164232 | 53.077 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.677 | 41 | 121164 | 52.283 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 28012 | 1196.046 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 703728 | 272.809 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 263320 | 53.113 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 159381 | 50.499 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 173466 | 51.421 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 104553 | 54.692 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 163467 | 54.448 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 179171 | 54.560 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 360369 | 251.172 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 483347 | 260.895 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 119117 | 54.078 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 106971 | 54.937 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.262 | 164 | 82104 | 51.765 | ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 288305 | 52.159 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 98820 | 51.810 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 491426 | 51.527 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 367469 | 103.518 | ug/l | | 99 |
| 69) o-Xylene | 10.628 | 106 | 180297 | 52.511 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 317529 | 52.779 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 74197 | 52.097 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 453473 | 49.722 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 210798 | 50.685 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 143186 | 51.892 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 127852m | 52.639 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 112329 | 50.007 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 533484 | 49.483 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 324017 | 49.069 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 370433 | 49.437 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 44224 | 46.433 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 386898 | 49.610 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 373585 | 48.704 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 376730 | 49.591 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 445326 | 48.878 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 373936 | 48.479 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 205631 | 49.286 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 207463 | 48.449 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 345737 | 48.442 | ug/l | | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 65317 | 48.232 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 198557 | 49.953 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 27323 | 48.908 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 123384 | 47.762 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39729 | 45.277 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 389975 | 49.575 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 118608 | 49.357 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

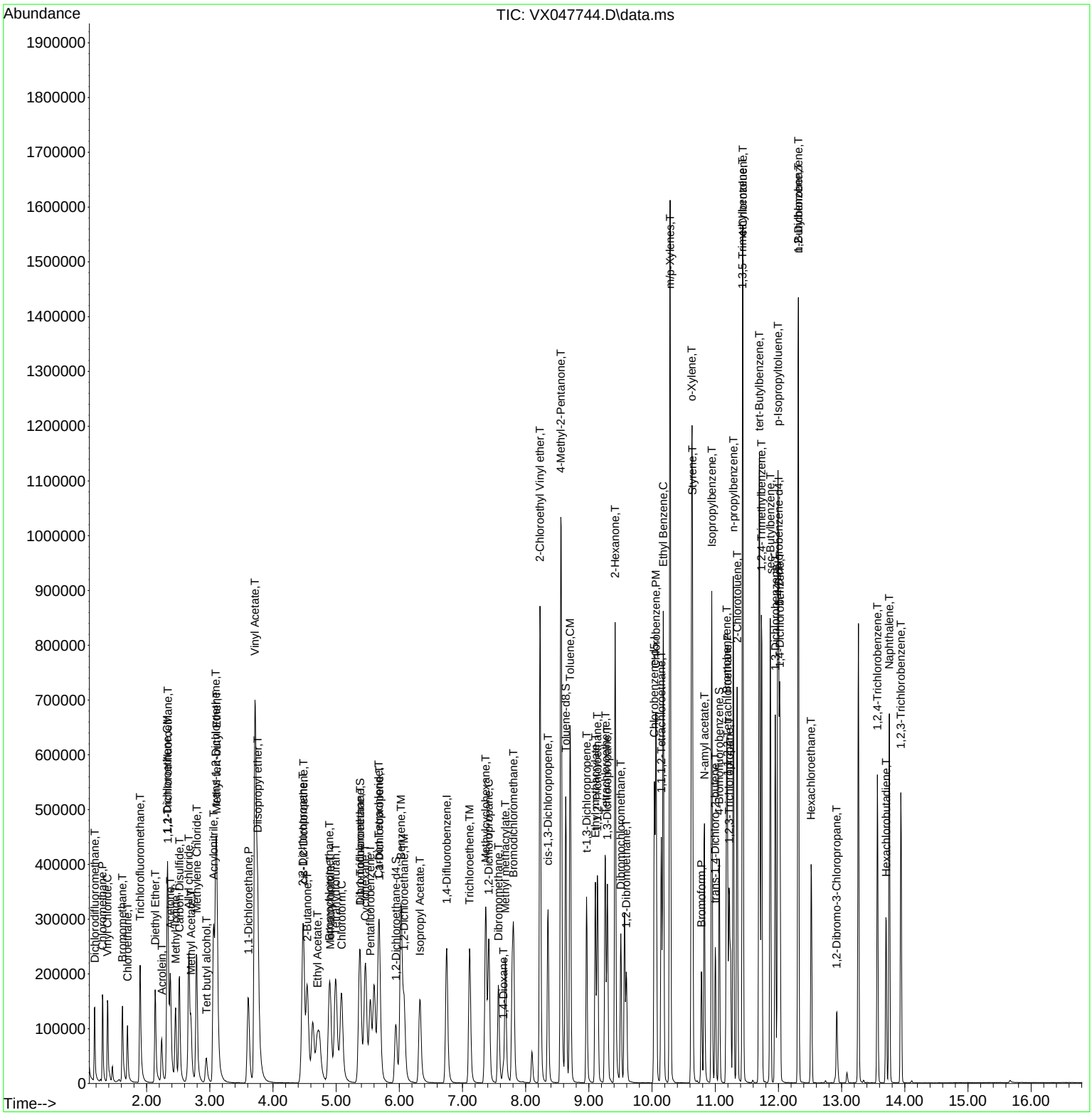
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

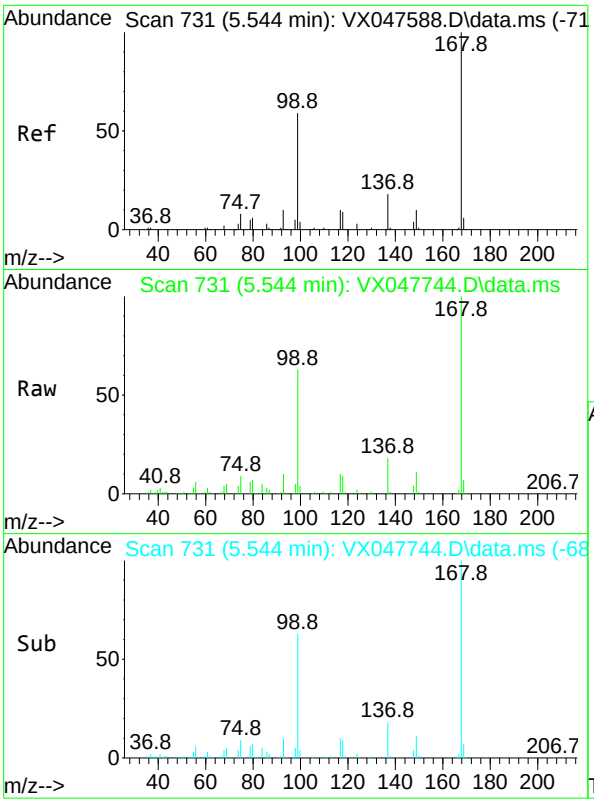
Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

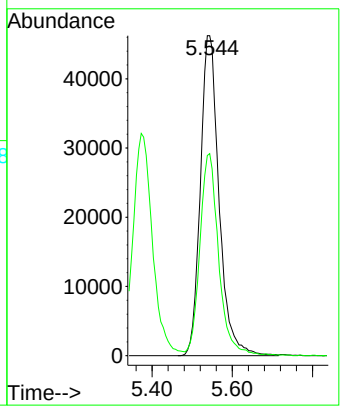





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:168 Resp: 14930

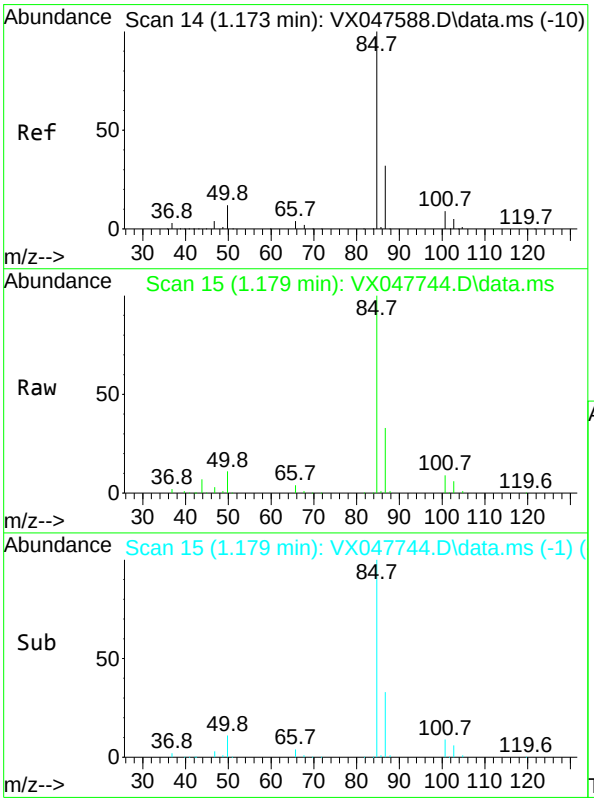
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

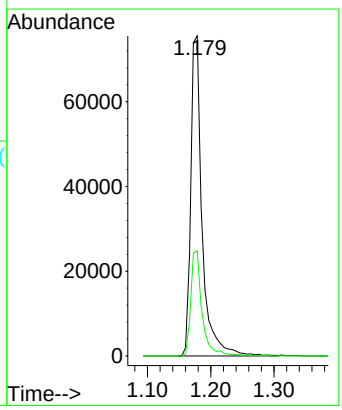
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

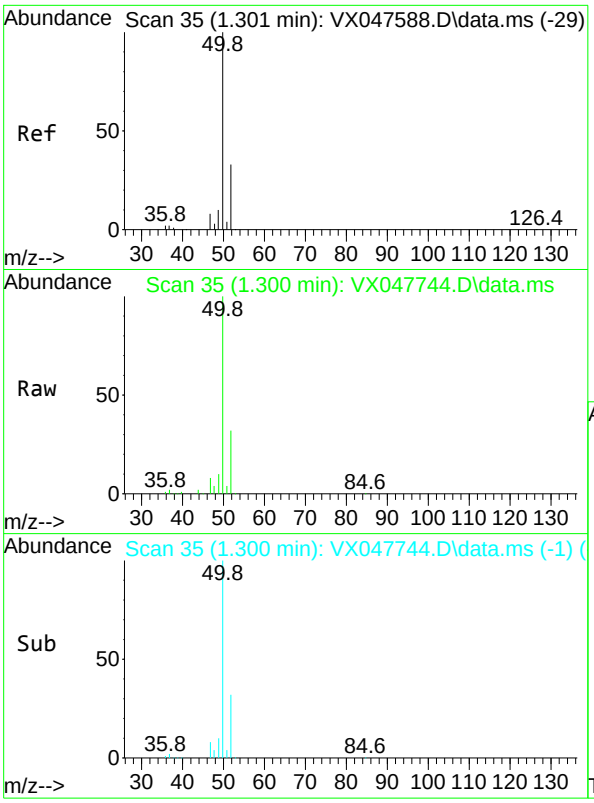



#2
Dichlorodifluoromethane
Concen: 61.061 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 85 Resp: 94404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |

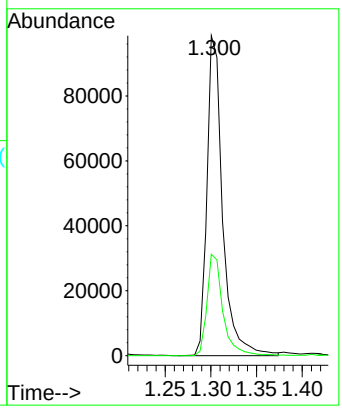





#3
Chloromethane
Concen: 57.609 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 50 Resp: 11705

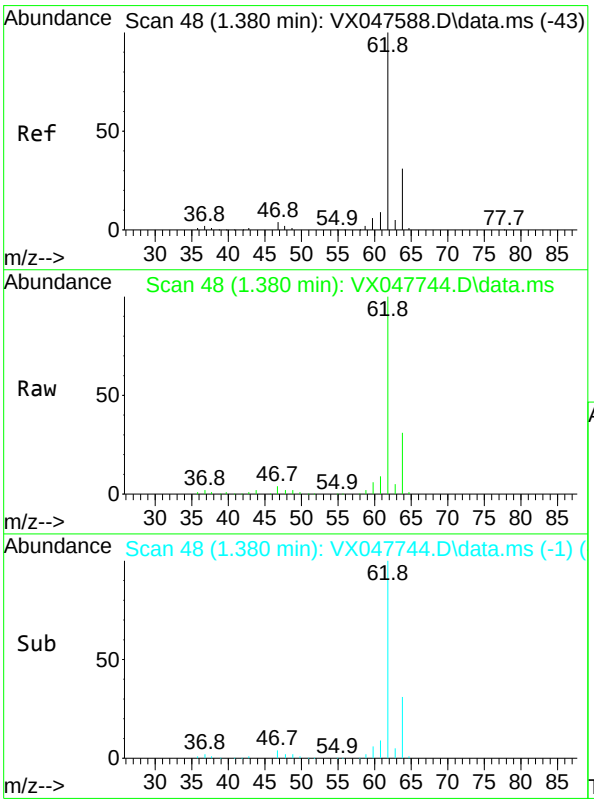
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

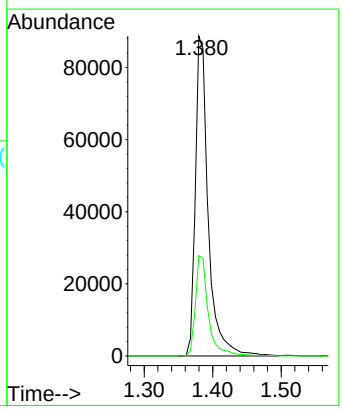
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

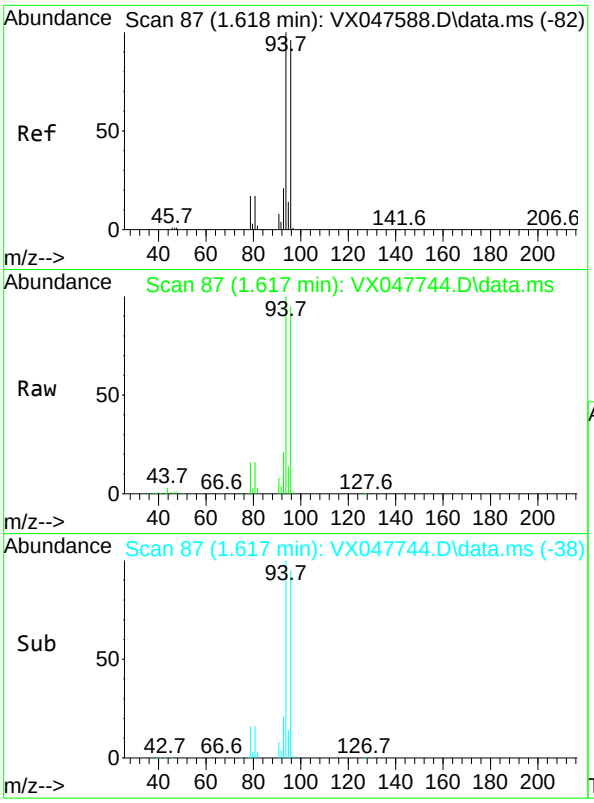



#4
Vinyl Chloride
Concen: 58.282 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 62 Resp: 115926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 24.9 | 37.3 |

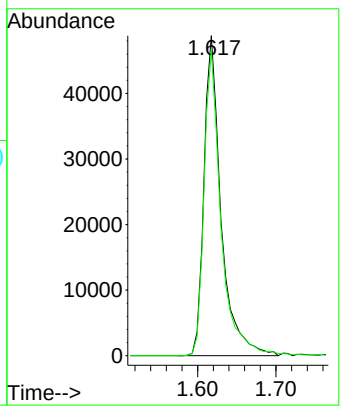





#5
Bromomethane
Concen: 58.713 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 94 Resp: 7405

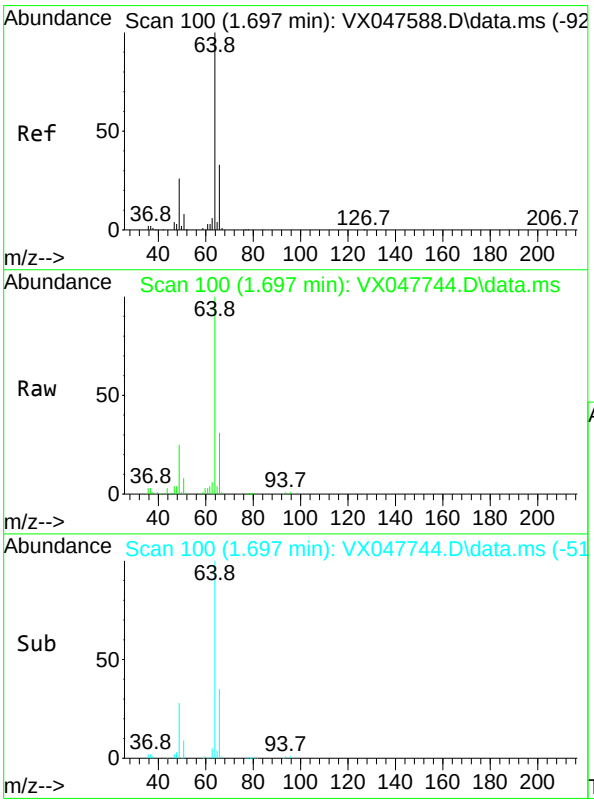
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

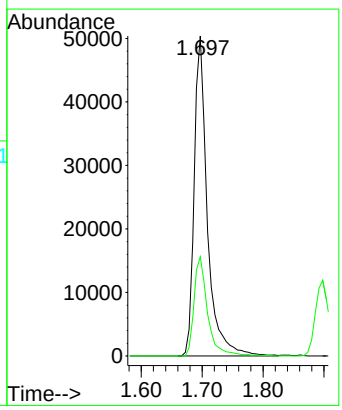
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

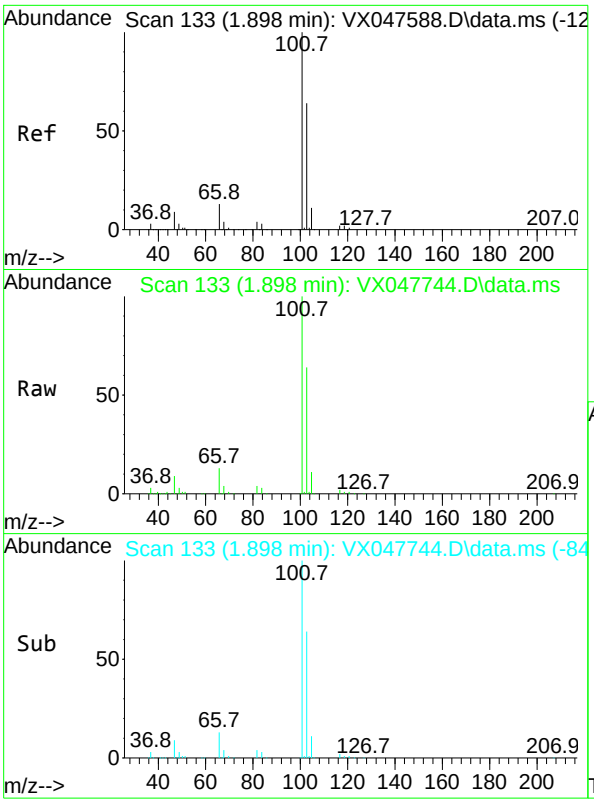



#6
Chloroethane
Concen: 56.753 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 64 Resp: 75449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.0 | 26.1 | 39.1 |

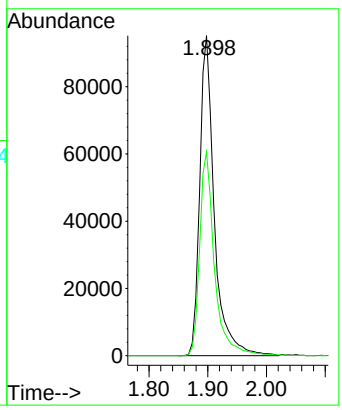





#7
Trichlorofluoromethane
Concen: 55.451 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:101 Resp: 16376

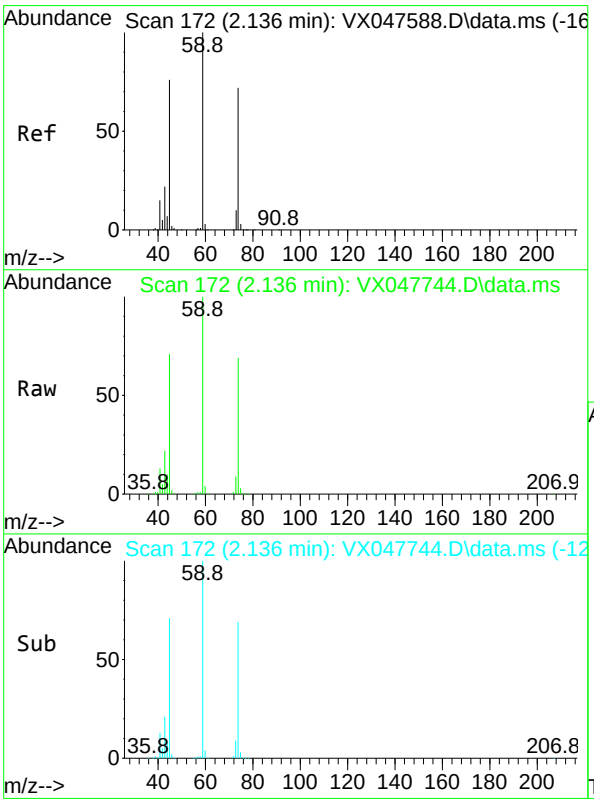
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

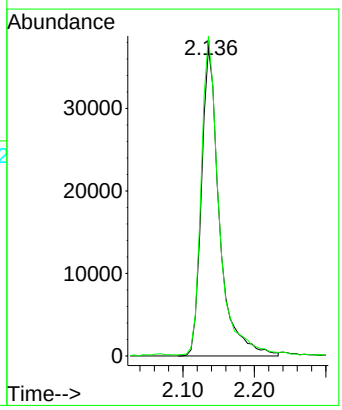
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

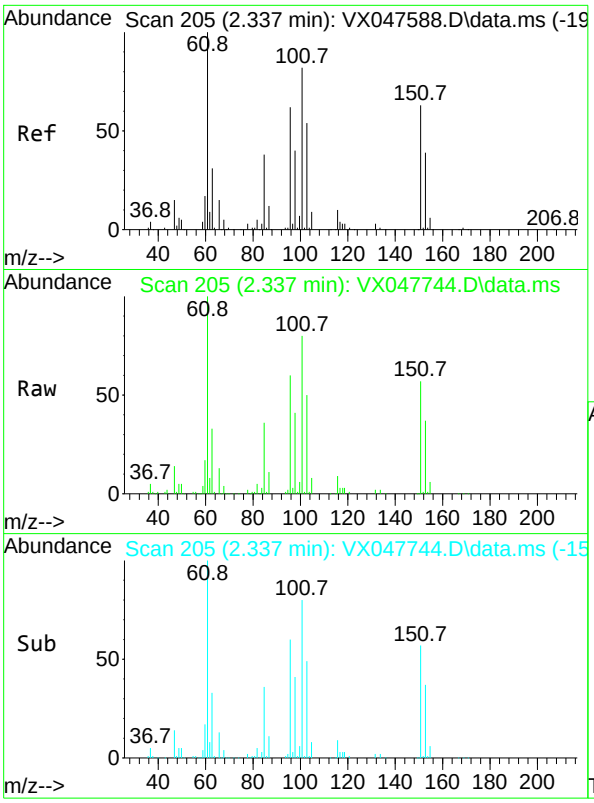



#8
Diethyl Ether
Concen: 54.148 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 74 Resp: 65417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.9 | 52.3 | 156.8 |

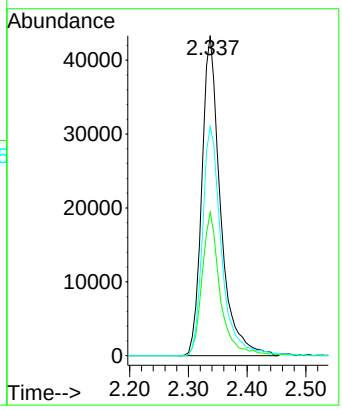





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.254 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:101 Resp: 9541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.5 | 53.3 |
| 151 | 73.2 | 59.4 | 89.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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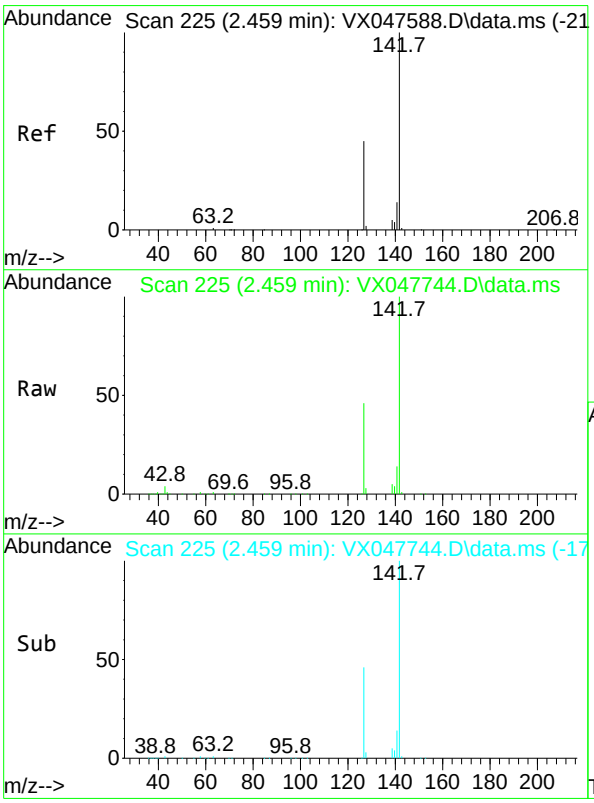
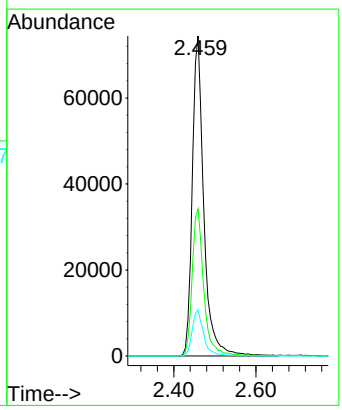
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

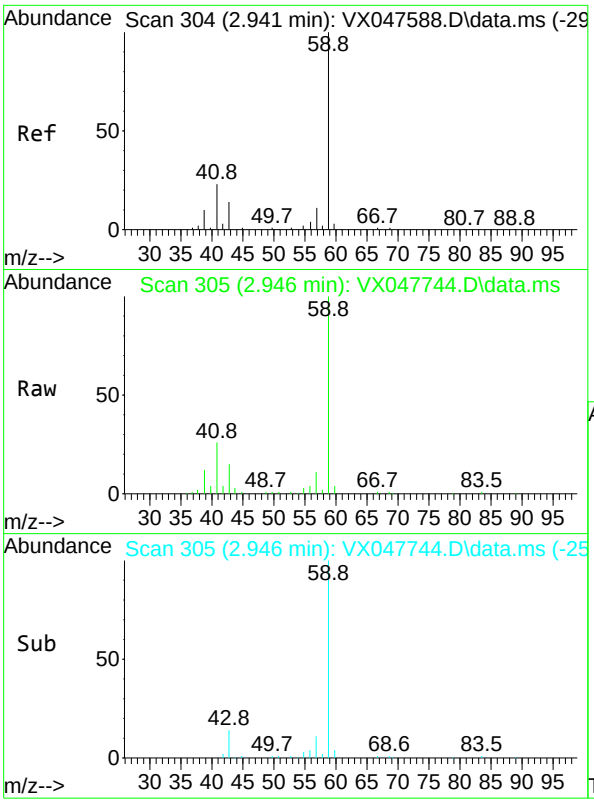



#10
Methyl Iodide
Concen: 53.870 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:142 Resp: 145088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |

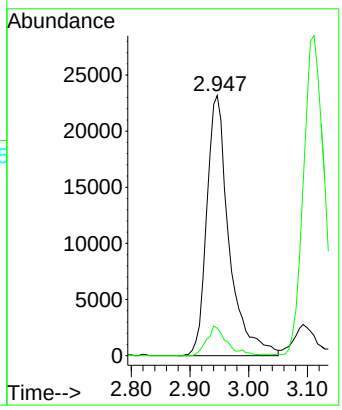





#11
Tert butyl alcohol
Concen: 231.046 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 59 Resp: 6115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |




**Instrument :**
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VSTDCCC050EC

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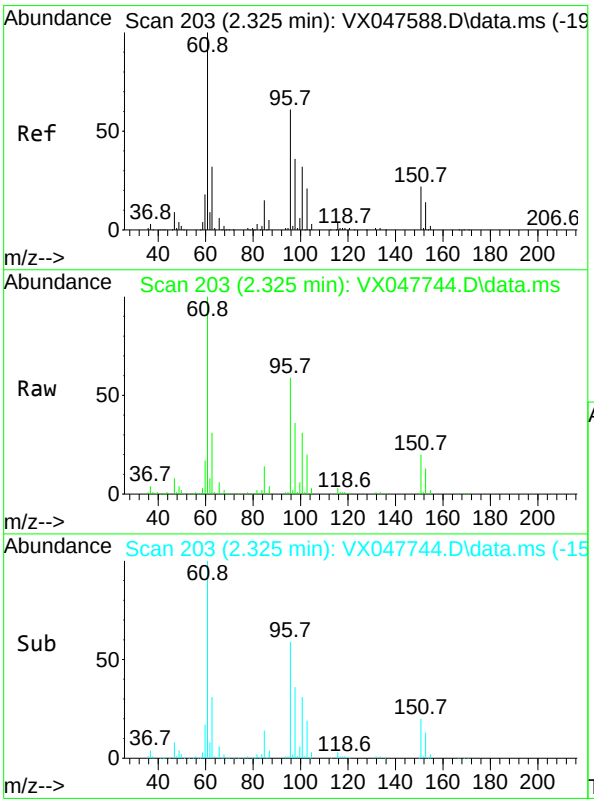
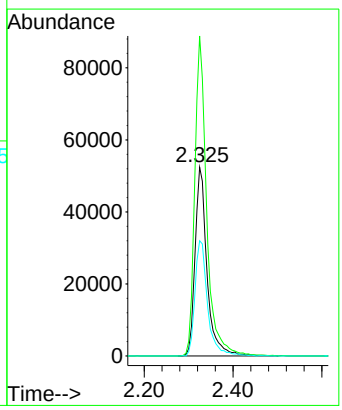
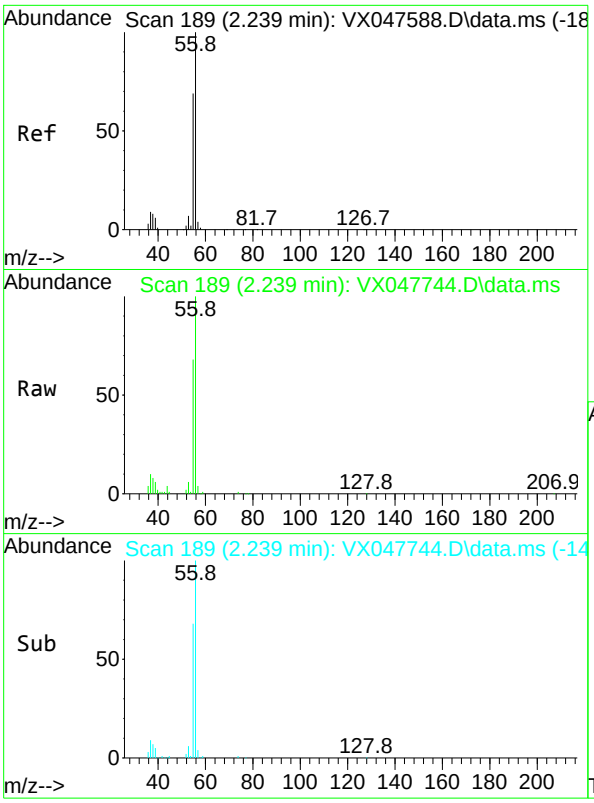



#12
1,1-Dichloroethene
Concen: 55.275 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 96 Resp: 98052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.5 | 131.0 | 196.6 |
| 98 | 61.1 | 47.7 | 71.5 |






#13
Acrolein
Concen: 281.718 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 56 Resp: 6871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 57.2 | 85.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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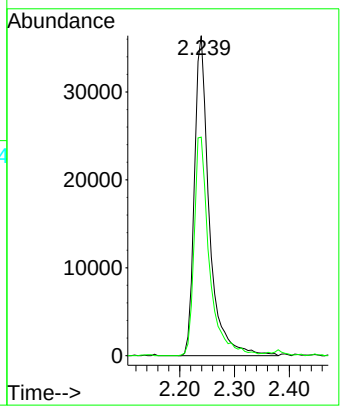
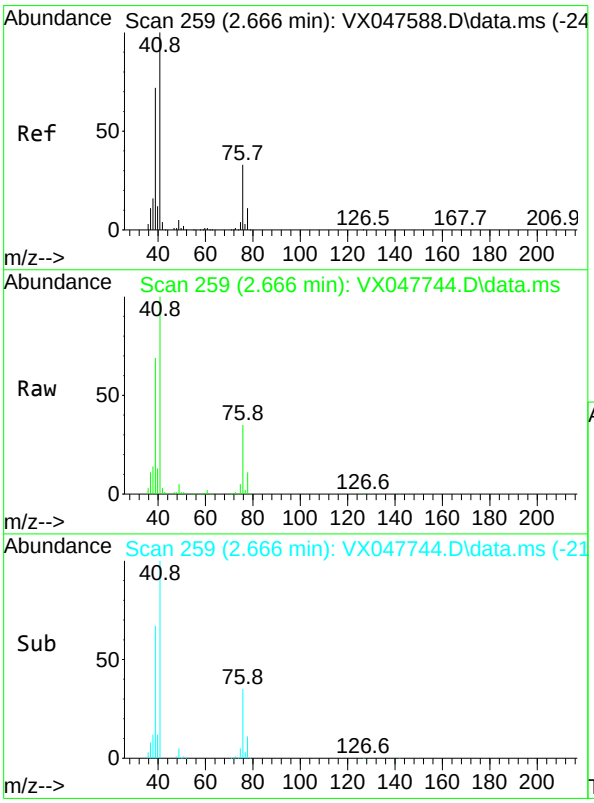
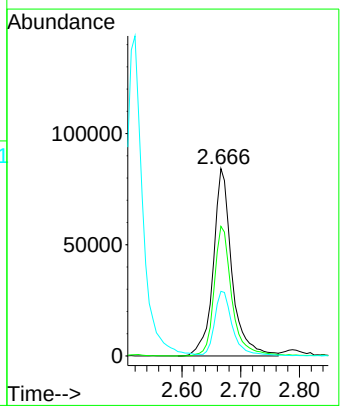


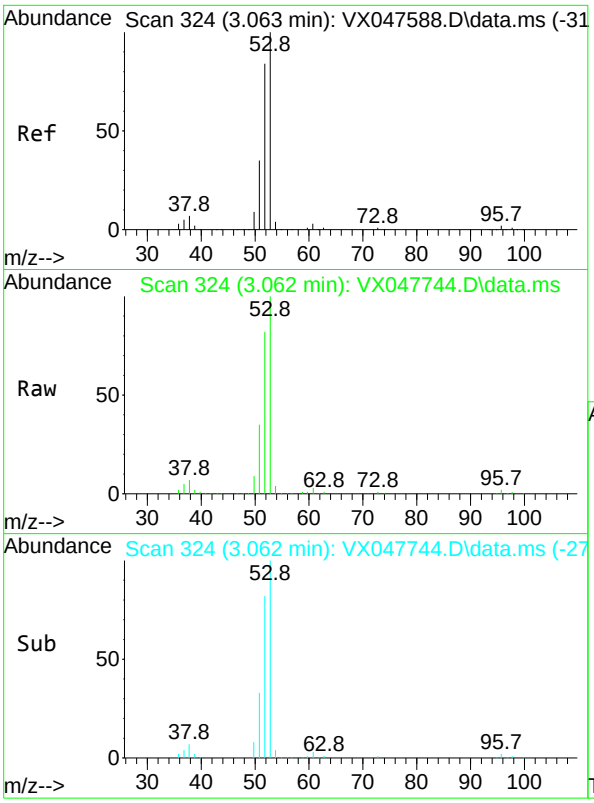




#14
Allyl chloride
Concen: 50.766 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 41 Resp: 185829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.8 | 54.7 | 82.1 |
| 76 | 33.1 | 25.7 | 38.5 |

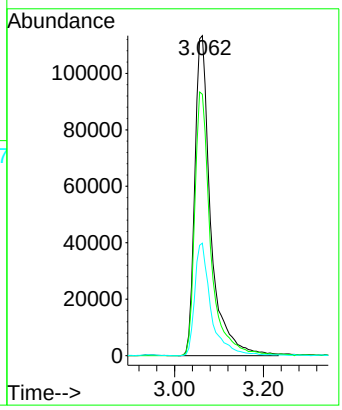





#15
Acrylonitrile
Concen: 288.375 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 53 Resp: 28272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 66.4 | 99.6 |
| 51 | 36.3 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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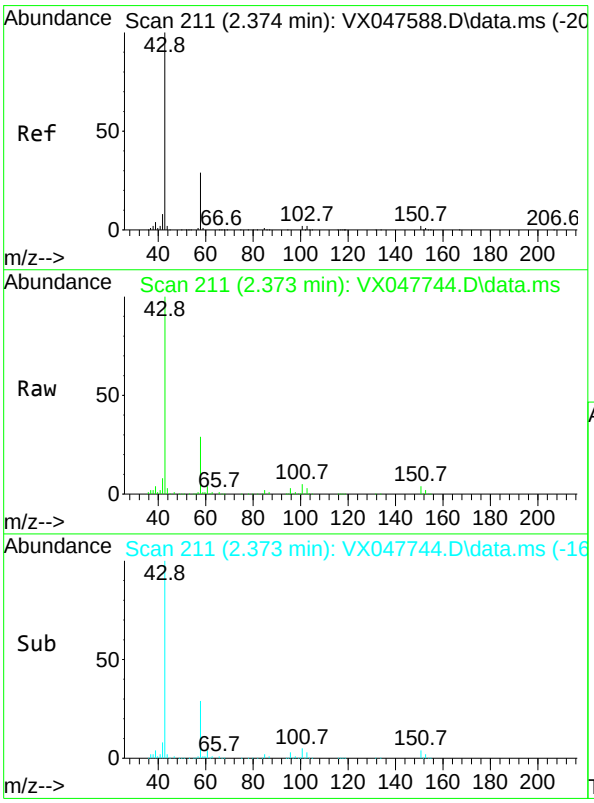
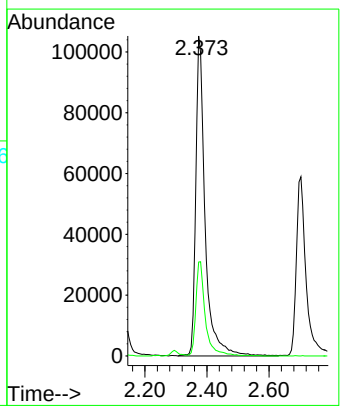
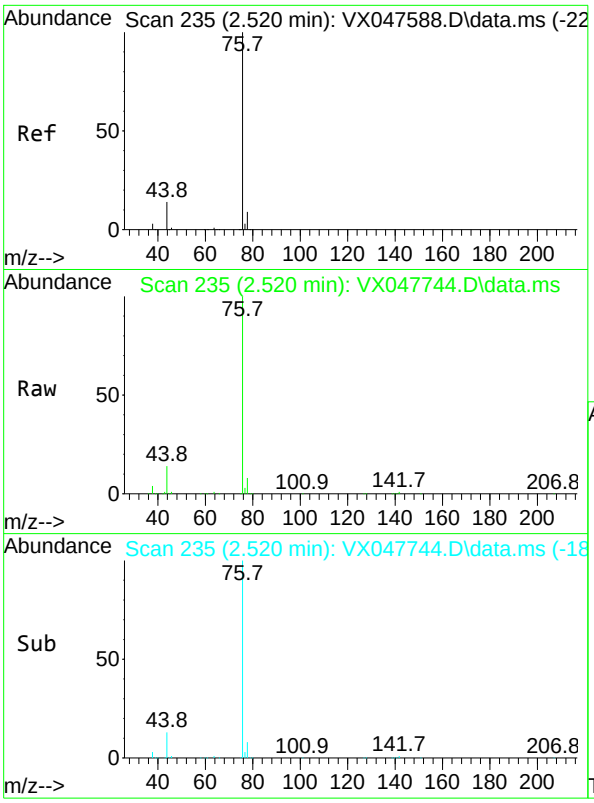



#16
Acetone
Concen: 212.978 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 220076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.4 | 35.0 |

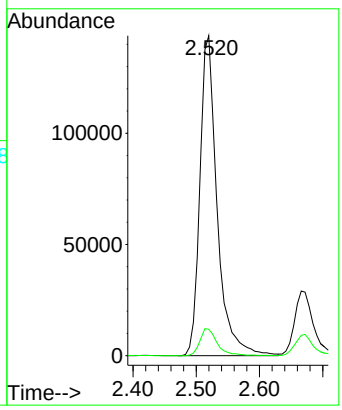





#17
Carbon Disulfide
Concen: 56.202 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 76 Resp: 27292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.3 | 6.8 | 10.2 |




**Instrument :**
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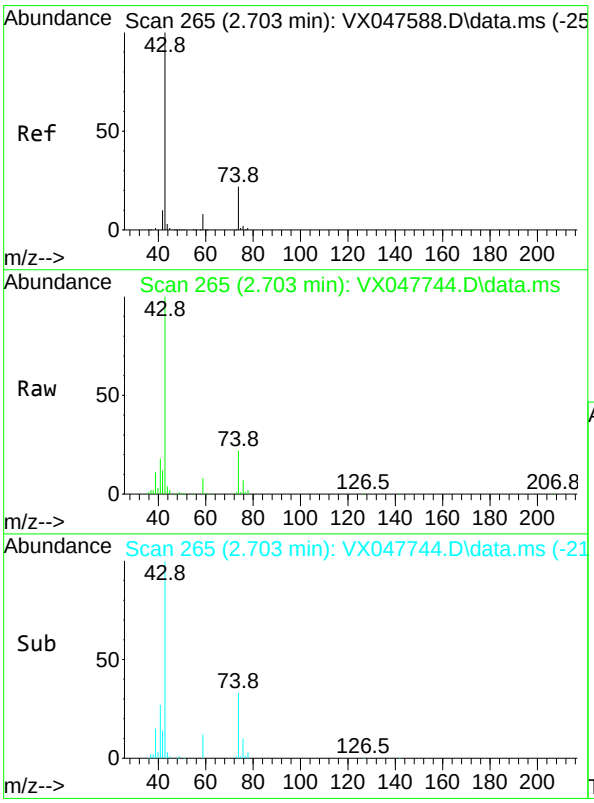
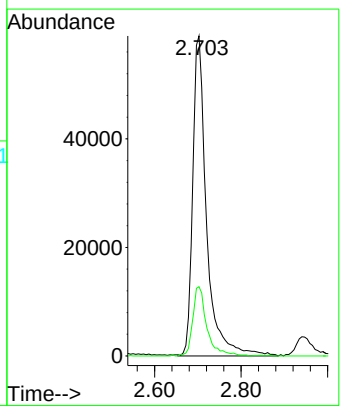
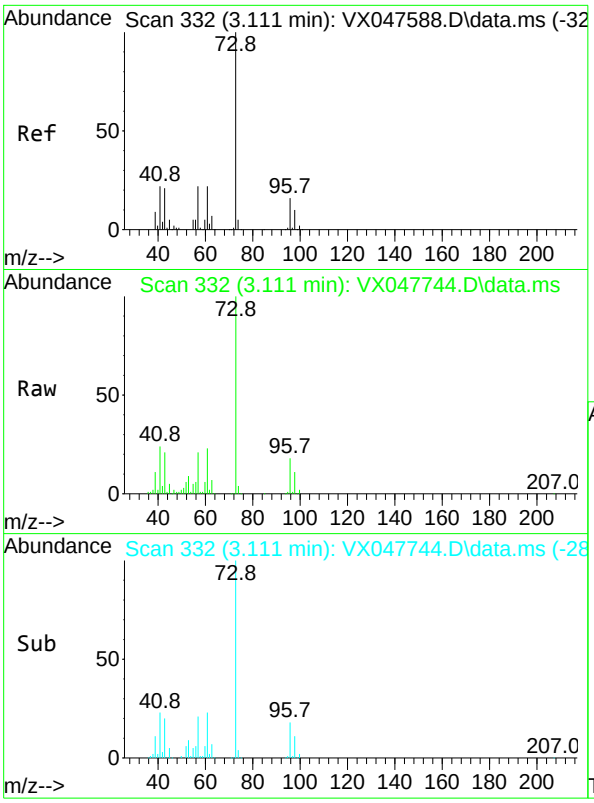



#18
Methyl Acetate
Concen: 56.883 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 130811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 17.4 | 26.2 |

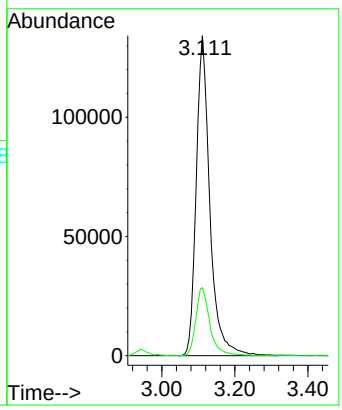





#19
Methyl tert-butyl Ether
Concen: 53.896 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 73 Resp: 34900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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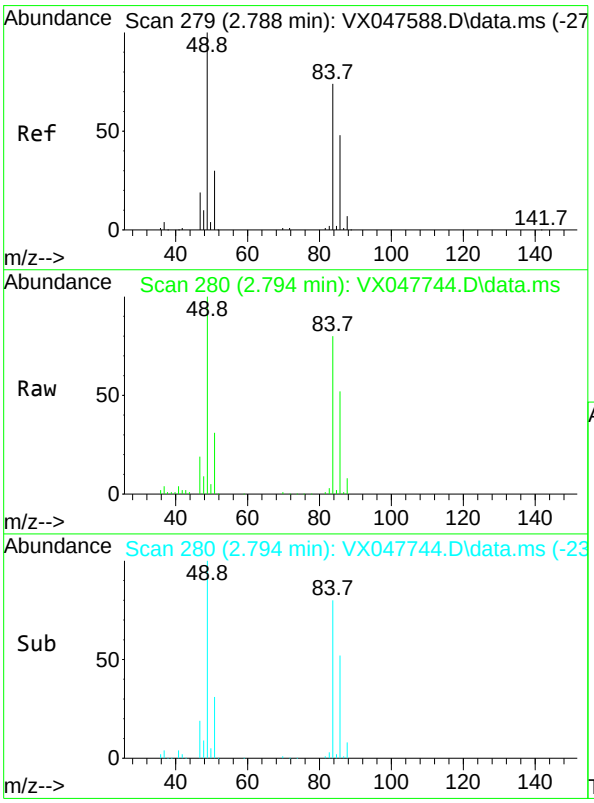
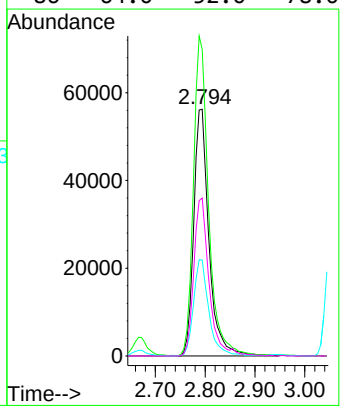
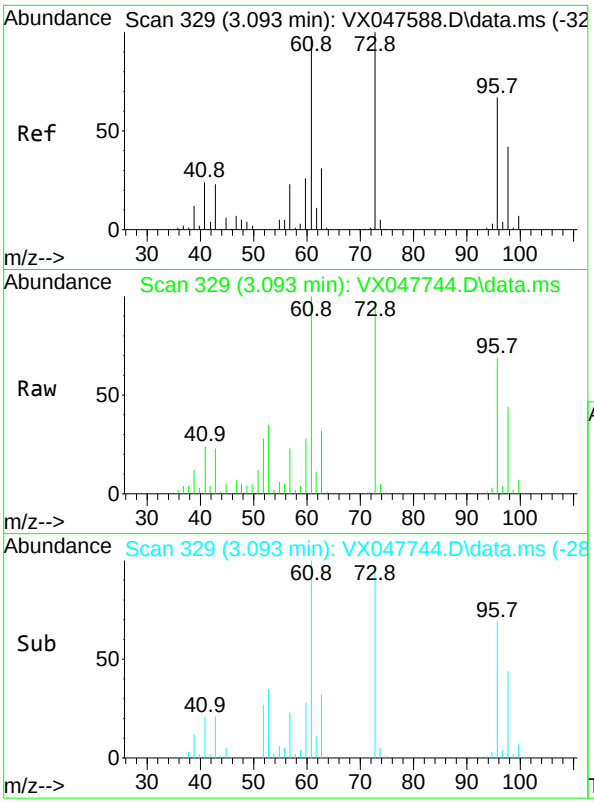



#20
Methylene Chloride
Concen: 54.405 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 84 Resp: 119000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.1 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 64.0 | 52.0 | 78.0 |

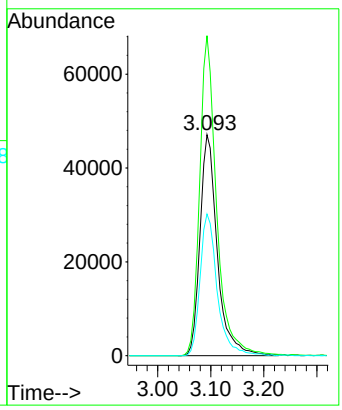





#21
trans-1,2-Dichloroethene
Concen: 55.907 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 96 Resp: 10677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 116.2 | 174.2 |
| 98 | 64.1 | 49.3 | 73.9 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050EC

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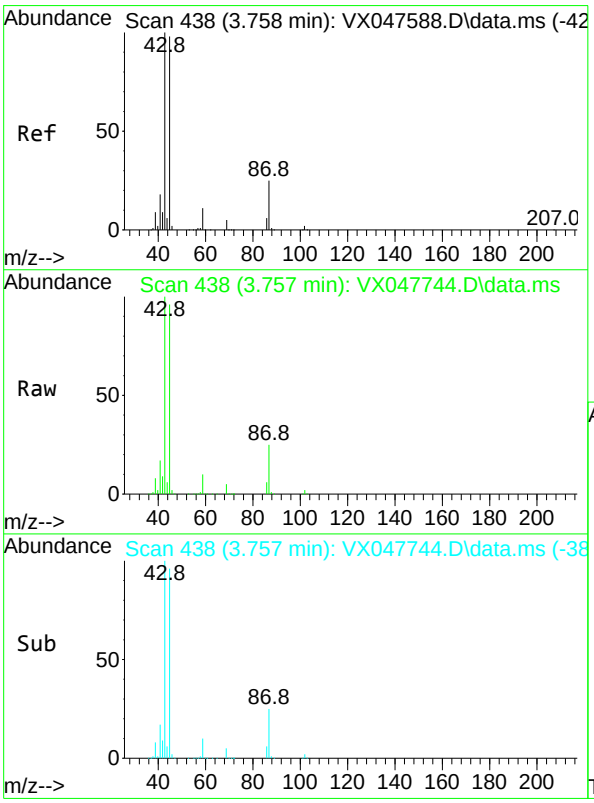
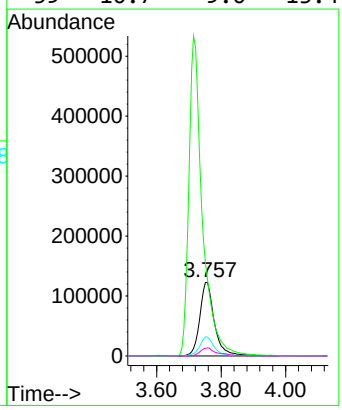
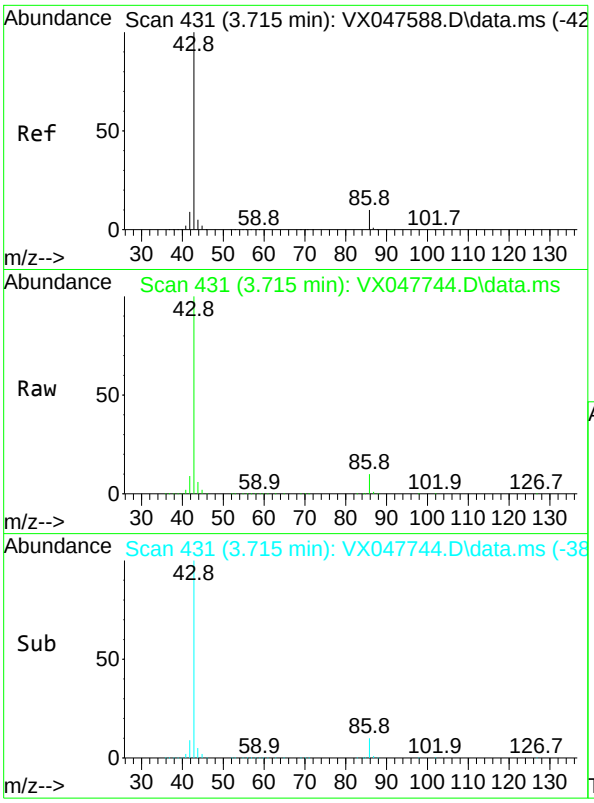



#22
Diisopropyl ether
Concen: 54.502 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 45 Resp: 386641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 103.5 | 81.0 | 121.4 |
| 87 | 25.6 | 20.3 | 30.5 |
| 59 | 10.7 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 275.867 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 156629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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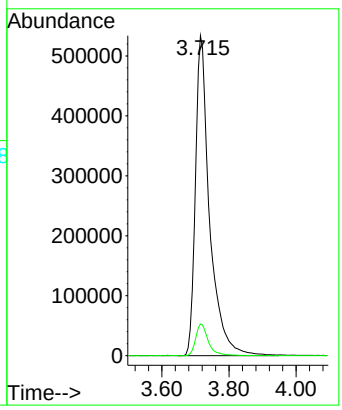
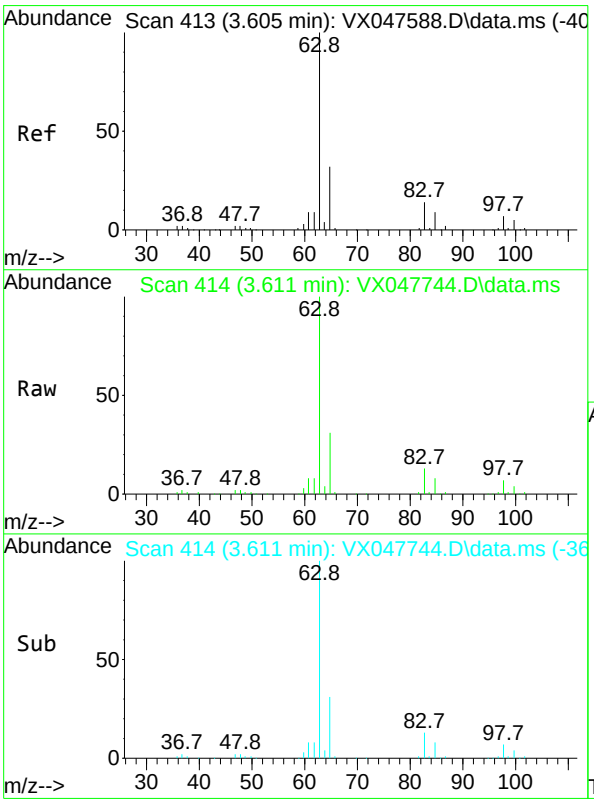
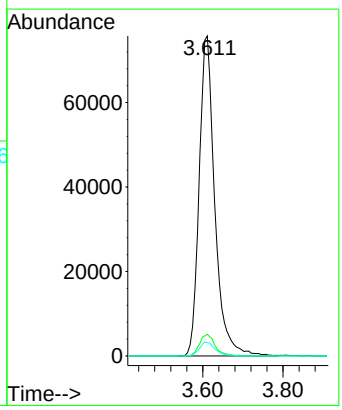


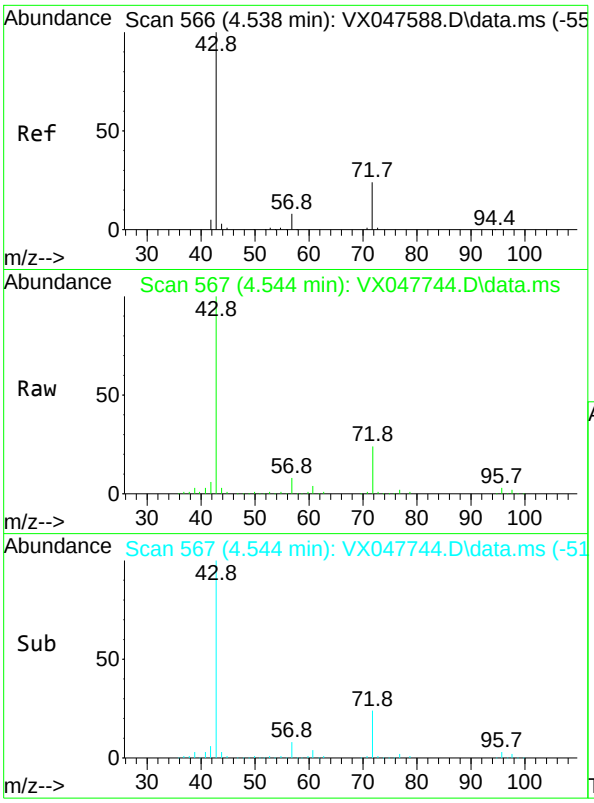




#24
1,1-Dichloroethane
Concen: 54.500 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 63 Resp: 205496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.8 | 11.2 |
| 100 | 4.2 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 256.128 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 33013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.4 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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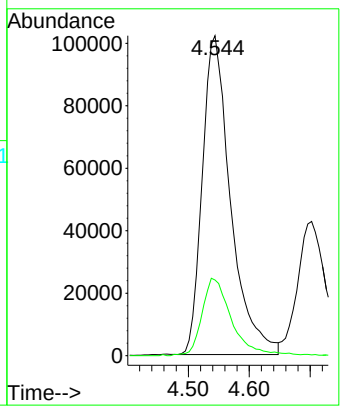
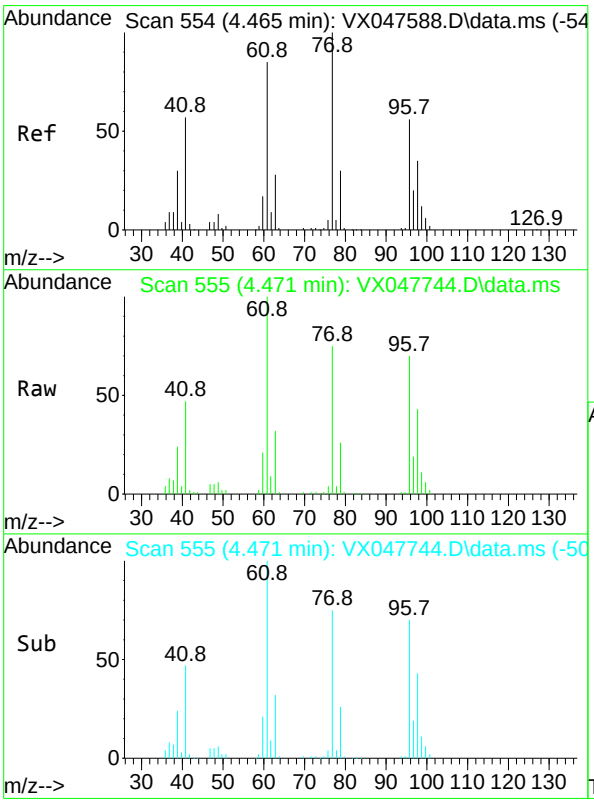
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

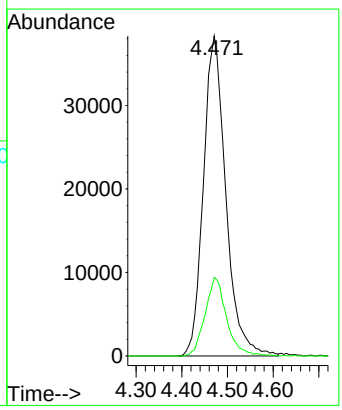


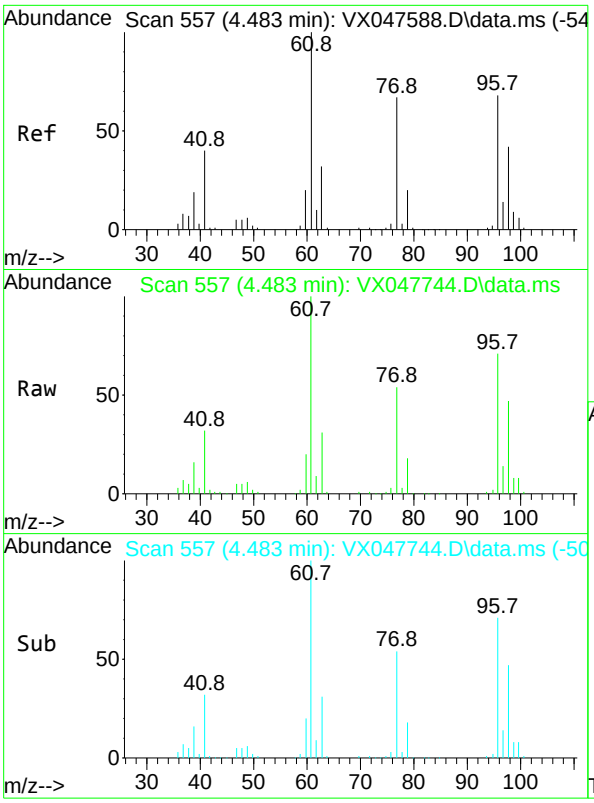




#26
2,2-Dichloropropane
Concen: 41.645 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 77 Resp: 130530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.5 | 10.9 | 32.7 |

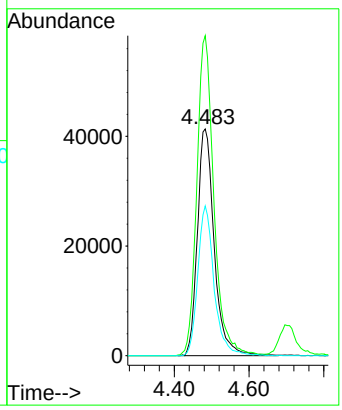





#27
cis-1,2-Dichloroethene
Concen: 55.058 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 96 Resp: 12877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.3 | 0.0 | 303.2 |
| 98 | 64.2 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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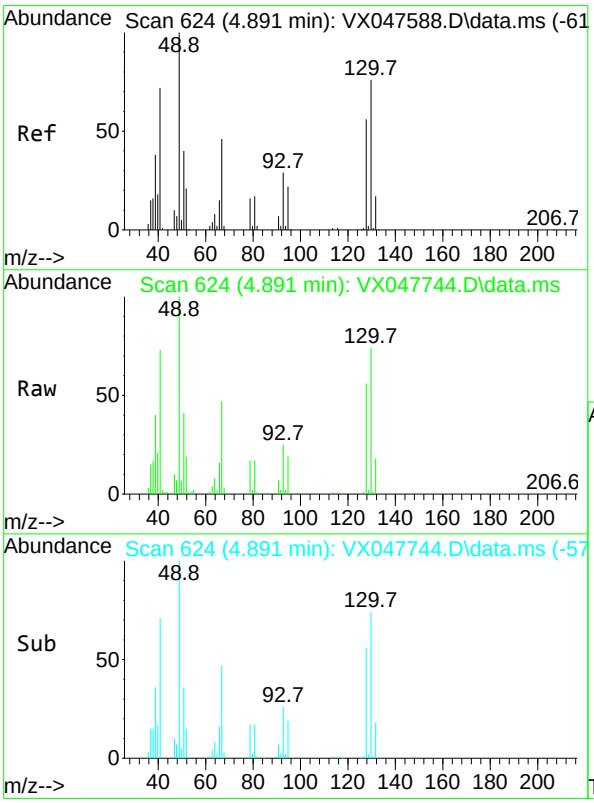
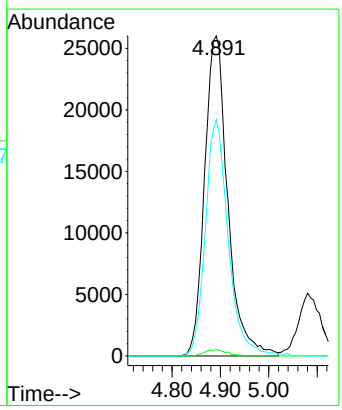
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

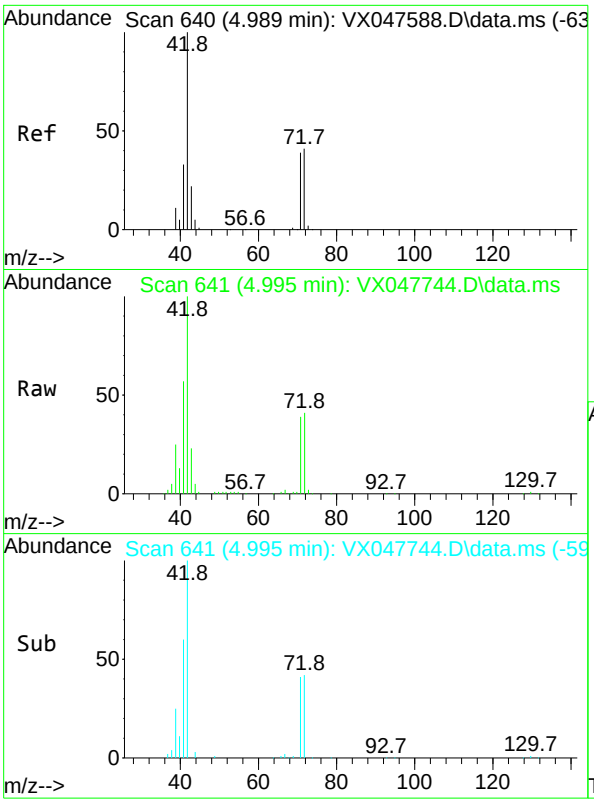



#28
Bromochloromethane
Concen: 52.489 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 49 Resp: 86403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 281.124 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 42 Resp: 21798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 34.2 | 51.2 |
| 71 | 39.0 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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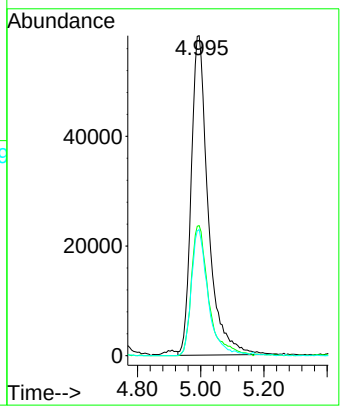
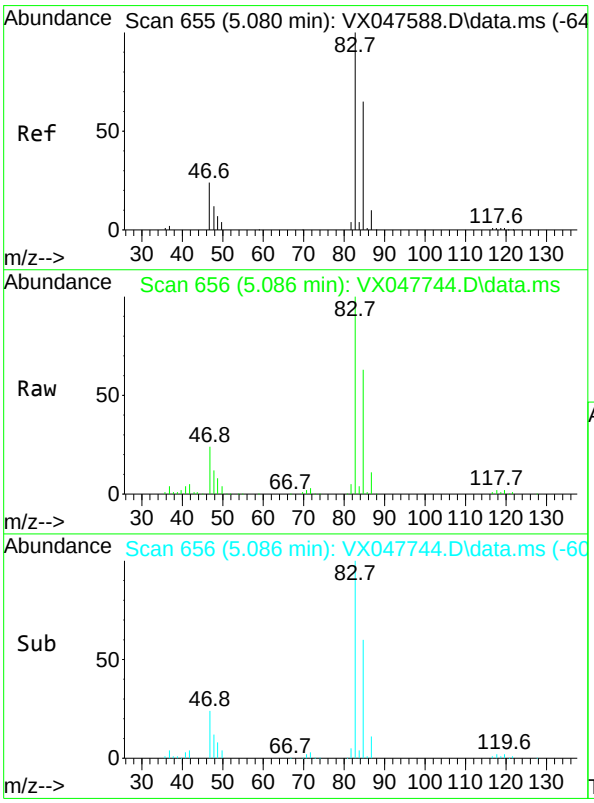
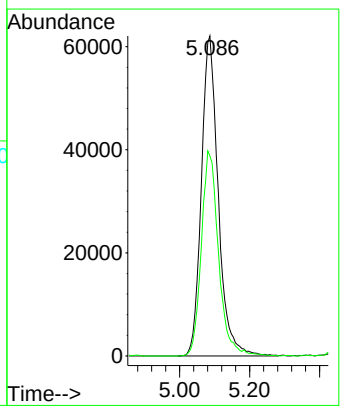


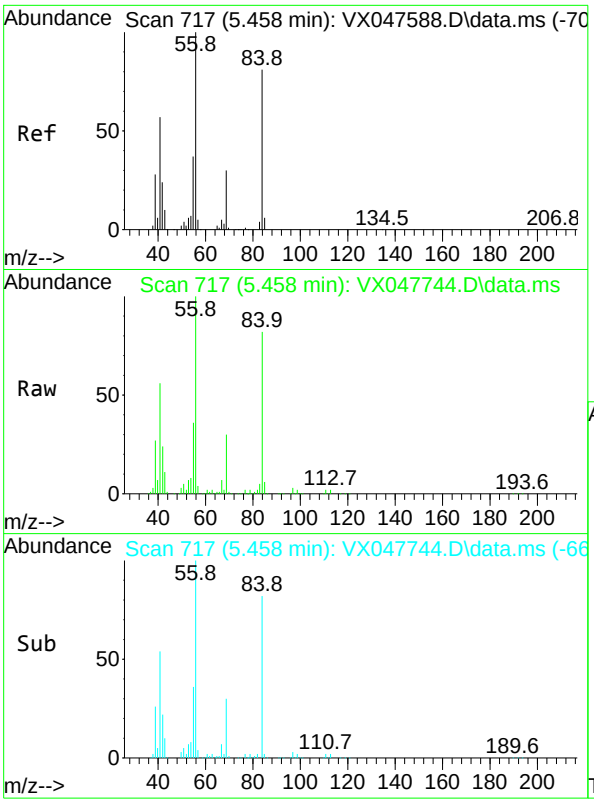




#30
Chloroform
Concen: 54.504 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 83 Resp: 207673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.8 | 77.6 |

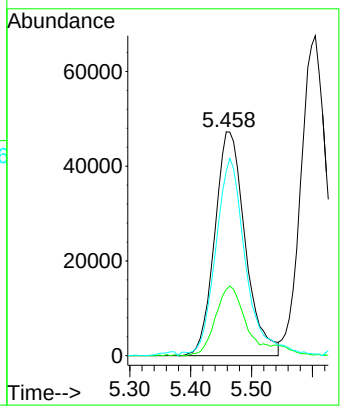





#31
Cyclohexane
Concen: 52.311 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 56 Resp: 16427

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.1 | 23.8 | 35.8 |
| 84 | 82.3 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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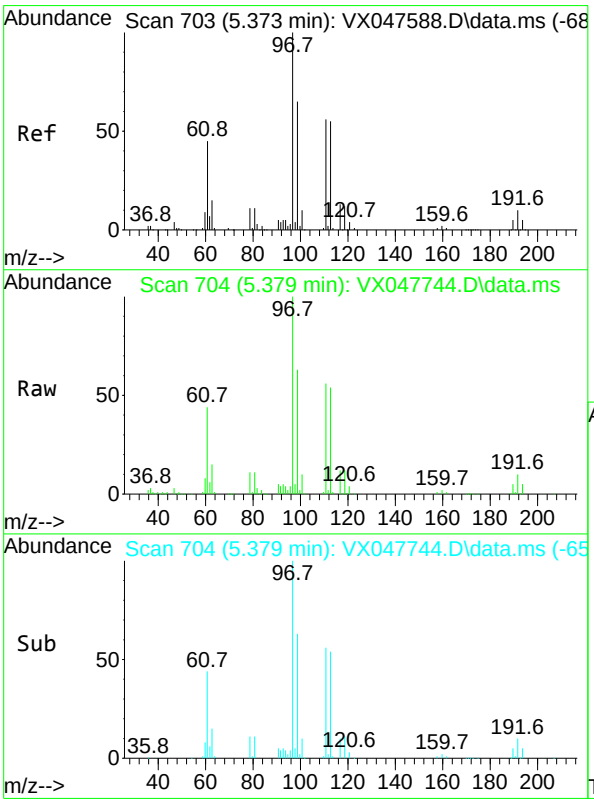
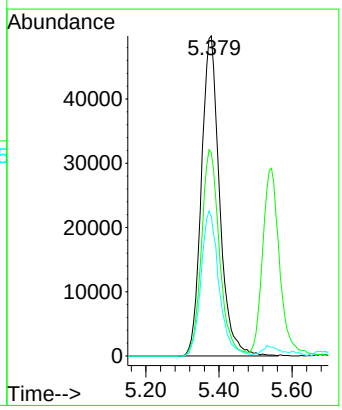
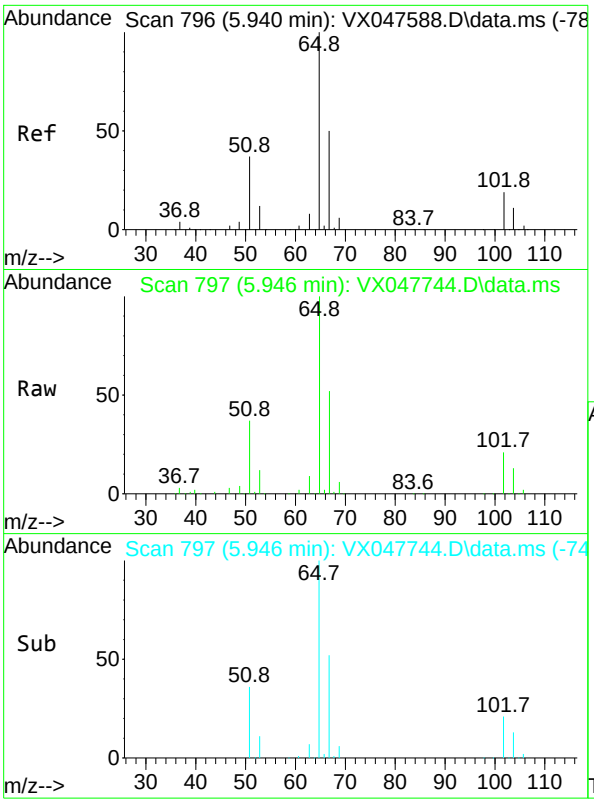



#32
1,1,1-Trichloroethane
Concen: 53.110 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 97 Resp: 171647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 50.6 | 76.0 |
| 61 | 45.0 | 35.8 | 53.8 |

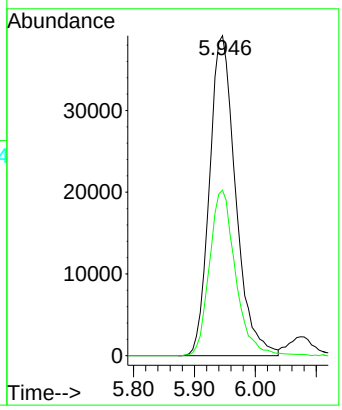





#33
1,2-Dichloroethane-d4
Concen: 49.065 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 65 Resp: 11660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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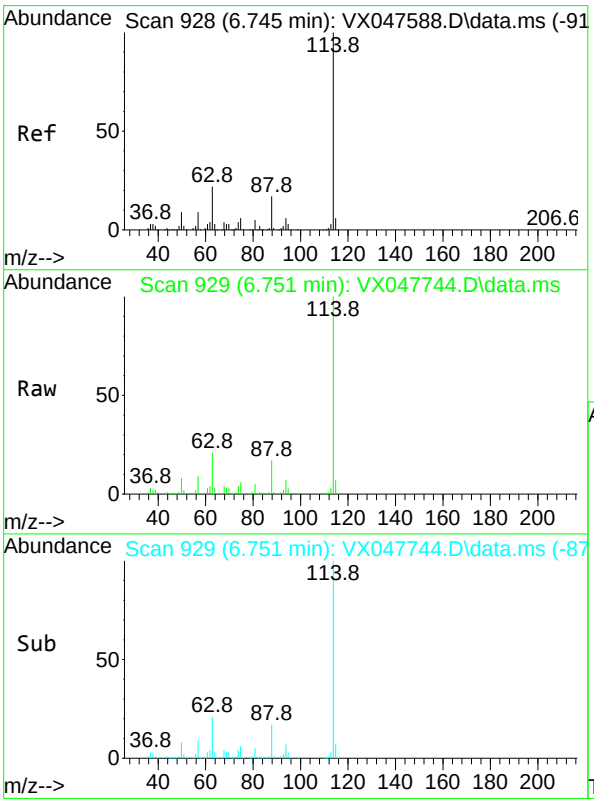
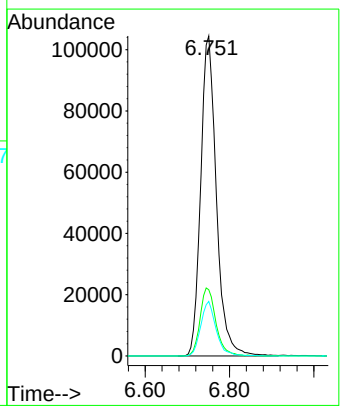
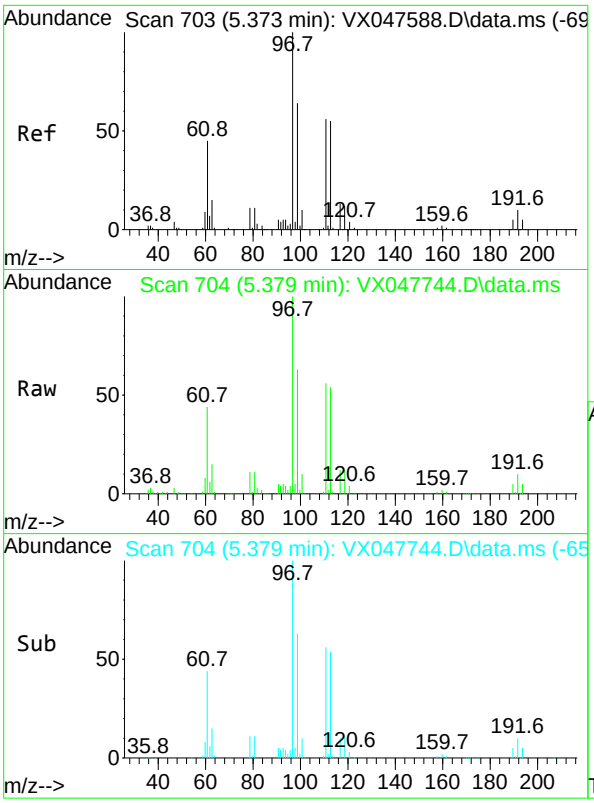



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:114 Resp: 270355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 17.1 | 0.0 | 34.2 |

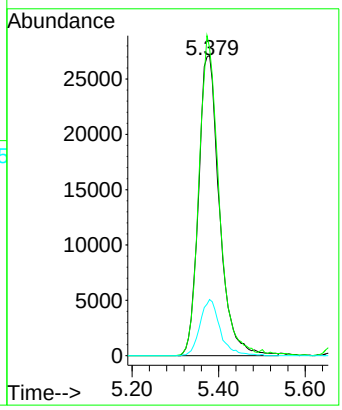





#35
Dibromofluoromethane
Concen: 50.112 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:113 Resp: 9086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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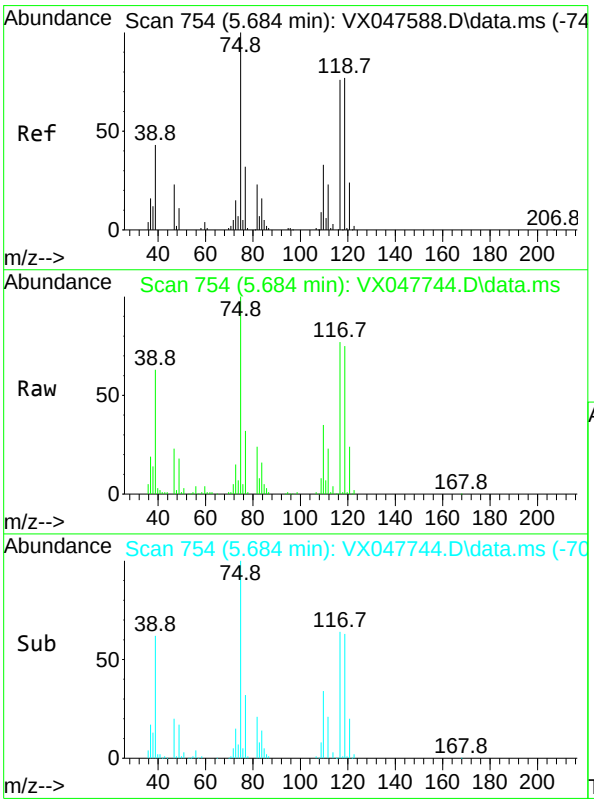
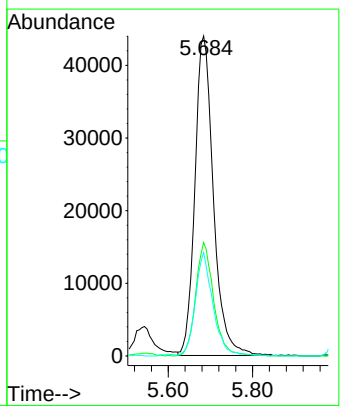
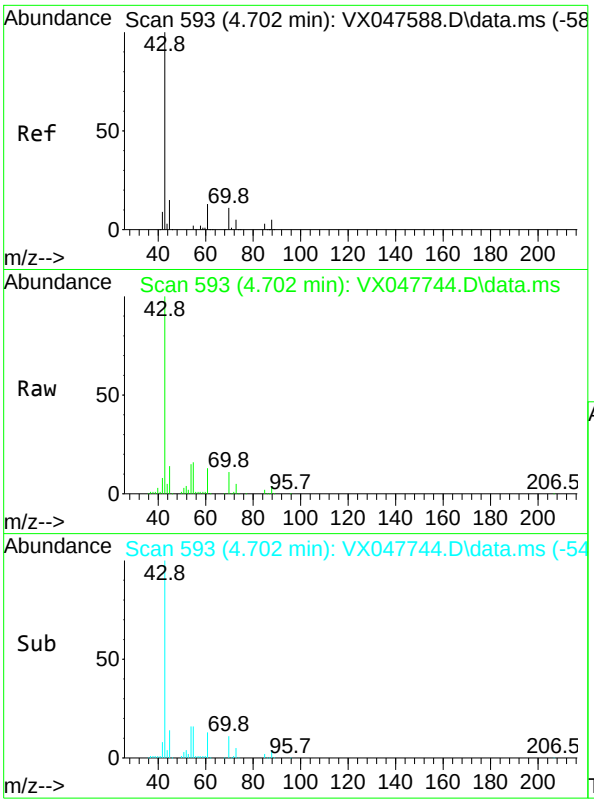



#36
1,1-Dichloropropene
Concen: 50.792 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 134570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 30.3 | 24.3 | 36.5 |

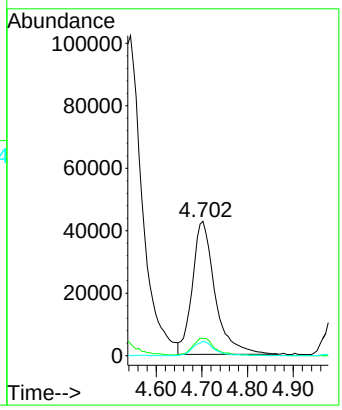





#37
Ethyl Acetate
Concen: 51.600 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 14638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.7 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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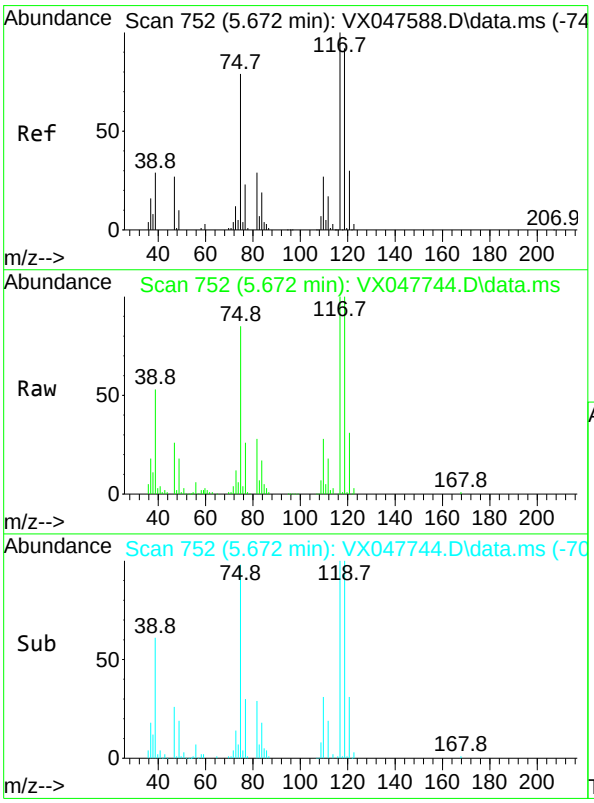
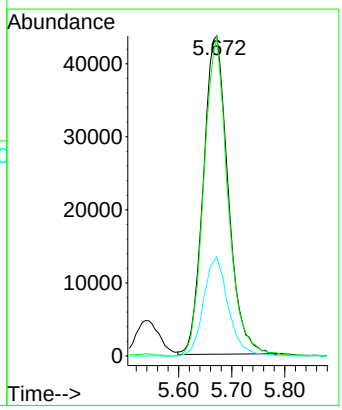
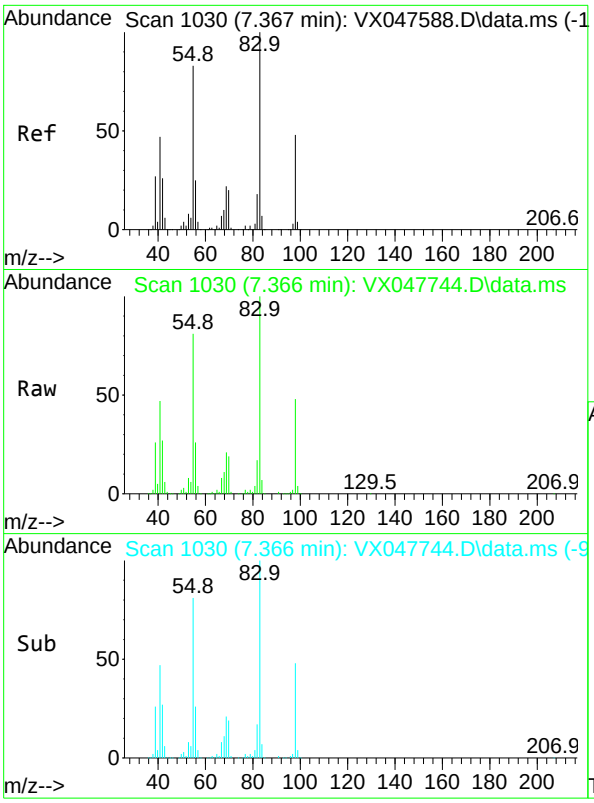



#38
Carbon Tetrachloride
Concen: 49.026 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:117 Resp: 141128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.0 | 73.4 | 110.2 |
| 121 | 31.2 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 51.142 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 83 Resp: 15380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 66.4 | 99.6 |
| 98 | 47.7 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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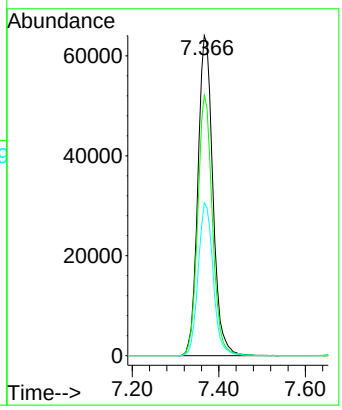
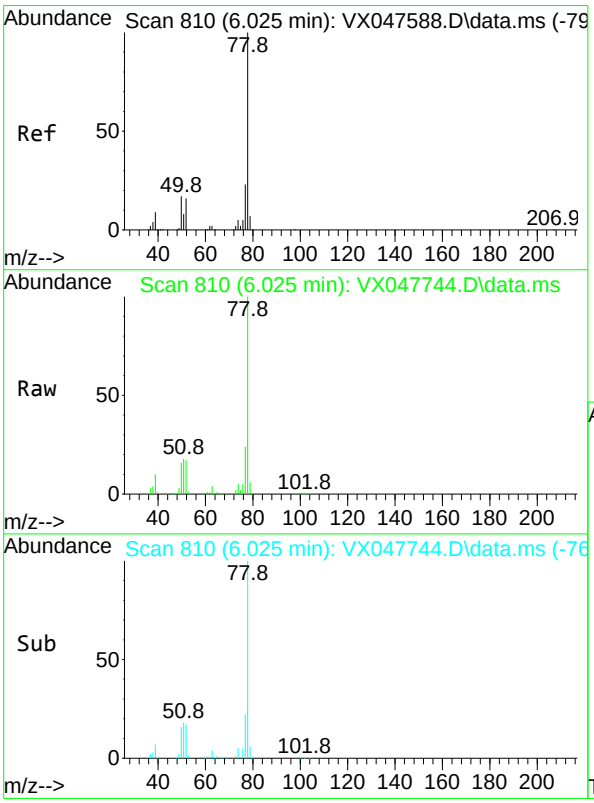
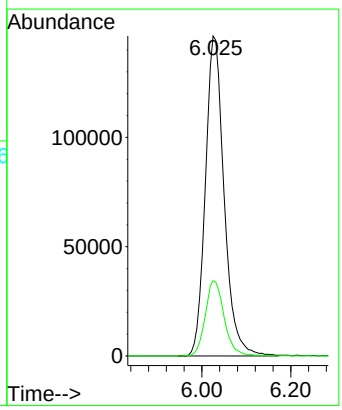


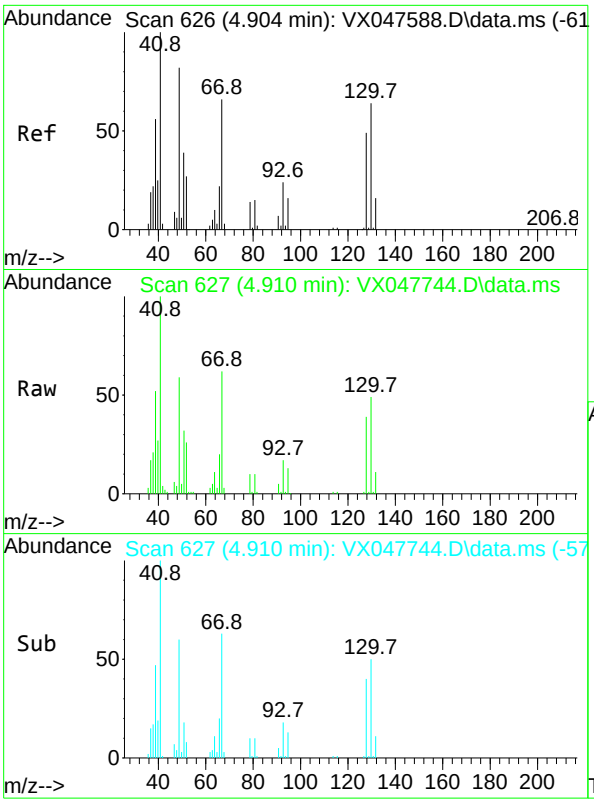




#40
Benzene
Concen: 53.282 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 78 Resp: 428760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

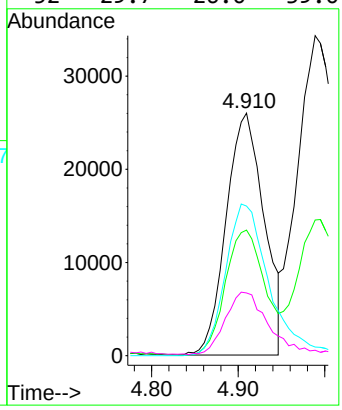





#41
Methacrylonitrile
Concen: 54.104 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 41 Resp: 7923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 43.3 | 64.9 |
| 67 | 71.6 | 58.6 | 87.8 |
| 52 | 29.7 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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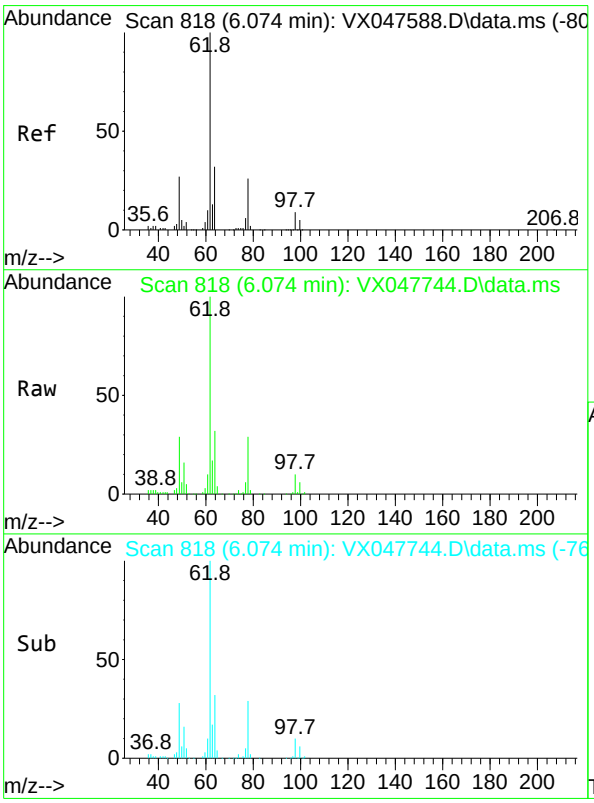
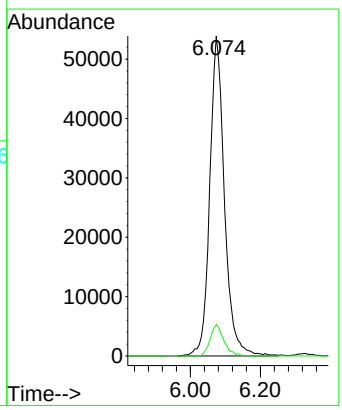
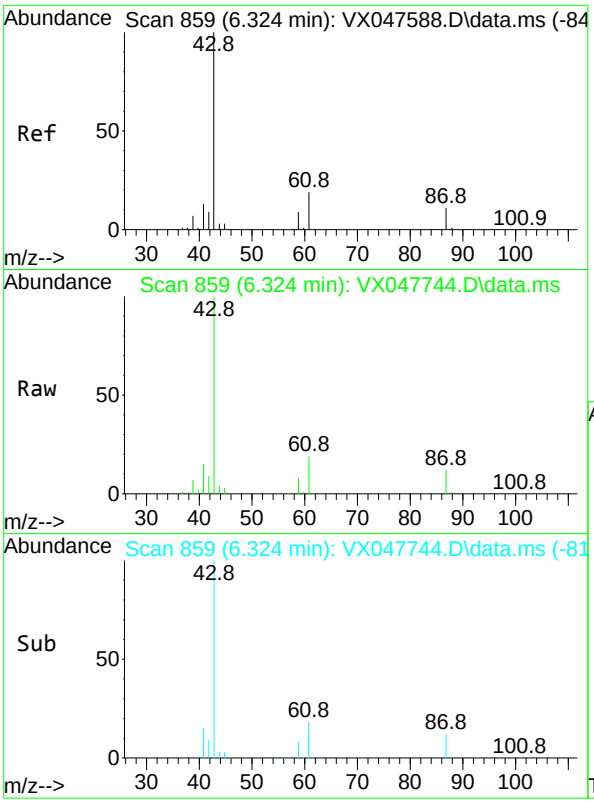



#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 62 Resp: 157471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.0 |

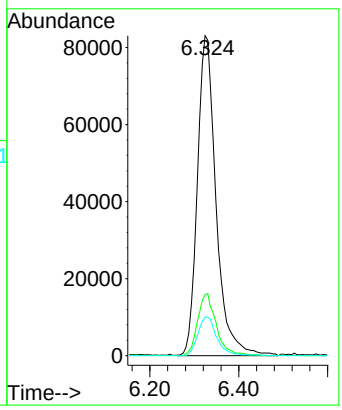





#43
Isopropyl Acetate
Concen: 52.327 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 24345

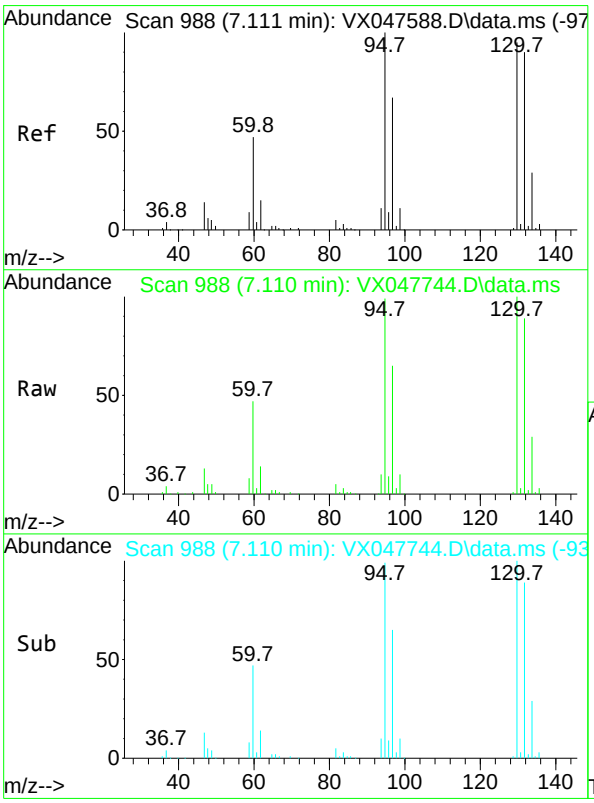
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.2 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

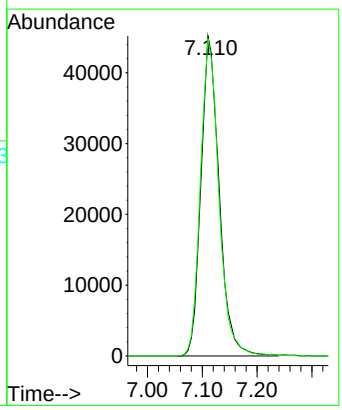
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

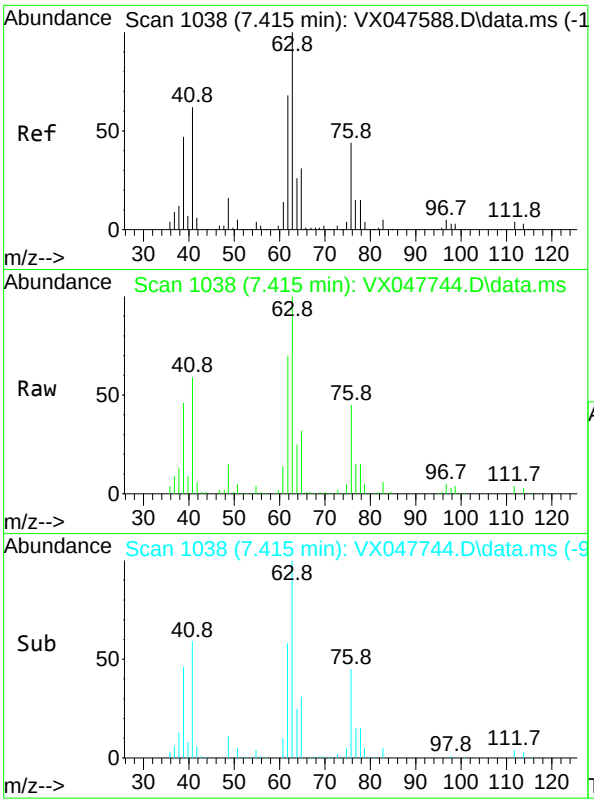



#44
Trichloroethene
Concen: 53.576 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:130 Resp: 104230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.1 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 53.818 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

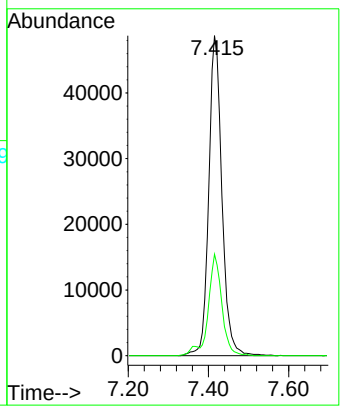
Tgt Ion: 63 Resp: 11089

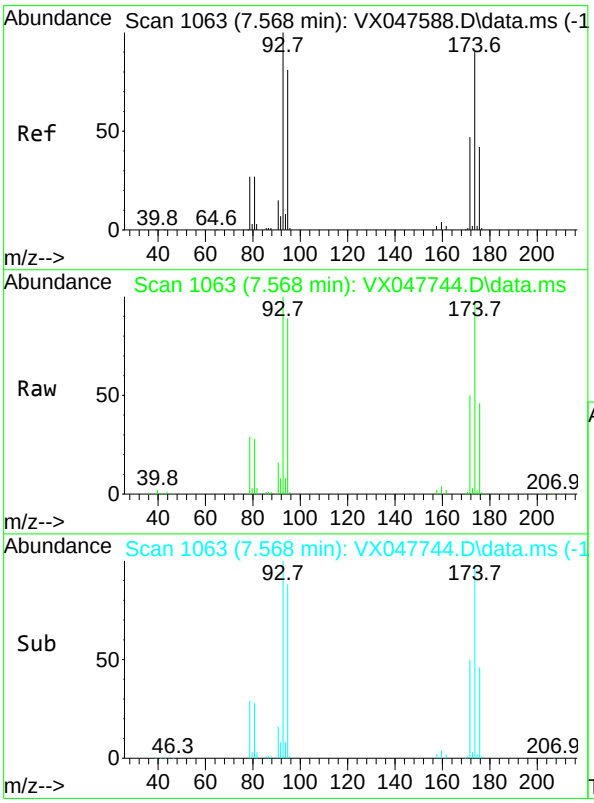
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

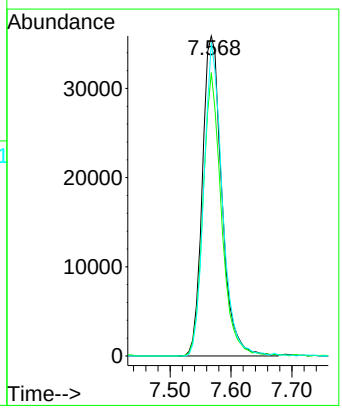


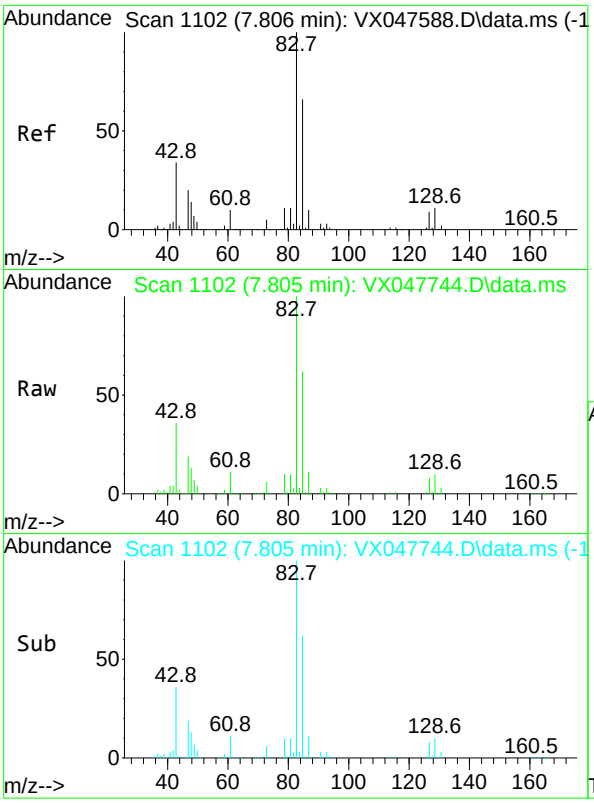




#46
Dibromomethane
Concen: 53.104 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 93 Resp: 79627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.6 | 65.0 | 97.6 |
| 174 | 92.5 | 71.6 | 107.4 |

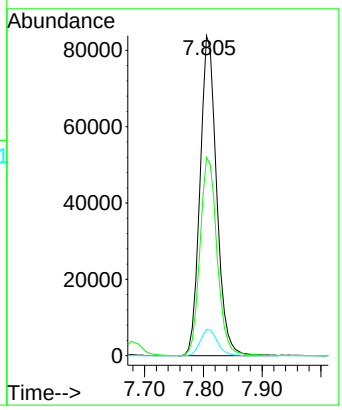





#47
Bromodichloromethane
Concen: 53.077 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 83 Resp: 16423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.8 | 52.5 | 78.7 |
| 127 | 8.1 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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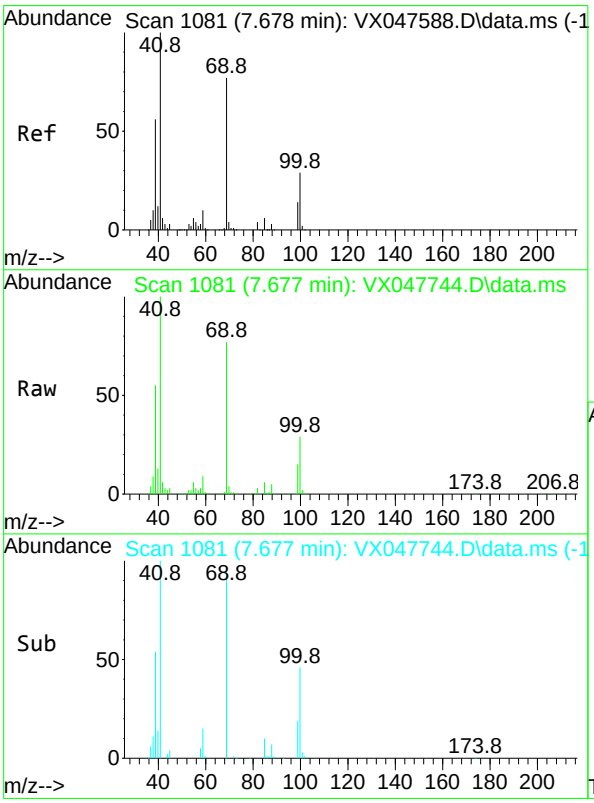
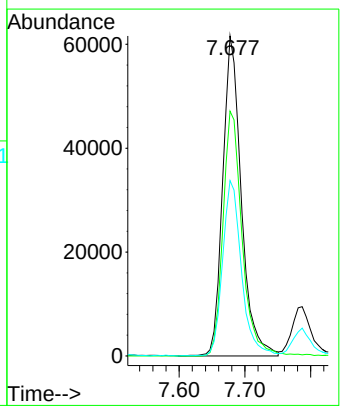
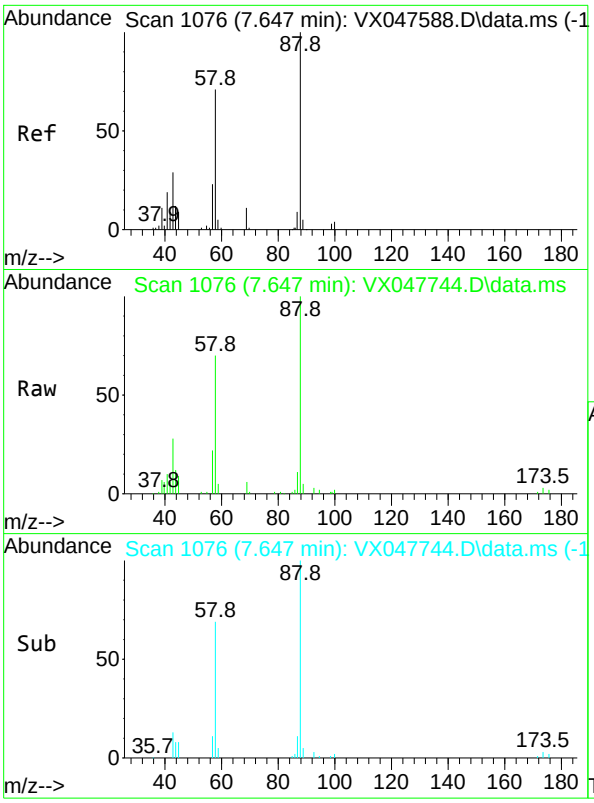



#48
Methyl methacrylate
Concen: 52.283 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 41 Resp: 121164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 61.4 | 92.2 |
| 39 | 55.7 | 45.8 | 68.6 |






#49
1,4-Dioxane
Concen: 1196.046 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 88 Resp: 2801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 30.2 | 45.2 |
| 58 | 74.0 | 59.5 | 89.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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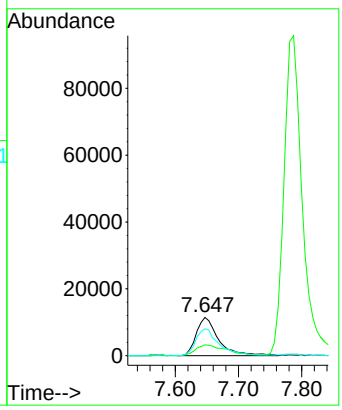
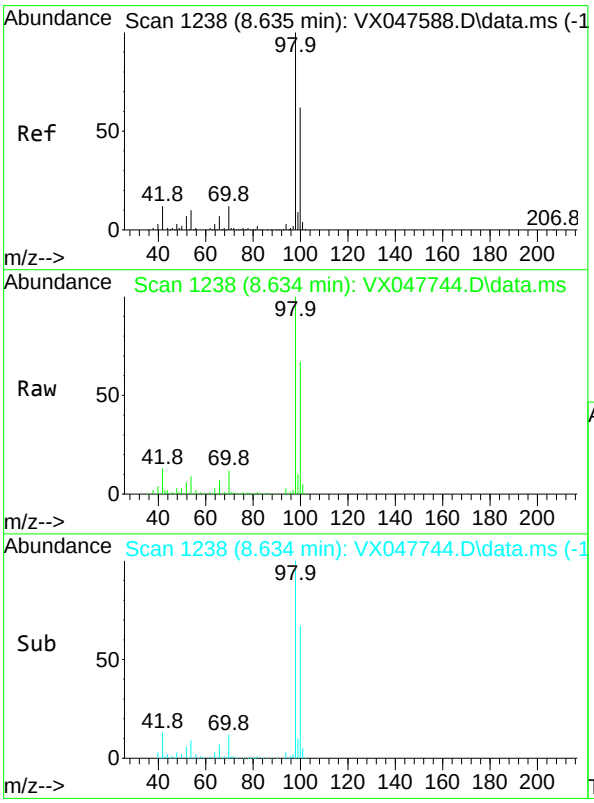
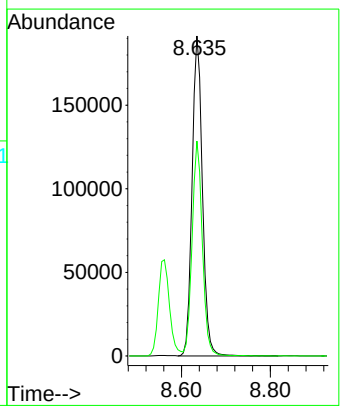


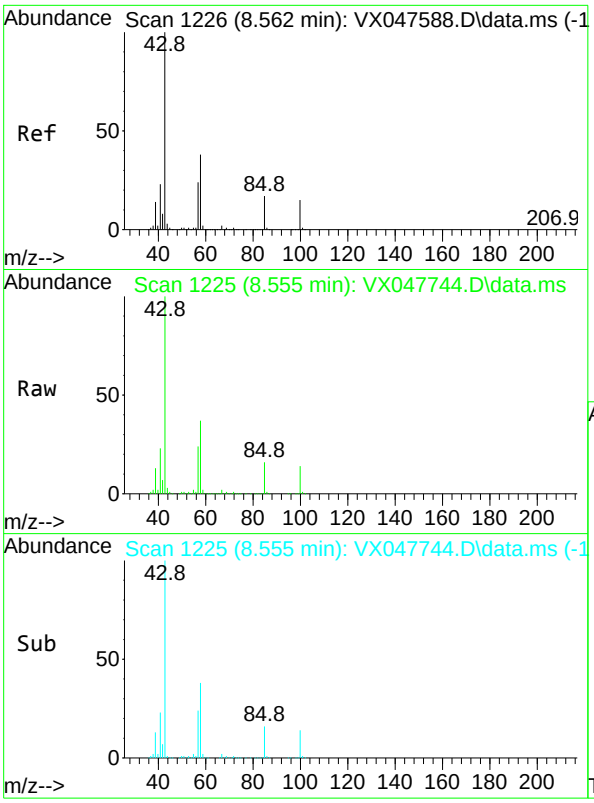




#50
Toluene-d8
Concen: 49.087 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 98 Resp: 307967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

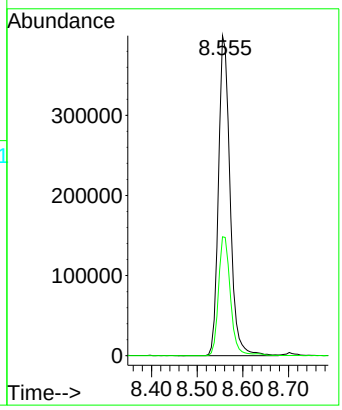





#51
4-Methyl-2-Pentanone
Concen: 272.809 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 70372

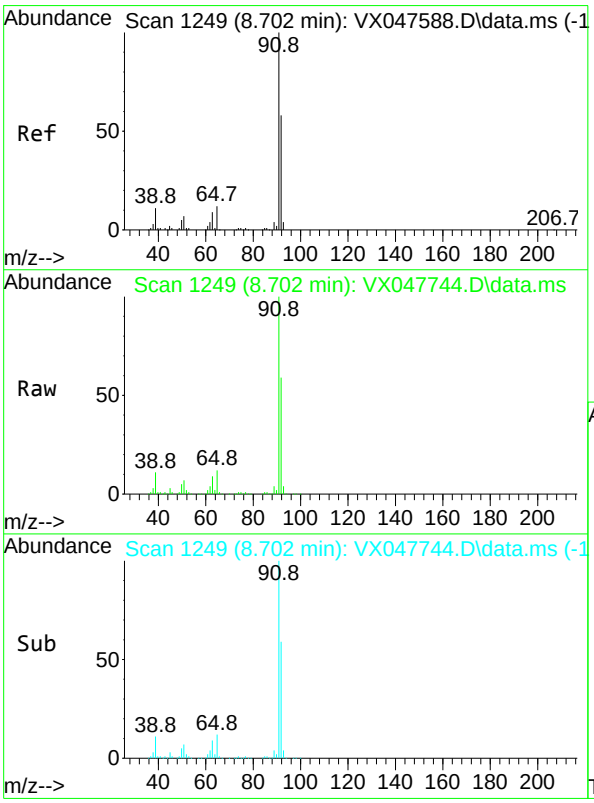
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

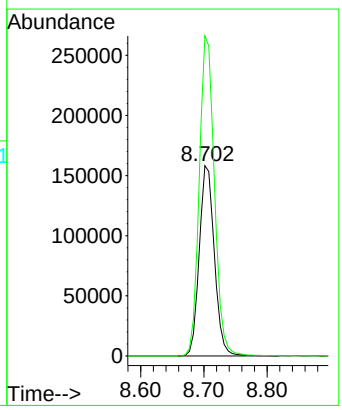
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

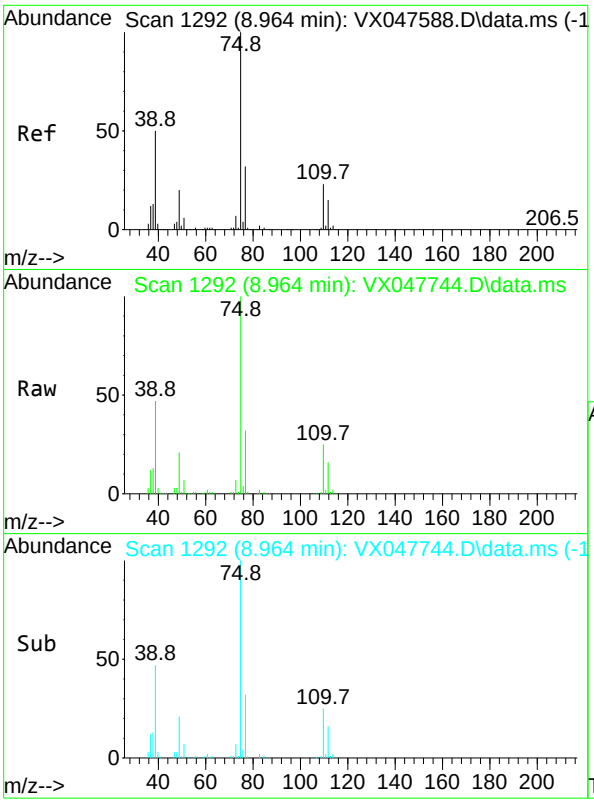



#52
Toluene
Concen: 53.113 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 92 Resp: 263320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 137.1 | 205.7 |

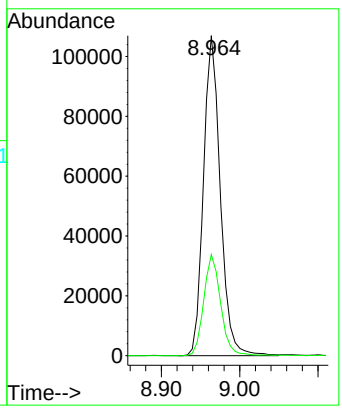





#53
t-1,3-Dichloropropene
Concen: 50.499 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 15938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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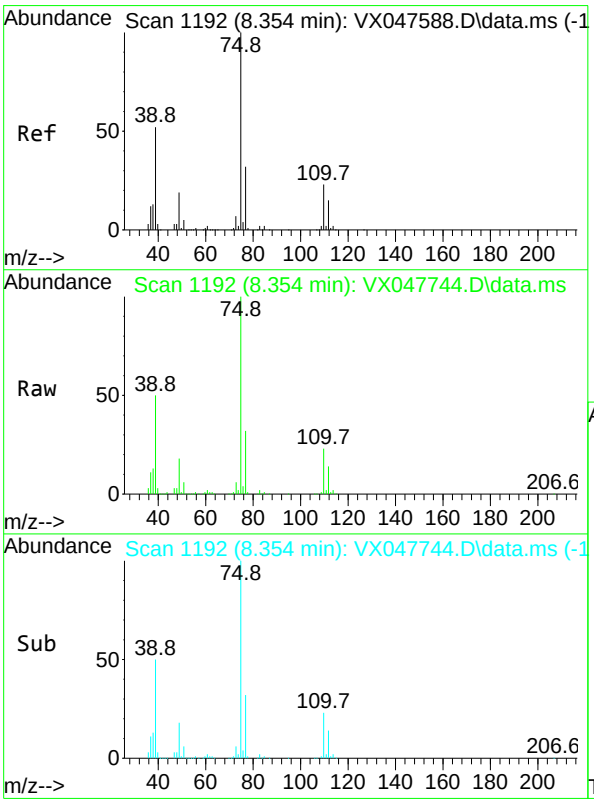
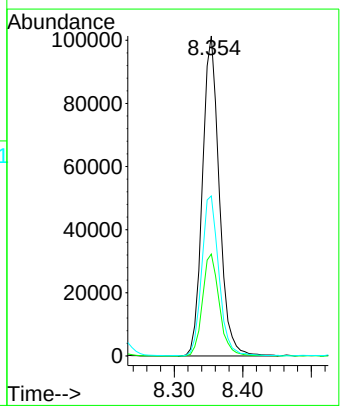
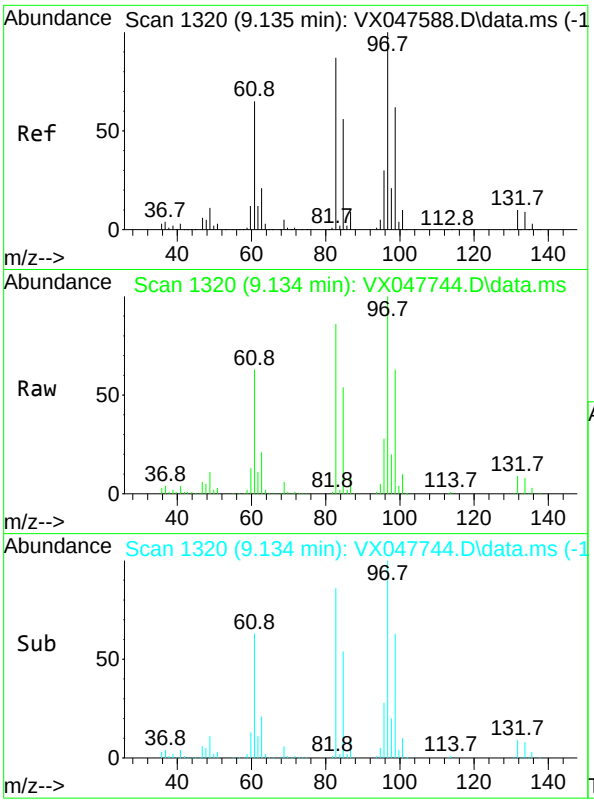



#54
cis-1,3-Dichloropropene
Concen: 51.421 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 173466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.8 | 38.6 |
| 39 | 49.8 | 41.4 | 62.2 |

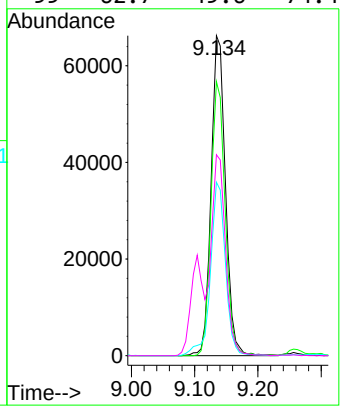





#55
1,1,2-Trichloroethane
Concen: 54.692 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 97 Resp: 10455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.6 | 104.4 |
| 85 | 54.2 | 45.0 | 67.6 |
| 99 | 62.7 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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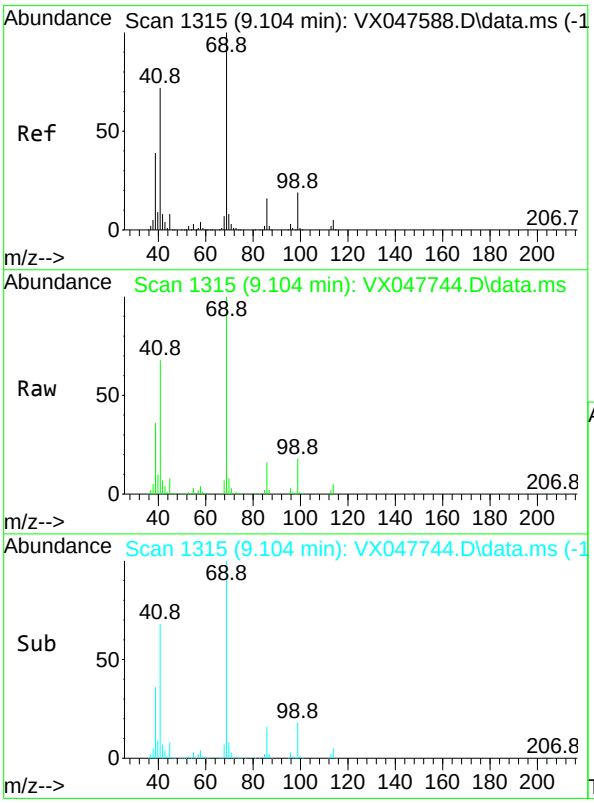
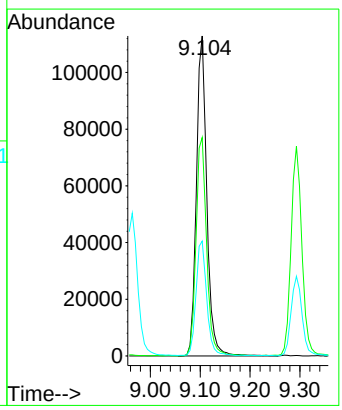
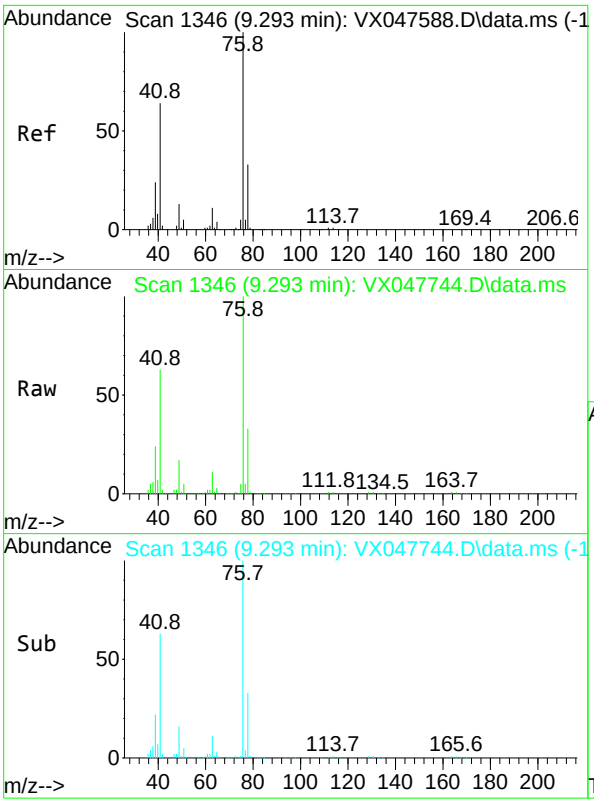



#56
Ethyl methacrylate
Concen: 54.448 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 69 Resp: 163467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 58.6 | 87.8 |
| 39 | 36.6 | 31.5 | 47.3 |

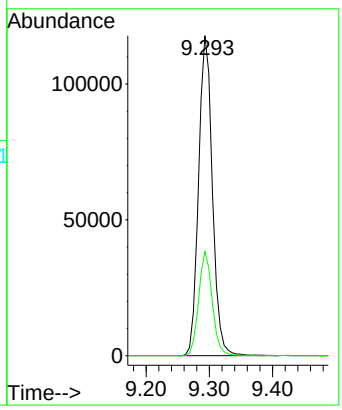





#57
1,3-Dichloropropane
Concen: 54.560 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 76 Resp: 17917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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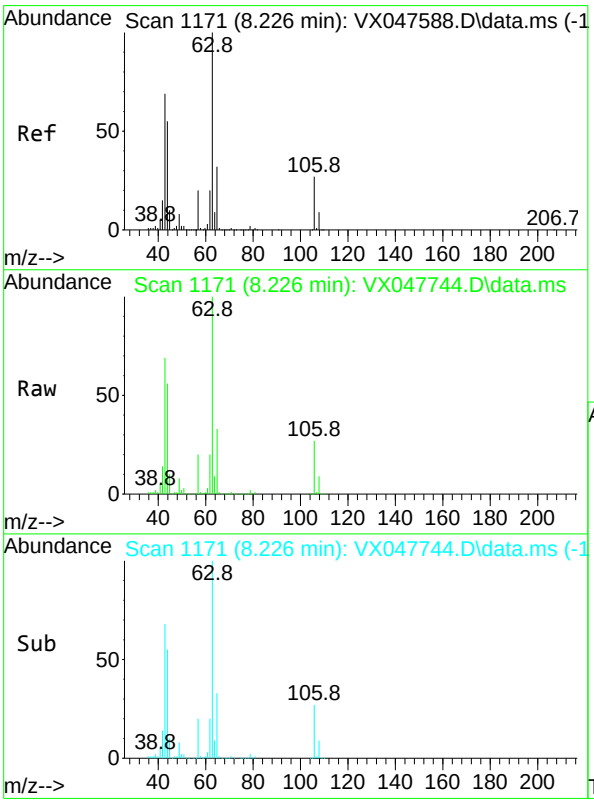
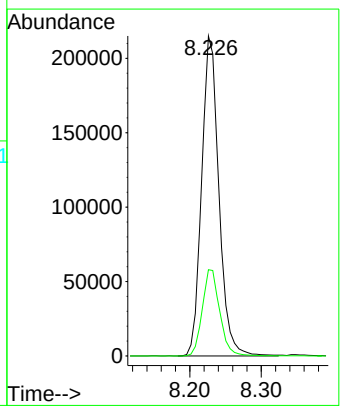
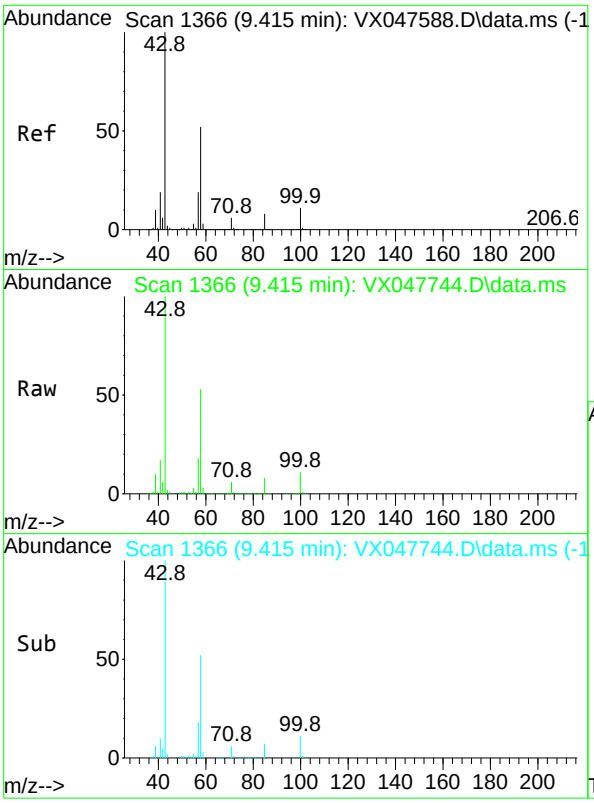



#58
2-Chloroethyl Vinyl ether
Concen: 251.172 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 63 Resp: 360369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 260.895 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

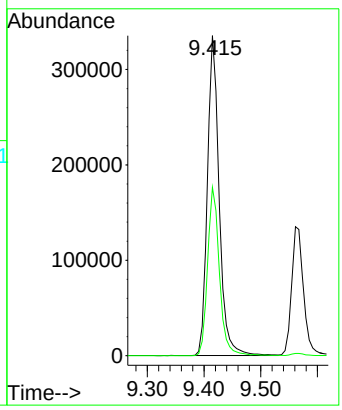
Tgt Ion: 43 Resp: 48334

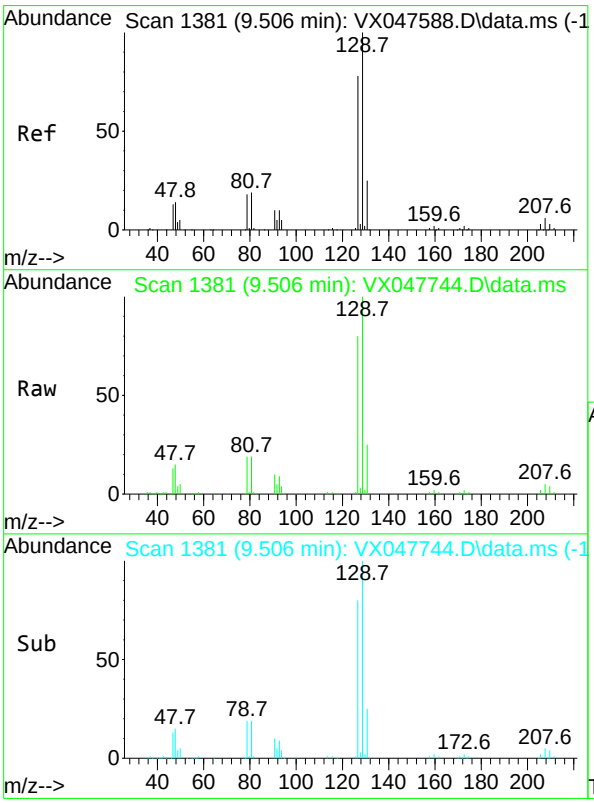
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

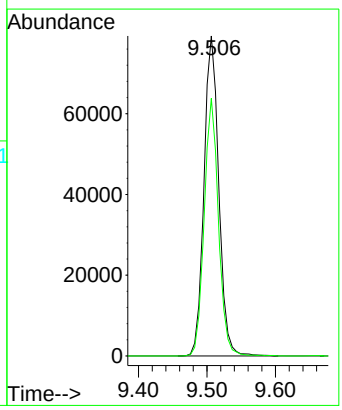


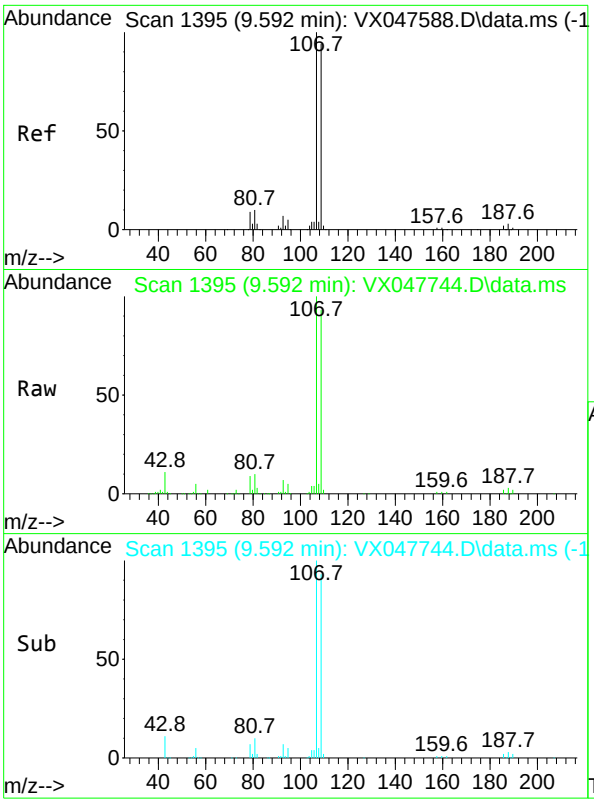




#60
Dibromochloromethane
Concen: 54.078 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:129 Resp: 119117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 54.937 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

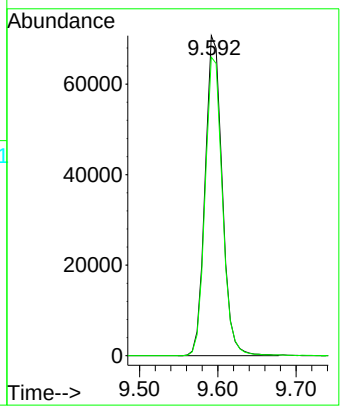
Tgt Ion:107 Resp: 10697

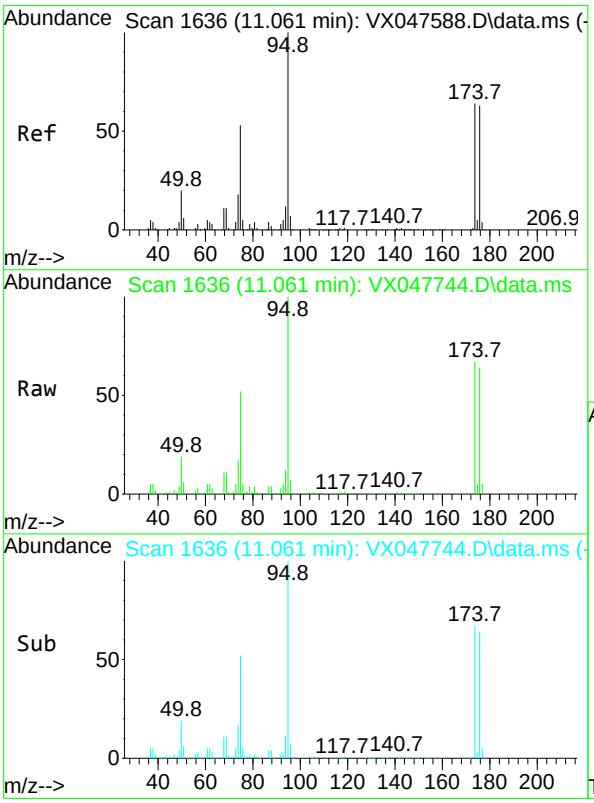
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.3 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

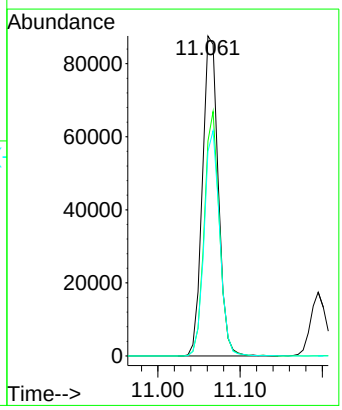


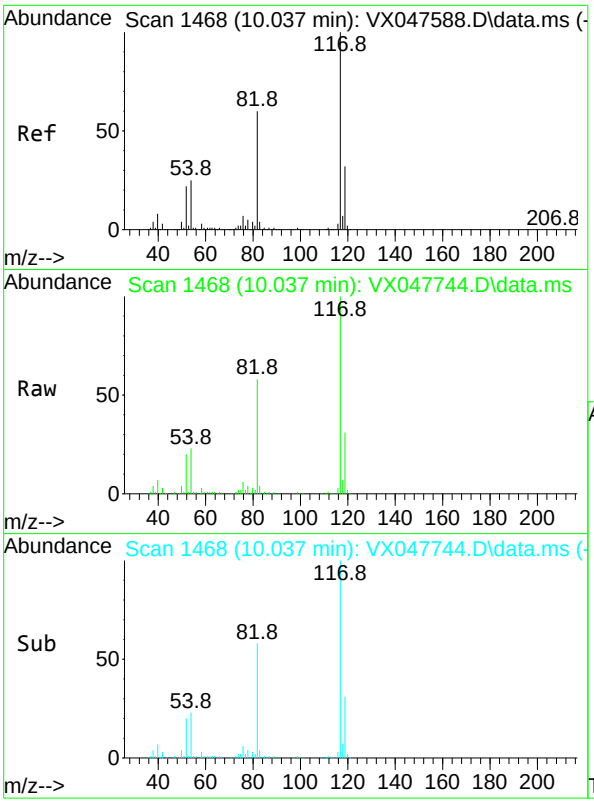




#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 95 Resp: 117402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 141.6 |
| 176 | 69.0 | 0.0 | 138.4 |

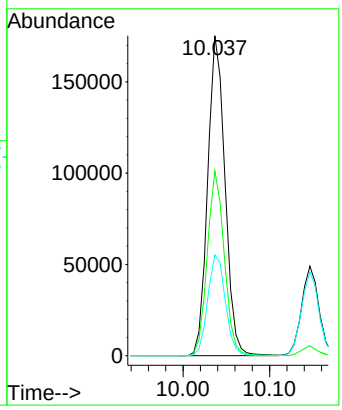





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:117 Resp: 24330

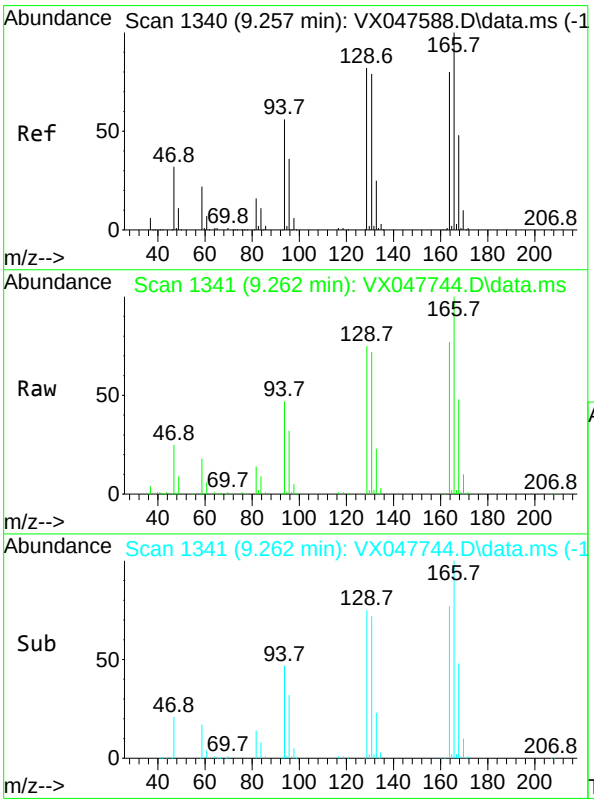
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

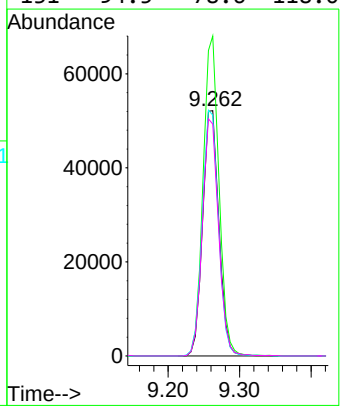
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

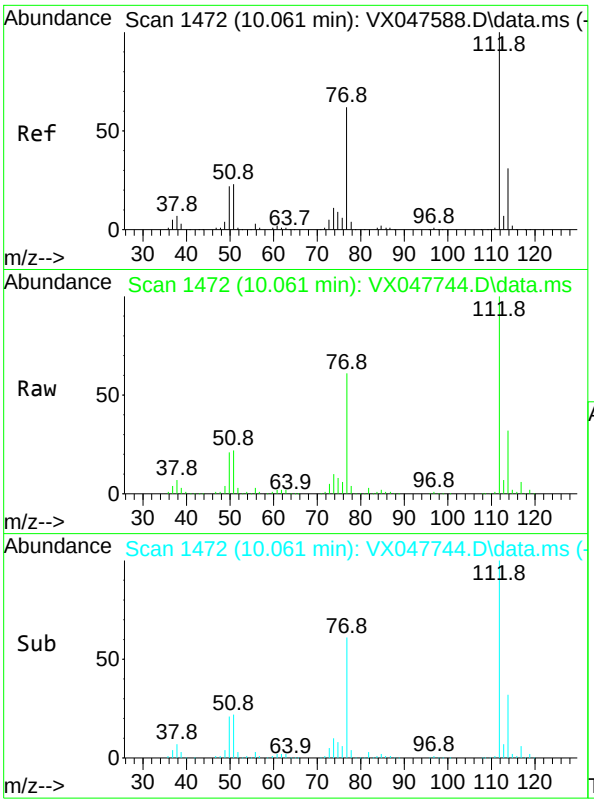



#64
Tetrachloroethene
Concen: 51.765 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:164 Resp: 82104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.4 | 100.2 | 150.2 |
| 129 | 98.1 | 81.8 | 122.6 |
| 131 | 94.5 | 78.6 | 118.0 |

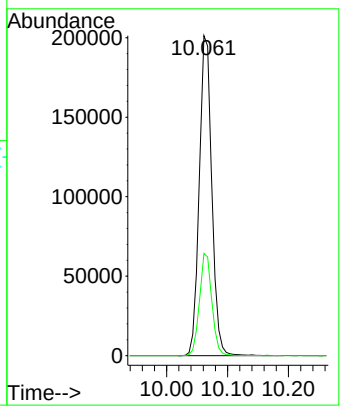





#65
Chlorobenzene
Concen: 52.159 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:112 Resp: 28830

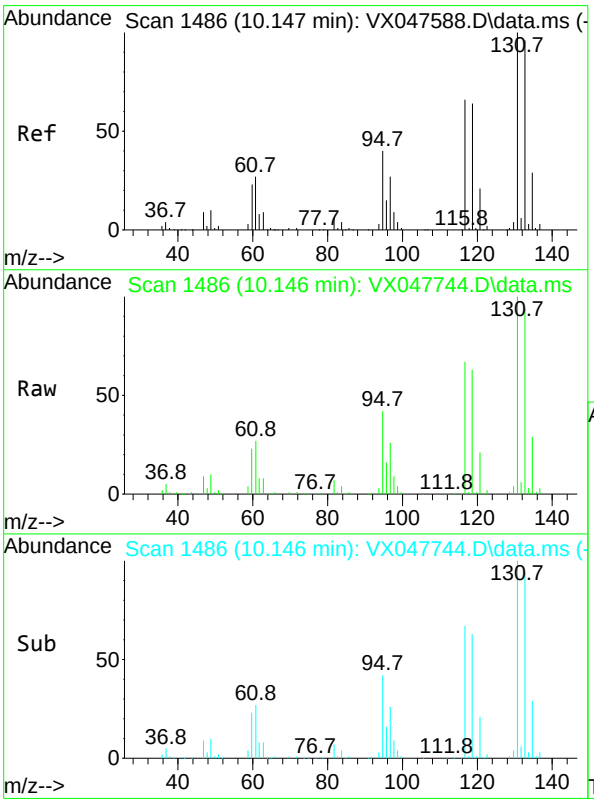
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

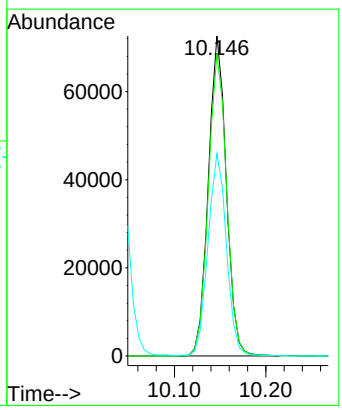
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

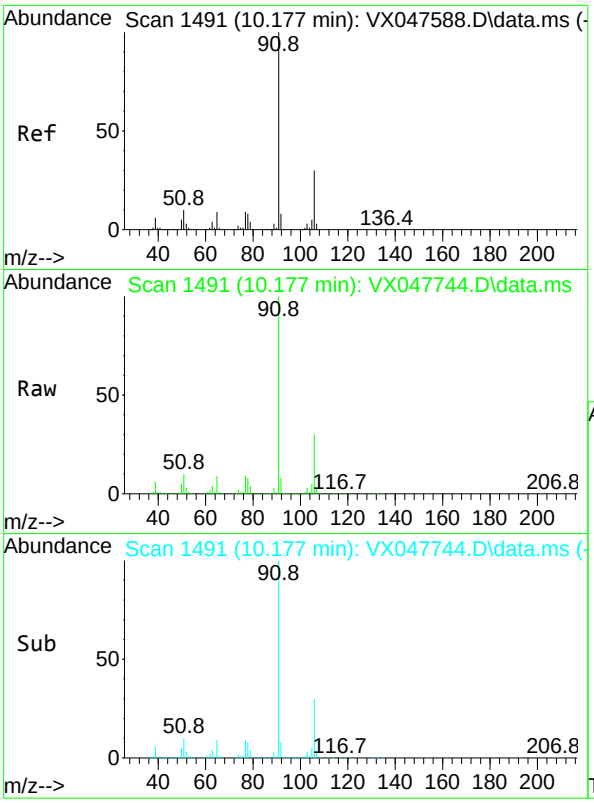



#66
1,1,1,2-Tetrachloroethane
Concen: 51.810 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:131 Resp: 98820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 142.0 |
| 119 | 65.2 | 32.0 | 96.0 |

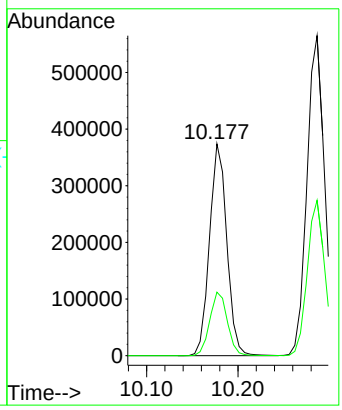





#67
Ethyl Benzene
Concen: 51.527 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 49142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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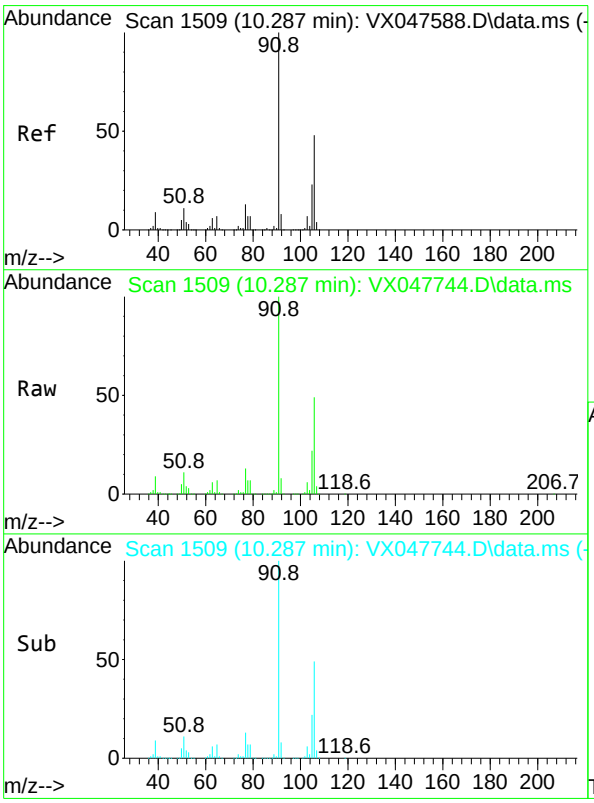
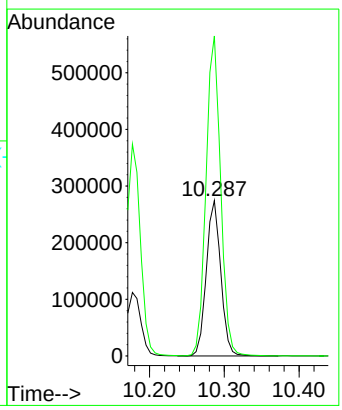
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

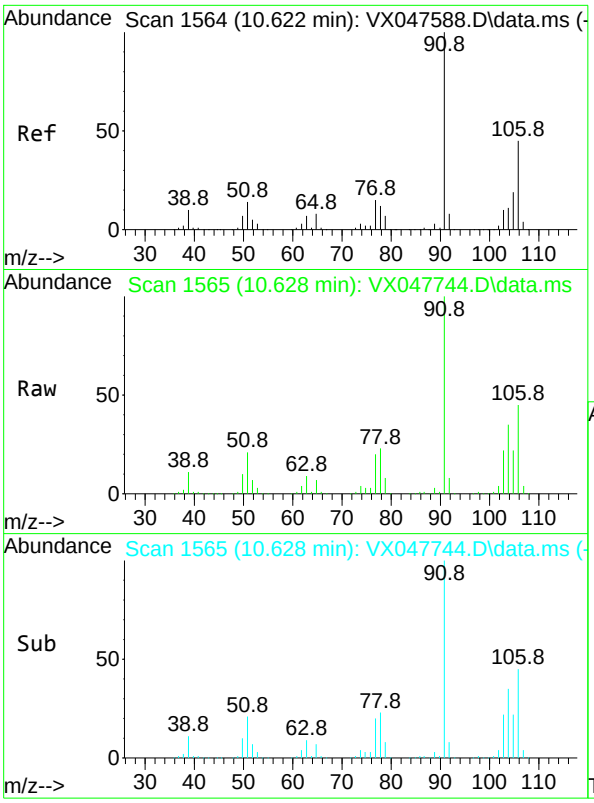



#68
m/p-Xylenes
Concen: 103.518 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:106 Resp: 367469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 167.8 | 251.8 |

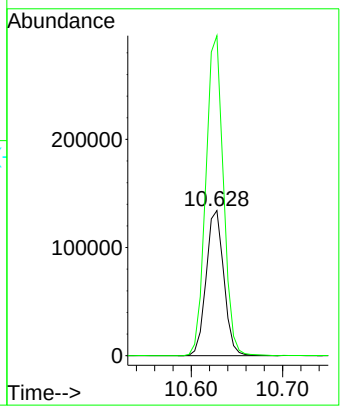





#69
o-Xylene
Concen: 52.511 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:106 Resp: 18029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.4 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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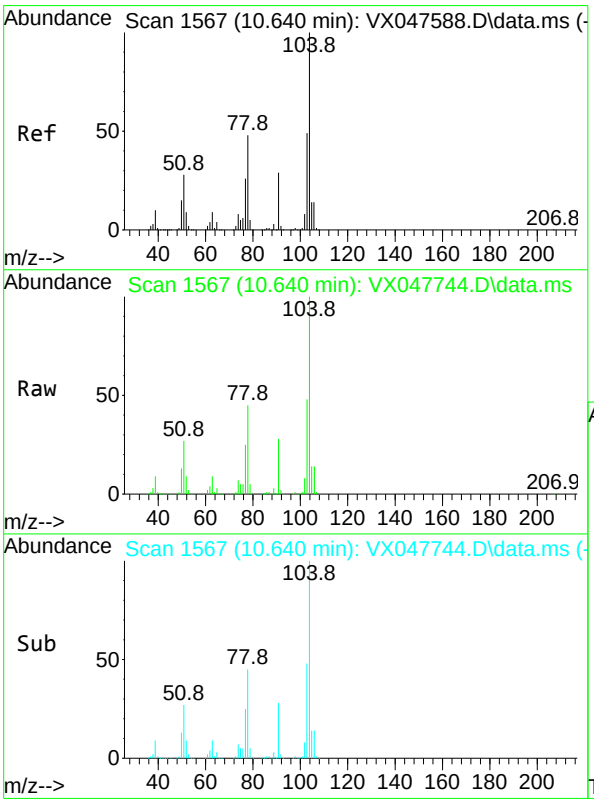
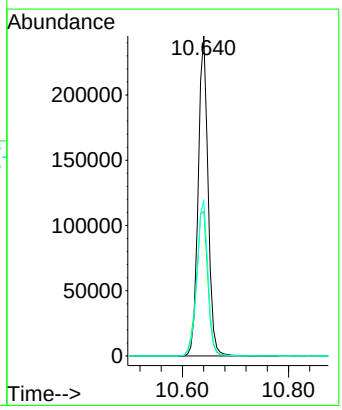
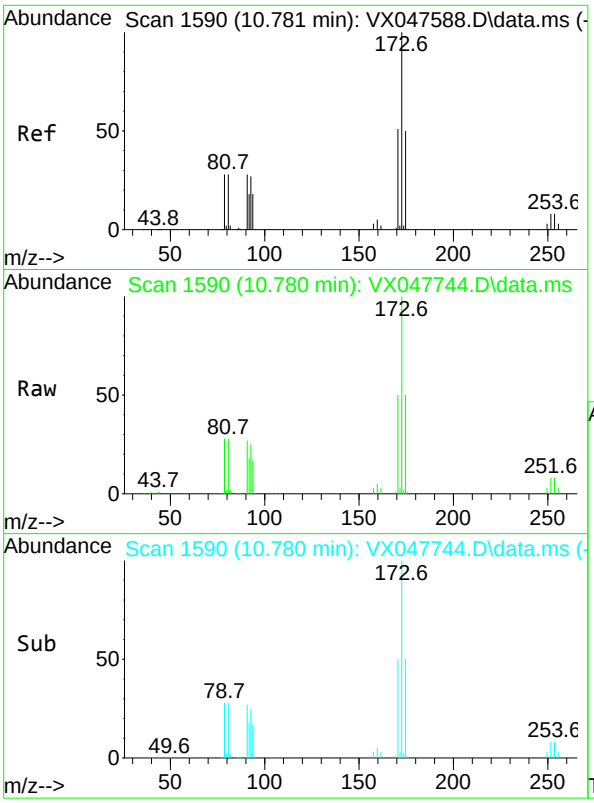



#70
Styrene
Concen: 52.779 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:104 Resp: 317529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 43.1 | 64.7 |
| 103 | 53.6 | 43.1 | 64.7 |

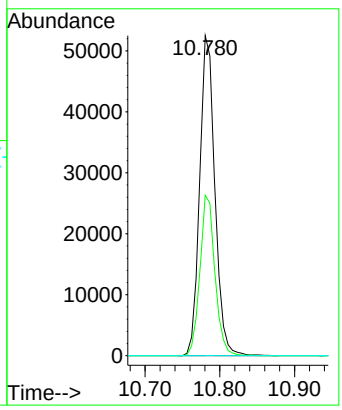





#71
Bromoform
Concen: 52.097 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:173 Resp: 7419

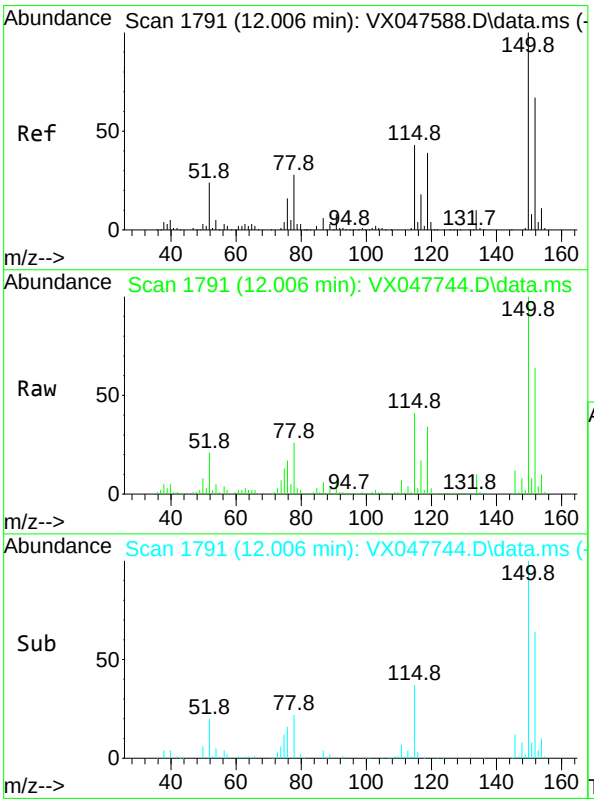
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

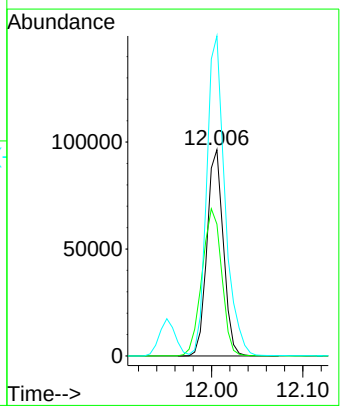
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

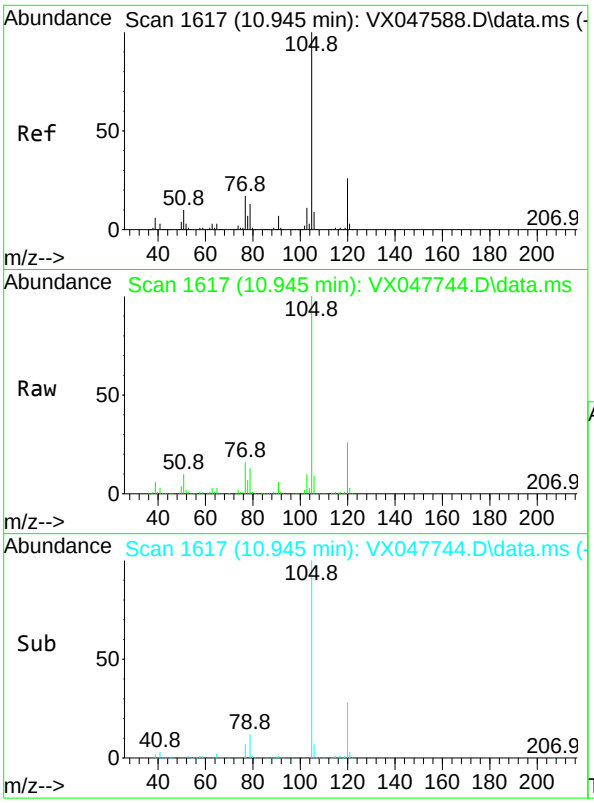



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:152 Resp: 119961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 44.9 | 134.5 |
| 150 | 173.4 | 0.0 | 352.0 |

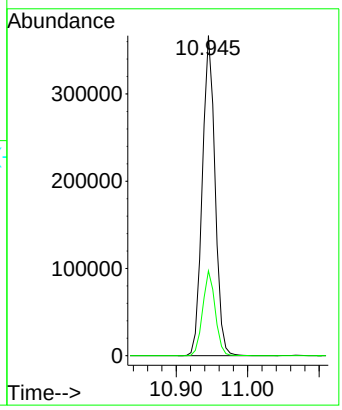





#73
Isopropylbenzene
Concen: 49.722 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 45347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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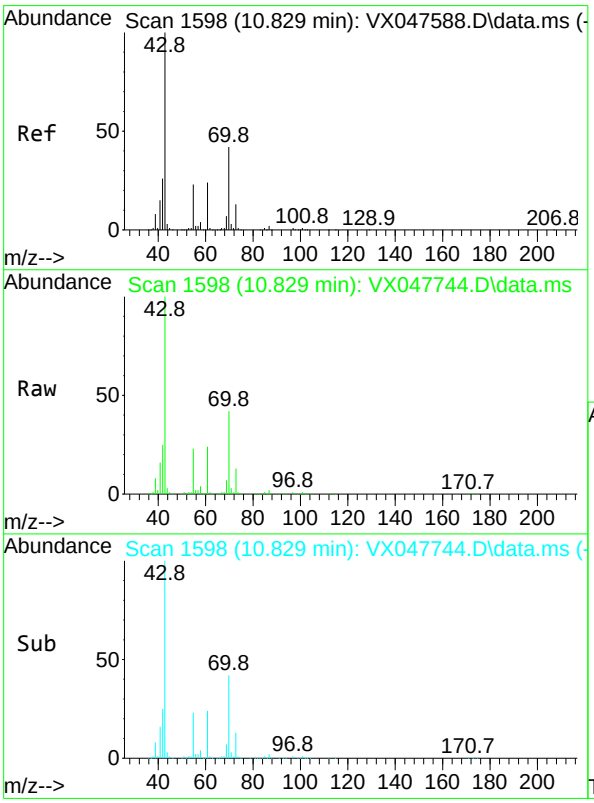
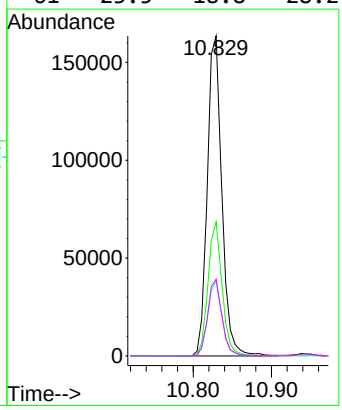
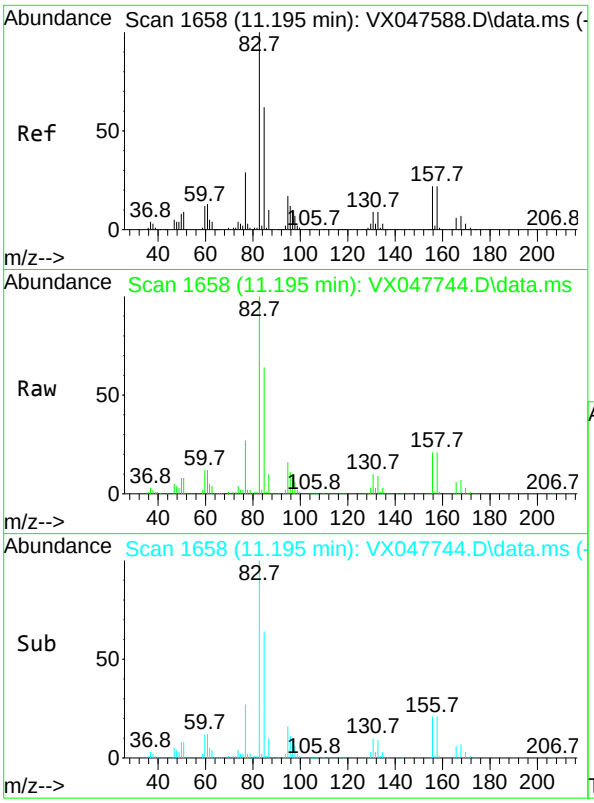



#74
N-amyl acetate
Concen: 50.685 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 210798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 32.0 | 48.0 |
| 55 | 23.3 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |

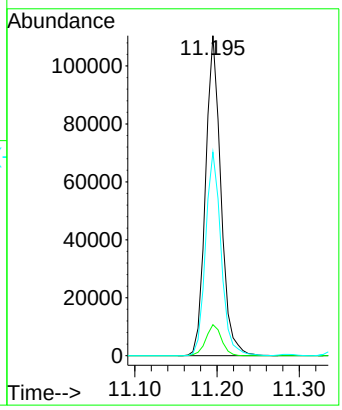





#75
1,1,2,2-Tetrachloroethane
Concen: 51.892 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 83 Resp: 14318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 64.3 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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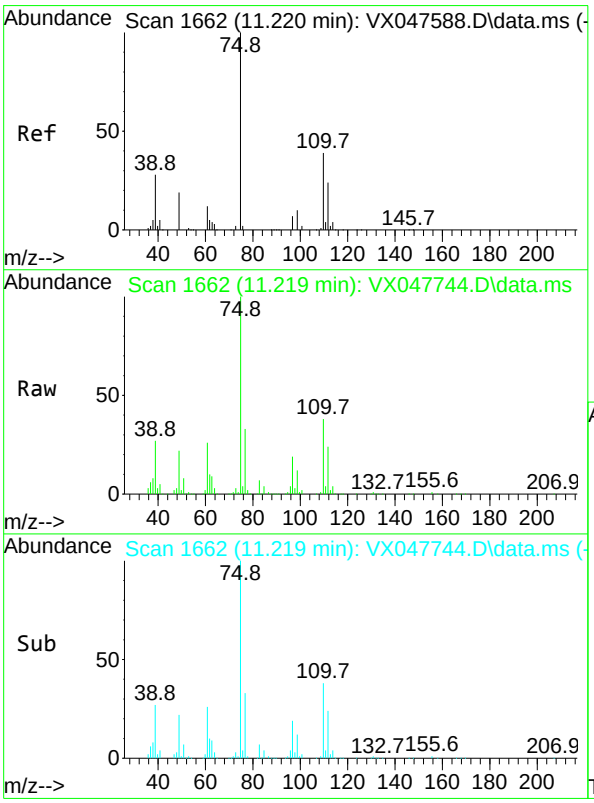
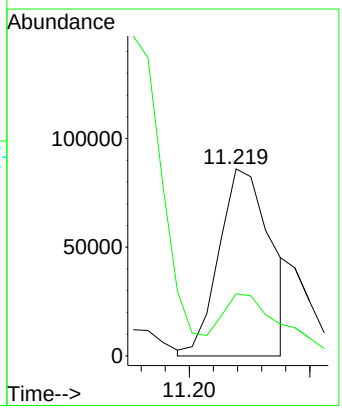
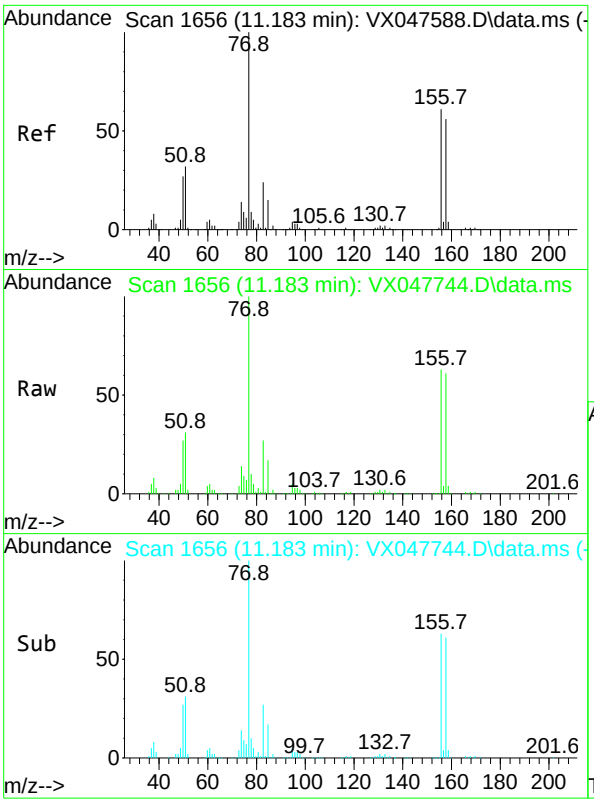



#76
1,2,3-Trichloropropane
Concen: 52.639 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 127852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 38.3 | 18.8 | 56.4 |

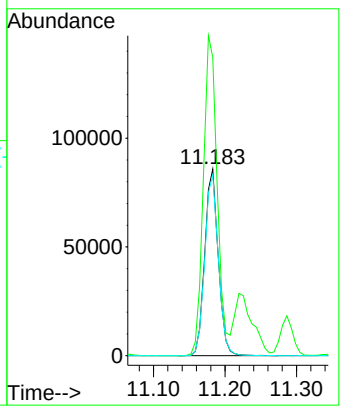





#77
Bromobenzene
Concen: 50.007 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:156 Resp: 11232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.2 | 89.7 | 269.1 |
| 158 | 97.8 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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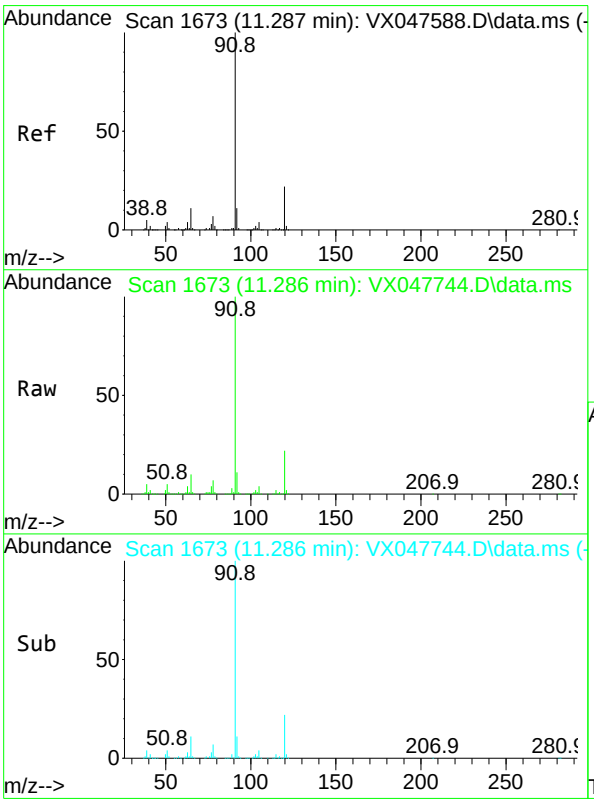
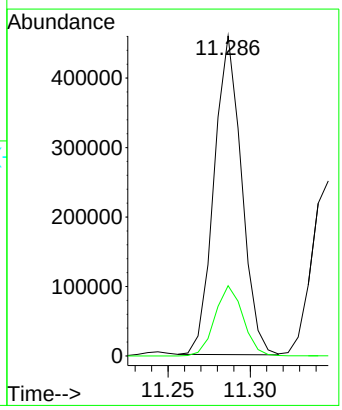
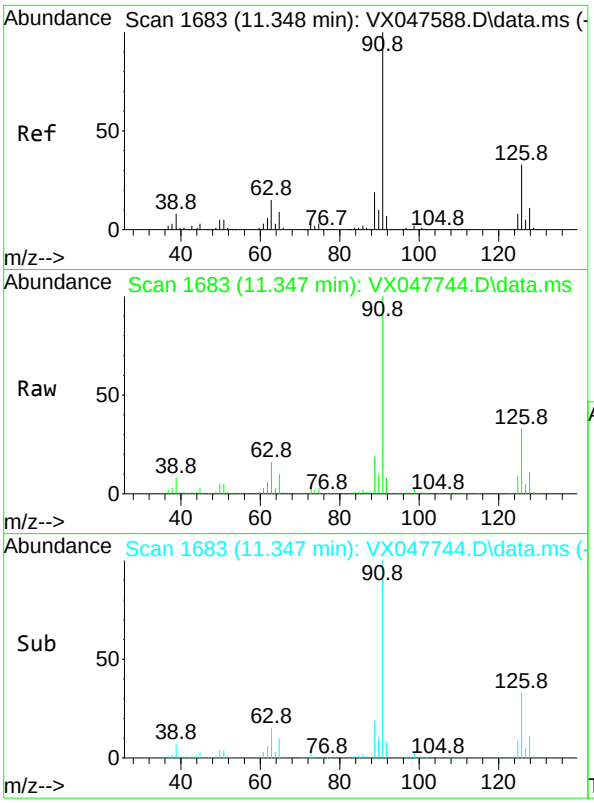



#78
n-propylbenzene
Concen: 49.483 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 533484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.1 | 33.1 |

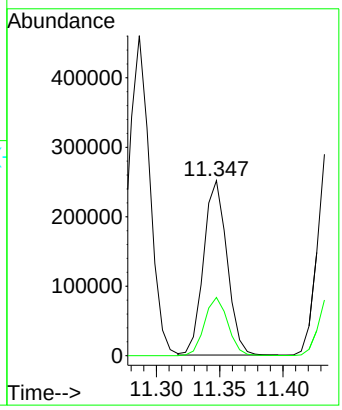





#79
2-Chlorotoluene
Concen: 49.069 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 32401

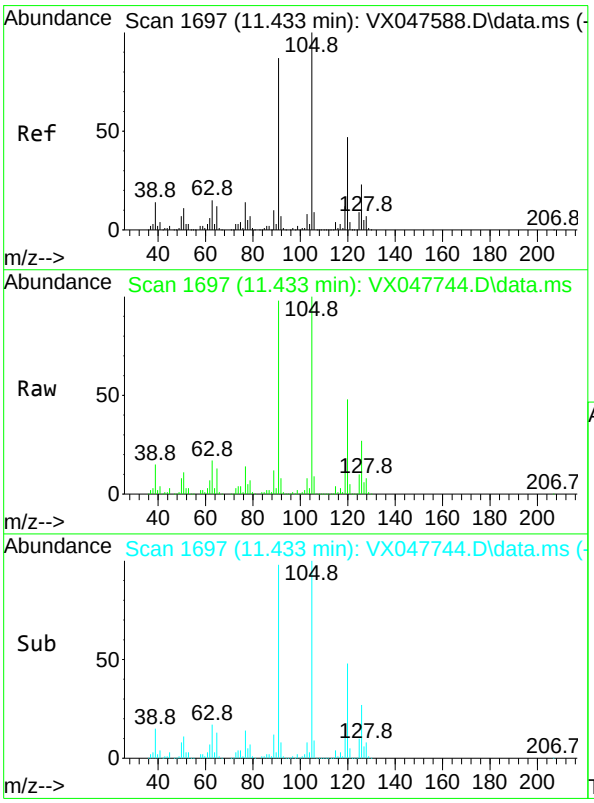
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

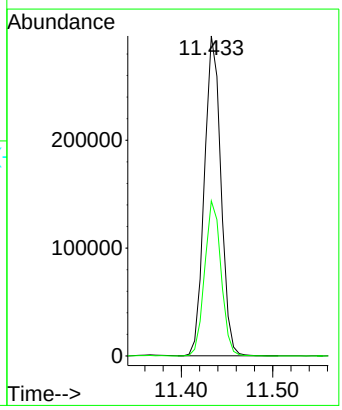
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

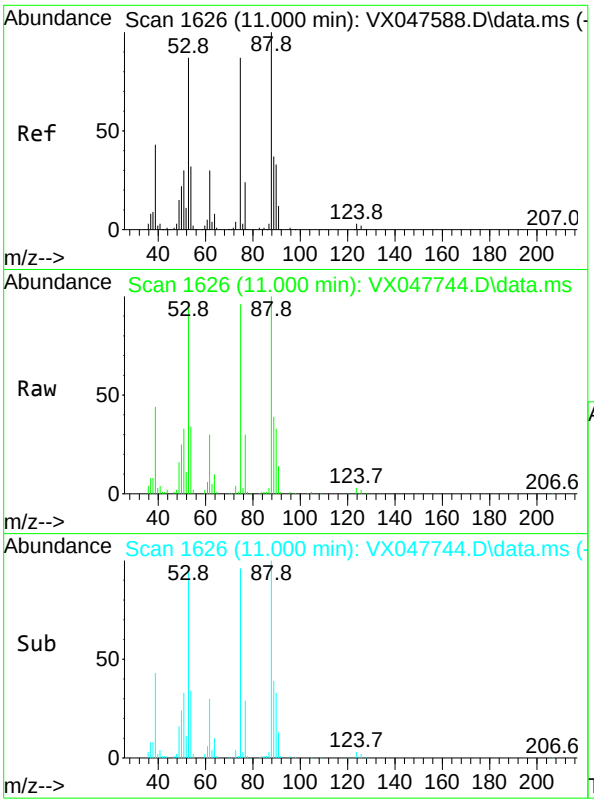



#80
1,3,5-Trimethylbenzene
Concen: 49.437 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 370433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 23.6 | 70.8 |

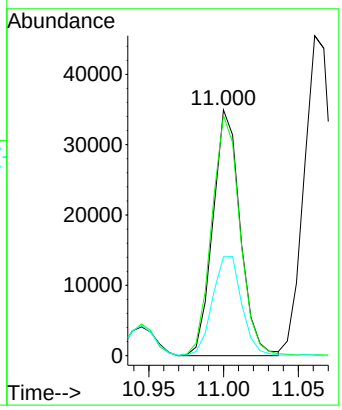





#81
trans-1,4-Dichloro-2-butene
Concen: 46.433 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 4422

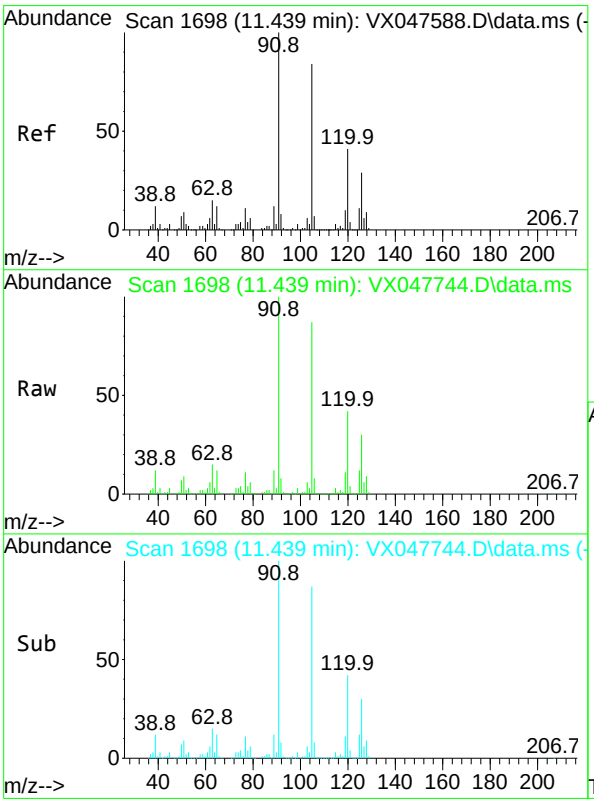
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.6 | 83.4 | 125.2 |
| 89 | 42.9 | 36.3 | 54.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

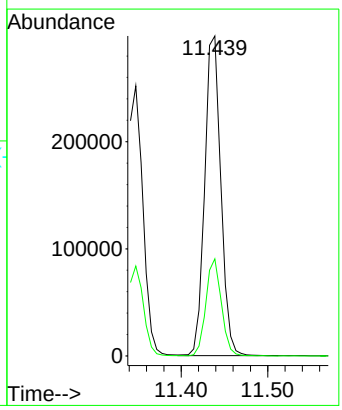
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

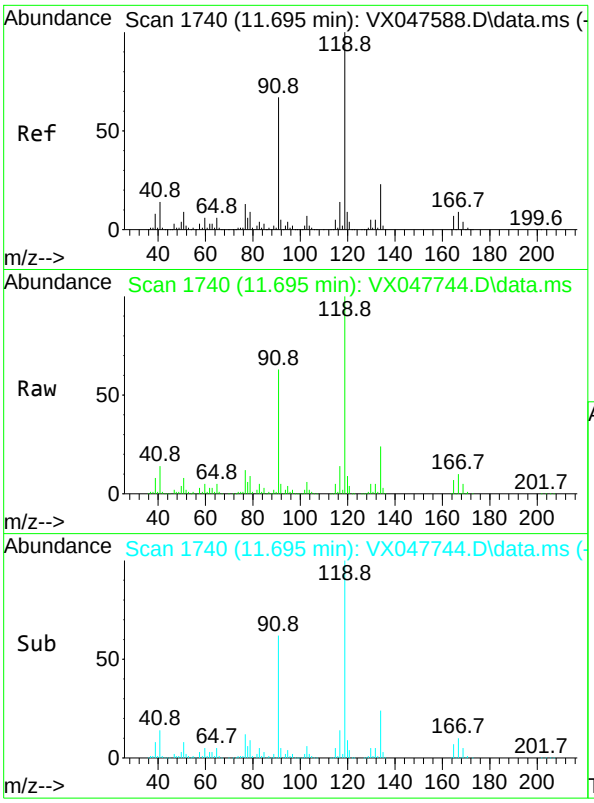



#82
4-Chlorotoluene
Concen: 49.610 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 386898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.2 | 42.6 |

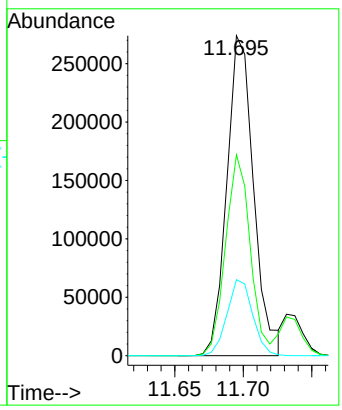





#83
tert-Butylbenzene
Concen: 48.704 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:119 Resp: 37358

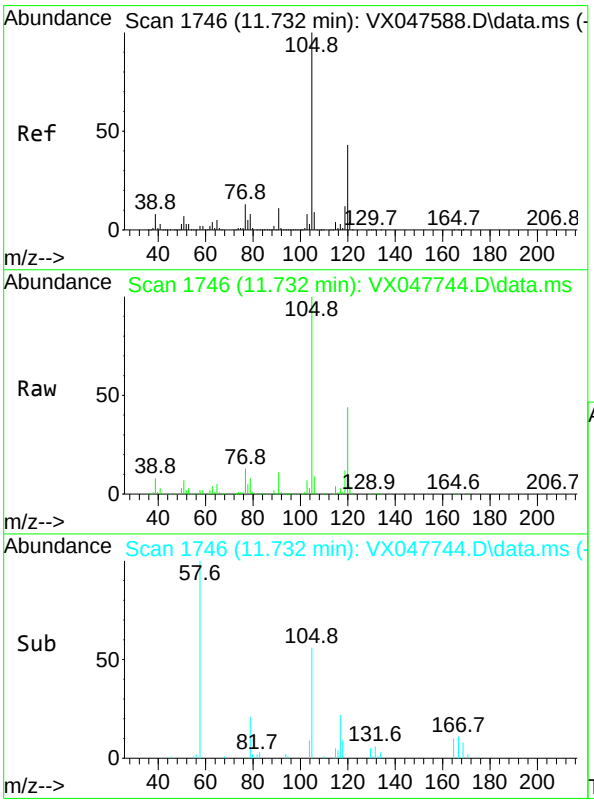
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.7 | 29.6 | 88.8 |
| 134 | 22.8 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

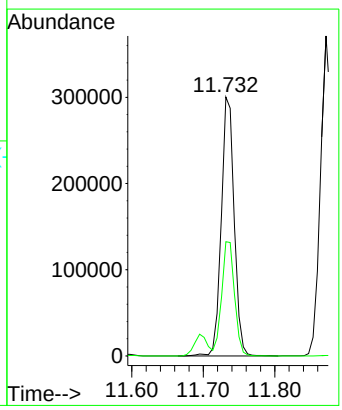
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

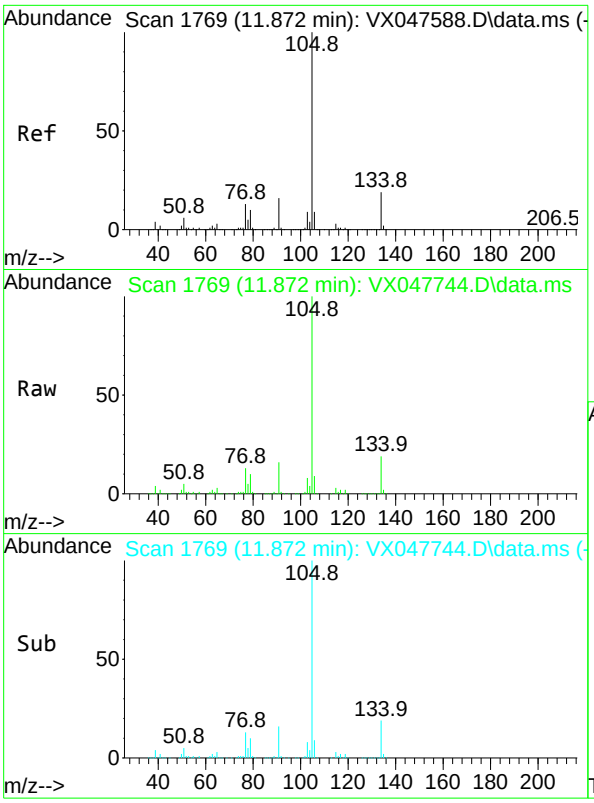



#84
1,2,4-Trimethylbenzene
Concen: 49.591 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 376730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.1 |

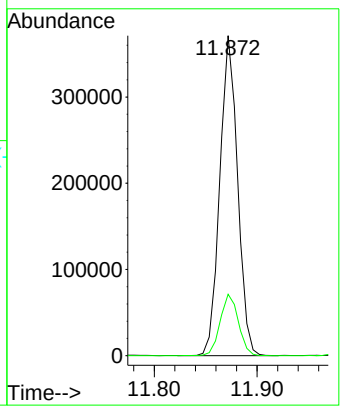





#85
sec-Butylbenzene
Concen: 48.878 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 44532

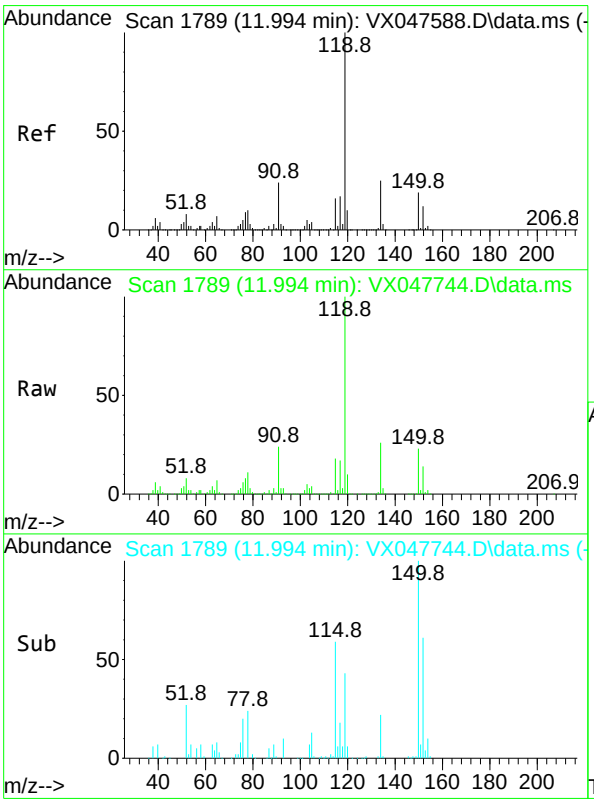
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

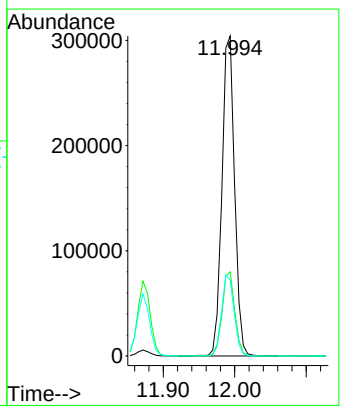
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

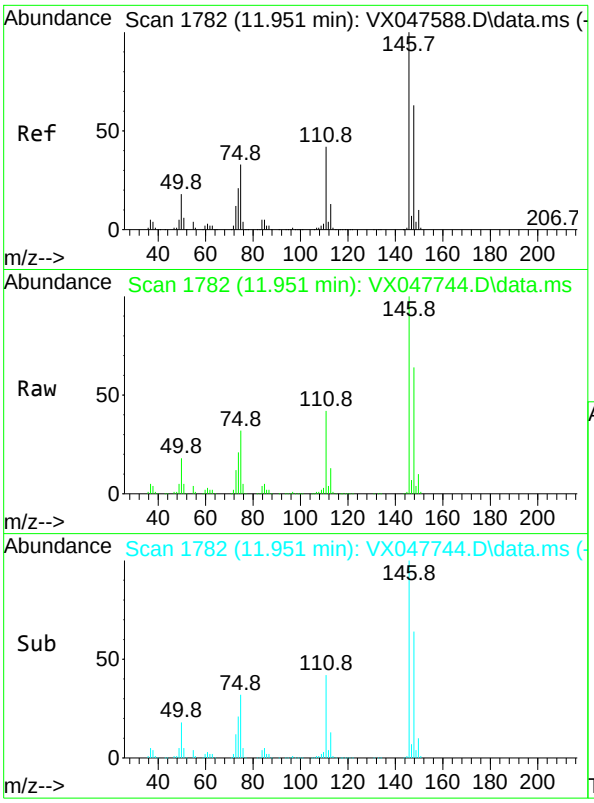



#86
p-Isopropyltoluene
Concen: 48.479 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:119 Resp: 373936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.6 | 37.8 |
| 91 | 25.3 | 12.6 | 37.6 |

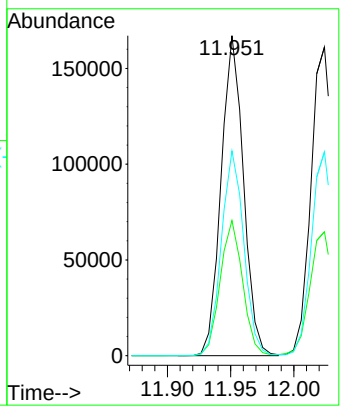





#87
1,3-Dichlorobenzene
Concen: 49.286 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:146 Resp: 20563

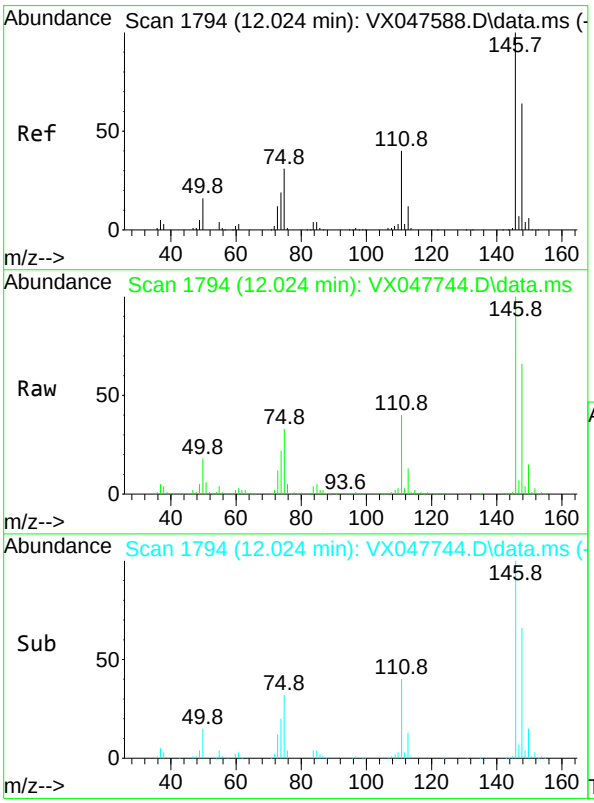
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 64.2 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

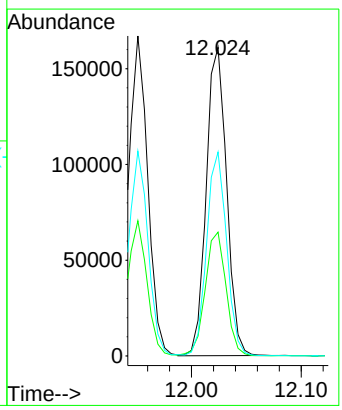
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

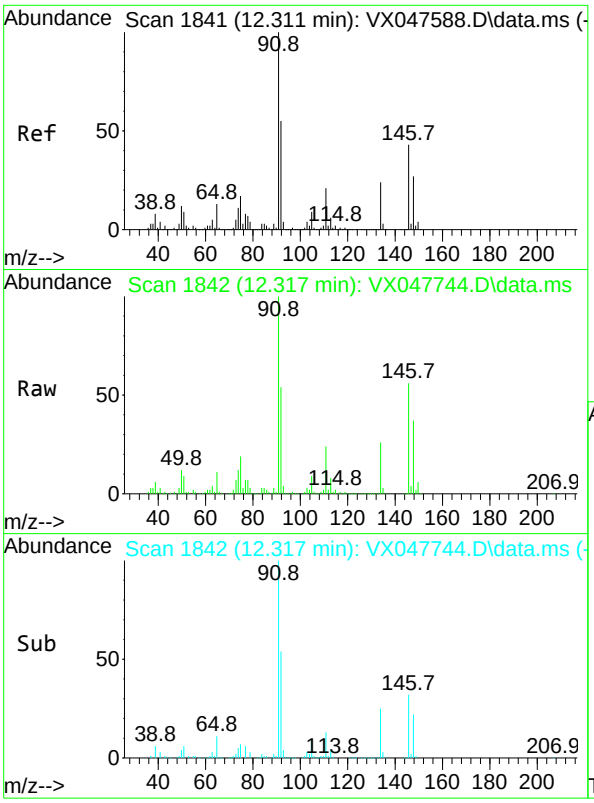



#88
1,4-Dichlorobenzene
Concen: 48.449 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:146 Resp: 207463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.8 | 62.4 |
| 148 | 65.1 | 31.7 | 95.1 |






#89
n-Butylbenzene
Concen: 48.442 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

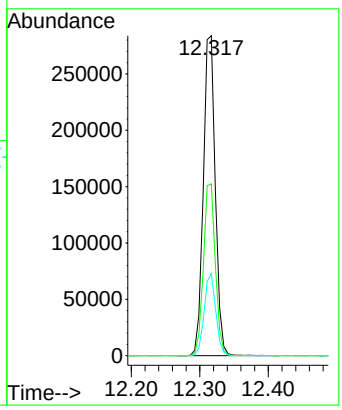
Tgt Ion: 91 Resp: 34573

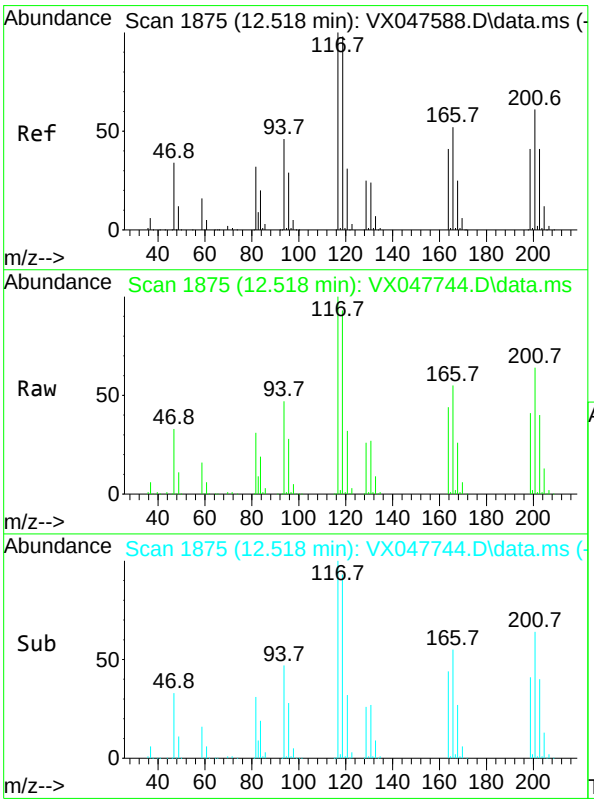
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 27.6 | 82.7 |
| 134 | 24.8 | 12.6 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

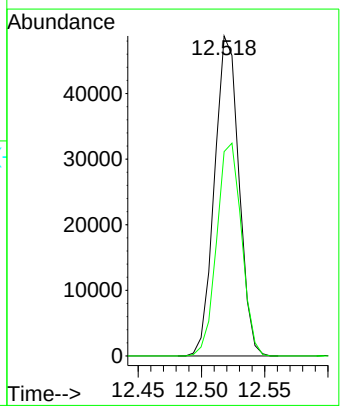


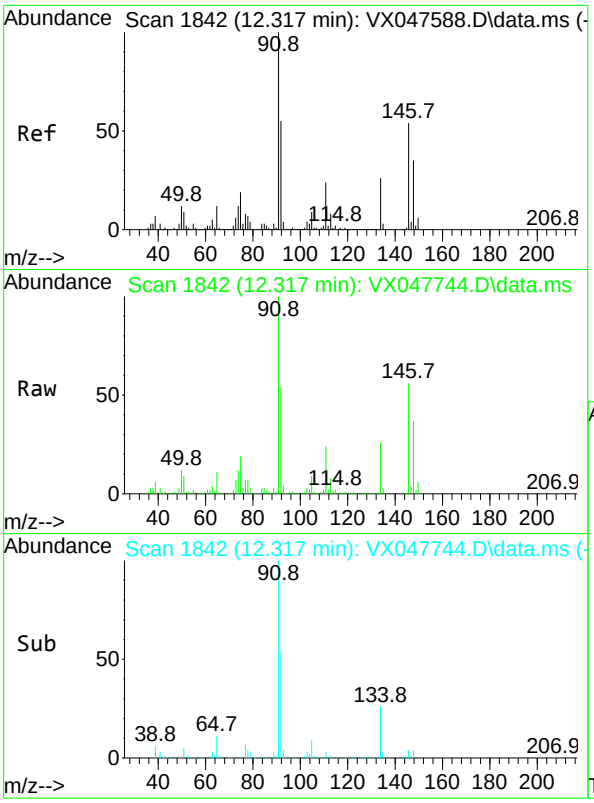




#90
Hexachloroethane
Concen: 48.232 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:117 Resp: 65317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 34.2 | 102.5 |

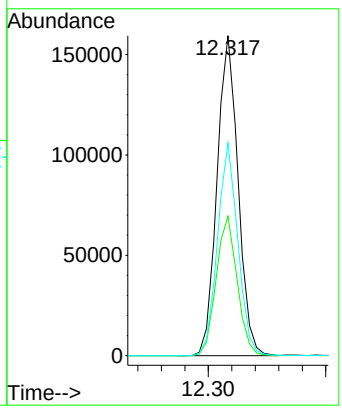





#91
1,2-Dichlorobenzene
Concen: 49.953 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:146 Resp: 19855

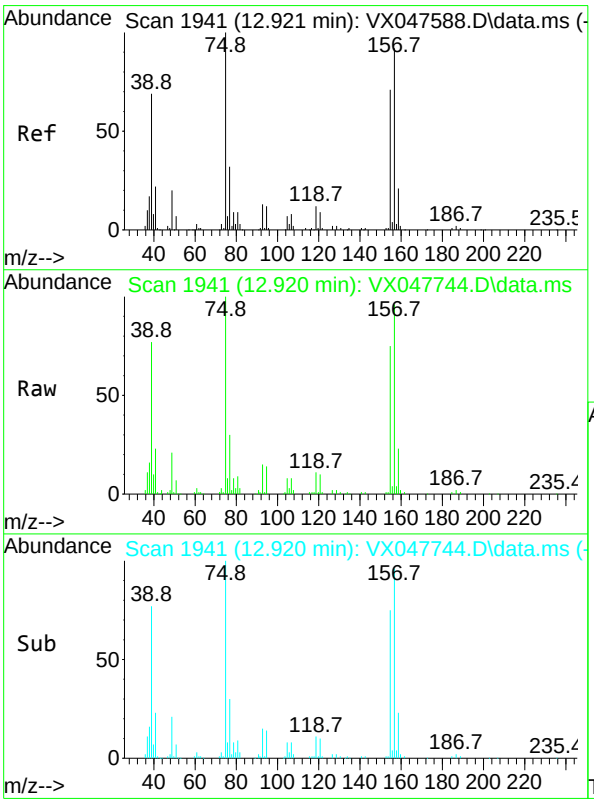
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 22.2 | 66.6 |
| 148 | 64.3 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

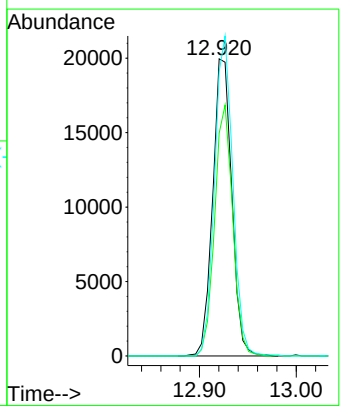
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

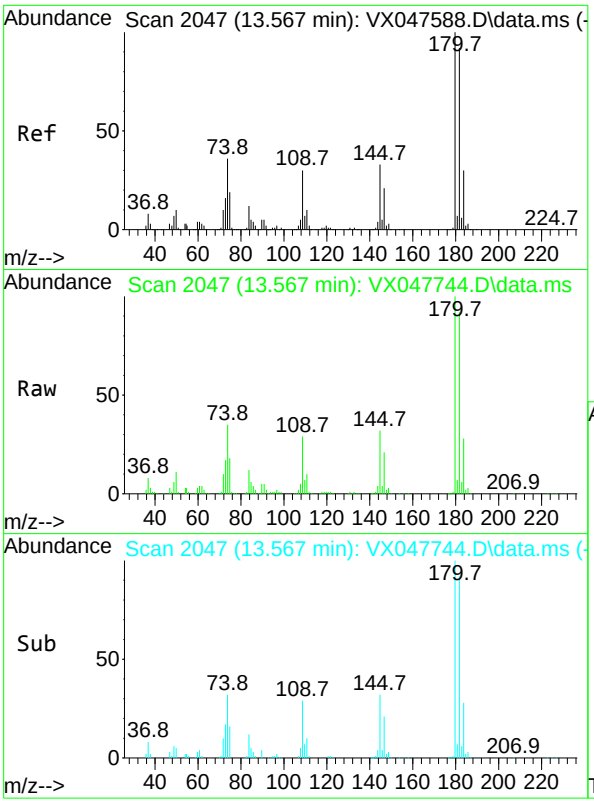



#92
1,2-Dibromo-3-Chloropropane
Concen: 48.908 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 27323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.8 | 37.7 | 113.1 |
| 157 | 103.2 | 49.8 | 149.4 |

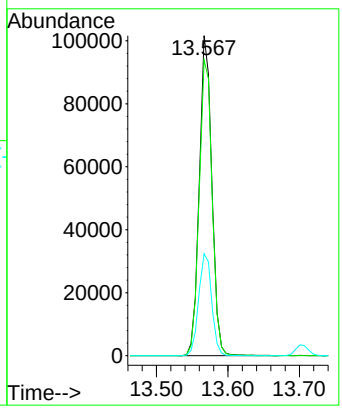





#93
1,2,4-Trichlorobenzene
Concen: 47.762 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:180 Resp: 12338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 46.6 | 139.8 |
| 145 | 33.1 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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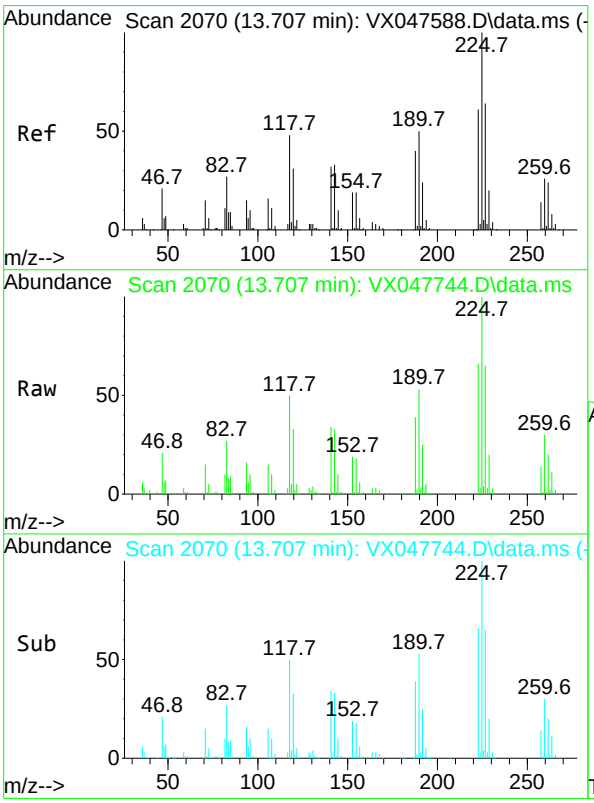
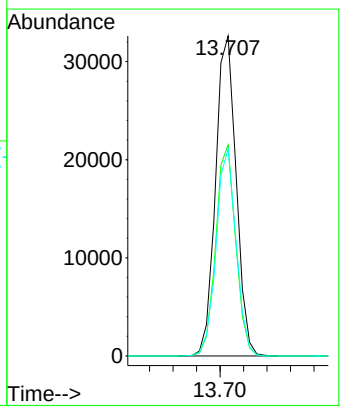
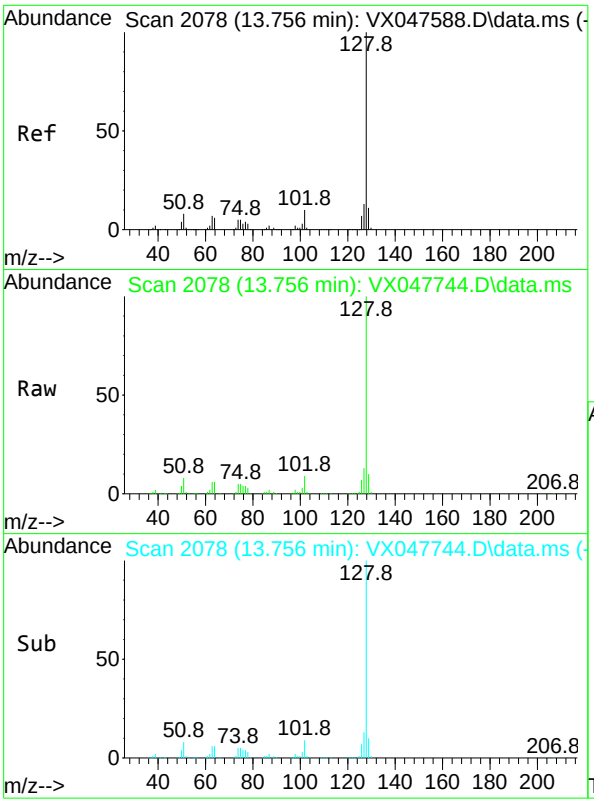



#94
Hexachlorobutadiene
Concen: 45.277 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:225 Resp: 39729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.7 | 95.1 |
| 227 | 62.7 | 32.0 | 96.0 |

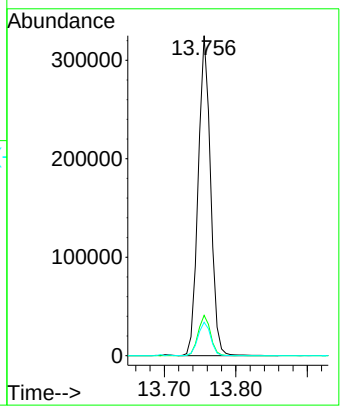





#95
Naphthalene
Concen: 49.575 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:128 Resp: 38997

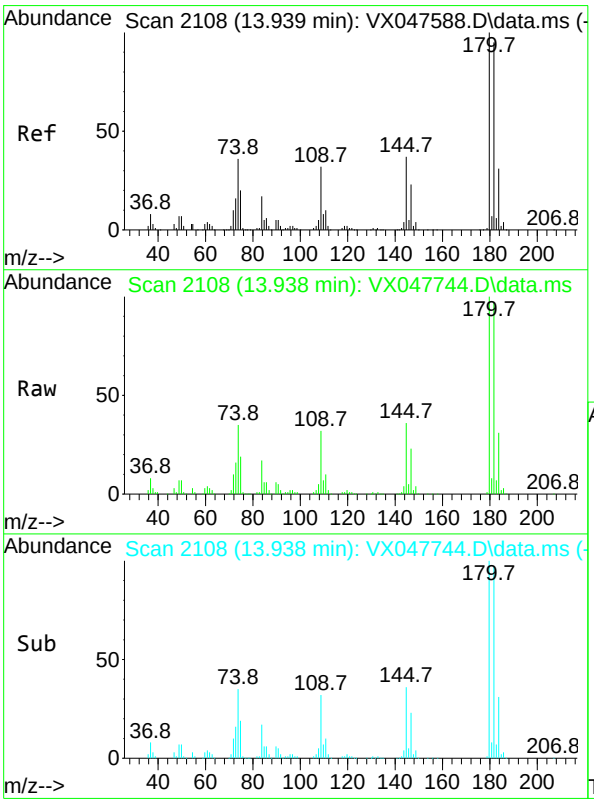
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

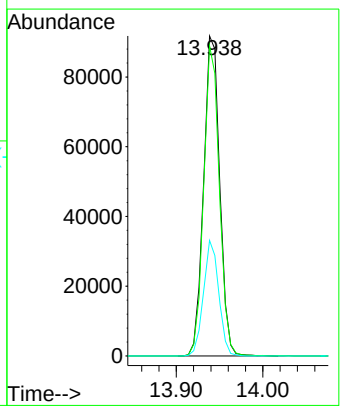
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 49.357 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:180 Resp: 118608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.6 | 142.8 |
| 145 | 34.3 | 17.9 | 53.7 |



Sample Results: **VX047744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.518 | 0.632 | -22.0 | 109 | 0.00 |
| 3 | P | Chloromethane | 0.680 | 0.784 | -15.3 | 102 | 0.00 |
| 4 | C | Vinyl Chloride | 0.666 | 0.776 | -16.5# | 101 | 0.00 |
| 5 | T | Bromomethane | 0.422 | 0.496 | -17.5 | 101 | 0.00 |
| 6 | T | Chloroethane | 0.445 | 0.505 | -13.5 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.989 | 1.097 | -10.9 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 0.405 | 0.438 | -8.1 | 92 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.639 | -10.6 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 0.902 | 0.972 | -7.8 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.089 | 0.082 | 7.9 | 79 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.594 | 0.657 | -10.6# | 94 | 0.00 |
| 13 | T | Acrolein | 0.082 | 0.092 | -12.2 | 97 | 0.00 |
| 14 | T | Allyl chloride | 1.226 | 1.245 | -1.5 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.379 | -15.5 | 94 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.295 | 14.7 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 1.626 | 1.828 | -12.4 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 0.770 | 0.876 | -13.8 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.169 | 2.338 | -7.8 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 0.732 | 0.797 | -8.9 | 94 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.640 | 0.715 | -11.7 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 2.376 | 2.590 | -9.0 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 1.901 | 2.098 | -10.4 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.263 | 1.376 | -8.9 | 91 | 0.00 |
| 25 | T | 2-Butanone | 0.432 | 0.442 | -2.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.050 | 0.874 | 16.8 | 70 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.783 | 0.862 | -10.1 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 0.551 | 0.579 | -5.1 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.292 | -12.3 | 91 | 0.00 |
| 30 | C | Chloroform | 1.276 | 1.391 | -9.0# | 91 | 0.00 |
| 31 | T | Cyclohexane | 1.052 | 1.100 | -4.6 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.082 | 1.150 | -6.3 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.781 | 1.9 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.336 | -0.3 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.490 | 0.498 | -1.6 | 90 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.541 | -3.0 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.522 | 1.9 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 0.556 | 0.569 | -2.3 | 89 | 0.00 |
| 40 | TM | Benzene | 1.488 | 1.586 | -6.6 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 0.271 | 0.293 | -8.1 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.566 | 0.582 | -2.8 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.860 | 0.900 | -4.7 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.386 | -7.2 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.410 | -7.6# | 91 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.295 | -6.5 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.607 | -6.1 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.448 | -4.4 | 88 | 0.00 |

Sample Results: **VX047744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.004 | 0.005 | -25.0 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 1.160 | 1.139 | 1.8 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.521 | -9.2 | 90 | 0.00 |
| 52 | CM | Toluene | 0.917 | 0.974 | -6.2# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.590 | -1.0 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.624 | 0.642 | -2.9 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.387 | -9.3 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.555 | 0.605 | -9.0 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.663 | -9.2 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.267 | -17.6 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 0.343 | 0.358 | -4.4 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 0.407 | 0.441 | -8.4 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.360 | 0.396 | -10.0 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.440 | 0.434 | 1.4 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.337 | -3.4 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 1.136 | 1.185 | -4.3 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.406 | -3.6 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 1.960 | 2.020 | -3.1# | 89 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.755 | -3.6 | 89 | 0.00 |
| 69 | T | o-Xylene | 0.706 | 0.741 | -5.0 | 89 | 0.00 |
| 70 | T | Styrene | 1.236 | 1.305 | -5.6 | 91 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.305 | -4.1 | 88 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 3.801 | 3.780 | 0.6 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 1.733 | 1.757 | -1.4 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.194 | -3.8 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.012 | 1.066 | -5.3 | 89 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 0.936 | 0.0 | 89 | 0.00 |
| 78 | T | n-propylbenzene | 4.494 | 4.447 | 1.0 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.752 | 2.701 | 1.9 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.123 | 3.088 | 1.1 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.397 | 0.369 | 7.1 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.251 | 3.225 | 0.8 | 88 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.197 | 3.114 | 2.6 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.166 | 3.140 | 0.8 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.797 | 3.712 | 2.2 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.215 | 3.117 | 3.0 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.739 | 1.714 | 1.4 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.785 | 1.729 | 3.1 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 2.975 | 2.882 | 3.1 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.564 | 0.544 | 3.5 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.655 | 0.1 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.228 | 2.1 | 84 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.029 | 4.5 | 84 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.366 | 0.331 | 9.6 | 81 | 0.00 |
| 95 | T | Naphthalene | 3.279 | 3.251 | 0.9 | 86 | 0.00 |

Sample Results: **VX047744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1.002 | 0.989 | 1.3 | 85 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 61.061 | -22.1 | 109 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 57.609 | -15.2 | 102 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 58.282 | -16.6# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 58.713 | -17.4 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 56.753 | -13.5 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 55.451 | -10.9 | 95 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.148 | -8.3 | 92 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.254 | -10.5 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.870 | -7.7 | 92 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 231.046 | 7.6 | 79 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.275 | -10.5# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 281.718 | -12.7 | 97 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.766 | -1.5 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 288.375 | -15.4 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 212.978 | 14.8 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 56.202 | -12.4 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.883 | -13.8 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.896 | -7.8 | 90 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 54.405 | -8.8 | 94 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 55.907 | -11.8 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.502 | -9.0 | 90 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 275.867 | -10.3 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 54.500 | -9.0 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 256.128 | -2.5 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 41.645 | 16.7 | 70 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.058 | -10.1 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.489 | -5.0 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 281.124 | -12.4 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.504 | -9.0# | 91 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.311 | -4.6 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.110 | -6.2 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.065 | 1.9 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.112 | -0.2 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.792 | -1.6 | 90 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.600 | -3.2 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.026 | 1.9 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.142 | -2.3 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.282 | -6.6 | 92 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.104 | -8.2 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.431 | -2.9 | 88 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.327 | -4.7 | 88 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.576 | -7.2 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.818 | -7.6# | 91 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 53.104 | -6.2 | 90 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.077 | -6.2 | 88 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.283 | -4.6 | 88 | 0.00 |

Sample Results: **VX047744.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1196.046 | -19.6 | 95 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.087 | 1.8 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 272.809 | -9.1 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.113 | -6.2# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.499 | -1.0 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.421 | -2.8 | 86 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.692 | -9.4 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.448 | -8.9 | 89 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.560 | -9.1 | 91 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 251.172 | -0.5 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.895 | -4.4 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.078 | -8.2 | 89 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.937 | -9.9 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.307 | 1.4 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.765 | -3.5 | 93 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.159 | -4.3 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.810 | -3.6 | 88 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.527 | -3.1# | 89 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.518 | -3.5 | 89 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.511 | -5.0 | 89 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.779 | -5.6 | 91 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.097 | -4.2 | 88 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.722 | 0.6 | 88 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.685 | -1.4 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.892 | -3.8 | 92 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.639 | -5.3 | 89 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.007 | -0.0 | 89 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.483 | 1.0 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.069 | 1.9 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.437 | 1.1 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.433 | 7.1 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.610 | 0.8 | 88 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.704 | 2.6 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.591 | 0.8 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.878 | 2.2 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.479 | 3.0 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.286 | 1.4 | 89 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.449 | 3.1 | 89 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 48.442 | 3.1 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.232 | 3.5 | 86 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.953 | 0.1 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.908 | 2.2 | 84 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.762 | 4.5 | 84 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 45.277 | 9.4 | 81 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.575 | 0.8 | 86 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 49.357 | 1.3 | 85 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047746.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: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3141
Instrument ID: MSVOA_X
Calibration Date/Time: 09/24/2025 02:08
Lab File ID: VX047746.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.518 | 0.672 | | 29.73 | 20 |
| Chloromethane | 0.680 | 0.783 | 0.1 | 15.15 | 20 |
| Vinyl Chloride | 0.666 | 0.789 | | 18.47 | 20 |
| Bromomethane | 0.422 | 0.468 | | 10.9 | 20 |
| Chloroethane | 0.445 | 0.492 | | 10.56 | 20 |
| Trichlorofluoromethane | 0.989 | 1.101 | | 11.32 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.578 | 0.655 | | 13.32 | 20 |
| 1,1-Dichloroethene | 0.594 | 0.663 | | 11.62 | 20 |
| Acetone | 0.346 | 0.298 | | -13.87 | 20 |
| Carbon Disulfide | 1.626 | 1.796 | | 10.45 | 20 |
| Methyl tert-butyl Ether | 2.169 | 2.253 | | 3.87 | 20 |
| Methyl Acetate | 0.770 | 0.868 | | 12.73 | 20 |
| Methylene Chloride | 0.732 | 0.771 | | 5.33 | 20 |
| trans-1,2-Dichloroethene | 0.640 | 0.695 | | 8.59 | 20 |
| 1,1-Dichloroethane | 1.263 | 1.349 | 0.1 | 6.81 | 20 |
| Cyclohexane | 1.052 | 1.077 | | 2.38 | 20 |
| 2-Butanone | 0.432 | 0.438 | | 1.39 | 20 |
| Carbon Tetrachloride | 0.532 | 0.554 | | 4.14 | 20 |
| cis-1,2-Dichloroethene | 0.783 | 0.815 | | 4.09 | 20 |
| Bromochloromethane | 0.551 | 0.629 | | 14.16 | 20 |
| Chloroform | 1.276 | 1.328 | | 4.07 | 20 |
| 1,1,1-Trichloroethane | 1.082 | 1.123 | | 3.79 | 20 |
| Methylcyclohexane | 0.556 | 0.576 | | 3.6 | 20 |
| Benzene | 1.488 | 1.584 | | 6.45 | 20 |
| 1,2-Dichloroethane | 0.566 | 0.569 | | 0.53 | 20 |
| Trichloroethene | 0.360 | 0.387 | | 7.5 | 20 |
| 1,2-Dichloropropane | 0.381 | 0.401 | | 5.25 | 20 |
| Bromodichloromethane | 0.572 | 0.594 | | 3.85 | 20 |
| 4-Methyl-2-Pentanone | 0.477 | 0.516 | | 8.18 | 20 |
| Toluene | 0.917 | 0.950 | | 3.6 | 20 |
| t-1,3-Dichloropropene | 0.584 | 0.561 | | -3.94 | 20 |
| cis-1,3-Dichloropropene | 0.624 | 0.614 | | -1.6 | 20 |
| 1,1,2-Trichloroethane | 0.354 | 0.369 | | 4.24 | 20 |
| 2-Hexanone | 0.343 | 0.357 | | 4.08 | 20 |
| Dibromochloromethane | 0.407 | 0.431 | | 5.9 | 20 |
| 1,2-Dibromoethane | 0.360 | 0.382 | | 6.11 | 20 |
| Tetrachloroethene | 0.326 | 0.346 | | 6.14 | 20 |
| Chlorobenzene | 1.136 | 1.179 | 0.3 | 3.79 | 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: **VX047746.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: | Alliance | Contract: | TETR06 |
| Lab Code: | ACE | SDG No.: | Q3141 |
| Instrument ID: | MSVOA_X | Calibration Date/Time: | 09/24/2025 02:08 |
| Lab File ID: | VX047746.D | Init. Calib. Date(s): | 09/16/2025 09/16/2025 |
| Heated Purge: (Y/N) | N | Init. Calib. Time(s): | 09:23 12:01 |

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.960 | 2.043 | | 4.24 | 20 |
| m/p-Xylenes | 0.729 | 0.773 | | 6.04 | 20 |
| o-Xylene | 0.706 | 0.741 | | 4.96 | 20 |
| Styrene | 1.236 | 1.308 | | 5.82 | 20 |
| Bromoform | 0.293 | 0.317 | 0.1 | 8.19 | 20 |
| Isopropylbenzene | 3.801 | 3.949 | | 3.89 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.150 | 1.228 | 0.3 | 6.78 | 20 |
| 1,3-Dichlorobenzene | 1.739 | 1.760 | | 1.21 | 20 |
| 1,4-Dichlorobenzene | 1.785 | 1.788 | | 0.17 | 20 |
| 1,2-Dichlorobenzene | 1.657 | 1.706 | | 2.96 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.233 | 0.234 | | 0.43 | 20 |
| 1,2,4-Trichlorobenzene | 1.077 | 1.065 | | -1.11 | 20 |
| 1,2,3-Trichlorobenzene | 1.002 | 1.020 | | 1.8 | 20 |
| 1,2-Dichloroethane-d4 | 0.796 | 0.863 | | 8.42 | 20 |
| Dibromofluoromethane | 0.335 | 0.398 | | 18.81 | 20 |
| Toluene-d8 | 1.160 | 1.325 | | 14.22 | 20 |
| 4-Bromofluorobenzene | 0.440 | 0.493 | | 12.05 | 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\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 166745 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 290663 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 252770 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 121948 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 143883 | 54.210 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 108.420% | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 115620 | 59.312 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 118.620% | | | |
| 50) Toluene-d8 | 8.629 | 98 | 385188 | 57.106 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 114.220%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 143339 | 55.994 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 111.980% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 112040 | 64.888 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 130600 | 57.550 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 131626 | 59.253 | ug/l | 99 |
| 5) Bromomethane | 1.612 | 94 | 78027 | 55.392 | ug/l | 100 |
| 6) Chloroethane | 1.691 | 64 | 81956 | 55.200 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 183574 | 55.656 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 71840 | 53.244 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 109156 | 56.598 | ug/l | 98 |
| 10) Methyl Iodide | 2.453 | 142 | 159713 | 53.098 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.941 | 59 | 74645 | 252.518 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 110500 | 55.777 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 76283 | 280.037 | ug/l | 97 |
| 14) Allyl chloride | 2.660 | 41 | 201882 | 49.383 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 308364 | 281.629 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 248054 | 214.945 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 299474 | 55.218 | ug/l | 98 |
| 18) Methyl Acetate | 2.697 | 43 | 144662 | 56.326 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 375666 | 51.946 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 128569 | 52.632 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 115848 | 54.315 | ug/l | 98 |
| 22) Diisopropyl ether | 3.745 | 45 | 417196 | 52.658 | ug/l | 88 |
| 23) Vinyl Acetate | 3.709 | 43 | 1676763 | 264.433 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 224981 | 53.426 | ug/l | 100 |
| 25) 2-Butanone | 4.532 | 43 | 365129 | 253.647 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 121706 | 34.769 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 135871 | 52.016 | ug/l | 95 |
| 28) Bromochloromethane | 4.879 | 49 | 104808 | 57.010 | ug/l | 98 |
| 29) Tetrahydrofuran | 4.983 | 42 | 236130 | 272.674 | ug/l | 99 |
| 30) Chloroform | 5.068 | 83 | 221493 | 52.050 | ug/l | 97 |
| 31) Cyclohexane | 5.452 | 56 | 179654 | 51.224 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 187296 | 51.890 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 146503 | 51.432 | ug/l | 99 |
| 37) Ethyl Acetate | 4.690 | 43 | 157558 | 51.660 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 160891 | 51.986 | ug/l | 97 |
| 39) Methylcyclohexane | 7.361 | 83 | 167414 | 51.777 | ug/l | 99 |
| 40) Benzene | 6.019 | 78 | 460455 | 53.223 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 87766 | 55.742 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 165276 | 50.209 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 257745 | 51.528 | ug/l | | 99 |
| 44) Trichloroethene | 7.104 | 130 | 112394 | 53.736 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 116449 | 52.565 | ug/l | | 100 |
| 46) Dibromomethane | 7.562 | 93 | 84502 | 52.418 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.799 | 83 | 172703 | 51.915 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.671 | 41 | 129497 | 51.974 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.641 | 88 | 32904 | 1306.764 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 749272 | 270.171 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 276160 | 51.811 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 163001 | 48.037 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 178505 | 49.218 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 107258 | 52.187 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 169567 | 52.534 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 186062 | 52.699 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 436211 | 280.568 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 518114 | 260.122 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.500 | 129 | 125404 | 52.954 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 111139 | 53.090 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.257 | 164 | 87453 | 53.073 | ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 297945 | 51.885 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 104386 | 52.679 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 516414 | 52.120 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 390979 | 106.017 | ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 187203 | 52.481 | ug/l | | 99 |
| 70) Styrene | 10.634 | 104 | 330686 | 52.908 | ug/l | | 98 |
| 71) Bromoform | 10.781 | 173 | 80138 | 54.161 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.945 | 105 | 481526 | 51.938 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 221168 | 52.312 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 149789 | 53.400 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 119145m | 48.255 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 116706 | 51.110 | ug/l | | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 563194 | 51.387 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 341925 | 50.938 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 385950 | 50.669 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 42739 | 44.142 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 398881 | 50.313 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 397171 | 50.936 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 394508 | 51.085 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 471850 | 50.945 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 397440 | 50.687 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 214686 | 50.618 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 218086 | 50.100 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 359706 | 49.578 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 70601 | 51.284 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 208091 | 51.499 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 28554 | 50.279 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 129844 | 49.444 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 42478 | 47.621 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 410203 | 51.297 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 124328 | 50.895 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

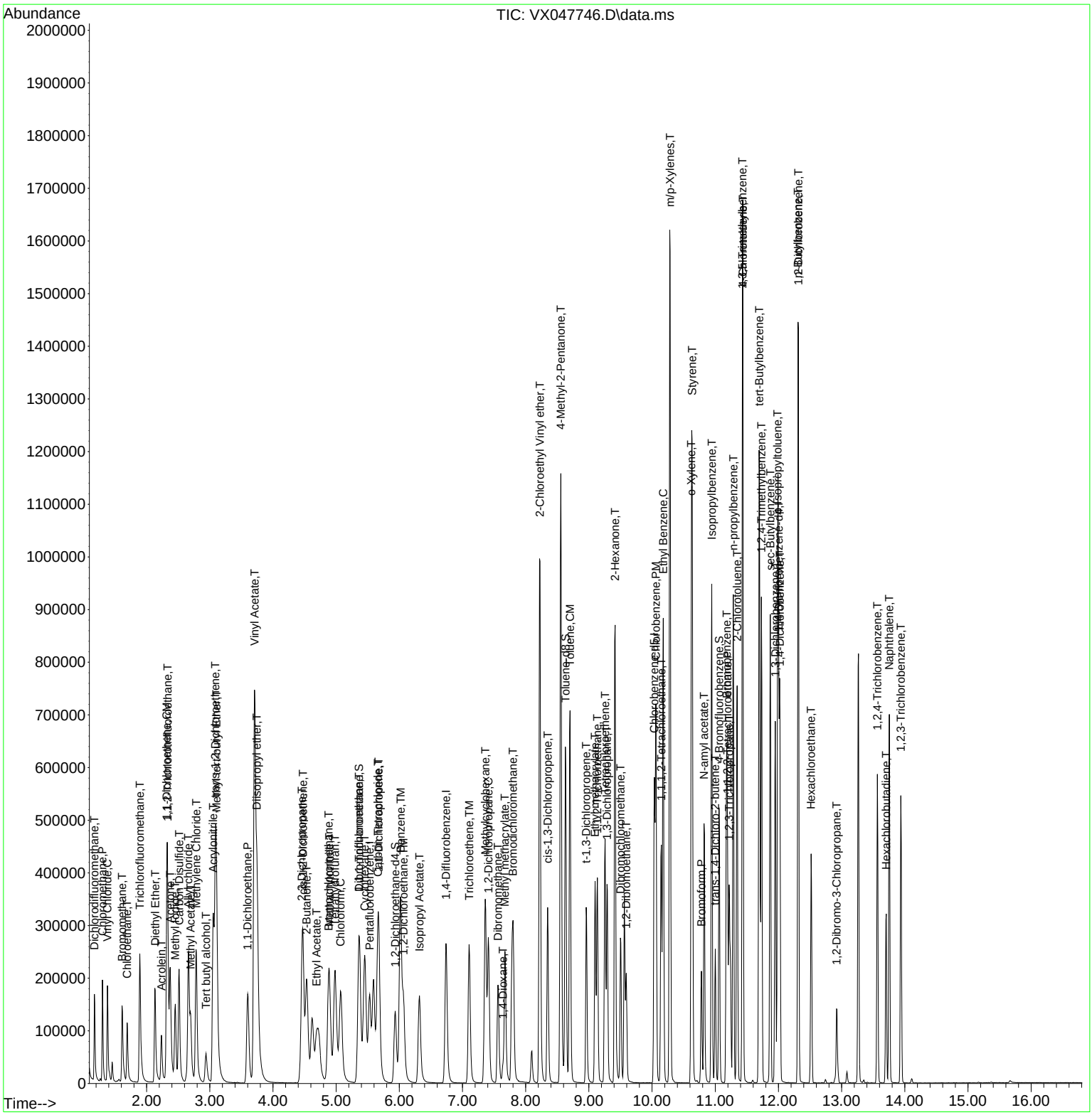
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

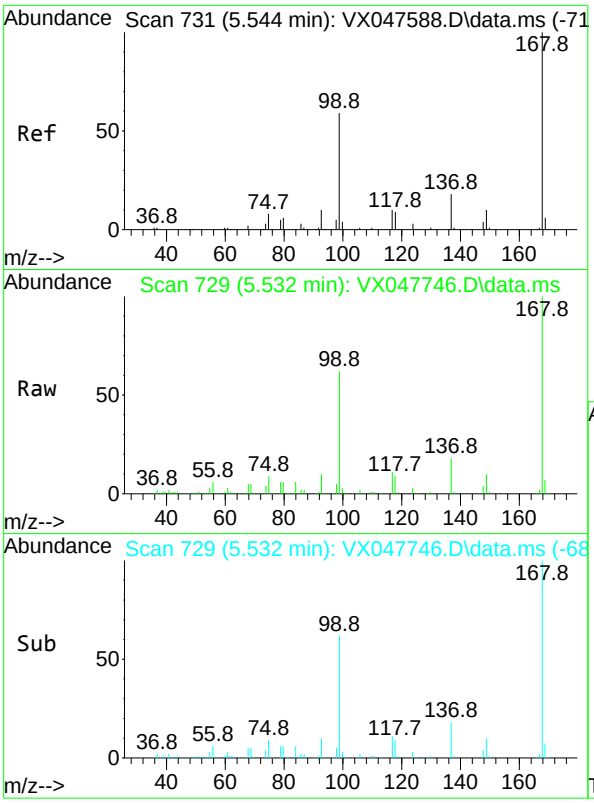
Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

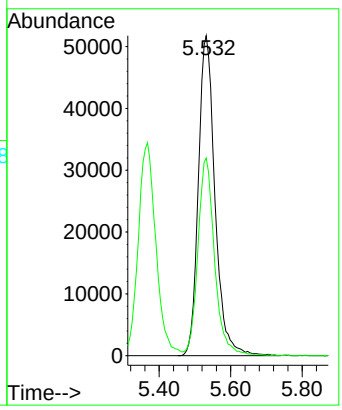





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:168 Resp: 16674

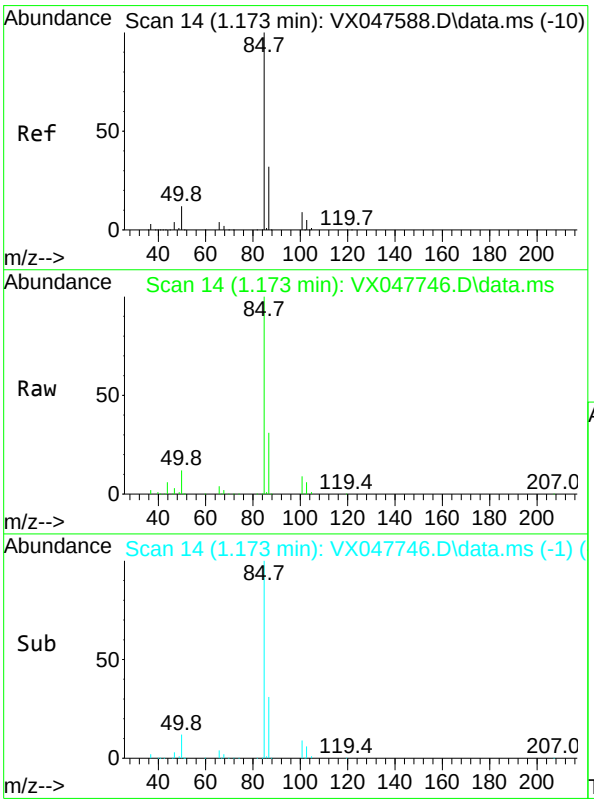
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

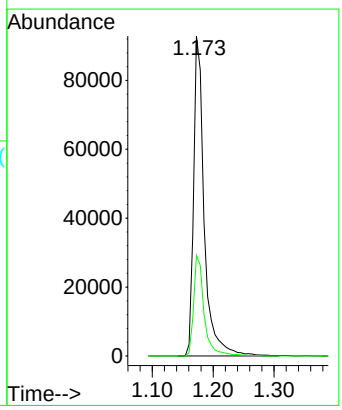
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

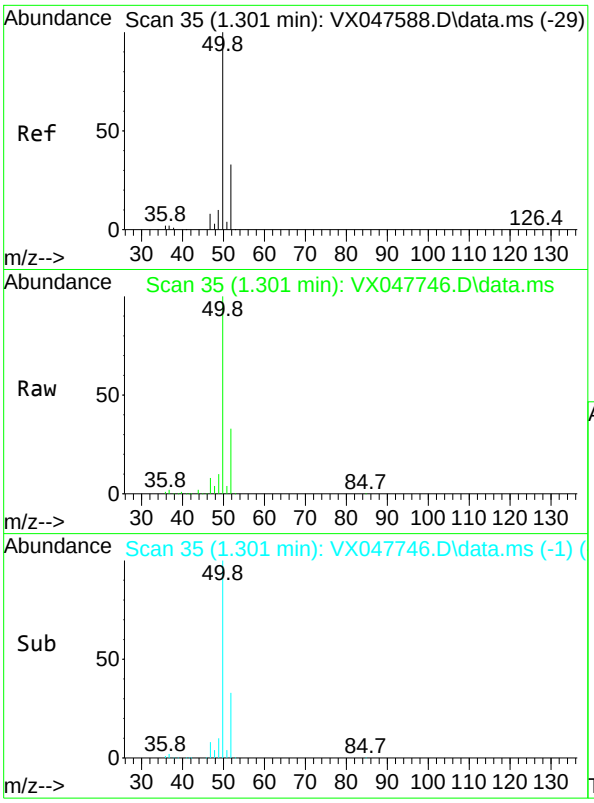



#2
Dichlorodifluoromethane
Concen: 64.888 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 85 Resp: 112040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.8 | 47.3 |

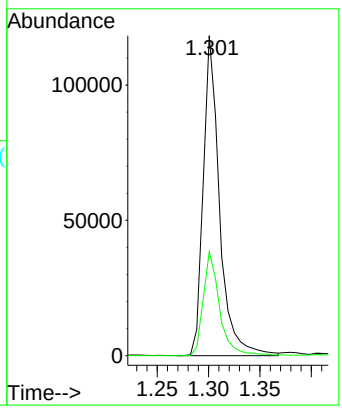





#3
Chloromethane
Concen: 57.550 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 50 Resp: 13060

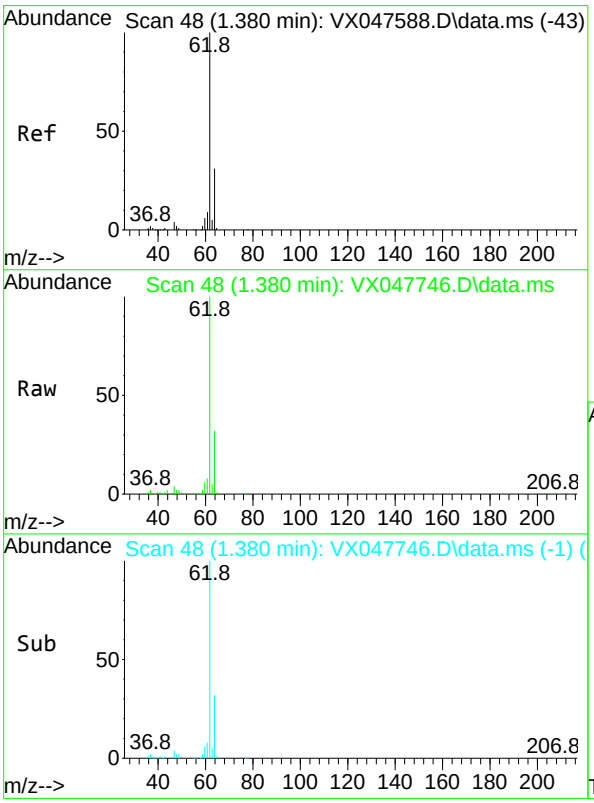
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

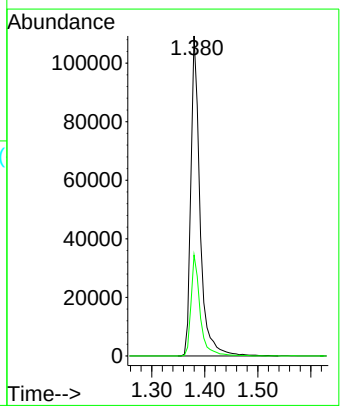
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

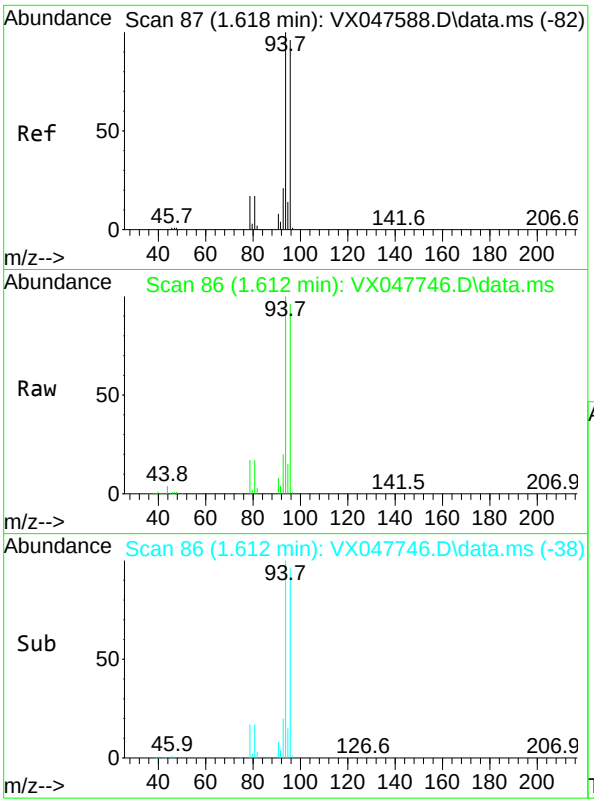



#4
Vinyl Chloride
Concen: 59.253 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 62 Resp: 131626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 24.9 | 37.3 |

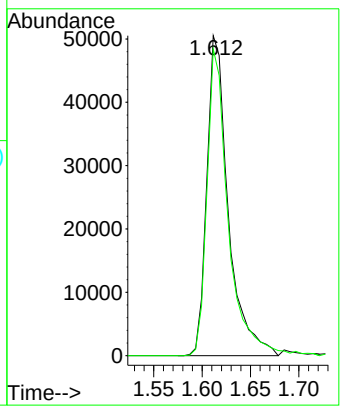





#5
Bromomethane
Concen: 55.392 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 94 Resp: 7802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.9 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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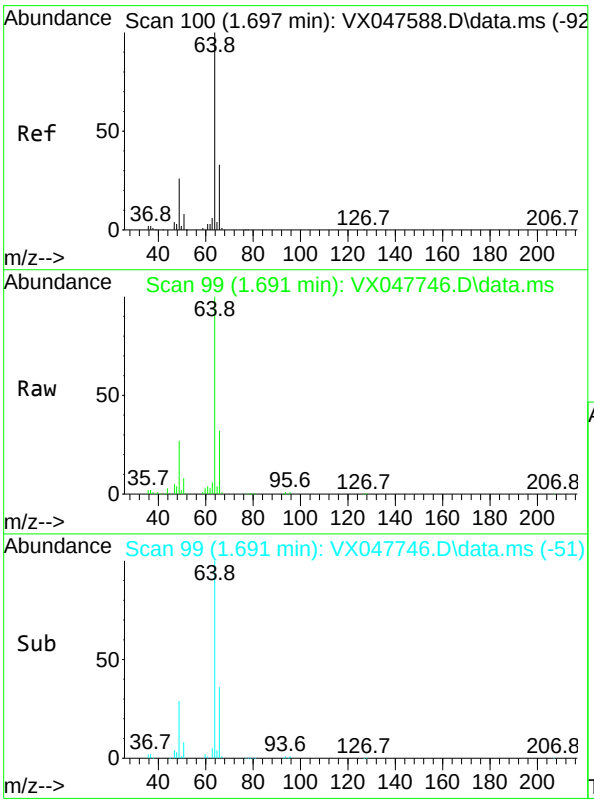
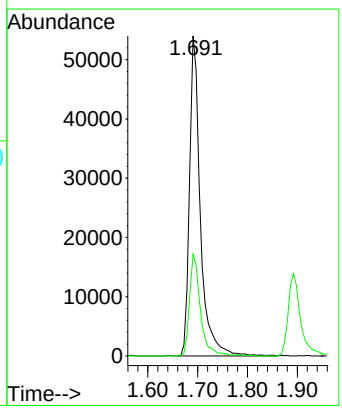
Supervised By :Mahesh Dadoda 09/26/2025

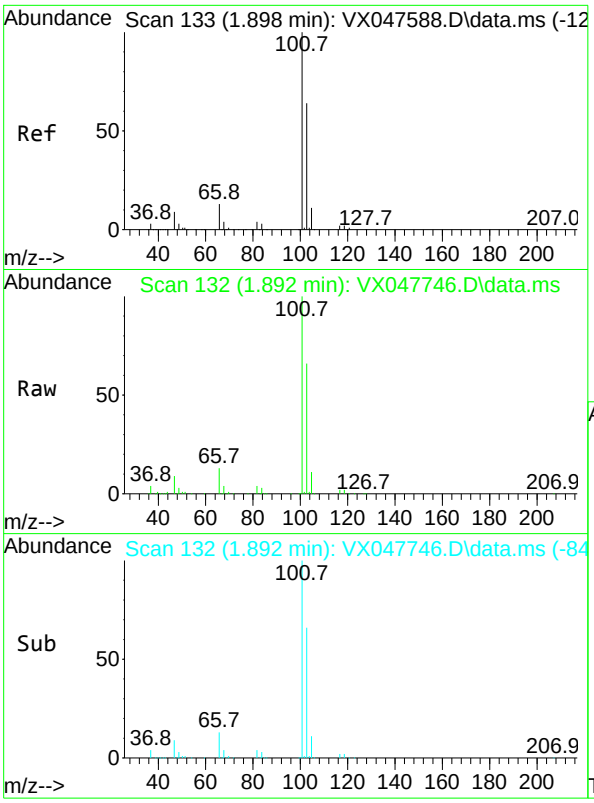



#6
Chloroethane
Concen: 55.200 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 64 Resp: 81956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 26.1 | 39.1 |

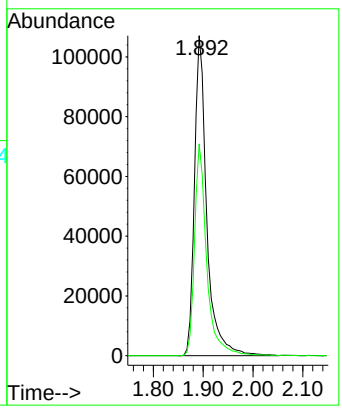





#7
Trichlorofluoromethane
Concen: 55.656 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:101 Resp: 18357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.4 | 77.2 |




**Instrument :**
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VSTDCCC050

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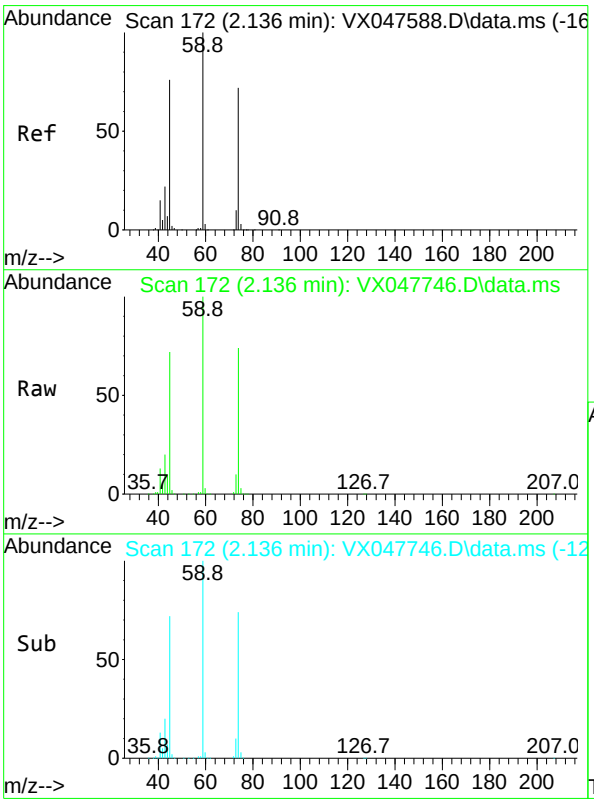
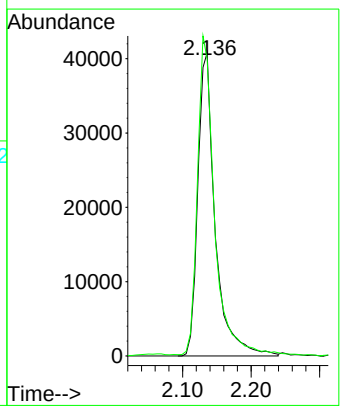
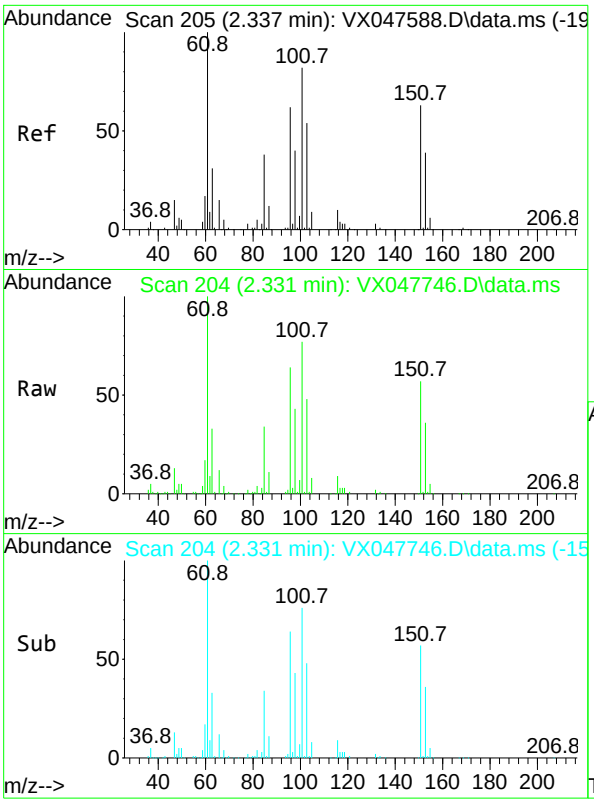



#8
Diethyl Ether
Concen: 53.244 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 74 Resp: 71840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.8 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.598 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:101 Resp: 10915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.4 | 35.5 | 53.3 |
| 151 | 72.1 | 59.4 | 89.0 |

**Instrument :**
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VSTDCCC050

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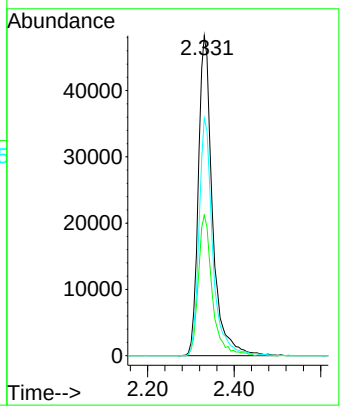
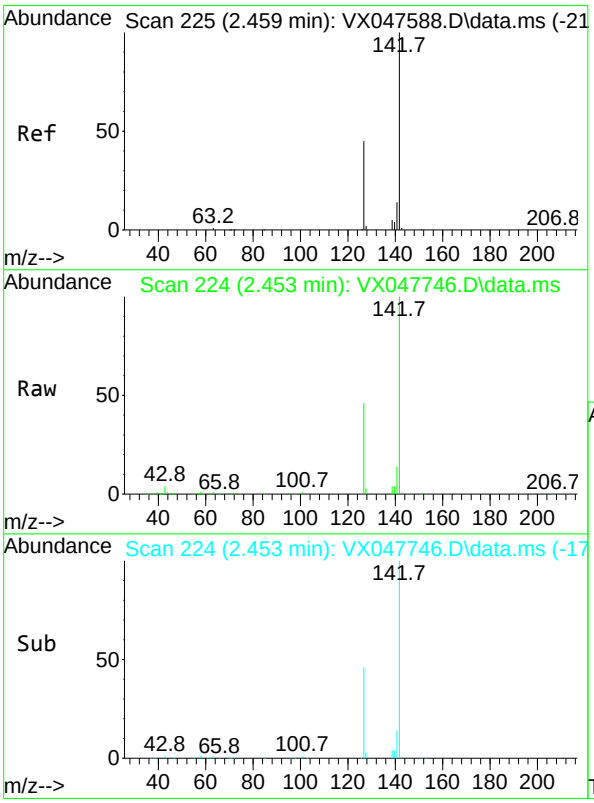
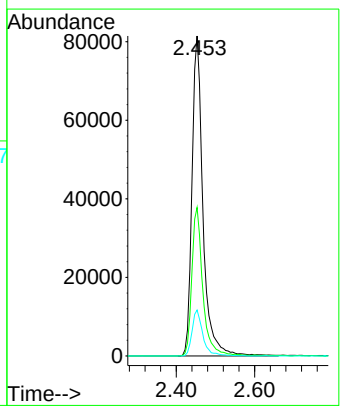


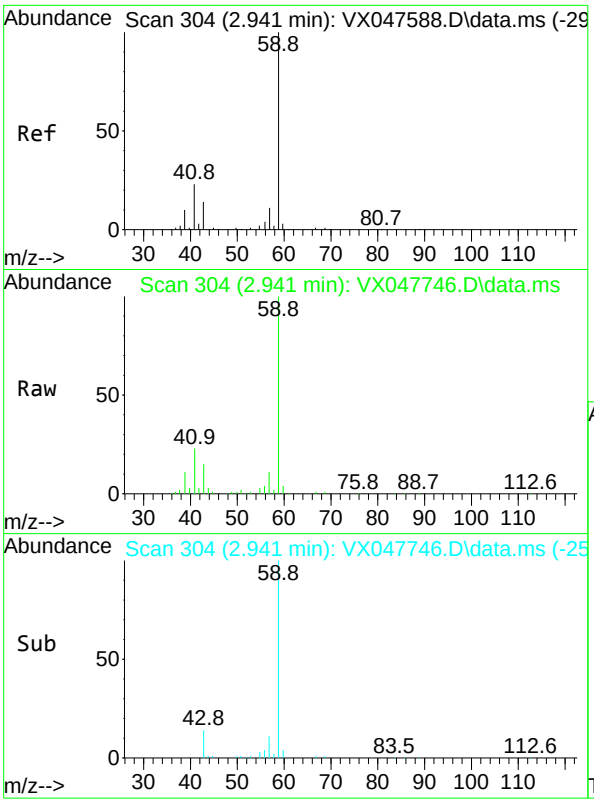




#10
Methyl Iodide
Concen: 53.098 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:142 Resp: 159713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |

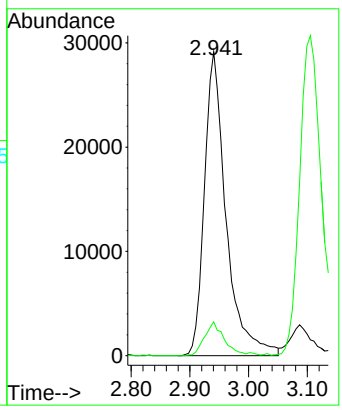





#11
Tert butyl alcohol
Concen: 252.518 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 59 Resp: 7464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |




**Instrument :**
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VSTDCCC050

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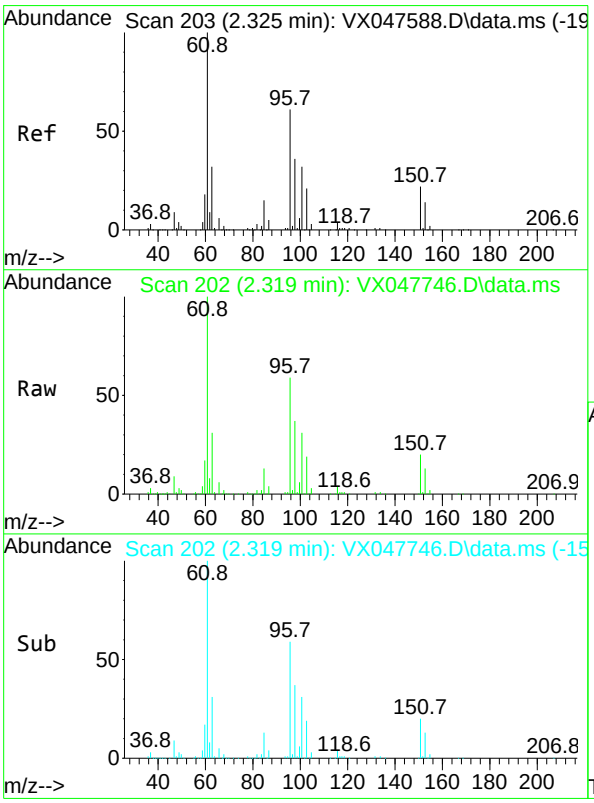
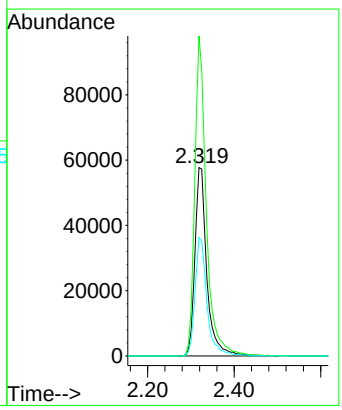
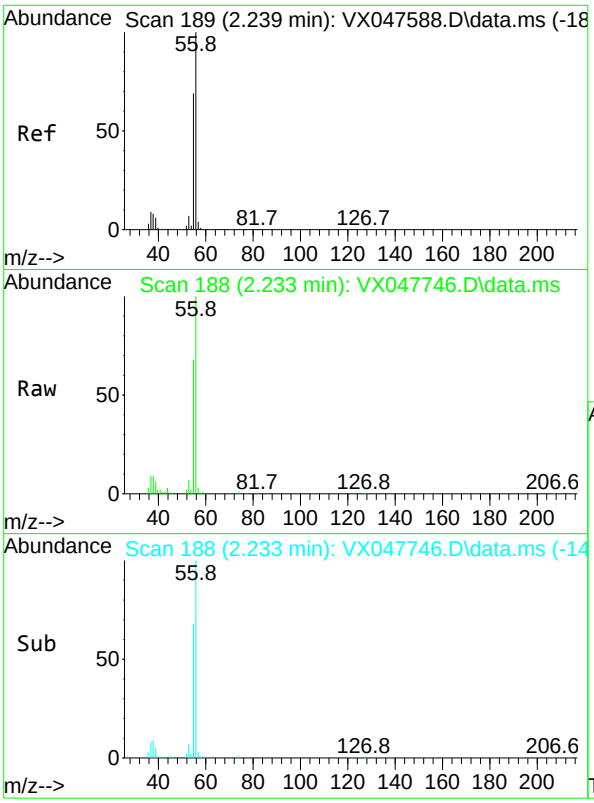



#12
1,1-Dichloroethene
Concen: 55.777 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 96 Resp: 110500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.9 | 131.0 | 196.6 |
| 98 | 62.9 | 47.7 | 71.5 |

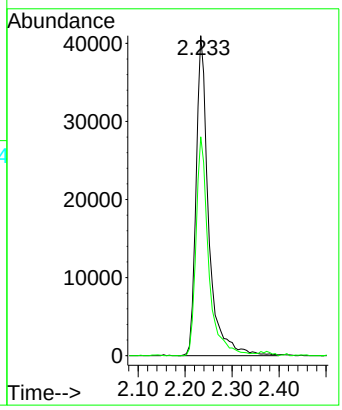





#13
Acrolein
Concen: 280.037 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 56 Resp: 7628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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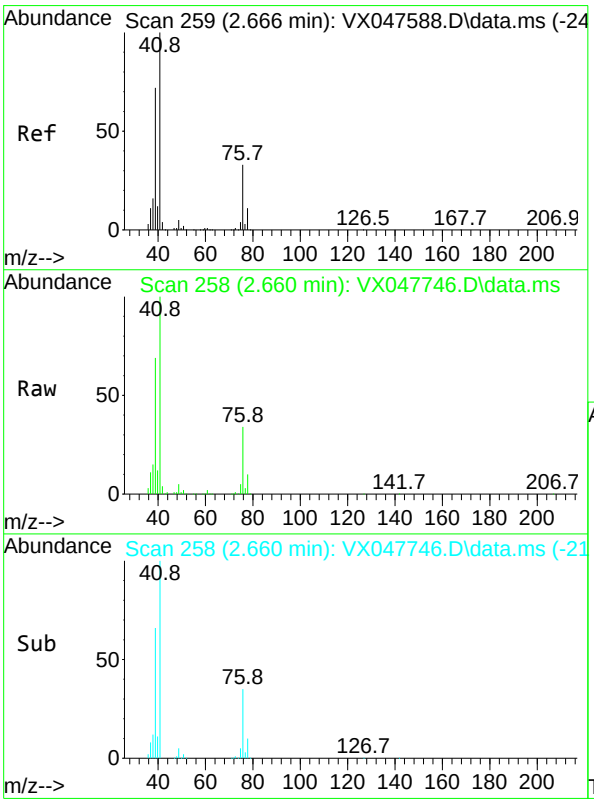
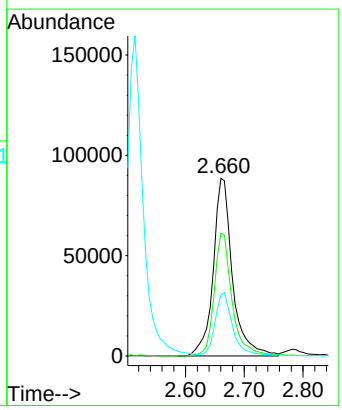
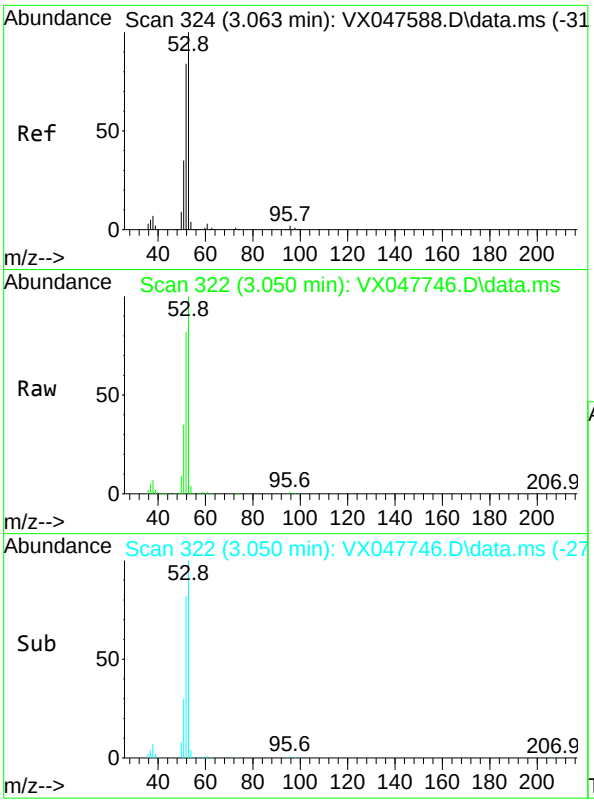



#14
Allyl chloride
Concen: 49.383 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 41 Resp: 201882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 64.8 | 54.7 | 82.1 |
| 76 | 32.5 | 25.7 | 38.5 |

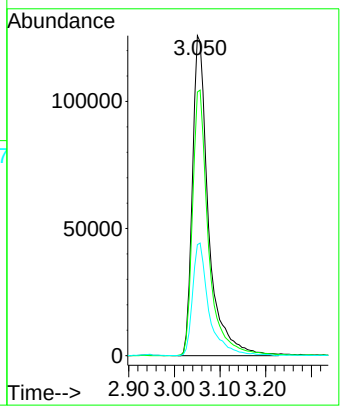





#15
Acrylonitrile
Concen: 281.629 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 53 Resp: 30836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.0 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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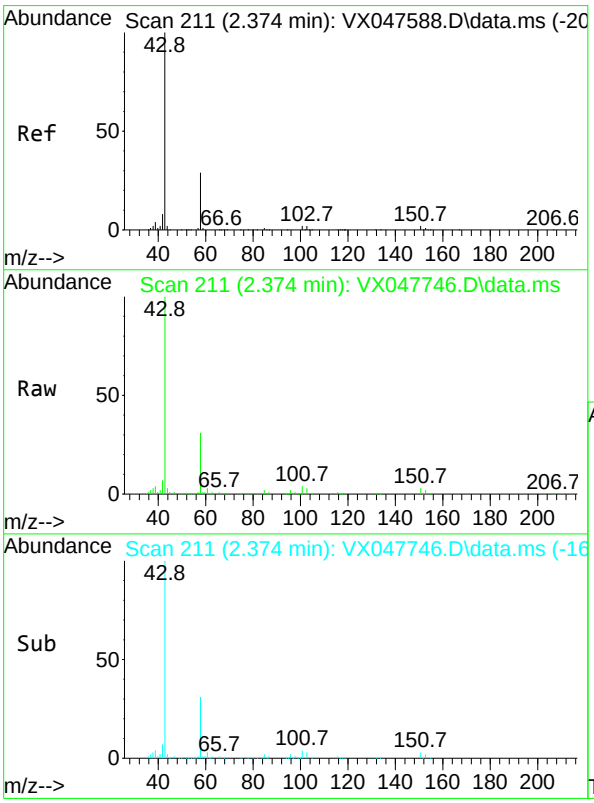
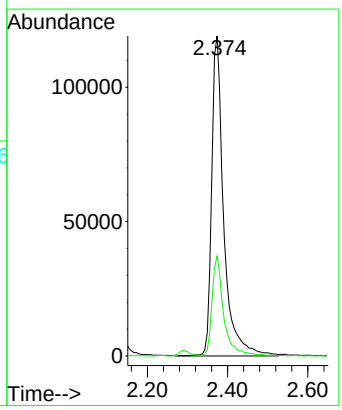
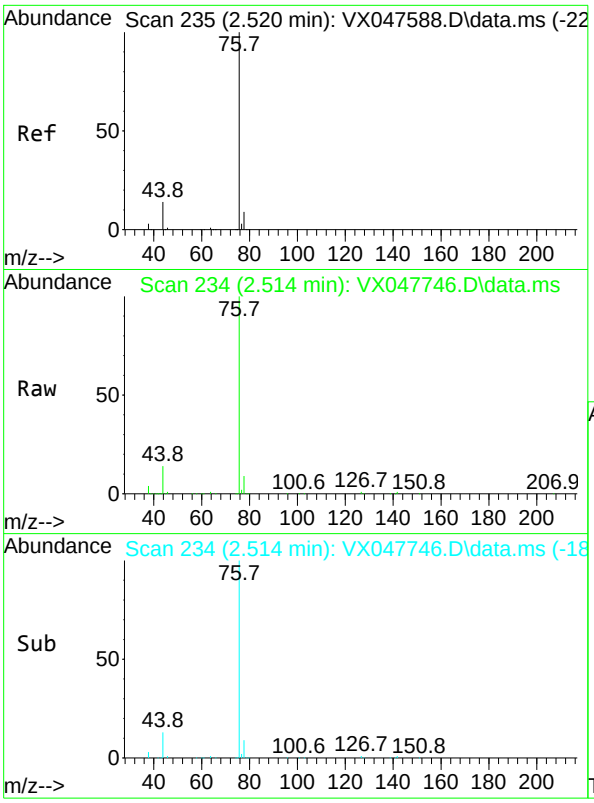



#16
Acetone
Concen: 214.945 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 248054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 23.4 | 35.0 |

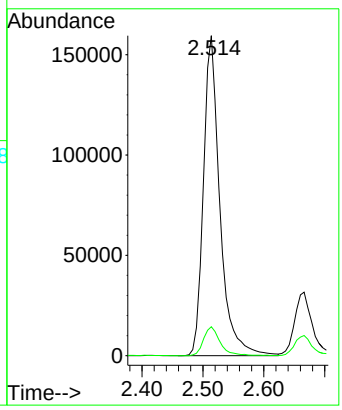





#17
Carbon Disulfide
Concen: 55.218 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 76 Resp: 29947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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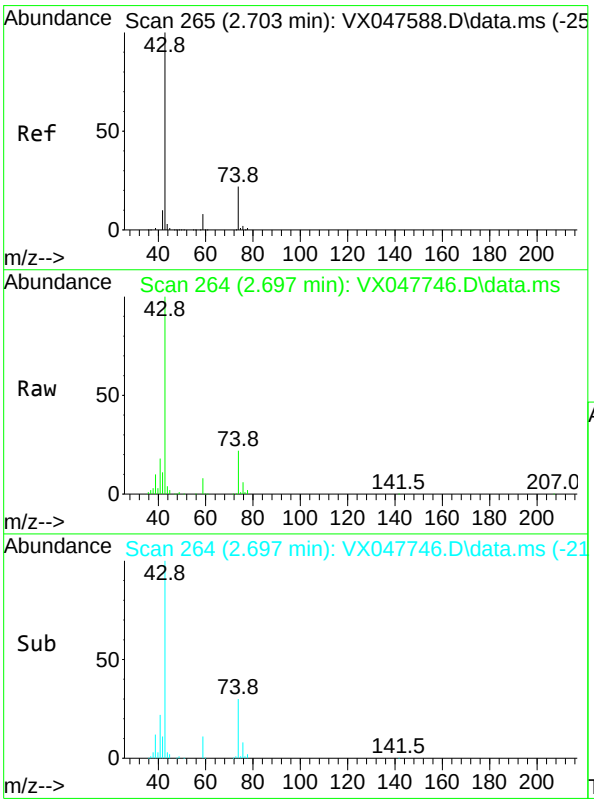
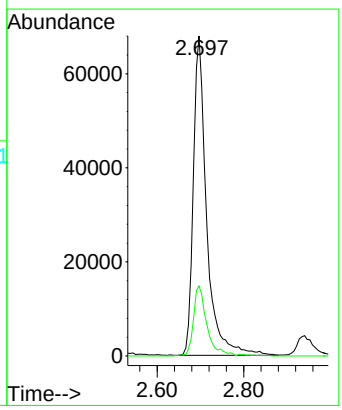
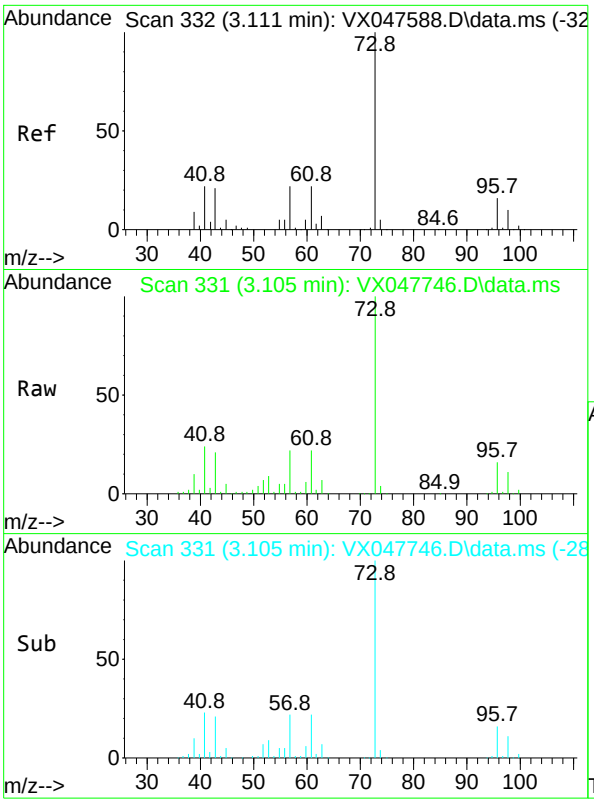



#18
Methyl Acetate
Concen: 56.326 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 144662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 17.4 | 26.2 |

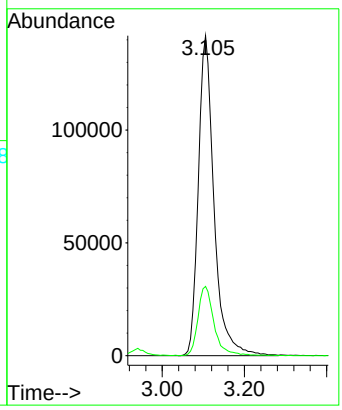





#19
Methyl tert-butyl Ether
Concen: 51.946 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 73 Resp: 37566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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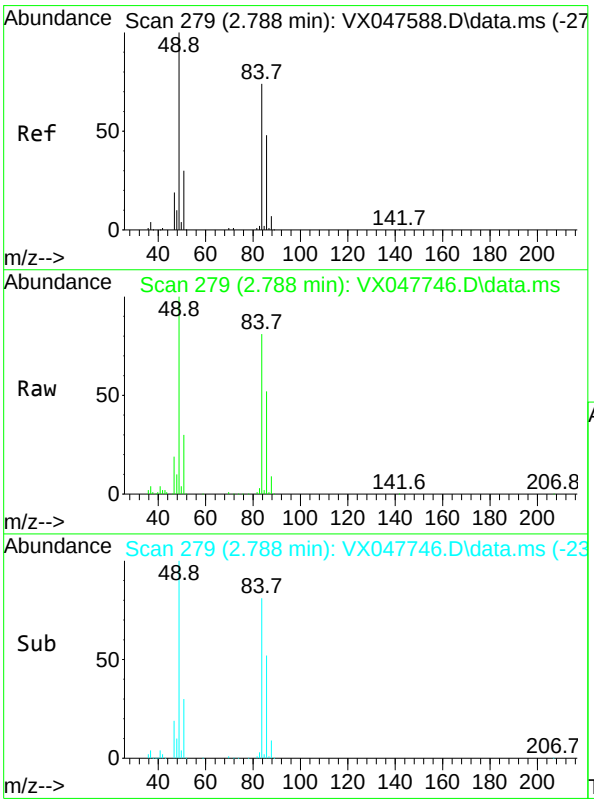
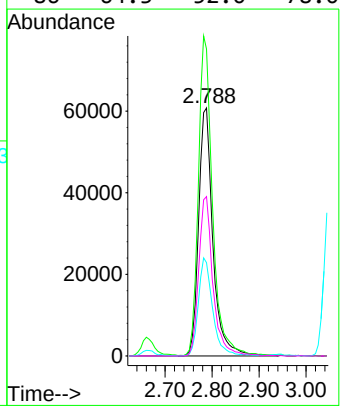
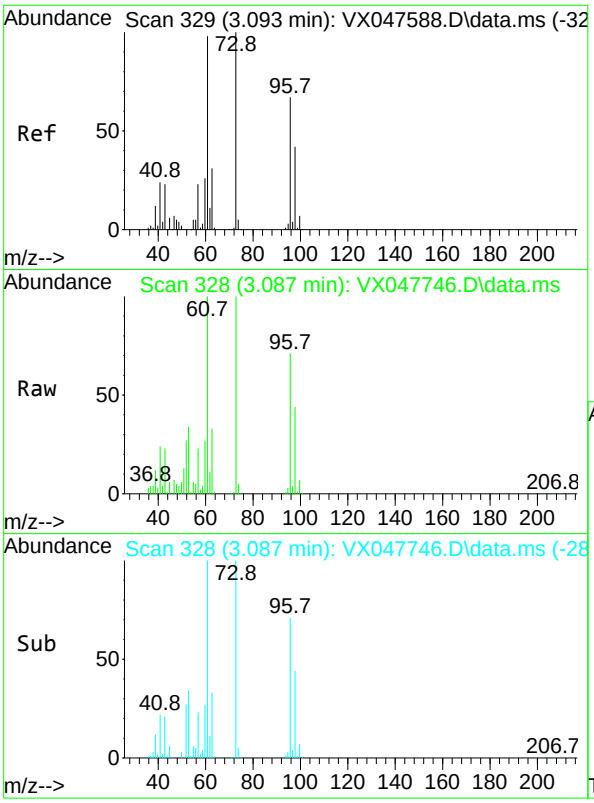



#20
Methylene Chloride
Concen: 52.632 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 84 Resp: 128569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.6 | 108.6 | 162.8 |
| 51 | 37.5 | 32.6 | 48.8 |
| 86 | 64.3 | 52.0 | 78.0 |

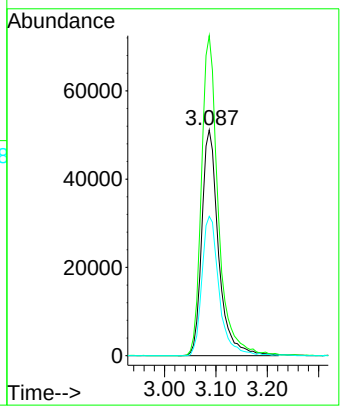





#21
trans-1,2-Dichloroethene
Concen: 54.315 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 96 Resp: 11584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.7 | 116.2 | 174.2 |
| 98 | 61.7 | 49.3 | 73.9 |




**Instrument :**
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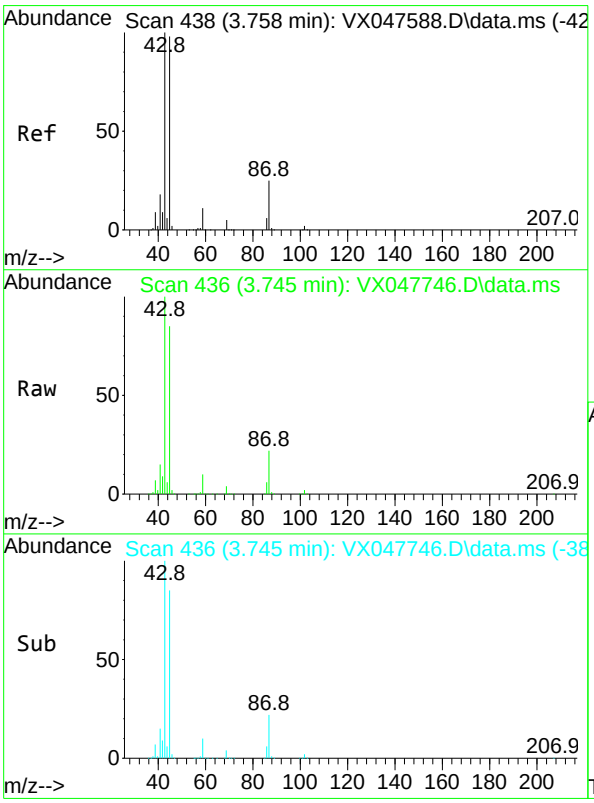
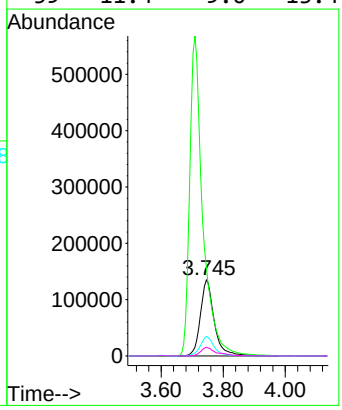
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

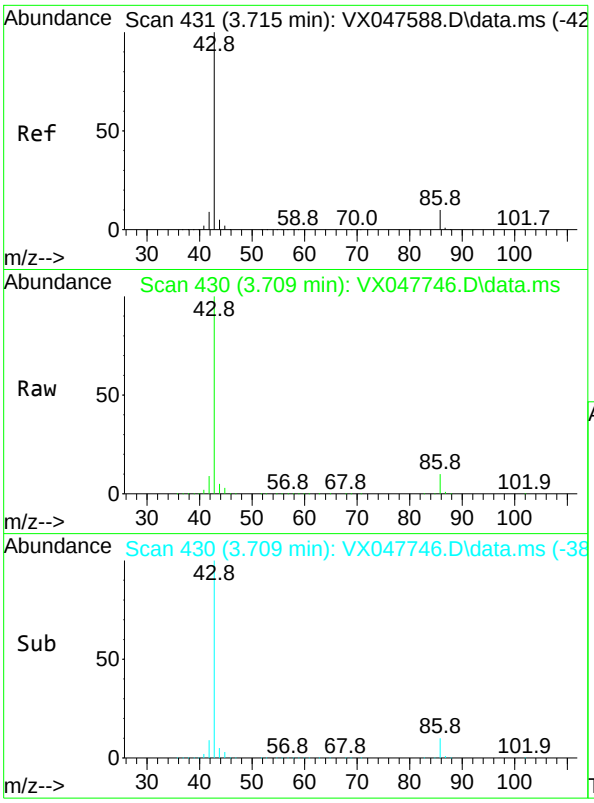



#22
Diisopropyl ether
Concen: 52.658 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 45 Resp: 417196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 116.9 | 81.0 | 121.4 |
| 87 | 25.7 | 20.3 | 30.5 |
| 59 | 11.4 | 9.0 | 13.4 |

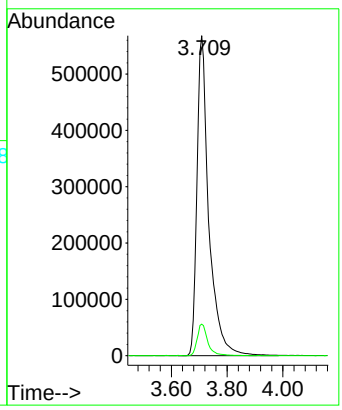





#23
Vinyl Acetate
Concen: 264.433 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 167676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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Reviewed By :John Carlone 09/24/2025
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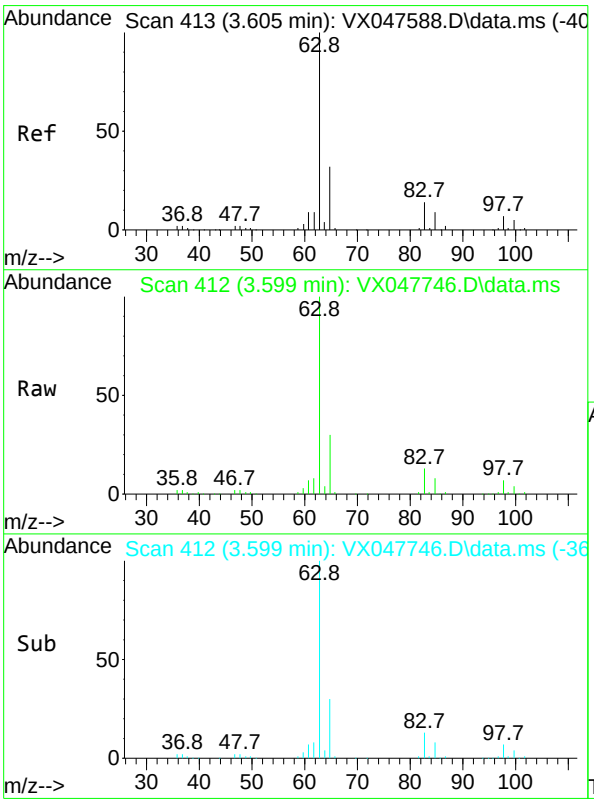
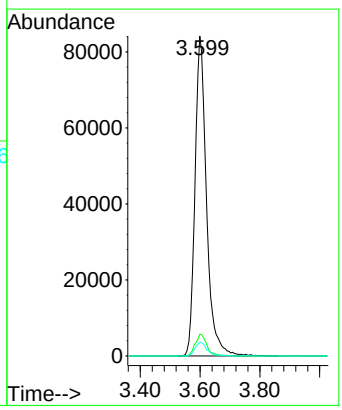
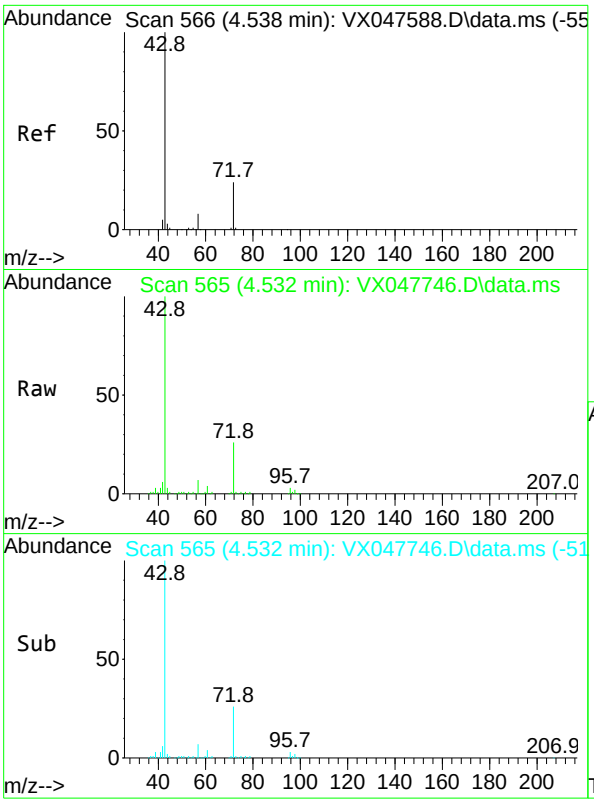



#24
1,1-Dichloroethane
Concen: 53.426 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 63 Resp: 224981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 253.647 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 36512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 20.1 | 30.1 |

**Instrument :**
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VSTDCCC050

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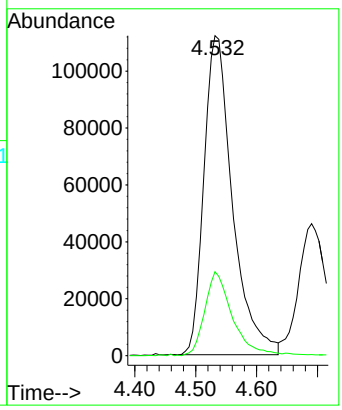
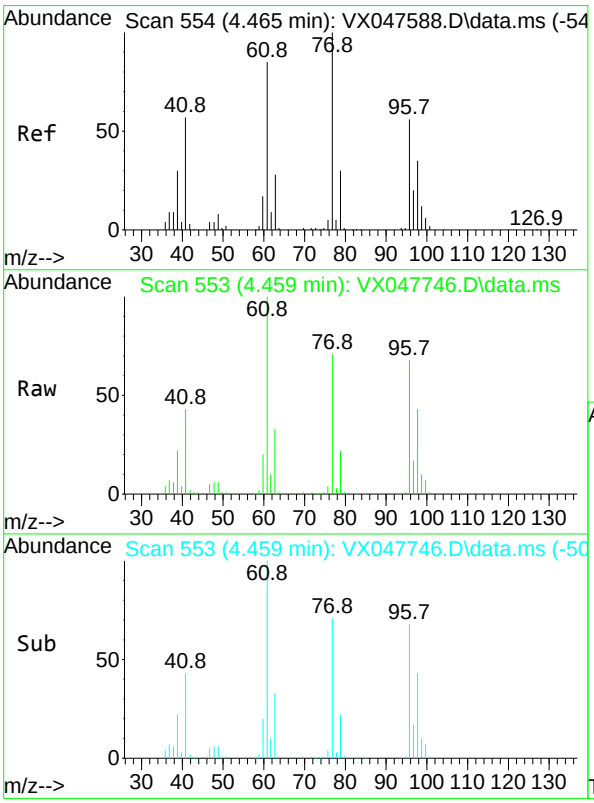
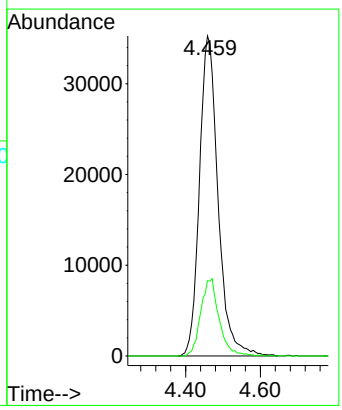


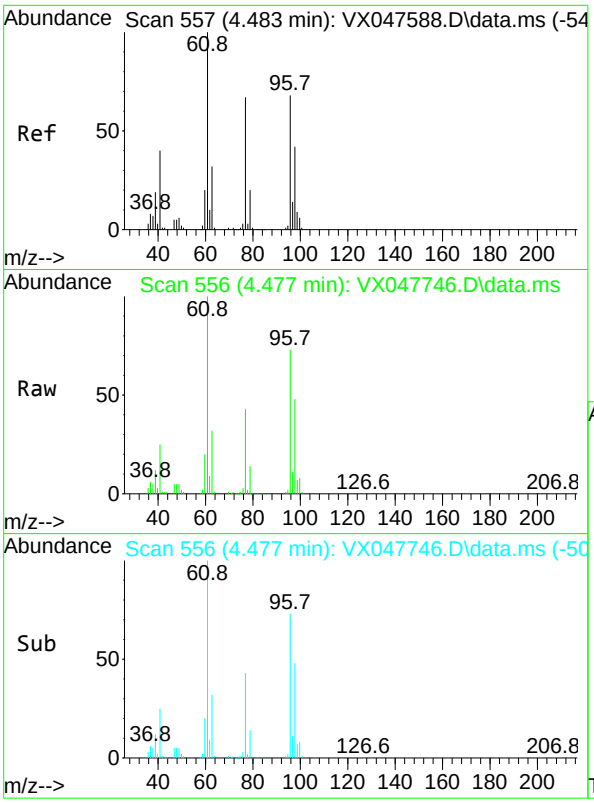




#26
2,2-Dichloropropane
Concen: 34.769 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 77 Resp: 121706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.7 | 10.9 | 32.7 |

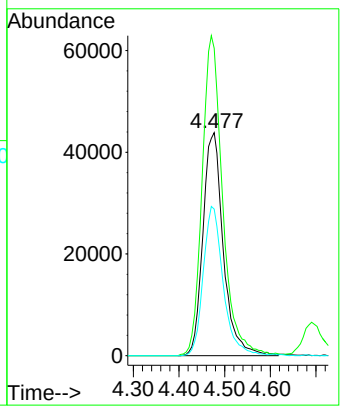





#27
cis-1,2-Dichloroethene
Concen: 52.016 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 96 Resp: 13587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 0.0 | 303.2 |
| 98 | 65.3 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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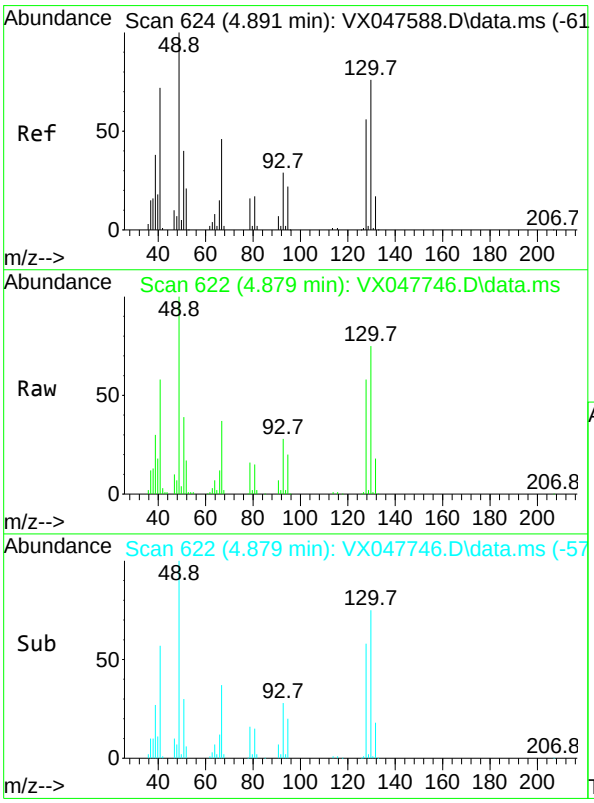
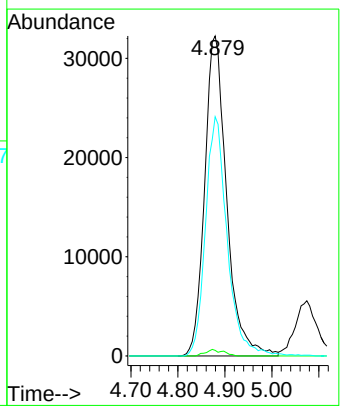
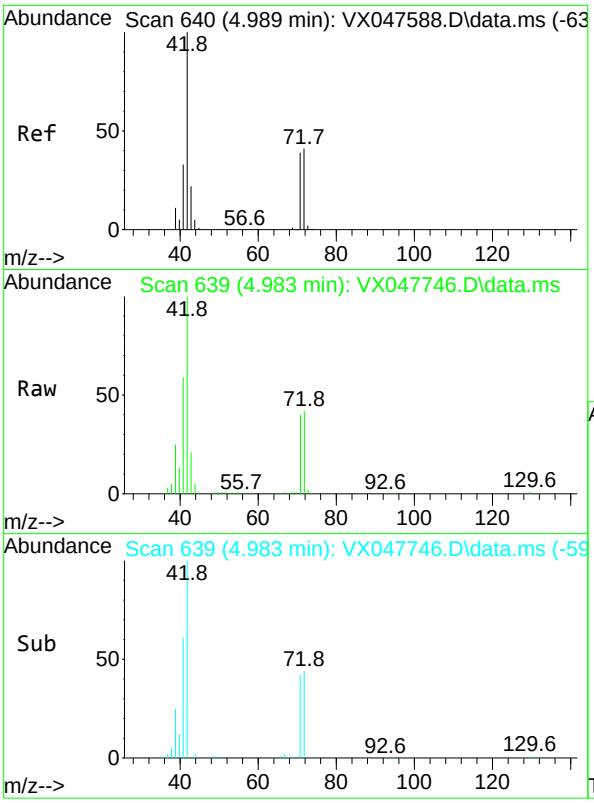



#28
Bromochloromethane
Concen: 57.010 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 49 Resp: 104808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 3.2 |
| 130 | 73.8 | 57.8 | 86.8 |

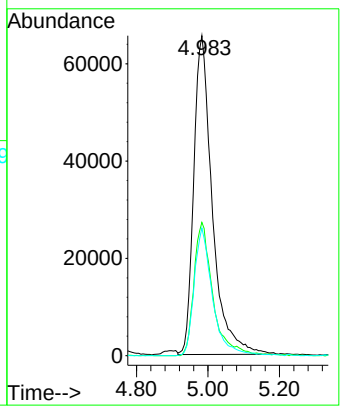





#29
Tetrahydrofuran
Concen: 272.674 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 42 Resp: 23613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 34.2 | 51.2 |
| 71 | 39.6 | 31.9 | 47.9 |




**Instrument :**
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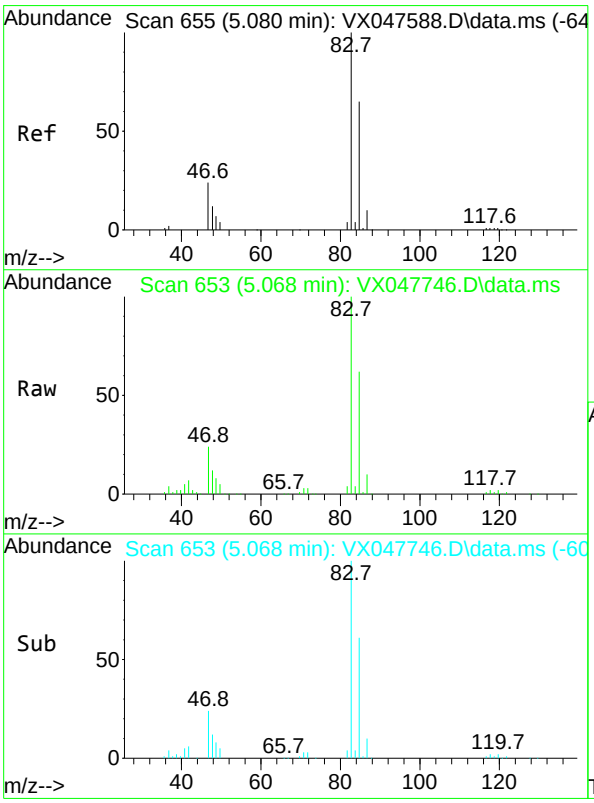
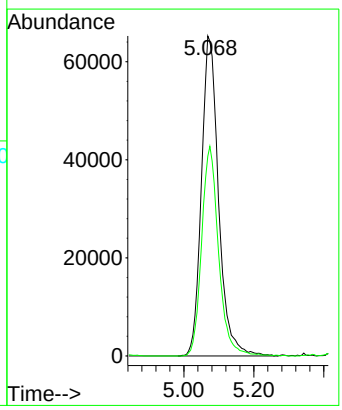
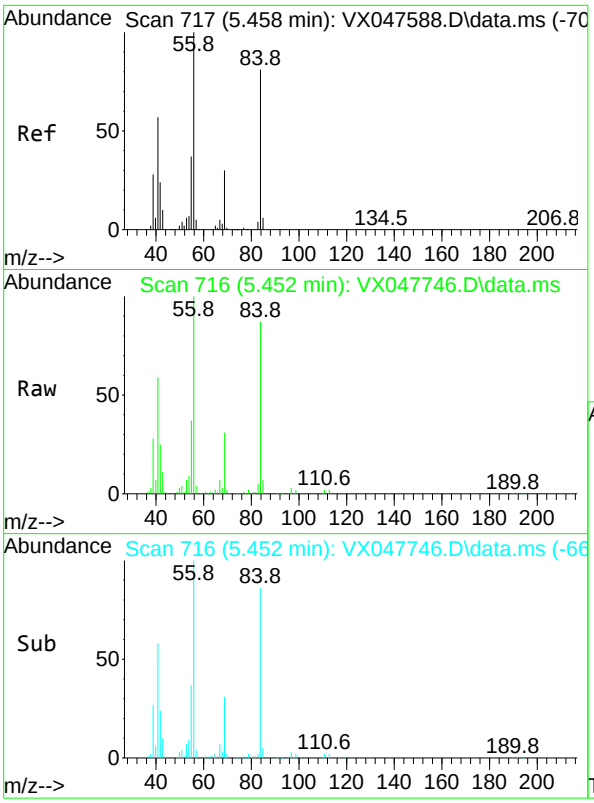



#30
Chloroform
Concen: 52.050 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 83 Resp: 221493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 51.8 | 77.6 |

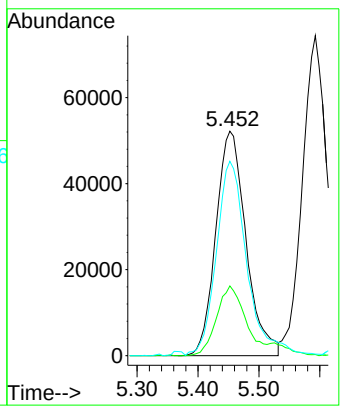





#31
Cyclohexane
Concen: 51.224 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 56 Resp: 17965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 23.8 | 35.8 |
| 84 | 84.7 | 64.6 | 97.0 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050

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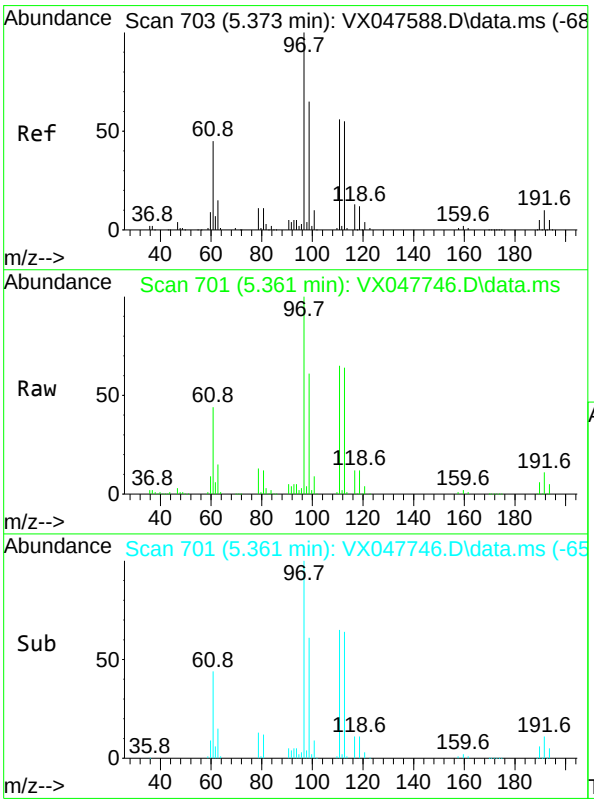
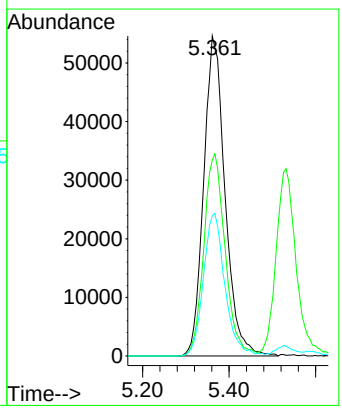
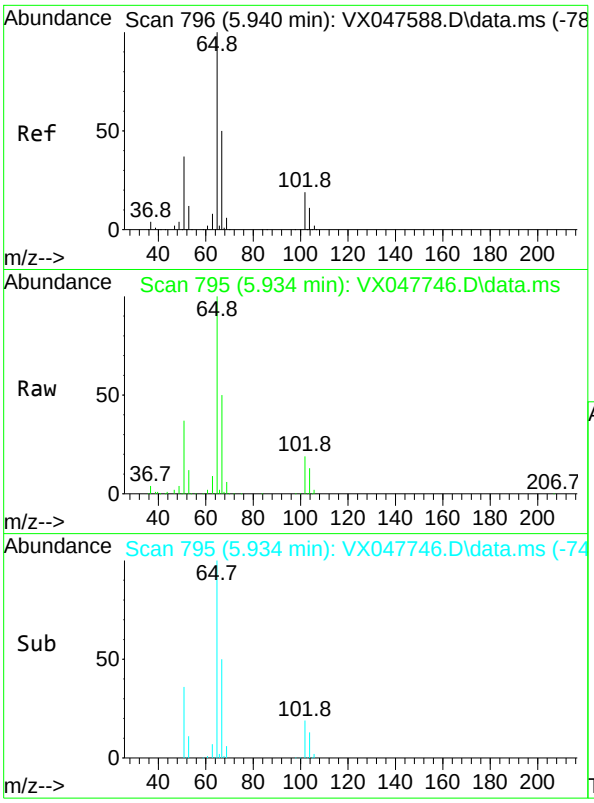



#32
1,1,1-Trichloroethane
Concen: 51.890 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 97 Resp: 187296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 50.6 | 76.0 |
| 61 | 44.8 | 35.8 | 53.8 |






#33
1,2-Dichloroethane-d4
Concen: 54.210 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 65 Resp: 14388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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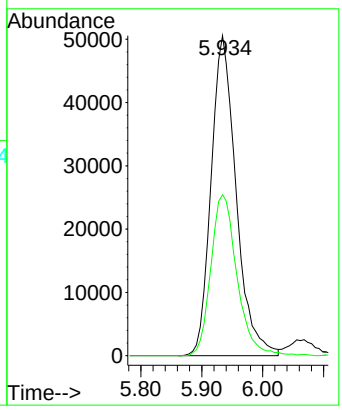
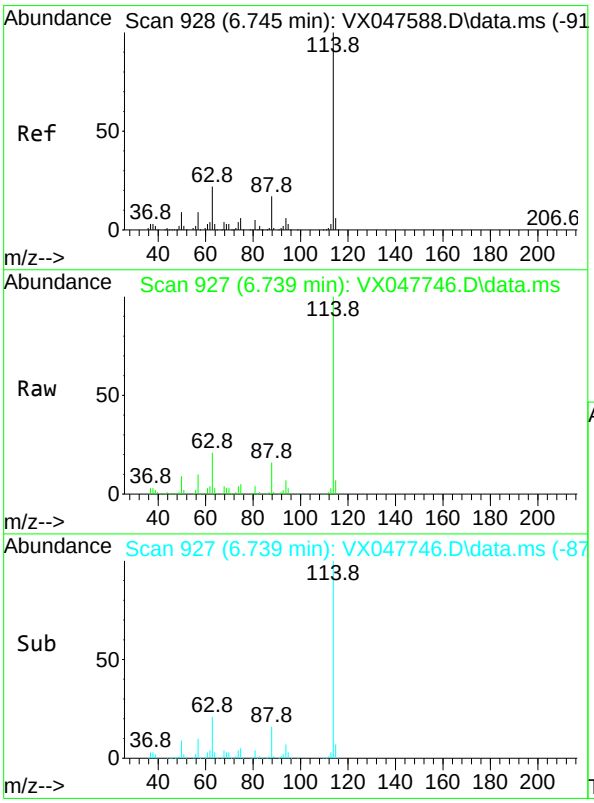
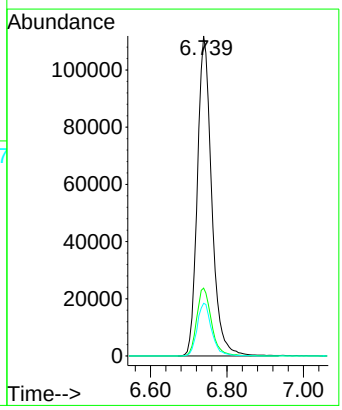


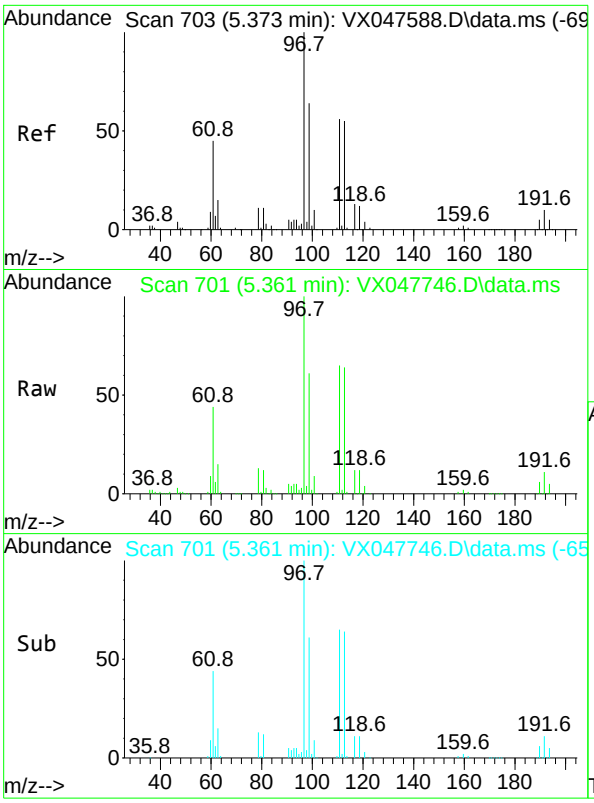




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:114 Resp: 290663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |

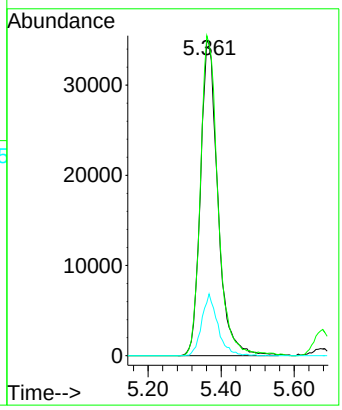





#35
Dibromofluoromethane
Concen: 59.312 ug/l
RT: 5.361 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:113 Resp: 11562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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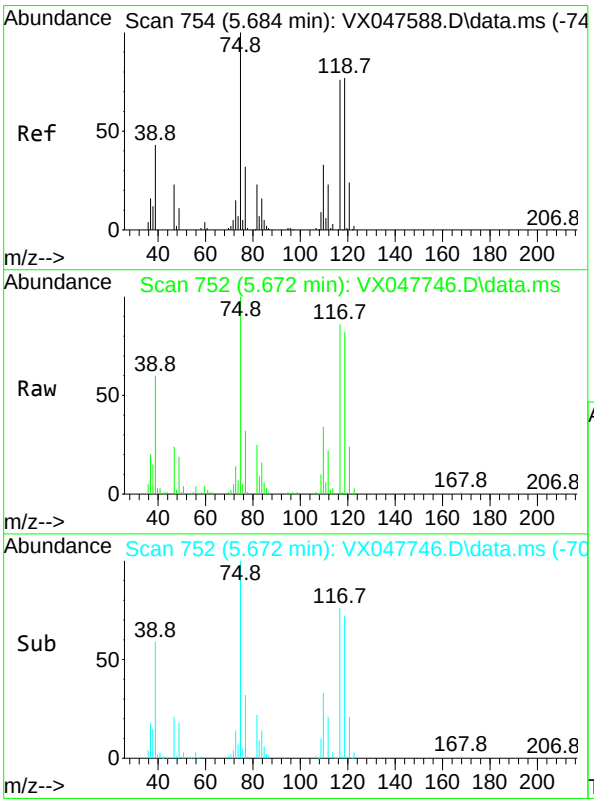
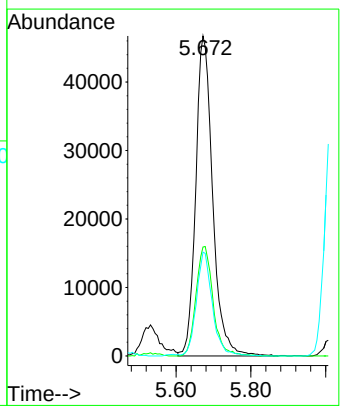
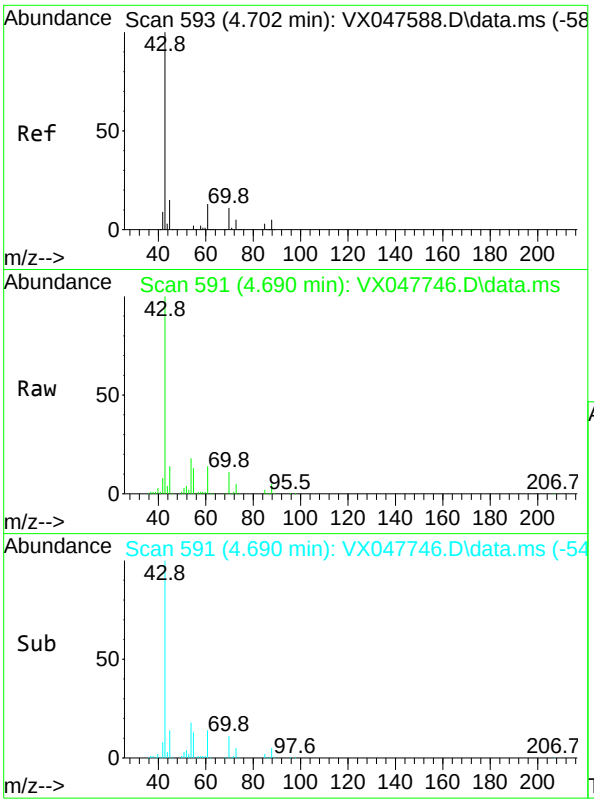



#36
1,1-Dichloropropene
Concen: 51.432 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 146503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 30.3 | 24.3 | 36.5 |

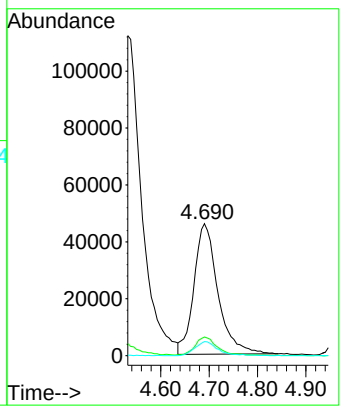





#37
Ethyl Acetate
Concen: 51.660 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 15755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 9.8 | 14.8 |
| 70 | 10.4 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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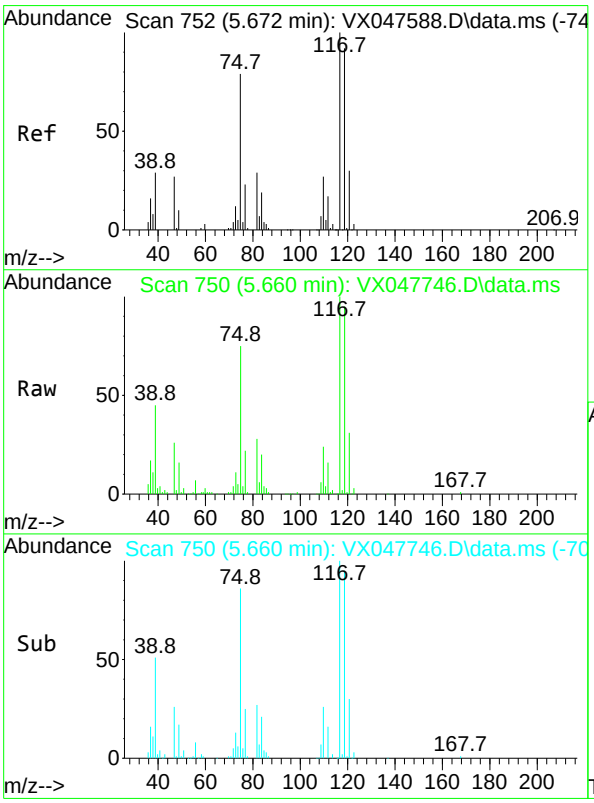
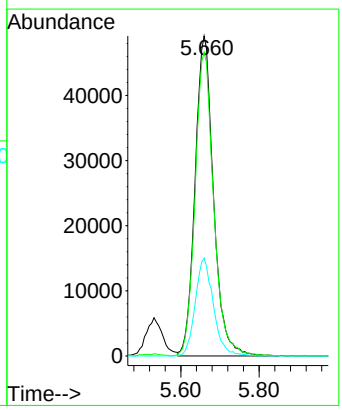
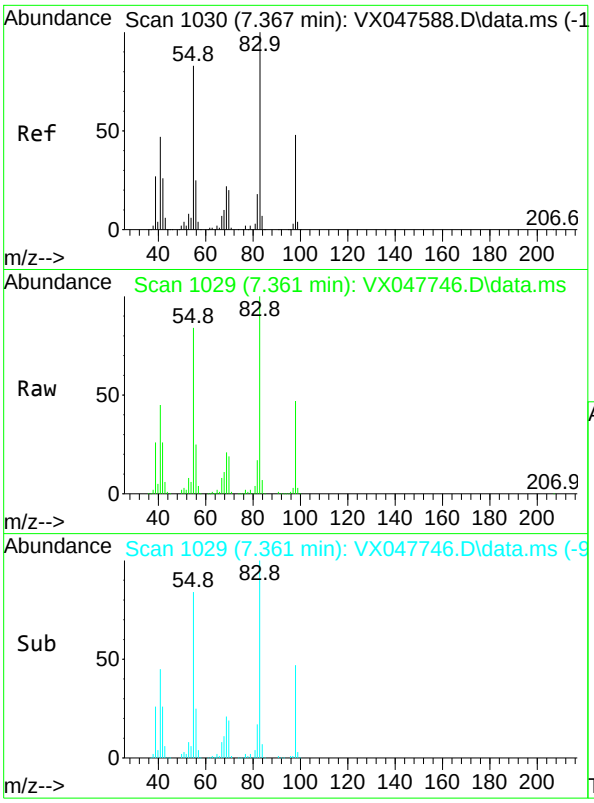



#38
Carbon Tetrachloride
Concen: 51.986 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:117 Resp: 160891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 73.4 | 110.2 |
| 121 | 30.6 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 51.777 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 83 Resp: 16741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.5 | 66.4 | 99.6 |
| 98 | 46.6 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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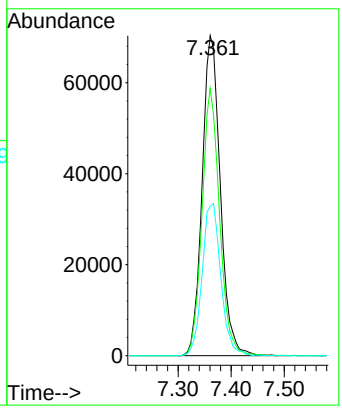
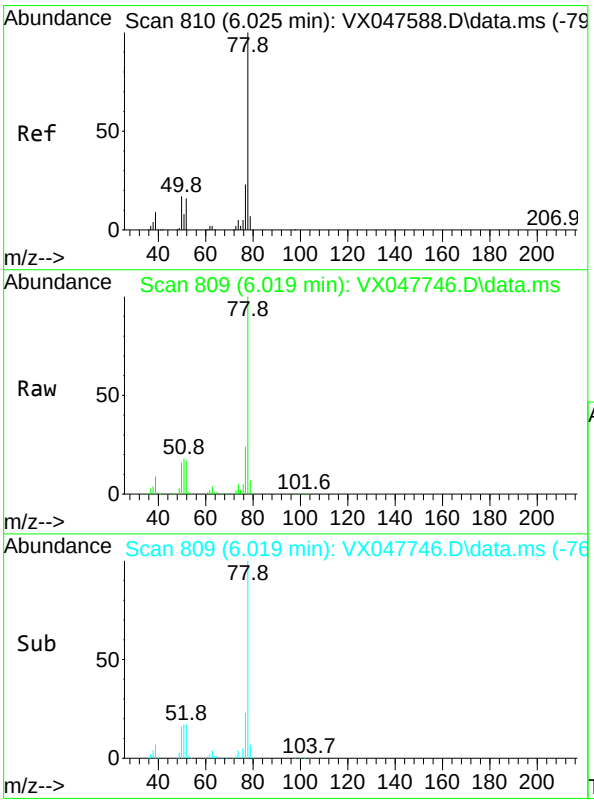
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

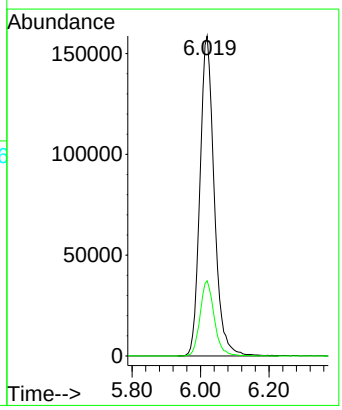


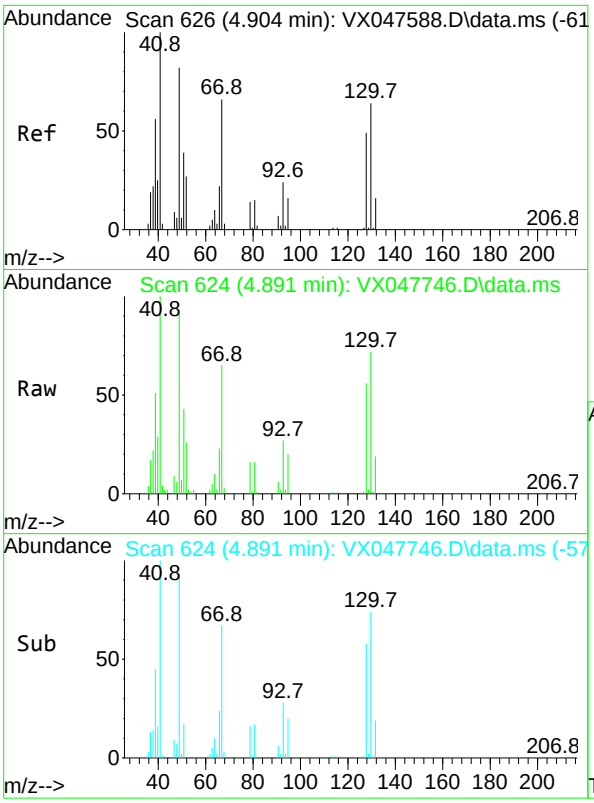




#40
Benzene
Concen: 53.223 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 78 Resp: 460455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |

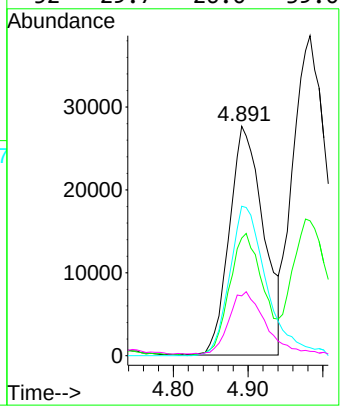





#41
Methacrylonitrile
Concen: 55.742 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 41 Resp: 8776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.4 | 43.3 | 64.9 |
| 67 | 70.6 | 58.6 | 87.8 |
| 52 | 29.7 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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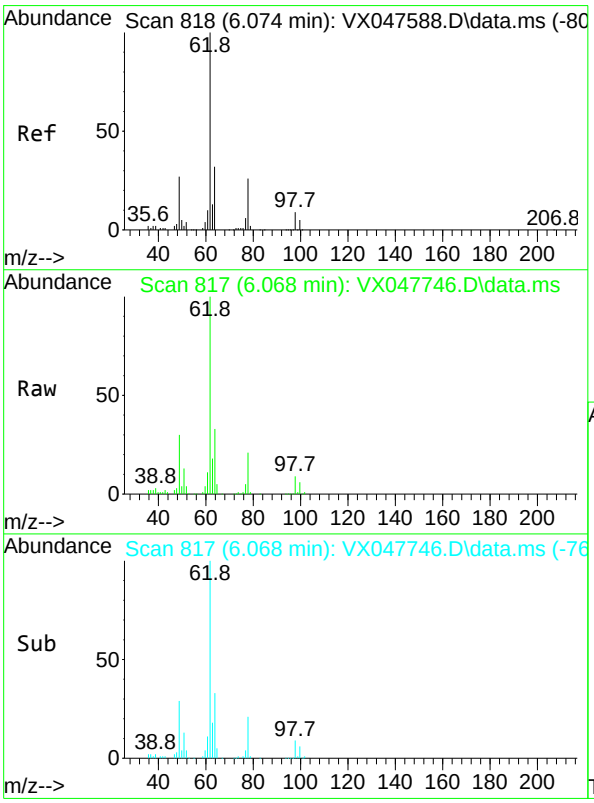
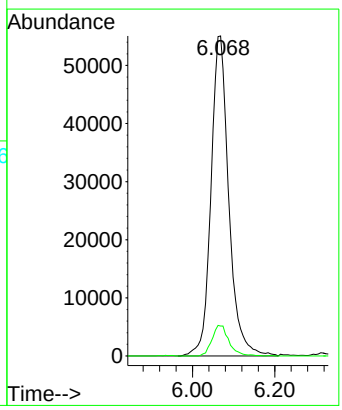
Supervised By :Mahesh Dadoda 09/26/2025

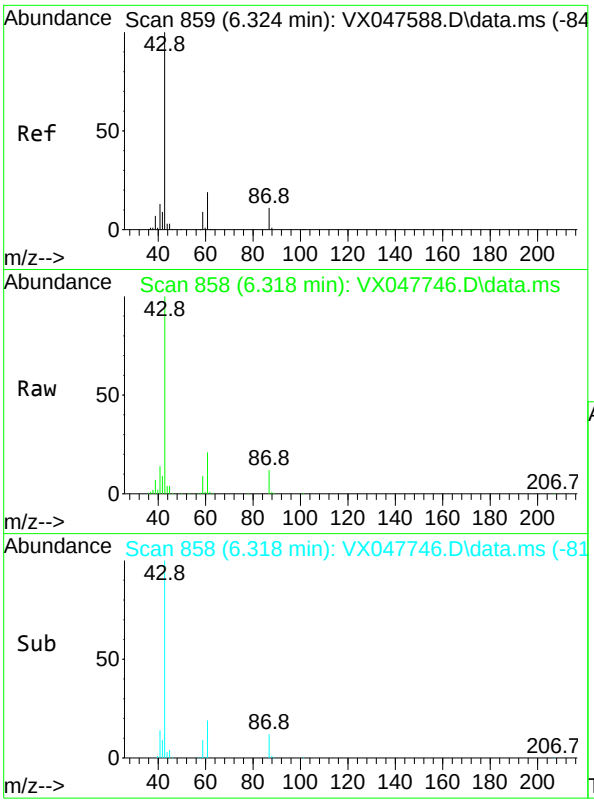



#42
1,2-Dichloroethane
Concen: 50.209 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 62 Resp: 165276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.0 |

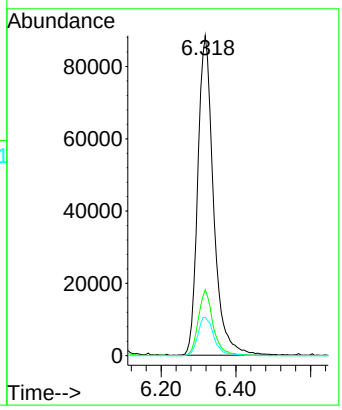





#43
Isopropyl Acetate
Concen: 51.528 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 25774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.2 | 22.8 |
| 87 | 12.4 | 9.6 | 14.4 |




**Instrument :**
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VSTDCCC050

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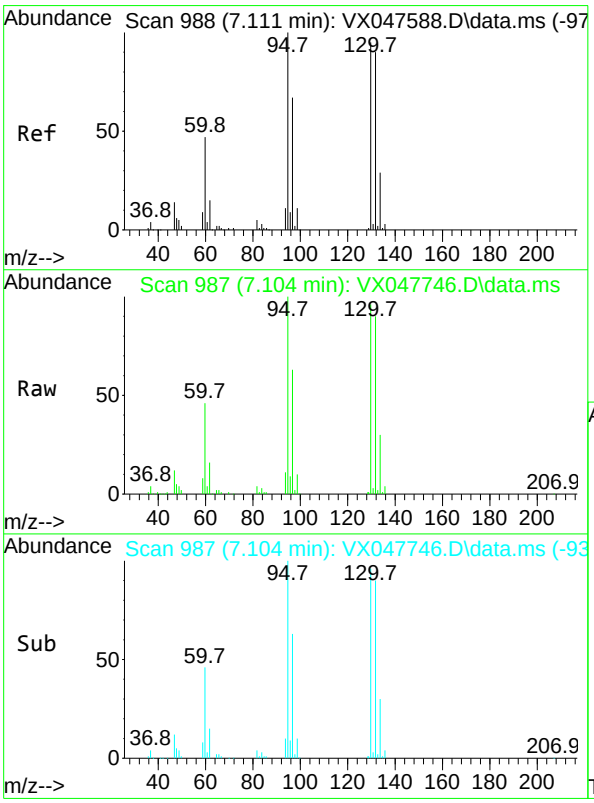
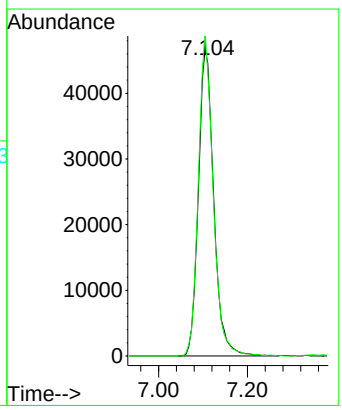
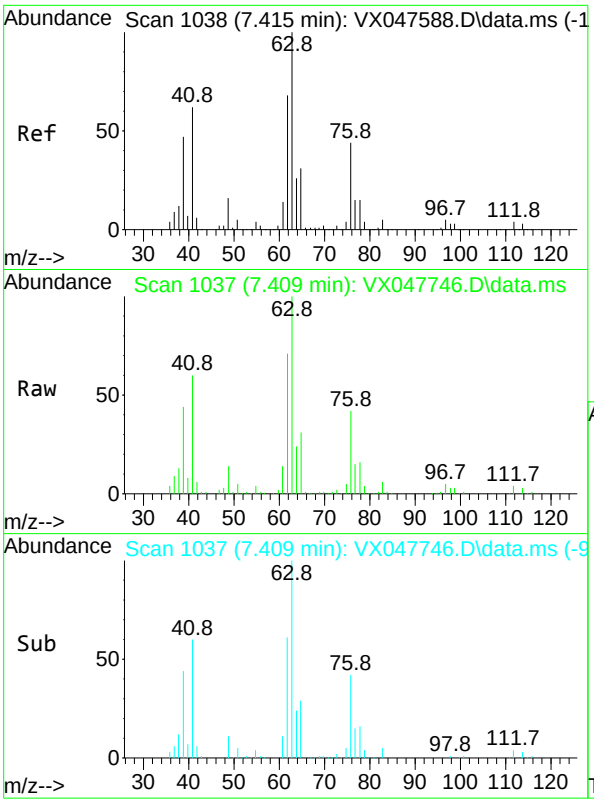



#44
Trichloroethene
Concen: 53.736 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:130 Resp: 112394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.4 | 0.0 | 210.8 |

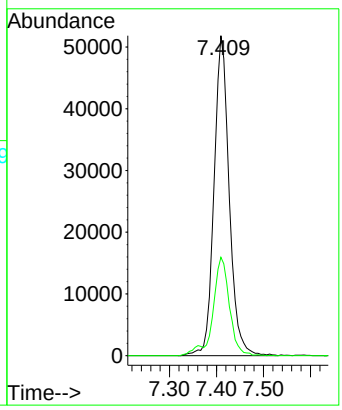





#45
1,2-Dichloropropane
Concen: 52.565 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 63 Resp: 11644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |




**Instrument :**
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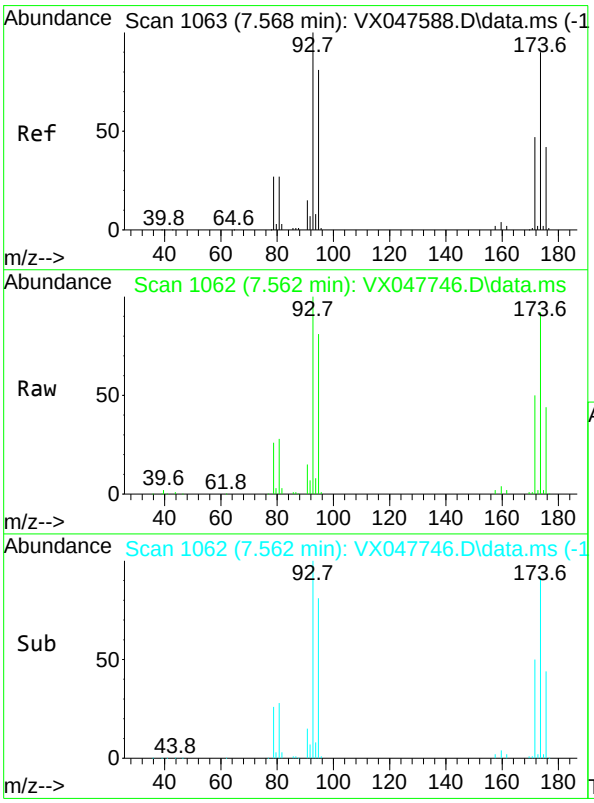
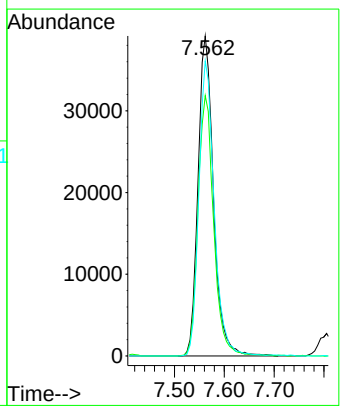
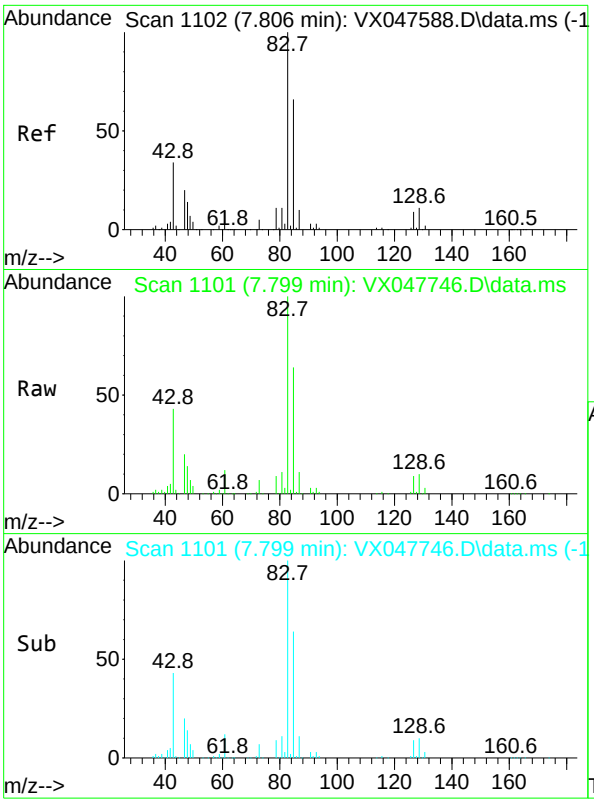



#46
Dibromomethane
Concen: 52.418 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 93 Resp: 84502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.0 | 97.6 |
| 174 | 91.4 | 71.6 | 107.4 |

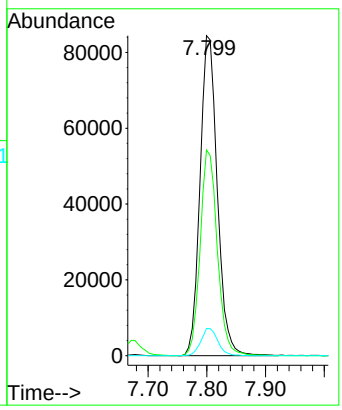





#47
Bromodichloromethane
Concen: 51.915 ug/l
RT: 7.799 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 83 Resp: 17270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 52.5 | 78.7 |
| 127 | 8.5 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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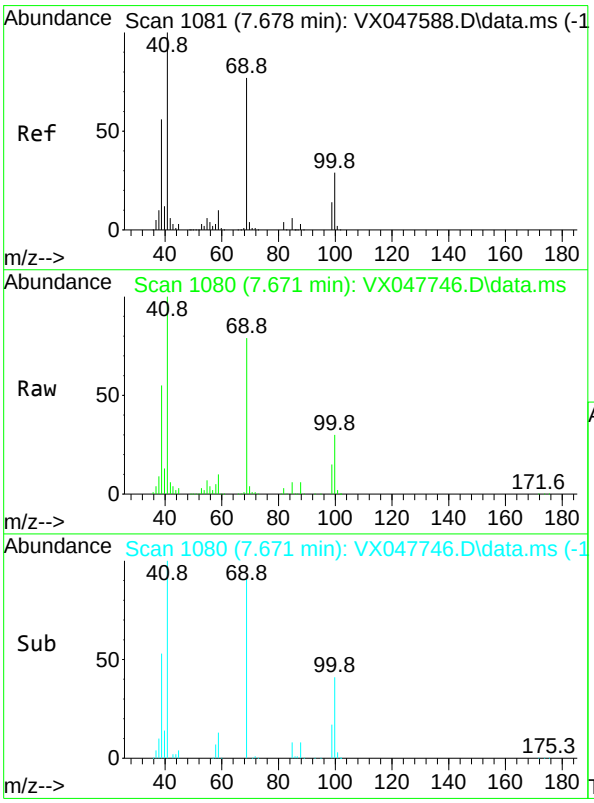
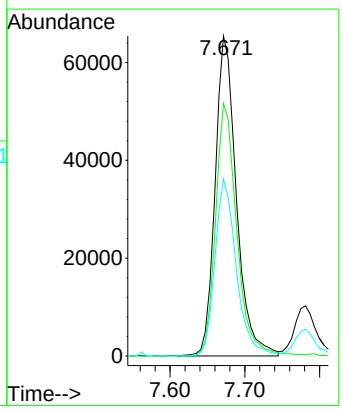
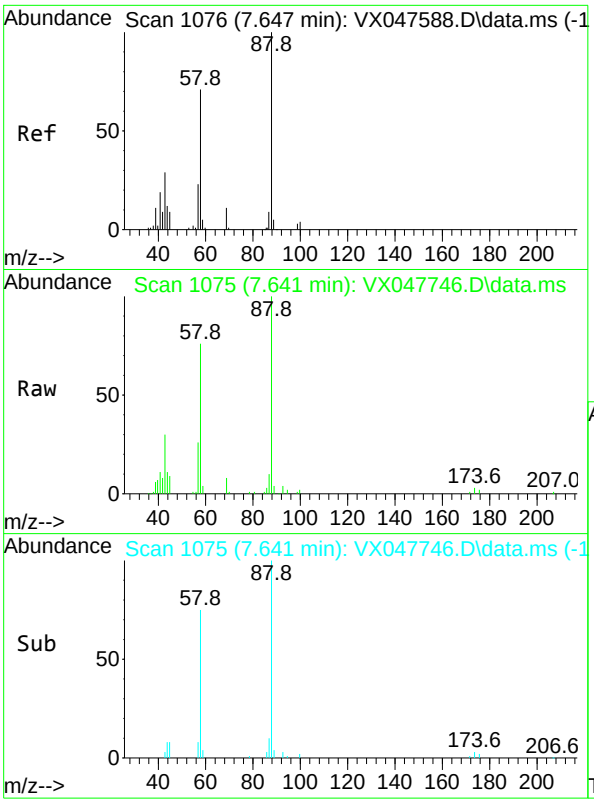



#48
Methyl methacrylate
Concen: 51.974 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 41 Resp: 129497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 61.4 | 92.2 |
| 39 | 55.9 | 45.8 | 68.6 |

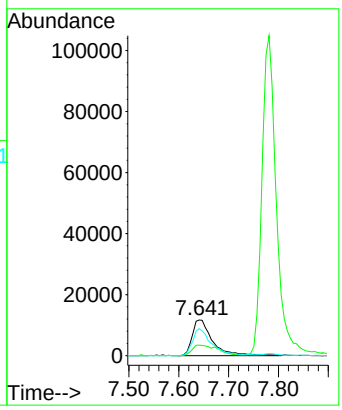





#49
1,4-Dioxane
Concen: 1306.764 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 88 Resp: 3290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.2 | 30.2 | 45.2 |
| 58 | 73.3 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
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VSTDCCC050

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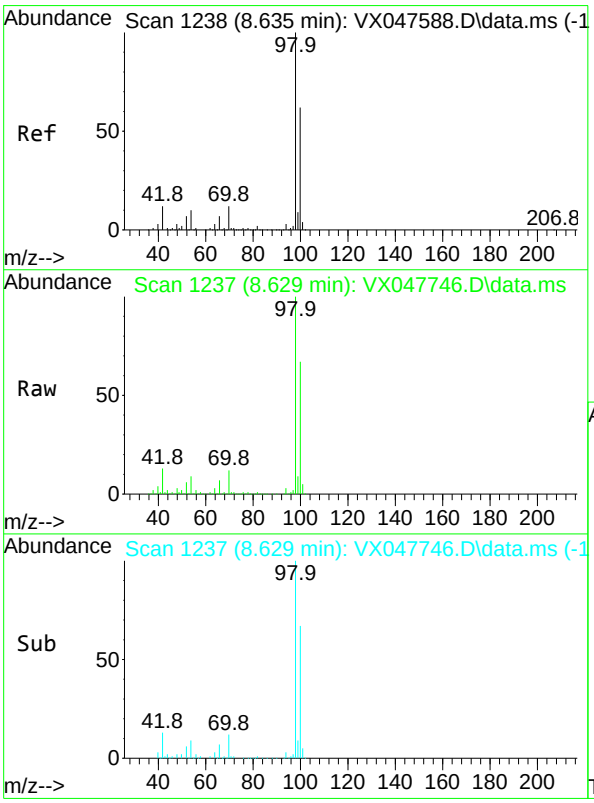
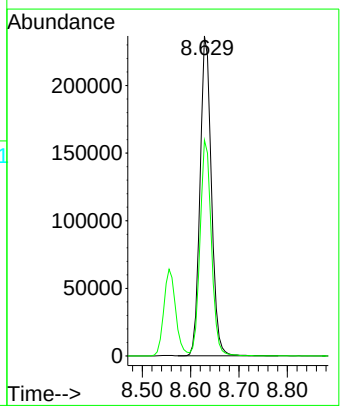
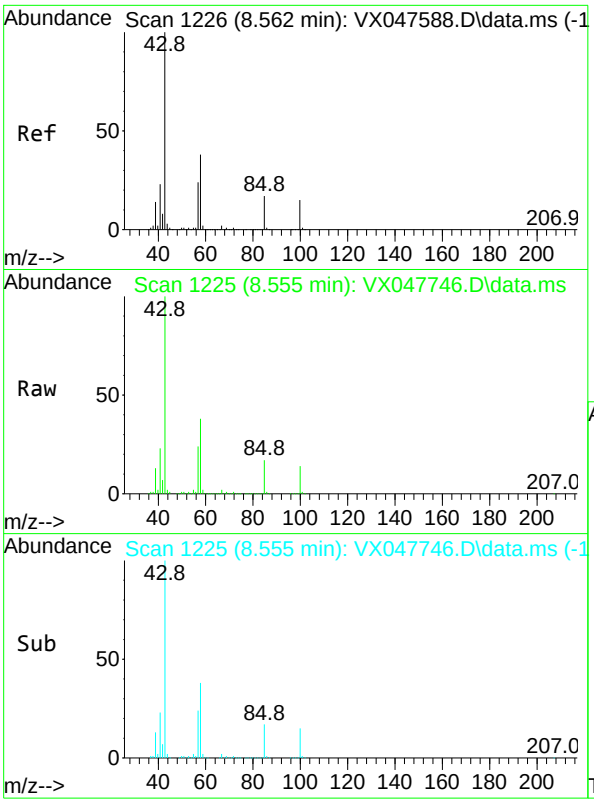



#50
Toluene-d8
Concen: 57.106 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 98 Resp: 385188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |

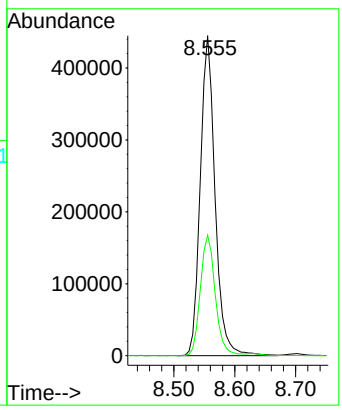





#51
4-Methyl-2-Pentanone
Concen: 270.171 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 74927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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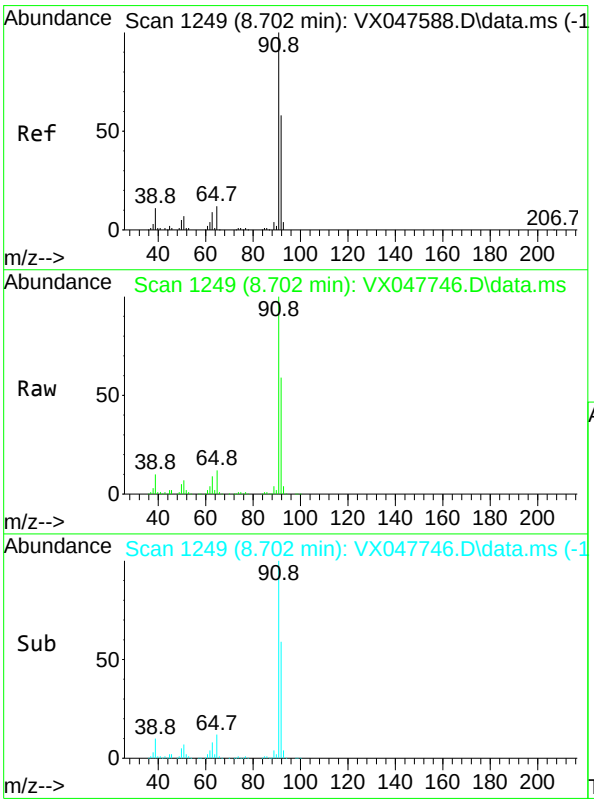
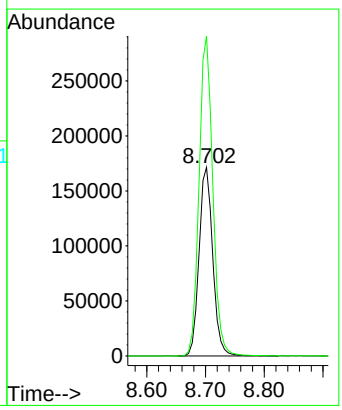
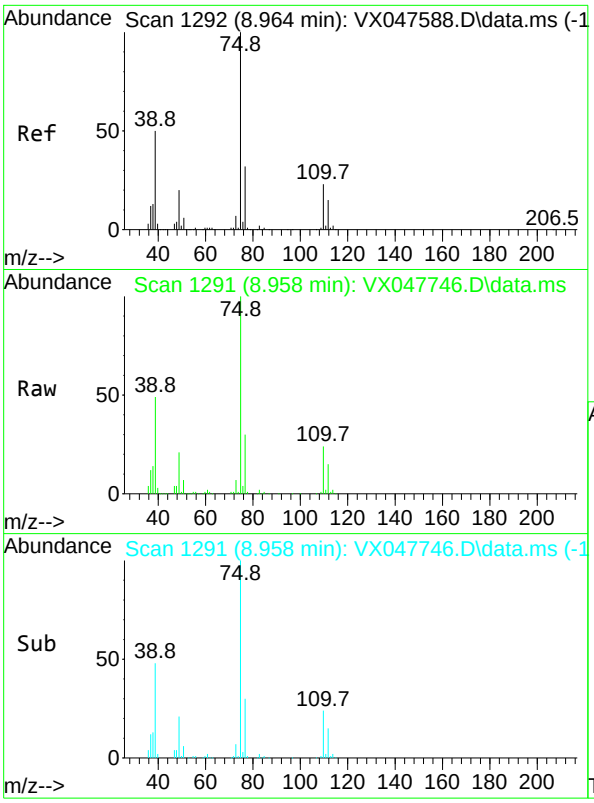



#52
Toluene
Concen: 51.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 92 Resp: 276160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 137.1 | 205.7 |

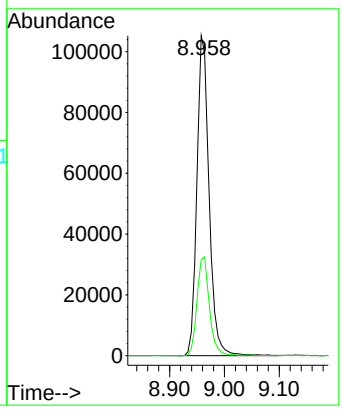





#53
t-1,3-Dichloropropene
Concen: 48.037 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 16300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 25.4 | 38.2 |




**Instrument :**
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**ClientSampleId :**
VSTDCCC050

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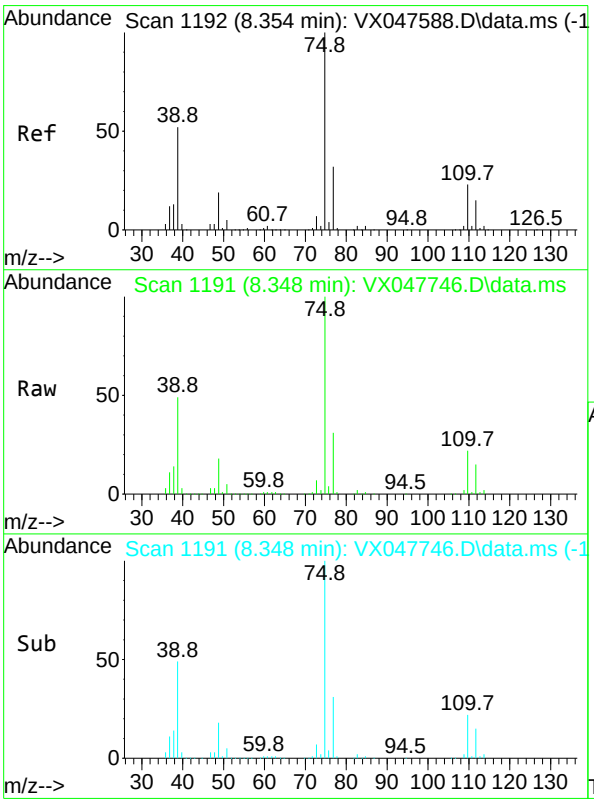
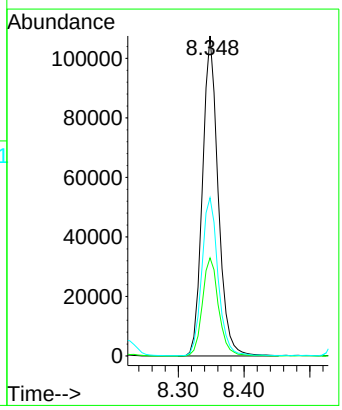
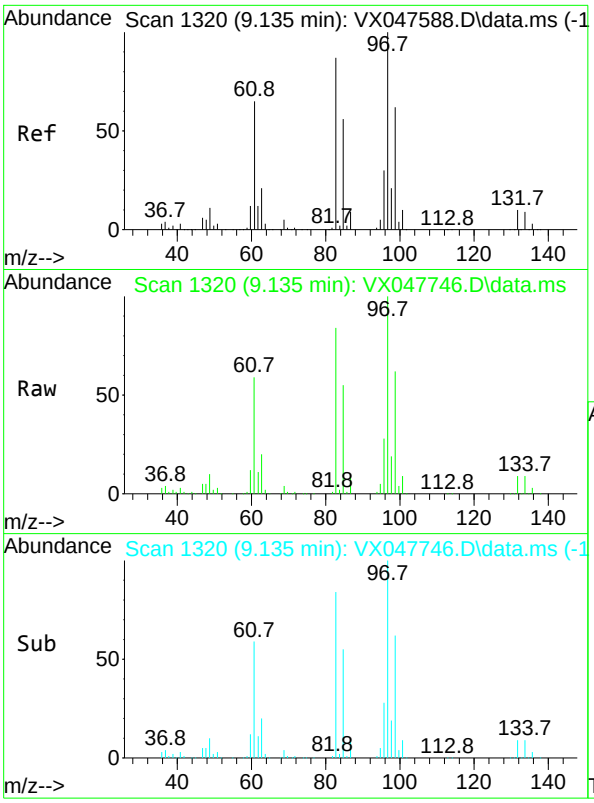



#54
cis-1,3-Dichloropropene
Concen: 49.218 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 178505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.8 | 38.6 |
| 39 | 48.9 | 41.4 | 62.2 |

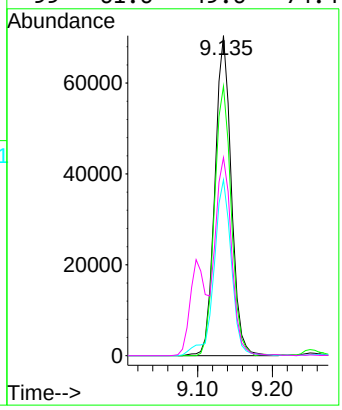





#55
1,1,2-Trichloroethane
Concen: 52.187 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 97 Resp: 10725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.2 | 69.6 | 104.4 |
| 85 | 55.0 | 45.0 | 67.6 |
| 99 | 61.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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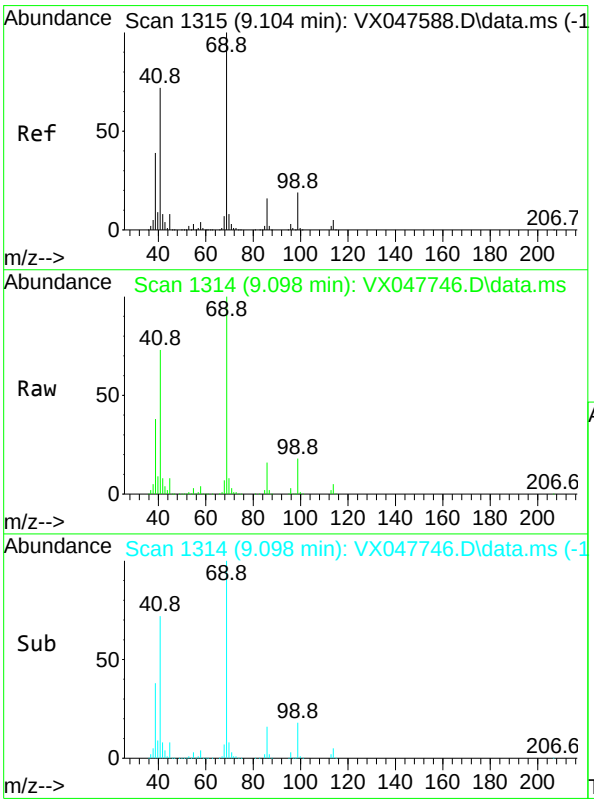
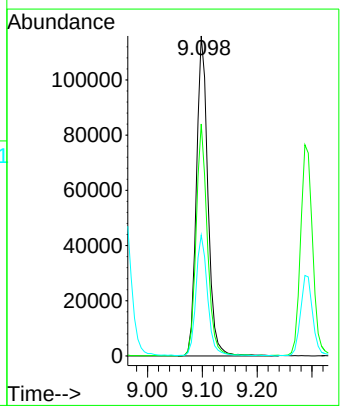
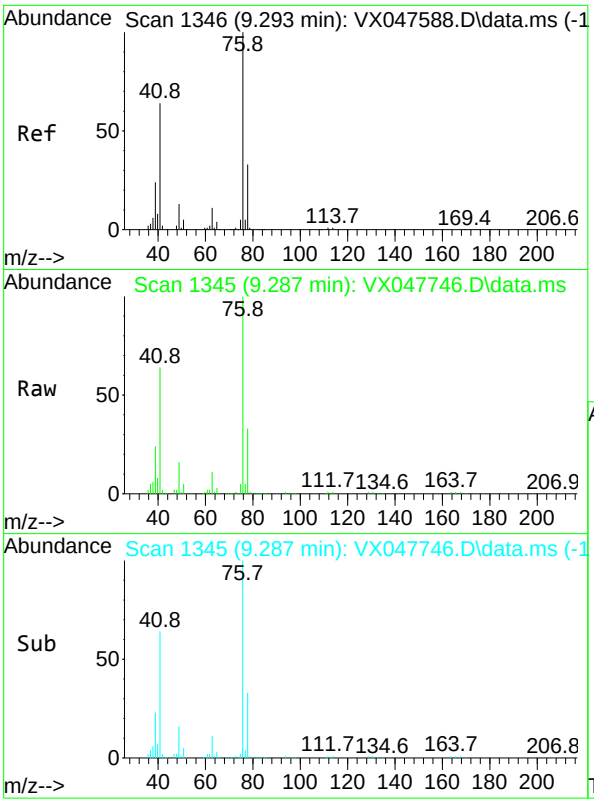



#56
Ethyl methacrylate
Concen: 52.534 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 69 Resp: 169567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 58.6 | 87.8 |
| 39 | 37.8 | 31.5 | 47.3 |






#57
1,3-Dichloropropane
Concen: 52.699 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

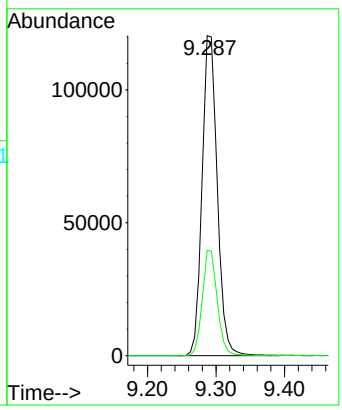
Tgt Ion: 76 Resp: 18606

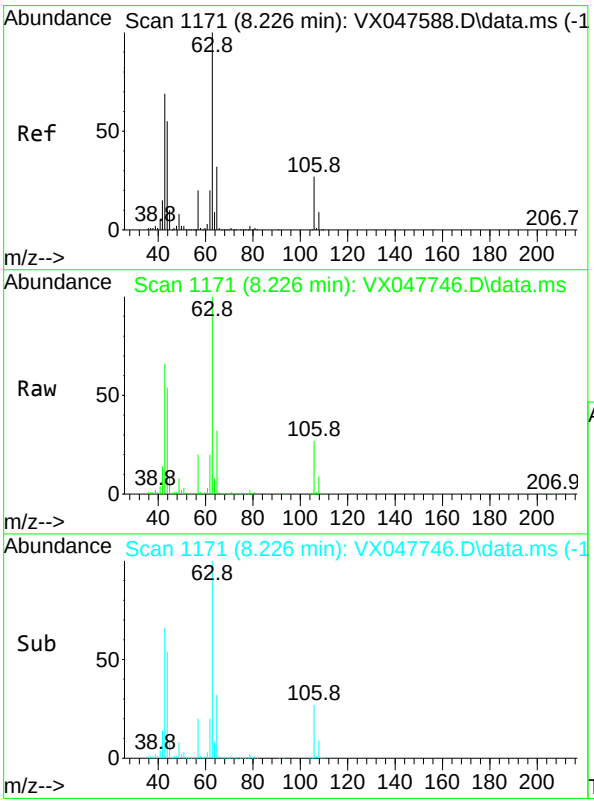
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.2 | 39.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

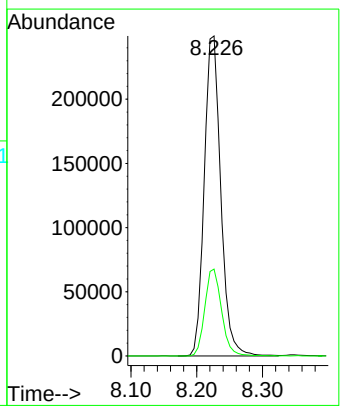


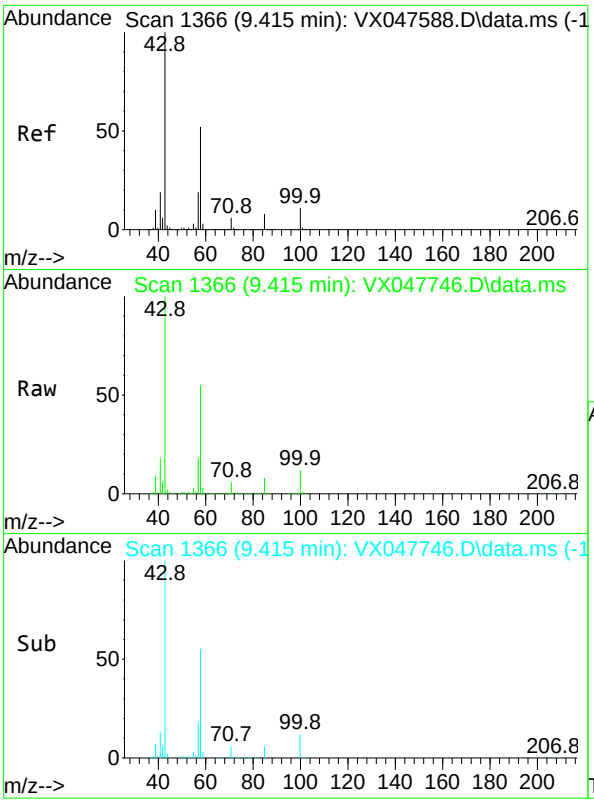




#58
2-Chloroethyl Vinyl ether
Concen: 280.568 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 63 Resp: 436211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 260.122 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 51811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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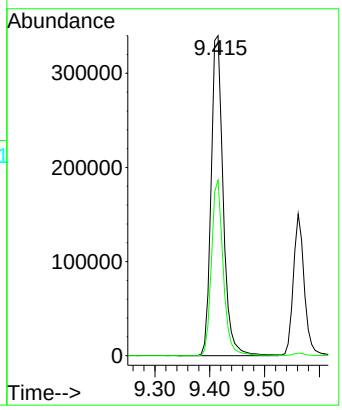
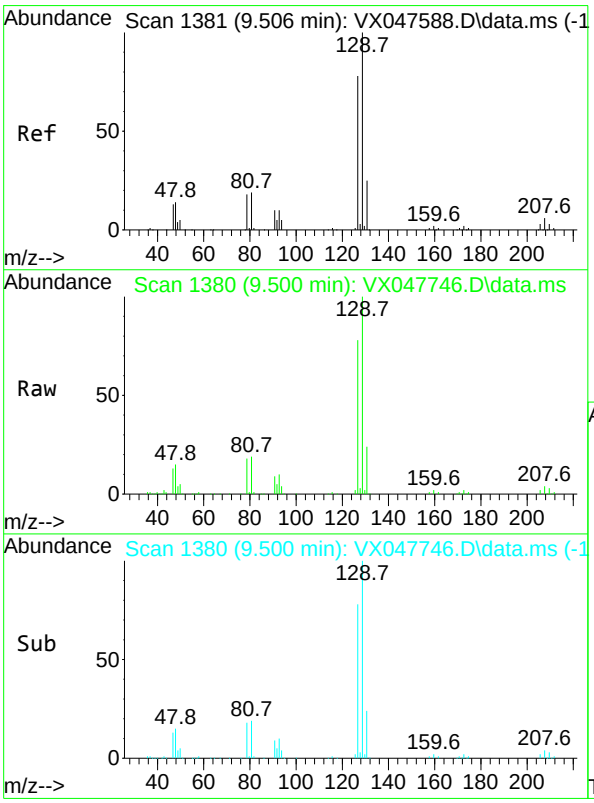
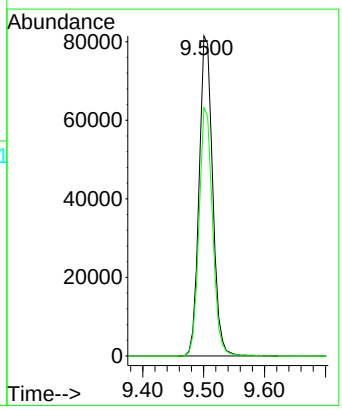


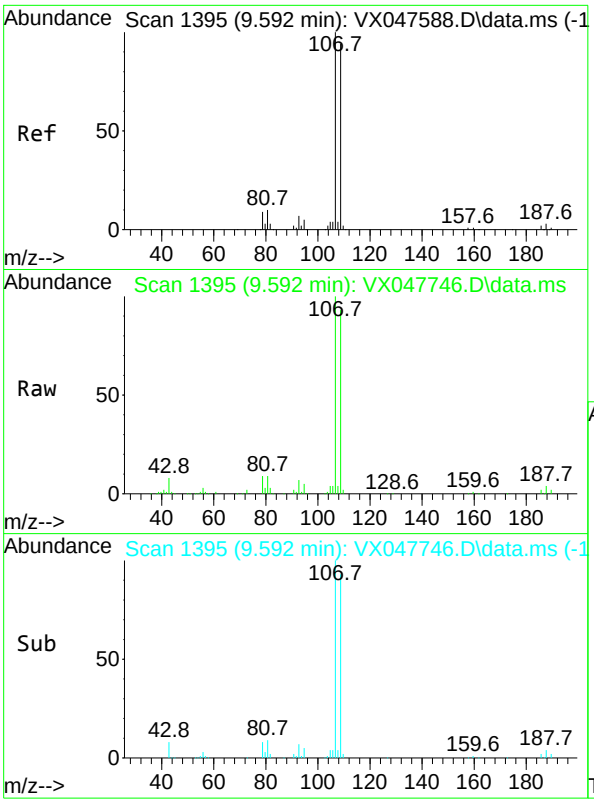




#60
Dibromochloromethane
Concen: 52.954 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:129 Resp: 125404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |

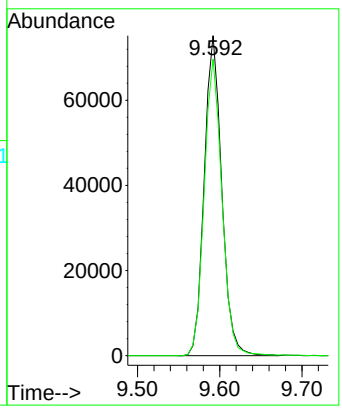





#61
1,2-Dibromoethane
Concen: 53.090 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:107 Resp: 11113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 75.3 | 112.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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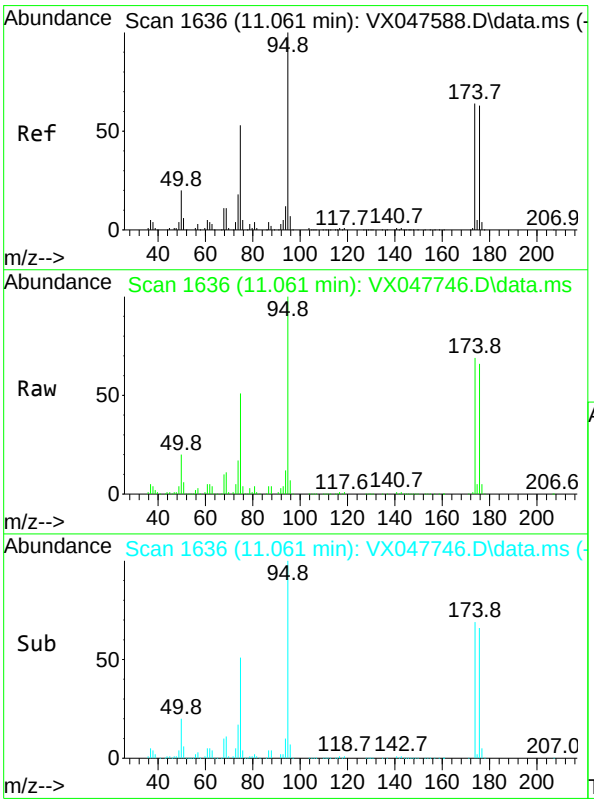
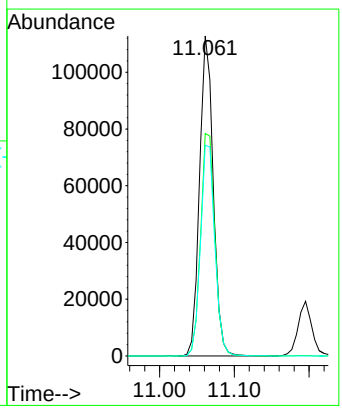
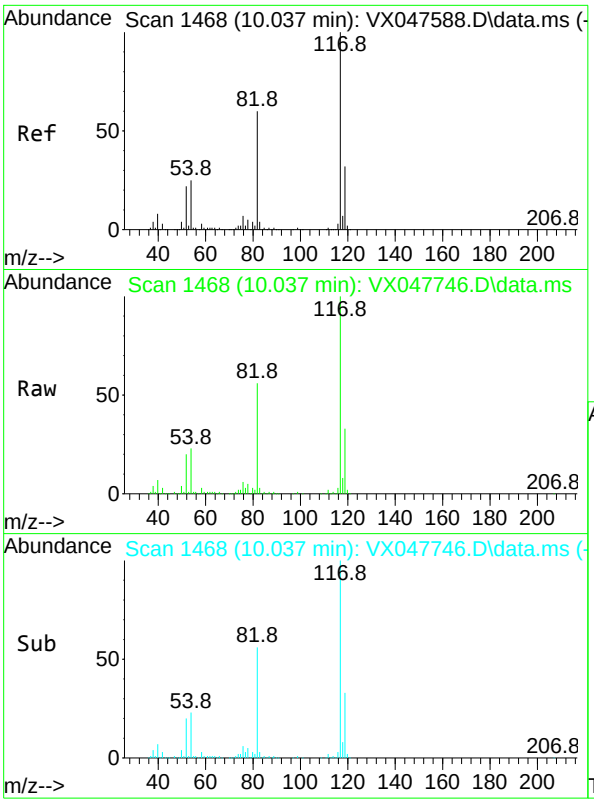



#62
4-Bromofluorobenzene
Concen: 55.994 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 95 Resp: 143339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.3 | 0.0 | 141.6 |
| 176 | 69.0 | 0.0 | 138.4 |

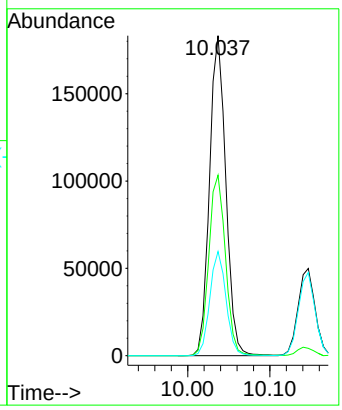





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:117 Resp: 25277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 47.8 | 71.6 |
| 119 | 32.6 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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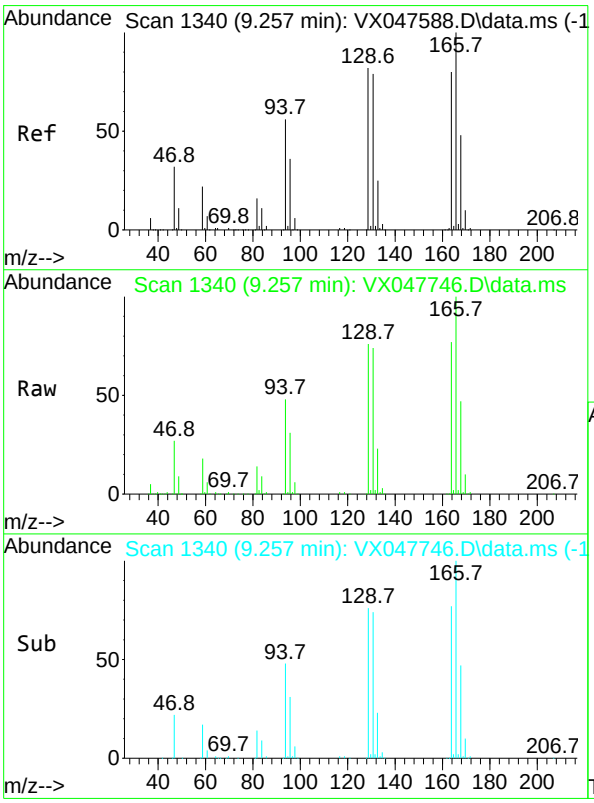
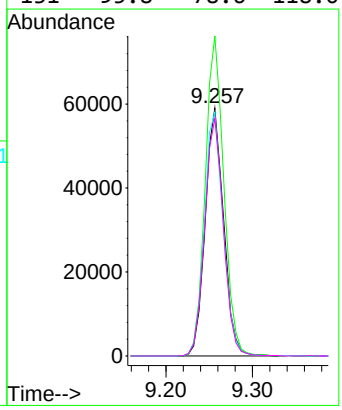
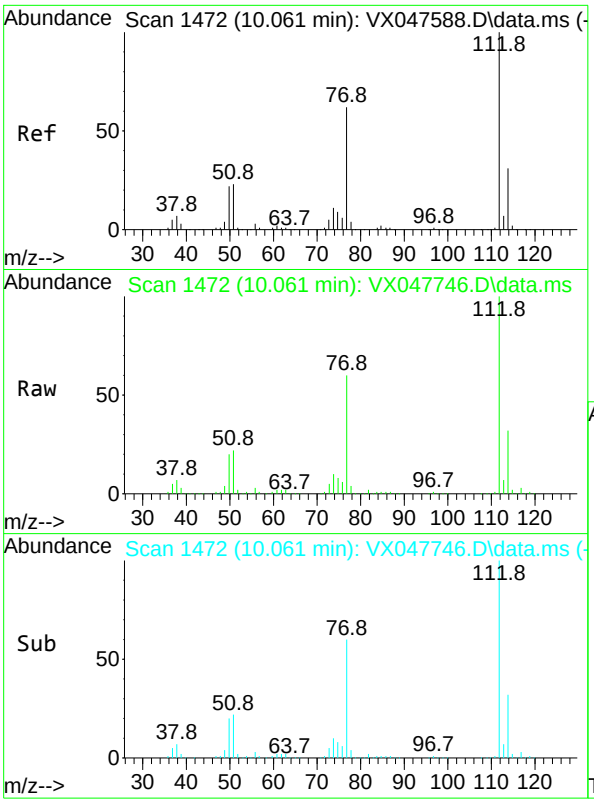



#64
Tetrachloroethene
Concen: 53.073 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:164 Resp: 87453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 100.2 | 150.2 |
| 129 | 98.3 | 81.8 | 122.6 |
| 131 | 95.8 | 78.6 | 118.0 |

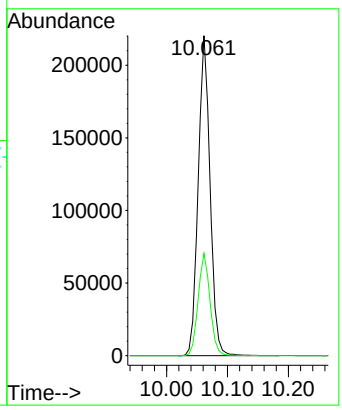





#65
Chlorobenzene
Concen: 51.885 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:112 Resp: 29794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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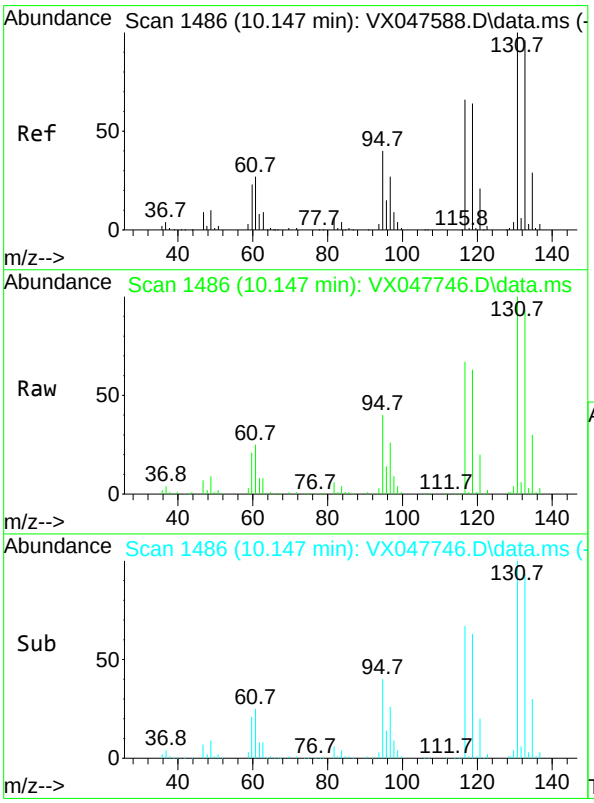
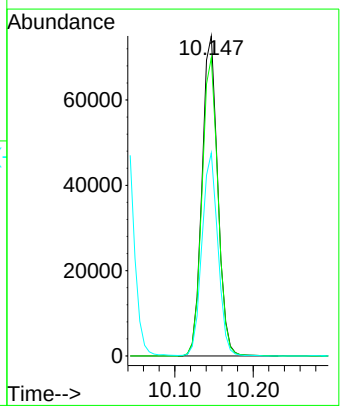
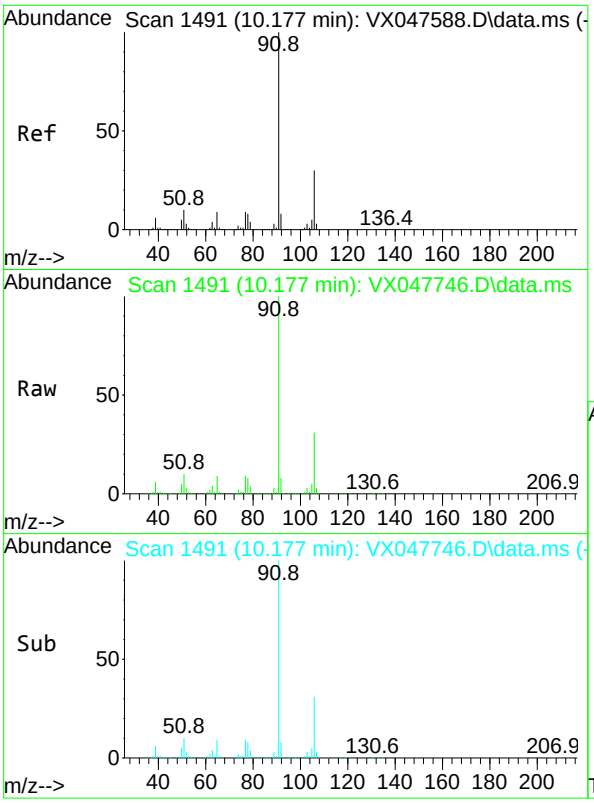



#66
1,1,1,2-Tetrachloroethane
Concen: 52.679 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:131 Resp: 104386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 142.0 |
| 119 | 64.4 | 32.0 | 96.0 |






#67
Ethyl Benzene
Concen: 52.120 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 51641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.3 | 36.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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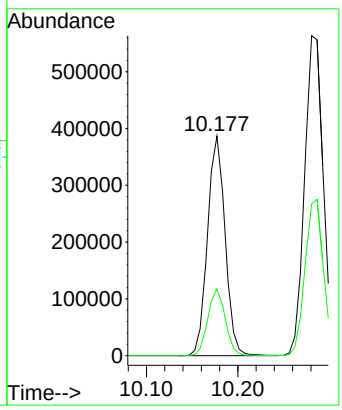
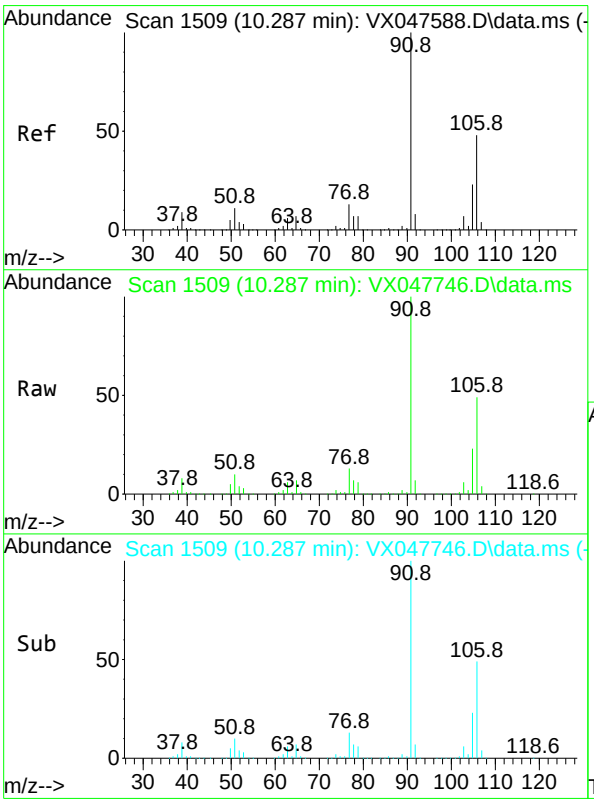
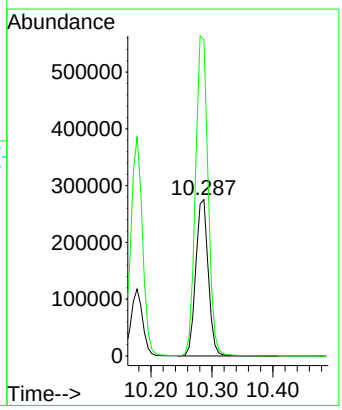


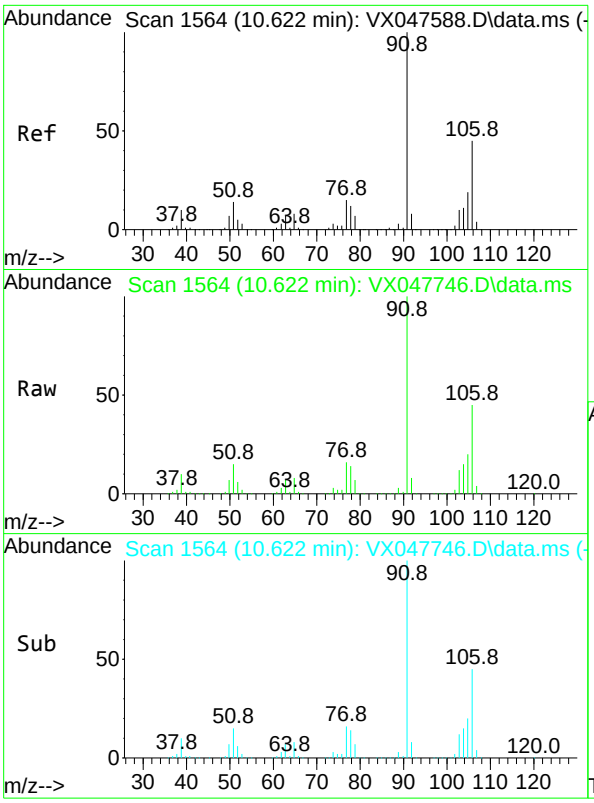




#68
m/p-Xylenes
Concen: 106.017 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:106 Resp: 390979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 167.8 | 251.8 |

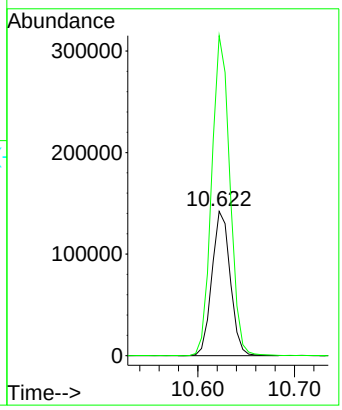





#69
o-Xylene
Concen: 52.481 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:106 Resp: 18720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.0 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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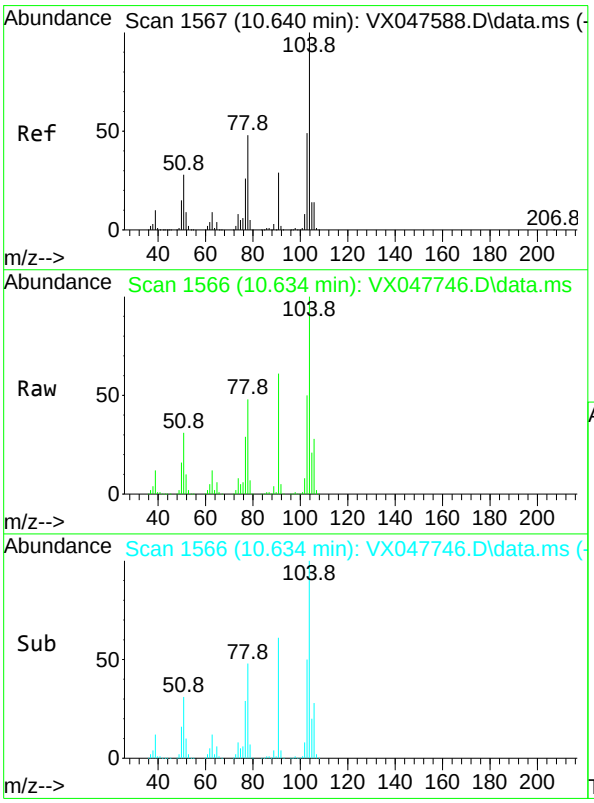
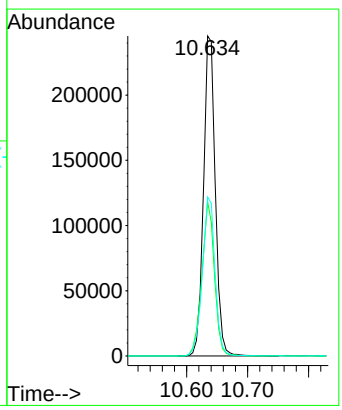
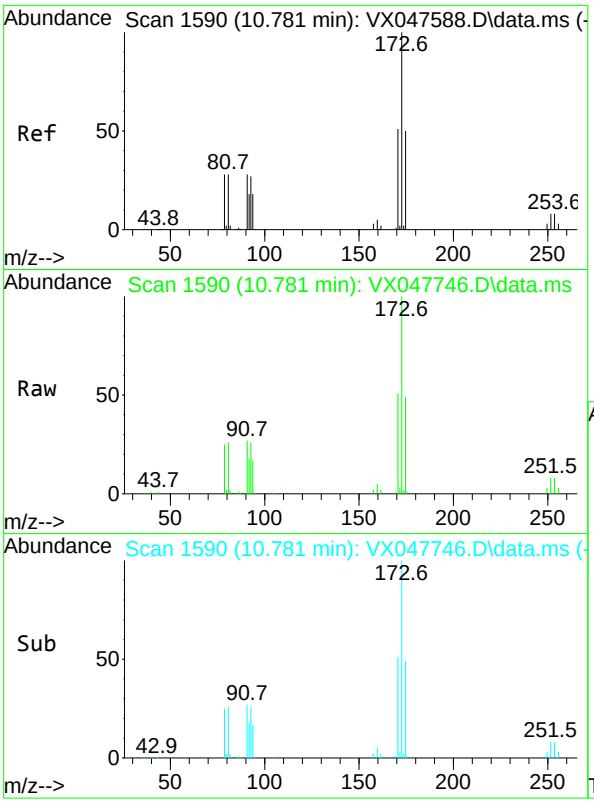



#70
Styrene
Concen: 52.908 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:104 Resp: 330686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 43.1 | 64.7 |
| 103 | 53.7 | 43.1 | 64.7 |

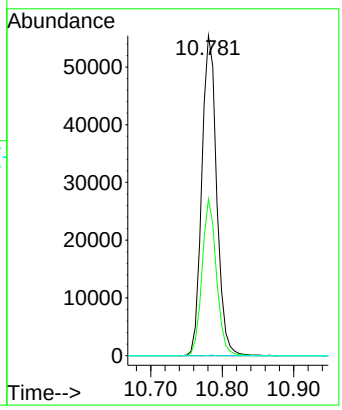





#71
Bromoform
Concen: 54.161 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:173 Resp: 8013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.2 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
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VSTDCCC050

**Manual Integrations**
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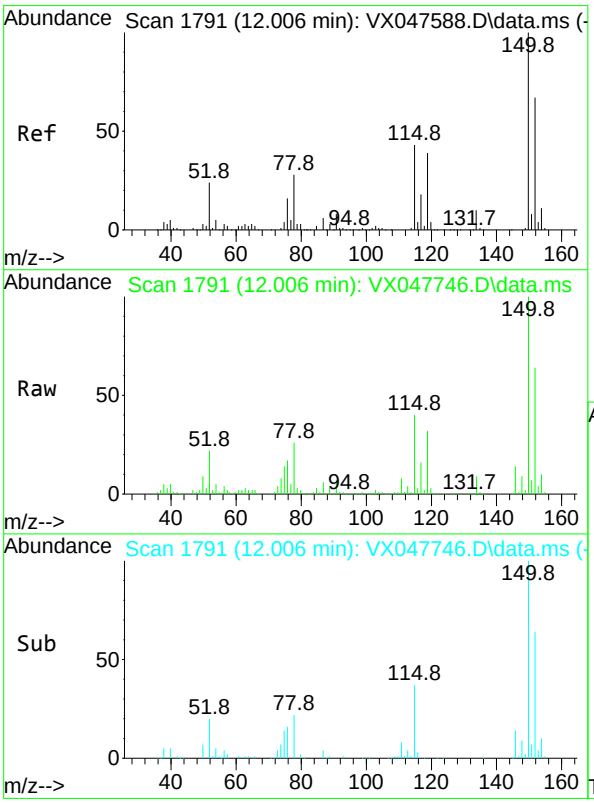
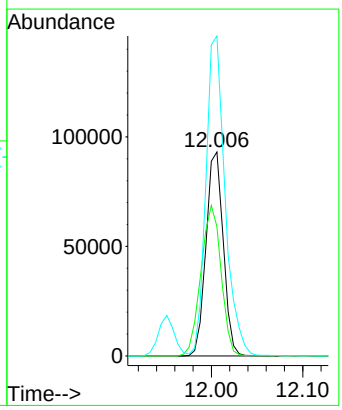
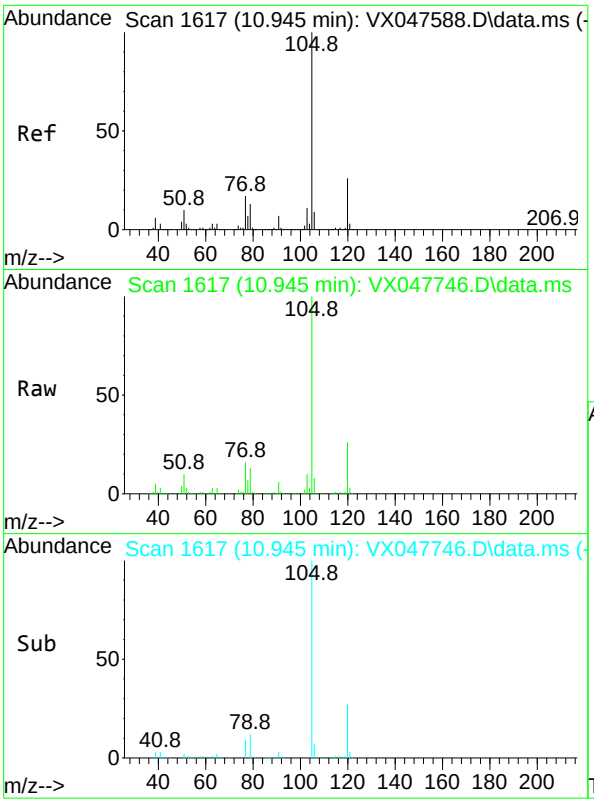



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:152 Resp: 121948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.0 | 44.9 | 134.5 |
| 150 | 173.9 | 0.0 | 352.0 |

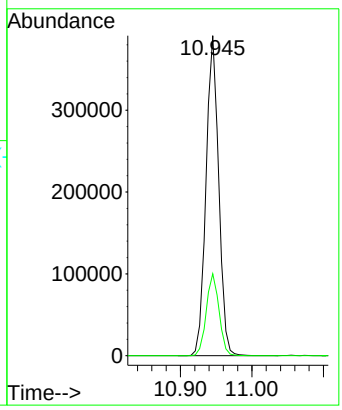





#73
Isopropylbenzene
Concen: 51.938 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 48152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

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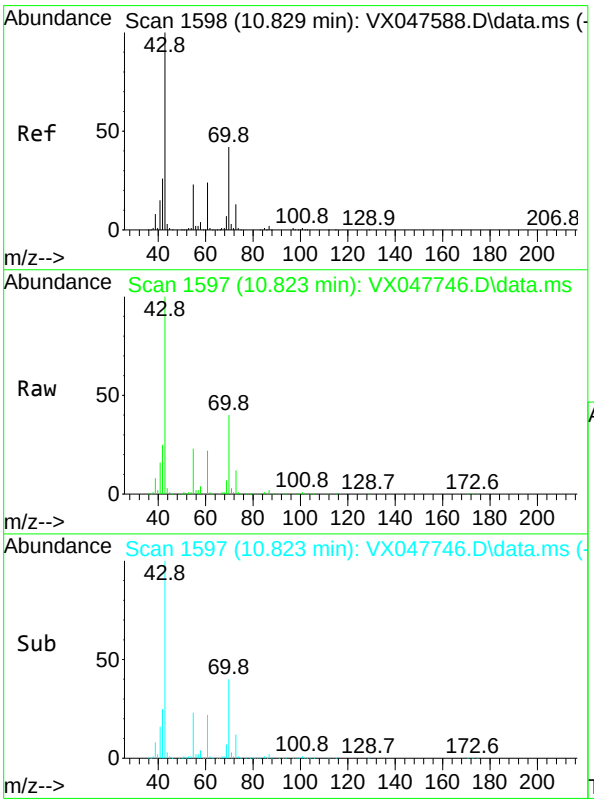
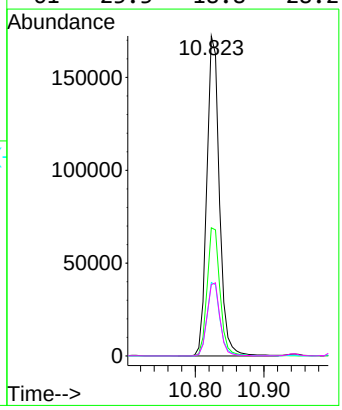
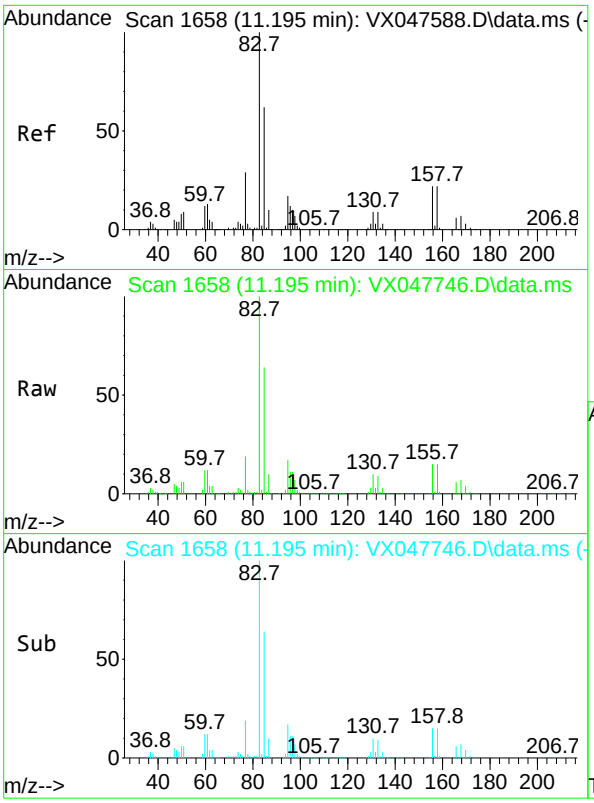



#74
N-amyl acetate
Concen: 52.312 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 221168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.3 | 18.8 | 28.2 |

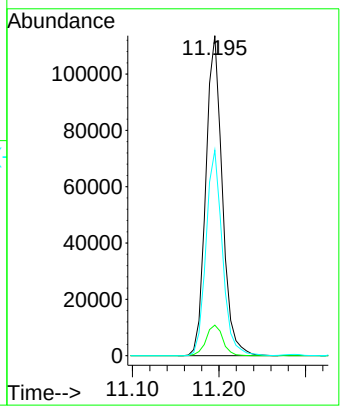





#75
1,1,2,2-Tetrachloroethane
Concen: 53.400 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 83 Resp: 14978

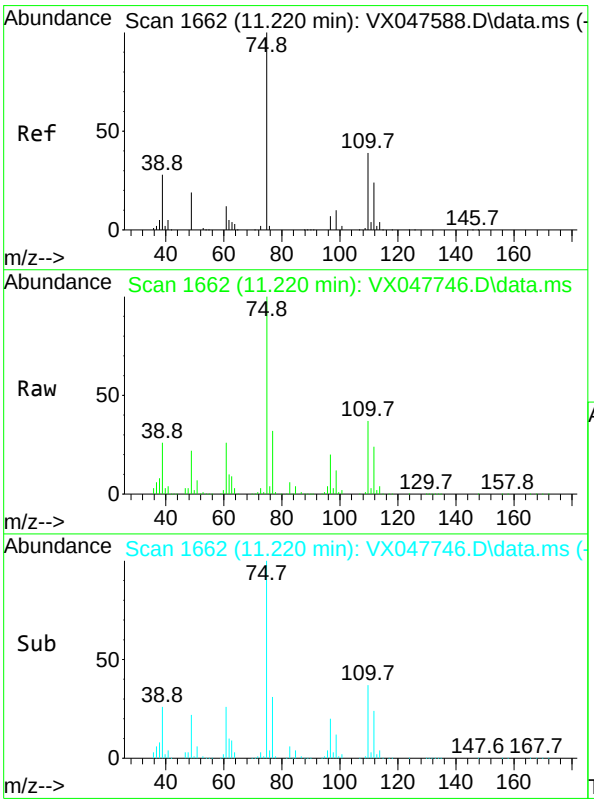
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.0 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

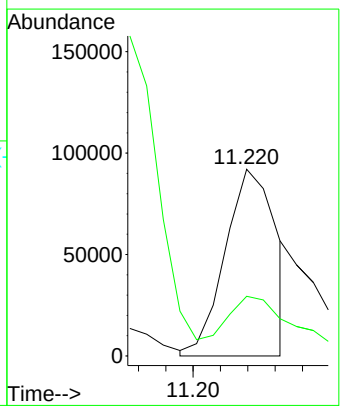
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

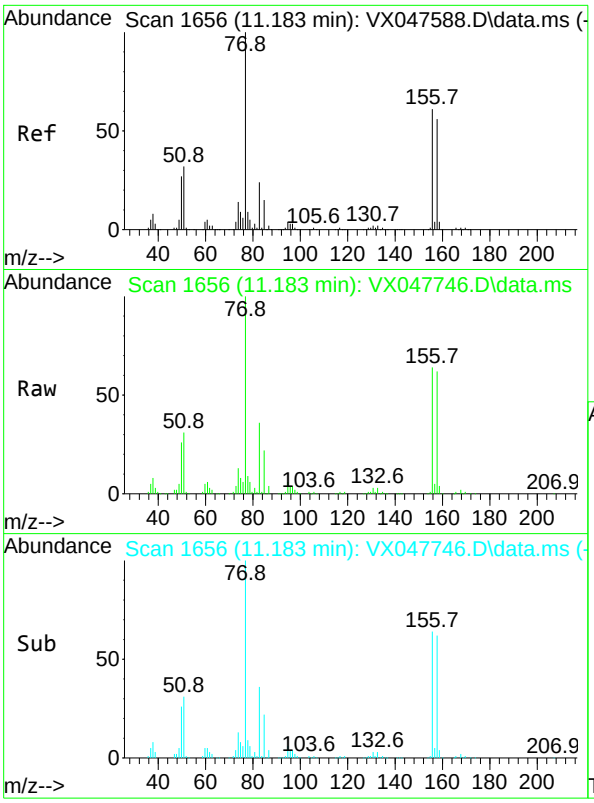



#76
1,2,3-Trichloropropane
Concen: 48.255 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 119145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.0 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 51.110 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:156 Resp: 11670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 174.8 | 89.7 | 269.1 |
| 158 | 98.2 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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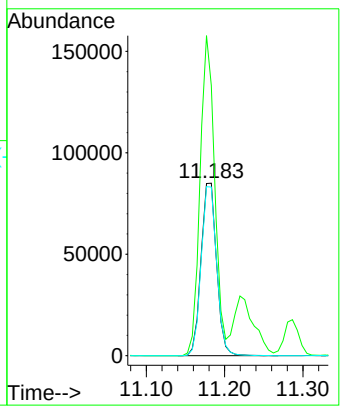
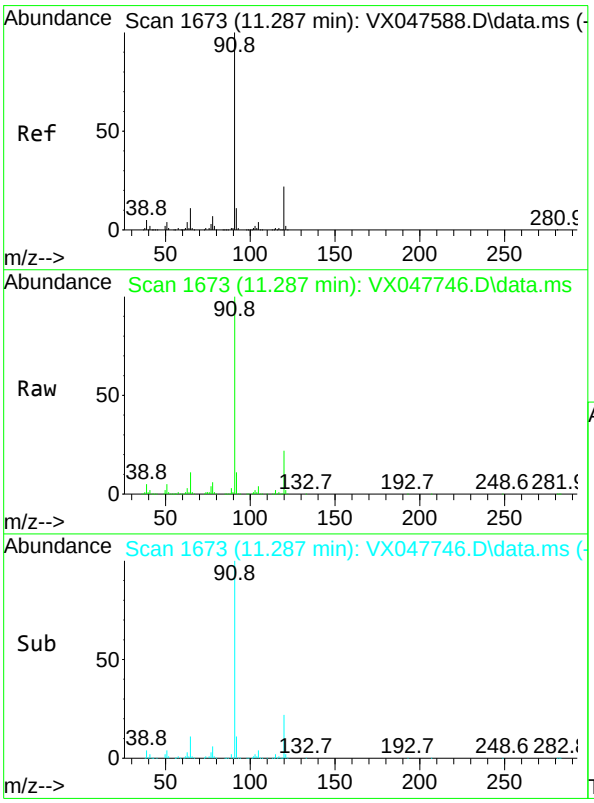
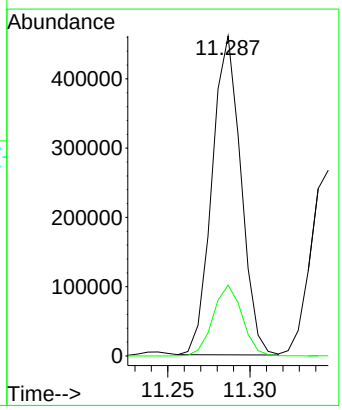


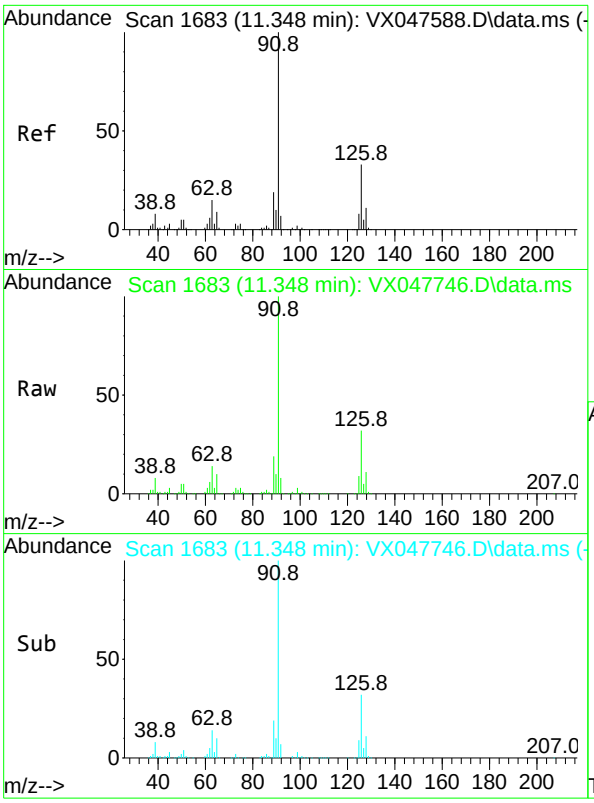




#78
n-propylbenzene
Concen: 51.387 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 563194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |

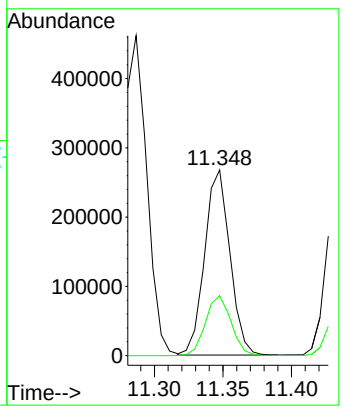





#79
2-Chlorotoluene
Concen: 50.938 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 34192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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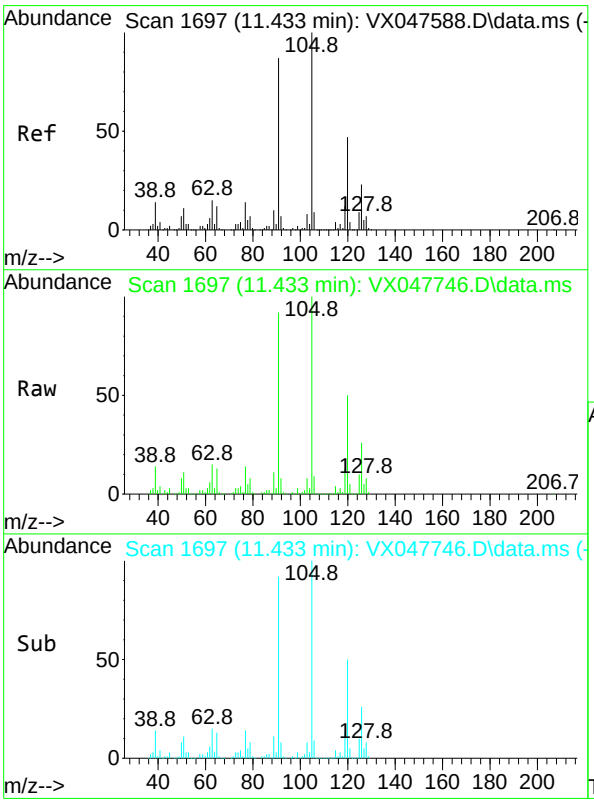
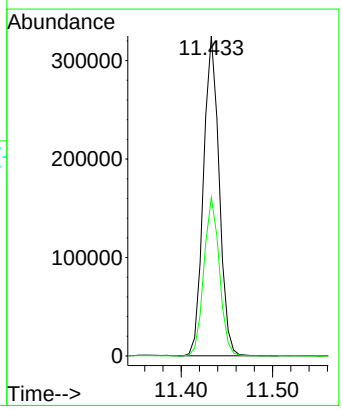
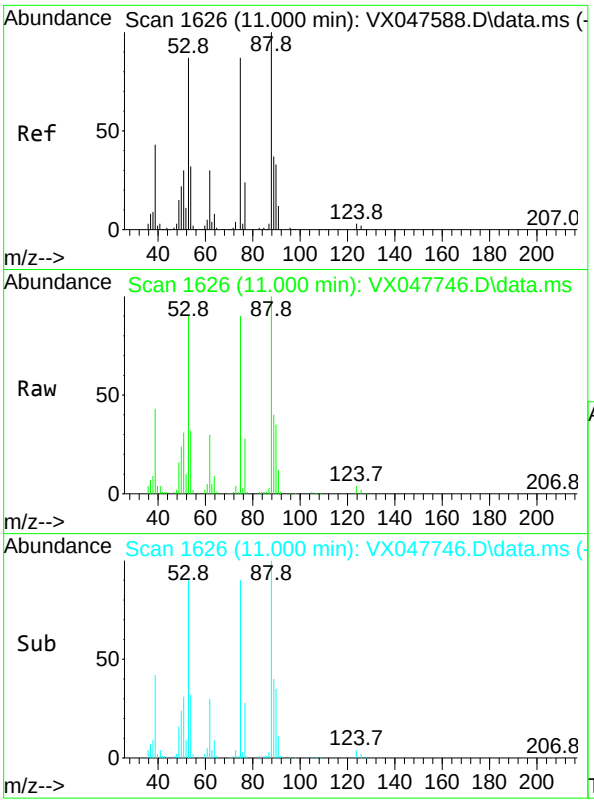



#80
1,3,5-Trimethylbenzene
Concen: 50.669 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 385950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.0 | 23.6 | 70.8 |

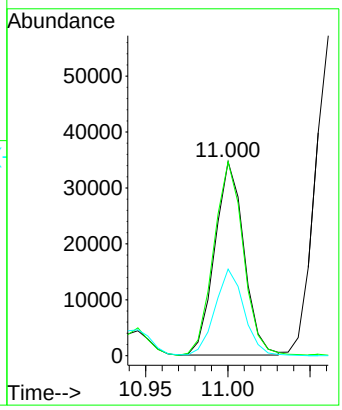





#81
trans-1,4-Dichloro-2-butene
Concen: 44.142 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 4273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.7 | 83.4 | 125.2 |
| 89 | 44.8 | 36.3 | 54.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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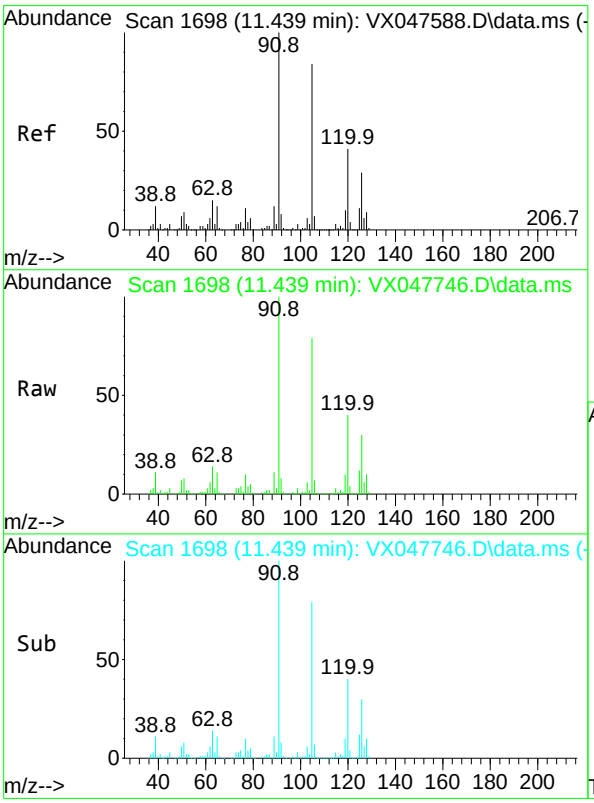
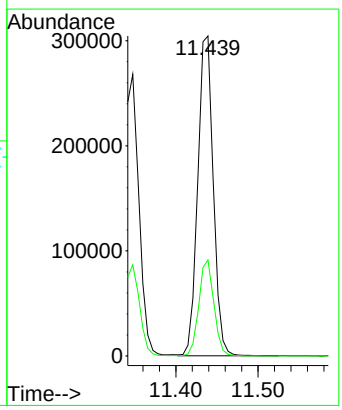
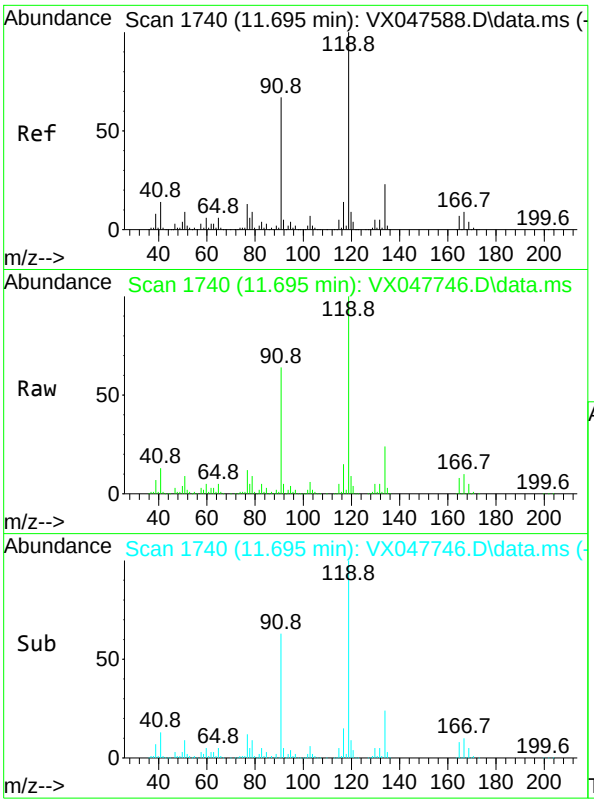



#82
4-Chlorotoluene
Concen: 50.313 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 398881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.2 | 42.6 |

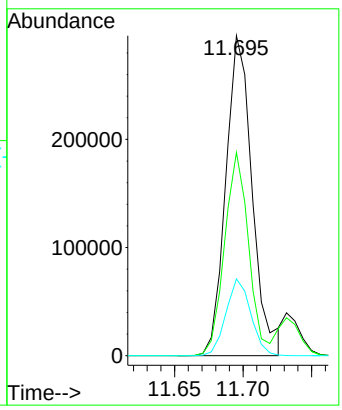





#83
tert-Butylbenzene
Concen: 50.936 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:119 Resp: 39717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.9 | 29.6 | 88.8 |
| 134 | 22.6 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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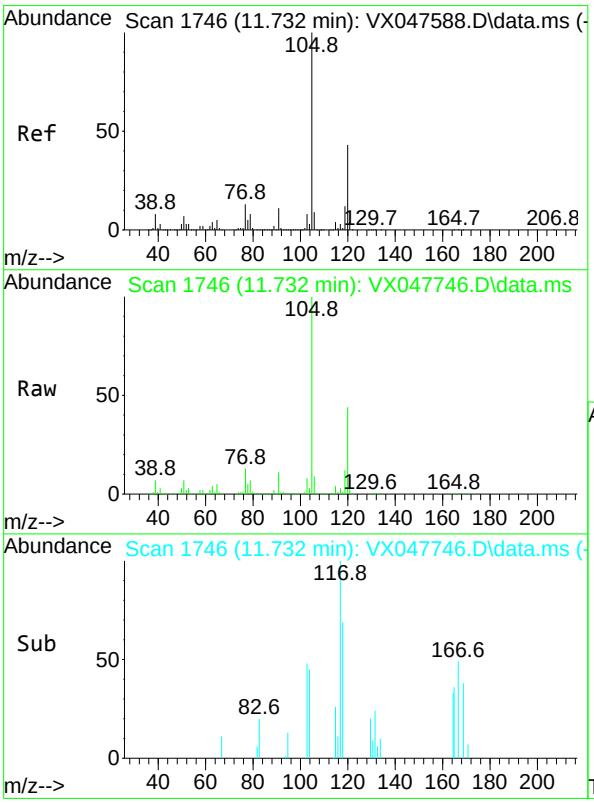
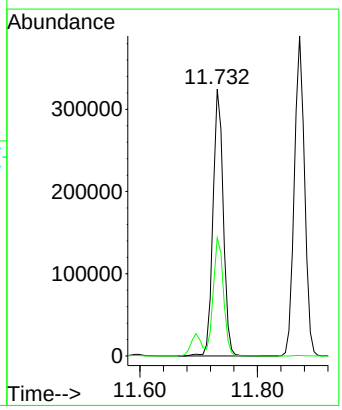
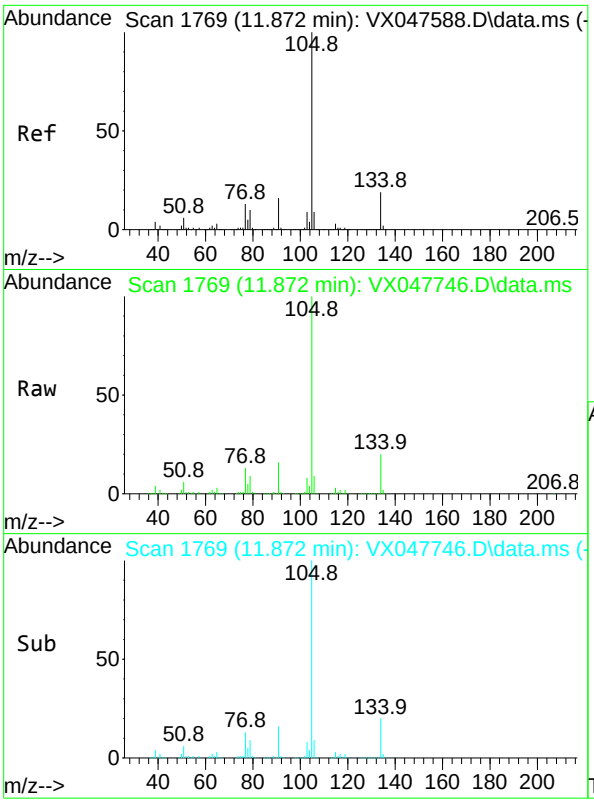



#84
1,2,4-Trimethylbenzene
Concen: 51.085 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 394508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 22.1 | 66.1 |

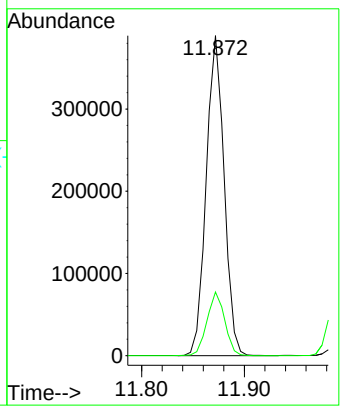





#85
sec-Butylbenzene
Concen: 50.945 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 47185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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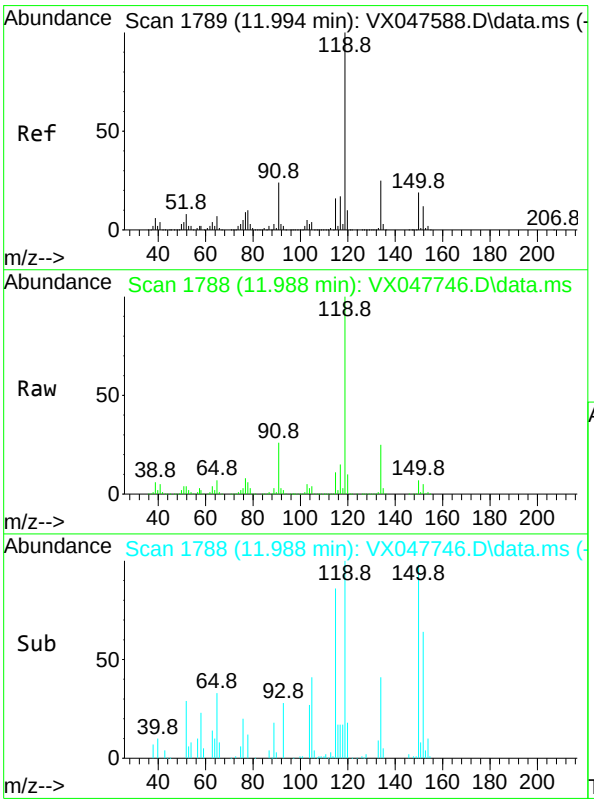
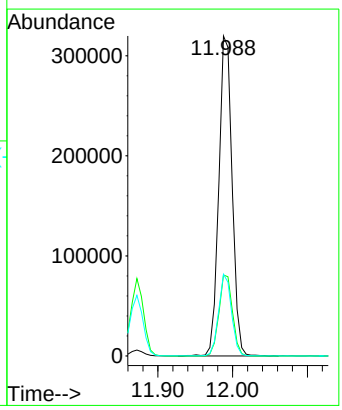
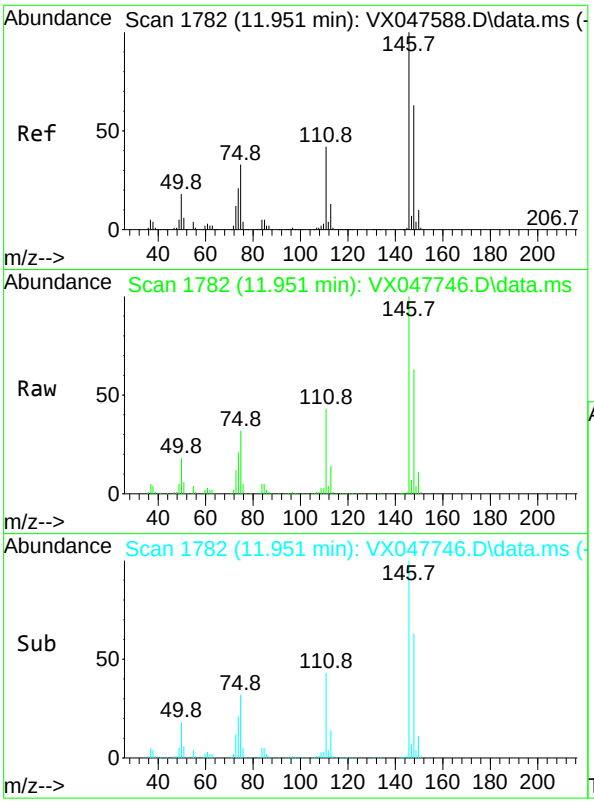



#86
p-Isopropyltoluene
Concen: 50.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:119 Resp: 397440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.6 | 37.8 |
| 91 | 24.8 | 12.6 | 37.6 |

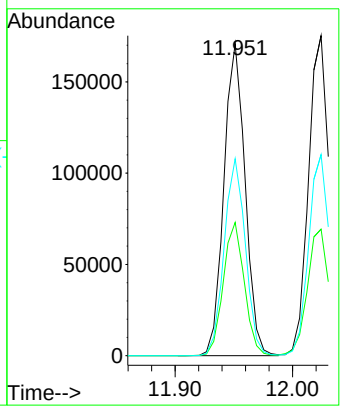





#87
1,3-Dichlorobenzene
Concen: 50.618 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:146 Resp: 21468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 63.2 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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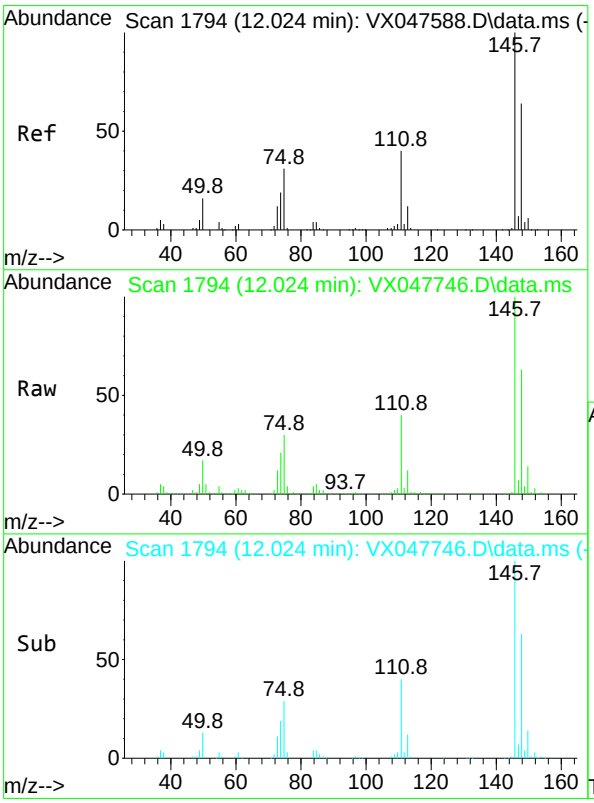
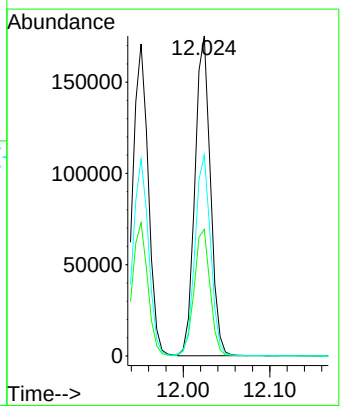
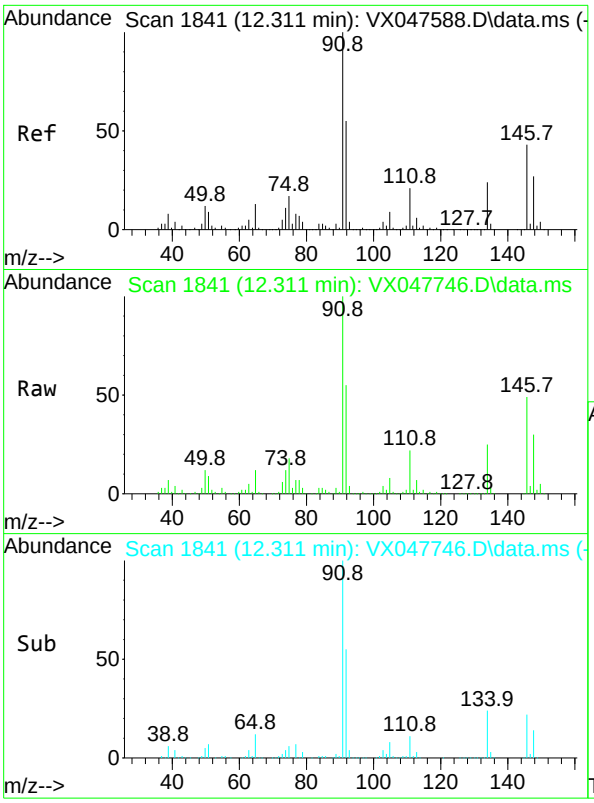



#88
1,4-Dichlorobenzene
Concen: 50.100 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:146 Resp: 218086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.8 | 62.4 |
| 148 | 63.3 | 31.7 | 95.1 |

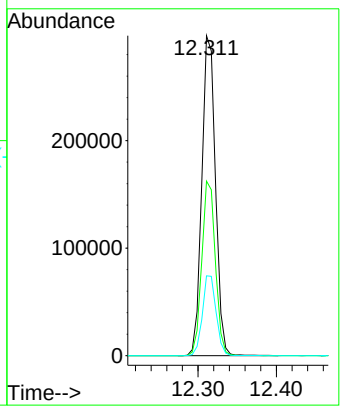





#89
n-Butylbenzene
Concen: 49.578 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 35970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.6 | 82.7 |
| 134 | 25.1 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
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VSTDCCC050

**Manual Integrations**
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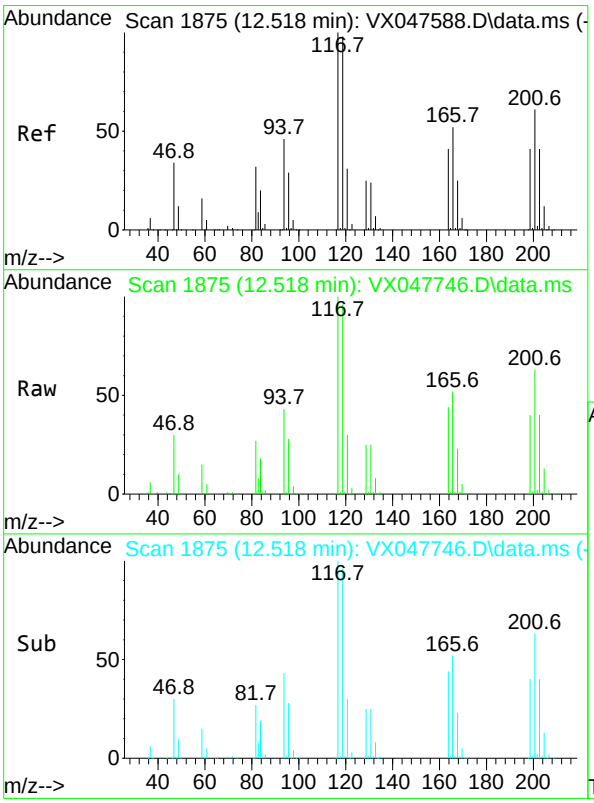
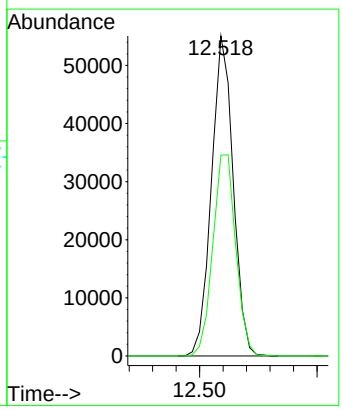
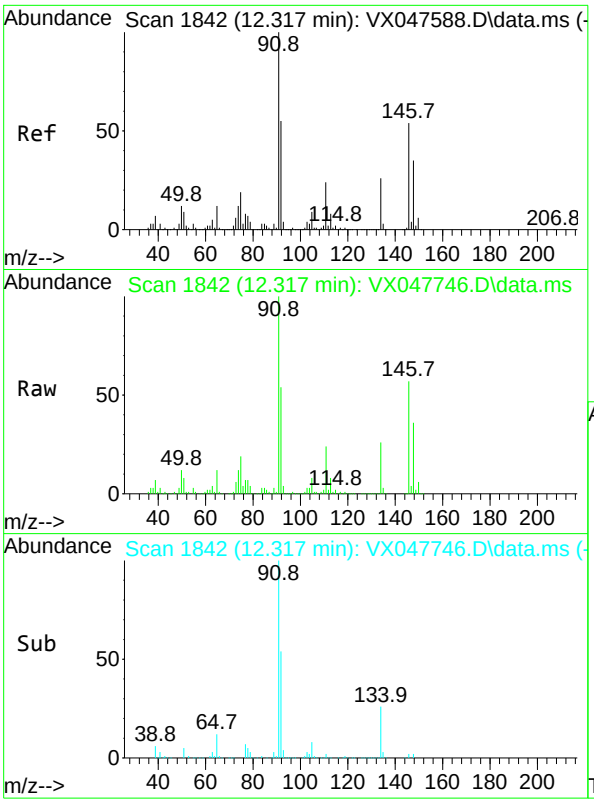



#90
Hexachloroethane
Concen: 51.284 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:117 Resp: 70601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.7 | 34.2 | 102.5 |

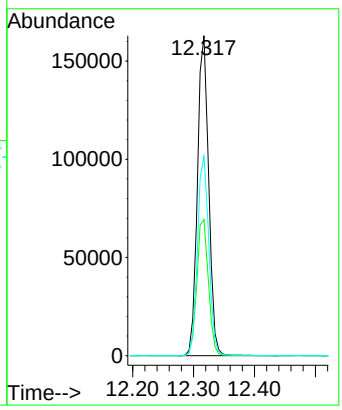





#91
1,2-Dichlorobenzene
Concen: 51.499 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:146 Resp: 20809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 22.2 | 66.6 |
| 148 | 62.8 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
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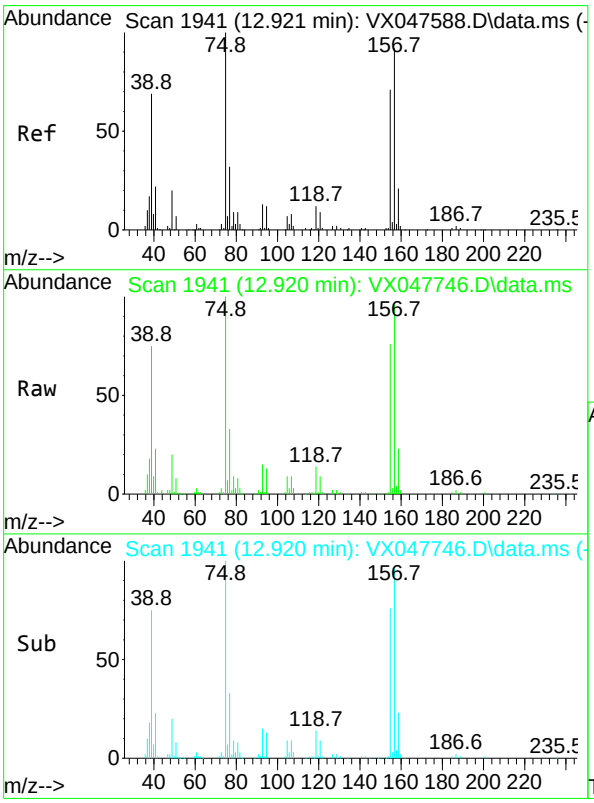
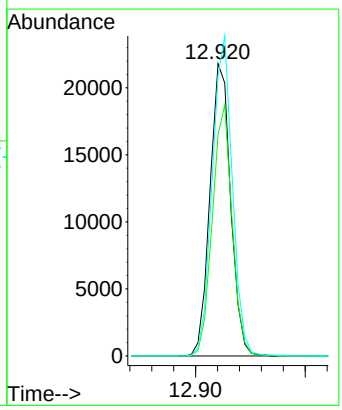
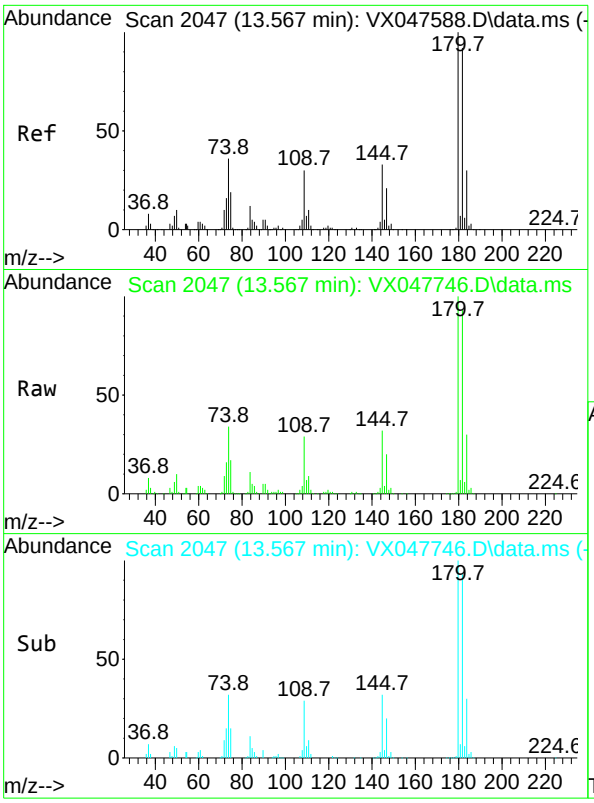



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.279 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 28554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.0 | 37.7 | 113.1 |
| 157 | 106.4 | 49.8 | 149.4 |

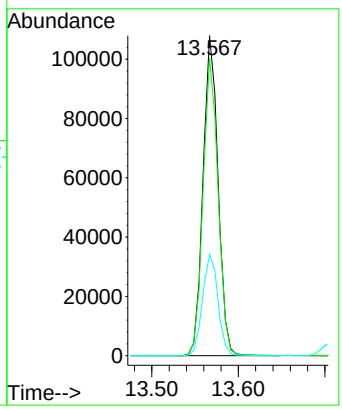





#93
1,2,4-Trichlorobenzene
Concen: 49.444 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:180 Resp: 12984

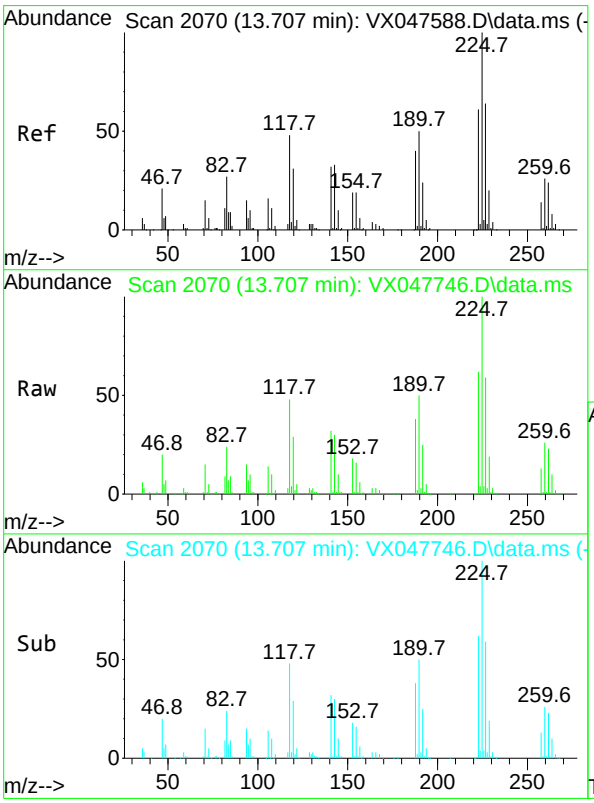
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 46.6 | 139.8 |
| 145 | 32.6 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

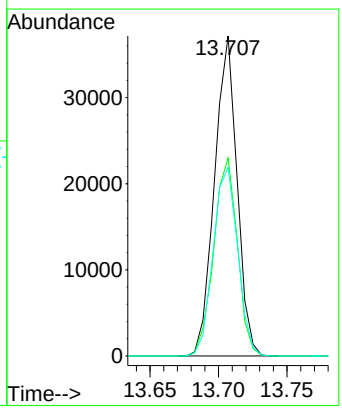
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

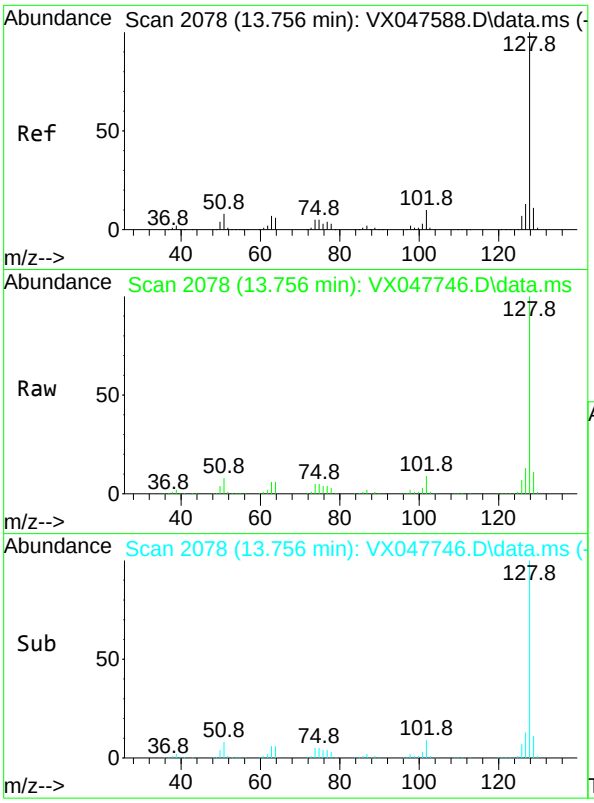



#94
Hexachlorobutadiene
Concen: 47.621 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:225 Resp: 42478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 31.7 | 95.1 |
| 227 | 64.0 | 32.0 | 96.0 |

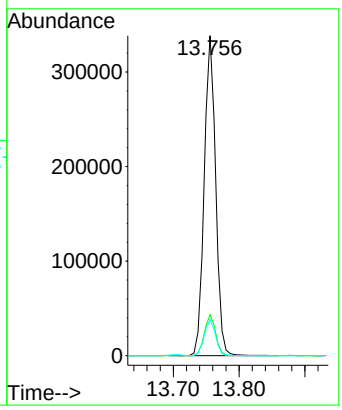





#95
Naphthalene
Concen: 51.297 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:128 Resp: 41020

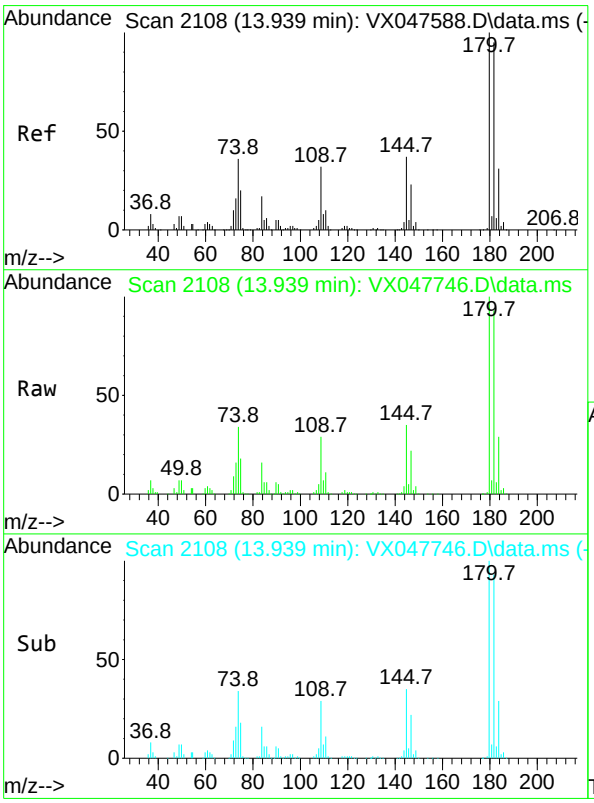
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.1 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations**
**APPROVED**

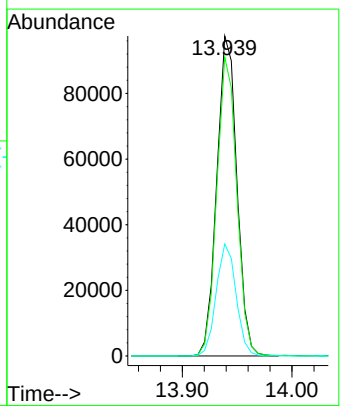
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 50.895 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:180 Resp: 124328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 47.6 | 142.8 |
| 145 | 34.6 | 17.9 | 53.7 |



Sample Results: **VX047746.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 96 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 0.518 | 0.672 | -29.7# | 129 | 0.00 |
| 3 | P | Chloromethane | 0.680 | 0.783 | -15.1 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 0.666 | 0.789 | -18.5# | 115 | 0.00 |
| 5 | T | Bromomethane | 0.422 | 0.468 | -10.9 | 106 | 0.00 |
| 6 | T | Chloroethane | 0.445 | 0.492 | -10.6 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.989 | 1.101 | -11.3 | 106 | 0.00 |
| 8 | T | Diethyl Ether | 0.405 | 0.431 | -6.4 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.655 | -13.3 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 0.902 | 0.958 | -6.2 | 101 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.089 | 0.090 | -1.1 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.594 | 0.663 | -11.6# | 106 | 0.00 |
| 13 | T | Acrolein | 0.082 | 0.091 | -11.0 | 108 | 0.00 |
| 14 | T | Allyl chloride | 1.226 | 1.211 | 1.2 | 96 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.370 | -12.8 | 103 | -0.01 |
| 16 | T | Acetone | 0.346 | 0.298 | 13.9 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 1.626 | 1.796 | -10.5 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 0.770 | 0.868 | -12.7 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.169 | 2.253 | -3.9 | 96 | 0.00 |
| 20 | T | Methylene Chloride | 0.732 | 0.771 | -5.3 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.640 | 0.695 | -8.6 | 103 | 0.00 |
| 22 | T | Diisopropyl ether | 2.376 | 2.502 | -5.3 | 97 | -0.01 |
| 23 | T | Vinyl Acetate | 1.901 | 2.011 | -5.8 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.263 | 1.349 | -6.8 | 100 | 0.00 |
| 25 | T | 2-Butanone | 0.432 | 0.438 | -1.4 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.050 | 0.730 | 30.5# | 66 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.783 | 0.815 | -4.1 | 97 | 0.00 |
| 28 | T | Bromochloromethane | 0.551 | 0.629 | -14.2 | 105 | -0.01 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.283 | -8.8 | 99 | 0.00 |
| 30 | C | Chloroform | 1.276 | 1.328 | -4.1# | 97 | -0.01 |
| 31 | T | Cyclohexane | 1.052 | 1.077 | -2.4 | 101 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.082 | 1.123 | -3.8 | 96 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.863 | -8.4 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.398 | -18.8 | 114 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.490 | 0.504 | -2.9 | 98 | -0.01 |
| 37 | T | Ethyl Acetate | 0.525 | 0.542 | -3.2 | 96 | -0.01 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.554 | -4.1 | 97 | -0.01 |
| 39 | T | Methylcyclohexane | 0.556 | 0.576 | -3.6 | 96 | 0.00 |
| 40 | TM | Benzene | 1.488 | 1.584 | -6.5 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 0.271 | 0.302 | -11.4 | 100 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.566 | 0.569 | -0.5 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.860 | 0.887 | -3.1 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.387 | -7.5 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.401 | -5.2# | 95 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.291 | -5.1 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.594 | -3.8 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.446 | -4.0 | 94 | 0.00 |

Sample Results: **VX047746.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.004 | 0.006 | -50.0# | 112 | 0.00 |
| 50 | S | Toluene-d8 | 1.160 | 1.325 | -14.2 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.516 | -8.2 | 95 | 0.00 |
| 52 | CM | Toluene | 0.917 | 0.950 | -3.6# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.561 | 3.9 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.624 | 0.614 | 1.6 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.369 | -4.2 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.555 | 0.583 | -5.0 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.640 | -5.4 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.300 | -32.2# | 104 | 0.00 |
| 59 | T | 2-Hexanone | 0.343 | 0.357 | -4.1 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 0.407 | 0.431 | -5.9 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.360 | 0.382 | -6.1 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.440 | 0.493 | -12.0 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.346 | -6.1 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 1.136 | 1.179 | -3.8 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.413 | -5.4 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 1.960 | 2.043 | -4.2# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.773 | -6.0 | 95 | 0.00 |
| 69 | T | o-Xylene | 0.706 | 0.741 | -5.0 | 93 | 0.00 |
| 70 | T | Styrene | 1.236 | 1.308 | -5.8 | 94 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.317 | -8.2 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 3.801 | 3.949 | -3.9 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 1.733 | 1.814 | -4.7 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.228 | -6.8 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.012 | 0.977 | 3.5 | 83 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 0.957 | -2.2 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 4.494 | 4.618 | -2.8 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.752 | 2.804 | -1.9 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.123 | 3.165 | -1.3 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.397 | 0.350 | 11.8 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.251 | 3.271 | -0.6 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.197 | 3.257 | -1.9 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.166 | 3.235 | -2.2 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.797 | 3.869 | -1.9 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.215 | 3.259 | -1.4 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.739 | 1.760 | -1.2 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.785 | 1.788 | -0.2 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 2.975 | 2.950 | 0.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 0.564 | 0.579 | -2.7 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.706 | -3.0 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.234 | -0.4 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.065 | 1.1 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.366 | 0.348 | 4.9 | 87 | 0.00 |
| 95 | T | Naphthalene | 3.279 | 3.364 | -2.6 | 91 | 0.00 |

Sample Results: **VX047746.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1.002 | 1.020 | -1.8 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047746.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 96 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 64.888 | -29.8# | 129 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 57.550 | -15.1 | 114 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 59.253 | -18.5# | 115 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.392 | -10.8 | 106 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 55.200 | -10.4 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 55.656 | -11.3 | 106 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.244 | -6.5 | 101 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 56.598 | -13.2 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.098 | -6.2 | 101 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 252.518 | -1.0 | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 55.777 | -11.6# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 280.037 | -12.0 | 108 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.383 | 1.2 | 96 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 281.629 | -12.7 | 103 | -0.01 |
| 16 | T | Acetone | 250.000 | 214.945 | 14.0 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 55.218 | -10.4 | 110 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.326 | -12.7 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.946 | -3.9 | 96 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.632 | -5.3 | 102 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.315 | -8.6 | 103 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.658 | -5.3 | 97 | -0.01 |
| 23 | T | Vinyl Acetate | 250.000 | 264.433 | -5.8 | 97 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.426 | -6.9 | 100 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 253.647 | -1.5 | 96 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 34.769 | 30.5# | 66 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.016 | -4.0 | 97 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 57.010 | -14.0 | 105 | -0.01 |
| 29 | T | Tetrahydrofuran | 250.000 | 272.674 | -9.1 | 99 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.050 | -4.1# | 97 | -0.01 |
| 31 | T | Cyclohexane | 50.000 | 51.224 | -2.4 | 101 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.890 | -3.8 | 96 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.210 | -8.4 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 59.312 | -18.6 | 114 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.432 | -2.9 | 98 | -0.01 |
| 37 | T | Ethyl Acetate | 50.000 | 51.660 | -3.3 | 96 | -0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.986 | -4.0 | 97 | -0.01 |
| 39 | T | Methylcyclohexane | 50.000 | 51.777 | -3.6 | 96 | 0.00 |
| 40 | TM | Benzene | 50.000 | 53.223 | -6.4 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.742 | -11.5 | 100 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.209 | -0.4 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.528 | -3.1 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.736 | -7.5 | 99 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.565 | -5.1# | 95 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.418 | -4.8 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.915 | -3.8 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.974 | -3.9 | 94 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1306.764 | -30.7# | 112 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 57.106 | -14.2 | 109 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 270.171 | -8.1 | 95 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.811 | -3.6# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.037 | 3.9 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.218 | 1.6 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.187 | -4.4 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.534 | -5.1 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.699 | -5.4 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 280.568 | -12.2 | 104 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.122 | -4.0 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.954 | -5.9 | 94 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.090 | -6.2 | 95 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.994 | -12.0 | 109 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 53.073 | -6.1 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.885 | -3.8 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.679 | -5.4 | 93 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.120 | -4.2# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.017 | -6.0 | 95 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.481 | -5.0 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.908 | -5.8 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.161 | -8.3 | 95 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.938 | -3.9 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.312 | -4.6 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.400 | -6.8 | 96 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.255 | 3.5 | 83 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.110 | -2.2 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.387 | -2.8 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.938 | -1.9 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.669 | -1.3 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.142 | 11.7 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.313 | -0.6 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.936 | -1.9 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.085 | -2.2 | 92 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.945 | -1.9 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.687 | -1.4 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.618 | -1.2 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.100 | -0.2 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.578 | 0.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.284 | -2.6 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.499 | -3.0 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.279 | -0.6 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.444 | 1.1 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.621 | 4.8 | 87 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.297 | -2.6 | 91 | 0.00 |

Sample Results: **VX047746.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 50.895 | -1.8 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047767.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: Alliance
Contract: TETR06
Lab Code: ACE
SDG No.: Q3141
Instrument ID: MSVOA_X
Calibration Date/Time: 09/24/2025 10:50
Lab File ID: VX047767.D
Init. Calib. Date(s): 09/16/2025 09/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:23 12:01
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.518 | 0.593 | | 14.48 | 50 |
| Chloromethane | 0.680 | 0.735 | 0.1 | 8.09 | 50 |
| Vinyl Chloride | 0.666 | 0.726 | | 9.01 | 50 |
| Bromomethane | 0.422 | 0.463 | | 9.72 | 50 |
| Chloroethane | 0.445 | 0.466 | | 4.72 | 50 |
| Trichlorofluoromethane | 0.989 | 1.013 | | 2.43 | 50 |
| 1,1,2-Trichlorotrifluoroethane | 0.578 | 0.586 | | 1.38 | 50 |
| 1,1-Dichloroethene | 0.594 | 0.631 | | 6.23 | 50 |
| Acetone | 0.346 | 0.323 | | -6.65 | 50 |
| Carbon Disulfide | 1.626 | 1.720 | | 5.78 | 50 |
| Methyl tert-butyl Ether | 2.169 | 2.352 | | 8.44 | 50 |
| Methyl Acetate | 0.770 | 0.940 | | 22.08 | 50 |
| Methylene Chloride | 0.732 | 0.779 | | 6.42 | 50 |
| trans-1,2-Dichloroethene | 0.640 | 0.685 | | 7.03 | 50 |
| 1,1-Dichloroethane | 1.263 | 1.341 | 0.1 | 6.18 | 50 |
| Cyclohexane | 1.052 | 1.066 | | 1.33 | 50 |
| 2-Butanone | 0.432 | 0.500 | | 15.74 | 50 |
| Carbon Tetrachloride | 0.532 | 0.515 | | -3.19 | 50 |
| cis-1,2-Dichloroethene | 0.783 | 0.835 | | 6.64 | 50 |
| Bromochloromethane | 0.551 | 0.591 | | 7.26 | 50 |
| Chloroform | 1.276 | 1.376 | | 7.84 | 50 |
| 1,1,1-Trichloroethane | 1.082 | 1.134 | | 4.81 | 50 |
| Methylcyclohexane | 0.556 | 0.525 | | -5.58 | 50 |
| Benzene | 1.488 | 1.534 | | 3.09 | 50 |
| 1,2-Dichloroethane | 0.566 | 0.562 | | -0.71 | 50 |
| Trichloroethene | 0.360 | 0.371 | | 3.06 | 50 |
| 1,2-Dichloropropane | 0.381 | 0.401 | | 5.25 | 50 |
| Bromodichloromethane | 0.572 | 0.591 | | 3.32 | 50 |
| 4-Methyl-2-Pentanone | 0.477 | 0.565 | | 18.45 | 50 |
| Toluene | 0.917 | 0.943 | | 2.84 | 50 |
| t-1,3-Dichloropropene | 0.584 | 0.540 | | -7.53 | 50 |
| cis-1,3-Dichloropropene | 0.624 | 0.587 | | -5.93 | 50 |
| 1,1,2-Trichloroethane | 0.354 | 0.379 | | 7.06 | 50 |
| 2-Hexanone | 0.343 | 0.396 | | 15.45 | 50 |
| Dibromochloromethane | 0.407 | 0.437 | | 7.37 | 50 |
| 1,2-Dibromoethane | 0.360 | 0.406 | | 12.78 | 50 |
| Tetrachloroethene | 0.326 | 0.340 | | 4.29 | 50 |
| Chlorobenzene | 1.136 | 1.145 | 0.3 | 0.79 | 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: **VX047767.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: | Alliance | Contract: | TETR06 |
| Lab Code: | ACE | SDG No.: | Q3141 |
| Instrument ID: | MSVOA_X | Calibration Date/Time: | 09/24/2025 10:50 |
| Lab File ID: | VX047767.D | Init. Calib. Date(s): | 09/16/2025 09/16/2025 |
| Heated Purge: (Y/N) | N | Init. Calib. Time(s): | 09:23 12:01 |

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.960 | 1.949 | | -0.56 | 50 |
| m/p-Xylenes | 0.729 | 0.741 | | 1.65 | 50 |
| o-Xylene | 0.706 | 0.724 | | 2.55 | 50 |
| Styrene | 1.236 | 1.277 | | 3.32 | 50 |
| Bromoform | 0.293 | 0.316 | 0.1 | 7.85 | 50 |
| Isopropylbenzene | 3.801 | 3.694 | | -2.82 | 50 |
| 1,1,2,2-Tetrachloroethane | 1.150 | 1.264 | 0.3 | 9.91 | 50 |
| 1,3-Dichlorobenzene | 1.739 | 1.732 | | -0.4 | 50 |
| 1,4-Dichlorobenzene | 1.785 | 1.729 | | -3.14 | 50 |
| 1,2-Dichlorobenzene | 1.657 | 1.696 | | 2.35 | 50 |
| 1,2-Dibromo-3-Chloropropane | 0.233 | 0.254 | | 9.01 | 50 |
| 1,2,4-Trichlorobenzene | 1.077 | 1.059 | | -1.67 | 50 |
| 1,2,3-Trichlorobenzene | 1.002 | 1.049 | | 4.69 | 50 |
| 1,2-Dichloroethane-d4 | 0.796 | 0.866 | | 8.79 | 50 |
| Dibromofluoromethane | 0.335 | 0.362 | | 8.06 | 50 |
| Toluene-d8 | 1.160 | 1.237 | | 6.64 | 50 |
| 4-Bromofluorobenzene | 0.440 | 0.475 | | 7.95 | 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: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 136245 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 254252 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 232007 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 113030 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 117949 | 54.388 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 108.780% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 92049 | 53.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 107.960% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 314422 | 53.290 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 106.580% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 120804 | 53.949 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 107.900% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 80794 | 57.267 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 100073 | 53.970 | ug/l | 97 |
| 4) Vinyl Chloride | 1.380 | 62 | 98905 | 54.491 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 63064 | 54.792 | ug/l | 99 |
| 6) Chloroethane | 1.691 | 64 | 63530 | 52.368 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 138008 | 51.208 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 59838 | 54.277 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 79844 | 50.667 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 124745 | 50.757 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.947 | 59 | 65972 | 273.139 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 85914 | 53.075 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 62008 | 278.592 | ug/l | 97 |
| 14) Allyl chloride | 2.666 | 41 | 160323 | 47.997 | ug/l | 95 |
| 15) Acrylonitrile | 3.056 | 53 | 274545 | 306.873 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 219982 | 233.292 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 234371 | 52.888 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 128034 | 61.011 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 320438 | 54.228 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 106137 | 53.176 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 93317 | 53.545 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 350616 | 54.161 | ug/l | 86 |
| 23) Vinyl Acetate | 3.715 | 43 | 1442450 | 278.405 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 182725 | 53.106 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 340369 | 289.378 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 70096 | 24.508 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 113757 | 53.299 | ug/l | 92 |
| 28) Bromochloromethane | 4.885 | 49 | 80547 | 53.622 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.989 | 42 | 220667 | 311.862 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 187454 | 53.913 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 145273 | 50.693 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 154526 | 52.395 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 120688 | 48.437 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 149048 | 55.869 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 130818 | 48.322 | ug/l | 99 |
| 39) Methylcyclohexane | 7.367 | 83 | 133414 | 47.171 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 389912 | 51.523 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 77979 | 56.618 | ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 143000 | 49.663 | ug/l | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 235980 | 53.933 | ug/l | 99 |
| 44) Trichloroethene | 7.110 | 130 | 94203 | 51.488 | ug/l | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 102032 | 52.653 | ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 74570 | 52.881 | ug/l | 98 |
| 47) Bromodichloromethane | 7.805 | 83 | 150372 | 51.676 | ug/l | 97 |
| 48) Methyl methacrylate | 7.677 | 41 | 118513 | 54.378 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.647 | 88 | 30387 | 1379.627 | ug/l | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 718573 | 296.207 | ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 239637 | 51.397 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 137402 | 46.292 | ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 149149 | 47.013 | ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 96376 | 53.607 | ug/l | 97 |
| 56) Ethyl methacrylate | 9.104 | 69 | 158357 | 56.087 | ug/l | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 167428 | 54.213 | ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 402380 | 294.817 | ug/l | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 503351 | 288.900 | ug/l | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 111057 | 53.612 | ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 103205 | 56.360 | ug/l | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 78844 | 52.130 | ug/l | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 265659 | 50.402 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 93007 | 51.137 | ug/l | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 452093 | 49.712 | ug/l | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 343642 | 101.520 | ug/l | 97 |
| 69) o-Xylene | 10.628 | 106 | 167926 | 51.290 | ug/l | 98 |
| 70) Styrene | 10.640 | 104 | 296373 | 51.662 | ug/l | 98 |
| 71) Bromoform | 10.787 | 173 | 73291 | 53.967 | ug/l | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 417583 | 48.594 | ug/l | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 207812 | 53.032 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 142889 | 54.960 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 124755m | 54.514 | ug/l | |
| 77) Bromobenzene | 11.183 | 156 | 107213 | 50.657 | ug/l | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 498719 | 49.095 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 304904 | 49.006 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 345988 | 49.006 | ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 35912 | 40.018 | ug/l | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 357733 | 48.683 | ug/l | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 346038 | 47.879 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 353276 | 49.355 | ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 415999 | 48.459 | ug/l | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 348647 | 47.972 | ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 195732 | 49.790 | ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 195422 | 48.435 | ug/l | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 317773 | 47.254 | ug/l | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 62783 | 49.203 | ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 191705 | 51.187 | ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 28696 | 54.516 | ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 119753 | 49.199 | ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39271 | 47.499 | ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 400255 | 54.002 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 118573 | 52.369 | ug/l | 99 |

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

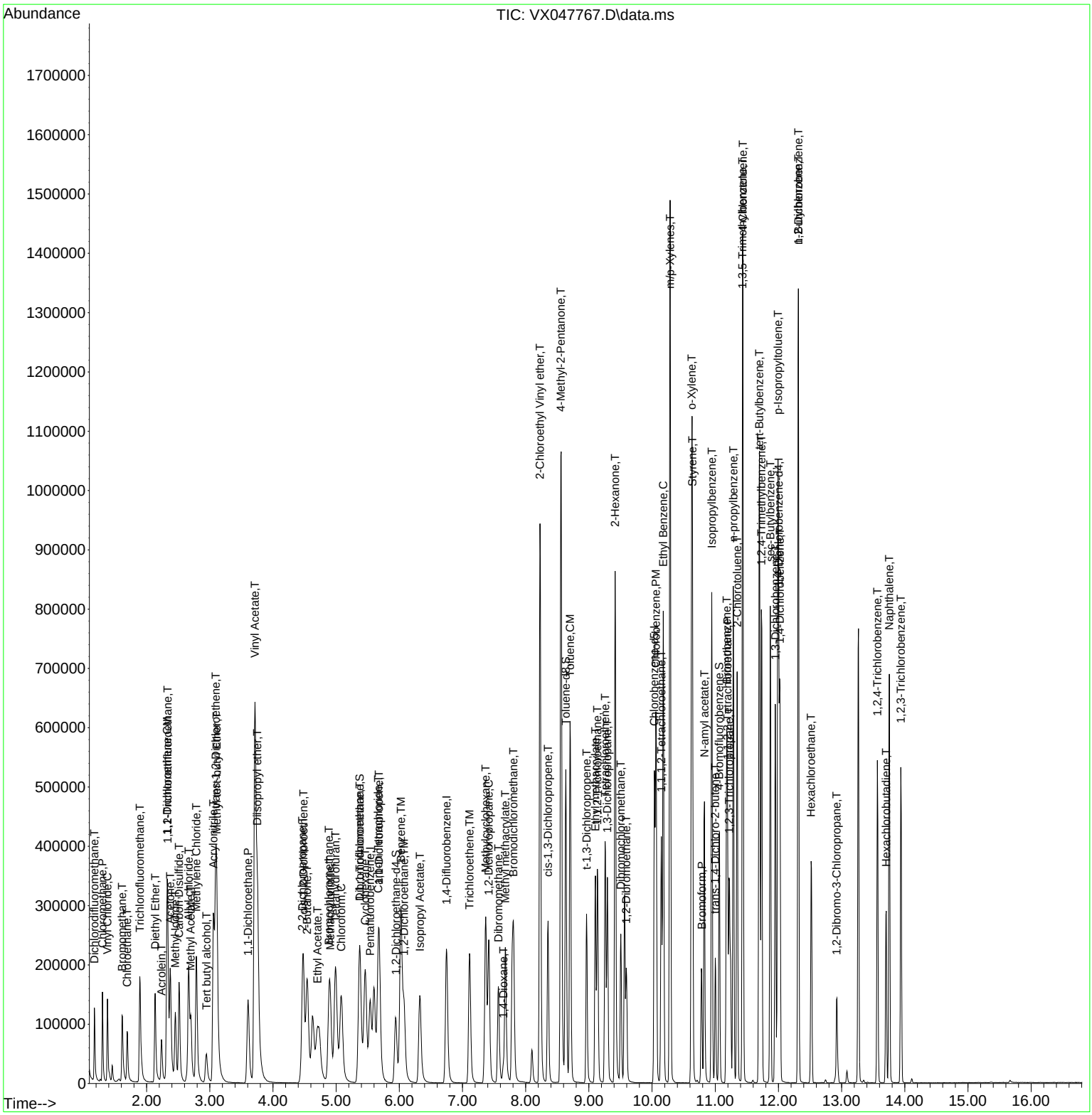
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

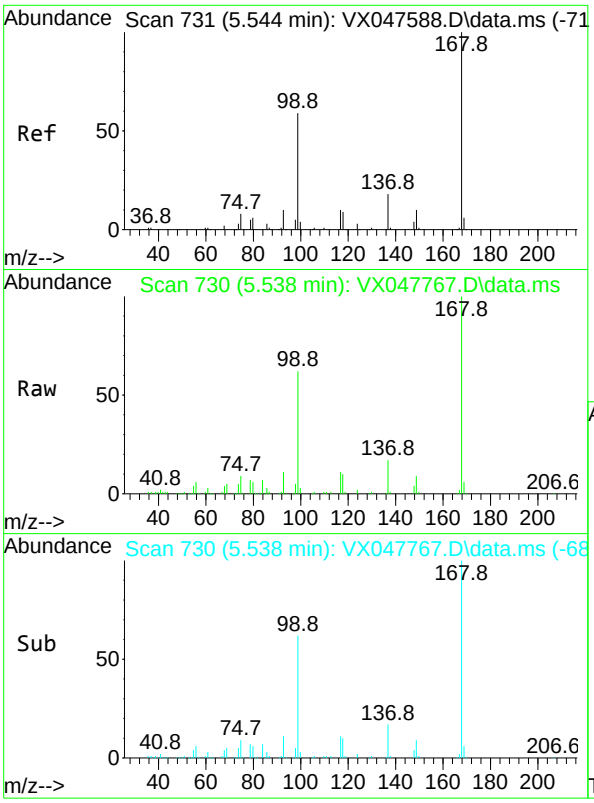
Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

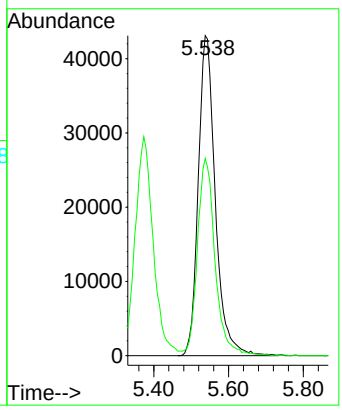





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:168 Resp: 13624

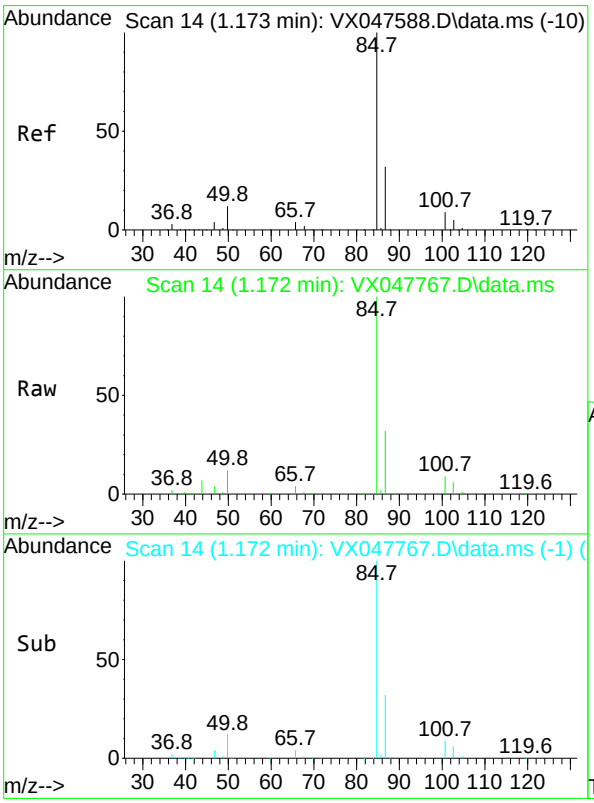
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

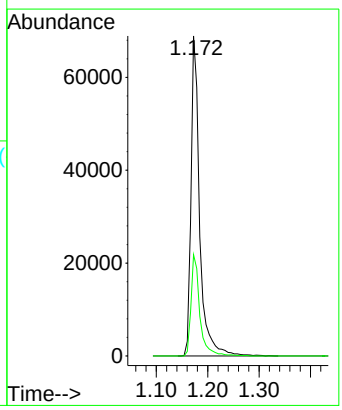
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

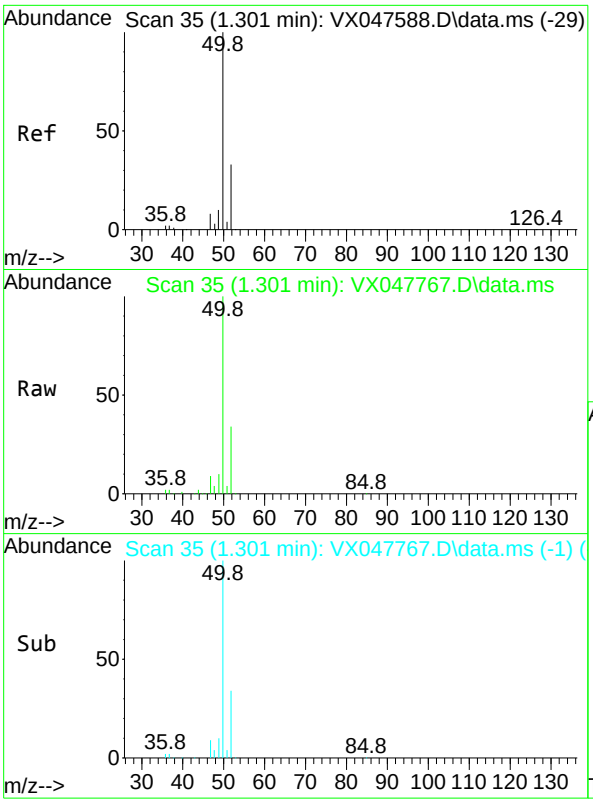



#2
Dichlorodifluoromethane
Concen: 57.267 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 85 Resp: 80794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.8 | 47.3 |

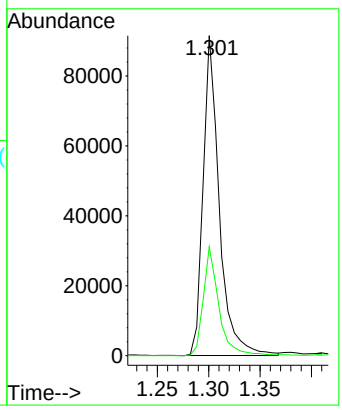





#3
Chloromethane
Concen: 53.970 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 50 Resp: 10007

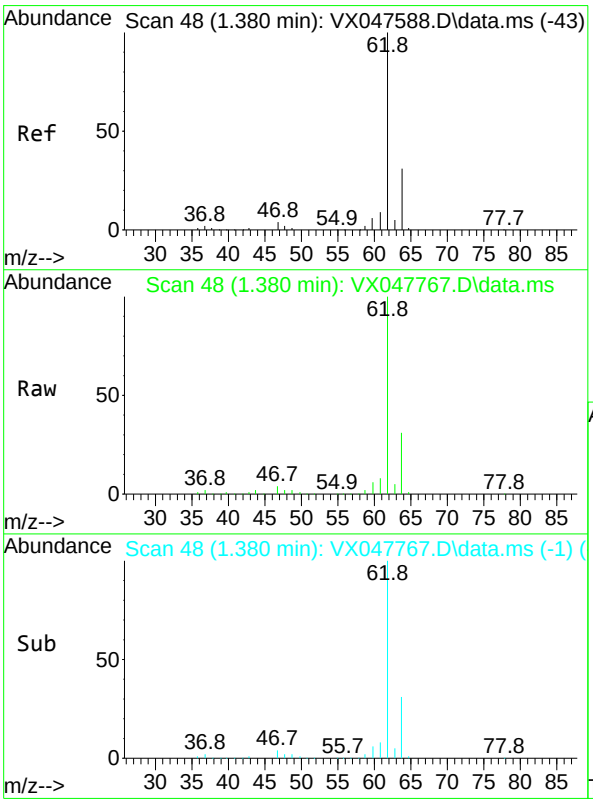
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.1 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

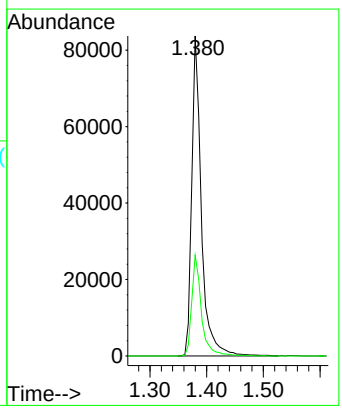
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

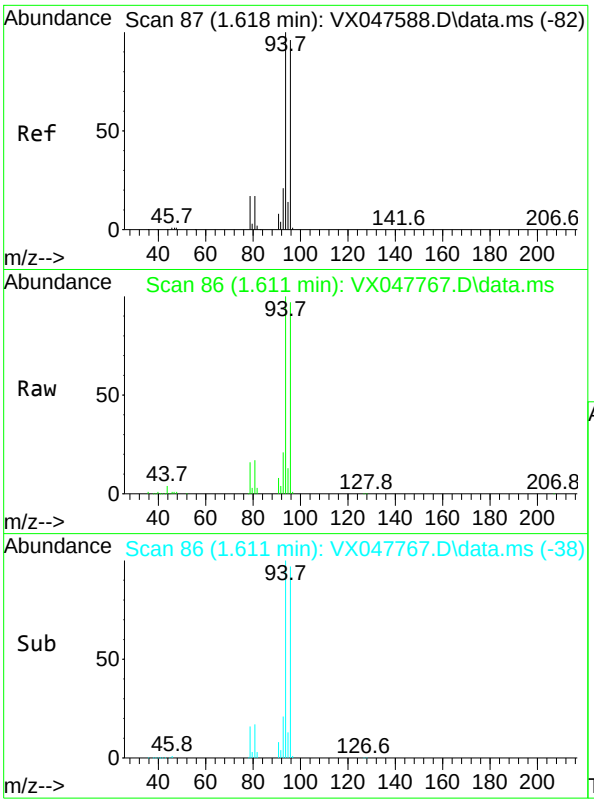



#4
Vinyl Chloride
Concen: 54.491 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 62 Resp: 98905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 24.9 | 37.3 |

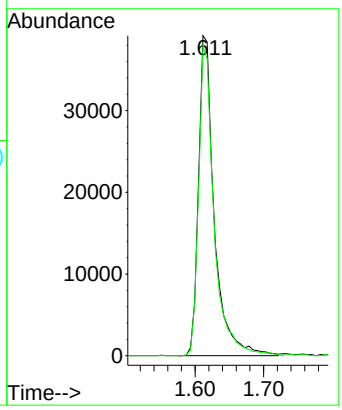





#5
Bromomethane
Concen: 54.792 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 94 Resp: 6306

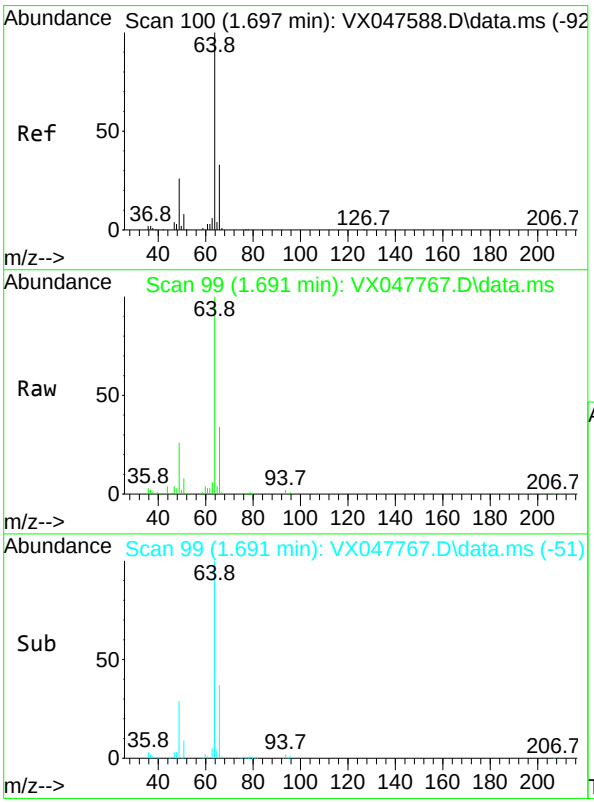
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.6 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

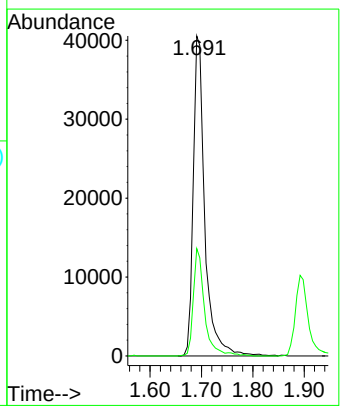
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

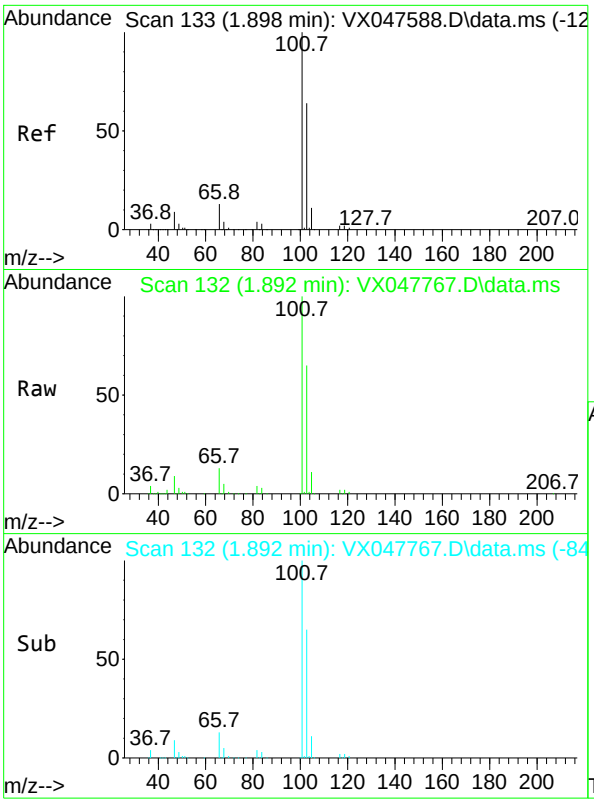



#6
Chloroethane
Concen: 52.368 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 64 Resp: 63530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.1 | 39.1 |

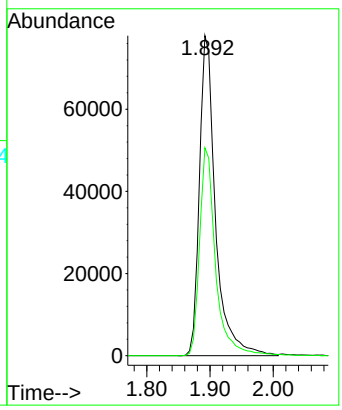





#7
Trichlorofluoromethane
Concen: 51.208 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:101 Resp: 13800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
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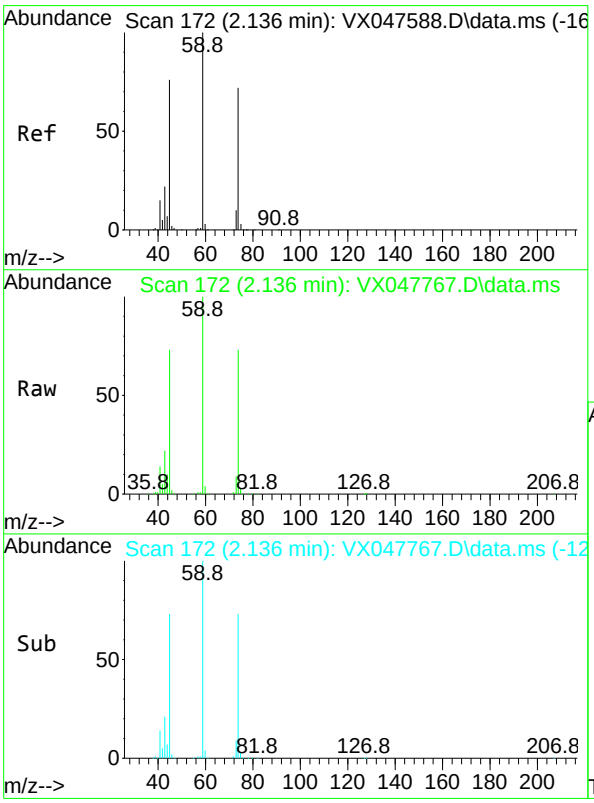
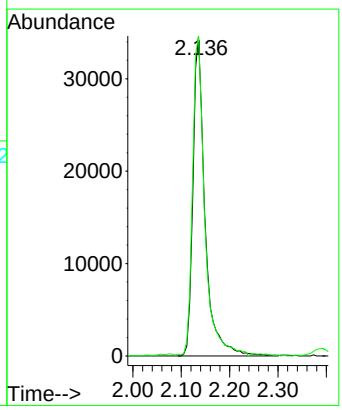
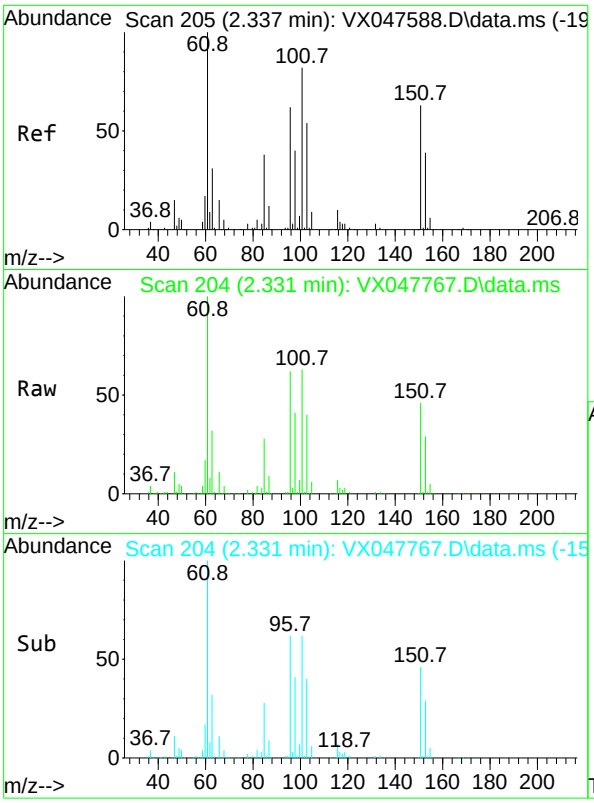



#8
Diethyl Ether
Concen: 54.277 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 74 Resp: 59838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.9 | 52.3 | 156.8 |

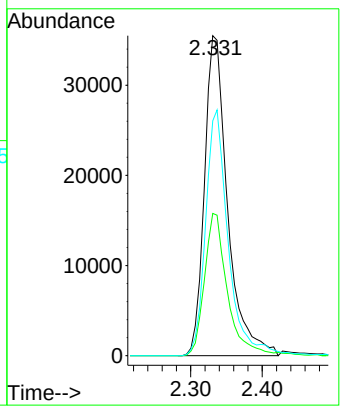





#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.667 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:101 Resp: 7984

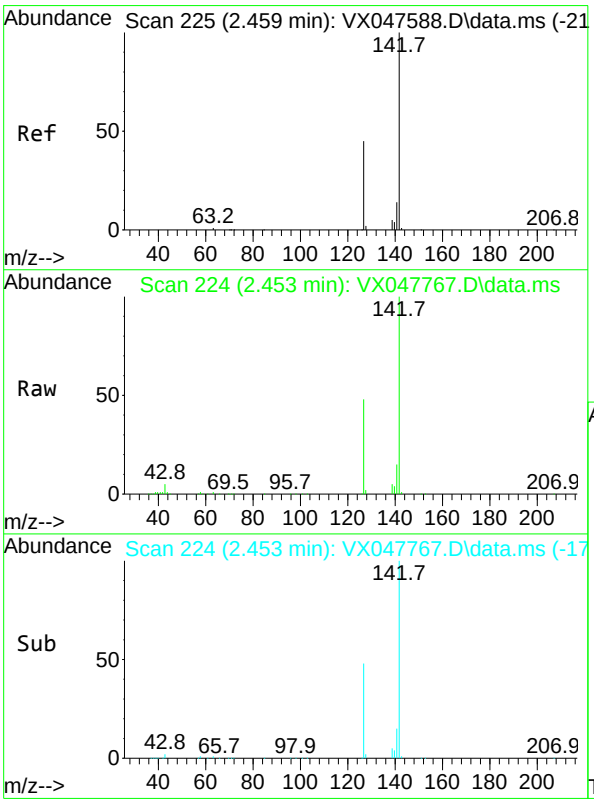
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 35.5 | 53.3 |
| 151 | 75.7 | 59.4 | 89.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

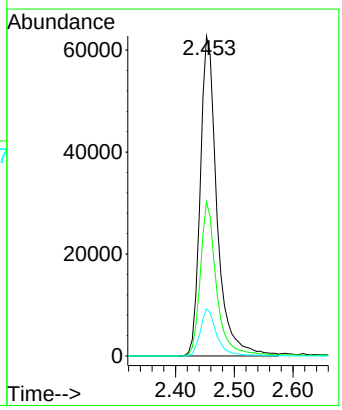
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

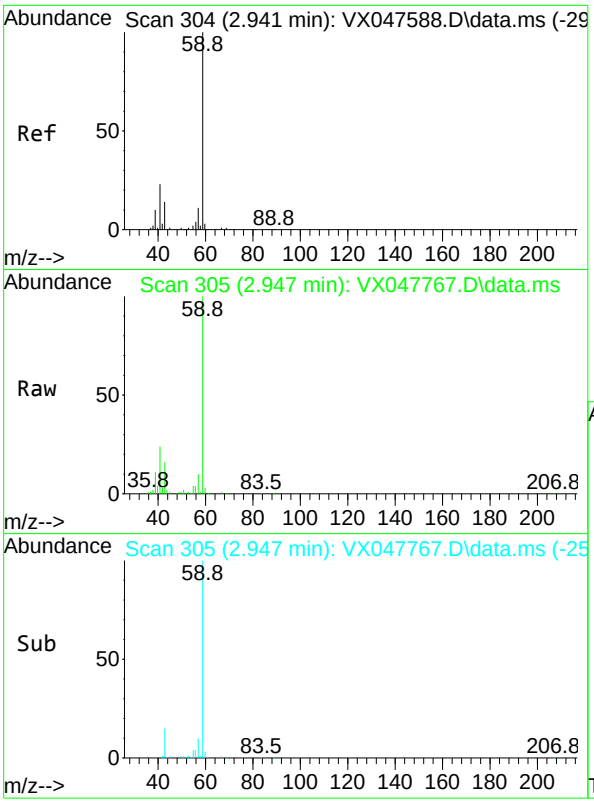



#10
Methyl Iodide
Concen: 50.757 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:142 Resp: 124745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.7 | 37.2 | 55.8 |
| 141 | 14.5 | 11.4 | 17.0 |

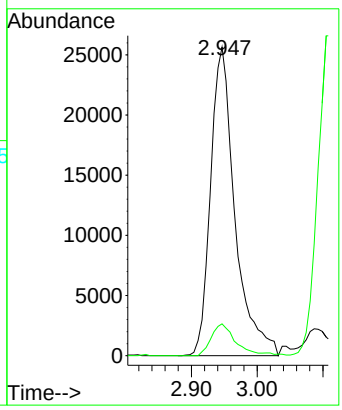





#11
Tert butyl alcohol
Concen: 273.139 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 59 Resp: 6597

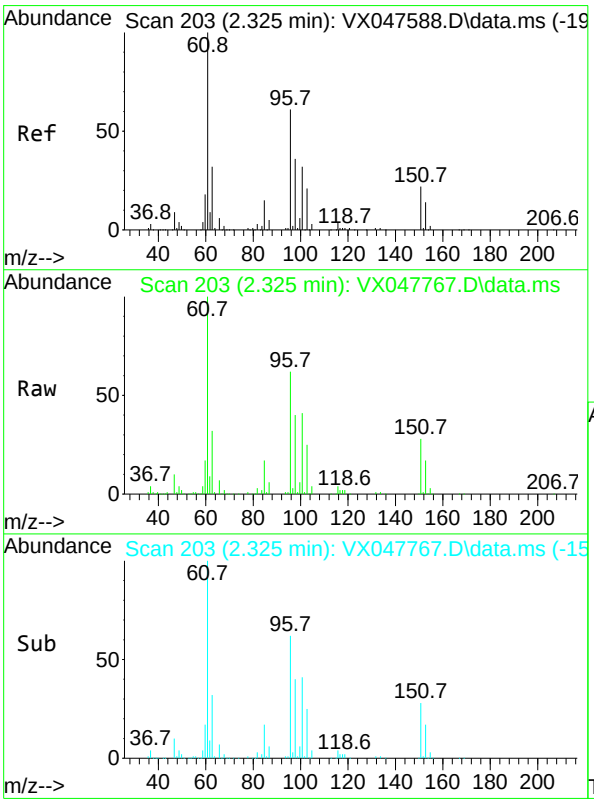
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

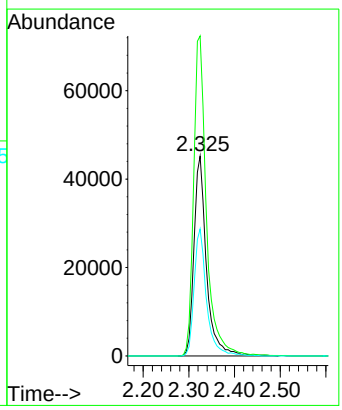
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

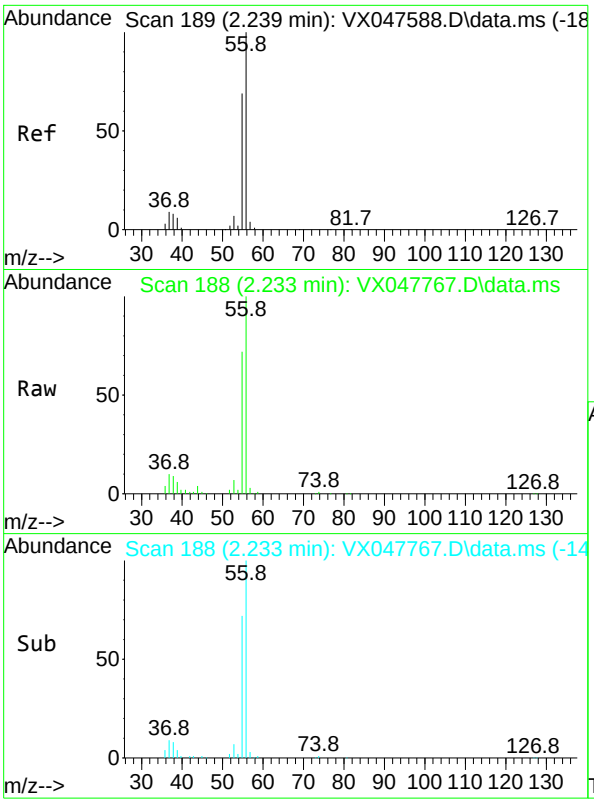



#12
1,1-Dichloroethene
Concen: 53.075 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 96 Resp: 85914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 131.0 | 196.6 |
| 98 | 63.6 | 47.7 | 71.5 |

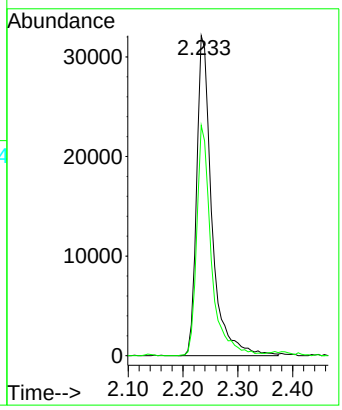





#13
Acrolein
Concen: 278.592 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 56 Resp: 6200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.2 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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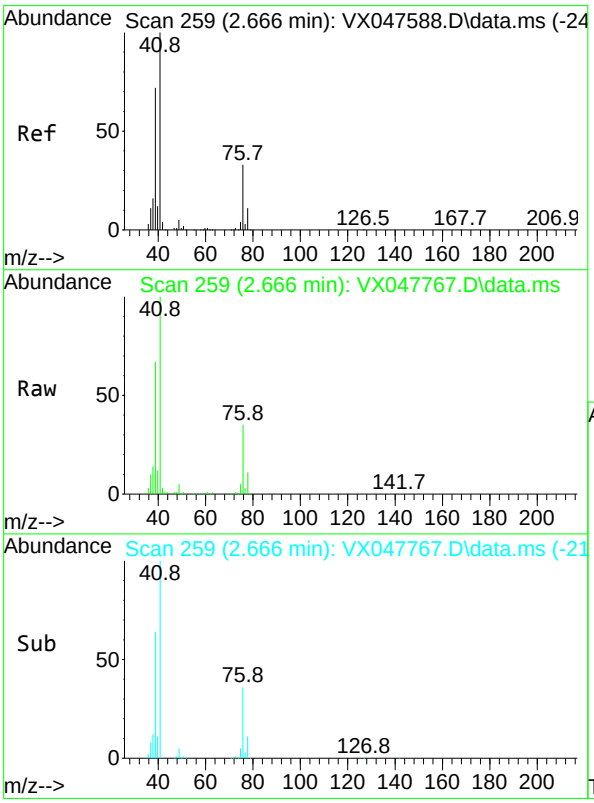
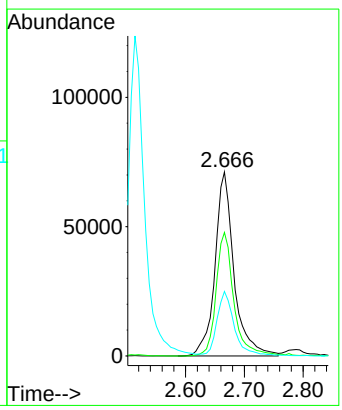
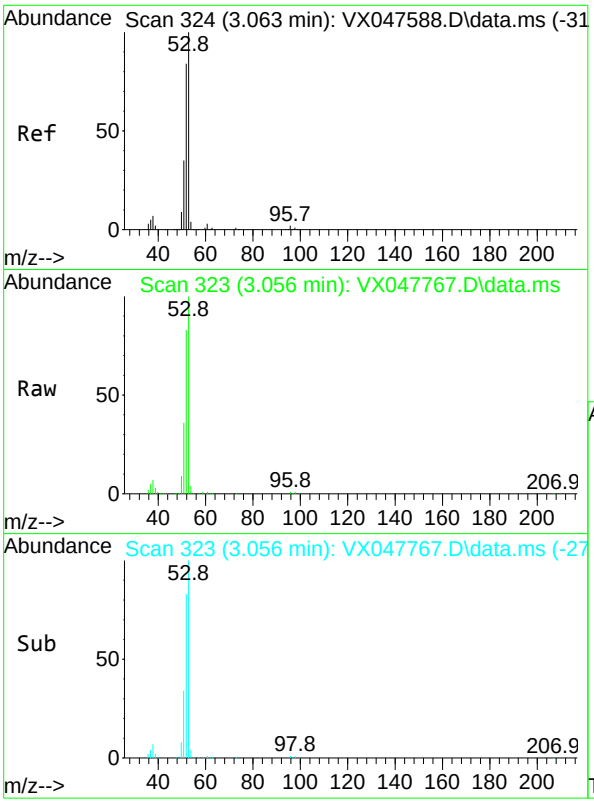



#14
Allyl chloride
Concen: 47.997 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 41 Resp: 160323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.7 | 54.7 | 82.1 |
| 76 | 31.5 | 25.7 | 38.5 |

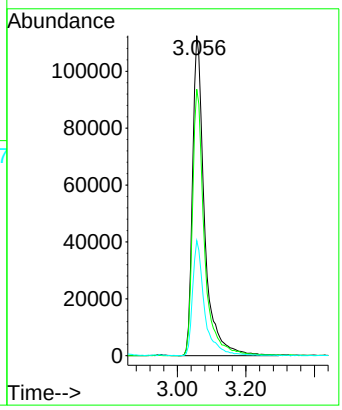





#15
Acrylonitrile
Concen: 306.873 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 53 Resp: 27454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 66.4 | 99.6 |
| 51 | 35.9 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

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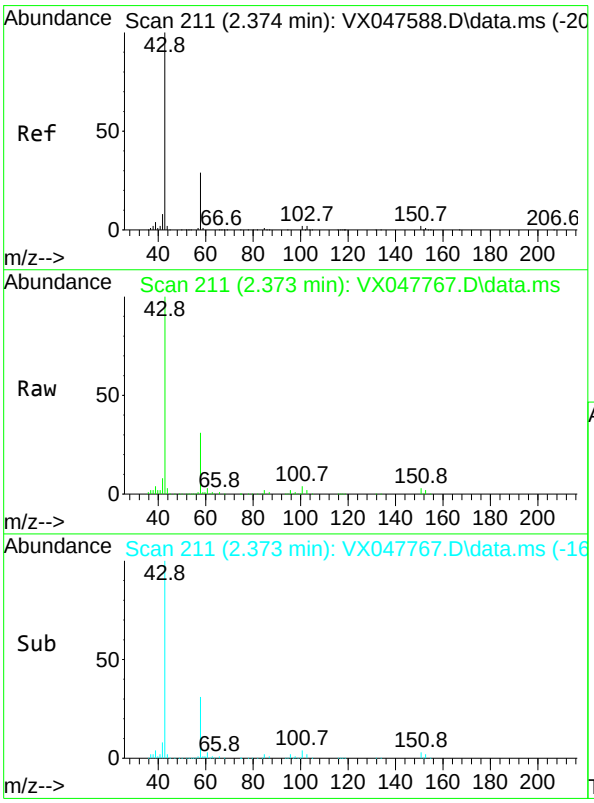
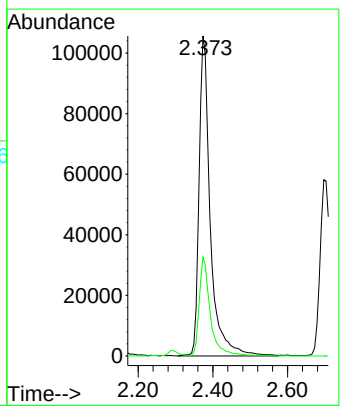
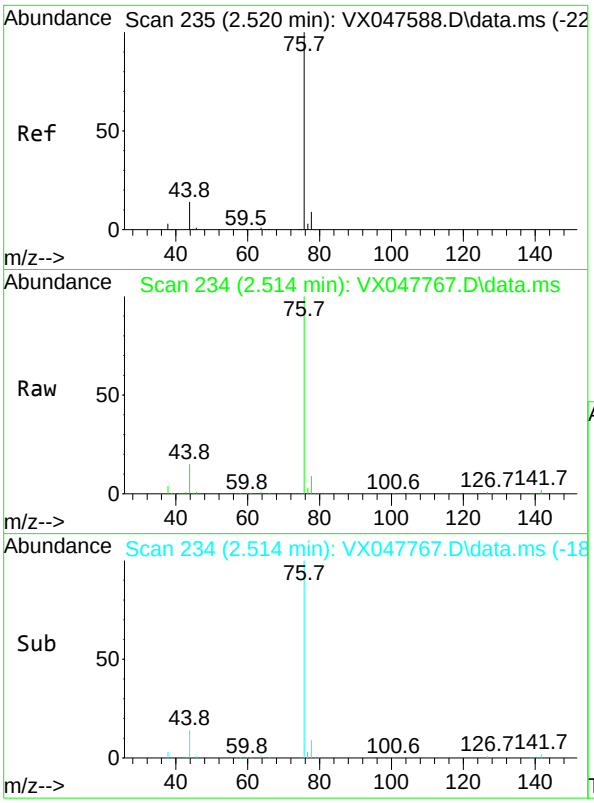



#16
Acetone
Concen: 233.292 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 219982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 23.4 | 35.0 |






#17
Carbon Disulfide
Concen: 52.888 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

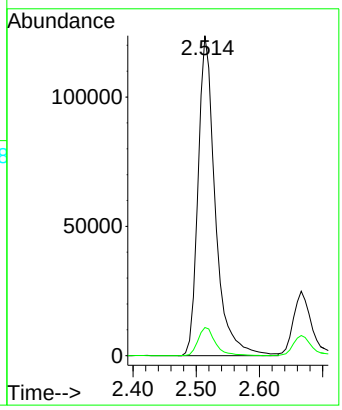
Tgt Ion: 76 Resp: 23437

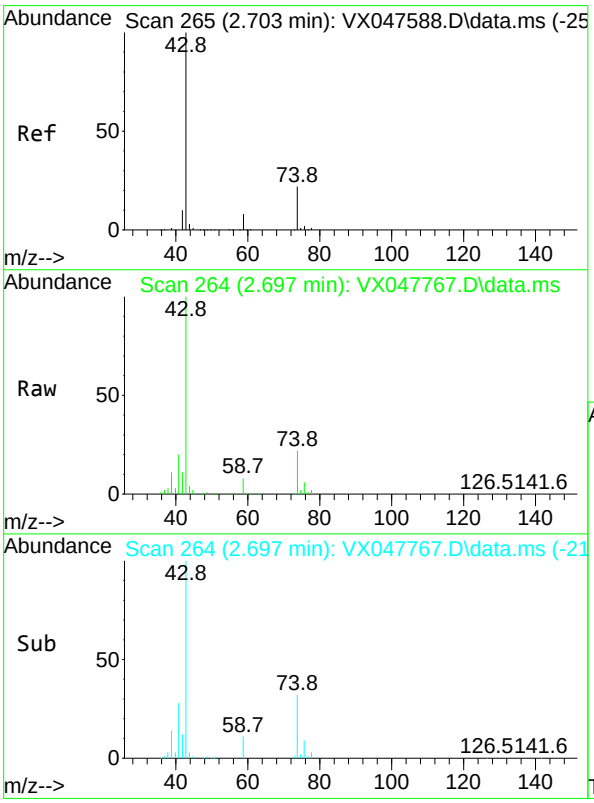
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 6.8 | 10.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

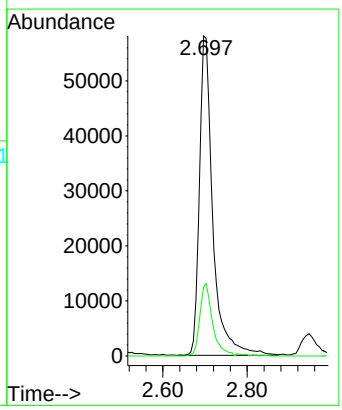


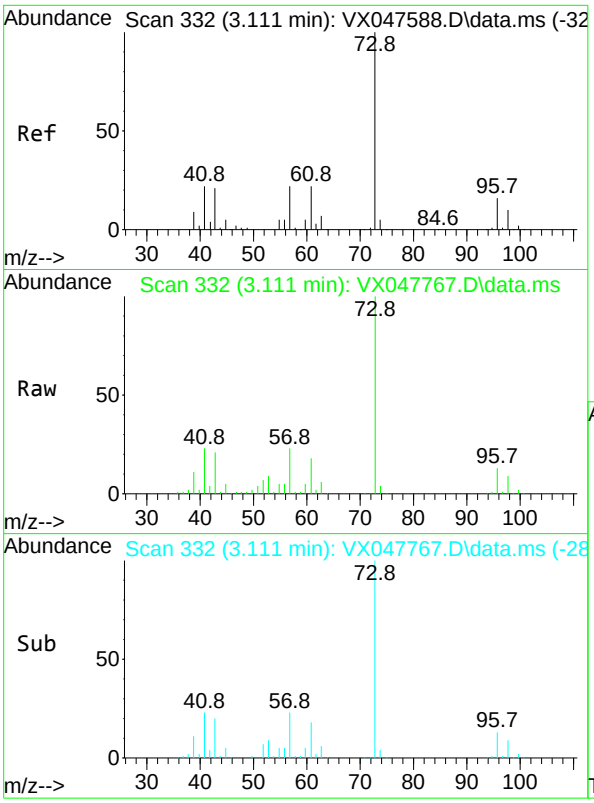




#18
Methyl Acetate
Concen: 61.011 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 128034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.6 | 17.4 | 26.2 |

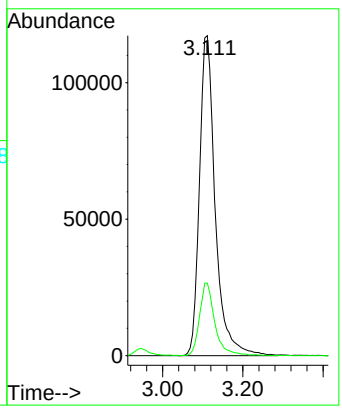





#19
Methyl tert-butyl Ether
Concen: 54.228 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 73 Resp: 32043

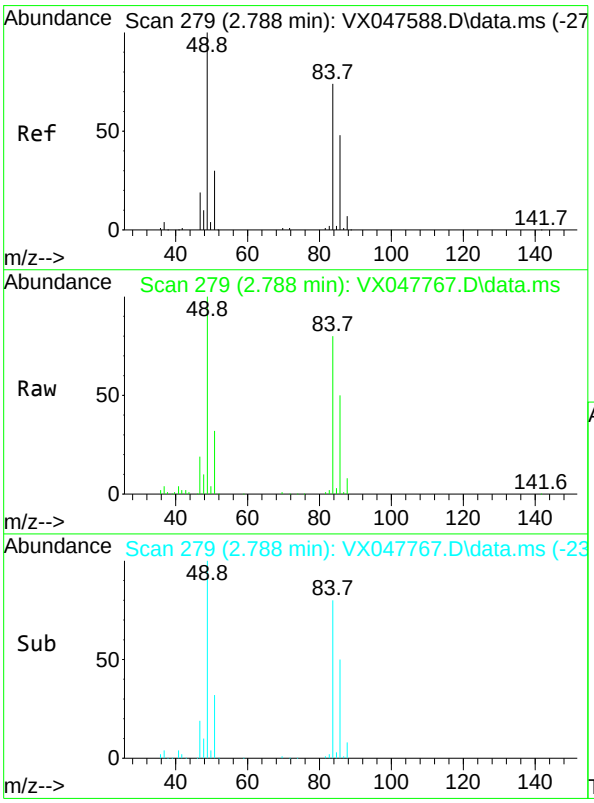
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

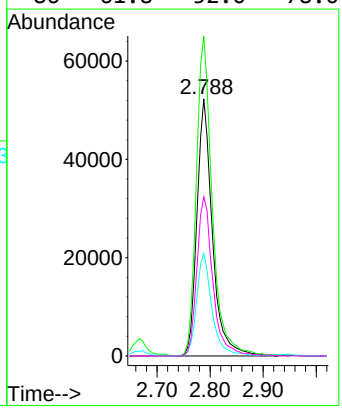
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

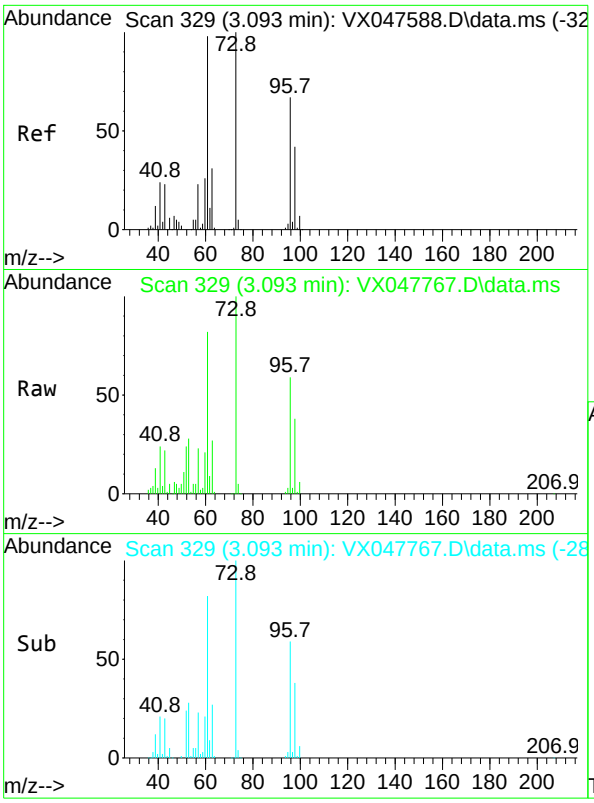



#20
Methylene Chloride
Concen: 53.176 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 84 Resp: 106137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.3 | 108.6 | 162.8 |
| 51 | 39.9 | 32.6 | 48.8 |
| 86 | 61.8 | 52.0 | 78.0 |

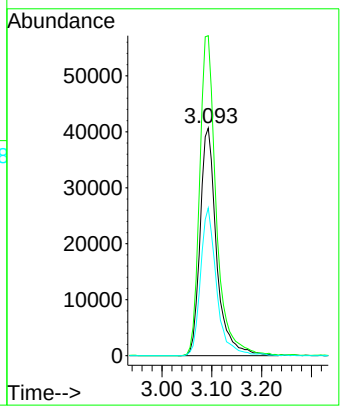





#21
trans-1,2-Dichloroethene
Concen: 53.545 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 96 Resp: 9331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 116.2 | 174.2 |
| 98 | 64.9 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
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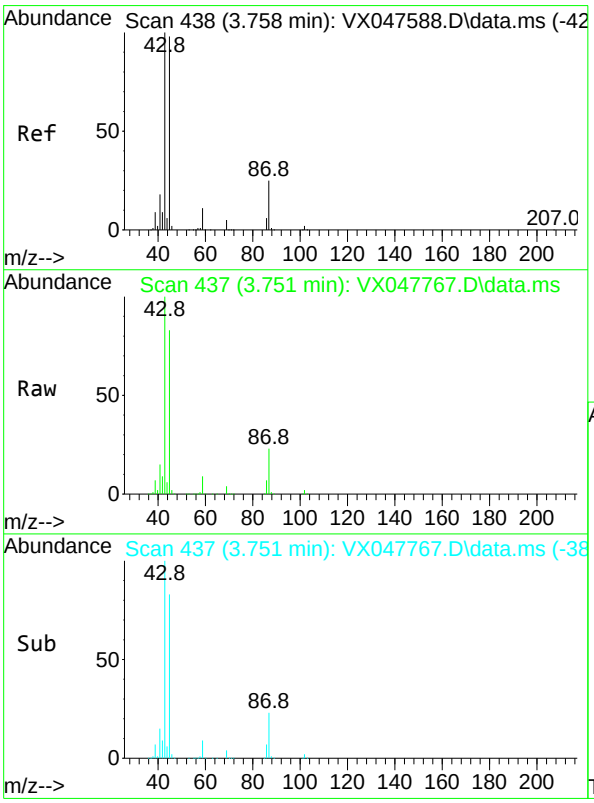
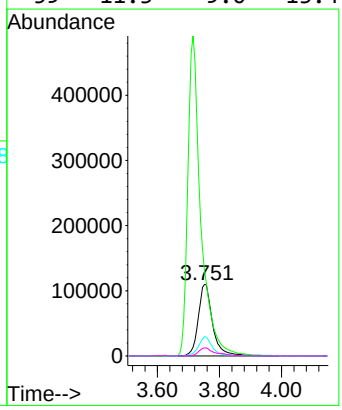
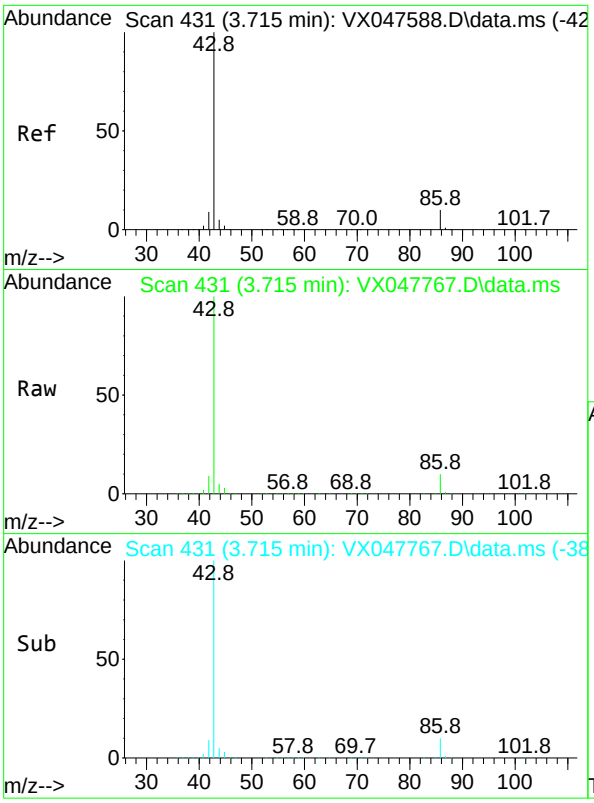



#22
Diisopropyl ether
Concen: 54.161 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 45 Resp: 350616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 119.1 | 81.0 | 121.4 |
| 87 | 27.2 | 20.3 | 30.5 |
| 59 | 11.3 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 278.405 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 144245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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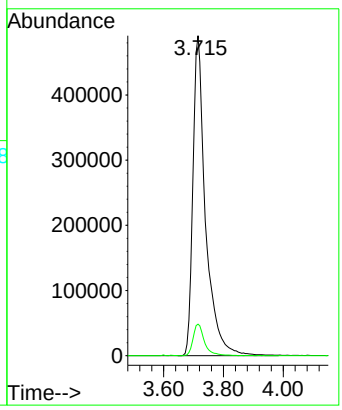
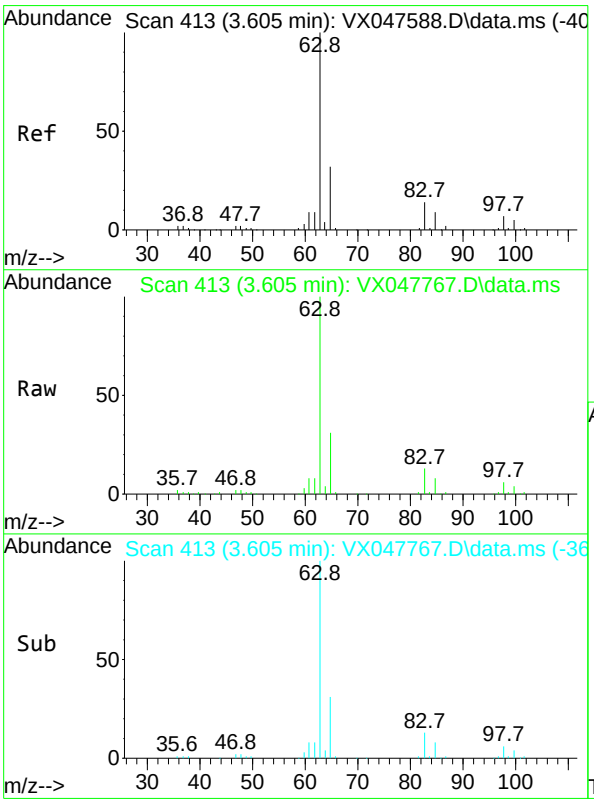
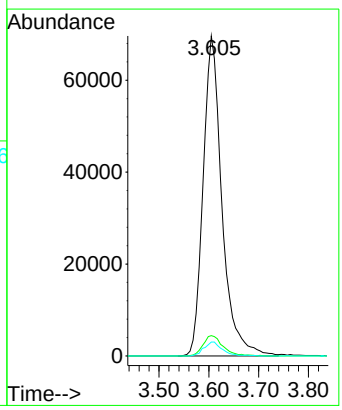


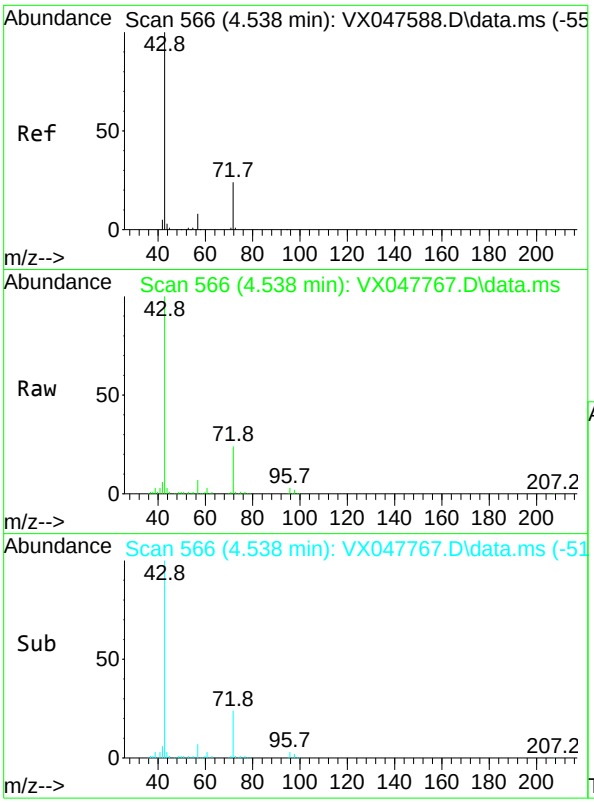




#24
1,1-Dichloroethane
Concen: 53.106 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 63 Resp: 182725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |

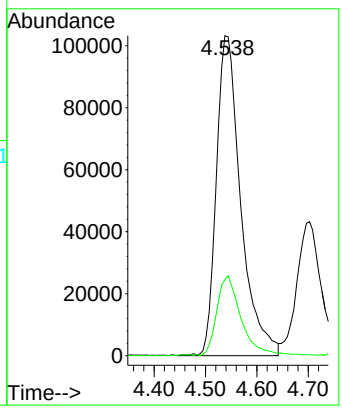





#25
2-Butanone
Concen: 289.378 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 34036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.6 | 20.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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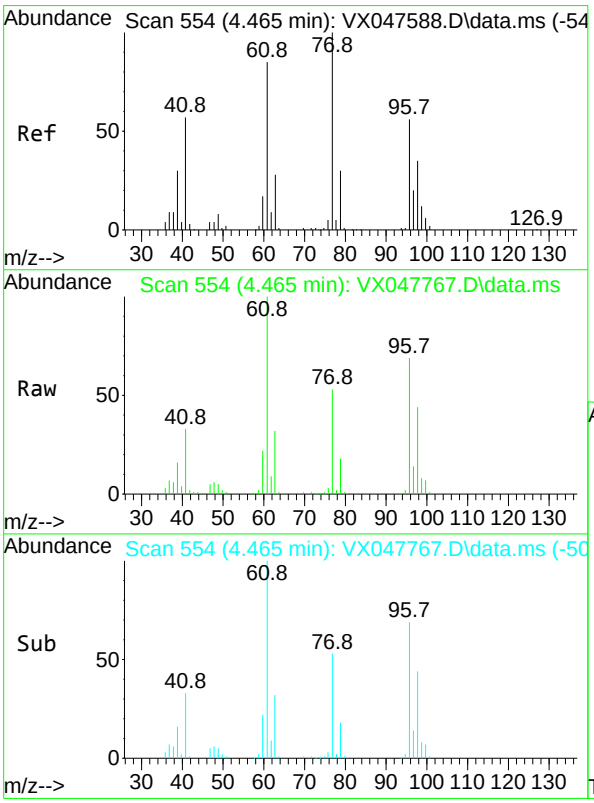
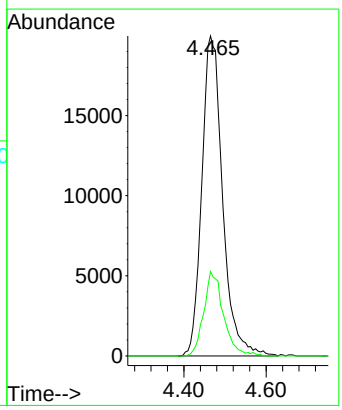
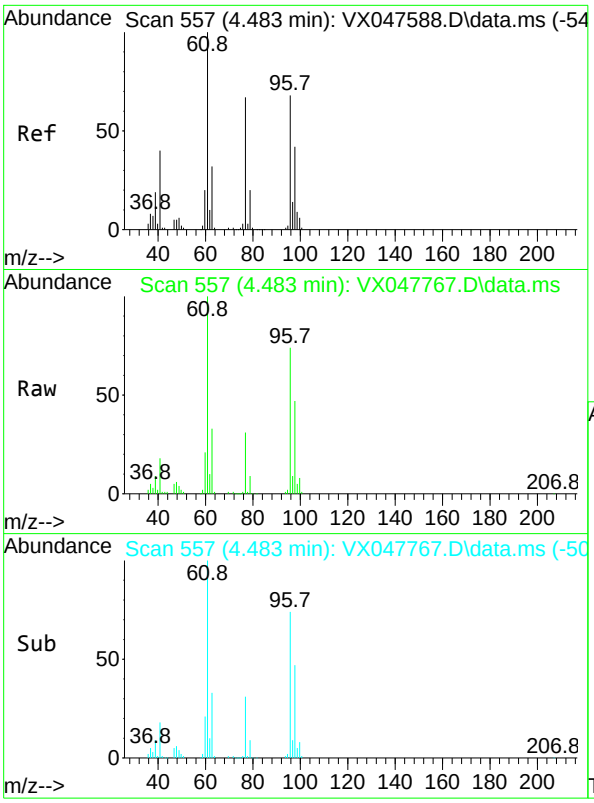



#26
2,2-Dichloropropane
Concen: 24.508 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 77 Resp: 70096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.0 | 10.9 | 32.7 |

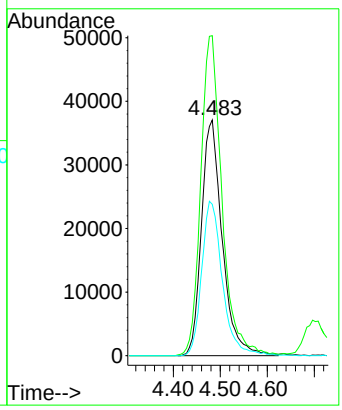





#27
cis-1,2-Dichloroethene
Concen: 53.299 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 96 Resp: 11375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 0.0 | 303.2 |
| 98 | 65.5 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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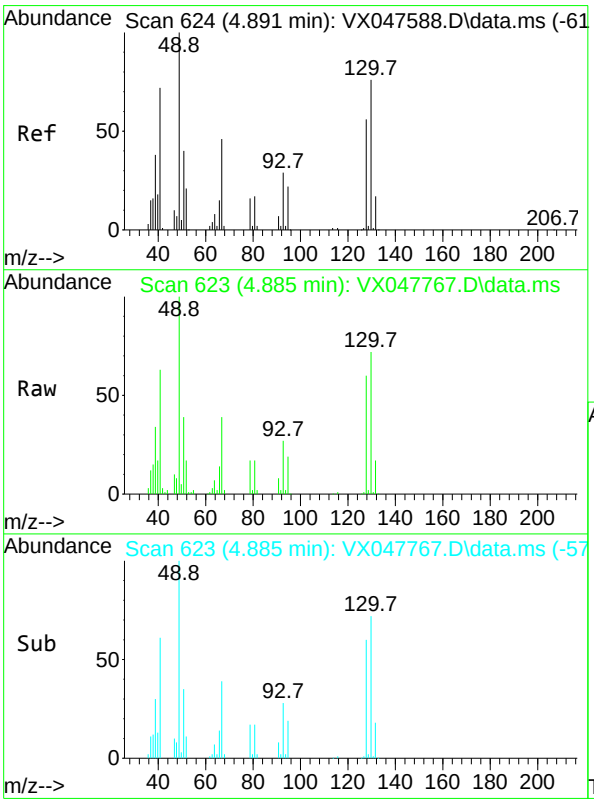
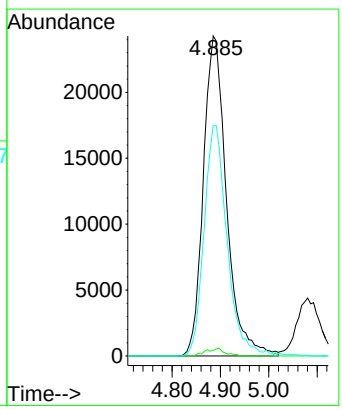
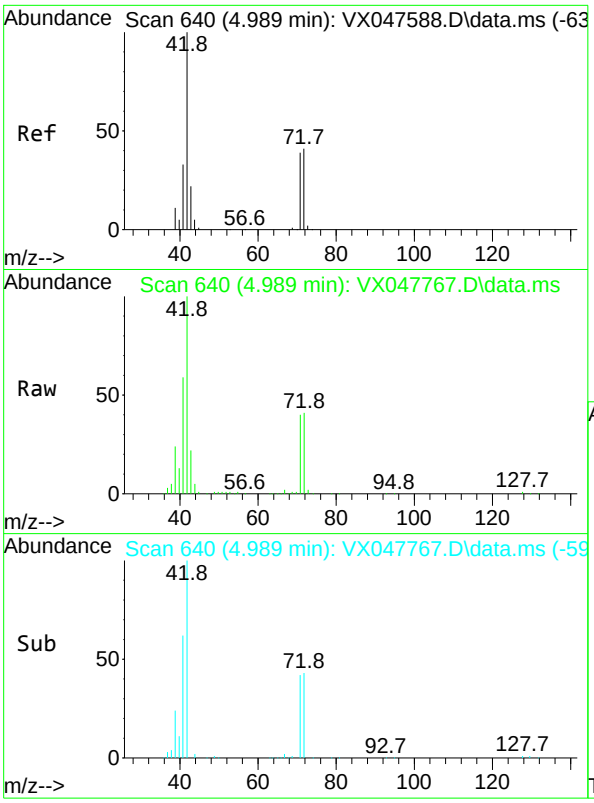



#28
Bromochloromethane
Concen: 53.622 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 49 Resp: 80547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 71.6 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 311.862 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 42 Resp: 22066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.6 | 34.2 | 51.2 |
| 71 | 39.6 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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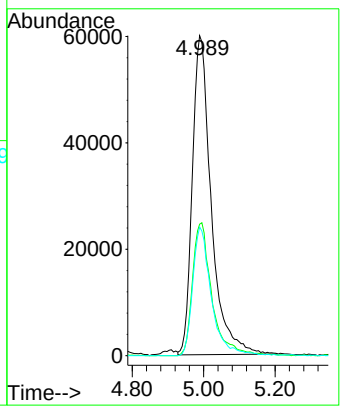
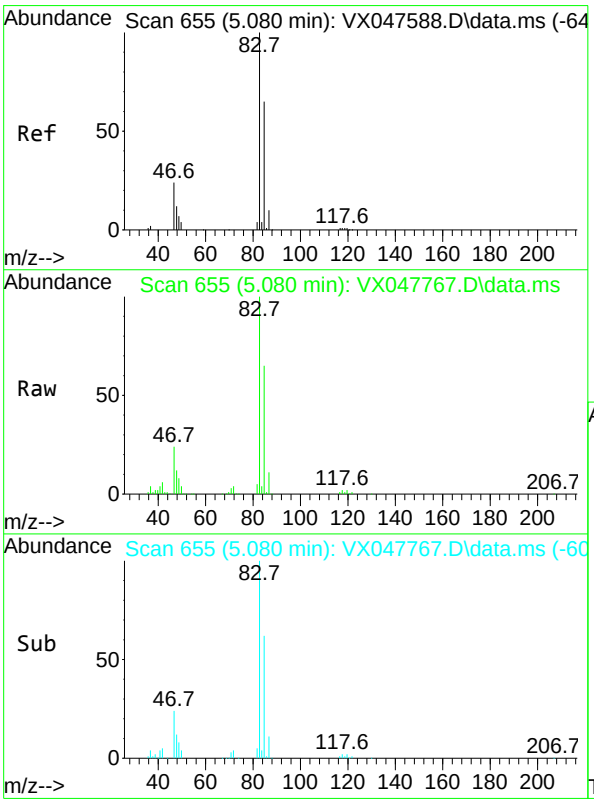
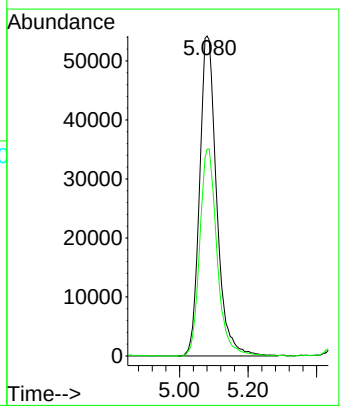


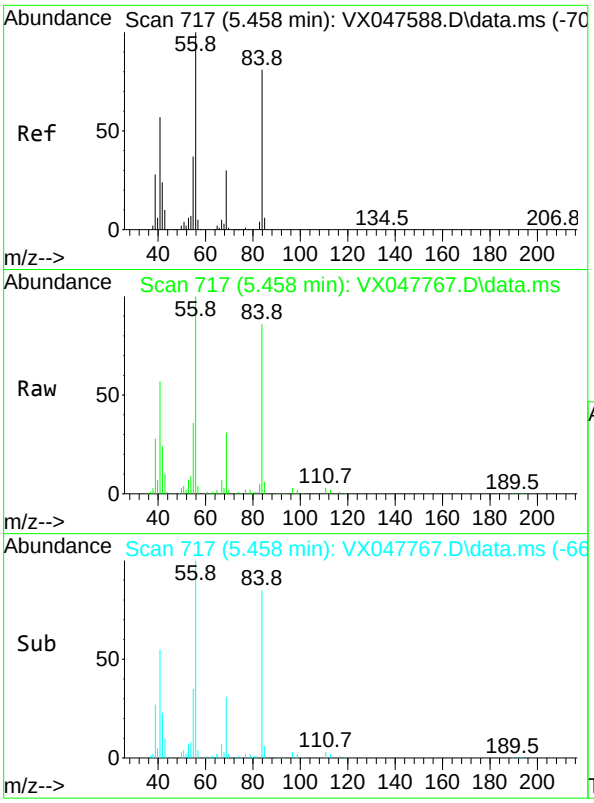




#30
Chloroform
Concen: 53.913 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 83 Resp: 187454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.8 | 77.6 |

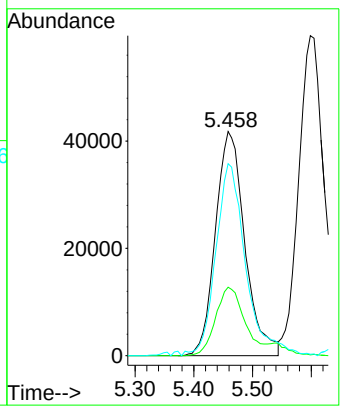





#31
Cyclohexane
Concen: 50.693 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 56 Resp: 14527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 23.8 | 35.8 |
| 84 | 83.7 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

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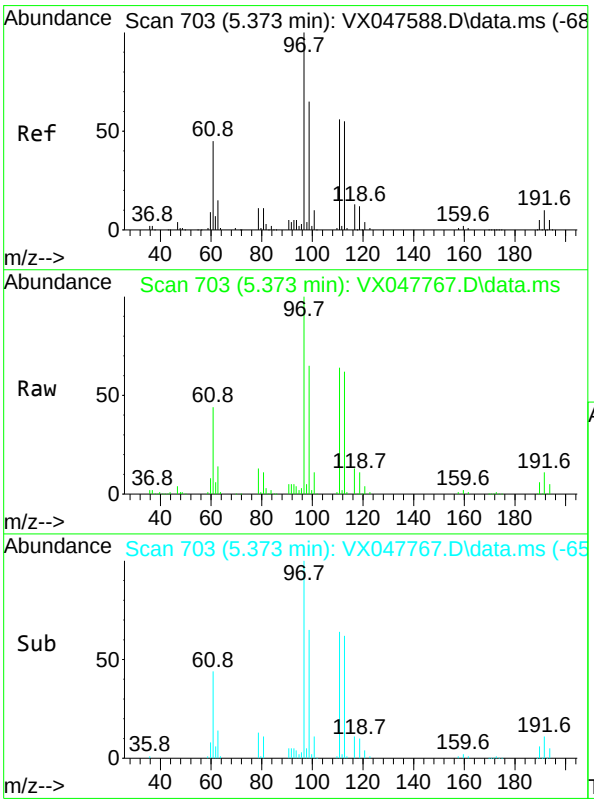
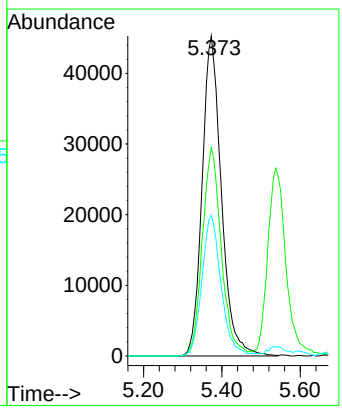
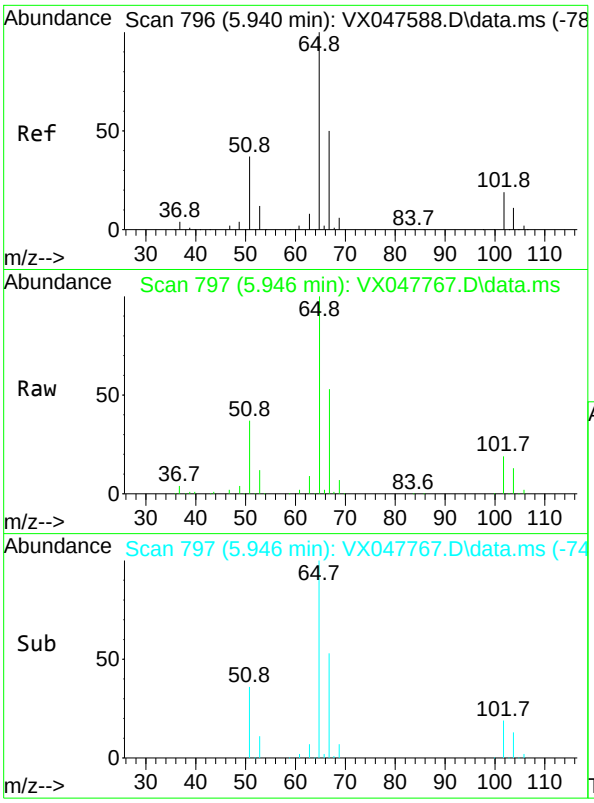



#32
1,1,1-Trichloroethane
Concen: 52.395 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 97 Resp: 154526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.6 | 76.0 |
| 61 | 43.6 | 35.8 | 53.8 |

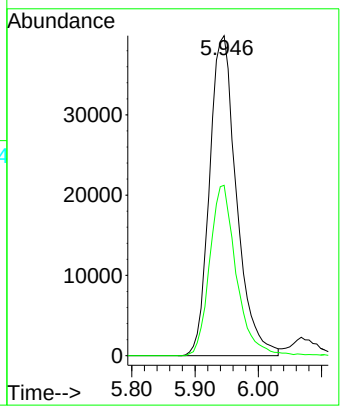





#33
1,2-Dichloroethane-d4
Concen: 54.388 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 65 Resp: 11794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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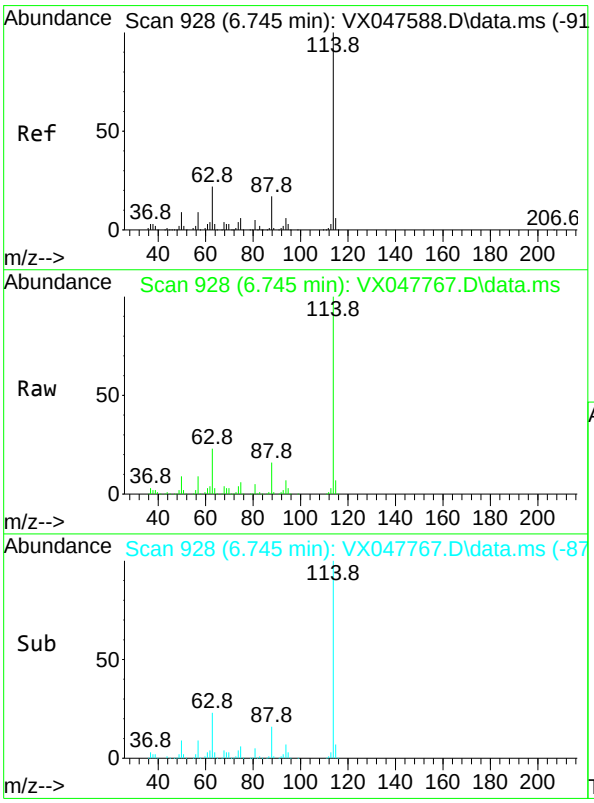
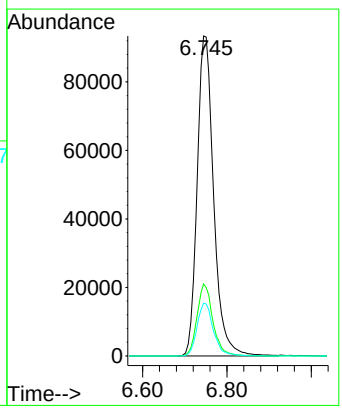
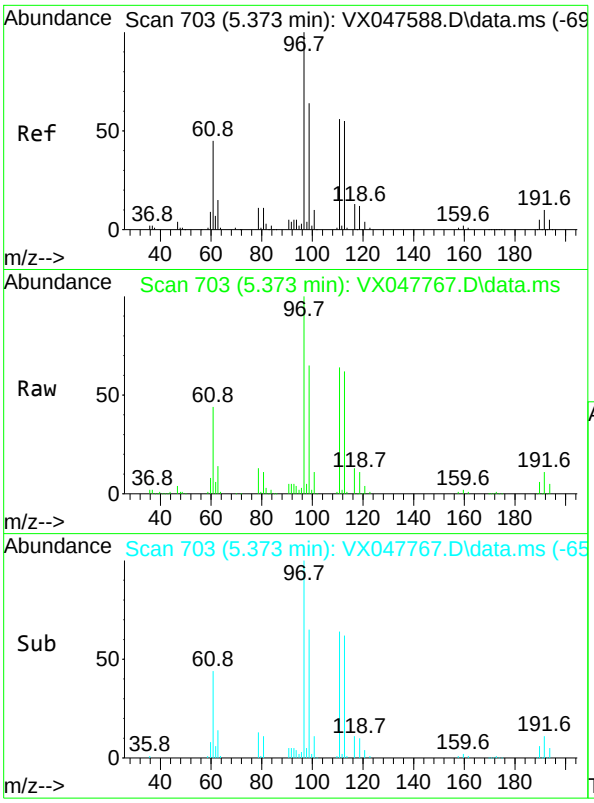



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:114 Resp: 254252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |

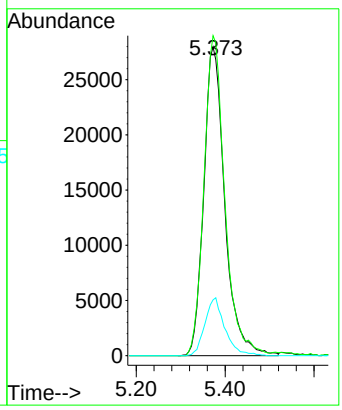





#35
Dibromofluoromethane
Concen: 53.983 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:113 Resp: 9204

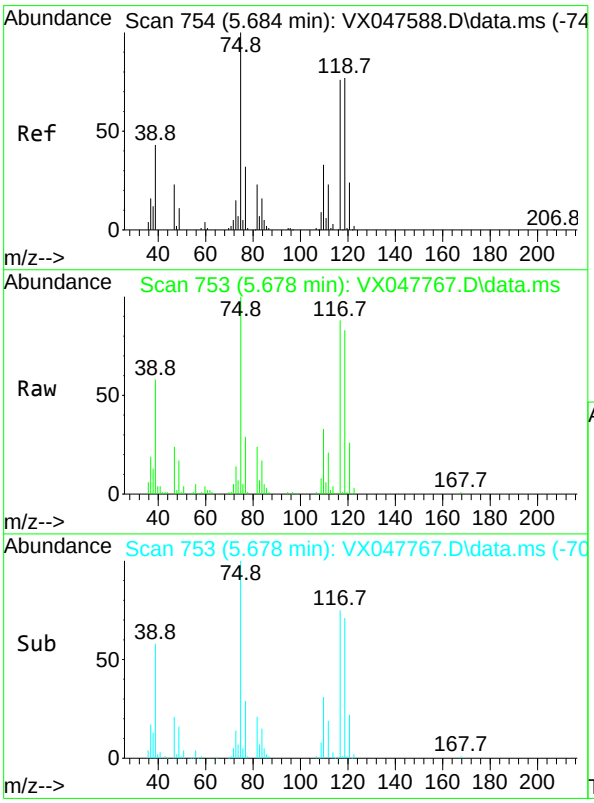
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

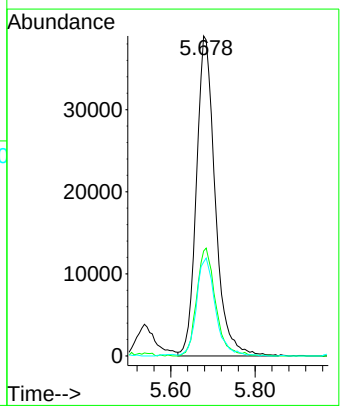
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

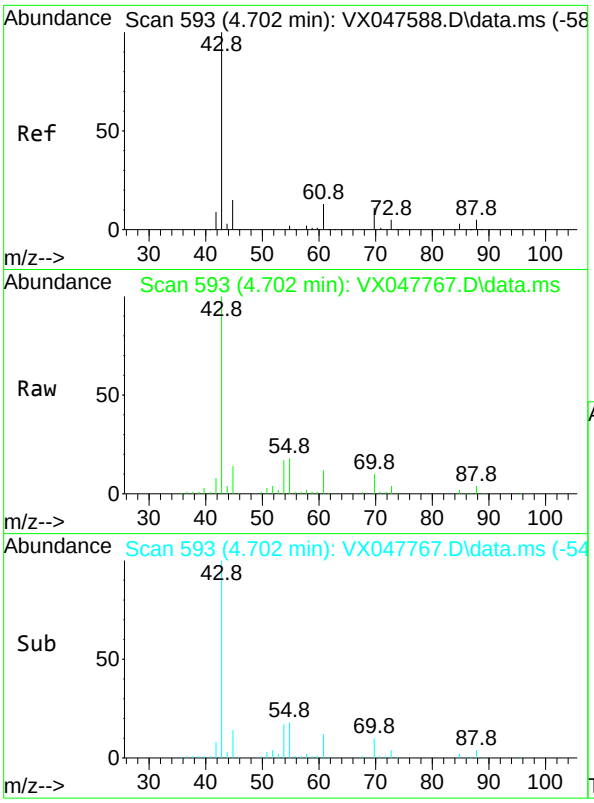



#36
1,1-Dichloropropene
Concen: 48.437 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 120688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.7 | 50.1 |
| 77 | 30.0 | 24.3 | 36.5 |

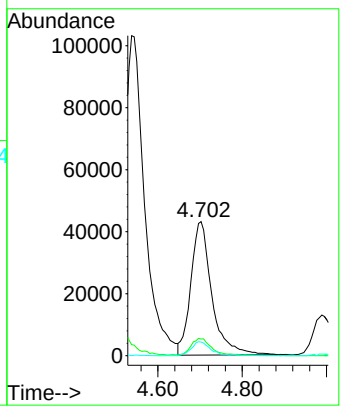





#37
Ethyl Acetate
Concen: 55.869 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 14904

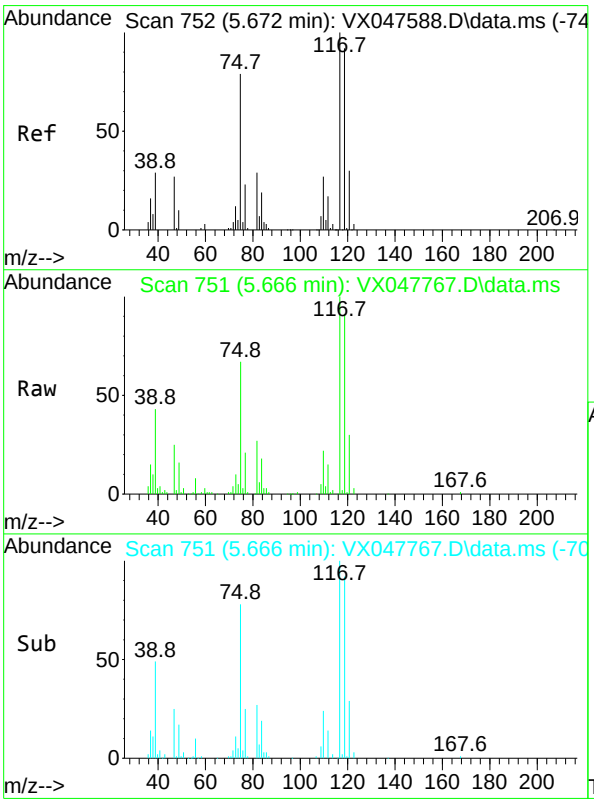
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.8 | 14.8 |
| 70 | 9.4 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

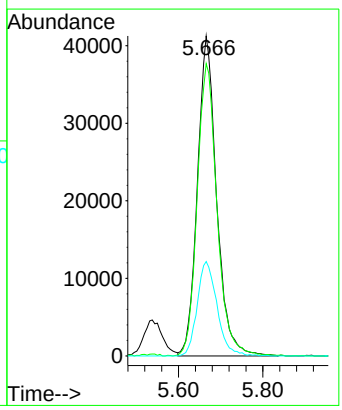
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

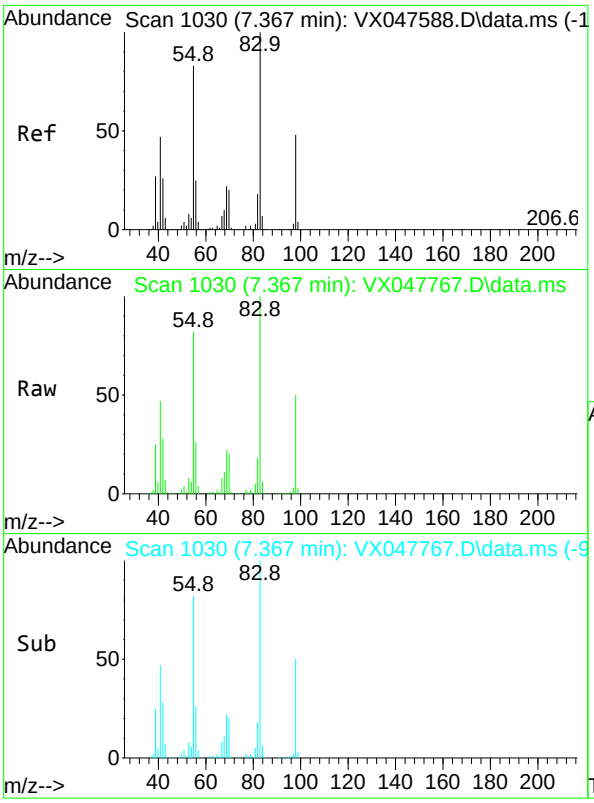



#38
Carbon Tetrachloride
Concen: 48.322 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:117 Resp: 130818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.2 | 73.4 | 110.2 |
| 121 | 29.5 | 23.8 | 35.6 |

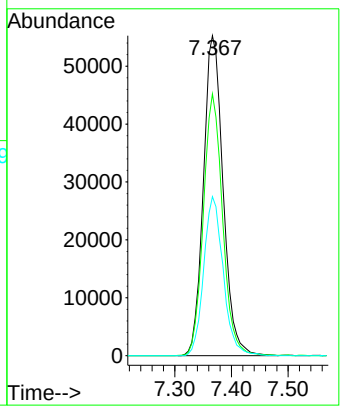





#39
Methylcyclohexane
Concen: 47.171 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 83 Resp: 13341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.7 | 66.4 | 99.6 |
| 98 | 49.7 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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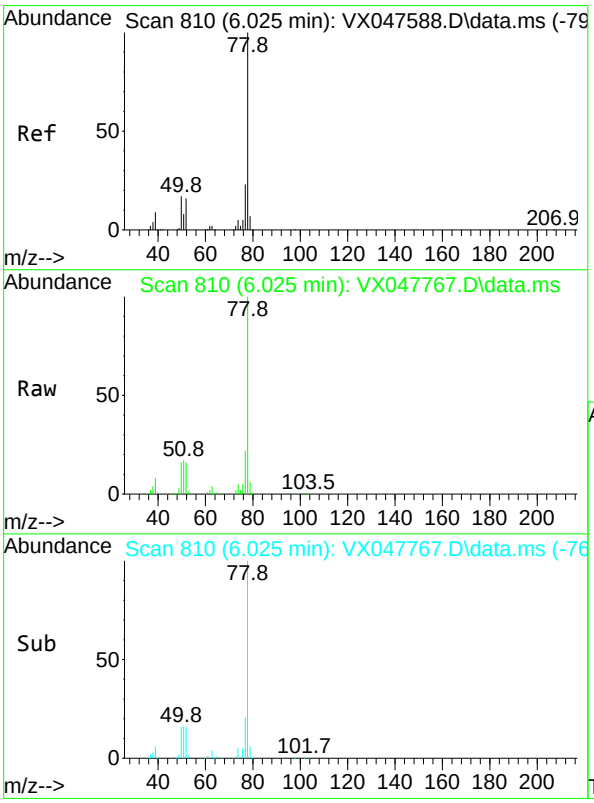
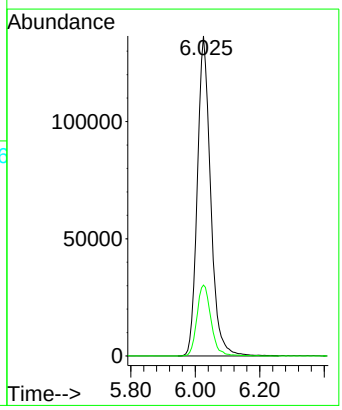
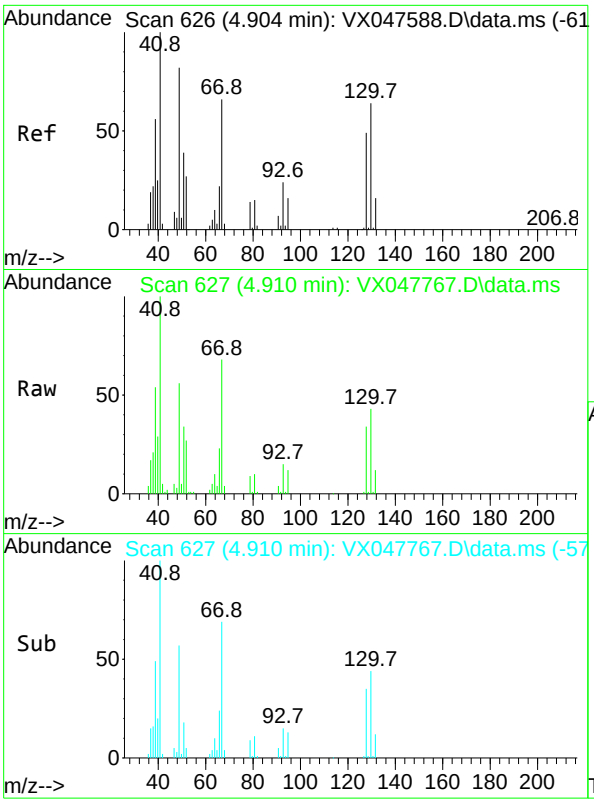



#40
Benzene
Concen: 51.523 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 78 Resp: 389912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.2 | 18.8 | 28.2 |

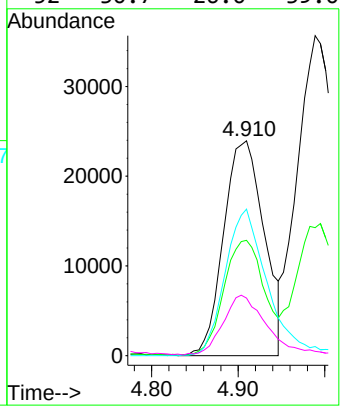





#41
Methacrylonitrile
Concen: 56.618 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 41 Resp: 7797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 30.7 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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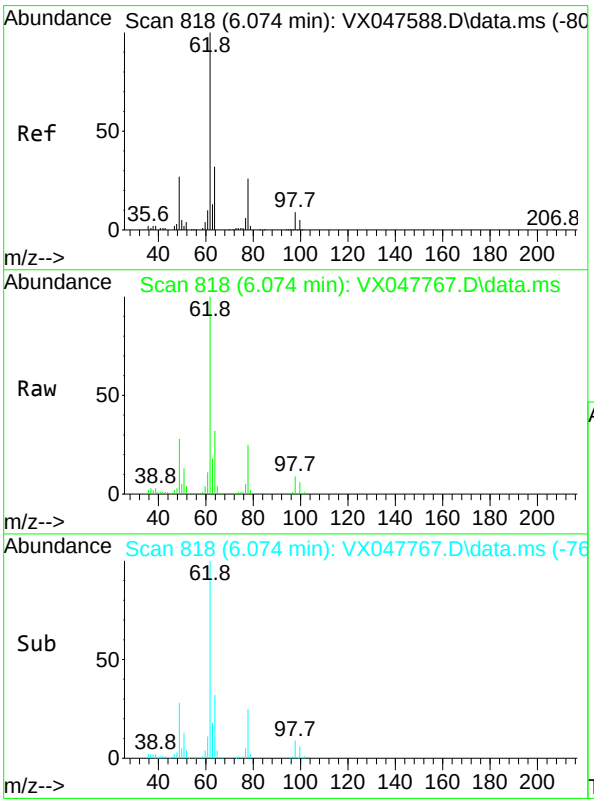
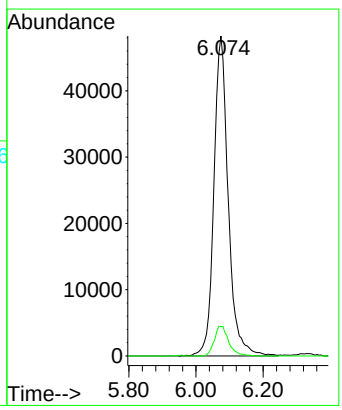
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

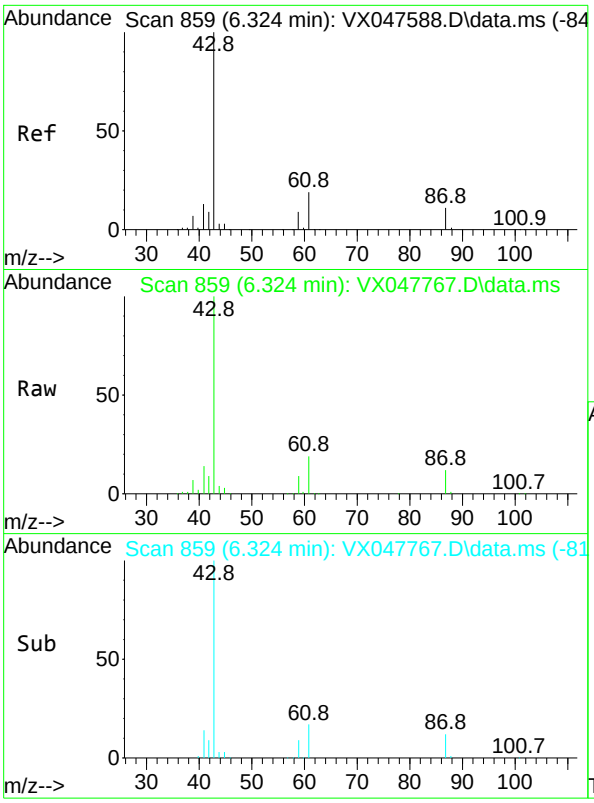



#42
1,2-Dichloroethane
Concen: 49.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 62 Resp: 143000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.0 |

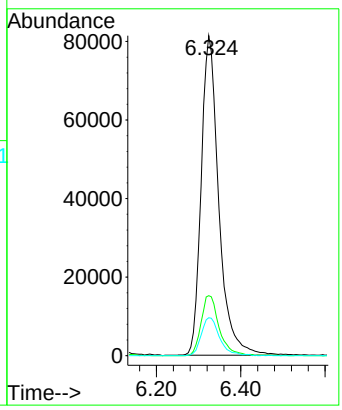





#43
Isopropyl Acetate
Concen: 53.933 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 23598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.4 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
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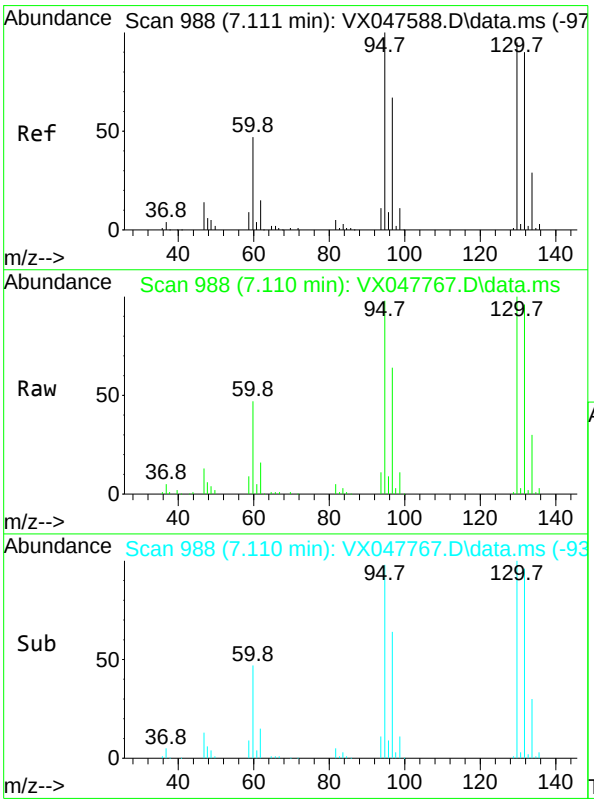
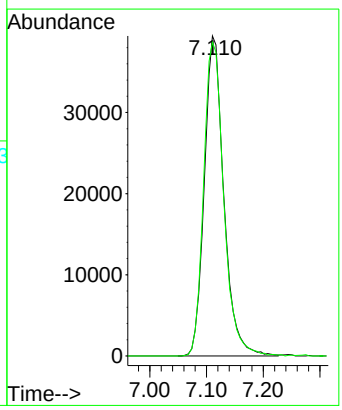
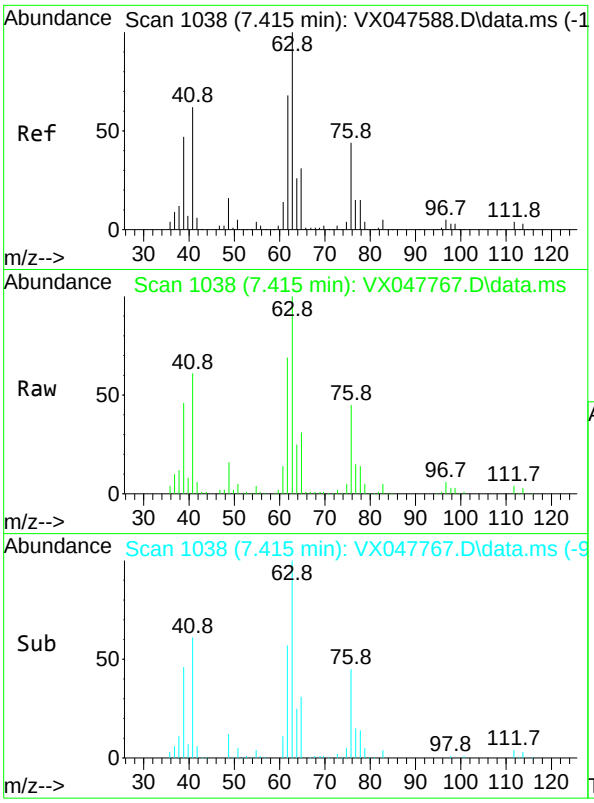



#44
Trichloroethene
Concen: 51.488 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:130 Resp: 94203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 210.8 |

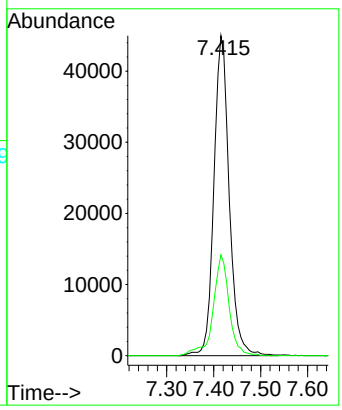





#45
1,2-Dichloropropane
Concen: 52.653 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 63 Resp: 10203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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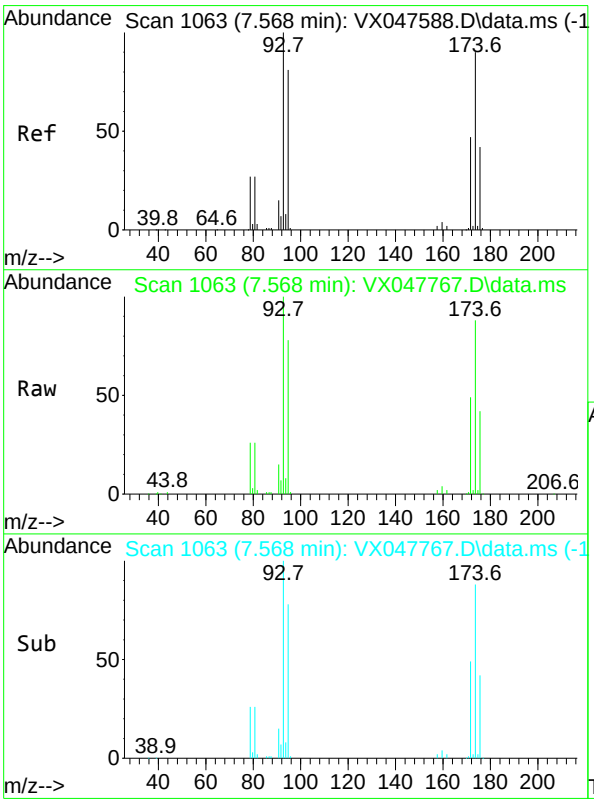
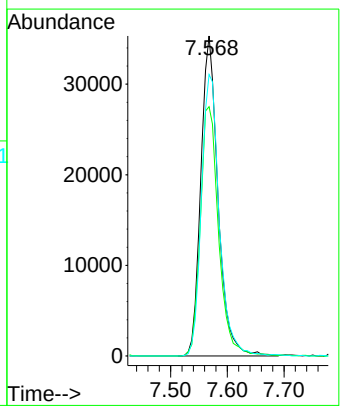
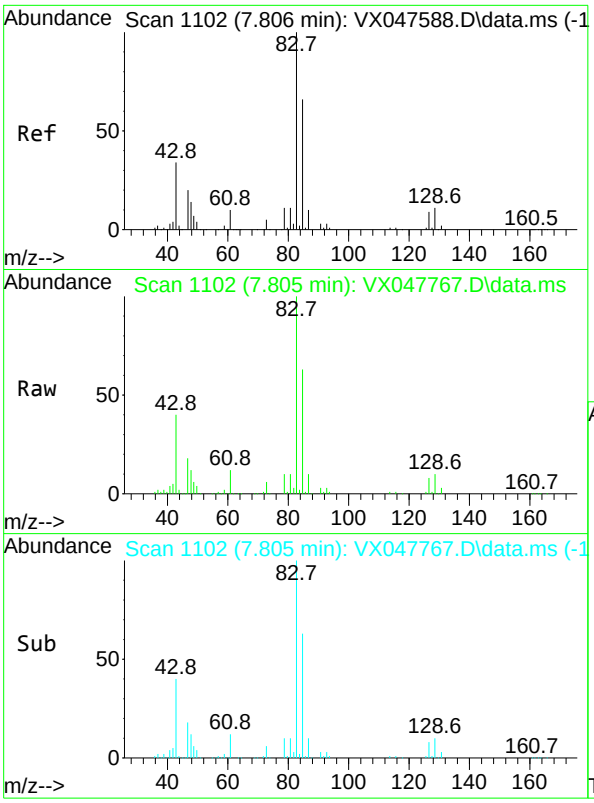



#46
Dibromomethane
Concen: 52.881 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 93 Resp: 74570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 91.5 | 71.6 | 107.4 |

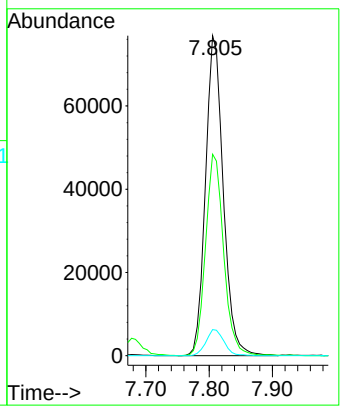





#47
Bromodichloromethane
Concen: 51.676 ug/l
RT: 7.805 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 83 Resp: 15037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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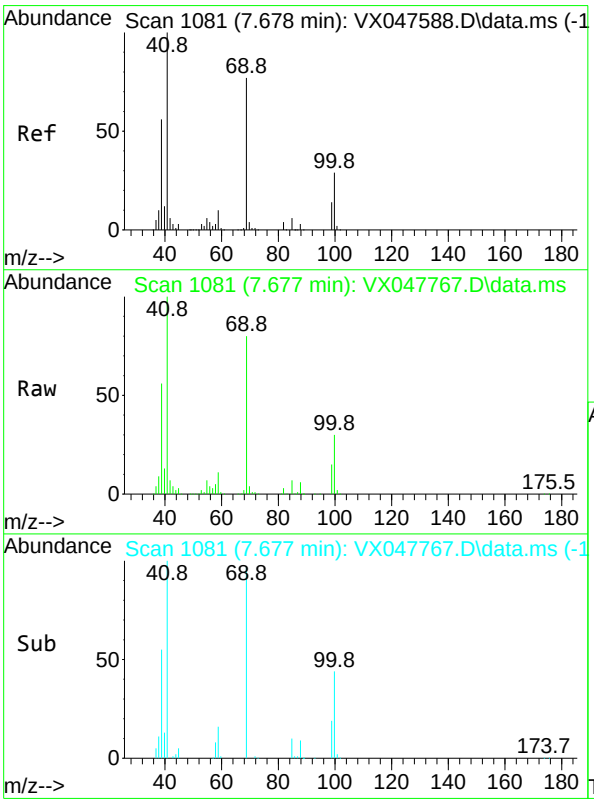
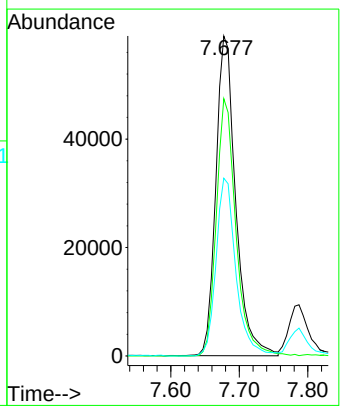
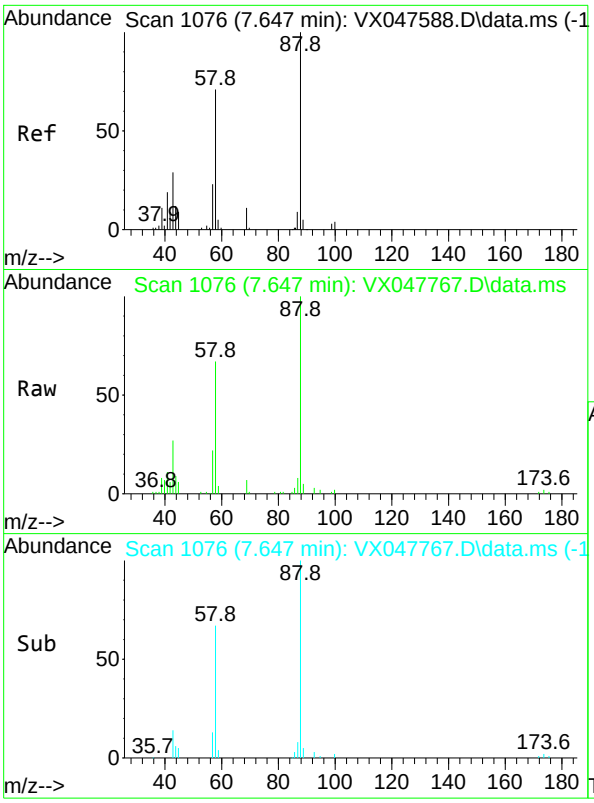



#48
Methyl methacrylate
Concen: 54.378 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 41 Resp: 118513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.6 | 61.4 | 92.2 |
| 39 | 55.7 | 45.8 | 68.6 |

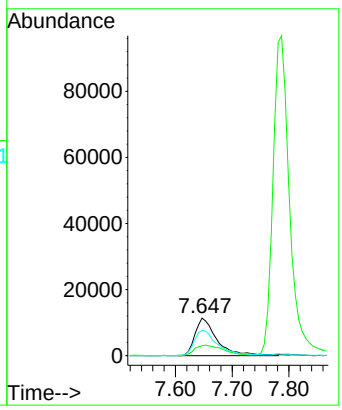





#49
1,4-Dioxane
Concen: 1379.627 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 88 Resp: 3038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 30.2 | 45.2 |
| 58 | 73.0 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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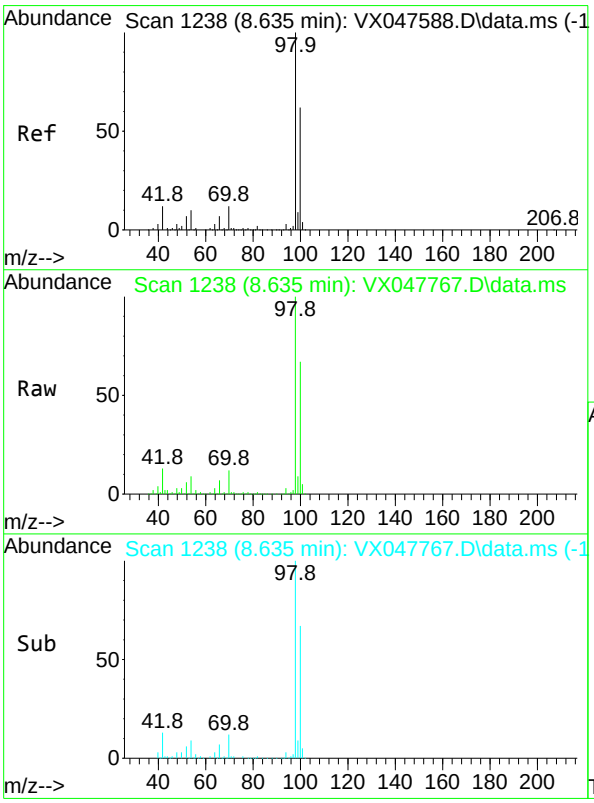
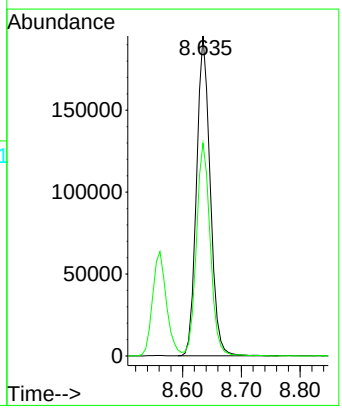
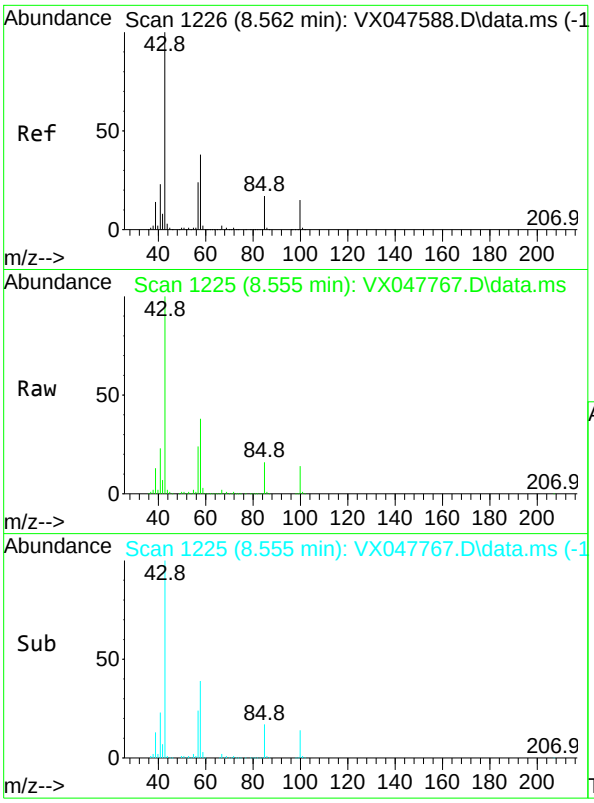



#50
Toluene-d8
Concen: 53.290 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 98 Resp: 314422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |

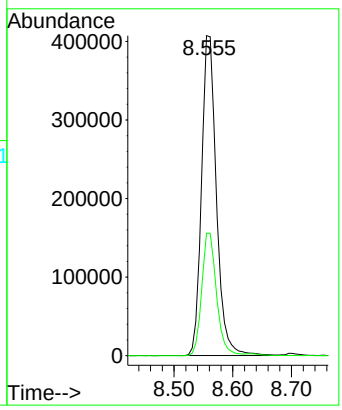





#51
4-Methyl-2-Pentanone
Concen: 296.207 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 71857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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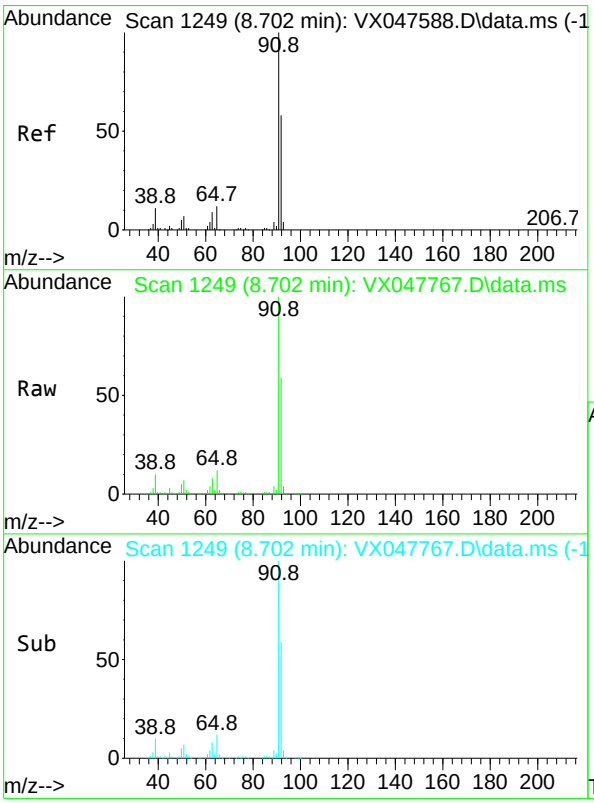
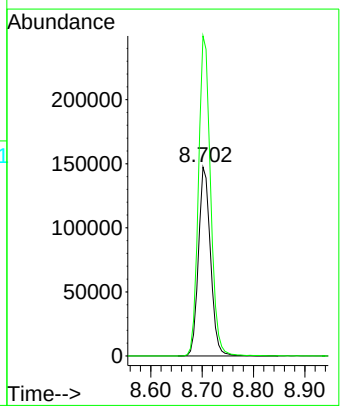
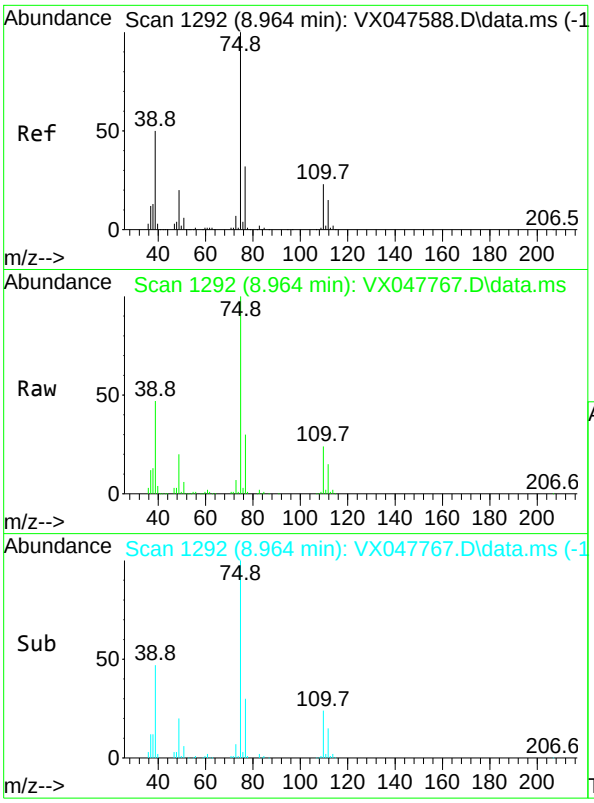



#52
Toluene
Concen: 51.397 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 92 Resp: 239637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 137.1 | 205.7 |

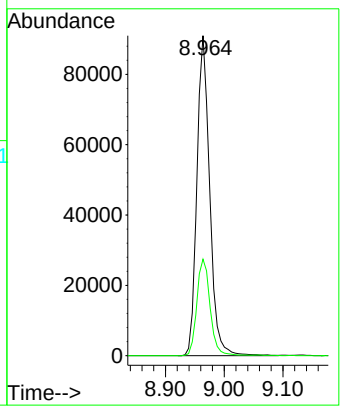





#53
t-1,3-Dichloropropene
Concen: 46.292 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 13740

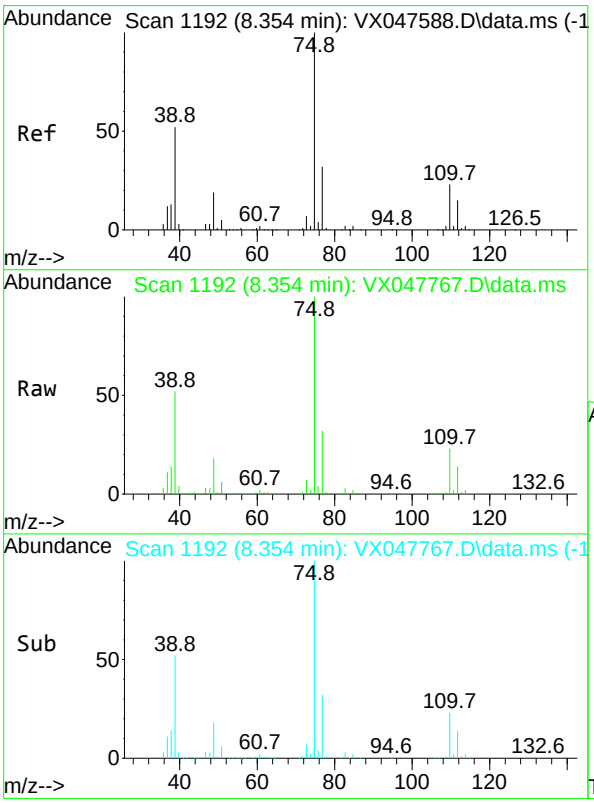
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

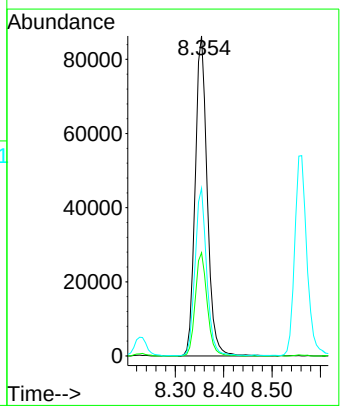
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

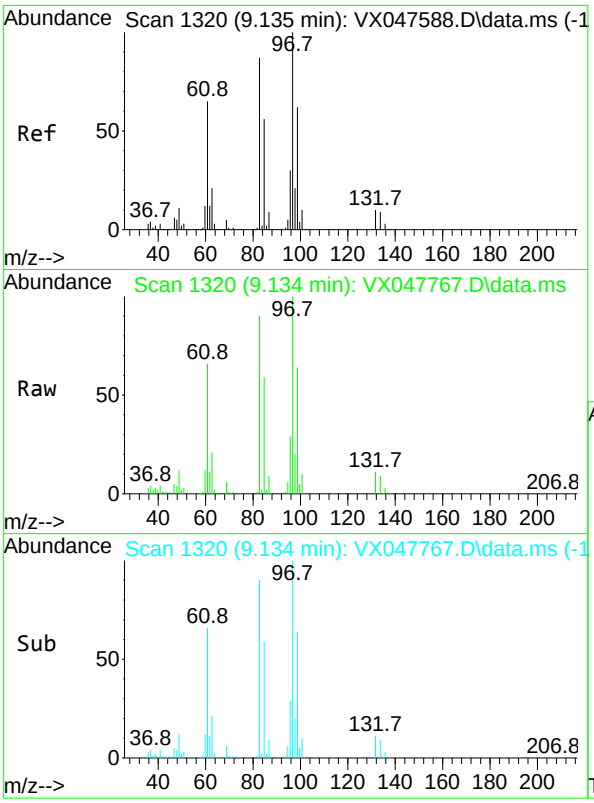



#54
cis-1,3-Dichloropropene
Concen: 47.013 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 149149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.8 | 38.6 |
| 39 | 51.7 | 41.4 | 62.2 |

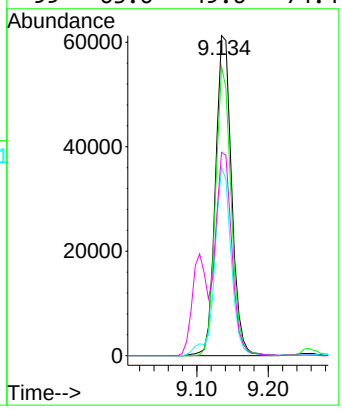





#55
1,1,2-Trichloroethane
Concen: 53.607 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 97 Resp: 9637

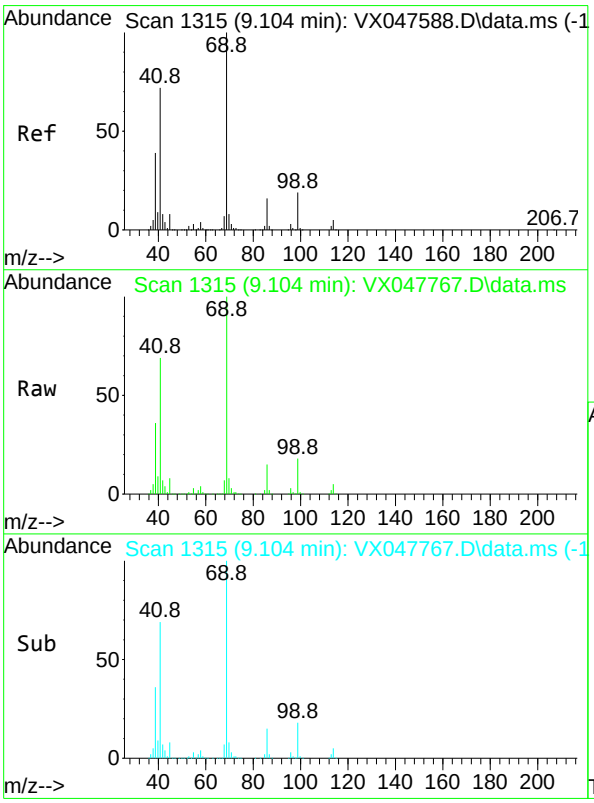
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.2 | 69.6 | 104.4 |
| 85 | 58.8 | 45.0 | 67.6 |
| 99 | 63.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

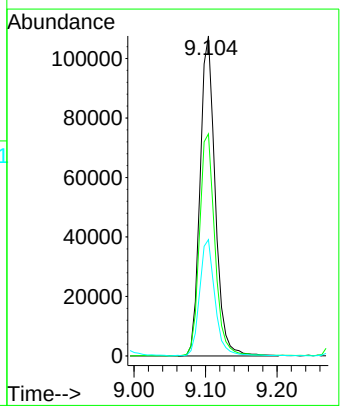
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

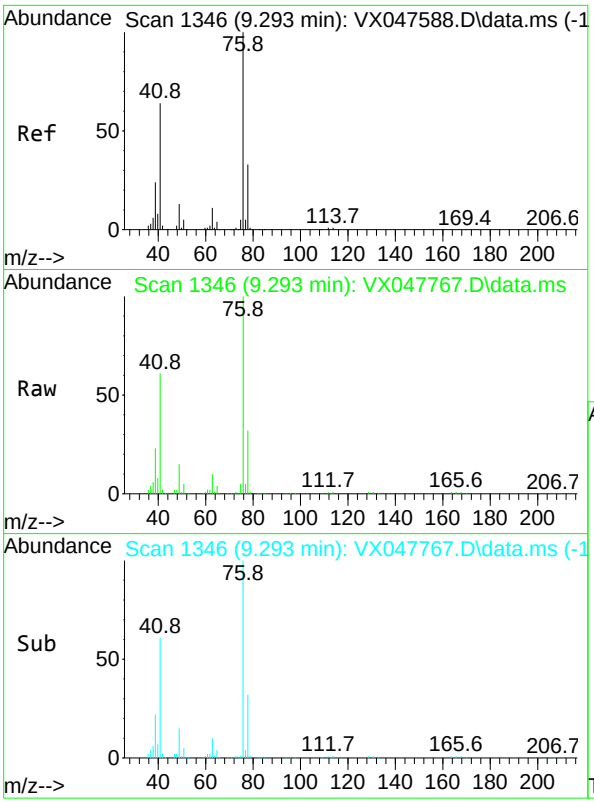



#56
Ethyl methacrylate
Concen: 56.087 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 69 Resp: 158357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.4 | 58.6 | 87.8 |
| 39 | 37.1 | 31.5 | 47.3 |

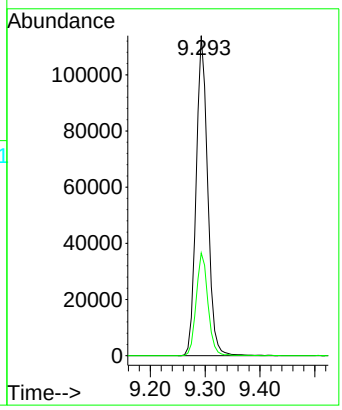





#57
1,3-Dichloropropane
Concen: 54.213 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 76 Resp: 16742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.2 | 39.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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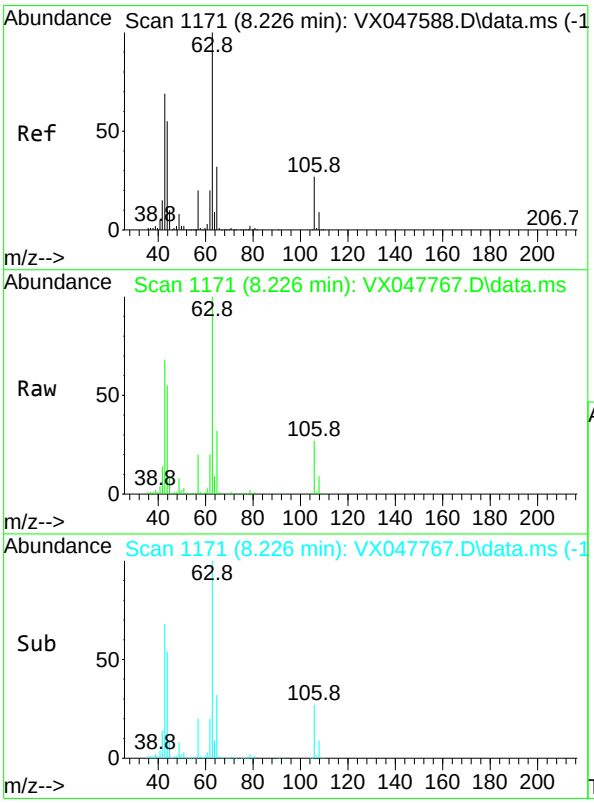
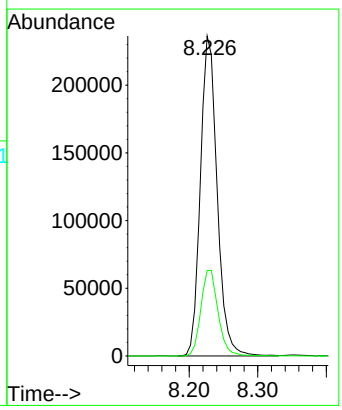
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

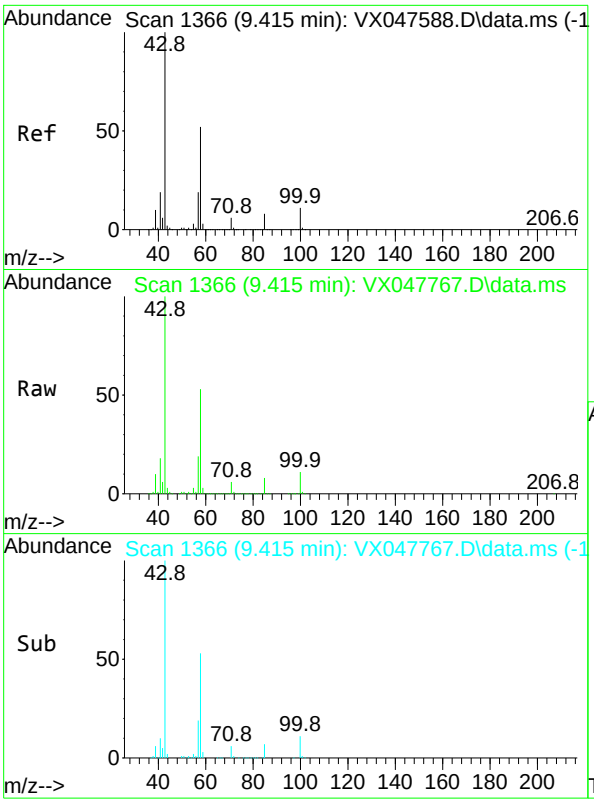



#58
2-Chloroethyl Vinyl ether
Concen: 294.817 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 63 Resp: 402380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 288.900 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 50335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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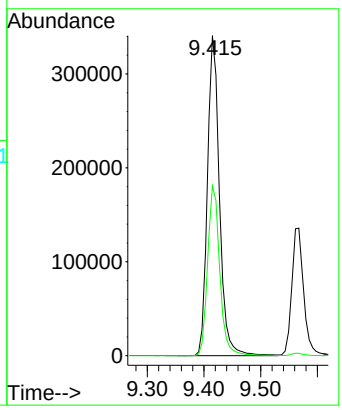
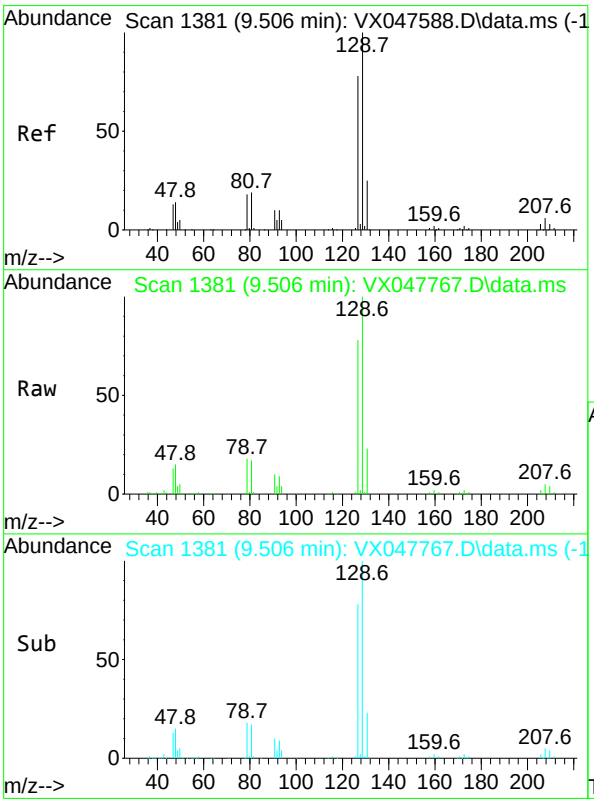
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

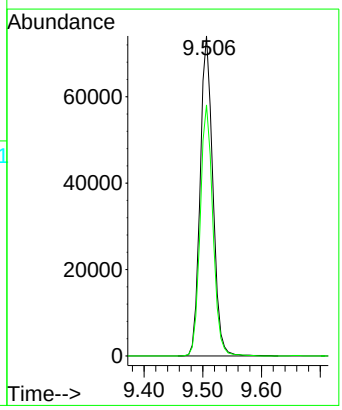


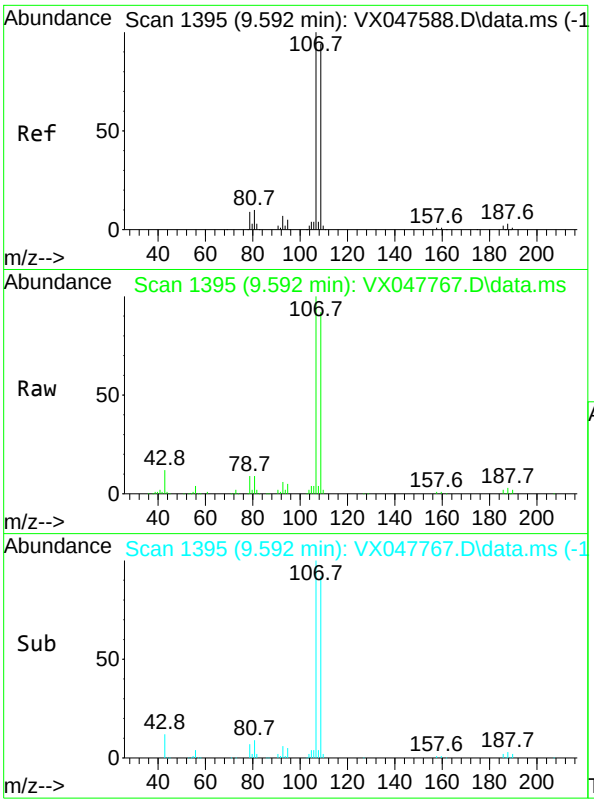




#60
Dibromochloromethane
Concen: 53.612 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:129 Resp: 111057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.5 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 56.360 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:107 Resp: 10320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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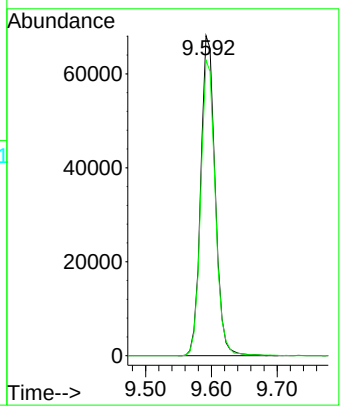
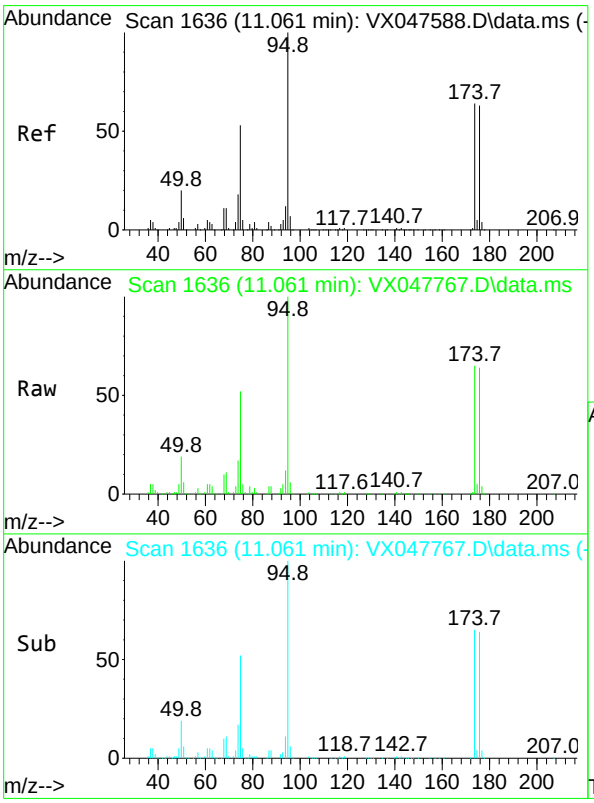
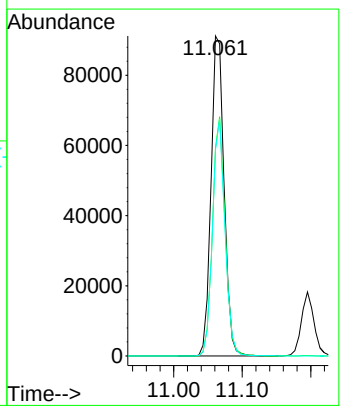


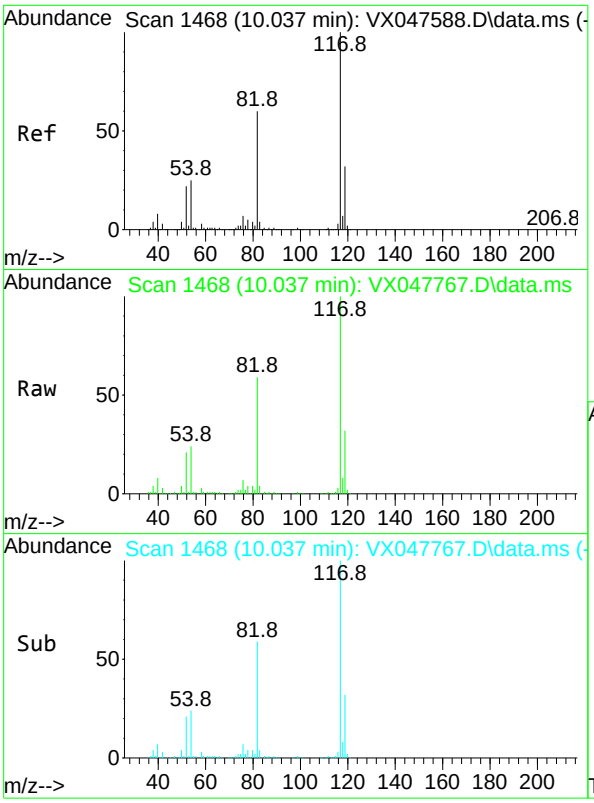




#62
4-Bromofluorobenzene
Concen: 53.949 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 95 Resp: 120804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.6 | 0.0 | 141.6 |
| 176 | 70.6 | 0.0 | 138.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:117 Resp: 23200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.9 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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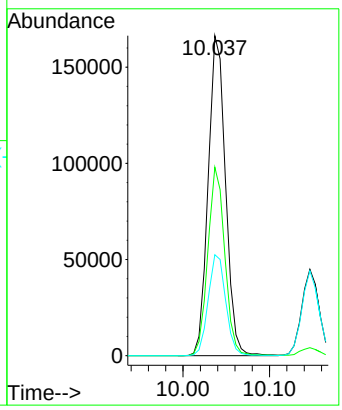
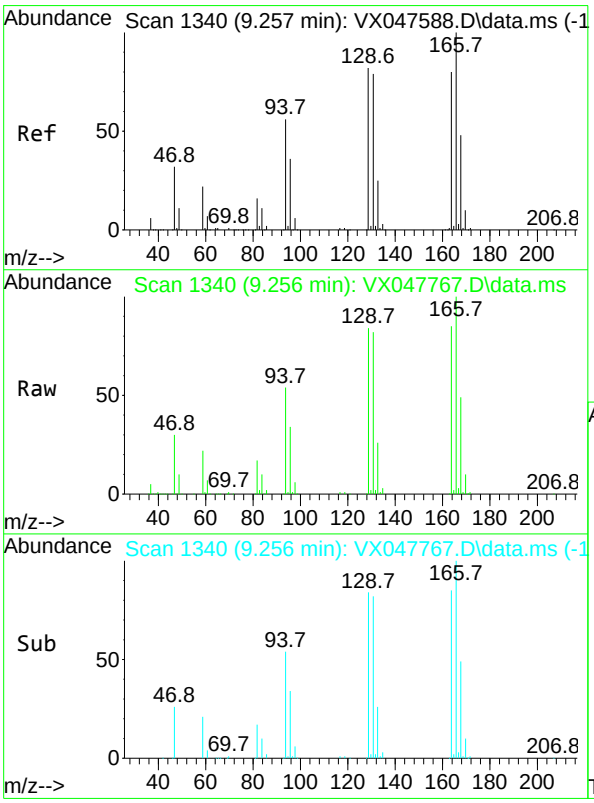
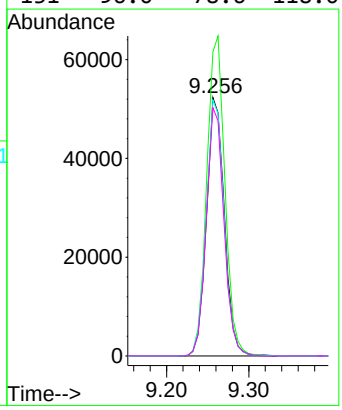


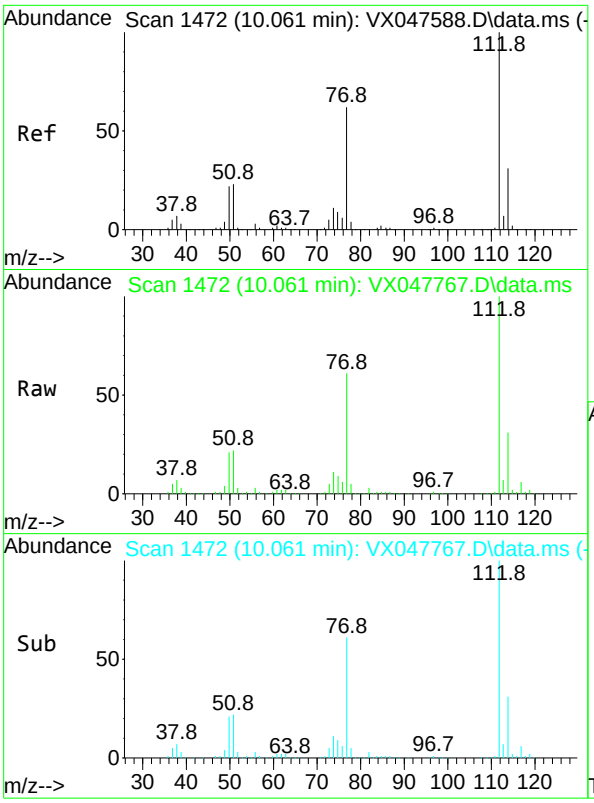




#64
Tetrachloroethene
Concen: 52.130 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:164 Resp: 78844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 117.7 | 100.2 | 150.2 |
| 129 | 99.0 | 81.8 | 122.6 |
| 131 | 96.0 | 78.6 | 118.0 |

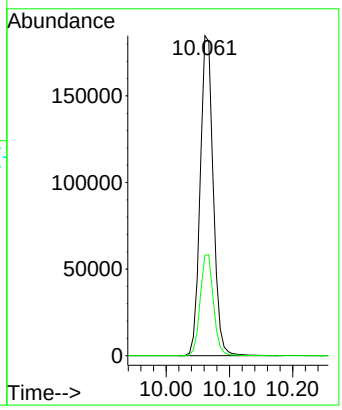





#65
Chlorobenzene
Concen: 50.402 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:112 Resp: 26565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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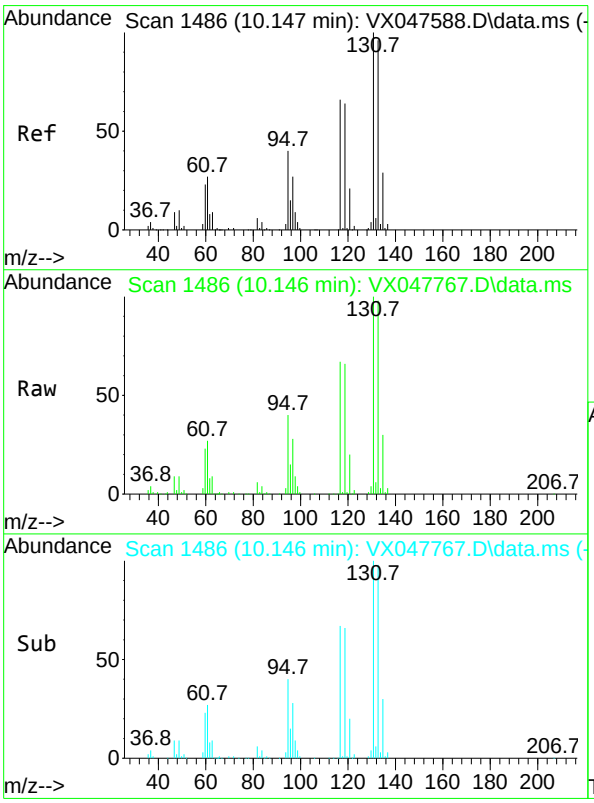
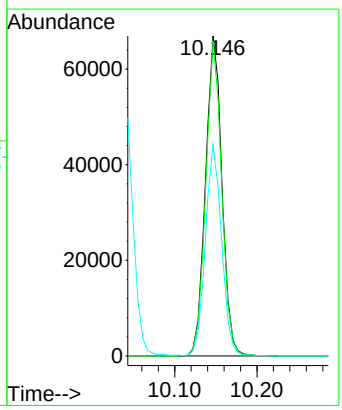
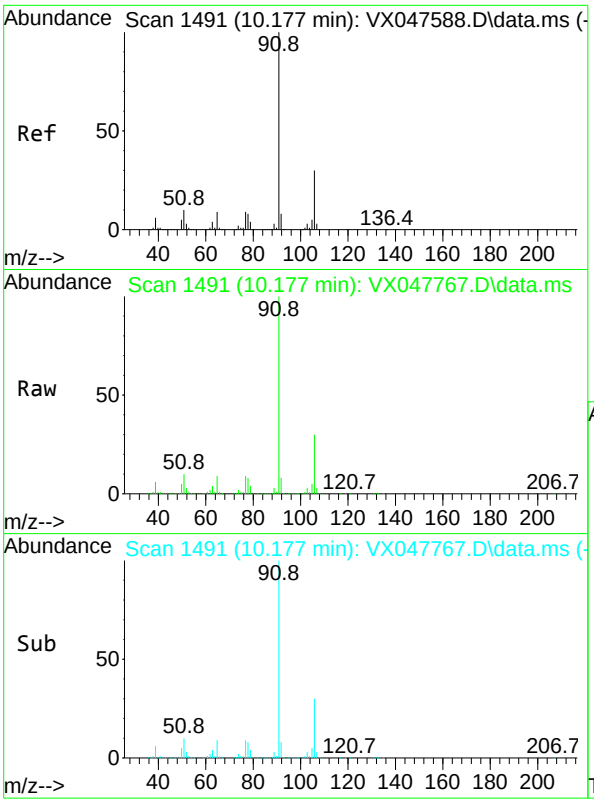



#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:131 Resp: 93007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.3 | 142.0 |
| 119 | 65.6 | 32.0 | 96.0 |

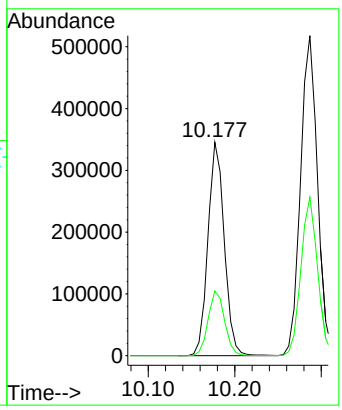





#67
Ethyl Benzene
Concen: 49.712 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 45209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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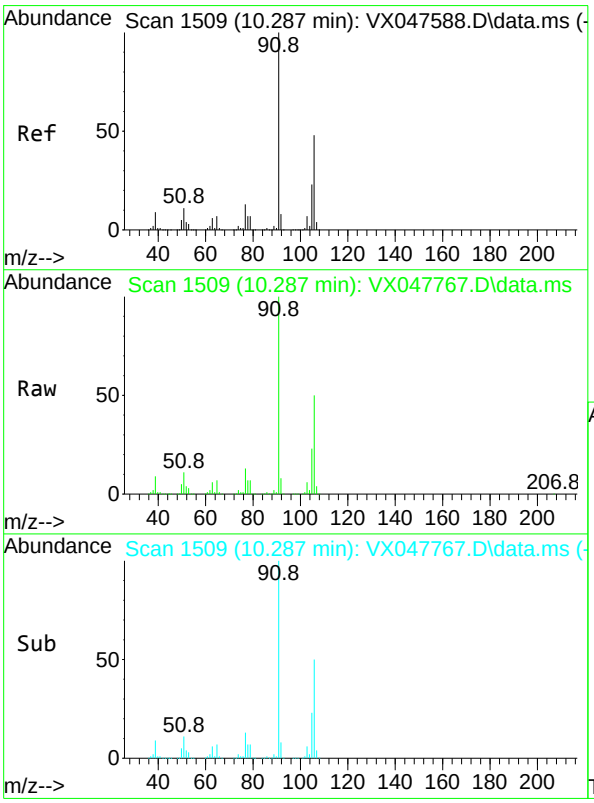
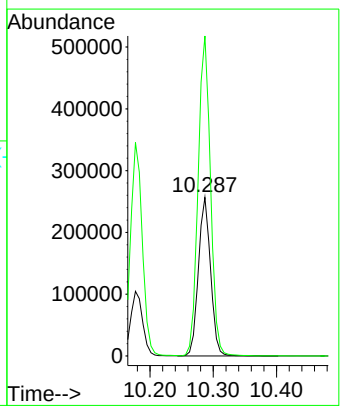
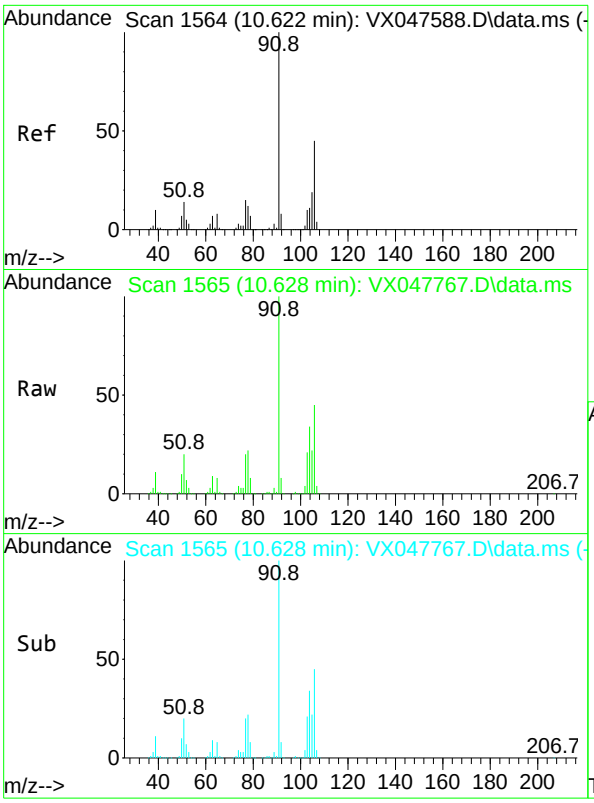



#68
m/p-Xylenes
Concen: 101.520 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:106 Resp: 343642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.6 | 167.8 | 251.8 |

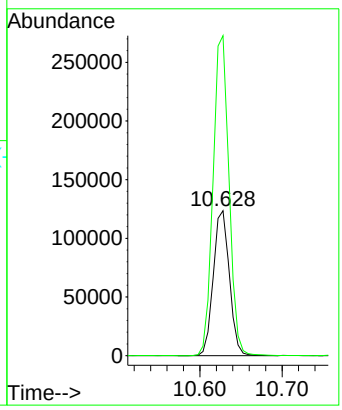





#69
o-Xylene
Concen: 51.290 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:106 Resp: 16792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.1 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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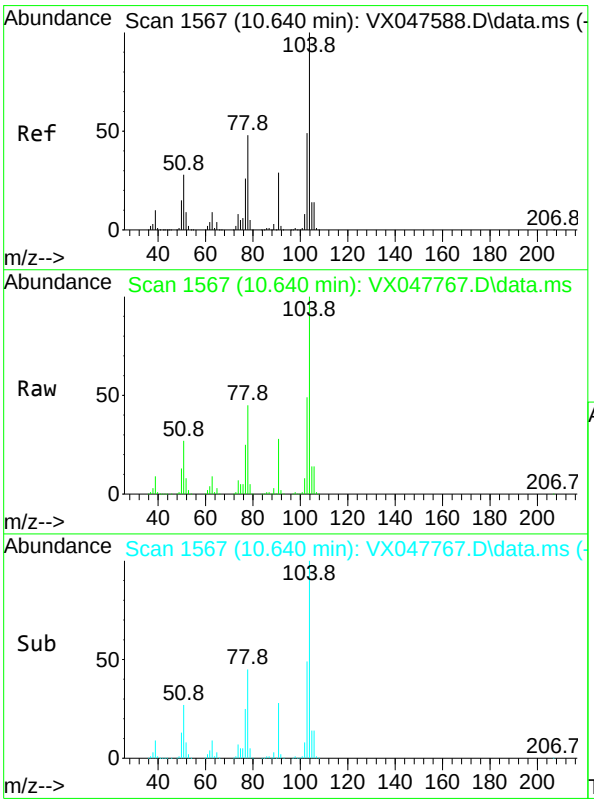
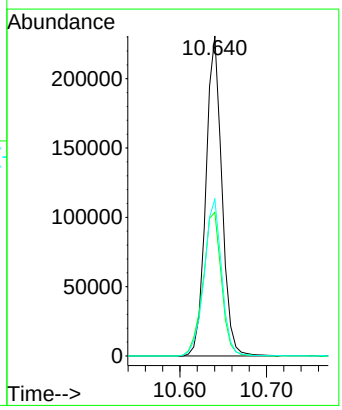
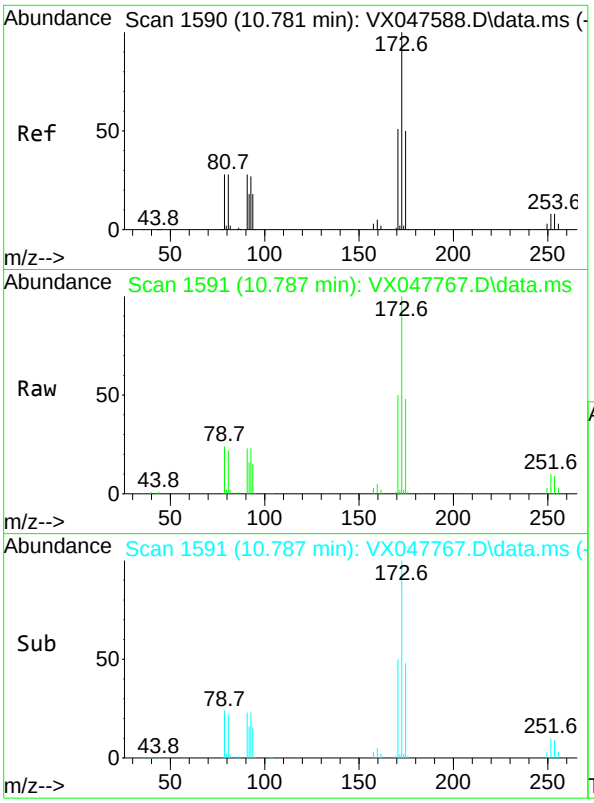



#70
Styrene
Concen: 51.662 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:104 Resp: 296373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 43.1 | 64.7 |
| 103 | 53.6 | 43.1 | 64.7 |

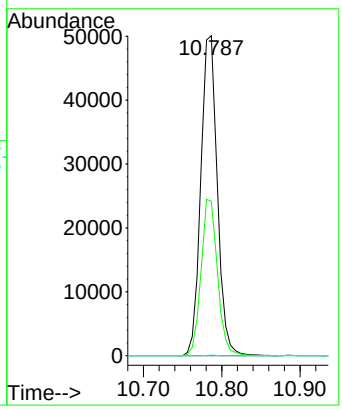





#71
Bromoform
Concen: 53.967 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:173 Resp: 7329

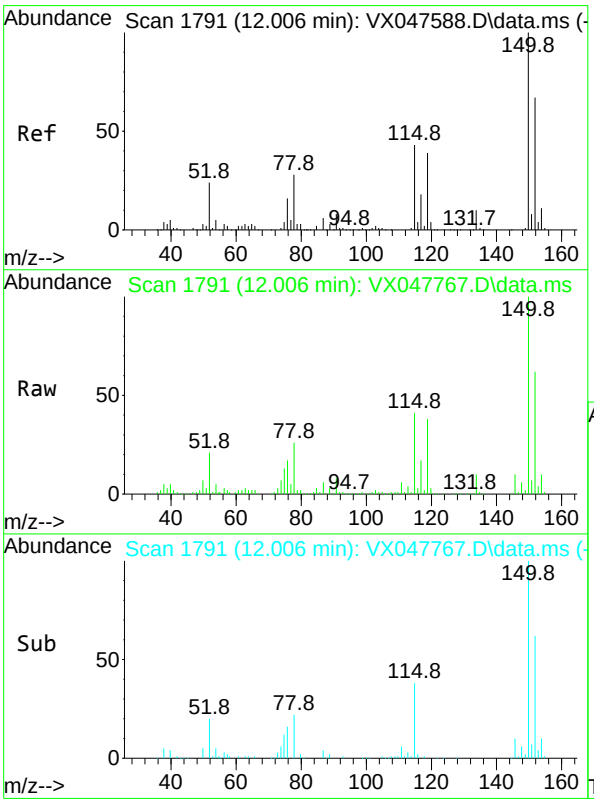
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

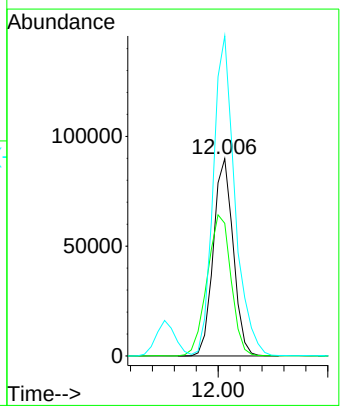
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

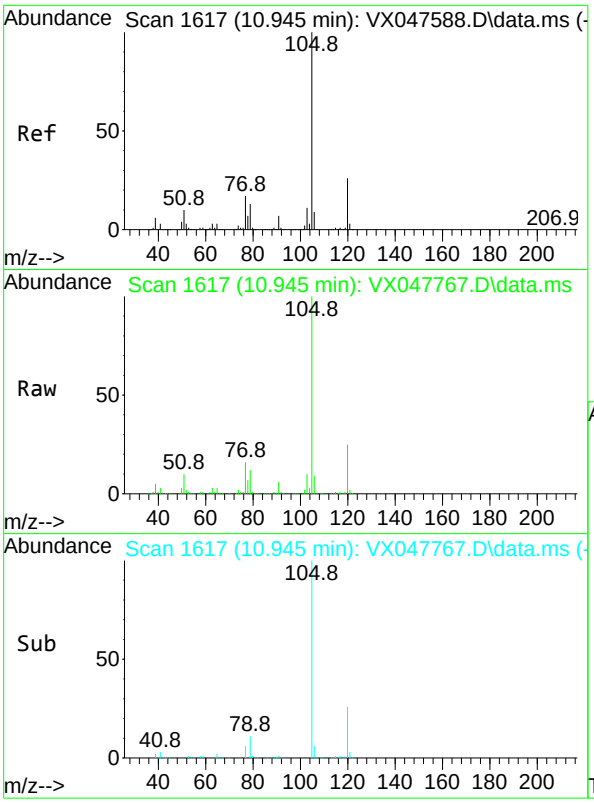



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:152 Resp: 113030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.3 | 44.9 | 134.5 |
| 150 | 177.1 | 0.0 | 352.0 |

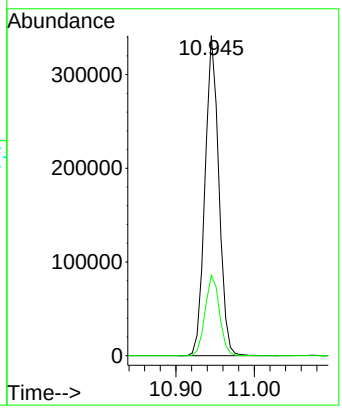





#73
Isopropylbenzene
Concen: 48.594 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 41758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
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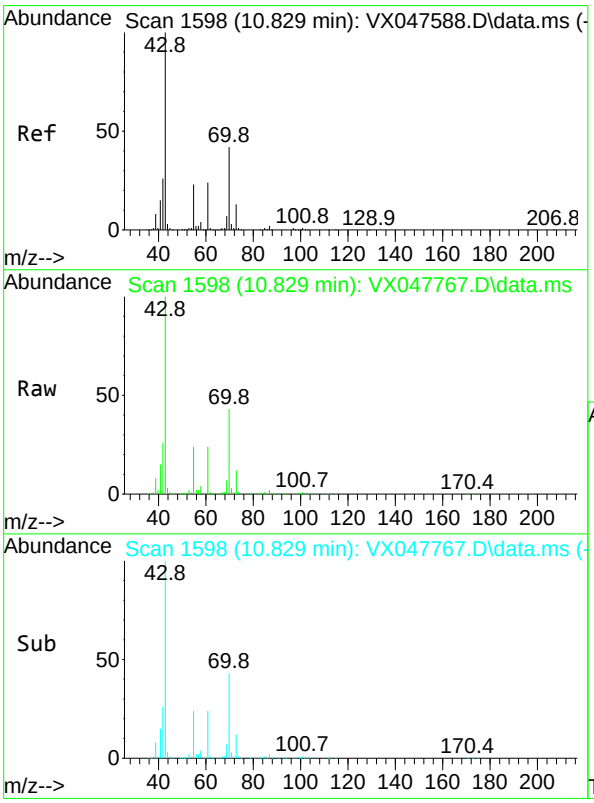
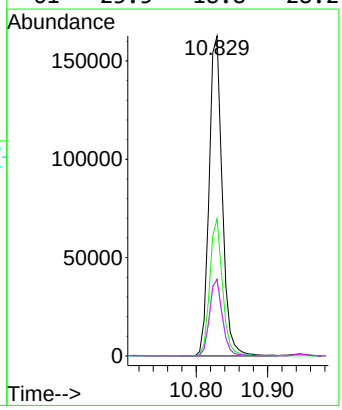
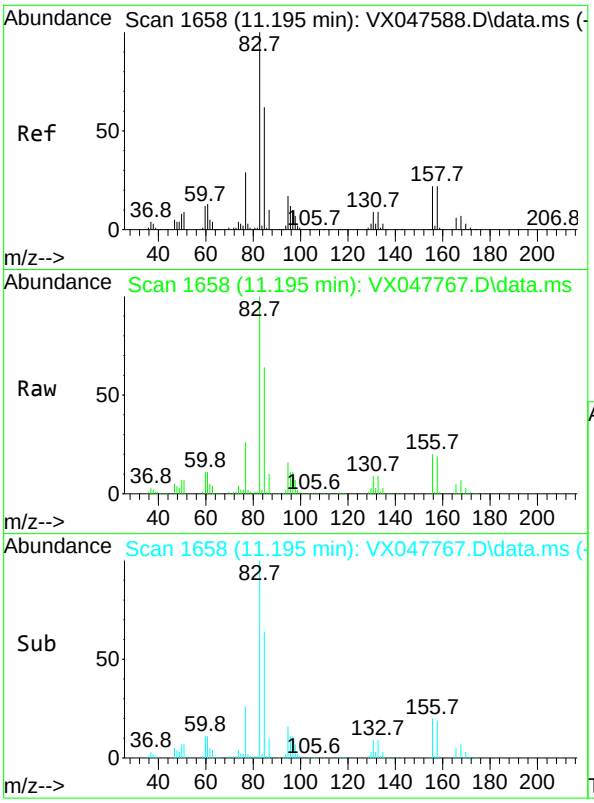



#74
N-amyl acetate
Concen: 53.032 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 207812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 32.0 | 48.0 |
| 55 | 23.5 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |

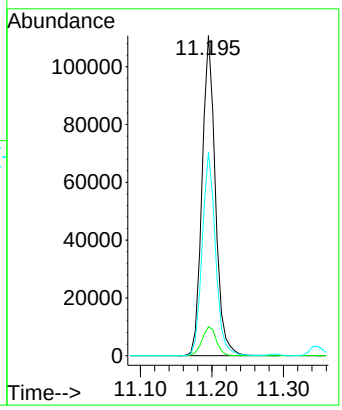





#75
1,1,2,2-Tetrachloroethane
Concen: 54.960 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 83 Resp: 14288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 63.7 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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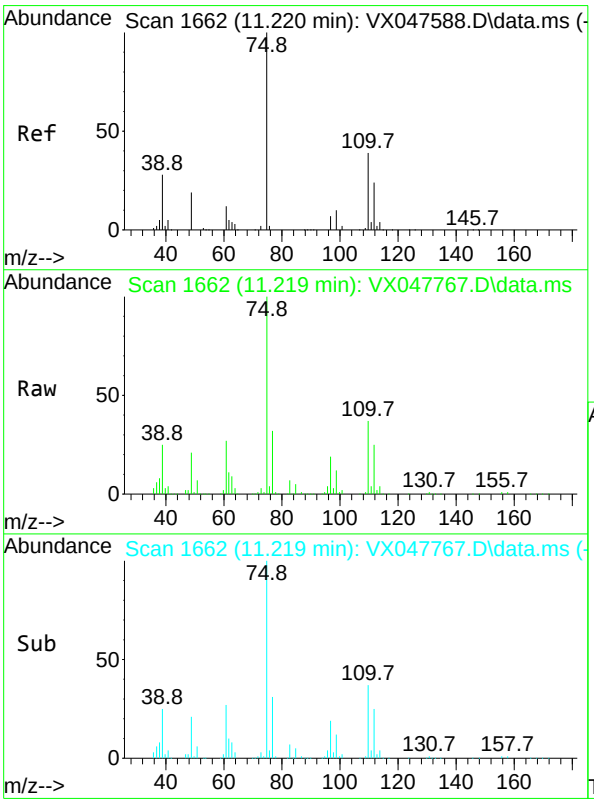
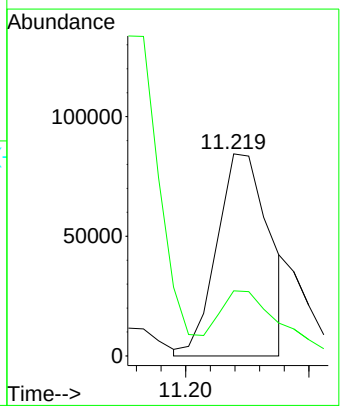
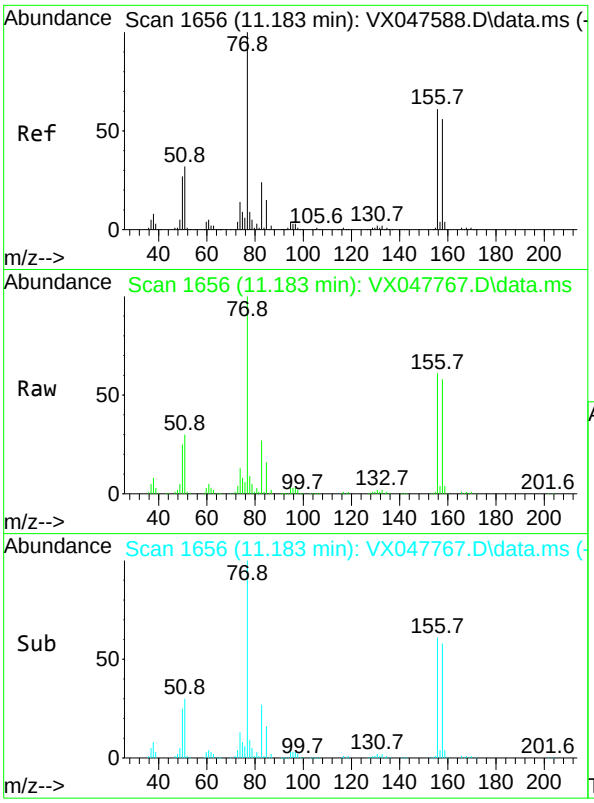



#76
1,2,3-Trichloropropane
Concen: 54.514 ug/l m
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 124755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.1 | 18.8 | 56.4 |

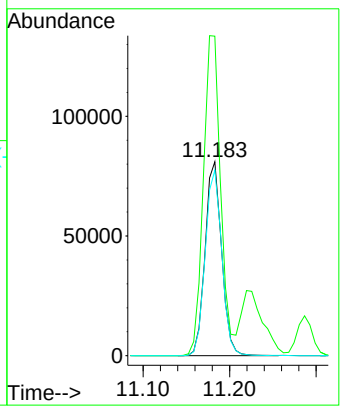





#77
Bromobenzene
Concen: 50.657 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:156 Resp: 10721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.5 | 89.7 | 269.1 |
| 158 | 96.2 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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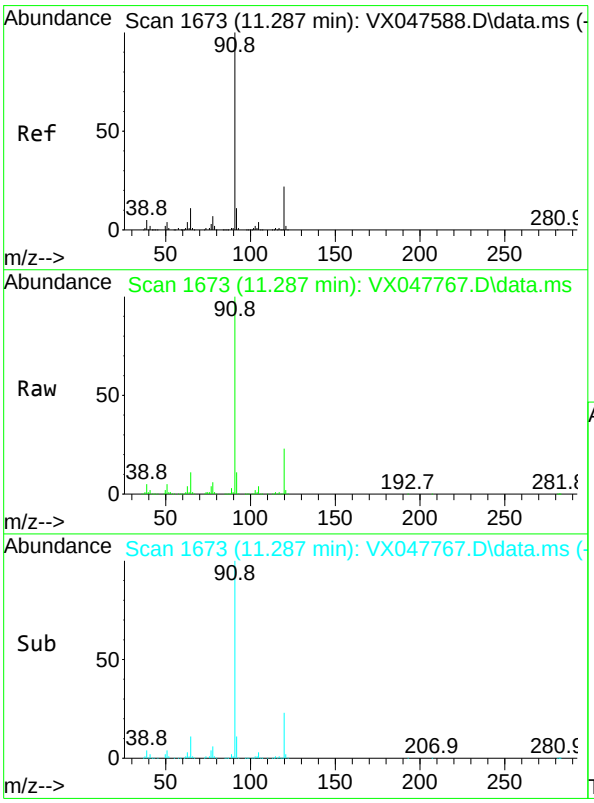
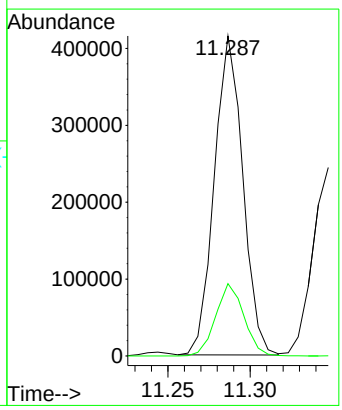
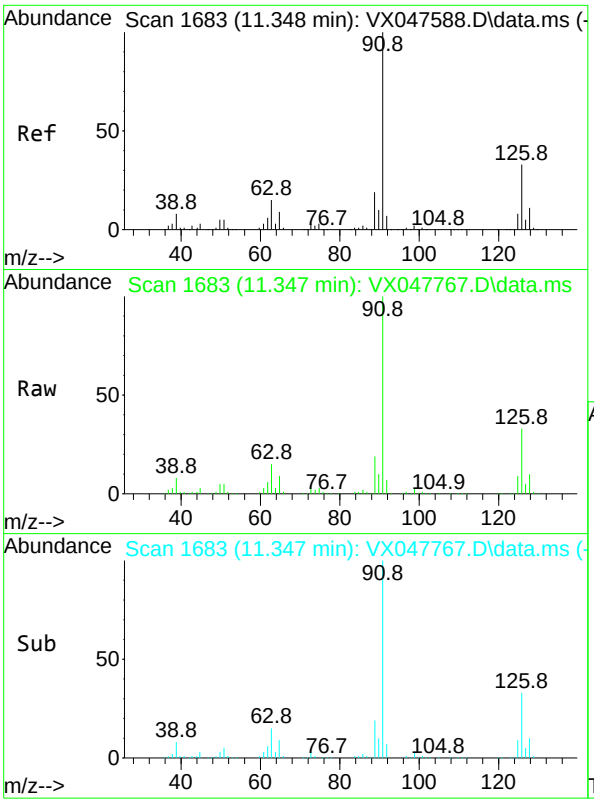



#78
n-propylbenzene
Concen: 49.095 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 498719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.1 | 33.1 |

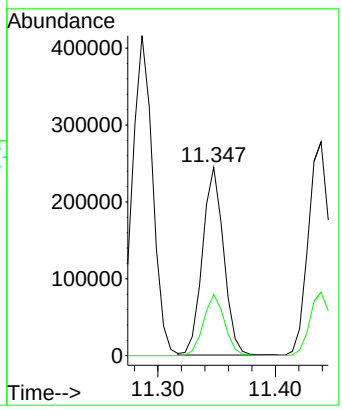





#79
2-Chlorotoluene
Concen: 49.006 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 30490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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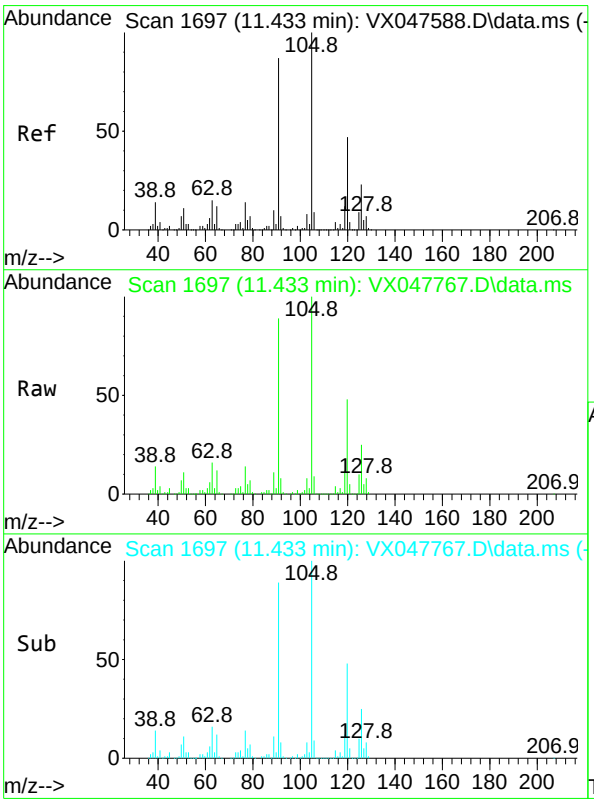
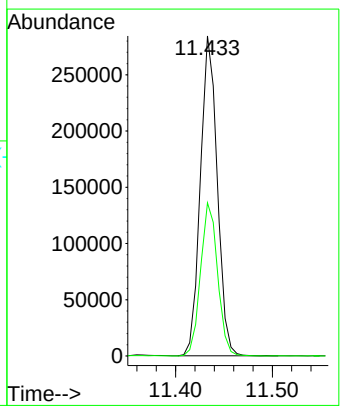
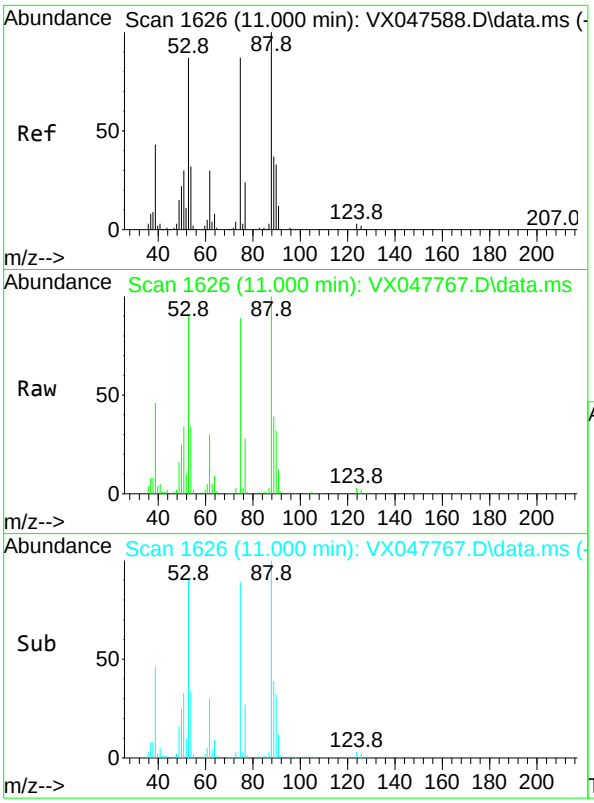



#80
1,3,5-Trimethylbenzene
Concen: 49.006 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 345988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 23.6 | 70.8 |

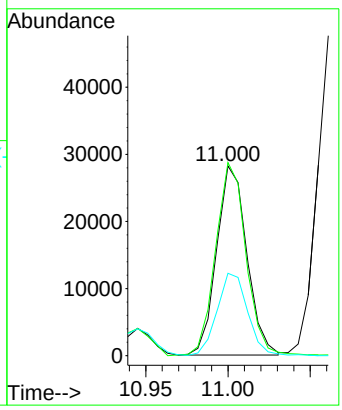





#81
trans-1,4-Dichloro-2-butene
Concen: 40.018 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 3591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 102.9 | 83.4 | 125.2 |
| 89 | 44.3 | 36.3 | 54.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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Reviewed By :John Carlone 09/25/2025
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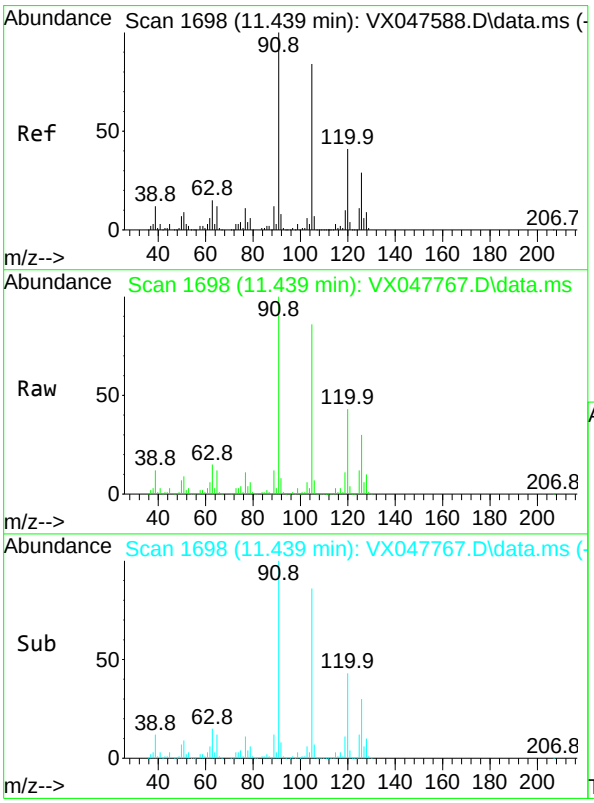
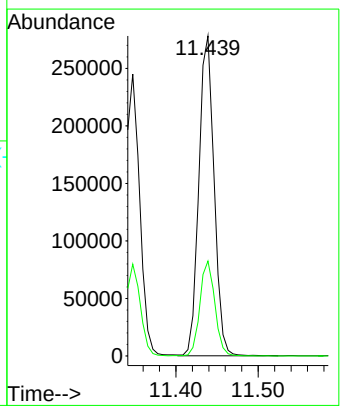
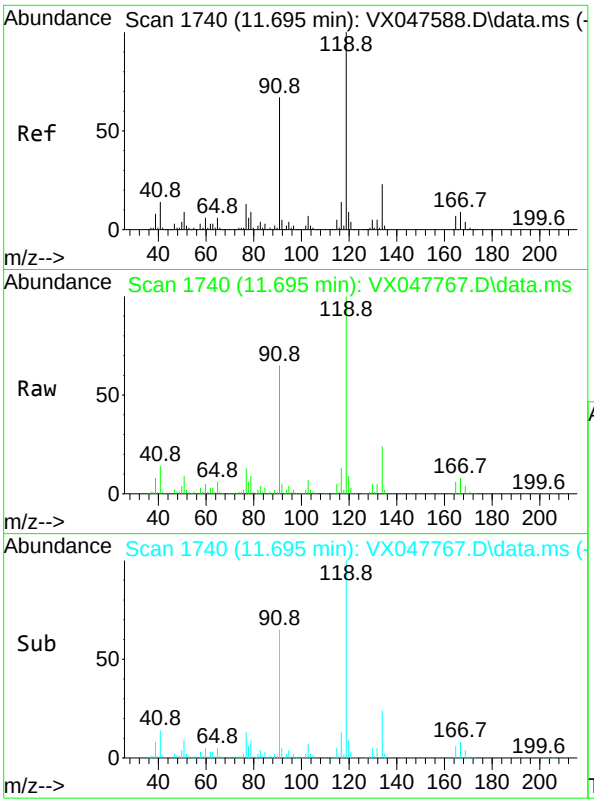



#82
4-Chlorotoluene
Concen: 48.683 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 357733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.2 | 42.6 |

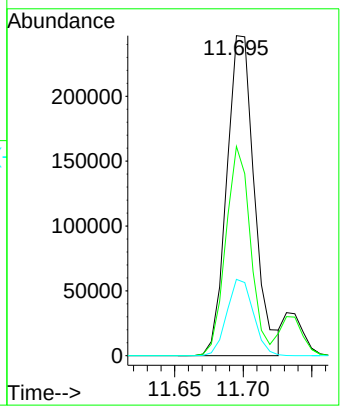





#83
tert-Butylbenzene
Concen: 47.879 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:119 Resp: 34603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.6 | 29.6 | 88.8 |
| 134 | 22.9 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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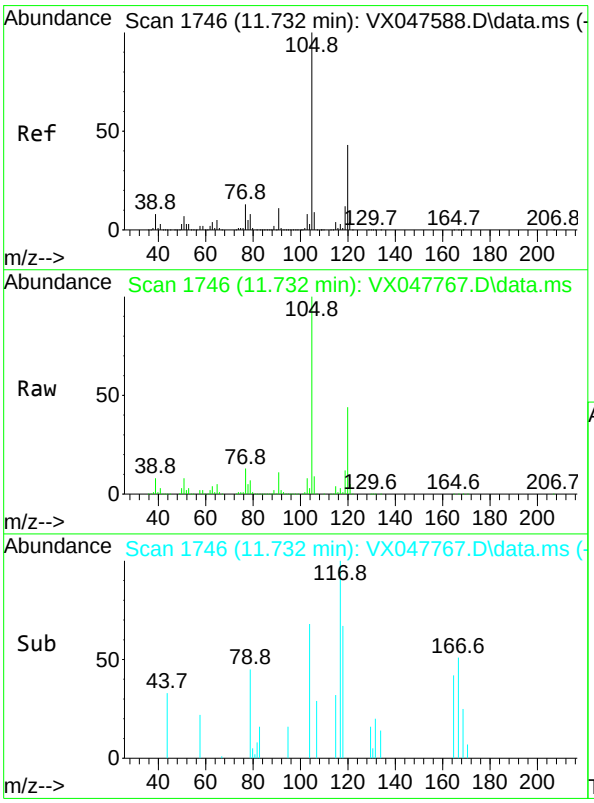
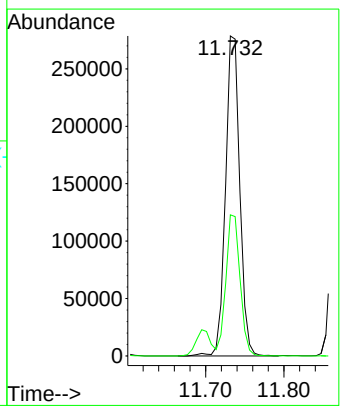
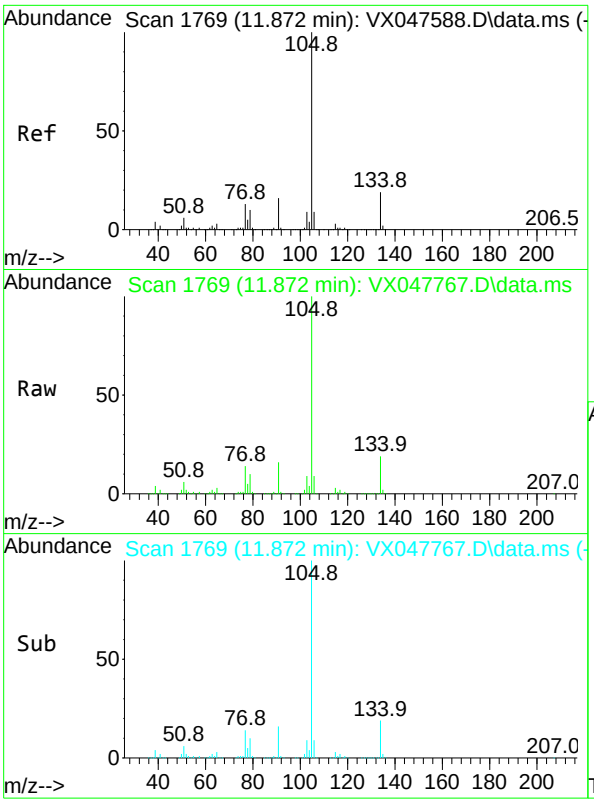



#84
1,2,4-Trimethylbenzene
Concen: 49.355 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 353276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.1 |

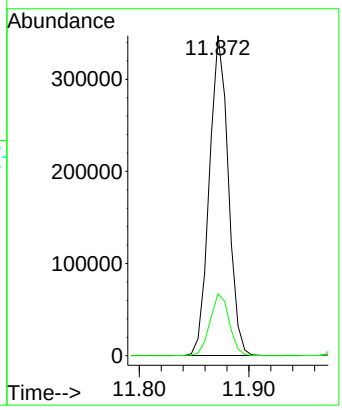





#85
sec-Butylbenzene
Concen: 48.459 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 41599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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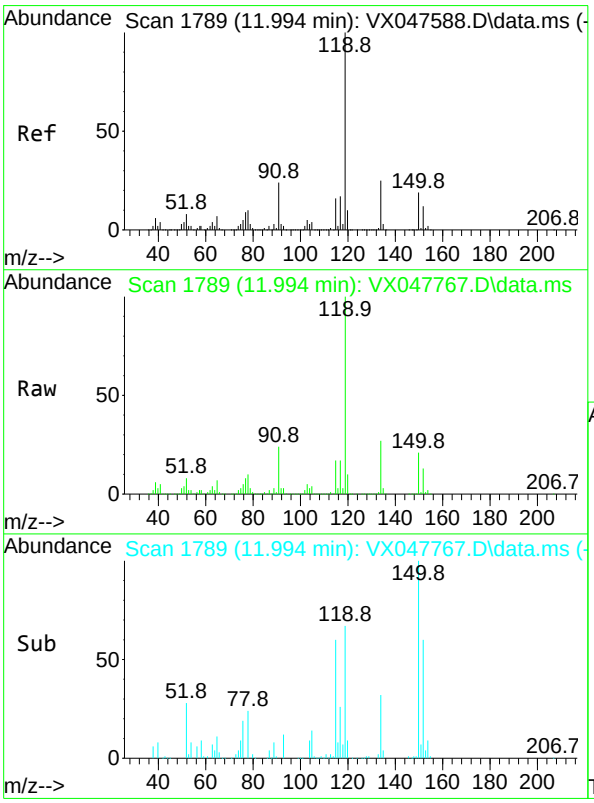
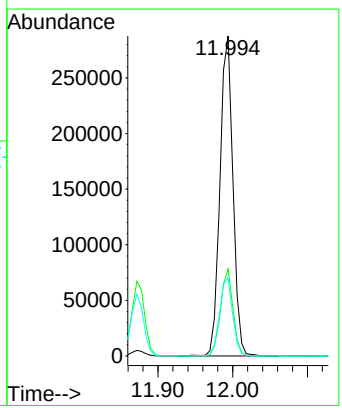
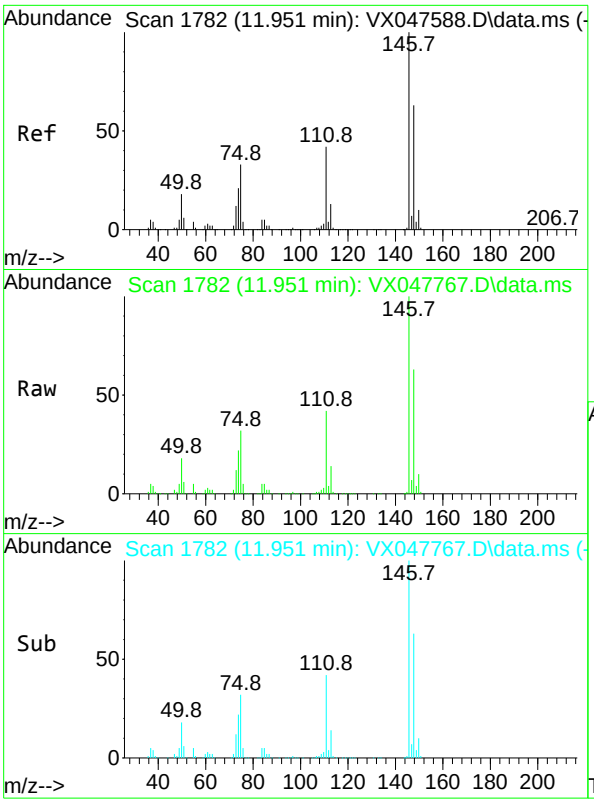



#86
p-Isopropyltoluene
Concen: 47.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:119 Resp: 348647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.6 | 37.8 |
| 91 | 24.6 | 12.6 | 37.6 |

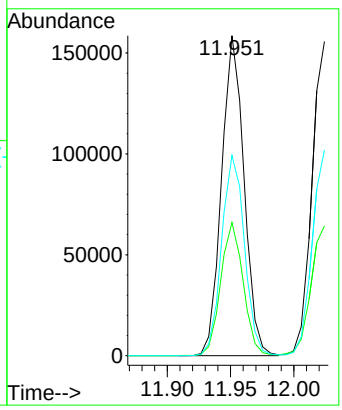





#87
1,3-Dichlorobenzene
Concen: 49.790 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:146 Resp: 19573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 21.5 | 64.5 |
| 148 | 63.8 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
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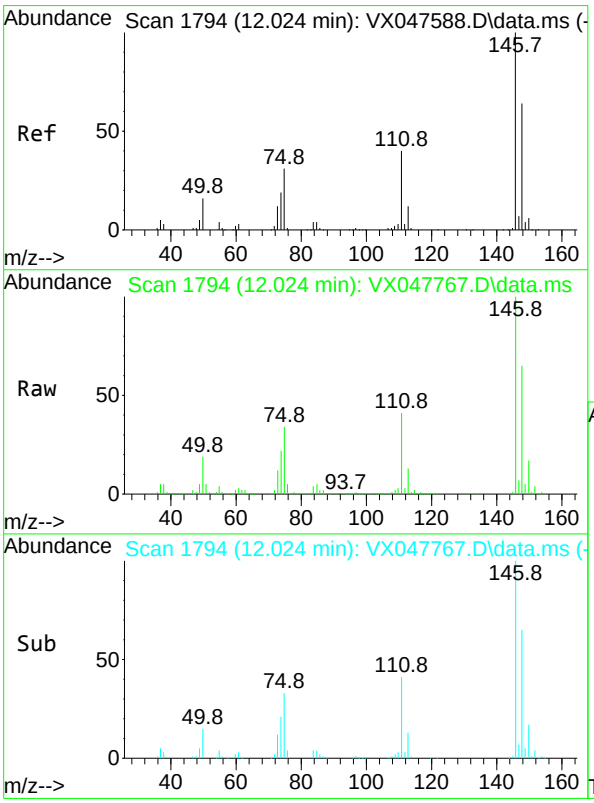
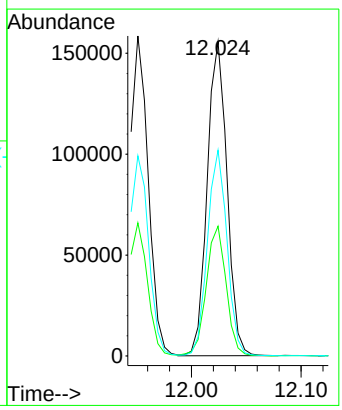
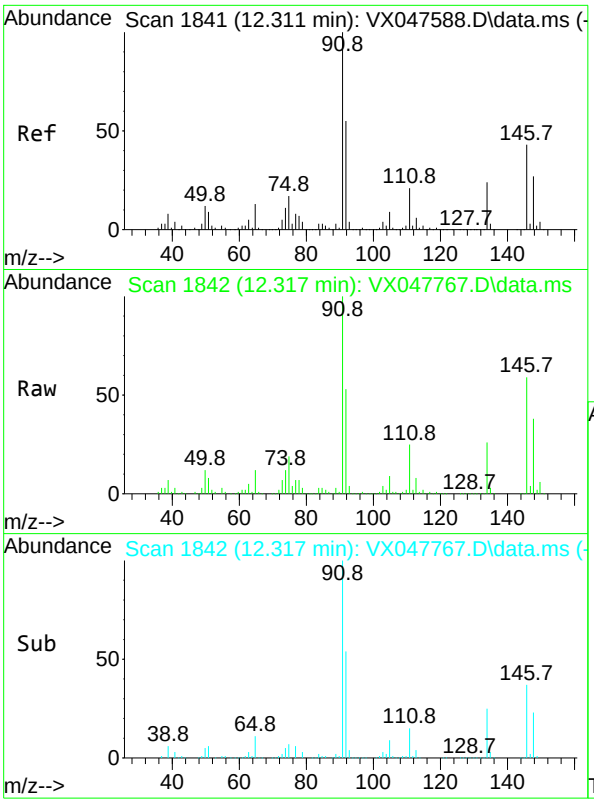



#88
1,4-Dichlorobenzene
Concen: 48.435 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:146 Resp: 195422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 64.8 | 31.7 | 95.1 |

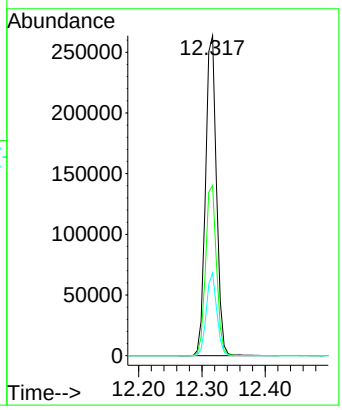





#89
n-Butylbenzene
Concen: 47.254 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 31777

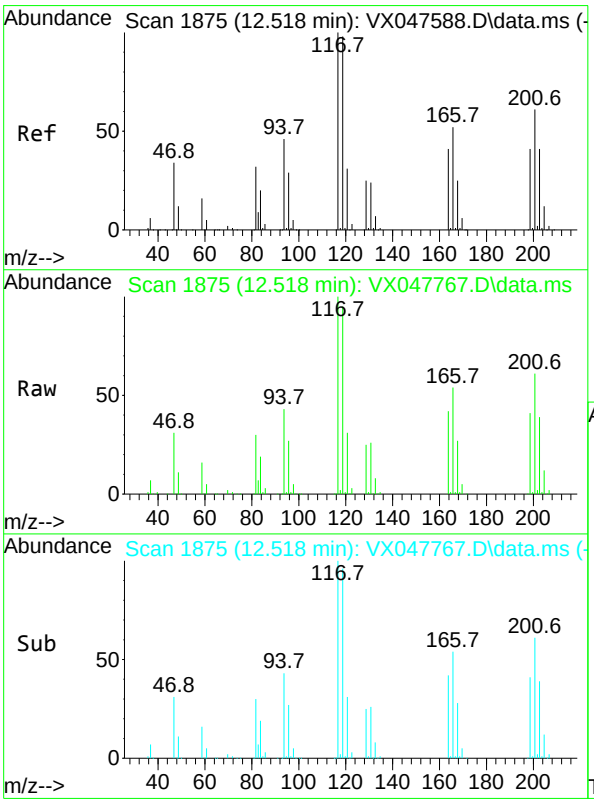
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 27.6 | 82.7 |
| 134 | 24.7 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

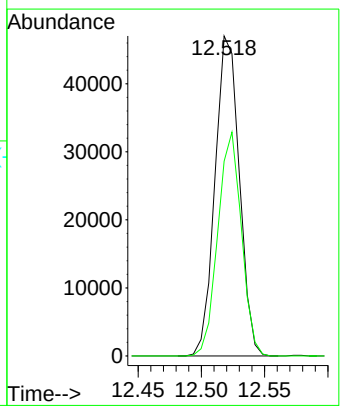
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

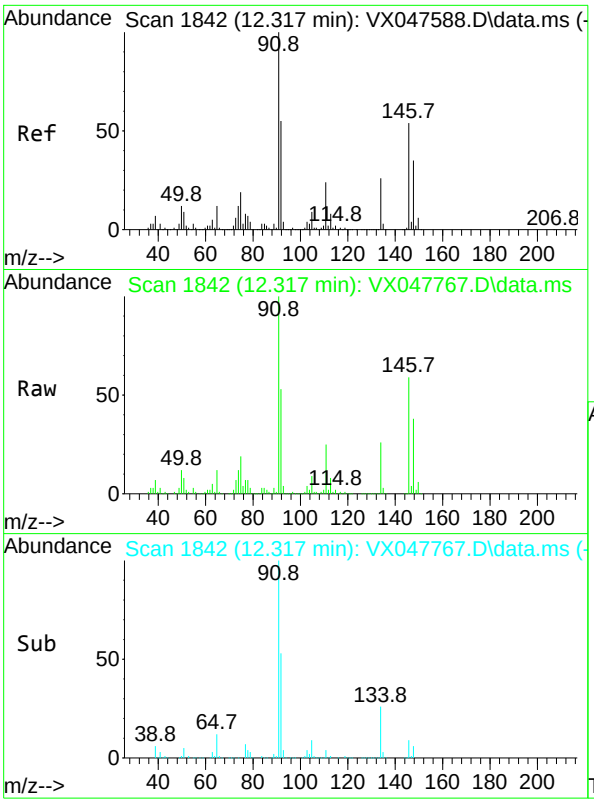



#90
Hexachloroethane
Concen: 49.203 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:117 Resp: 62783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 34.2 | 102.5 |

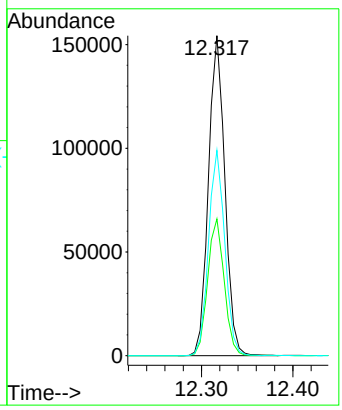





#91
1,2-Dichlorobenzene
Concen: 51.187 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:146 Resp: 19170

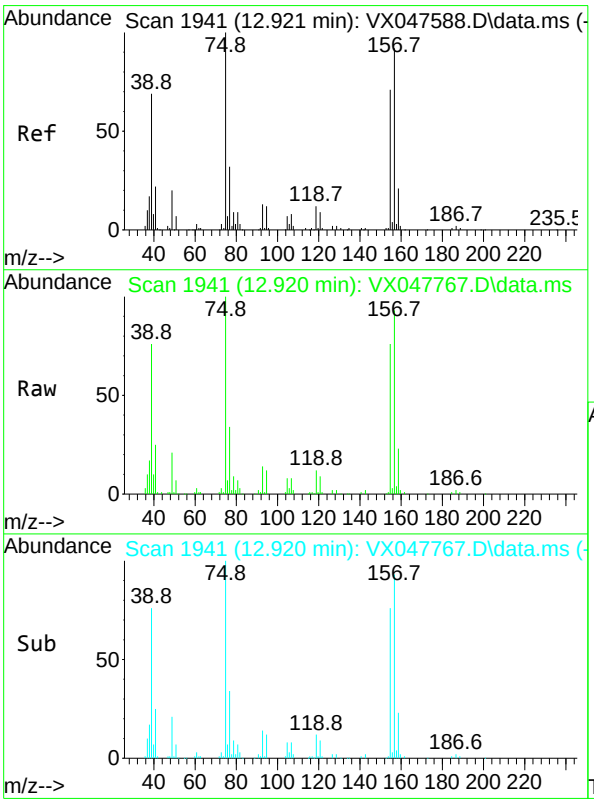
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

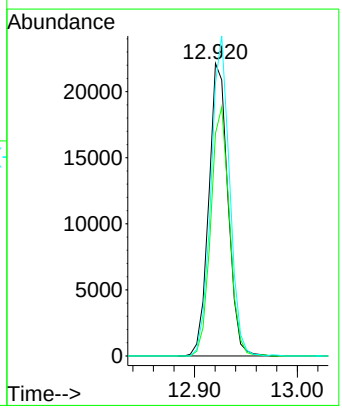
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

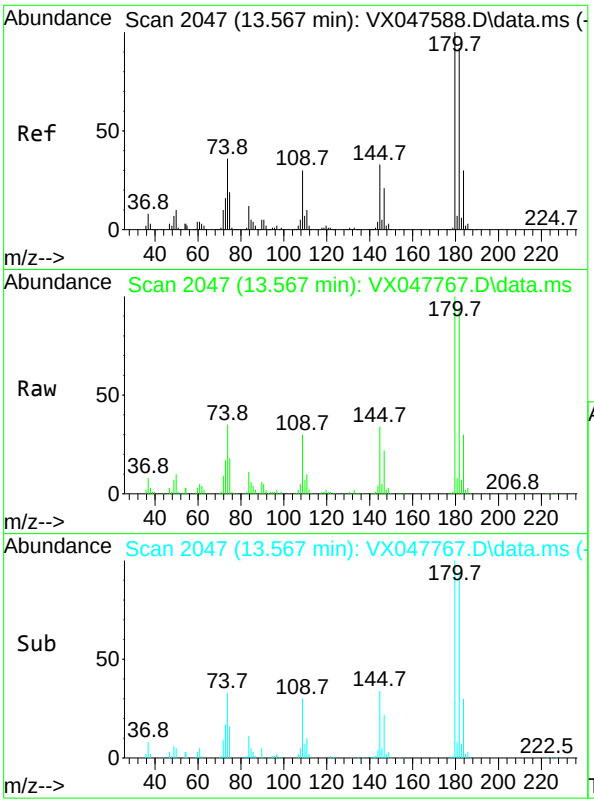



#92
1,2-Dibromo-3-Chloropropane
Concen: 54.516 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 28696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.5 | 37.7 | 113.1 |
| 157 | 105.1 | 49.8 | 149.4 |






#93
1,2,4-Trichlorobenzene
Concen: 49.199 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

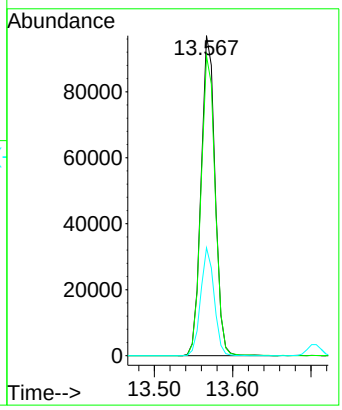
Tgt Ion:180 Resp: 11975

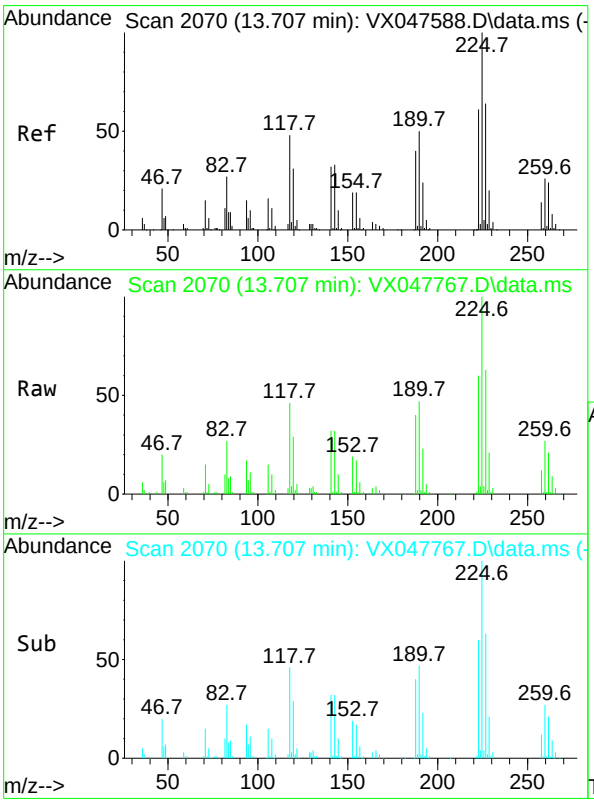
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 46.6 | 139.8 |
| 145 | 32.5 | 16.4 | 49.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

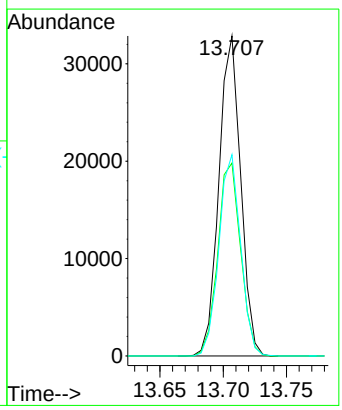


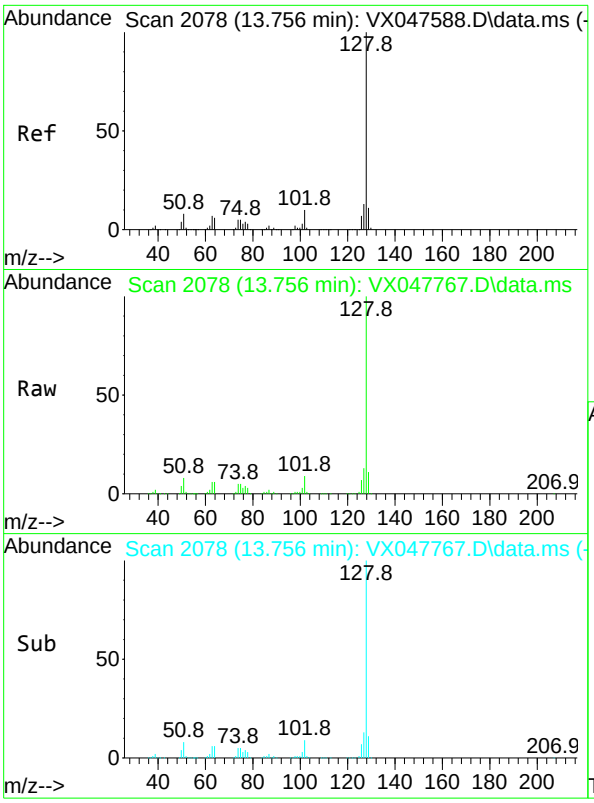




#94
Hexachlorobutadiene
Concen: 47.499 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:225 Resp: 39271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 31.7 | 95.1 |
| 227 | 62.9 | 32.0 | 96.0 |

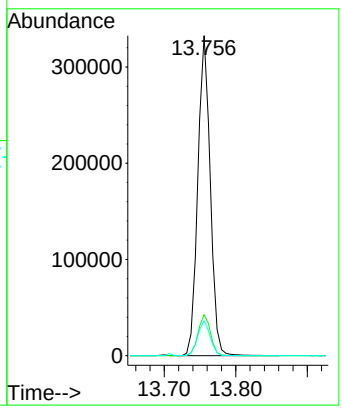





#95
Naphthalene
Concen: 54.002 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:128 Resp: 40025

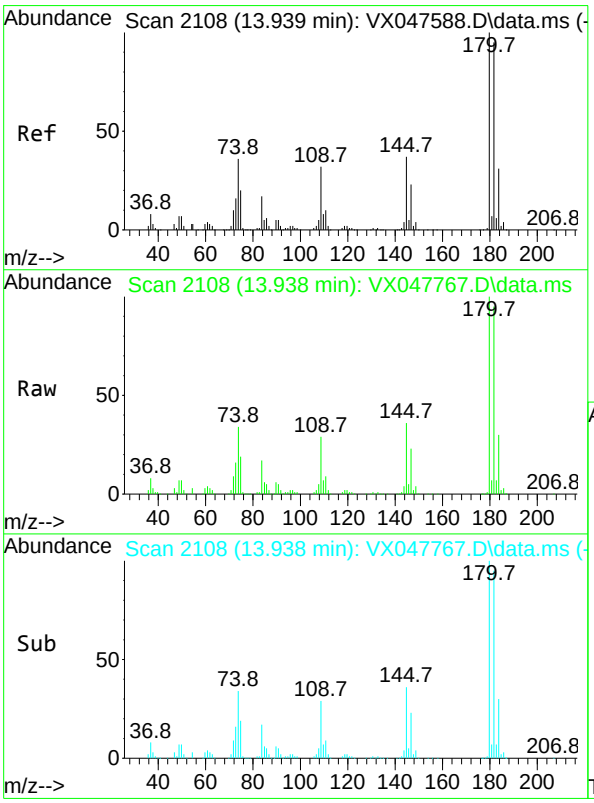
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

**Manual Integrations**
**APPROVED**

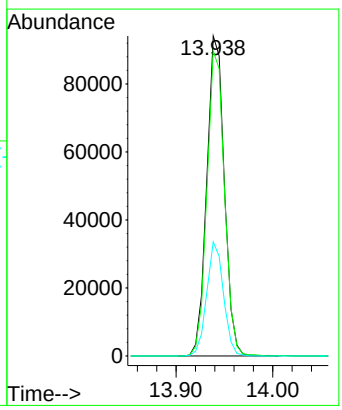
Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 52.369 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:180 Resp: 118573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 47.6 | 142.8 |
| 145 | 34.2 | 17.9 | 53.7 |



Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.518 | 0.593 | -14.5 | 93 | 0.00 |
| 3 | P | Chloromethane | 0.680 | 0.735 | -8.1 | 87 | 0.00 |
| 4 | C | Vinyl Chloride | 0.666 | 0.726 | -9.0# | 86 | 0.00 |
| 5 | T | Bromomethane | 0.422 | 0.463 | -9.7 | 86 | 0.00 |
| 6 | T | Chloroethane | 0.445 | 0.466 | -4.7 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.989 | 1.013 | -2.4 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 0.405 | 0.439 | -8.4 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.578 | 0.586 | -1.4 | 79 | 0.00 |
| 10 | T | Methyl Iodide | 0.902 | 0.916 | -1.6 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.089 | 0.097 | -9.0 | 85 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.594 | 0.631 | -6.2# | 82 | 0.00 |
| 13 | T | Acrolein | 0.082 | 0.091 | -11.0 | 88 | 0.00 |
| 14 | T | Allyl chloride | 1.226 | 1.177 | 4.0 | 76 | 0.00 |
| 15 | T | Acrylonitrile | 0.328 | 0.403 | -22.9 | 91 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.323 | 6.6 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 1.626 | 1.720 | -5.8 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 0.770 | 0.940 | -22.1 | 84 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.169 | 2.352 | -8.4 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 0.732 | 0.779 | -6.4 | 84 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.640 | 0.685 | -7.0 | 83 | 0.00 |
| 22 | T | Diisopropyl ether | 2.376 | 2.573 | -8.3 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 1.901 | 2.117 | -11.4 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.263 | 1.341 | -6.2 | 81 | 0.00 |
| 25 | T | 2-Butanone | 0.432 | 0.500 | -15.7 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.050 | 0.514 | 51.0# | 38# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.783 | 0.835 | -6.6 | 81 | 0.00 |
| 28 | T | Bromochloromethane | 0.551 | 0.591 | -7.3 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.260 | 0.324 | -24.6 | 92 | 0.00 |
| 30 | C | Chloroform | 1.276 | 1.376 | -7.8# | 82 | 0.00 |
| 31 | T | Cyclohexane | 1.052 | 1.066 | -1.3 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.082 | 1.134 | -4.8 | 79 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.796 | 0.866 | -8.8 | 88 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.335 | 0.362 | -8.1 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.490 | 0.475 | 3.1 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 0.525 | 0.586 | -11.6 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.515 | 3.2 | 79 | 0.00 |
| 39 | T | Methylcyclohexane | 0.556 | 0.525 | 5.6 | 77 | 0.00 |
| 40 | TM | Benzene | 1.488 | 1.534 | -3.1 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 0.271 | 0.307 | -13.3 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.566 | 0.562 | 0.7 | 80 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.860 | 0.928 | -7.9 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.371 | -3.1 | 83 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.401 | -5.2# | 84 | 0.00 |
| 46 | T | Dibromomethane | 0.277 | 0.293 | -5.8 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 0.572 | 0.591 | -3.3 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.466 | -8.6 | 86 | 0.00 |

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 0.004 | 0.006 | -50.0# | 103 | 0.00 |
| 50 | S | Toluene-d8 | 1.160 | 1.237 | -6.6 | 89 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.477 | 0.565 | -18.4 | 92 | 0.00 |
| 52 | CM | Toluene | 0.917 | 0.943 | -2.8# | 83 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.584 | 0.540 | 7.5 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.624 | 0.587 | 5.9 | 74 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.354 | 0.379 | -7.1 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.555 | 0.623 | -12.3 | 86 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.659 | -8.6 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.227 | 0.317 | -39.6# | 96 | 0.00 |
| 59 | T | 2-Hexanone | 0.343 | 0.396 | -15.5 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.407 | 0.437 | -7.4 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.360 | 0.406 | -12.8 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.440 | 0.475 | -8.0 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 0.326 | 0.340 | -4.3 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 1.136 | 1.145 | -0.8 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.392 | 0.401 | -2.3 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 1.960 | 1.949 | 0.6# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.729 | 0.741 | -1.6 | 83 | 0.00 |
| 69 | T | o-Xylene | 0.706 | 0.724 | -2.5 | 83 | 0.00 |
| 70 | T | Styrene | 1.236 | 1.277 | -3.3 | 85 | 0.00 |
| 71 | P | Bromoform | 0.293 | 0.316 | -7.8 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 3.801 | 3.694 | 2.8 | 81 | 0.00 |
| 74 | T | N-amyl acetate | 1.733 | 1.839 | -6.1 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.150 | 1.264 | -9.9 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.012 | 1.104 | -9.1 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.936 | 0.949 | -1.4 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 4.494 | 4.412 | 1.8 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.752 | 2.698 | 2.0 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.123 | 3.061 | 2.0 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.397 | 0.318 | 19.9 | 68 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.251 | 3.165 | 2.6 | 82 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.197 | 3.061 | 4.3 | 81 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.166 | 3.126 | 1.3 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.797 | 3.680 | 3.1 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.215 | 3.085 | 4.0 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.739 | 1.732 | 0.4 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.785 | 1.729 | 3.1 | 84 | 0.00 |
| 89 | T | n-Butylbenzene | 2.975 | 2.811 | 5.5 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 0.564 | 0.555 | 1.6 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.657 | 1.696 | -2.4 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.233 | 0.254 | -9.0 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.077 | 1.059 | 1.7 | 81 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.366 | 0.347 | 5.2 | 80 | 0.00 |
| 95 | T | Naphthalene | 3.279 | 3.541 | -8.0 | 89 | 0.00 |

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1.002 | 1.049 | -4.7 | 85 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 79 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 57.267 | -14.5 | 93 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.970 | -7.9 | 87 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.491 | -9.0# | 86 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.792 | -9.6 | 86 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 52.368 | -4.7 | 83 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.208 | -2.4 | 80 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.277 | -8.6 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.667 | -1.3 | 79 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 50.757 | -1.5 | 79 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 273.139 | -9.3 | 85 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.075 | -6.2# | 82 | 0.00 |
| 13 | T | Acrolein | 250.000 | 278.592 | -11.4 | 88 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.997 | 4.0 | 76 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 306.873 | -22.7 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 233.292 | 6.7 | 80 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.888 | -5.8 | 86 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 61.011 | -22.0 | 84 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.228 | -8.5 | 82 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 53.176 | -6.4 | 84 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.545 | -7.1 | 83 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.161 | -8.3 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 278.405 | -11.4 | 84 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.106 | -6.2 | 81 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 289.378 | -15.8 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 24.508 | 51.0# | 38 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.299 | -6.6 | 81 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.622 | -7.2 | 81 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 311.862 | -24.7 | 92 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.913 | -7.8# | 82 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.693 | -1.4 | 81 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.395 | -4.8 | 79 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.388 | -8.8 | 88 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.983 | -8.0 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.437 | 3.1 | 81 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 55.869 | -11.7 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.322 | 3.4 | 79 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.171 | 5.7 | 77 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.523 | -3.0 | 83 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.618 | -13.2 | 89 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.663 | 0.7 | 80 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.933 | -7.9 | 86 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.488 | -3.0 | 83 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.653 | -5.3# | 84 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.881 | -5.8 | 84 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.676 | -3.4 | 81 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.378 | -8.8 | 86 | 0.00 |

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 1379.627 | -38.0# | 103 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 53.290 | -6.6 | 89 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 296.207 | -18.5 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.397 | -2.8# | 83 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.292 | 7.4 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.013 | 6.0 | 74 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.607 | -7.2 | 85 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.087 | -12.2 | 86 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.213 | -8.4 | 85 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 294.817 | -17.9 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 288.900 | -15.6 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.612 | -7.2 | 83 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.360 | -12.7 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.949 | -7.9 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.130 | -4.3 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.402 | -0.8 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.137 | -2.3 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.712 | 0.6# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 101.520 | -1.5 | 83 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.290 | -2.6 | 83 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.662 | -3.3 | 85 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.967 | -7.9 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.594 | 2.8 | 81 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.032 | -6.1 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.960 | -9.9 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.514 | -9.0 | 87 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.657 | -1.3 | 85 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.095 | 1.8 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.006 | 2.0 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.006 | 2.0 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 40.018 | 20.0 | 68 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.683 | 2.6 | 82 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 47.879 | 4.2 | 81 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.355 | 1.3 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.459 | 3.1 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.972 | 4.1 | 80 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.790 | 0.4 | 84 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.435 | 3.1 | 84 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 47.254 | 5.5 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.203 | 1.6 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.187 | -2.4 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.516 | -9.0 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.199 | 1.6 | 81 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.499 | 5.0 | 80 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.002 | -8.0 | 89 | 0.00 |

Sample Results: **VX047767.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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 | 52.369 | -4.7 | 85 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6

# QC SAMPLE DATA

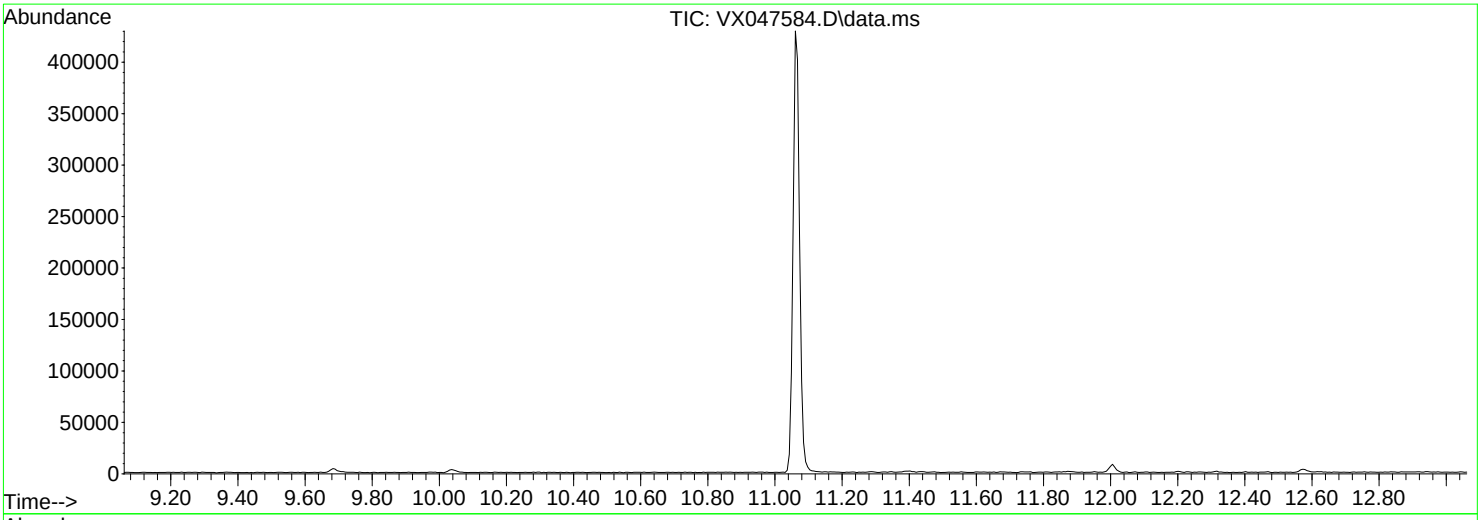
Sample Results: **VX047584.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025




AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.0 | 15566 | PASS |
| 75 | 95 | 30 | 60 | 54.0 | 41979 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 77717 | PASS |
| 96 | 95 | 5 | 9 | 7.0 | 5432 | PASS |
| 173 | 174 | 0.00 | 2 | 1.0 | 507 | PASS |
| 174 | 95 | 50 | 100 | 67.3 | 52275 | PASS |
| 175 | 174 | 5 | 9 | 8.1 | 4209 | PASS |
| 176 | 174 | 95 | 101 | 98.6 | 51560 | PASS |
| 177 | 176 | 5 | 9 | 6.4 | 3311 | PASS |

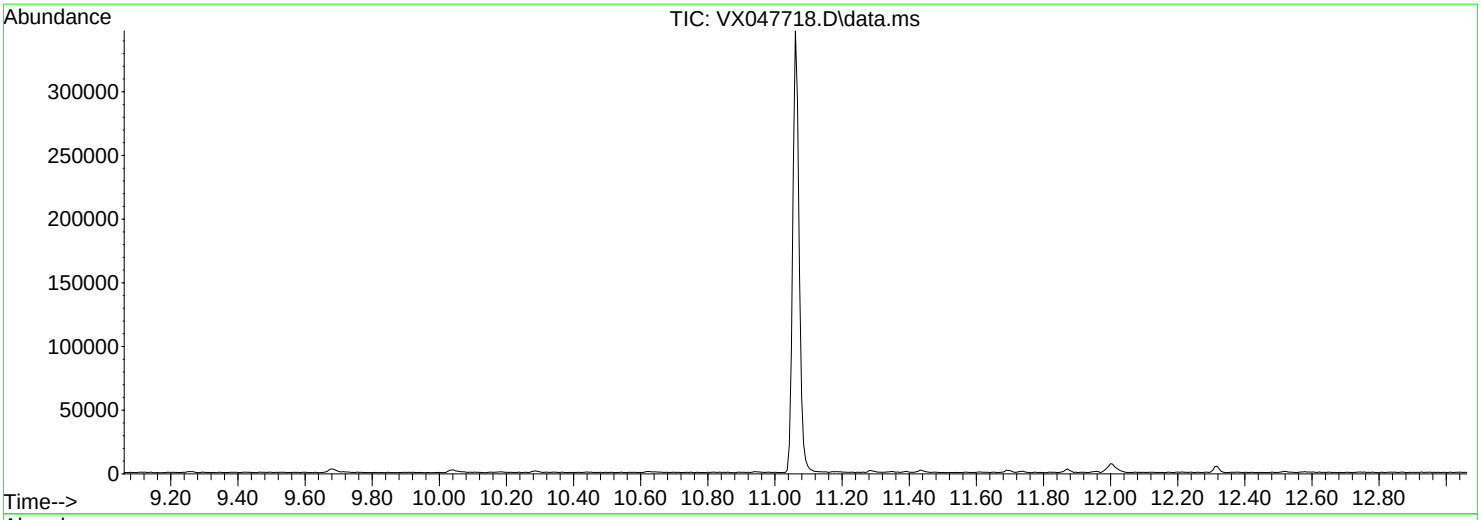
Sample Results: **VX047718.D**

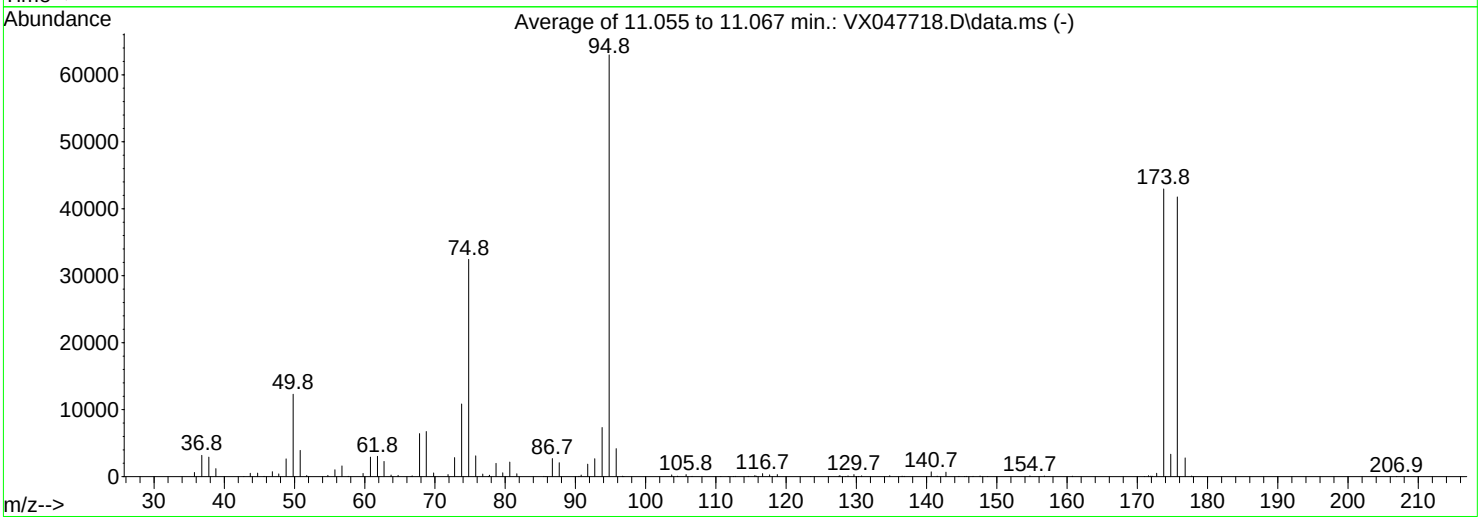
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047718.D
Acq On : 23 Sep 2025 08:05
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025




AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 19.6 | 12318 | PASS |
| 75 | 95 | 30 | 60 | 51.5 | 32445 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 62984 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 4176 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 495 | PASS |
| 174 | 95 | 50 | 100 | 68.2 | 42955 | PASS |
| 175 | 174 | 5 | 9 | 7.8 | 3337 | PASS |
| 176 | 174 | 95 | 101 | 97.2 | 41752 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 2792 | PASS |

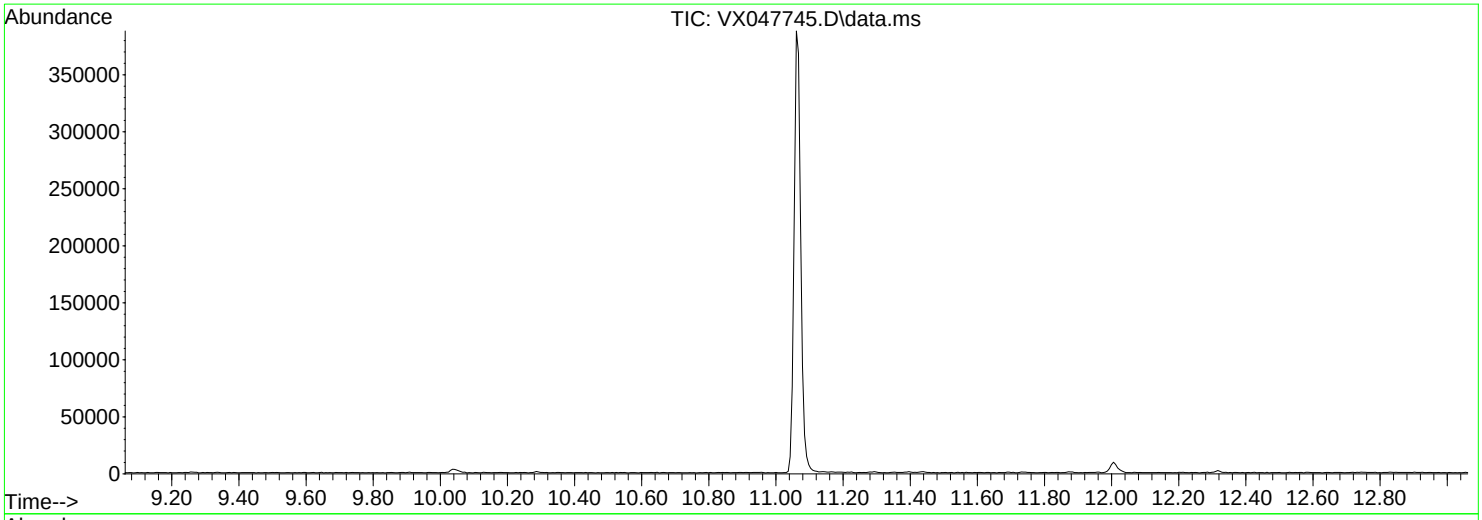
Sample Results: **VX047745.D**

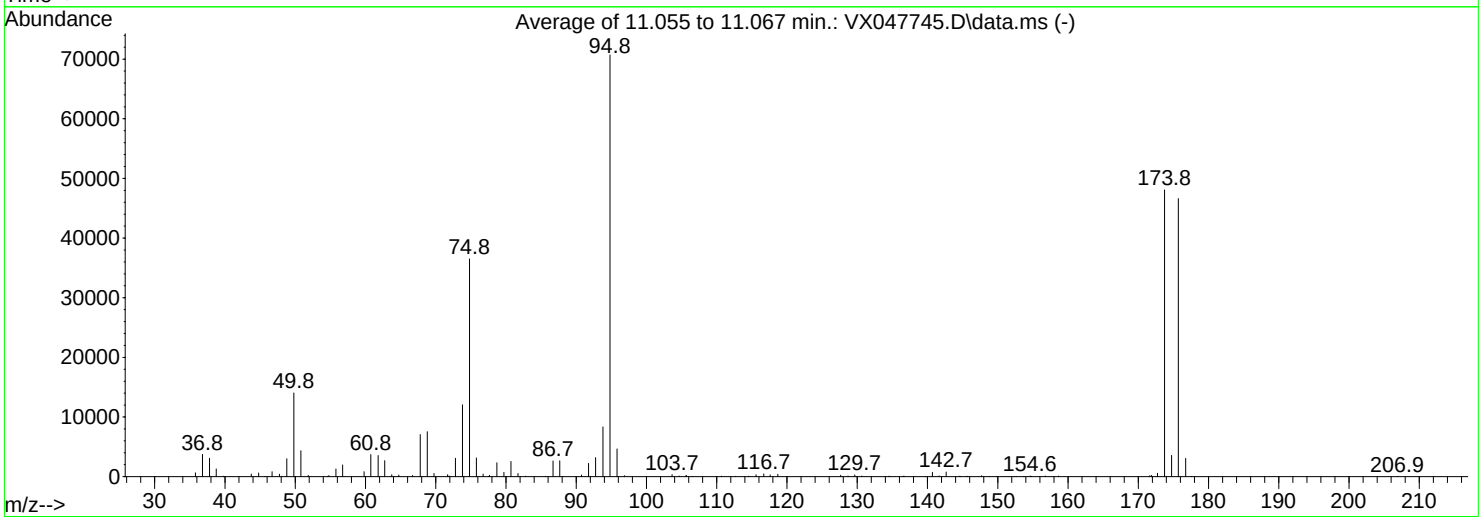
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047745.D
Acq On : 24 Sep 2025 01:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025




AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 19.9 | 14045 | PASS |
| 75 | 95 | 30 | 60 | 51.6 | 36501 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 70720 | PASS |
| 96 | 95 | 5 | 9 | 6.6 | 4644 | PASS |
| 173 | 174 | 0.00 | 2 | 1.2 | 568 | PASS |
| 174 | 95 | 50 | 100 | 68.0 | 48067 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 3558 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 46629 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 3052 | PASS |

Raw Data: **VX047721.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL01 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047721.D | 1 | 09/23/25 10:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047721.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL01 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047721.D | 1 | 09/23/25 10:22 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.6 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 47.7 | | 80 - 119 | | 95% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.0 | | 89 - 112 | | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 56.5 | | 85 - 114 | | 113% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 119000 | 5.531 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 249000 | 6.739 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 254000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 133000 | 12.006 | | | | |

Raw Data: **VX047721.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL01 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047721.D | 1 | 09/23/25 10:22 | VX092325 |

| 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\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Quant Time: Sep 24 01:26:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

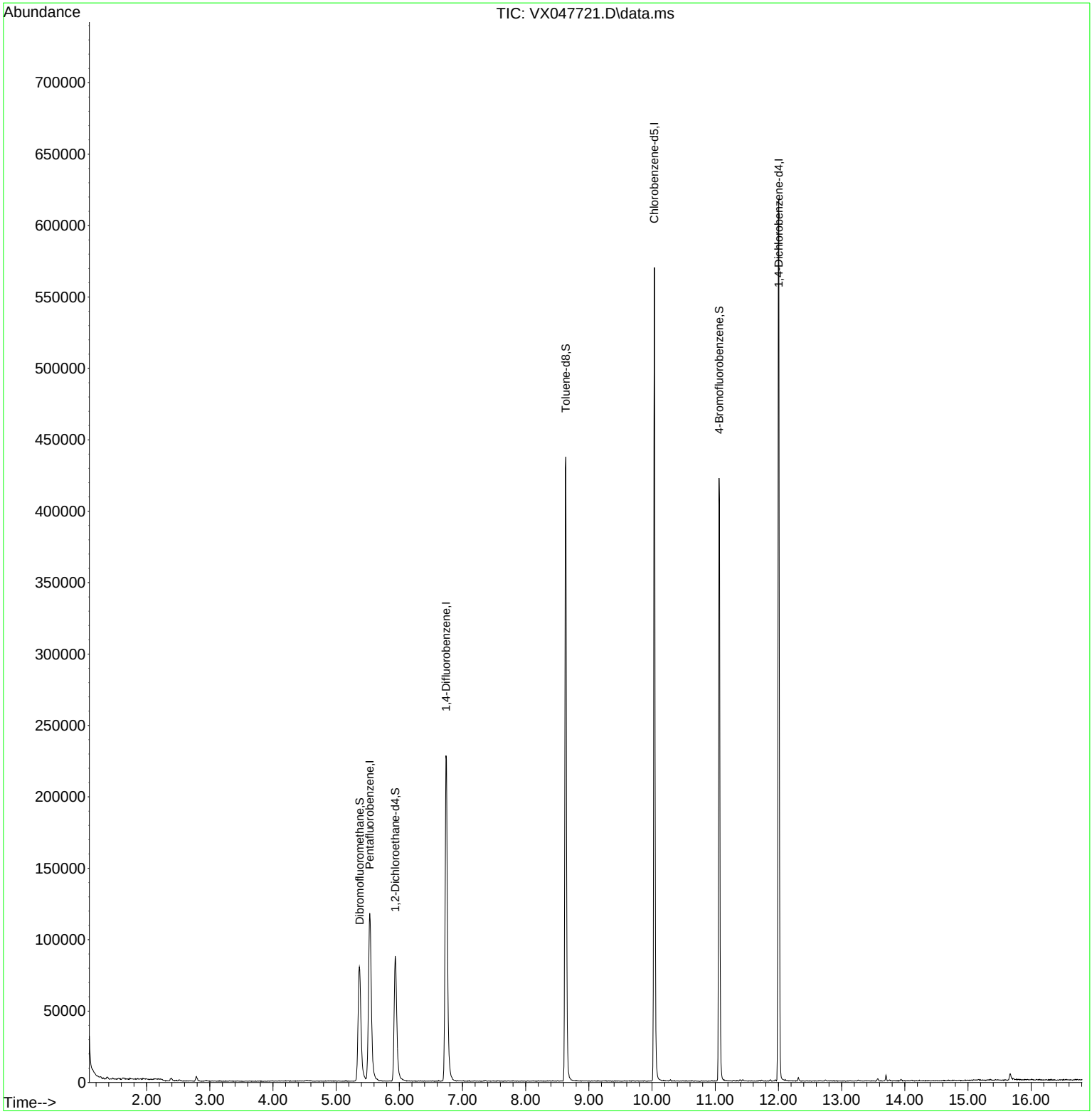
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 119065 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 248954 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 254277 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 132951 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 95920 | 50.612 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 101.220% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 79691 | 47.730 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 95.460% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 277020 | 47.950 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 95.900% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 123900 | 56.509 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 113.020% | | | |
| Target Compounds | | | | | | Qvalue |

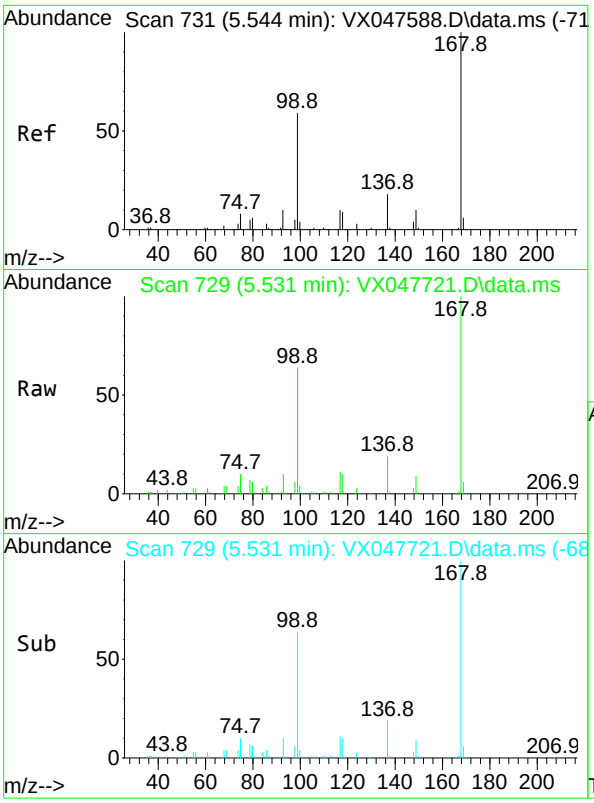
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Quant Time: Sep 24 01:26:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



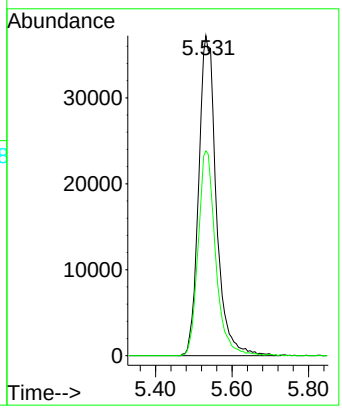


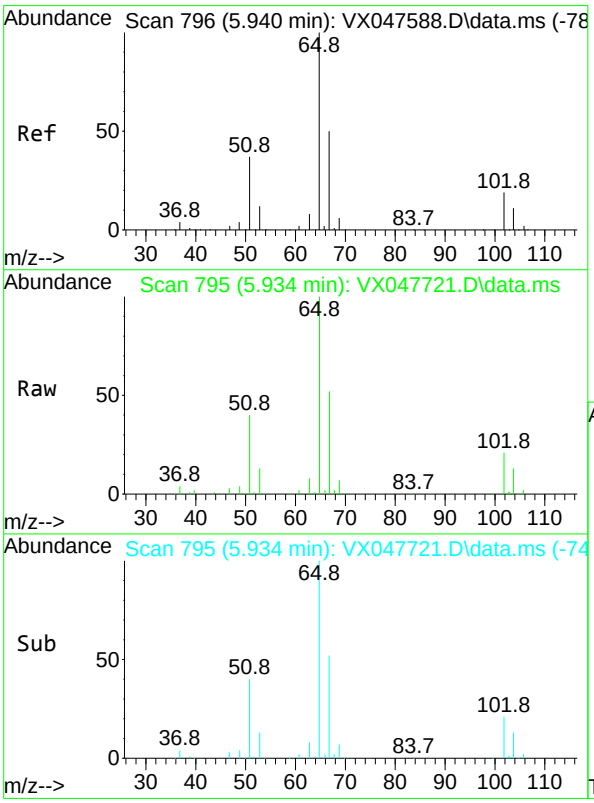

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Tgt Ion:168 Resp: 119065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.0 | 48.8 | 73.2 |

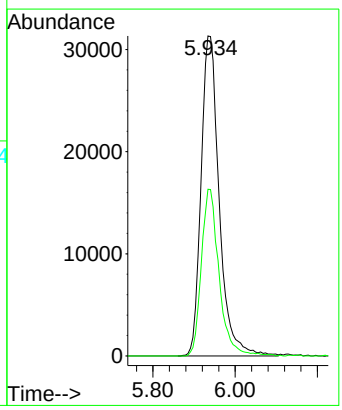


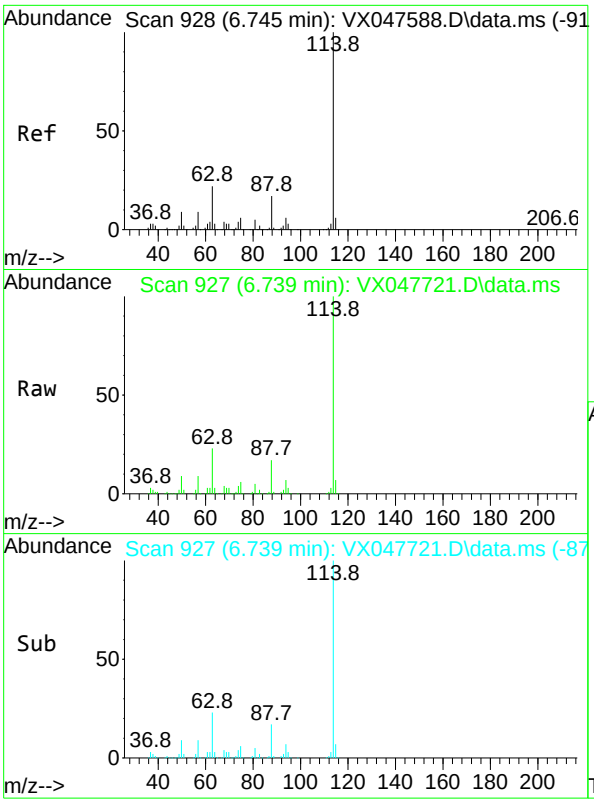




#33
1,2-Dichloroethane-d4
Concen: 50.612 ug/l
RT: 5.934 min Scan# 795
Delta R.T. -0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 65 Resp: 95920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.9 | 0.0 | 103.0 |



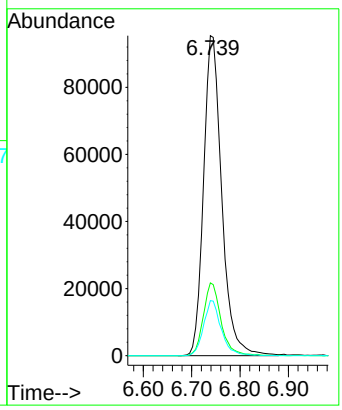


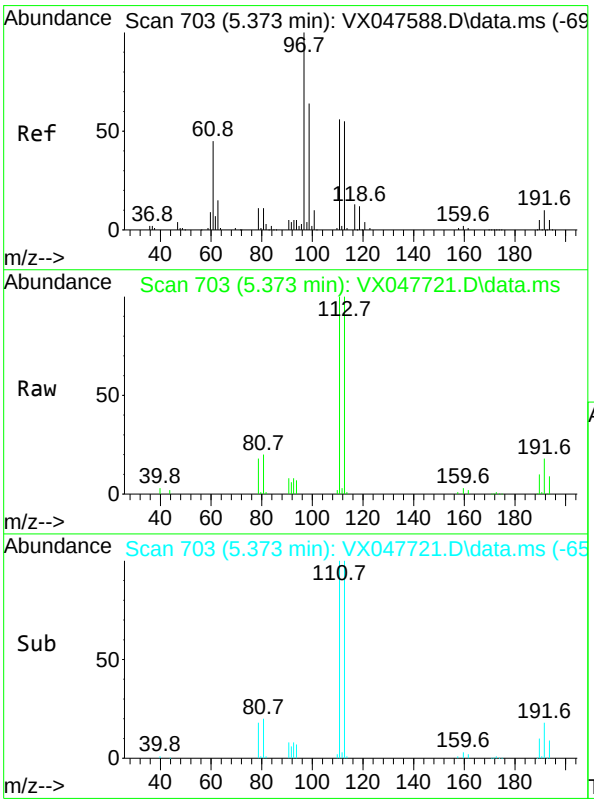

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Tgt Ion:114 Resp: 248954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 44.0 |
| 88 | 17.2 | 0.0 | 34.2 |

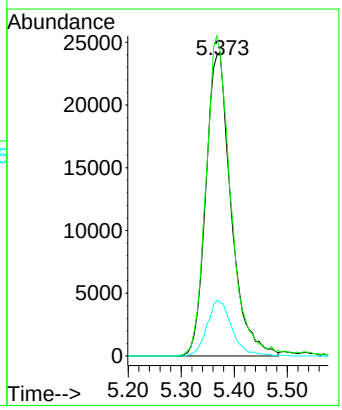


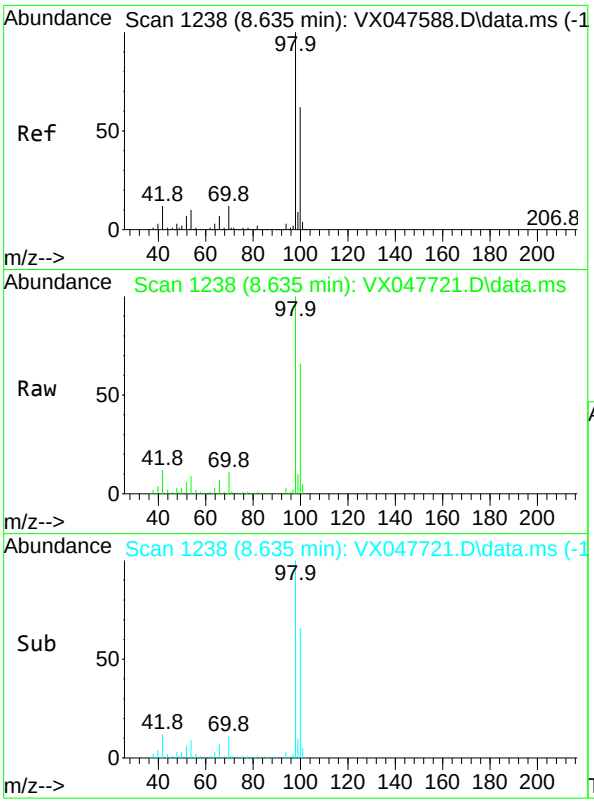




#35
Dibromofluoromethane
Concen: 47.730 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion:113 Resp: 79691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.9 | 80.9 | 121.3 |
| 192 | 18.1 | 14.2 | 21.4 |



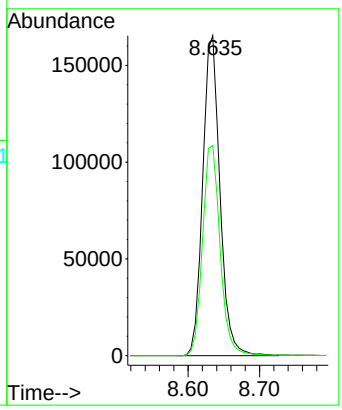


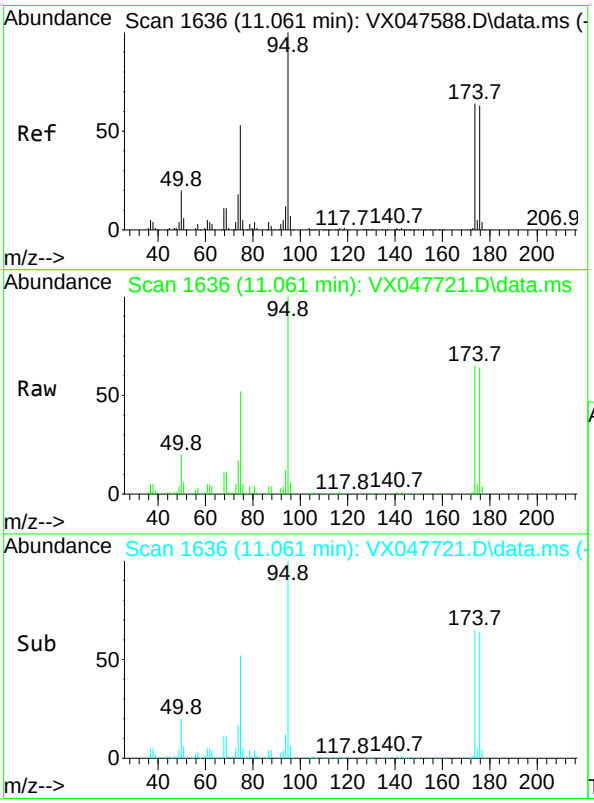

#50
Toluene-d8
Concen: 47.950 ug/l
RT: 8.635 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Tgt Ion: 98 Resp: 277020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |

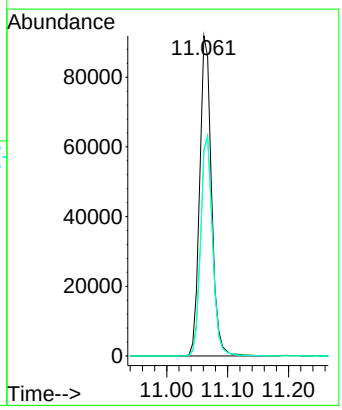


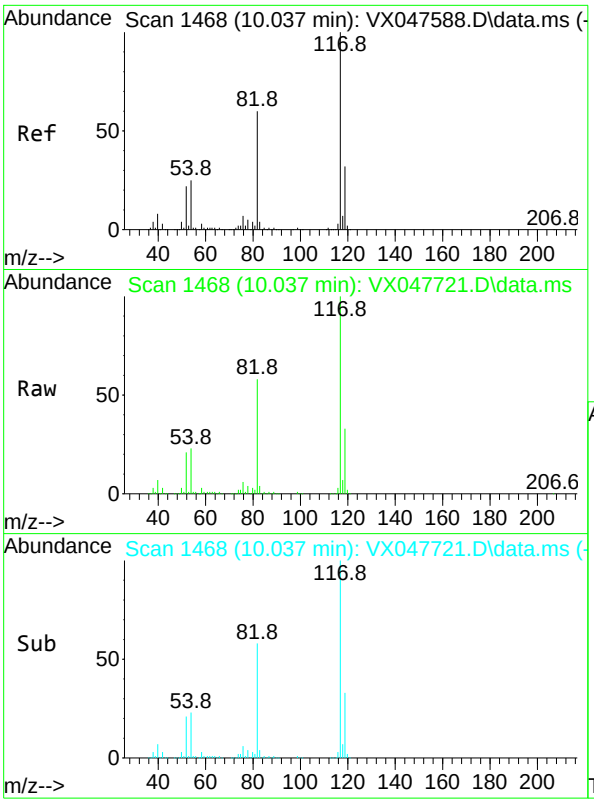




#62
4-Bromofluorobenzene
Concen: 56.509 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion: 95 Resp: 123900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.3 | 0.0 | 141.6 |
| 176 | 68.4 | 0.0 | 138.4 |



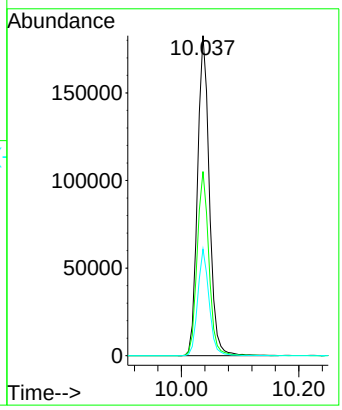


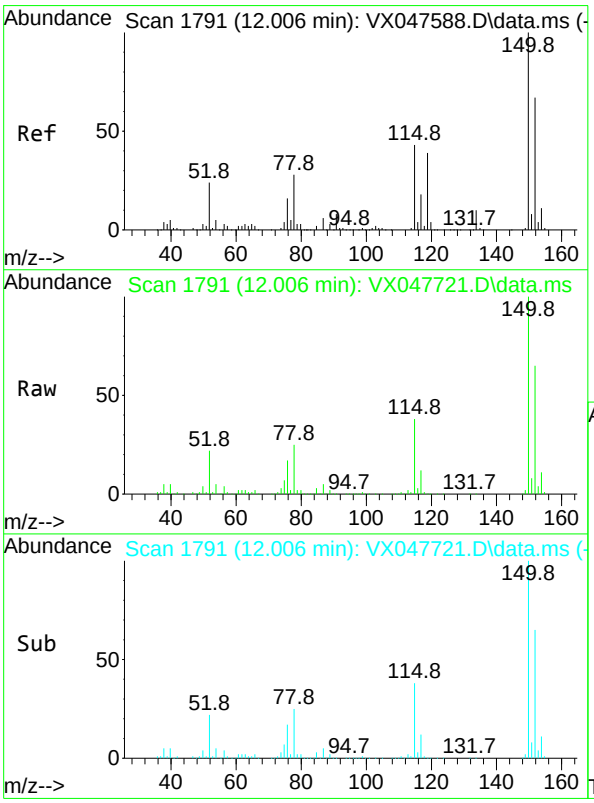

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Tgt Ion:117 Resp: 254277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.6 | 47.8 | 71.6 |
| 119 | 33.3 | 25.2 | 37.8 |

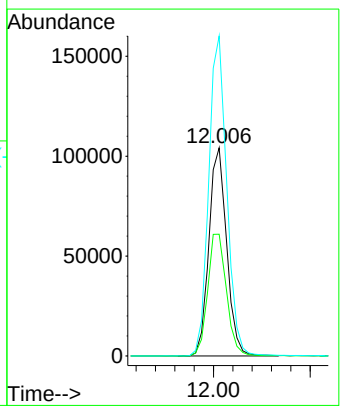



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047721.D
Acq: 23 Sep 2025 10:22

Tgt Ion:152 Resp: 132951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.8 | 44.9 | 134.5 |
| 150 | 156.0 | 0.0 | 352.0 |



Sample Results: **VX047721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047721.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.367 | 688 | 702 | 718 | rBV3 | 79956 | 261667 | 31.50% | 5.917% |
| 2 | 5.531 | 720 | 729 | 747 | rVB | 116286 | 357458 | 43.03% | 8.082% |
| 3 | 5.934 | 786 | 795 | 811 | rBV2 | 87543 | 256756 | 30.91% | 5.806% |
| 4 | 6.739 | 918 | 927 | 949 | rBV | 227806 | 591234 | 71.17% | 13.368% |
| 5 | 8.635 | 1231 | 1238 | 1252 | rBV | 437196 | 747472 | 89.97% | 16.901% |
| 6 | 10.037 | 1462 | 1468 | 1487 | rBV | 569544 | 793003 | 95.45% | 17.931% |
| 7 | 11.061 | 1631 | 1636 | 1648 | rBV | 422023 | 575868 | 69.32% | 13.021% |
| 8 | 12.006 | 1785 | 1791 | 1807 | rBV | 617648 | 830777 | 100.00% | 18.785% |
| 9 | 15.670 | 2388 | 2392 | 2398 | rBV6 | 4302 | 8386 | 1.01% | 0.190% |

Sum of corrected areas: 4422621

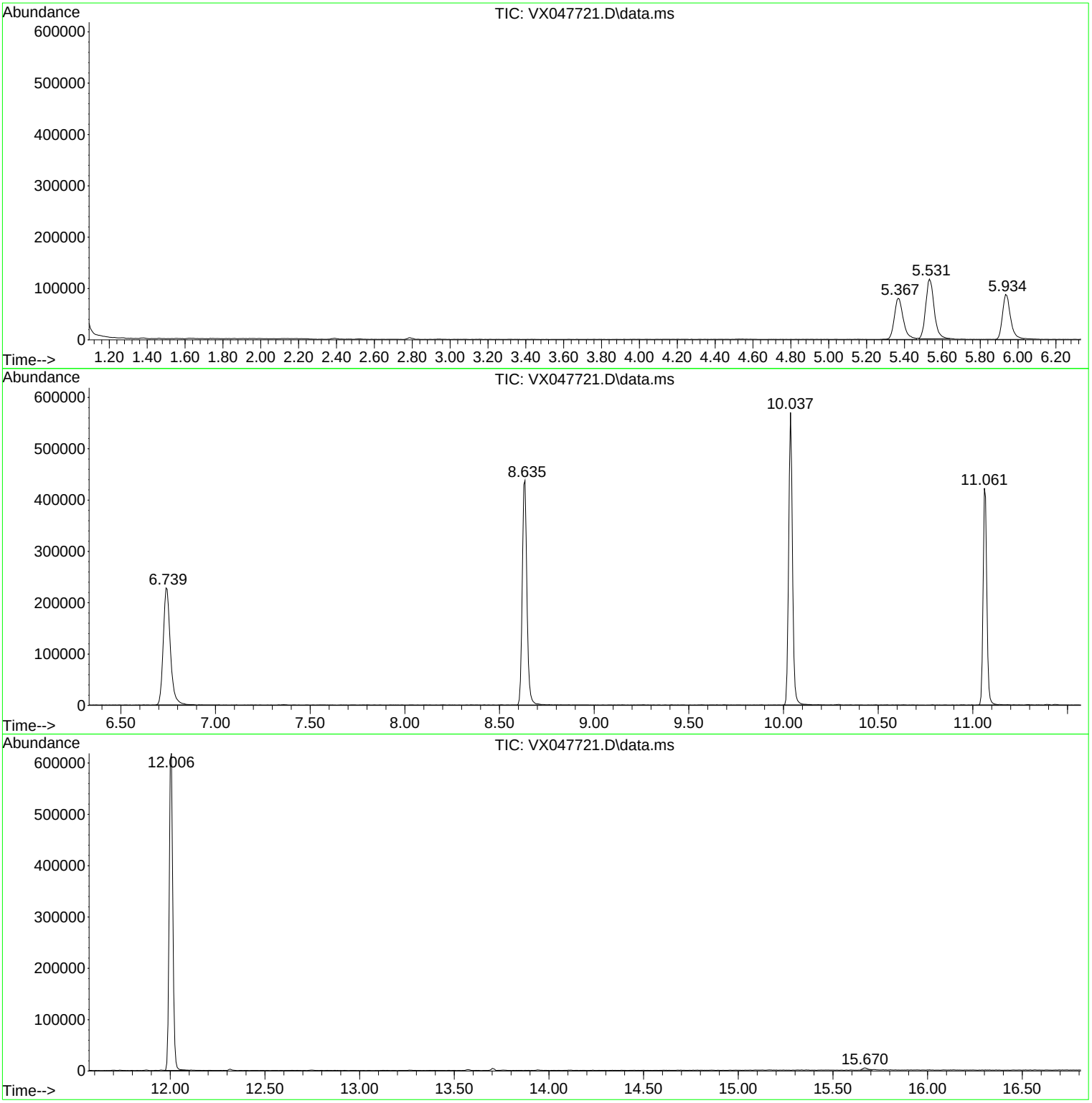
Sample Results: **VX047721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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\VX092325\
Data File : VX047721.D
Acq On : 23 Sep 2025 10:22
Operator : JC/MD
Sample : VX0923WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047747.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047747.D | 1 | 09/24/25 03:11 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.50 | U | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.75 | U | 0.26 | 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 | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.50 | U | 0.33 | 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 | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 3.80 | U | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.75 | U | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.75 | U | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.50 | U | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 2.50 | U | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 2.50 | U | 0.98 | 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 | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.50 | U | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.75 | U | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.50 | U | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 2.50 | U | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.50 | U | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047747.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047747.D | 1 | 09/24/25 03:11 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.50 | U | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.50 | U | 0.16 | 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 | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.50 | U | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.50 | U | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.50 | U | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 1.00 | U | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.50 | U | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.50 | U | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.50 | U | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.50 | U | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.50 | U | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.75 | U | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.50 | U | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.75 | U | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 51.7 | | 81 - 118 | | 103% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.8 | | 80 - 119 | | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.2 | | 89 - 112 | | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.7 | | 85 - 114 | | 103% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 197000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 378000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 356000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 171000 | 12.006 | | | | |

Raw Data: **VX047747.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBL02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBL02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047747.D | 1 | 09/24/25 03:11 | VX092325 |

| 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\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Quant Time: Sep 24 03:44:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 197095 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 377977 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 356070 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 171478 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 162215 | 51.706 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 103.420% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 128776 | 50.801 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.600% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 440529 | 50.224 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 100.440% | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 172255 | 51.746 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 103.500% | | | |

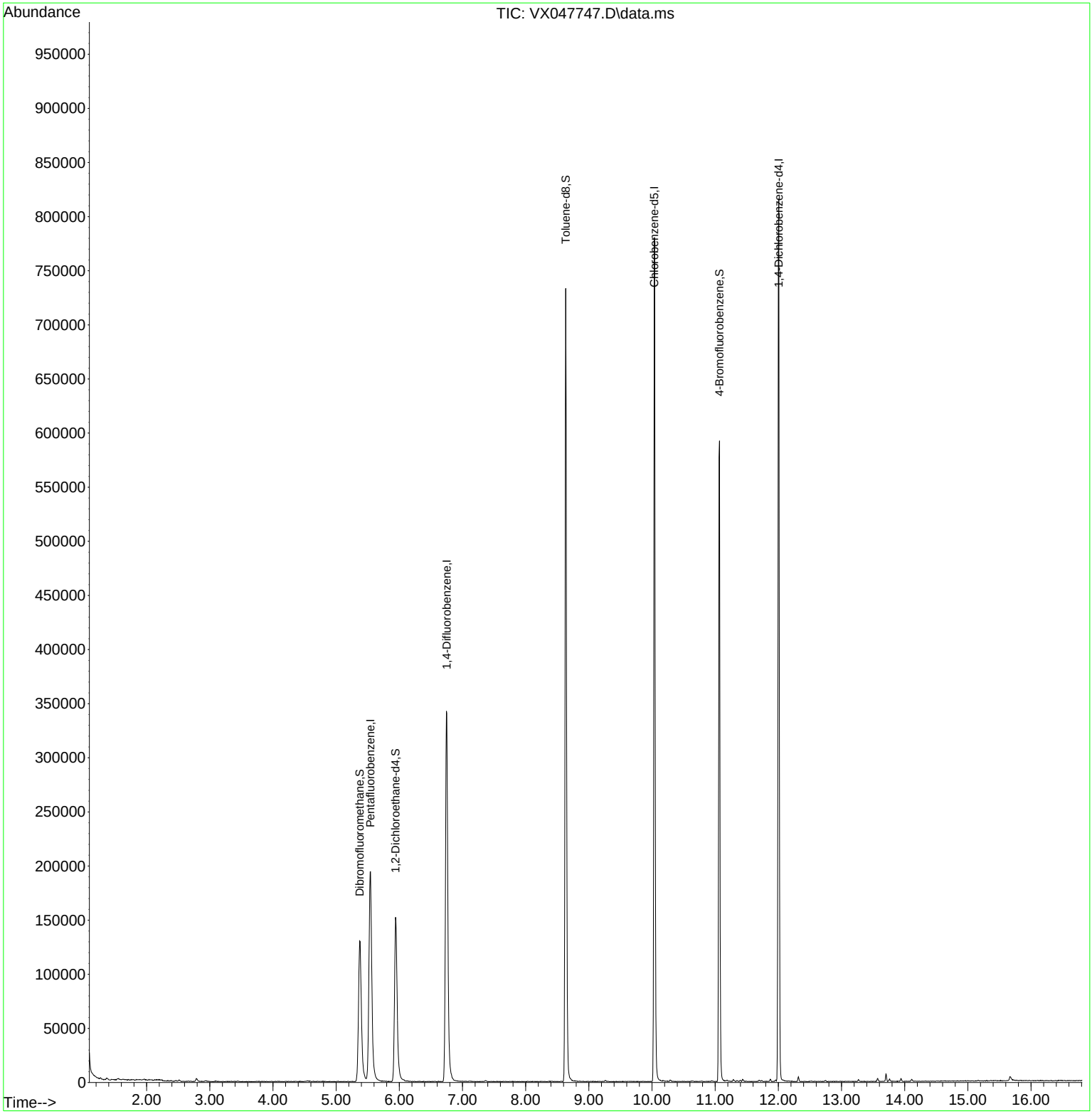
Target Compounds Qvalue

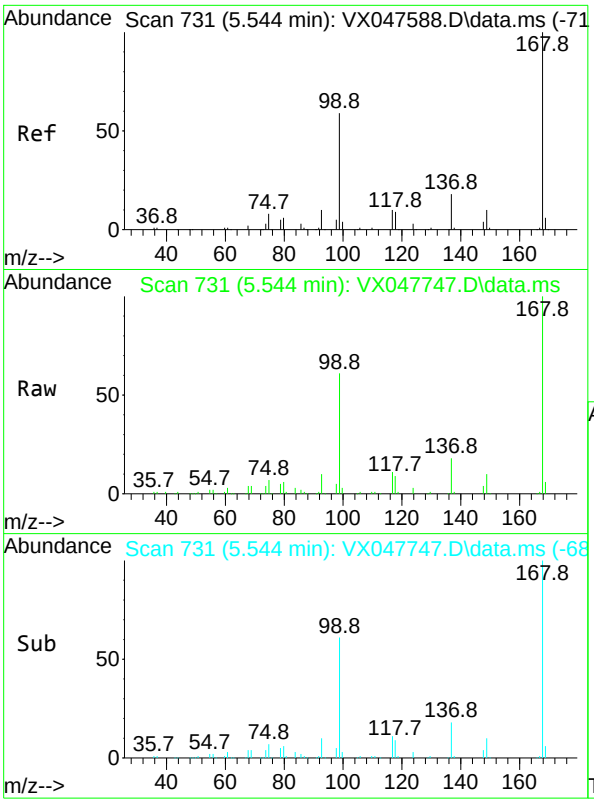
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Quant Time: Sep 24 03:44:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



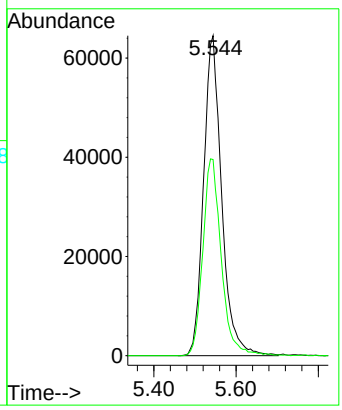


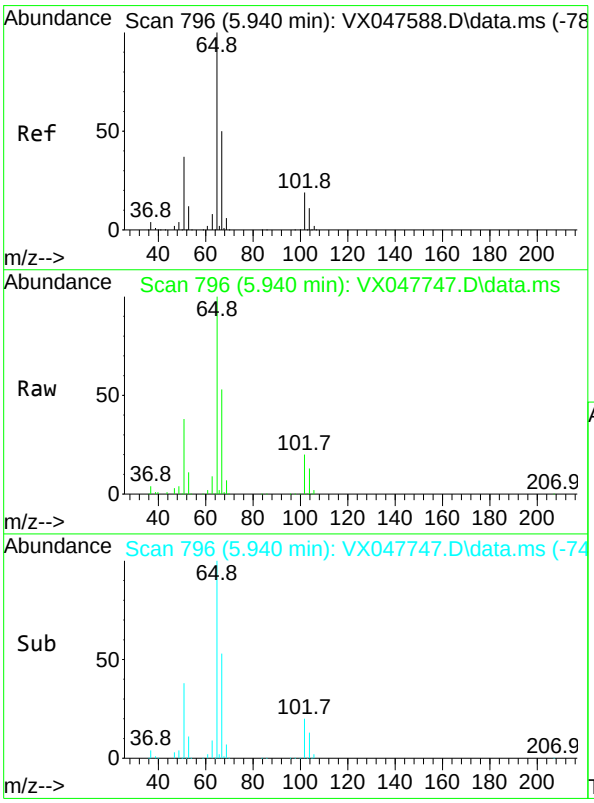

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Tgt Ion:168 Resp: 197095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.3 | 48.8 | 73.2 |

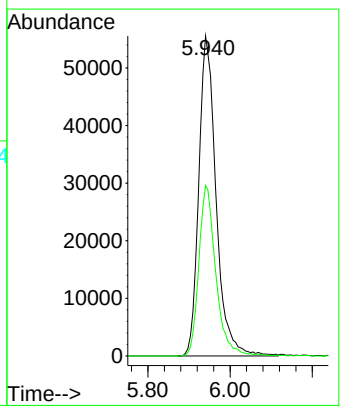


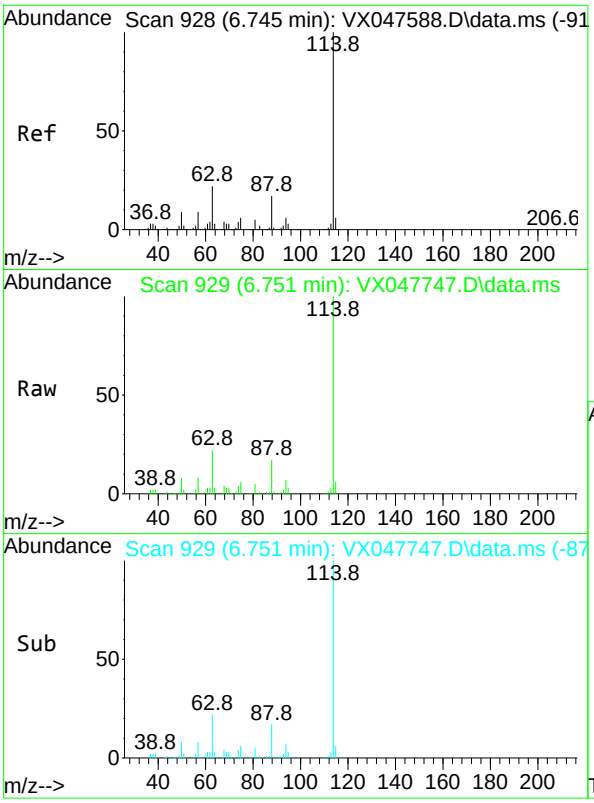




#33
1,2-Dichloroethane-d4
Concen: 51.706 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 65 Resp: 162215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.4 | 0.0 | 103.0 |



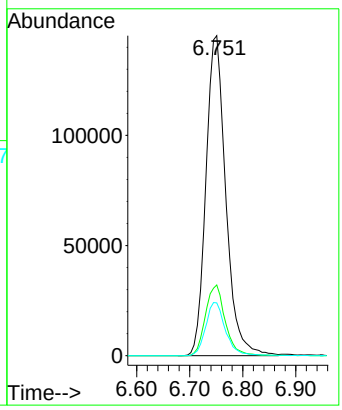


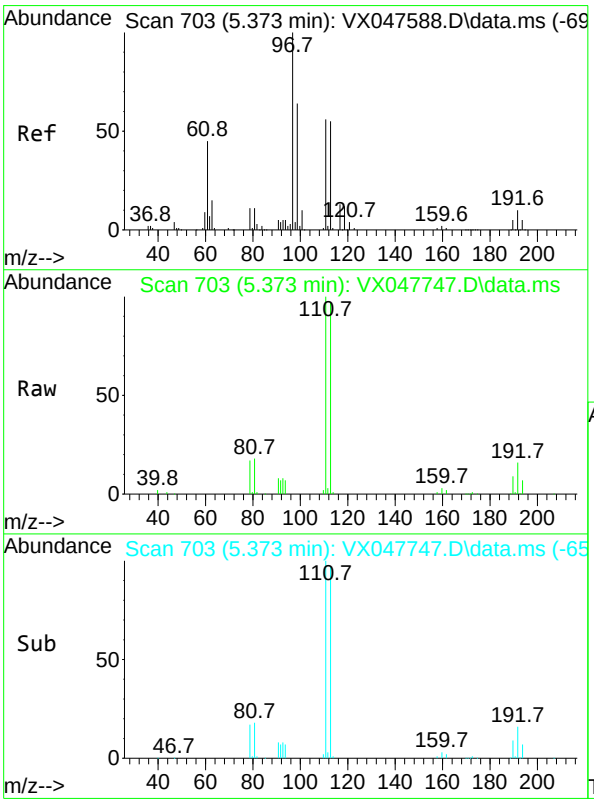

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Tgt Ion:114 Resp: 377977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.1 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |

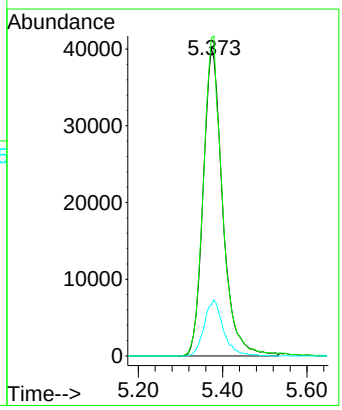


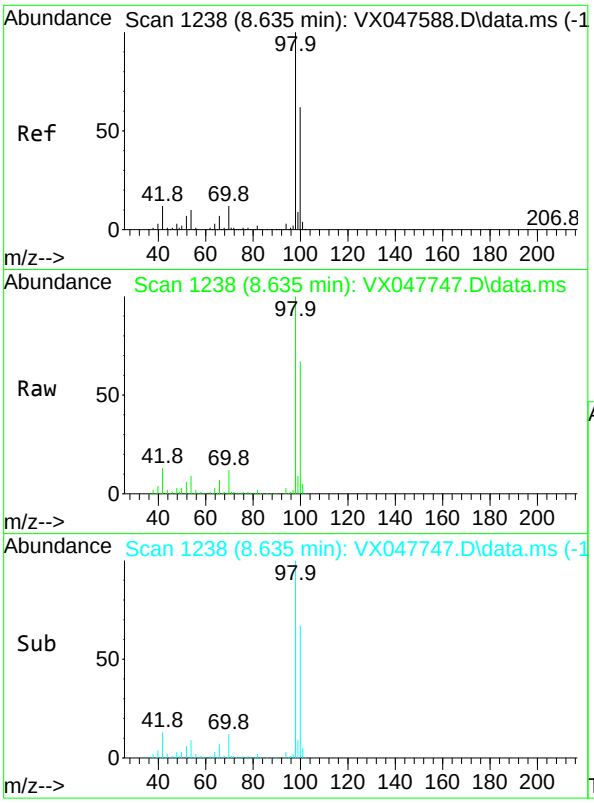




#35
Dibromofluoromethane
Concen: 50.801 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion:113 Resp: 128776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.6 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |



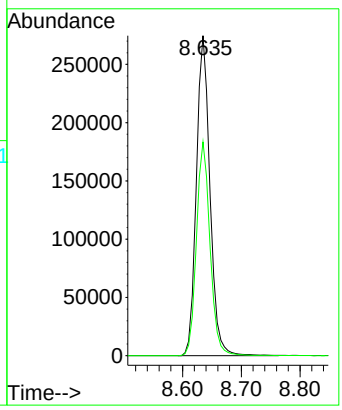


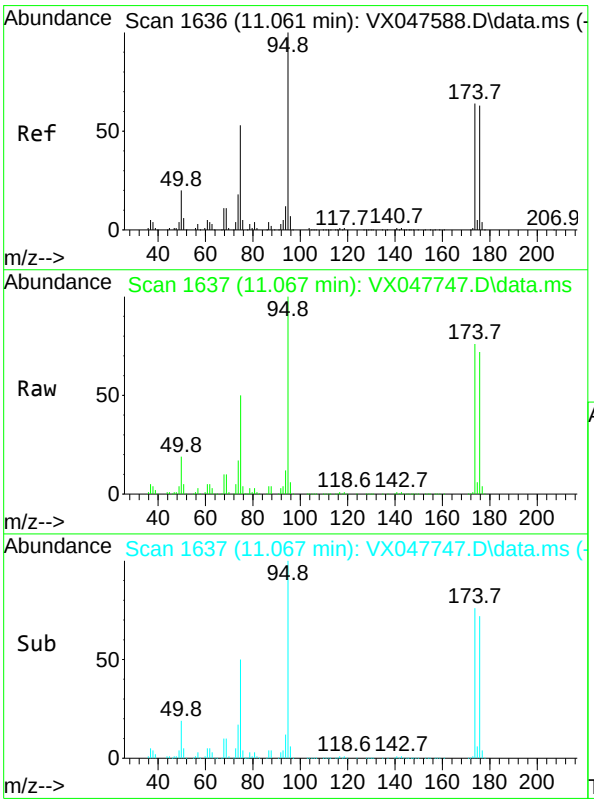

#50
Toluene-d8
Concen: 50.224 ug/l
RT: 8.635 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Tgt Ion: 98 Resp: 440529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

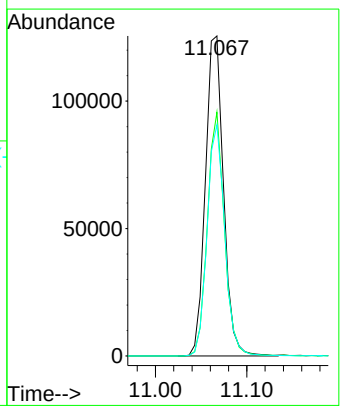


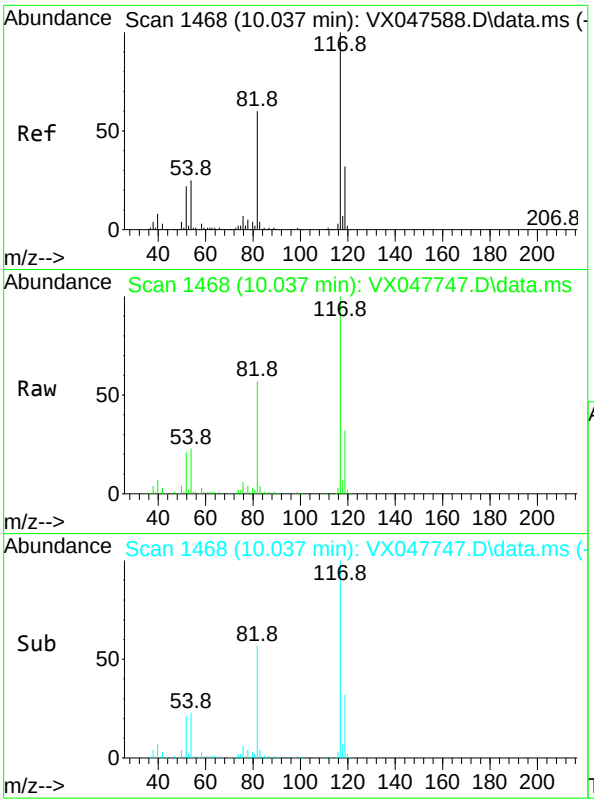




#62
4-Bromofluorobenzene
Concen: 51.746 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion: 95 Resp: 172255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.8 | 0.0 | 141.6 |
| 176 | 70.3 | 0.0 | 138.4 |



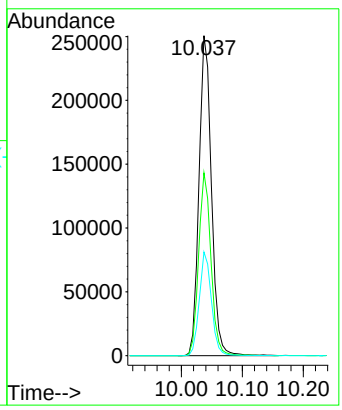


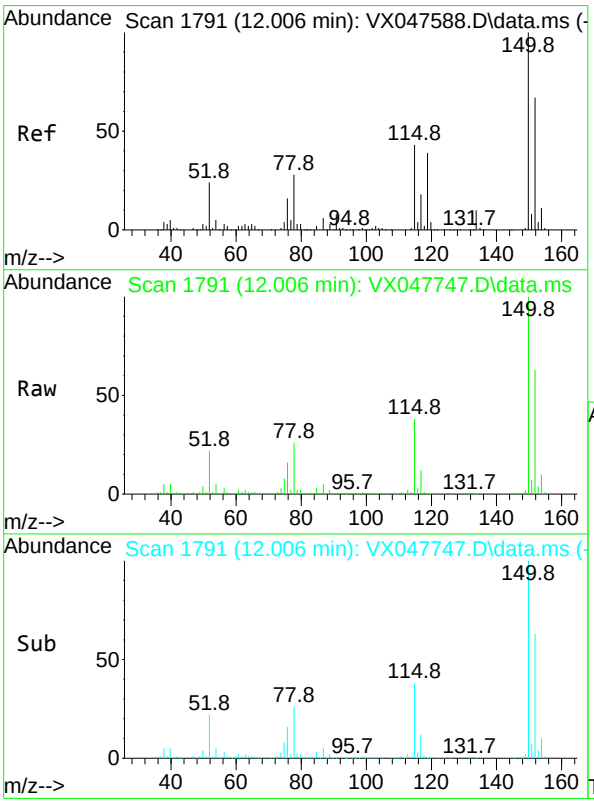

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Tgt Ion:117 Resp: 356070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.1 | 47.8 | 71.6 |
| 119 | 32.4 | 25.2 | 37.8 |

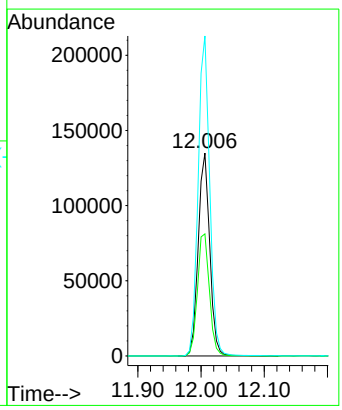



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047747.D
Acq: 24 Sep 2025 03:11

Tgt Ion:152 Resp: 171478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 62.6 | 44.9 | 134.5 |
| 150 | 158.1 | 0.0 | 352.0 |



Sample Results: **VX047747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

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\82X091625W.M
Title : SW846 8260

Signal : TIC: VX047747.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.373 | 690 | 703 | 720 | rBV4 | 130009 | 417695 | 35.09% | 6.382% |
| 2 | 5.544 | 720 | 731 | 757 | rVB | 193478 | 608449 | 51.12% | 9.297% |
| 3 | 5.940 | 786 | 796 | 816 | rBV | 151763 | 441905 | 37.13% | 6.752% |
| 4 | 6.745 | 918 | 928 | 949 | rBV | 342348 | 900643 | 75.67% | 13.762% |
| 5 | 8.635 | 1231 | 1238 | 1259 | rBV | 732794 | 1190252 | 100.00% | 18.187% |
| 6 | 10.037 | 1462 | 1468 | 1483 | rBV | 779803 | 1100647 | 92.47% | 16.818% |
| 7 | 11.067 | 1631 | 1637 | 1648 | rBV | 592054 | 811047 | 68.14% | 12.393% |
| 8 | 12.006 | 1785 | 1791 | 1801 | rBV | 815074 | 1073777 | 90.21% | 16.408% |

Sum of corrected areas: 6544415

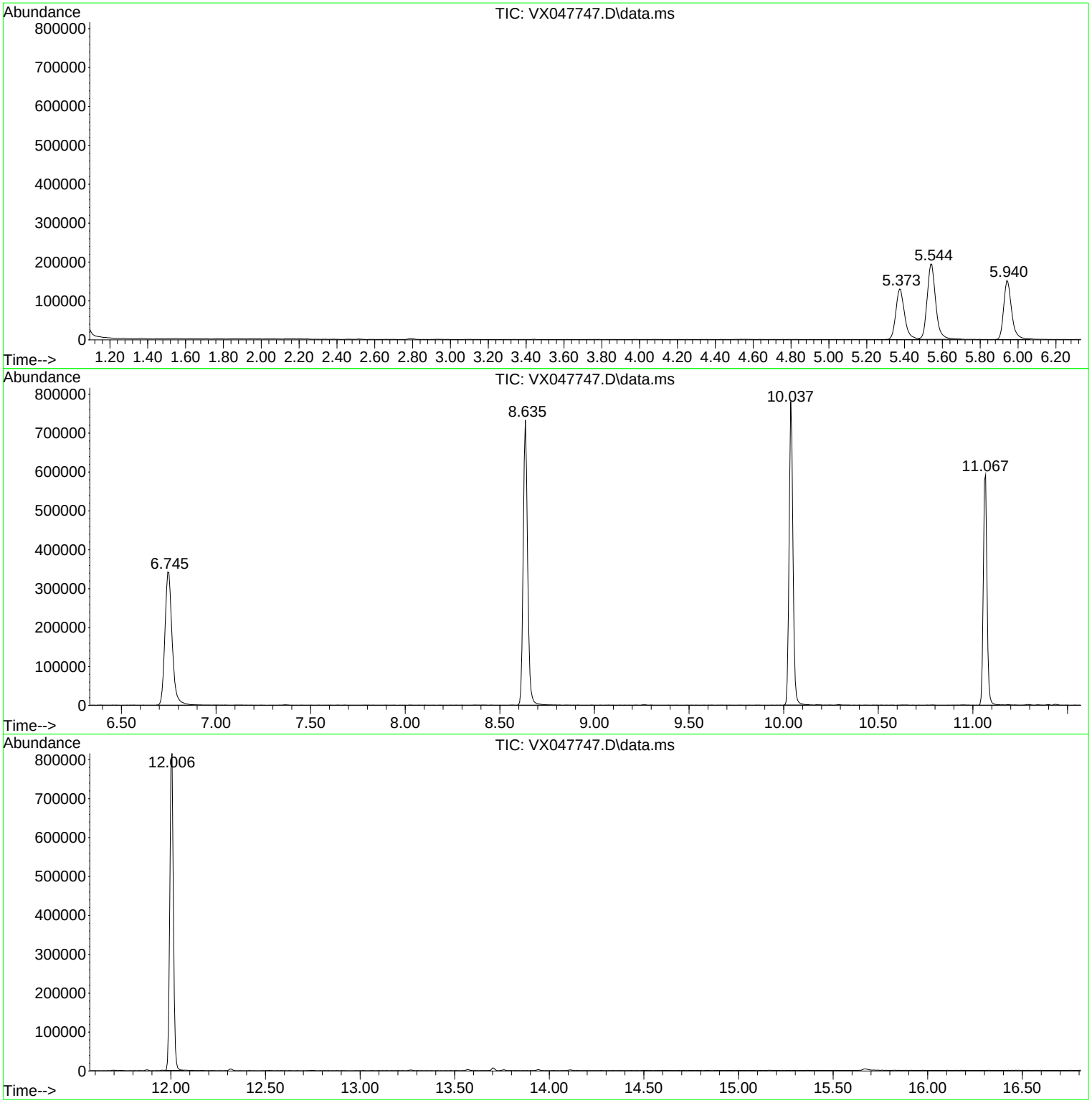
Sample Results: **VX047747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260

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

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

Sample Results: **VX047747.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047747.D
Acq On : 24 Sep 2025 03:11
Operator : JC/MD
Sample : VX0923WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.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: **VX047723.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047723.D | 1 | 09/23/25 11:15 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.2 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 17.6 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 17.4 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.5 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 16.5 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 16.6 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.1 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 16.7 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 71.7 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.2 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 16.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 16.6 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 16.4 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 17.0 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 16.5 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 16.7 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 78.7 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 15.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 16.2 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 16.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 16.6 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 16.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 17.3 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 16.7 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 16.5 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 17.5 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 16.8 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 16.6 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 86.0 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 16.9 | | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047723.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047723.D | 1 | 09/23/25 11:15 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 16.3 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 16.8 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 17.2 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 83.0 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 17.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 17.4 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 17.1 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 16.7 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 16.7 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 33.9 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 16.9 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 16.6 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 16.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 16.4 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16.6 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 16.9 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 16.6 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 16.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 15.2 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16.2 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 16.4 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.0 | | 81 - 118 | | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.1 | | 80 - 119 | | 92% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 46.4 | | 89 - 112 | | 93% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.8 | | 85 - 114 | | 94% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 182000 | 5.532 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 323000 | 6.745 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 290000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 142000 | 12.006 | | | | |

Raw Data: **VX047723.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS02 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS02 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047723.D | 1 | 09/23/25 11:15 | VX092325 |

| 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\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 181787 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 322664 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 289792 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 141661 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 130163 | 44.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 89.960% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 99865 | 46.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.300% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 347178 | 46.366 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 92.740% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 132914 | 46.772 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 36156 | 19.207 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 43445 | 17.560 | ug/l | 96 |
| 4) Vinyl Chloride | 1.380 | 62 | 42062 | 17.368 | ug/l | 99 |
| 5) Bromomethane | 1.618 | 94 | 28441 | 18.520 | ug/l | 96 |
| 6) Chloroethane | 1.697 | 64 | 26753 | 16.528 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 59843 | 16.642 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 24021 | 16.330 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 35974 | 17.109 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 51945 | 15.841 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.934 | 59 | 23851 | 74.010 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 36148 | 16.737 | ug/l | 94 |
| 13) Acrolein | 2.233 | 56 | 26313 | 88.603 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 70142 | 15.738 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 100750 | 84.401 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 90216 | 71.706 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 101957 | 17.244 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 46539 | 16.621 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 128594 | 16.310 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 43710 | 16.413 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 39414 | 16.950 | ug/l | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 144354 | 16.712 | ug/l # | 79 |
| 23) Vinyl Acetate | 3.709 | 43 | 575126 | 83.195 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 75728 | 16.495 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 123517 | 78.705 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 60715 | 15.910 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 46069 | 16.177 | ug/l | 97 |
| 28) Bromochloromethane | 4.885 | 49 | 33685 | 16.807 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.995 | 42 | 79140 | 83.826 | ug/l | 98 |
| 30) Chloroform | 5.074 | 83 | 77095 | 16.618 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 63808 | 16.688 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 64618 | 16.421 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 53594 | 16.949 | ug/l | 99 |
| 37) Ethyl Acetate | 4.696 | 43 | 53300 | 15.743 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 54702 | 15.922 | ug/l | 99 |
| 39) Methylcyclohexane | 7.360 | 83 | 62254 | 17.344 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 160358 | 16.697 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 30351 | 17.365 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 60128 | 16.455 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 90880 | 16.367 | ug/l | | 99 |
| 44) Trichloroethene | 7.111 | 130 | 40550 | 17.464 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 41341 | 16.811 | ug/l | | 99 |
| 46) Dibromomethane | 7.562 | 93 | 29969 | 16.746 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 61218 | 16.577 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 44713 | 16.166 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 10693 | 382.549 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 264665 | 85.968 | ug/l | | 99 |
| 52) Toluene | 8.702 | 92 | 99779 | 16.863 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 61393 | 16.298 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 67677 | 16.810 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 39130 | 17.151 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 60408 | 16.859 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 68685 | 17.525 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 143660 | 91.195 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 183521 | 83.000 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 45346 | 17.249 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 40518 | 17.435 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 32372 | 17.136 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 109903 | 16.694 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 37383 | 16.455 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.177 | 91 | 189524 | 16.684 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 143444 | 33.927 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 68954 | 16.861 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 118603 | 16.552 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 28237 | 16.646 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 177153 | 16.449 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 80035 | 16.296 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 54058 | 16.590 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 49816m | 17.368 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 43202 | 16.287 | ug/l | | 98 |
| 78) n-propylbenzene | 11.287 | 91 | 213079 | 16.736 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 128239 | 16.446 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 147832 | 16.707 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 16574 | 14.736 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 153584 | 16.677 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 149430 | 16.497 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 150232 | 16.747 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 181026 | 16.825 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 154052 | 16.913 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 83142 | 16.875 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 83968 | 16.605 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 144464 | 17.140 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 25557 | 15.981 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 78309 | 16.683 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 10024 | 15.194 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 49366 | 16.182 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 17786 | 17.165 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 146235 | 15.742 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 46461 | 16.373 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| 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\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations APPROVED**

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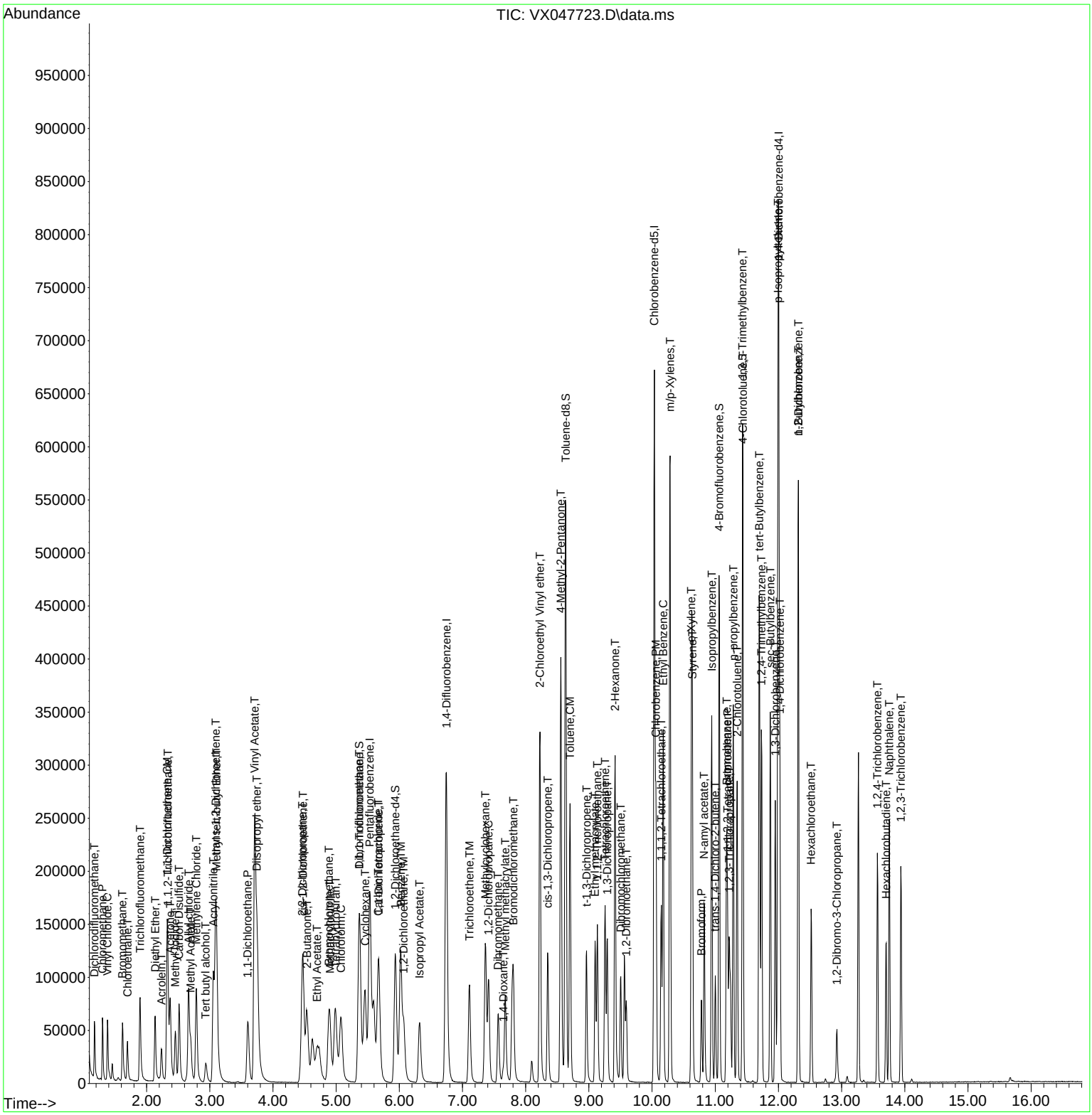
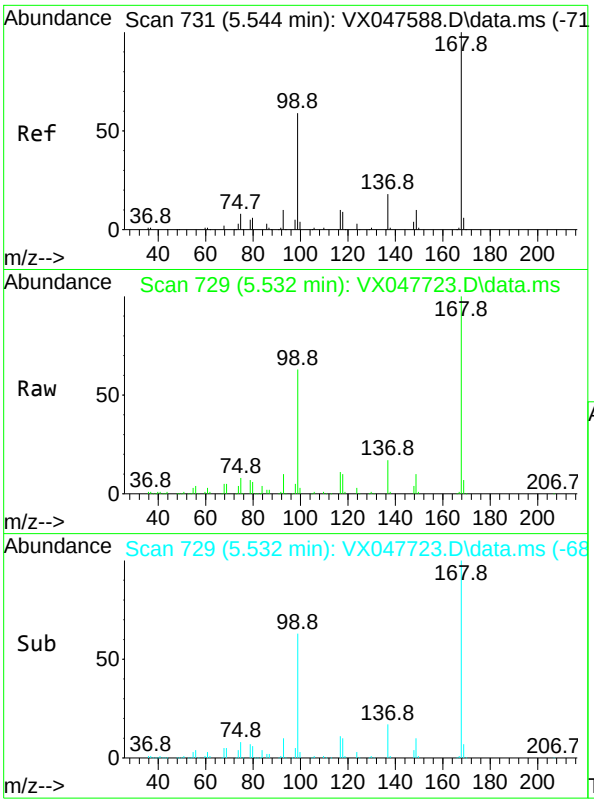
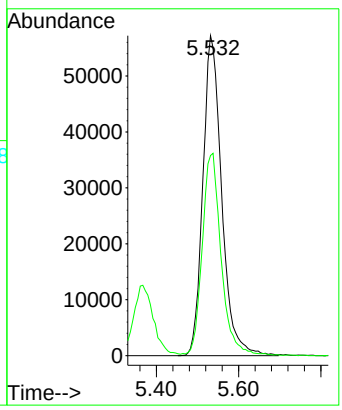





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:168 Resp: 18178

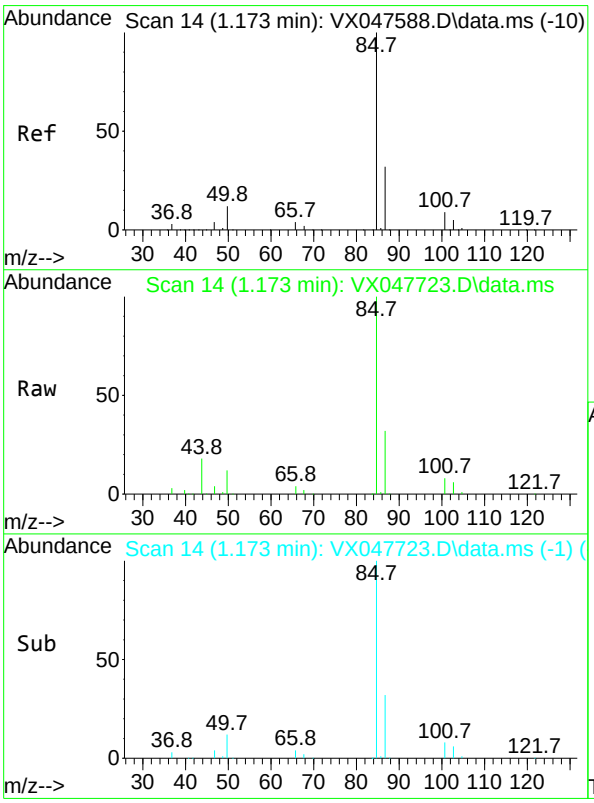
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

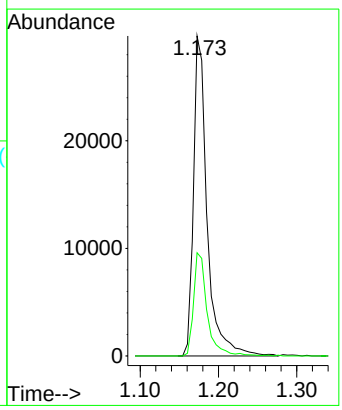
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

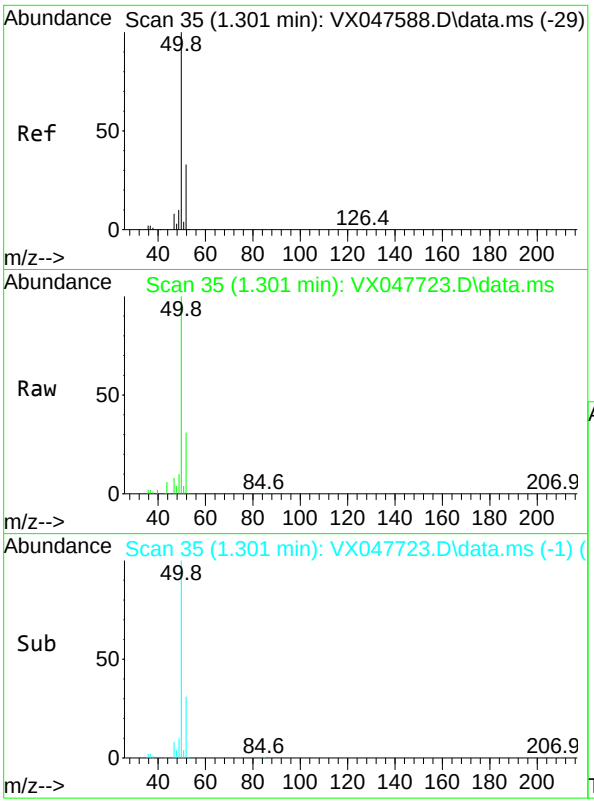



#2
Dichlorodifluoromethane
Concen: 19.207 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 85 Resp: 36156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.8 | 47.3 |






#3
Chloromethane
Concen: 17.560 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 50 Resp: 4344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.6 | 26.1 | 39.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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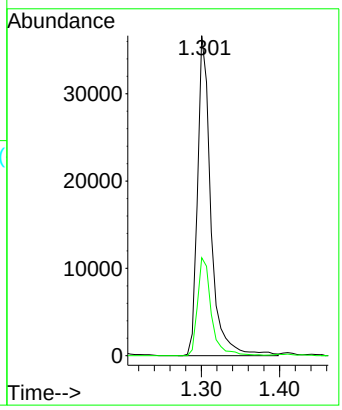
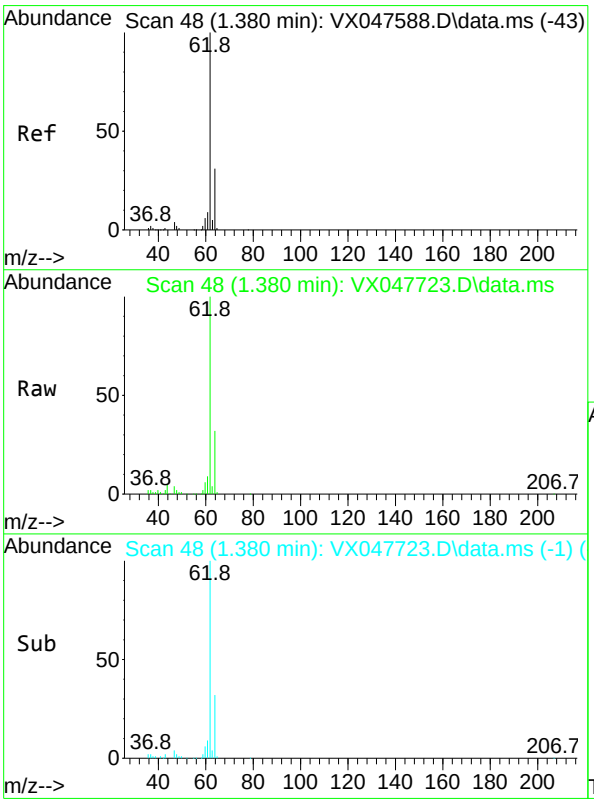
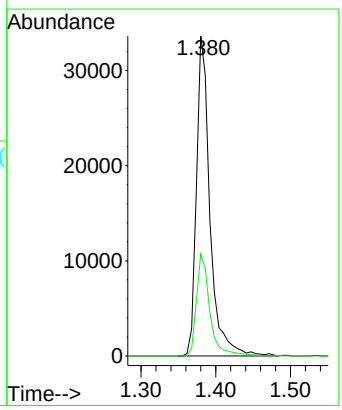


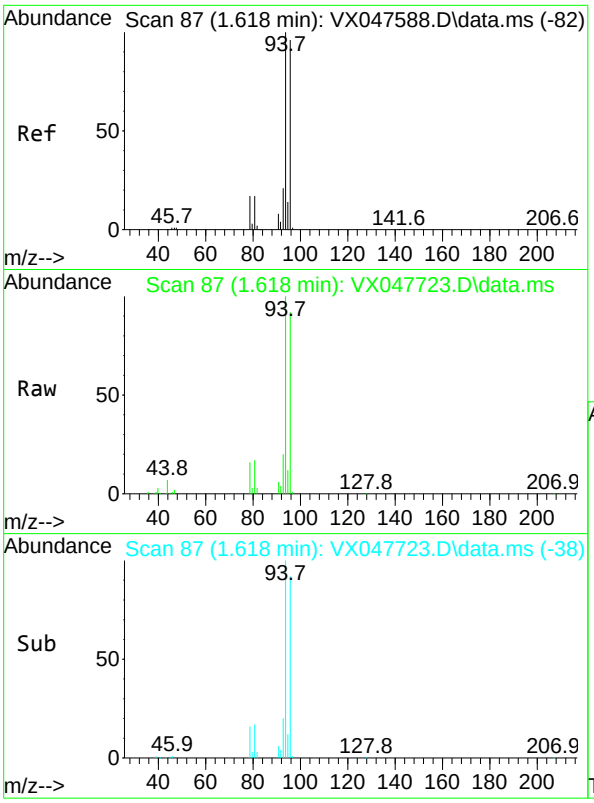




#4
Vinyl Chloride
Concen: 17.368 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 62 Resp: 42062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 24.9 | 37.3 |

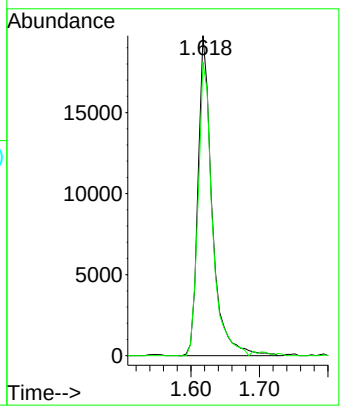





#5
Bromomethane
Concen: 18.520 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 94 Resp: 2844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.8 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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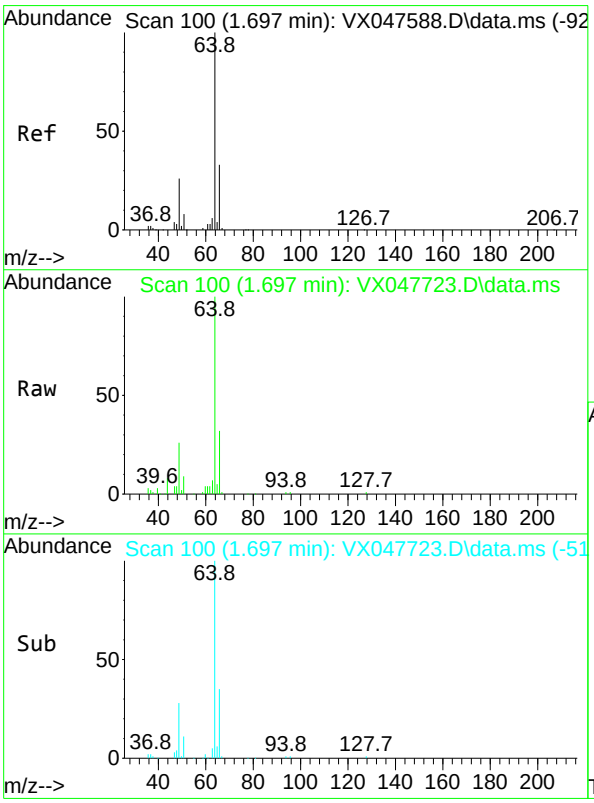
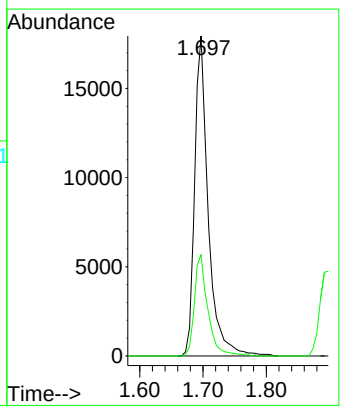
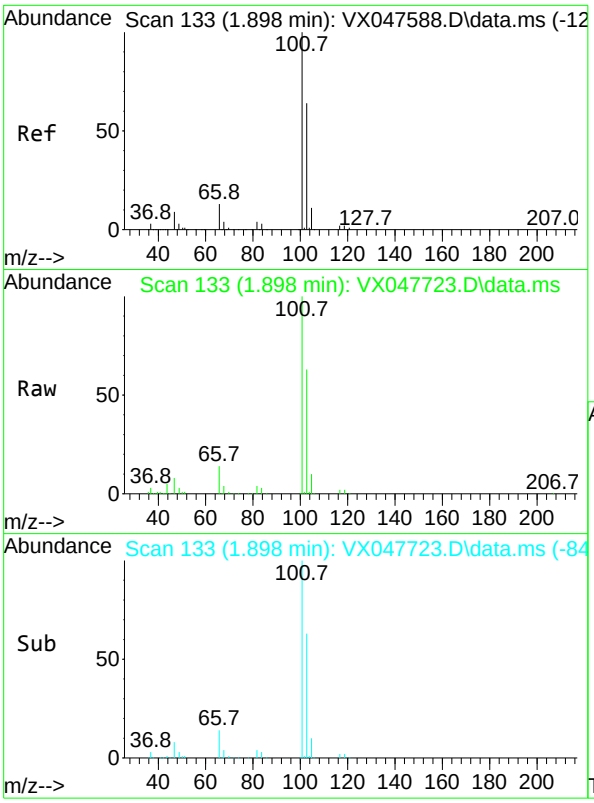



#6
Chloroethane
Concen: 16.528 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 64 Resp: 26753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 26.1 | 39.1 |






#7
Trichlorofluoromethane
Concen: 16.642 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:101 Resp: 5984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.9 | 51.4 | 77.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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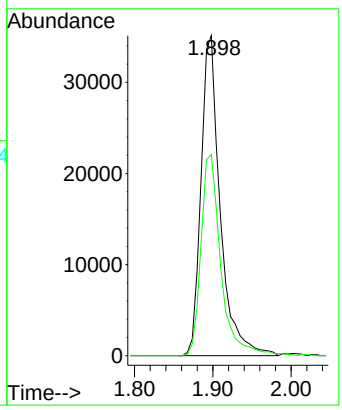
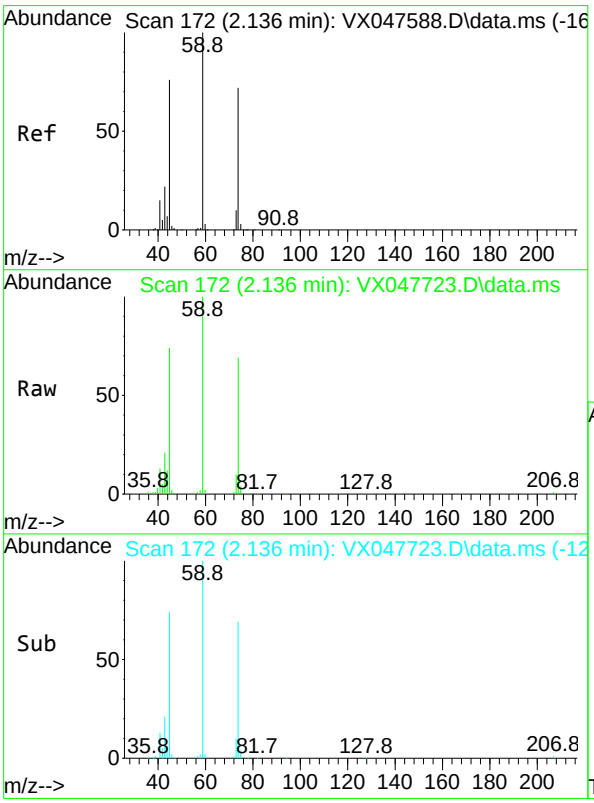
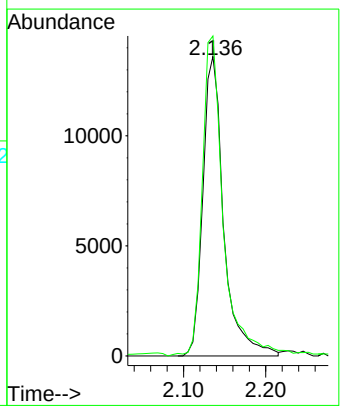


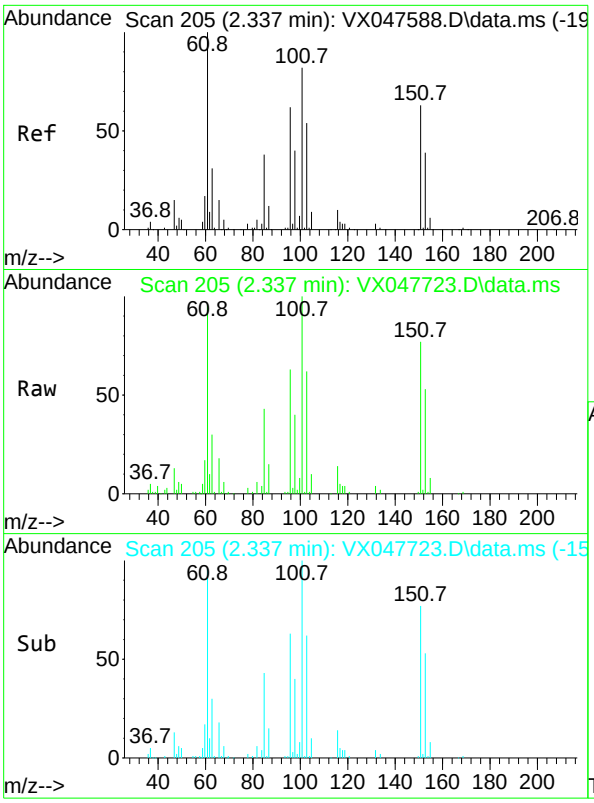




#8
Diethyl Ether
Concen: 16.330 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 74 Resp: 24021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 108.1 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.109 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:101 Resp: 3597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.5 | 53.3 |
| 151 | 75.1 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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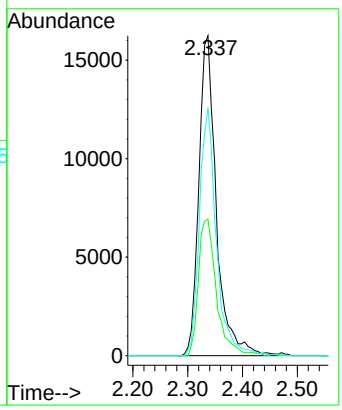
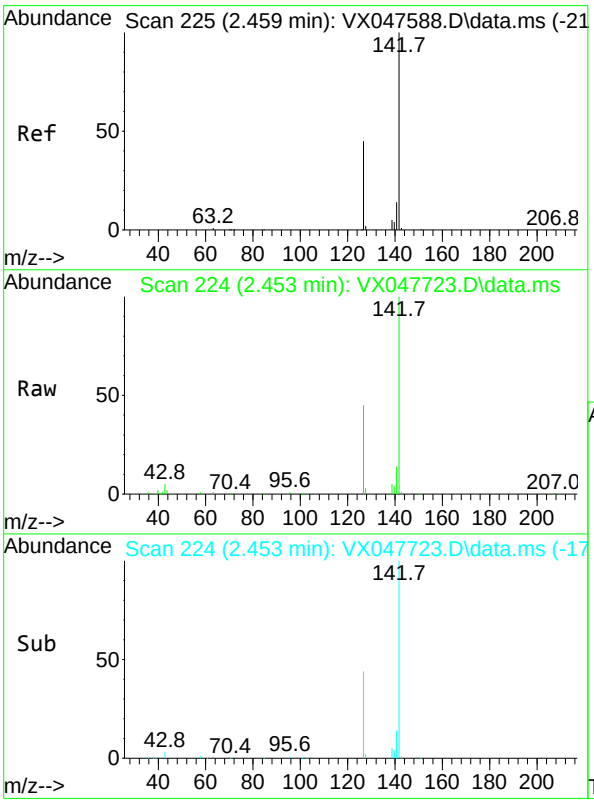
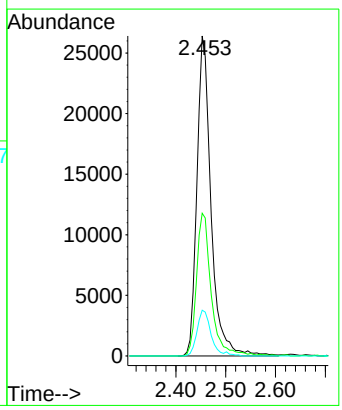


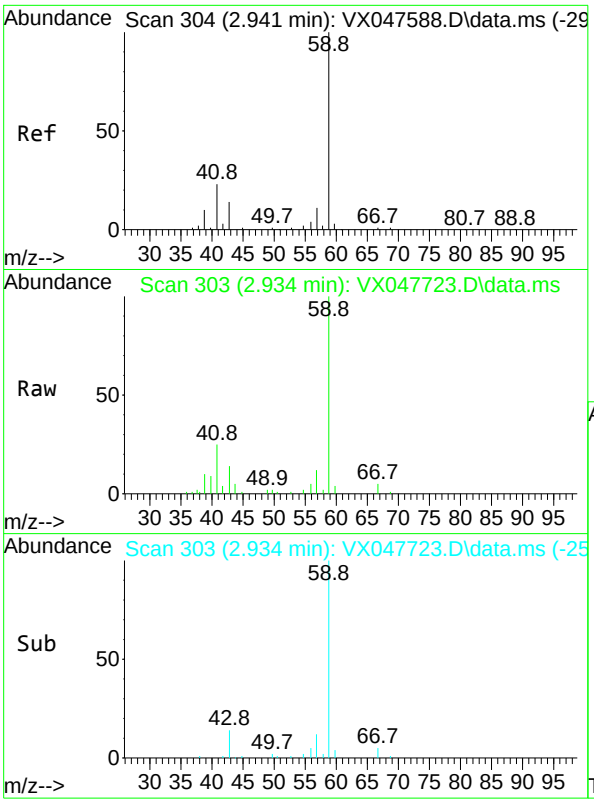




#10
Methyl Iodide
Concen: 15.841 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:142 Resp: 51945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.1 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |

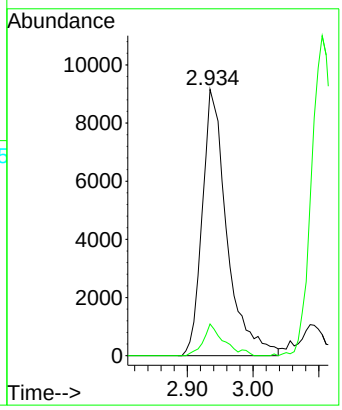





#11
Tert butyl alcohol
Concen: 74.010 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 59 Resp: 2385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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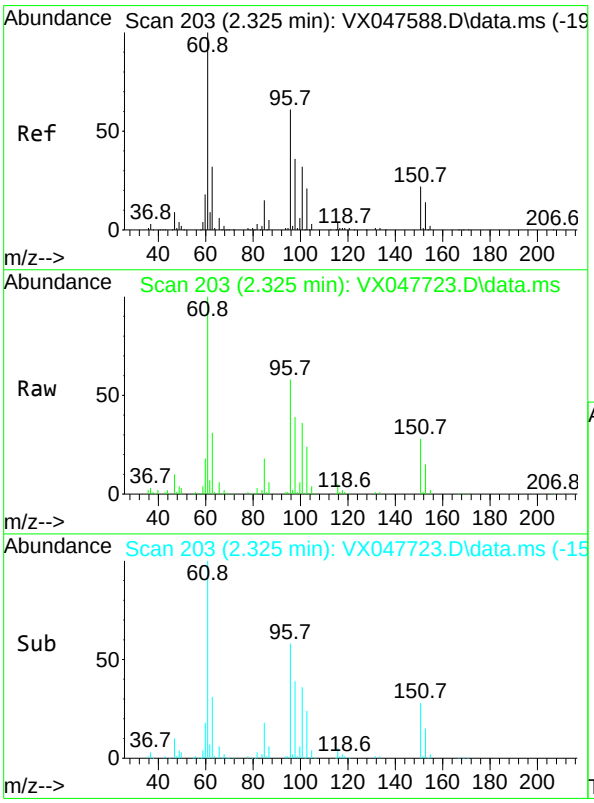
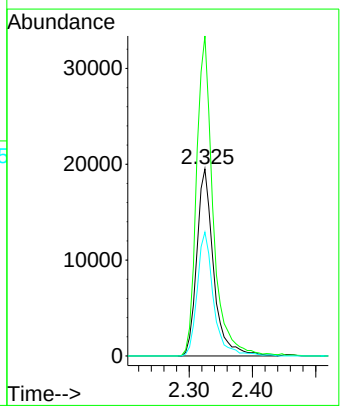
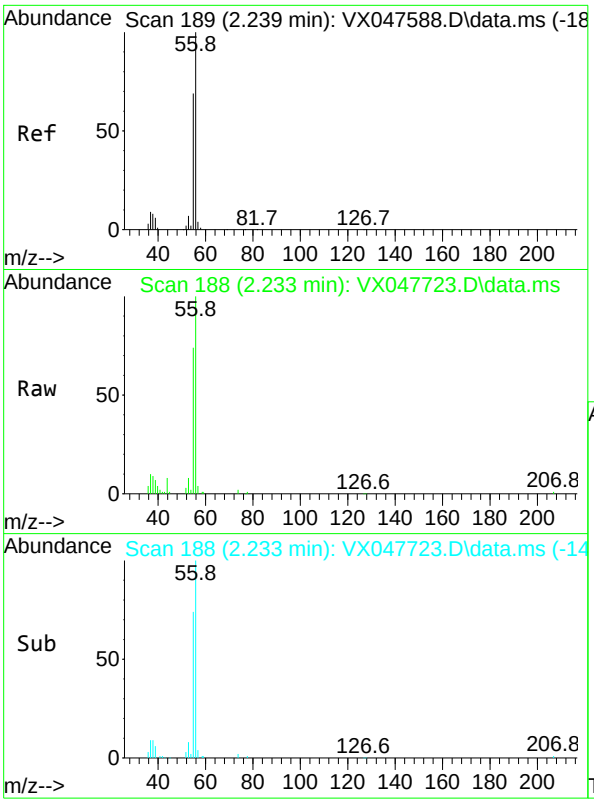



#12
1,1-Dichloroethene
Concen: 16.737 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 96 Resp: 36148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 131.0 | 196.6 |
| 98 | 66.2 | 47.7 | 71.5 |

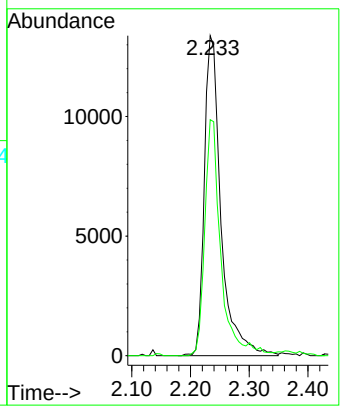





#13
Acrolein
Concen: 88.603 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 56 Resp: 2631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

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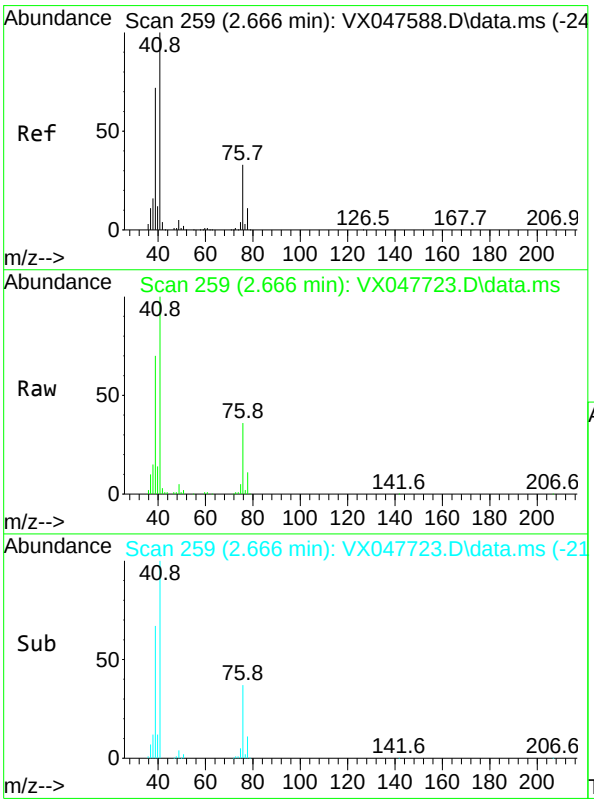
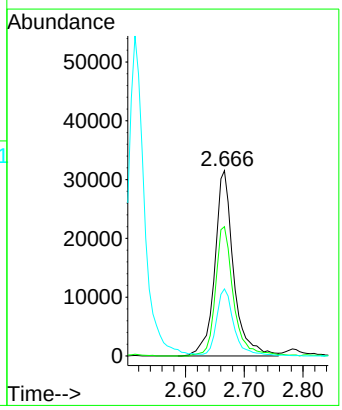
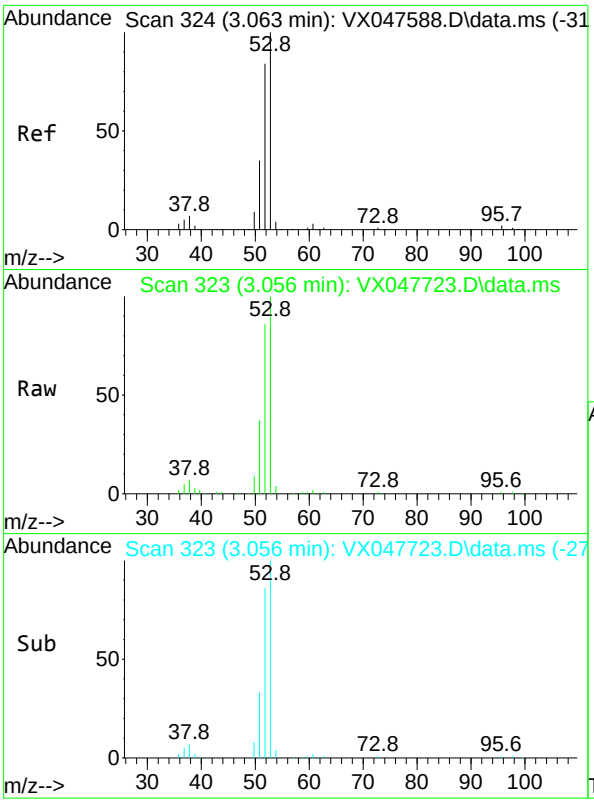



#14
Allyl chloride
Concen: 15.738 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 41 Resp: 70142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.1 | 54.7 | 82.1 |
| 76 | 33.8 | 25.7 | 38.5 |

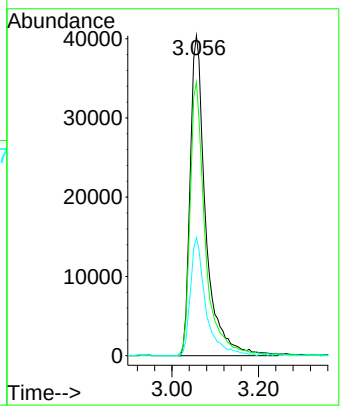





#15
Acrylonitrile
Concen: 84.401 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 53 Resp: 10075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 36.7 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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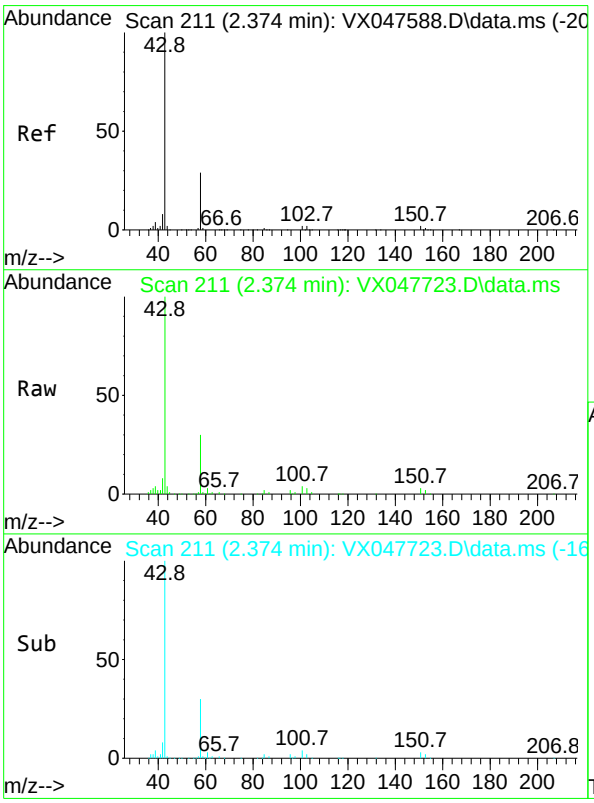
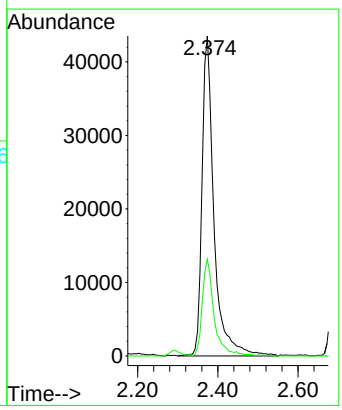
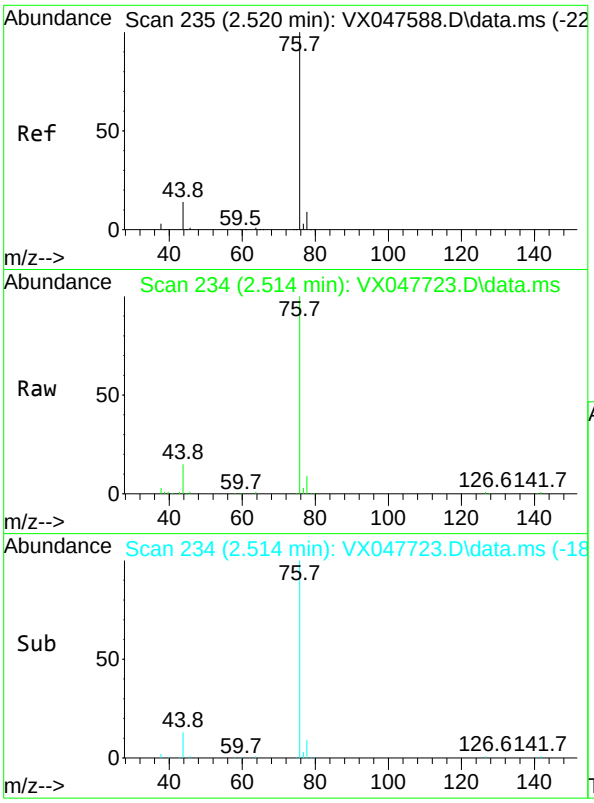



#16
Acetone
Concen: 71.706 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 90216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 23.4 | 35.0 |

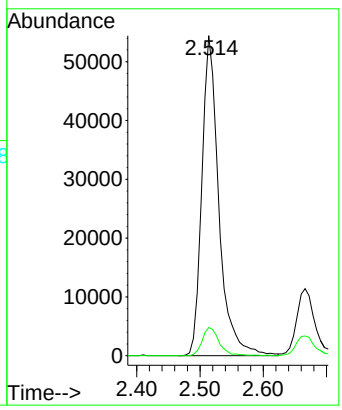





#17
Carbon Disulfide
Concen: 17.244 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 76 Resp: 10195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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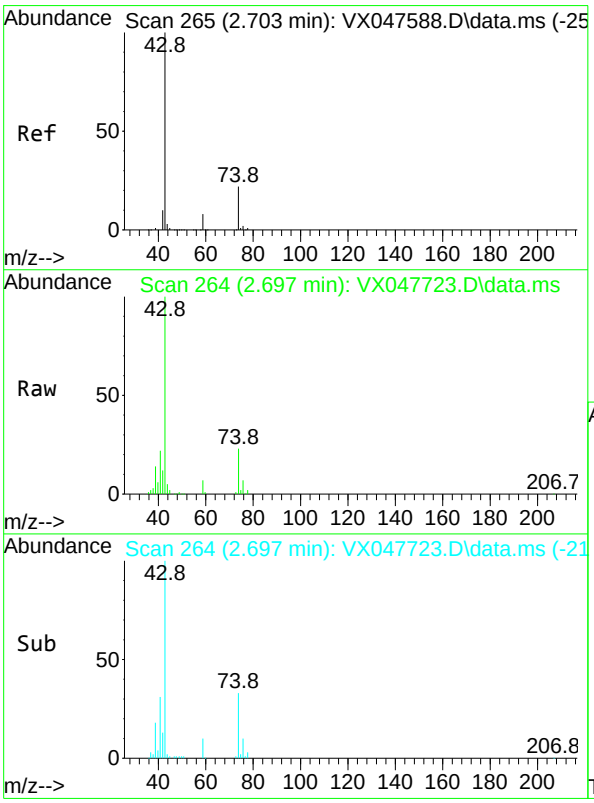
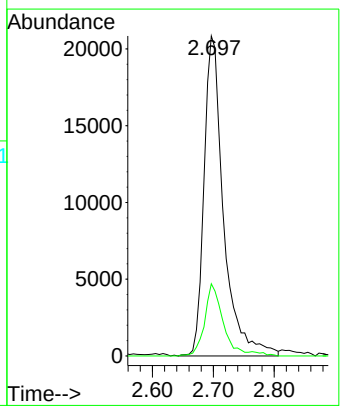
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

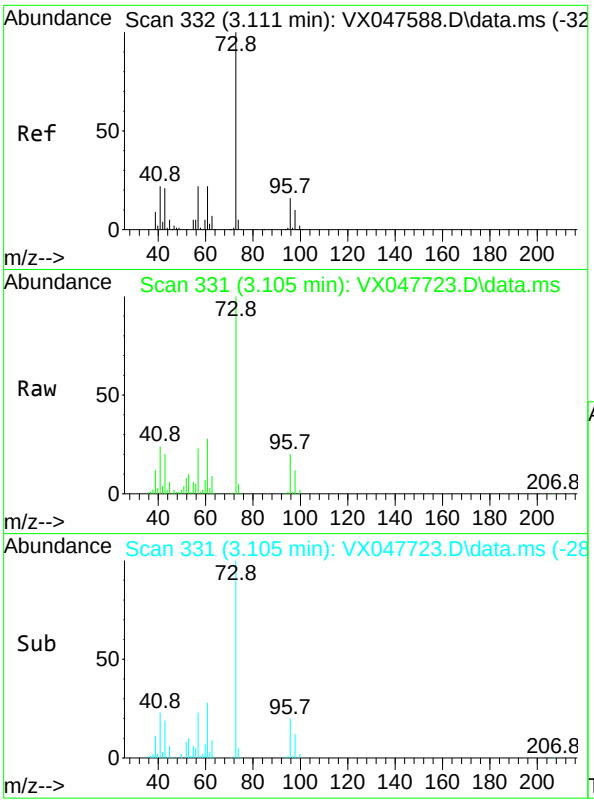



#18
Methyl Acetate
Concen: 16.621 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 46539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 17.4 | 26.2 |

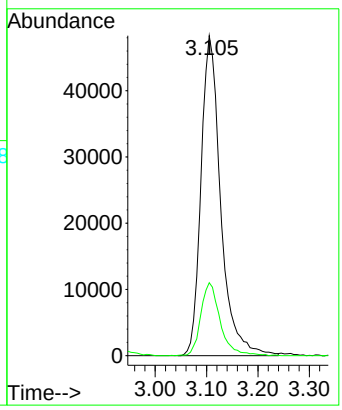





#19
Methyl tert-butyl Ether
Concen: 16.310 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 73 Resp: 12859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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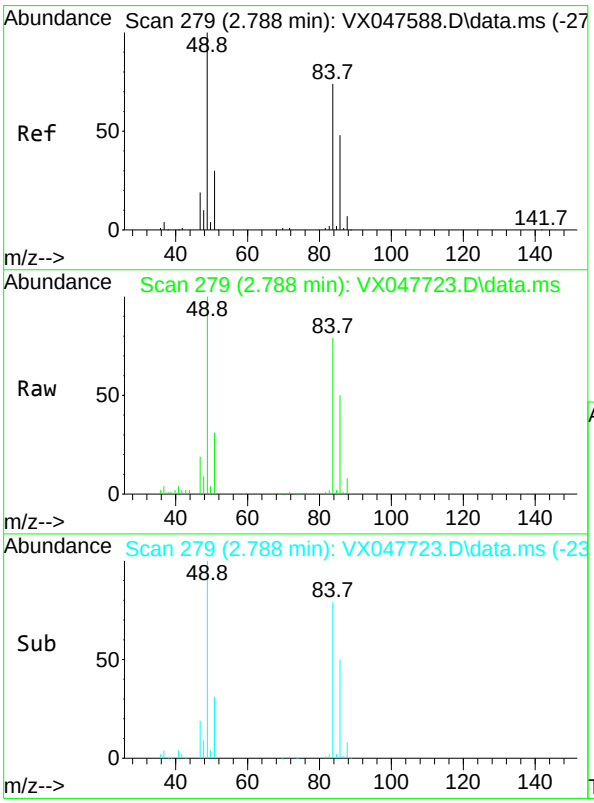
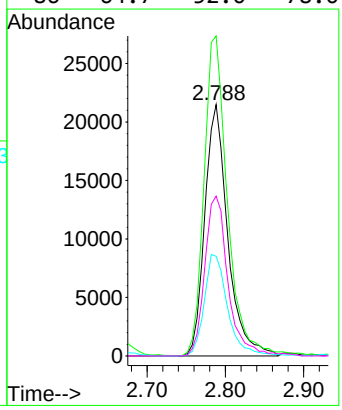
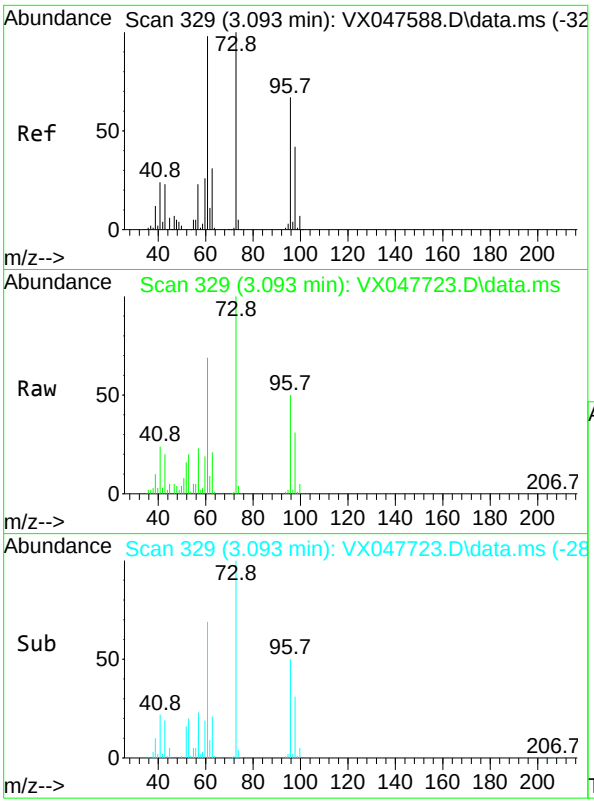



#20
Methylene Chloride
Concen: 16.413 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 84 Resp: 43710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.3 | 108.6 | 162.8 |
| 51 | 39.7 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |

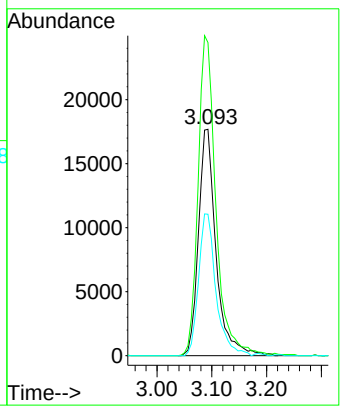





#21
trans-1,2-Dichloroethene
Concen: 16.950 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 96 Resp: 3941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.3 | 116.2 | 174.2 |
| 98 | 62.5 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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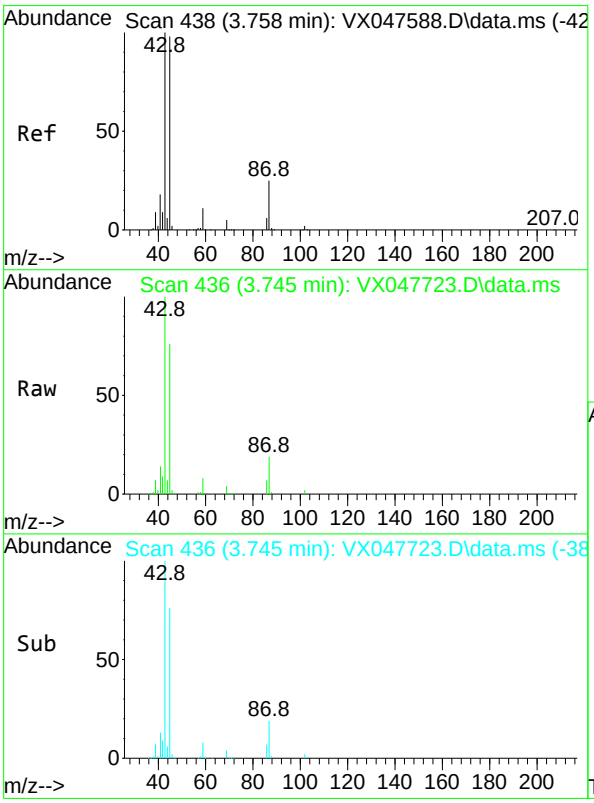
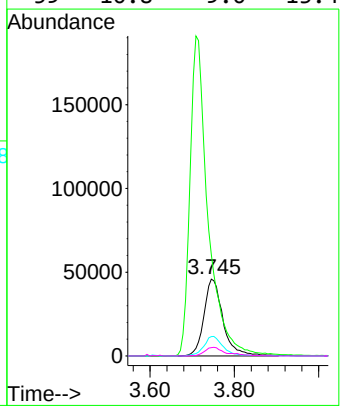
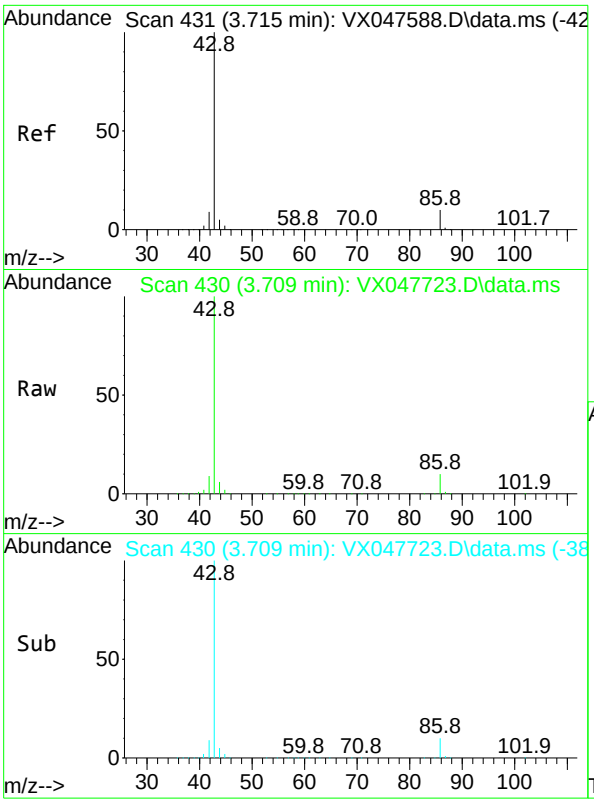



#22
Diisopropyl ether
Concen: 16.712 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 45 Resp: 144354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 130.4 | 81.0 | 121.4# |
| 87 | 25.2 | 20.3 | 30.5 |
| 59 | 10.8 | 9.0 | 13.4 |

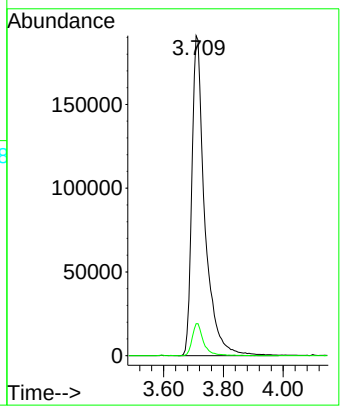





#23
Vinyl Acetate
Concen: 83.195 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 57512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |




**Instrument :**
MSVOA_X
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VX0923WBS02

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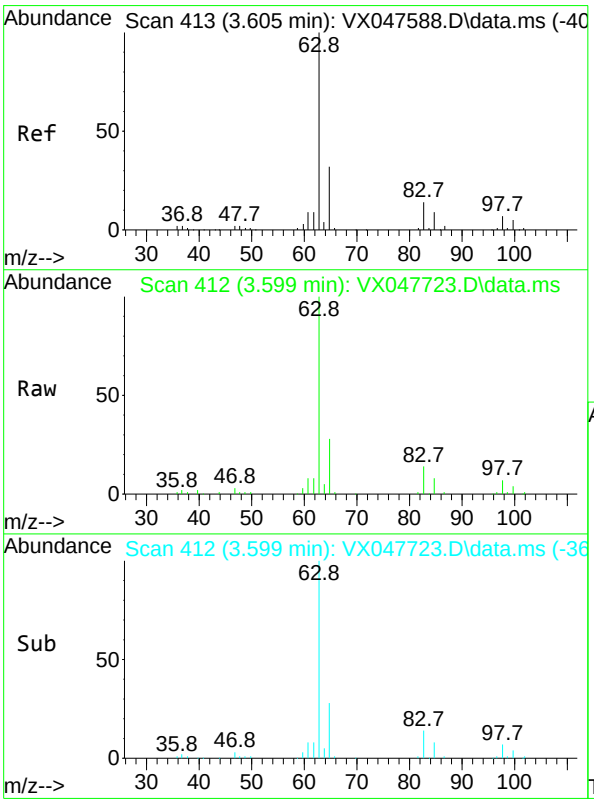
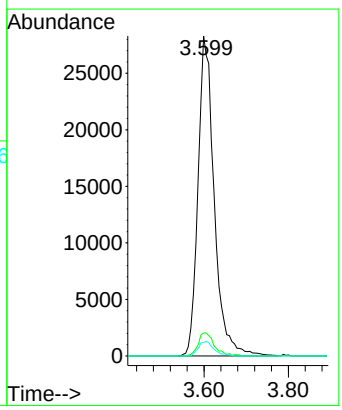
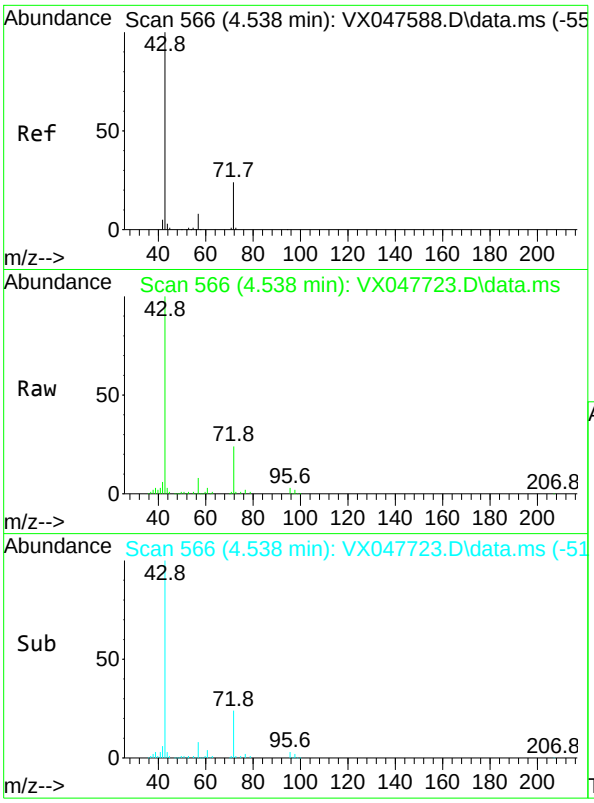



#24
1,1-Dichloroethane
Concen: 16.495 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 63 Resp: 75728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 3.8 | 11.2 |
| 100 | 4.2 | 2.3 | 6.9 |






#25
2-Butanone
Concen: 78.705 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 12351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.1 | 30.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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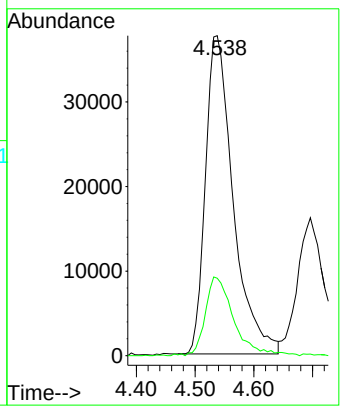
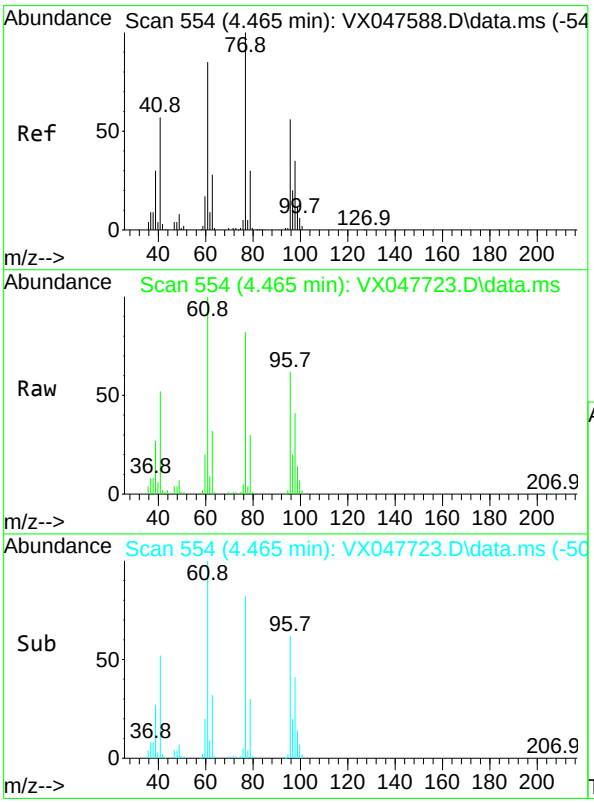
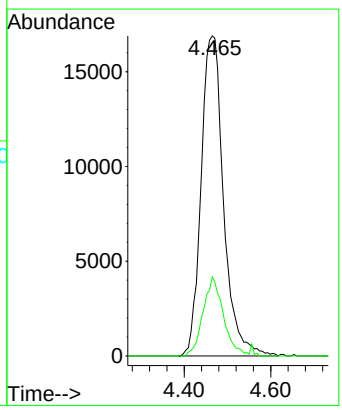


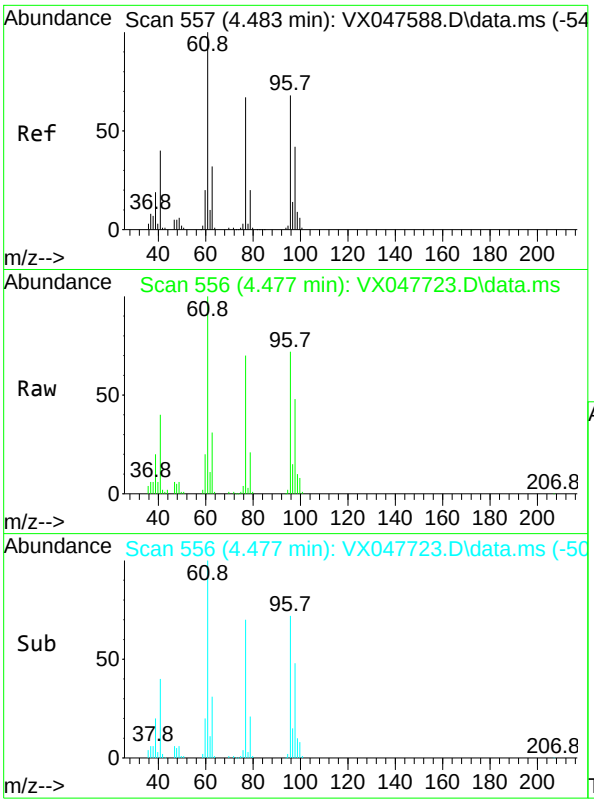




#26
2,2-Dichloropropane
Concen: 15.910 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 77 Resp: 60715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |

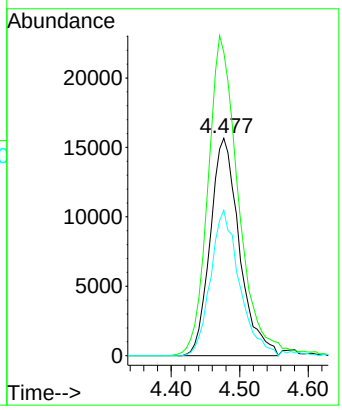





#27
cis-1,2-Dichloroethene
Concen: 16.177 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 96 Resp: 4606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.1 | 0.0 | 303.2 |
| 98 | 66.4 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
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VX0923WBS02

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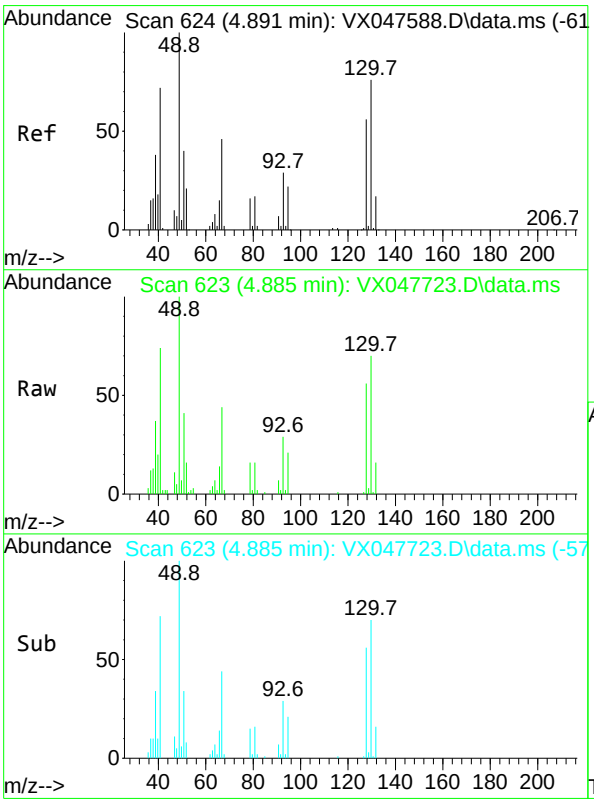
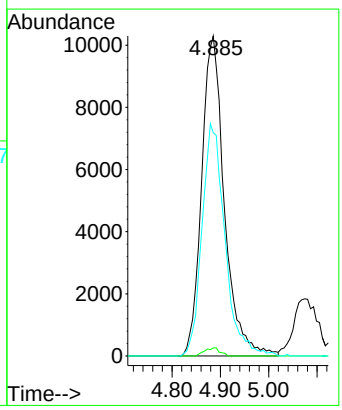
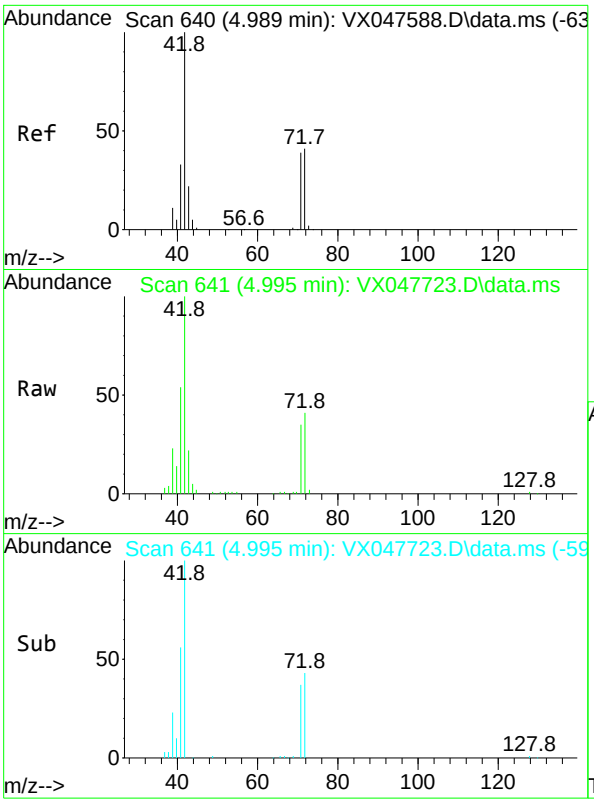



#28
Bromochloromethane
Concen: 16.807 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 49 Resp: 33685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.2 |
| 130 | 73.4 | 57.8 | 86.8 |

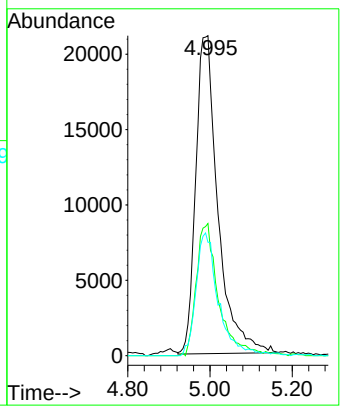





#29
Tetrahydrofuran
Concen: 83.826 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 42 Resp: 7914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 34.2 | 51.2 |
| 71 | 38.8 | 31.9 | 47.9 |




**Instrument :**
MSVOA_X
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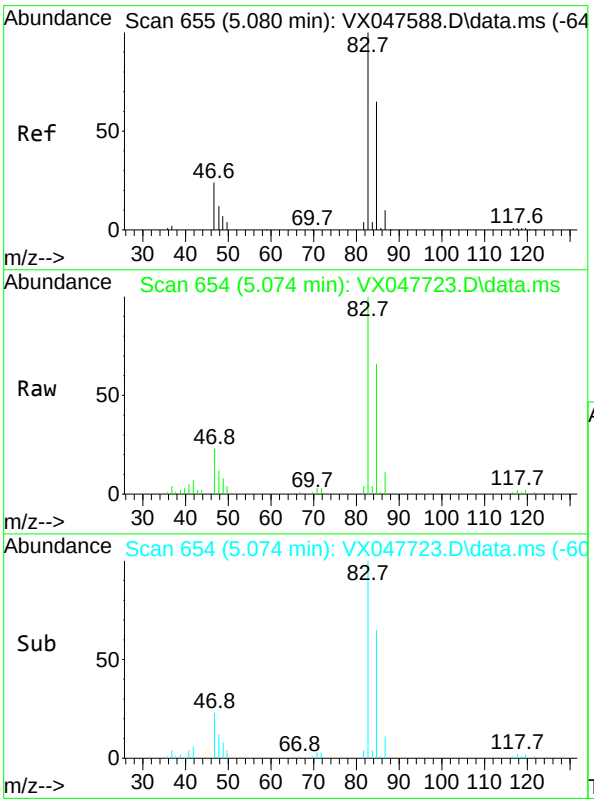
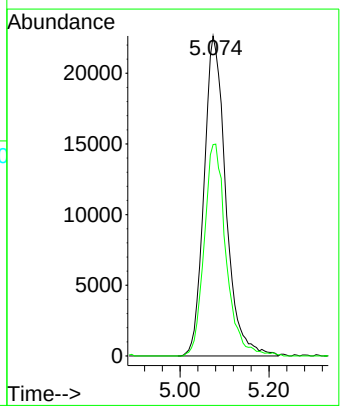
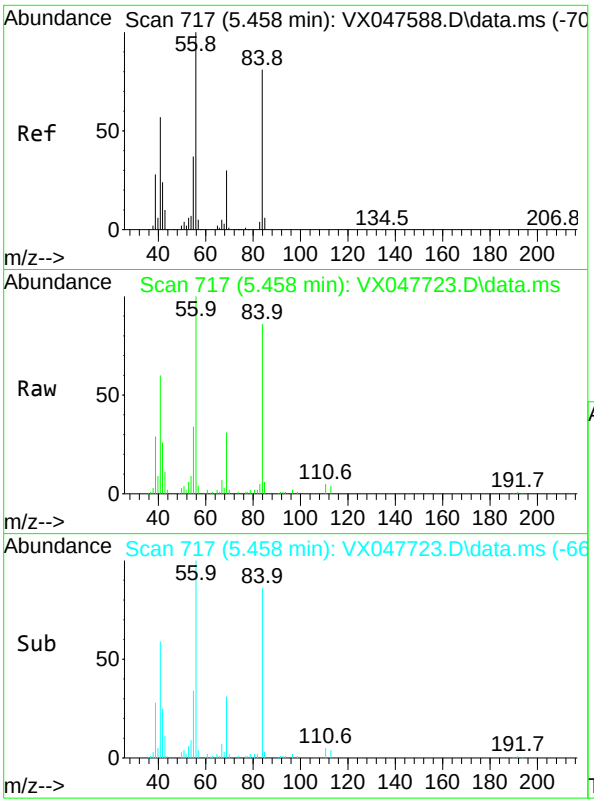



#30
Chloroform
Concen: 16.618 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 83 Resp: 77095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.8 | 77.6 |

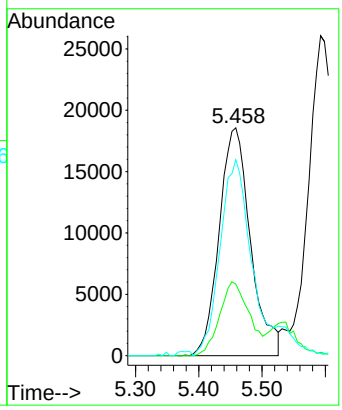





#31
Cyclohexane
Concen: 16.688 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 56 Resp: 6380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 23.8 | 35.8 |
| 84 | 84.5 | 64.6 | 97.0 |

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VX0923WBS02

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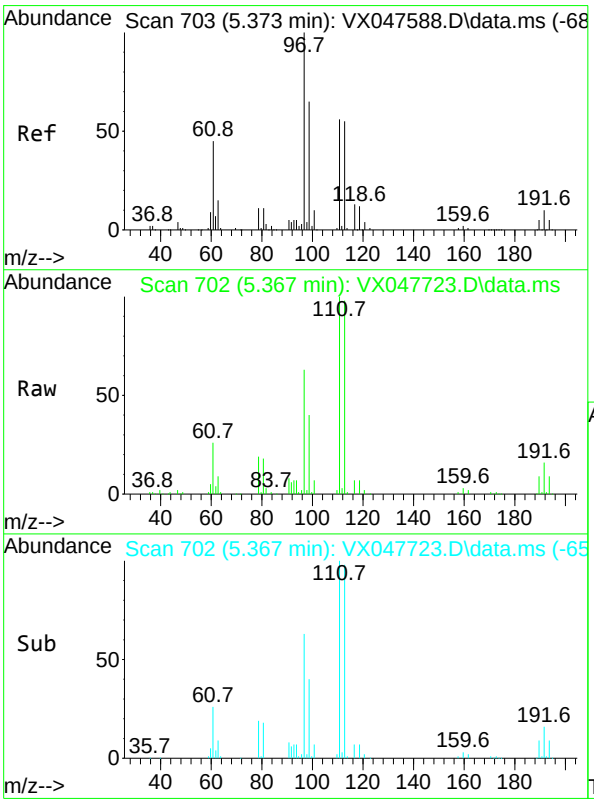
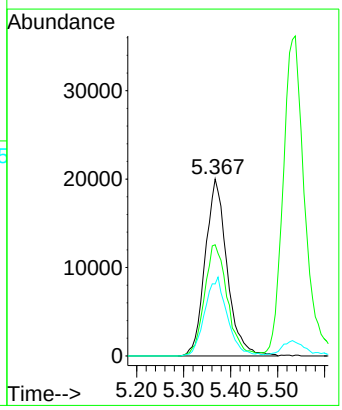
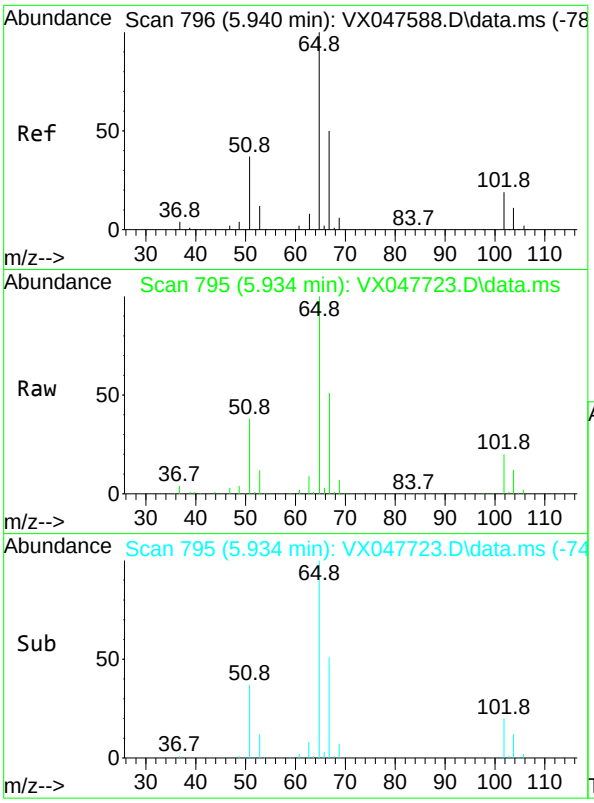



#32
1,1,1-Trichloroethane
Concen: 16.421 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 97 Resp: 64618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.8 | 50.6 | 76.0 |
| 61 | 45.9 | 35.8 | 53.8 |






#33
1,2-Dichloroethane-d4
Concen: 44.983 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 65 Resp: 13016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 103.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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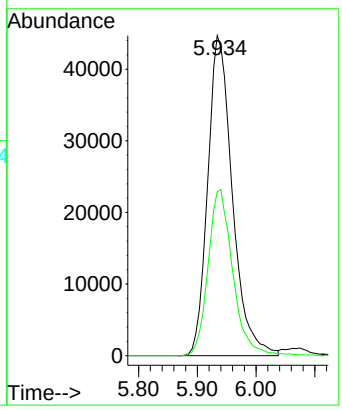
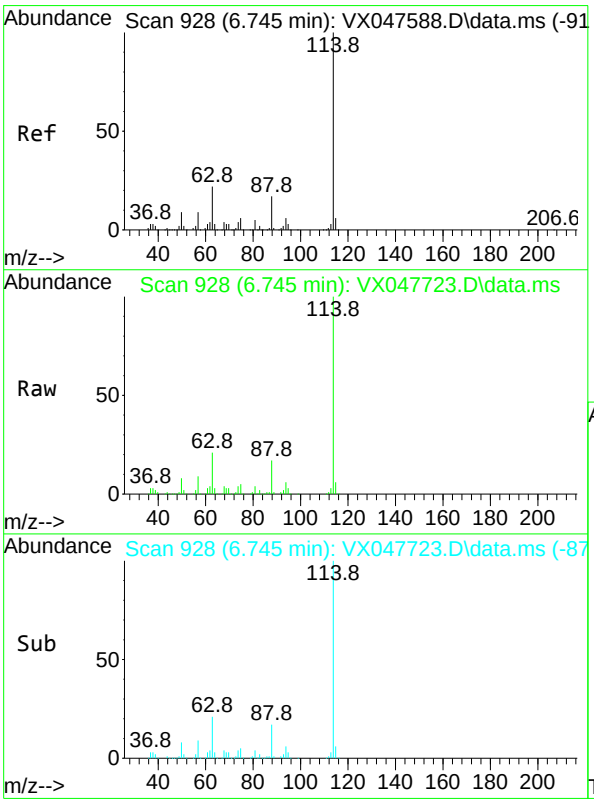
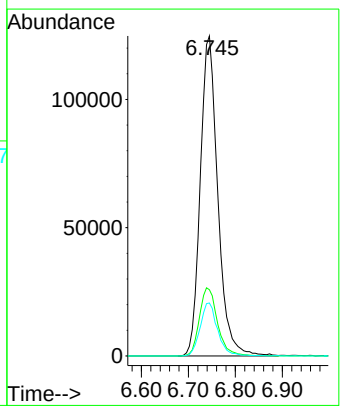


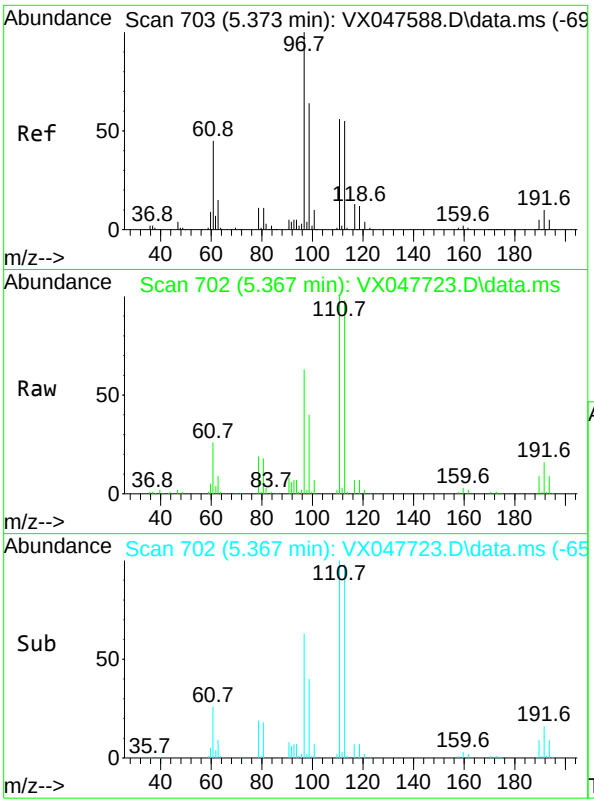




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:114 Resp: 322664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |

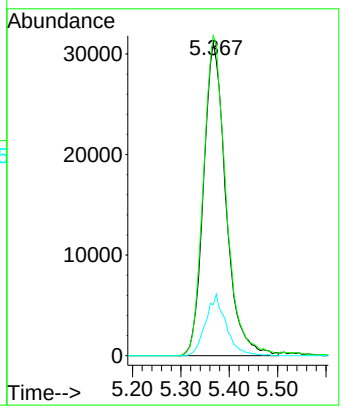





#35
Dibromofluoromethane
Concen: 46.149 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:113 Resp: 9986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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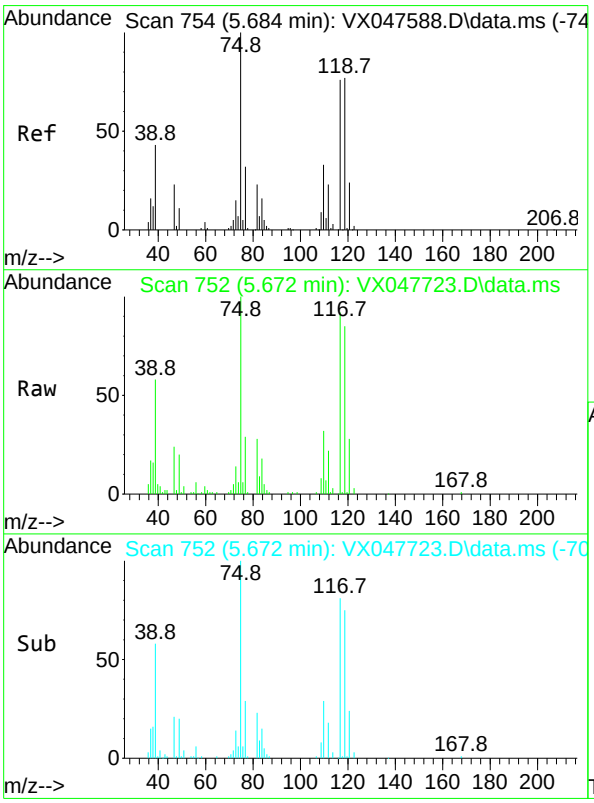
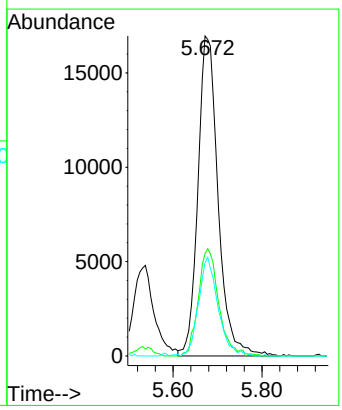
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

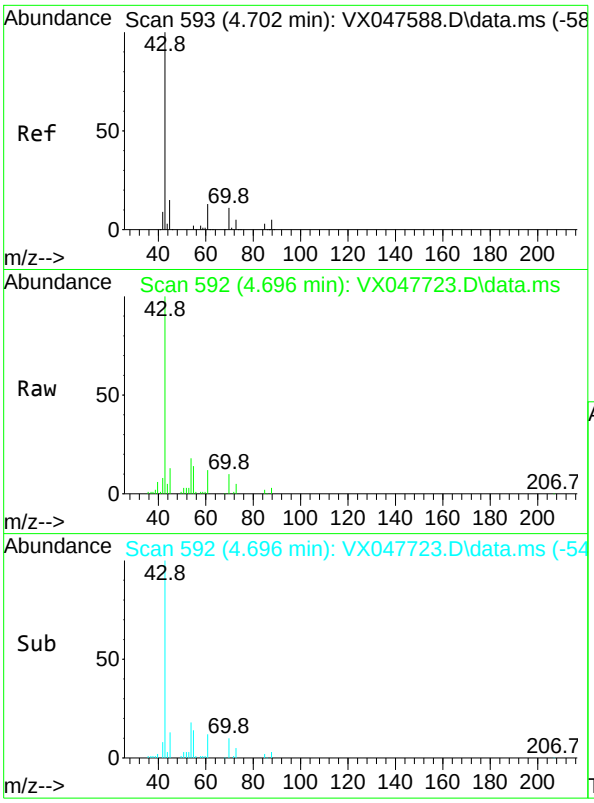



#36
1,1-Dichloropropene
Concen: 16.949 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 53594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 16.7 | 50.1 |
| 77 | 29.8 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 15.743 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 5330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.8 | 14.8 |
| 70 | 10.0 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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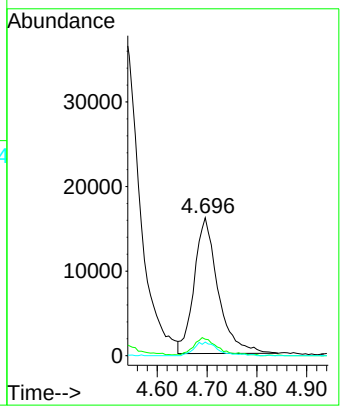
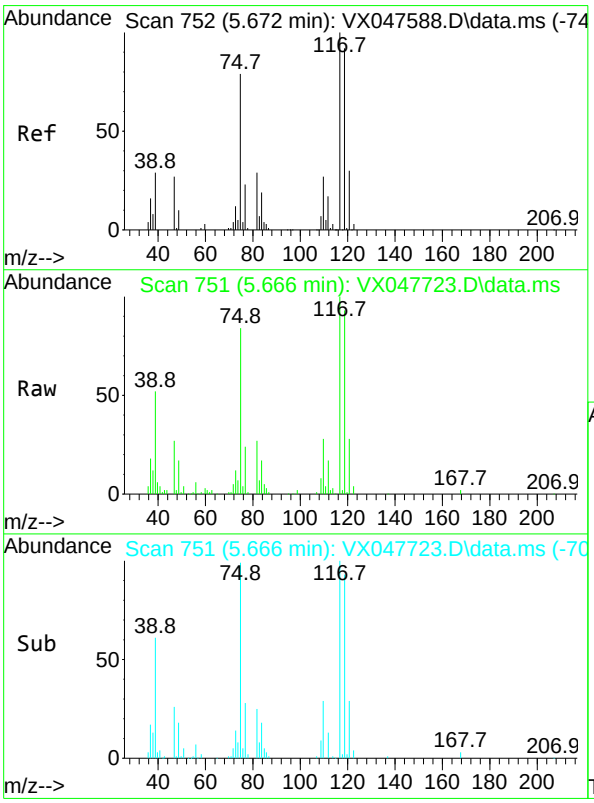
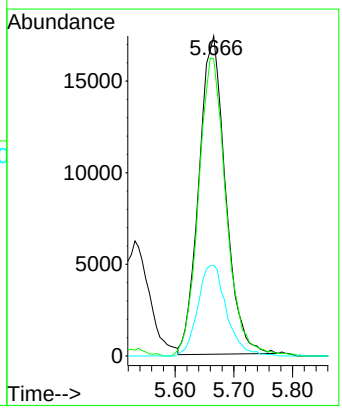


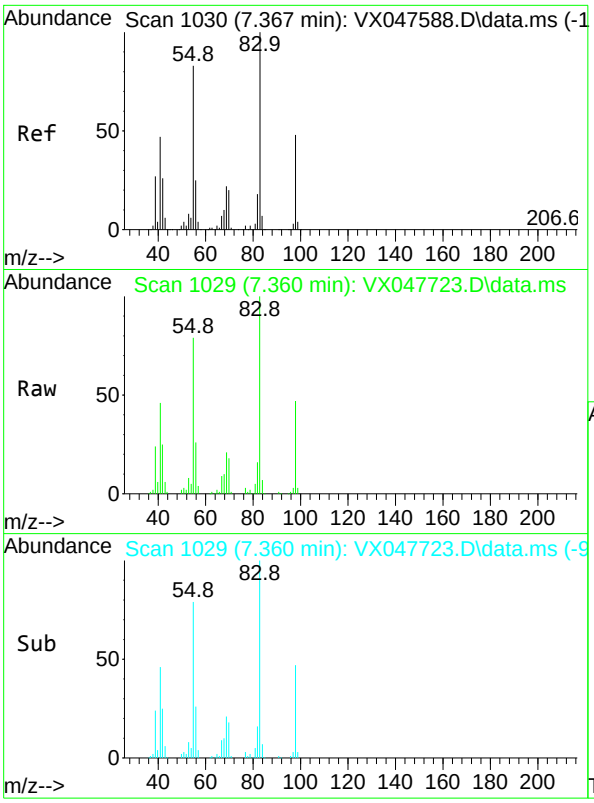




#38
Carbon Tetrachloride
Concen: 15.922 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:117 Resp: 54702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.9 | 73.4 | 110.2 |
| 121 | 28.6 | 23.8 | 35.6 |

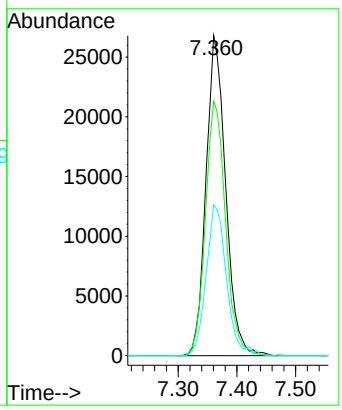





#39
Methylcyclohexane
Concen: 17.344 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 83 Resp: 6225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.4 | 66.4 | 99.6 |
| 98 | 47.1 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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Reviewed By :John Carlone 09/24/2025
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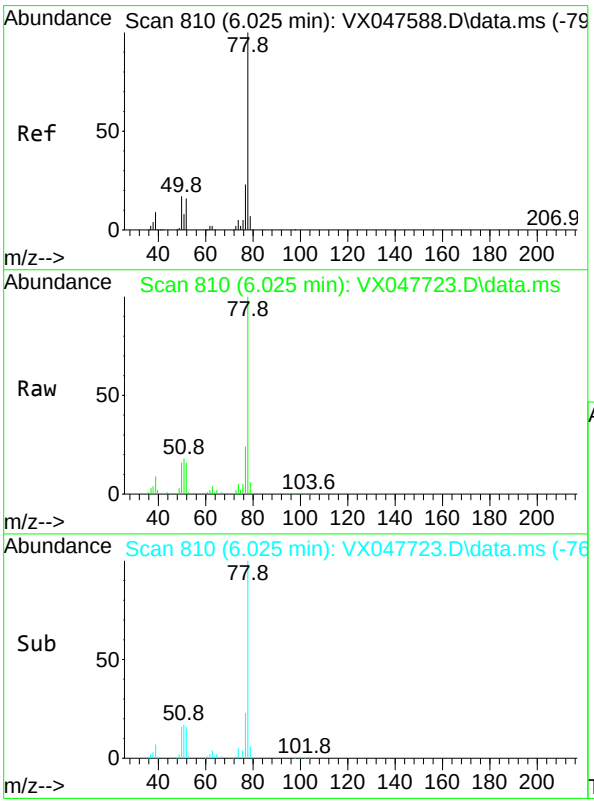
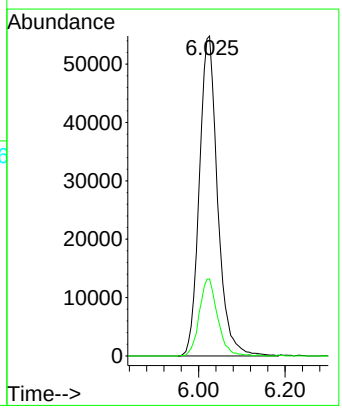
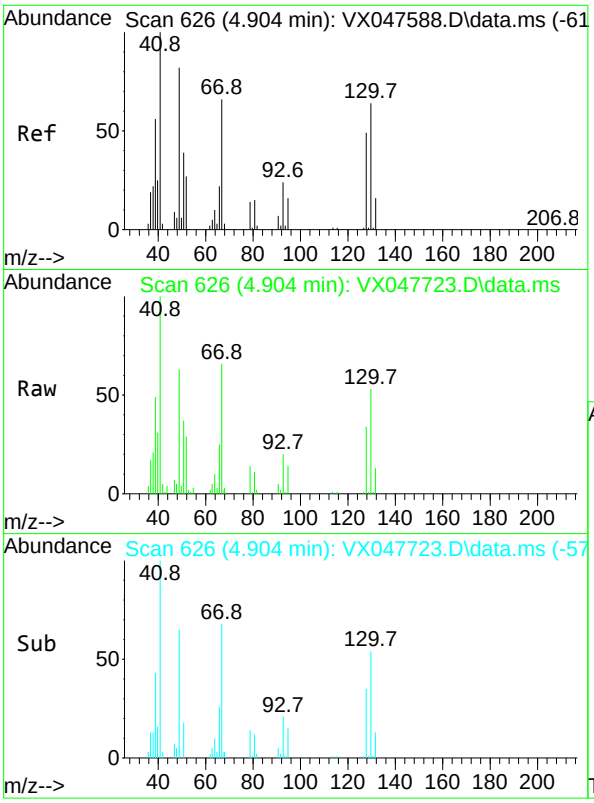



#40
Benzene
Concen: 16.697 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 78 Resp: 160358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |

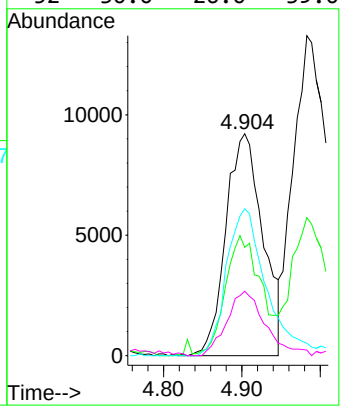





#41
Methacrylonitrile
Concen: 17.365 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 41 Resp: 3035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 50.0 | 43.3 | 64.9 |
| 67 | 70.6 | 58.6 | 87.8 |
| 52 | 30.0 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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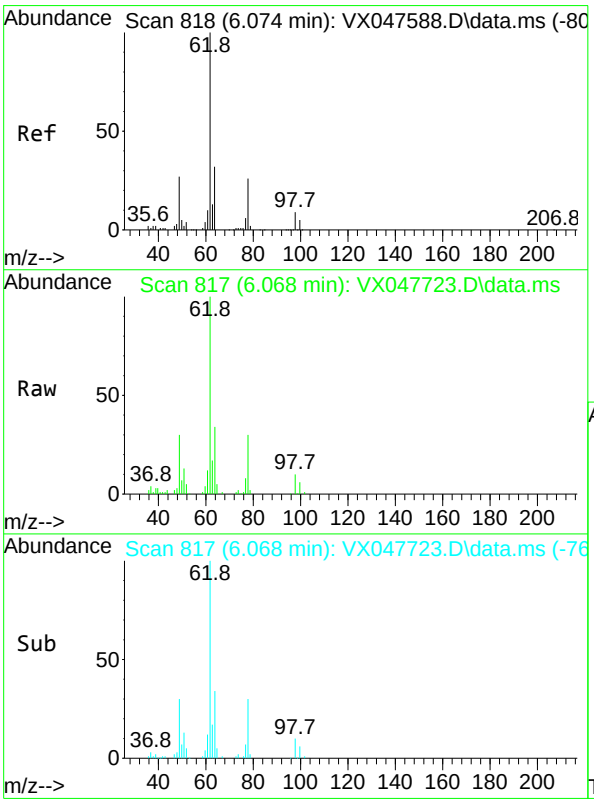
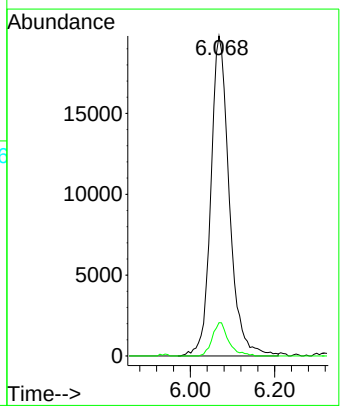
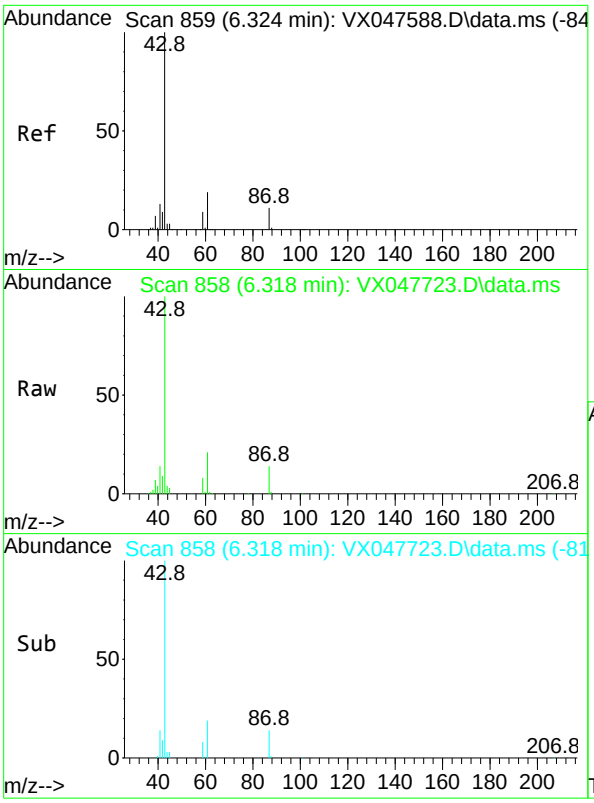



#42
1,2-Dichloroethane
Concen: 16.455 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 62 Resp: 60128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.0 |

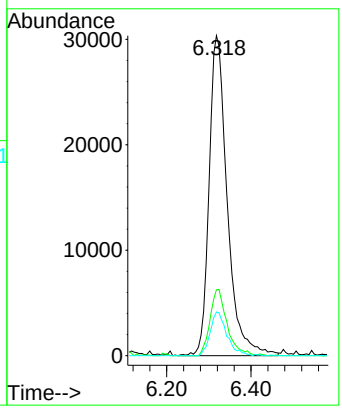





#43
Isopropyl Acetate
Concen: 16.367 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 9088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.5 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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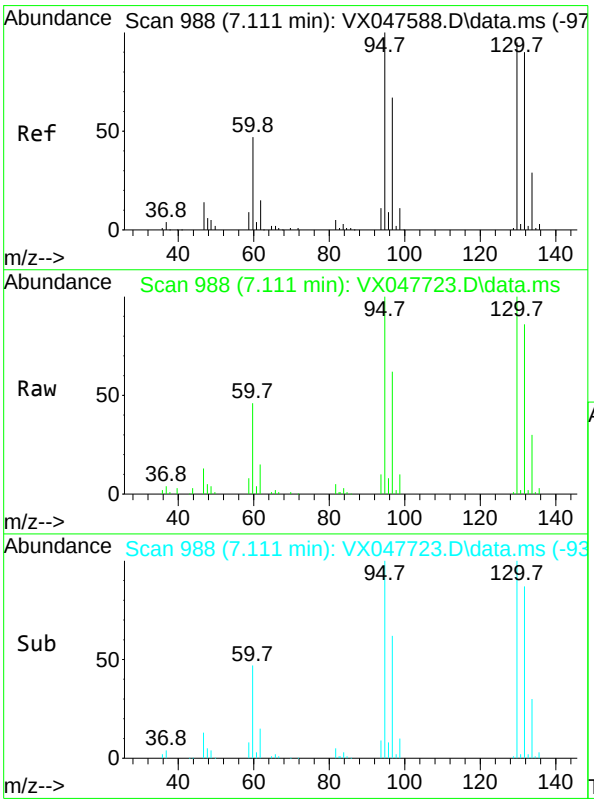
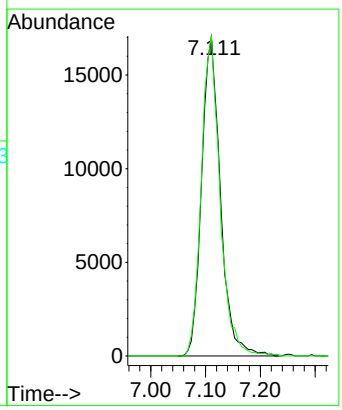
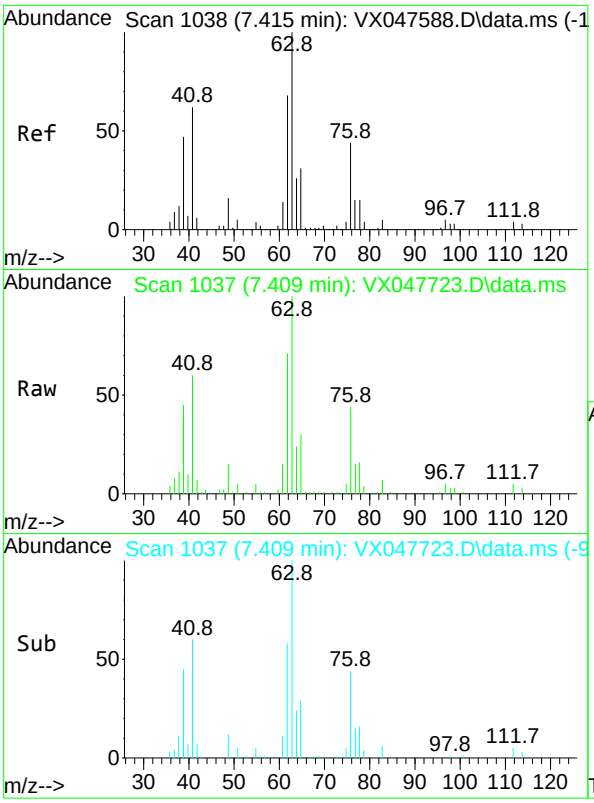



#44
Trichloroethene
Concen: 17.464 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:130 Resp: 40550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 210.8 |

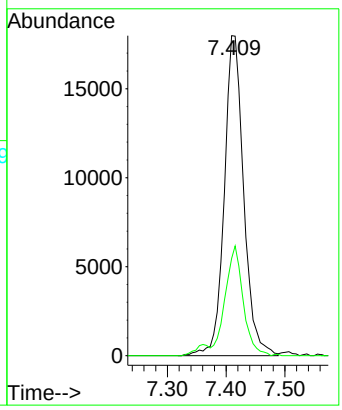





#45
1,2-Dichloropropane
Concen: 16.811 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 63 Resp: 4134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.4 | 24.7 | 37.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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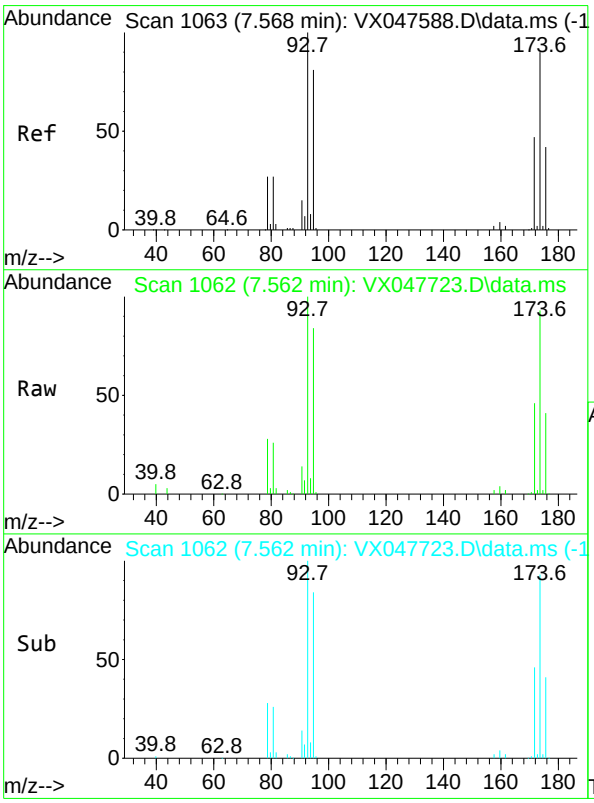
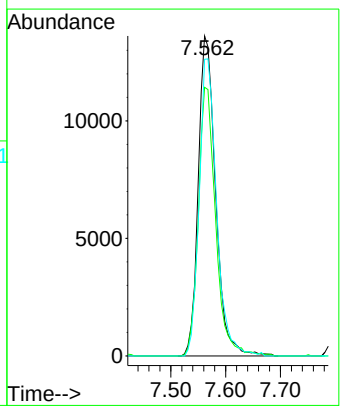
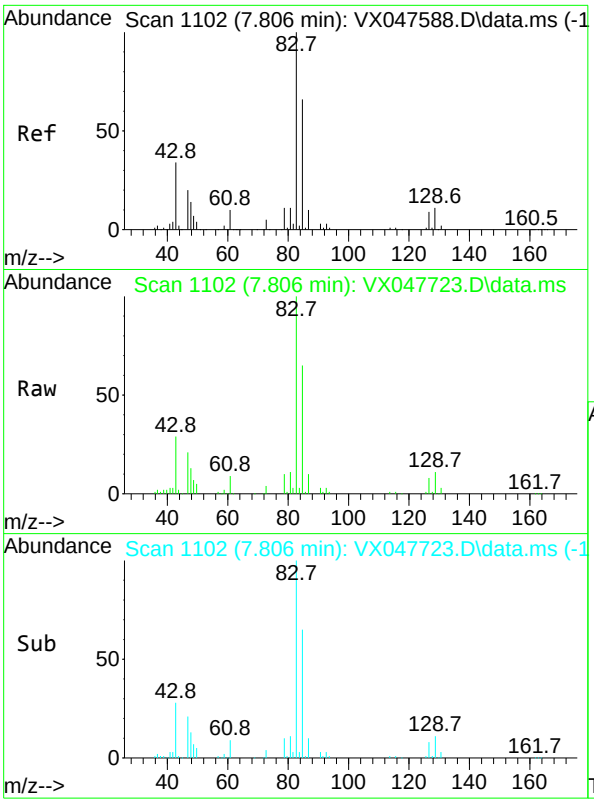



#46
Dibromomethane
Concen: 16.746 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 93 Resp: 29969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 65.0 | 97.6 |
| 174 | 93.4 | 71.6 | 107.4 |

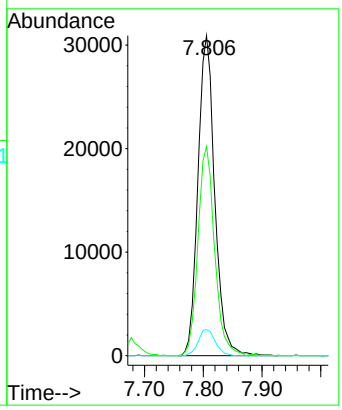





#47
Bromodichloromethane
Concen: 16.577 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 83 Resp: 6121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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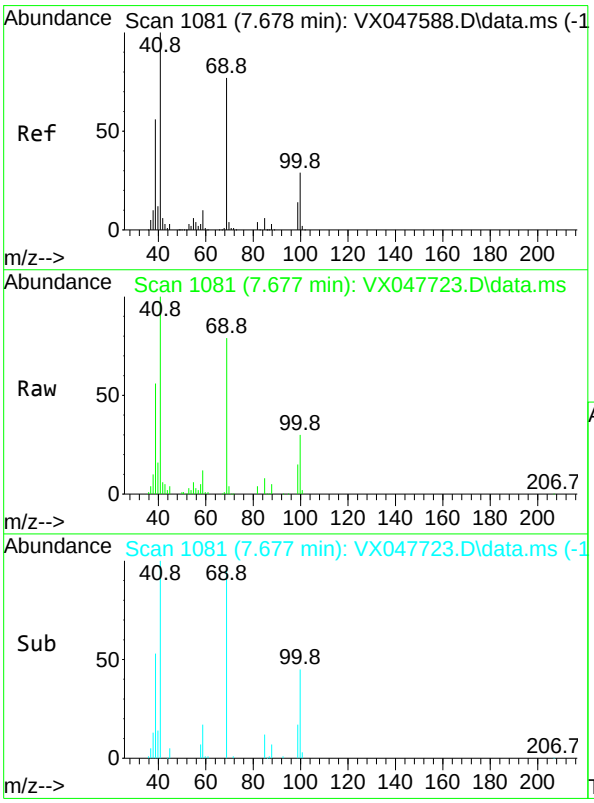
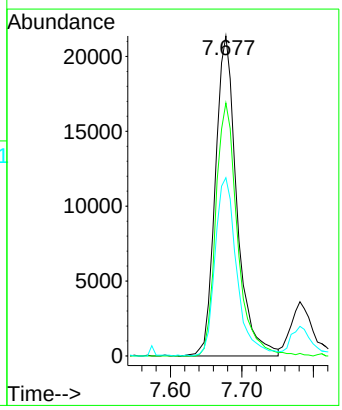
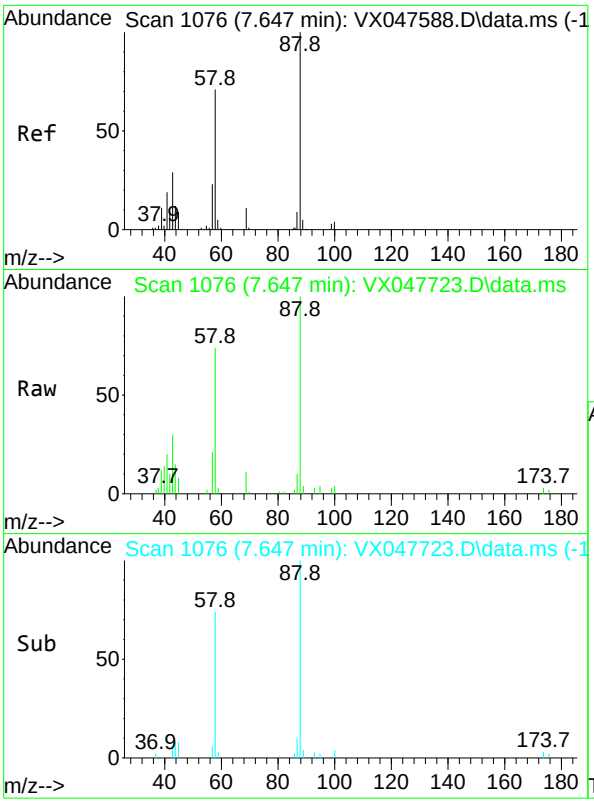



#48
Methyl methacrylate
Concen: 16.166 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 41 Resp: 44713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.6 | 61.4 | 92.2 |
| 39 | 56.3 | 45.8 | 68.6 |

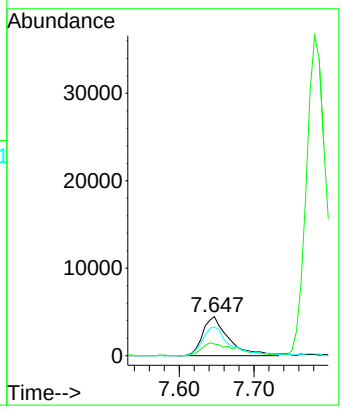





#49
1,4-Dioxane
Concen: 382.549 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 88 Resp: 1069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.0 | 30.2 | 45.2 |
| 58 | 76.6 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
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VX0923WBS02

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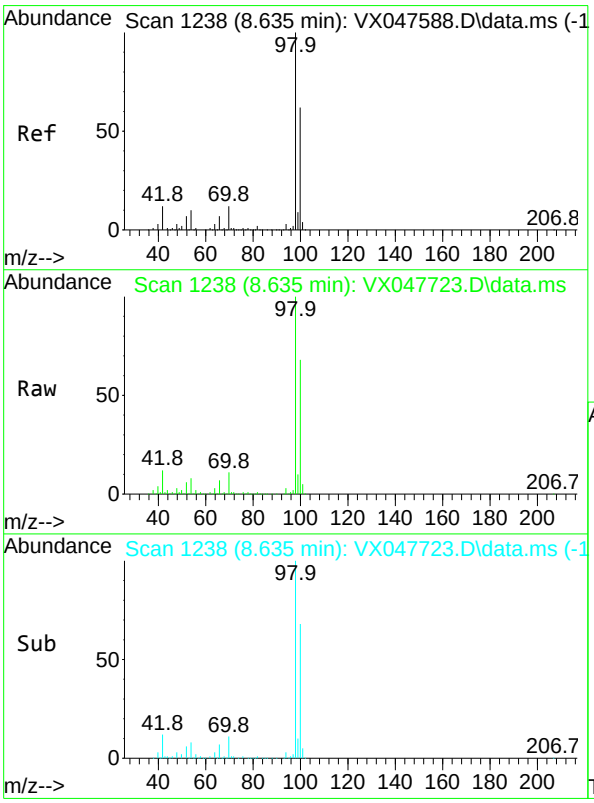
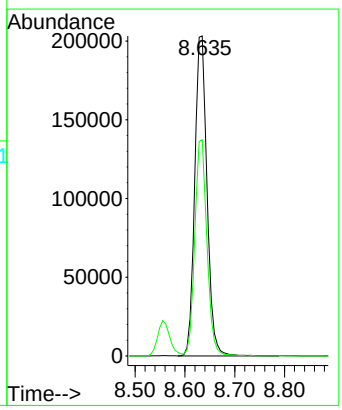
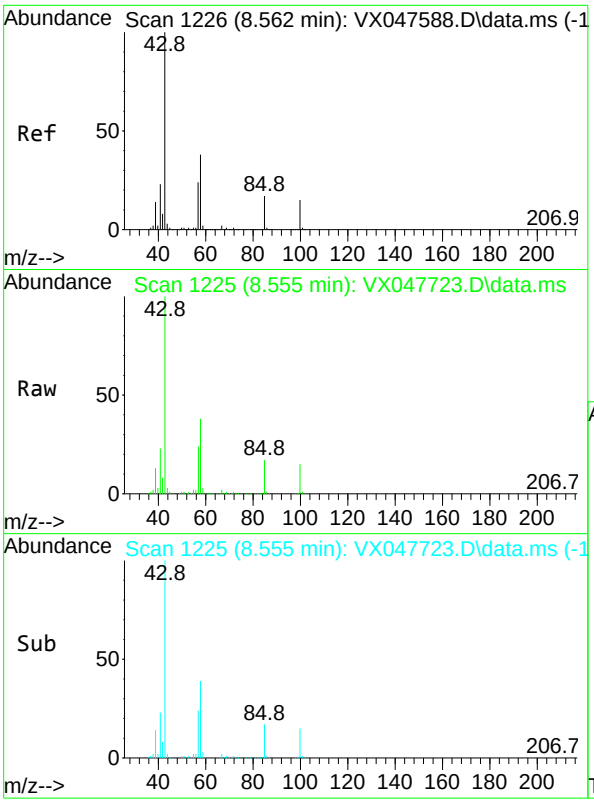



#50
Toluene-d8
Concen: 46.366 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 98 Resp: 347178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.0 | 53.0 | 79.4 |

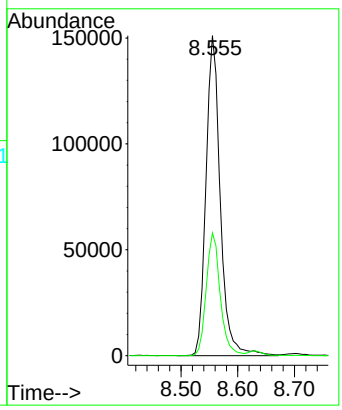





#51
4-Methyl-2-Pentanone
Concen: 85.968 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 26466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

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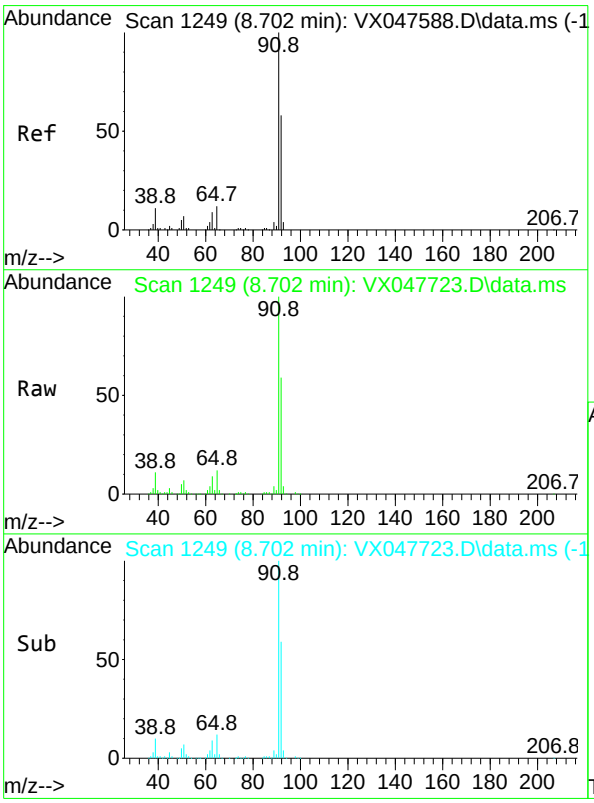
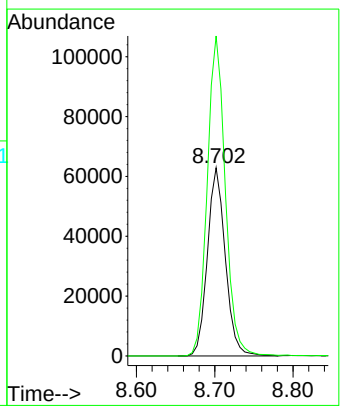
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

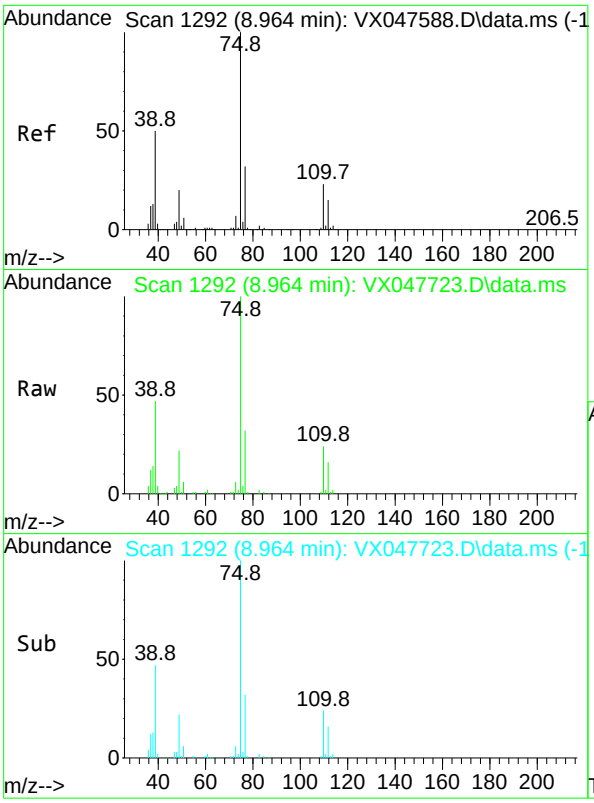



#52
Toluene
Concen: 16.863 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 92 Resp: 99779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.1 | 205.7 |

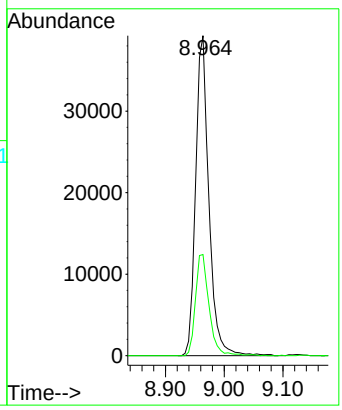





#53
t-1,3-Dichloropropene
Concen: 16.298 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 6139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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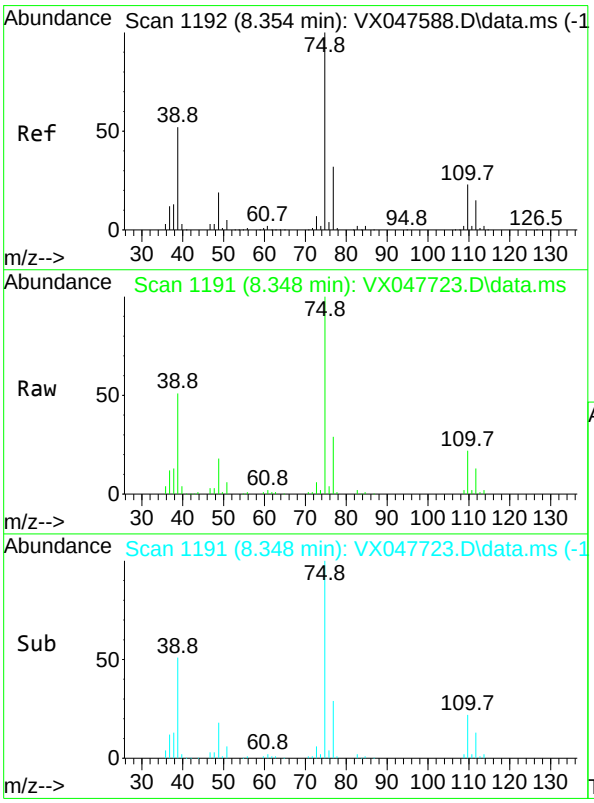
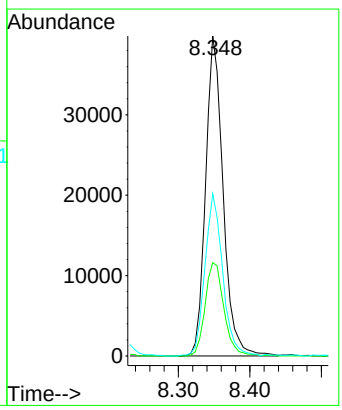
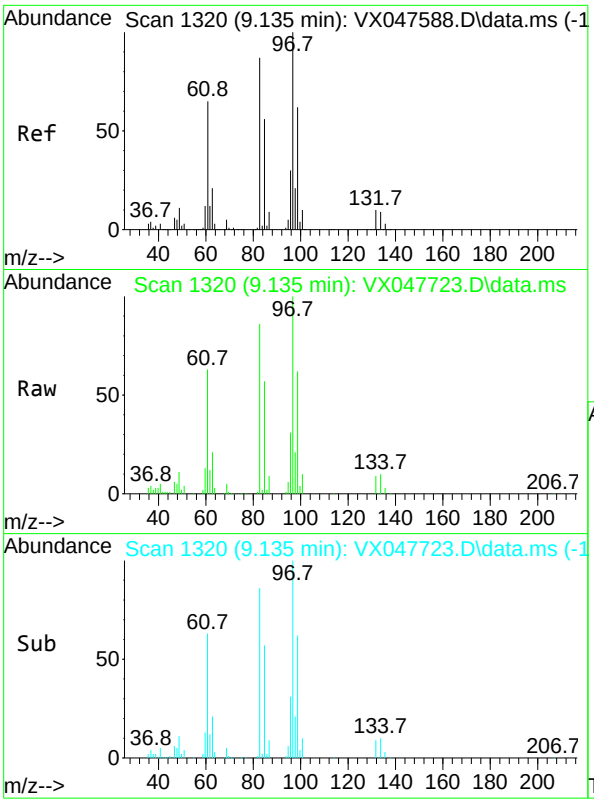



#54
cis-1,3-Dichloropropene
Concen: 16.810 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 67677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.1 | 25.8 | 38.6 |
| 39 | 50.6 | 41.4 | 62.2 |

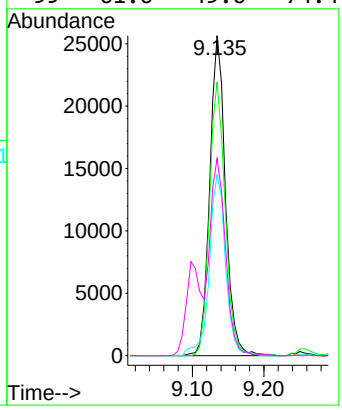





#55
1,1,2-Trichloroethane
Concen: 17.151 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 97 Resp: 3913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.6 | 104.4 |
| 85 | 56.5 | 45.0 | 67.6 |
| 99 | 61.6 | 49.6 | 74.4 |




**Instrument :**
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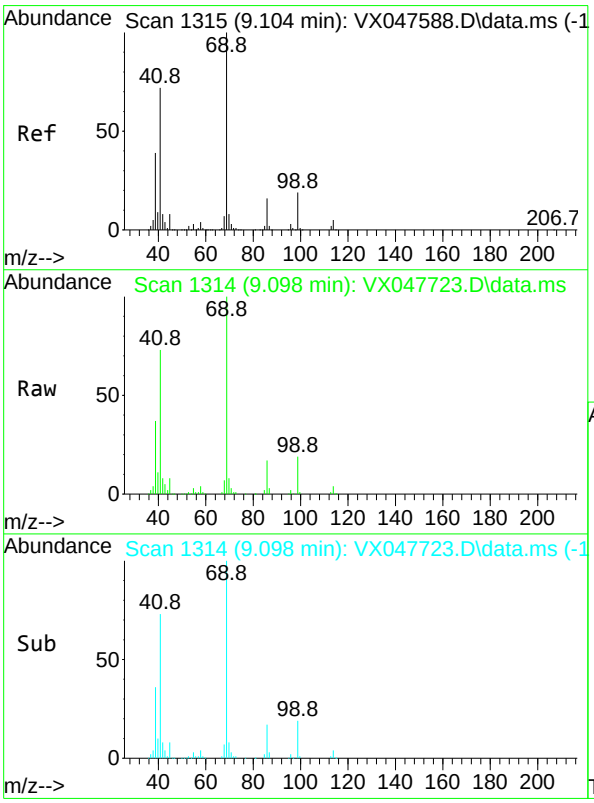
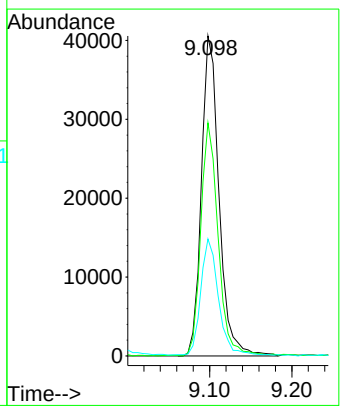
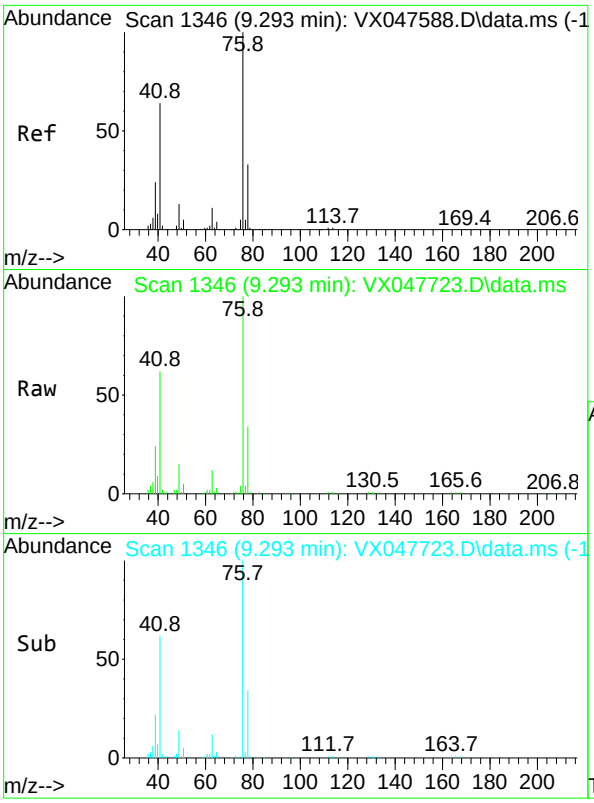



#56
Ethyl methacrylate
Concen: 16.859 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 69 Resp: 60408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.2 | 58.6 | 87.8 |
| 39 | 37.8 | 31.5 | 47.3 |

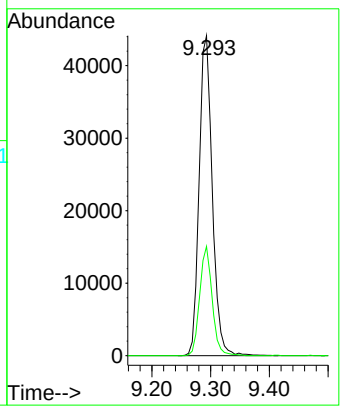





#57
1,3-Dichloropropane
Concen: 17.525 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 76 Resp: 6868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.2 | 39.4 |

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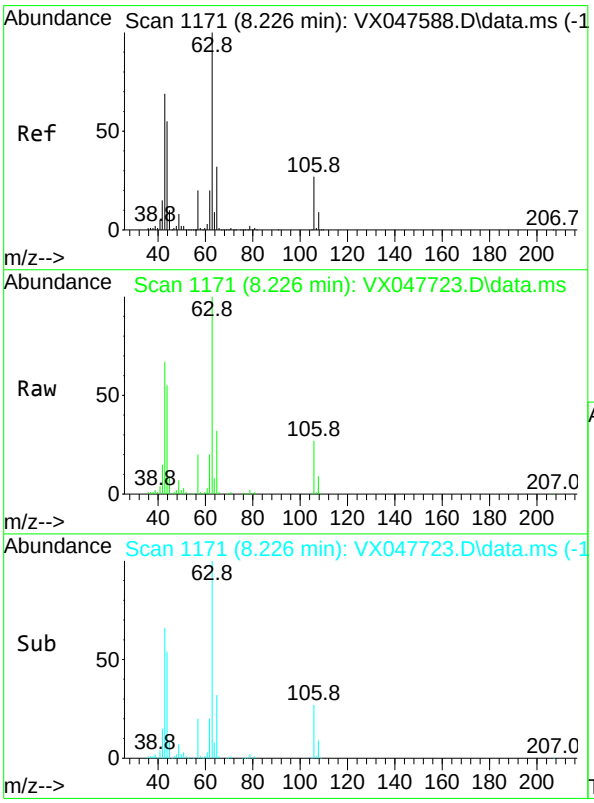
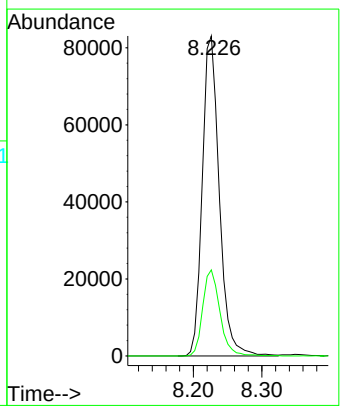
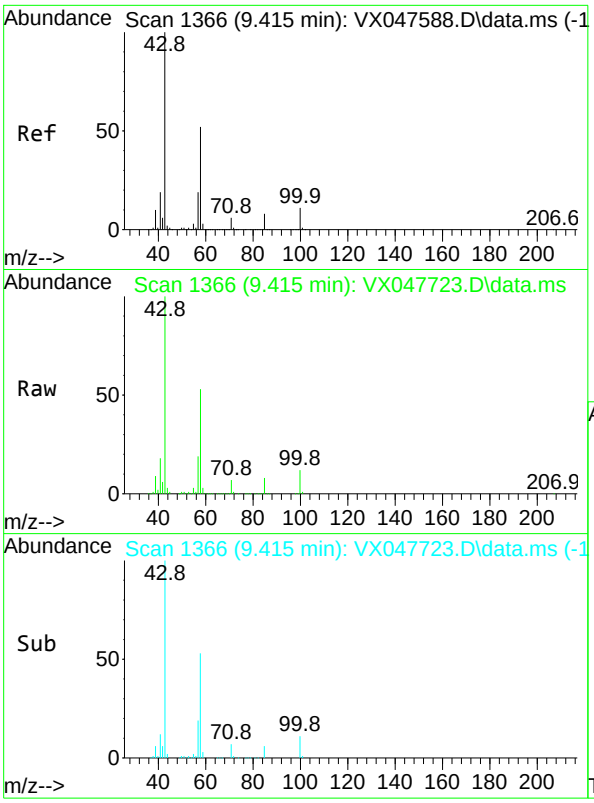



#58
2-Chloroethyl Vinyl ether
Concen: 91.195 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 63 Resp: 143660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 83.000 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 18352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
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VX0923WBS02

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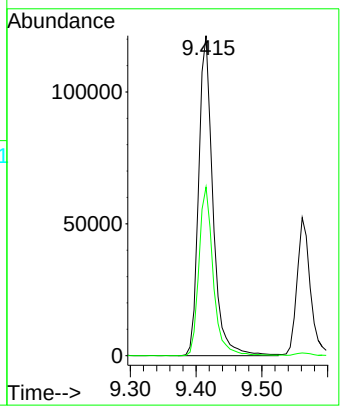
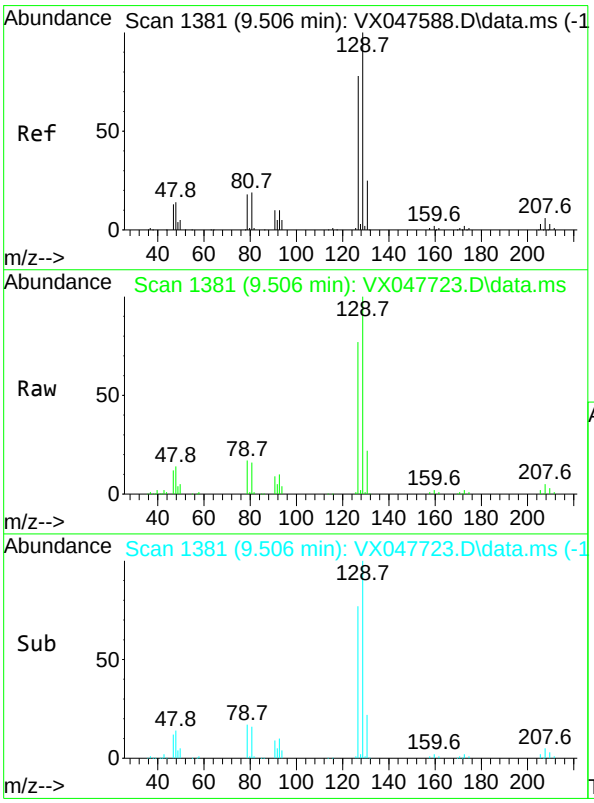
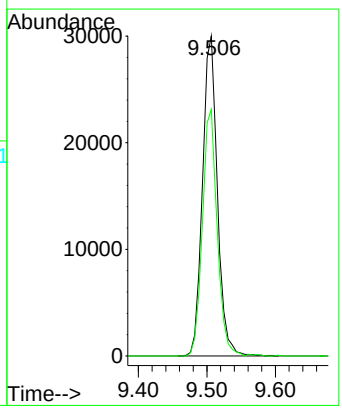


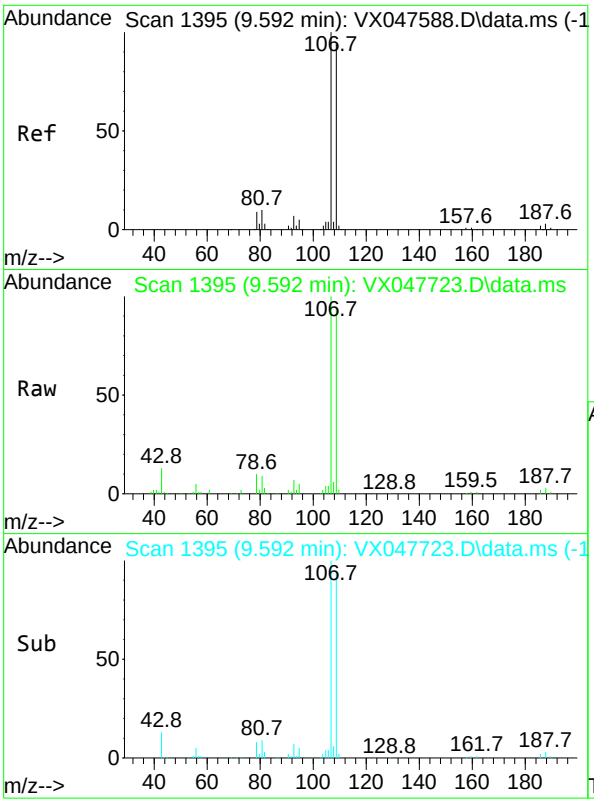




#60
Dibromochloromethane
Concen: 17.249 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:129 Resp: 45346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.4 | 38.4 | 115.2 |

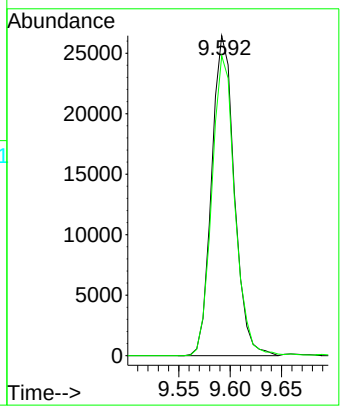





#61
1,2-Dibromoethane
Concen: 17.435 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:107 Resp: 4051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.1 | 75.3 | 112.9 |

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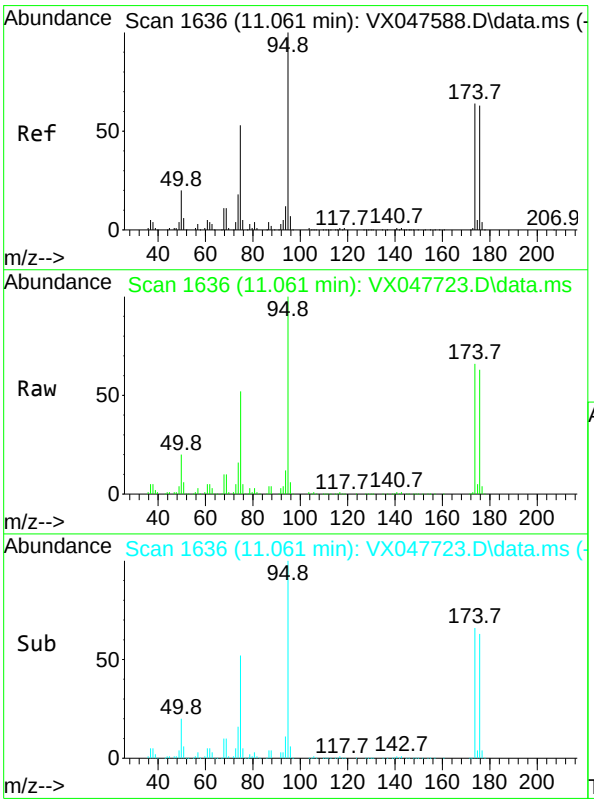
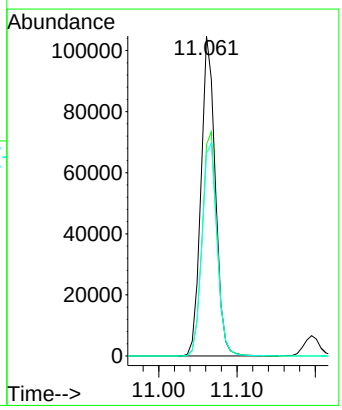
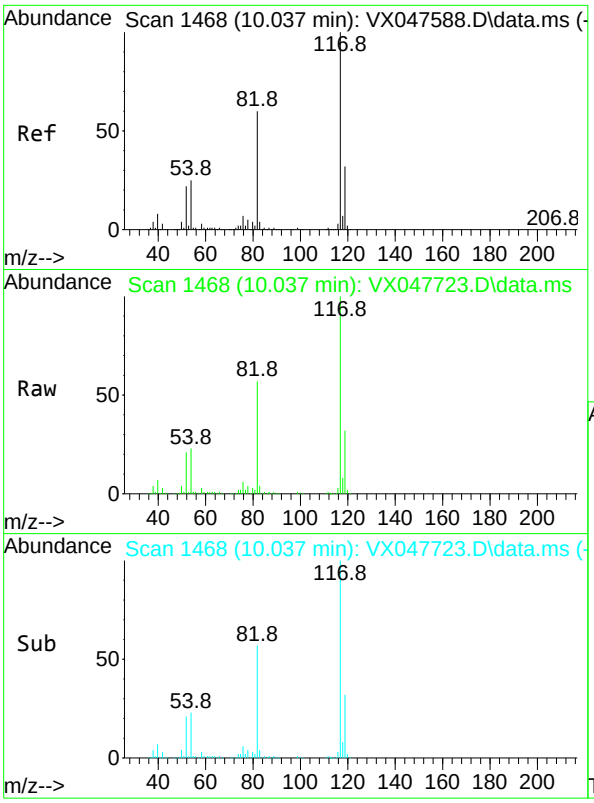



#62
4-Bromofluorobenzene
Concen: 46.772 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 95 Resp: 132914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.1 | 0.0 | 141.6 |
| 176 | 70.0 | 0.0 | 138.4 |

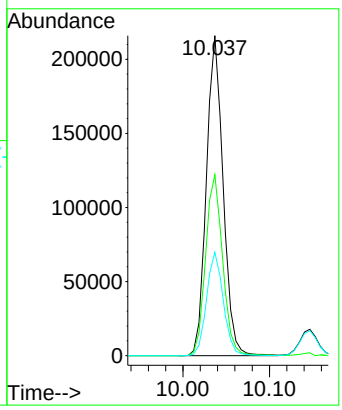





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:117 Resp: 28979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 47.8 | 71.6 |
| 119 | 32.3 | 25.2 | 37.8 |

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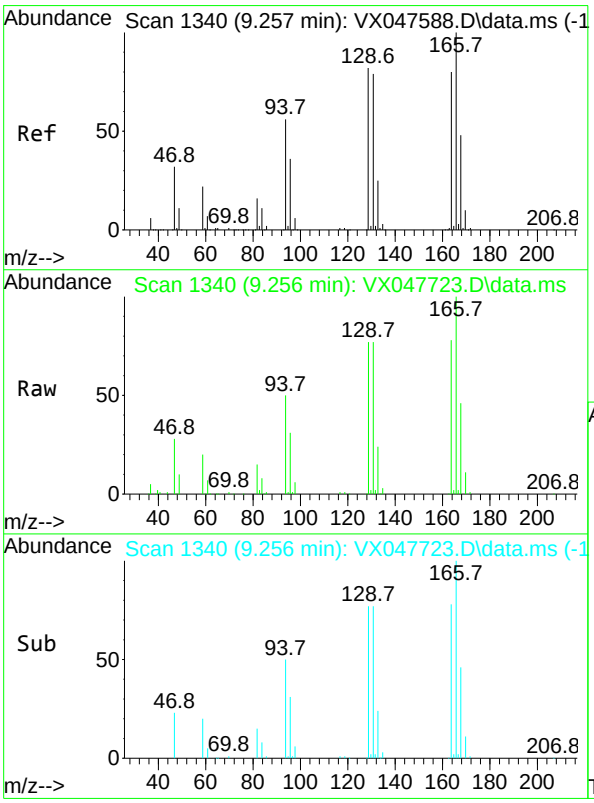
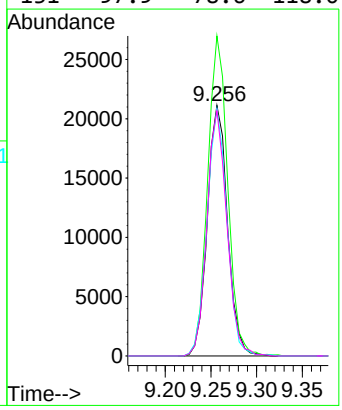
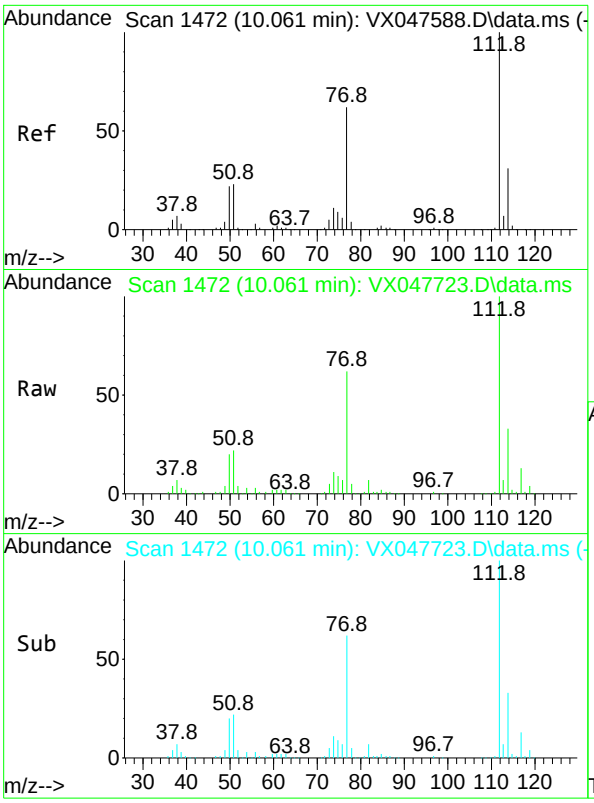



#64
Tetrachloroethene
Concen: 17.136 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:164 Resp: 32372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.7 | 100.2 | 150.2 |
| 129 | 98.8 | 81.8 | 122.6 |
| 131 | 97.9 | 78.6 | 118.0 |

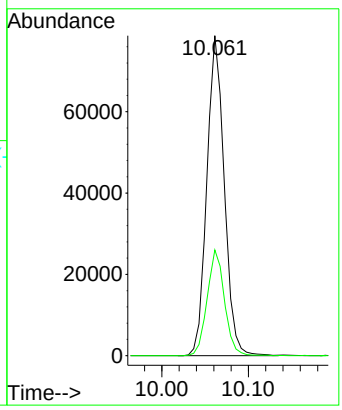





#65
Chlorobenzene
Concen: 16.694 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:112 Resp: 10990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.1 | 37.7 |

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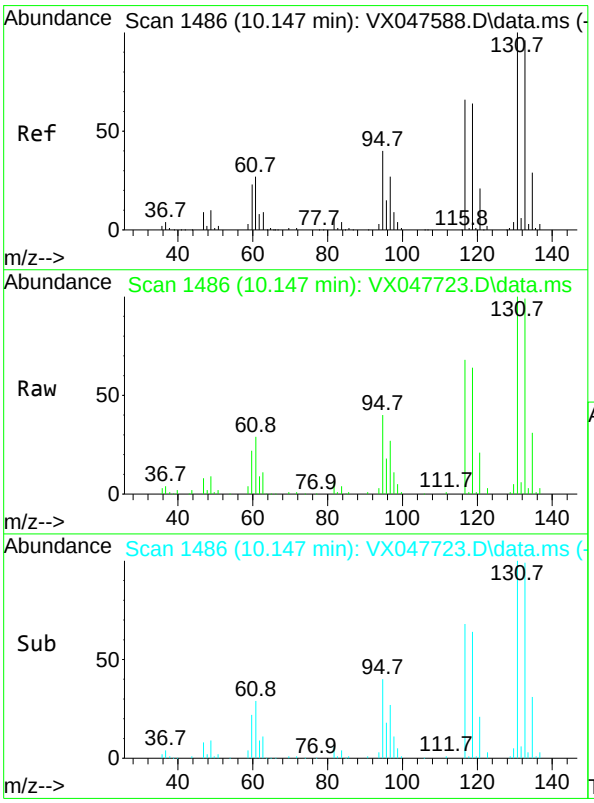
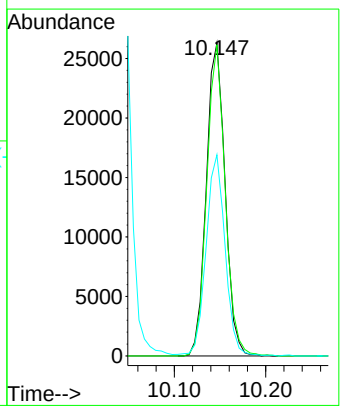
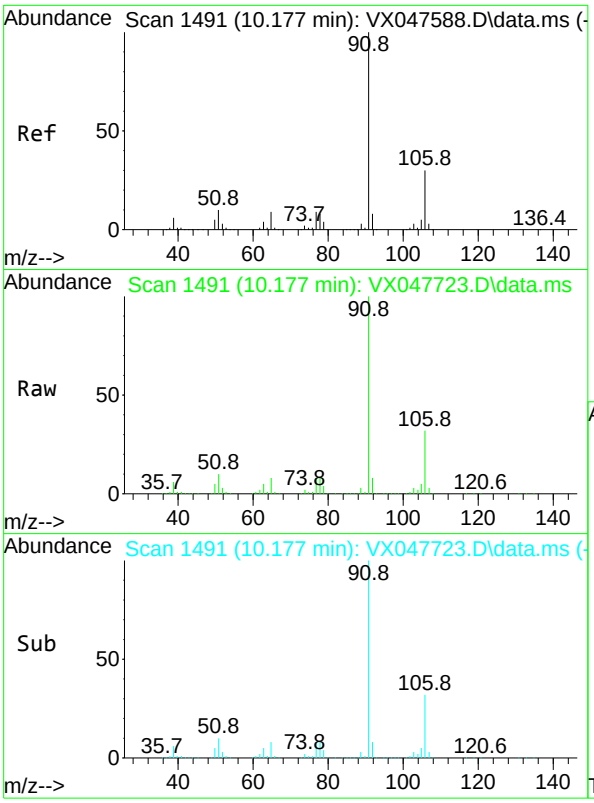



#66
1,1,1,2-Tetrachloroethane
Concen: 16.455 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:131 Resp: 37383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.8 | 47.3 | 142.0 |
| 119 | 65.4 | 32.0 | 96.0 |

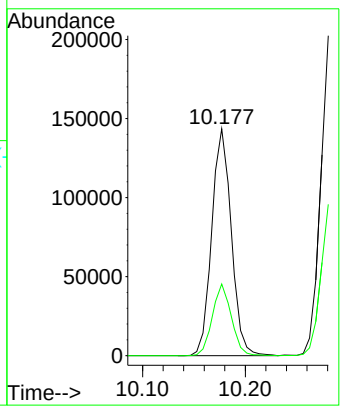





#67
Ethyl Benzene
Concen: 16.684 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 18952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 24.3 | 36.5 |

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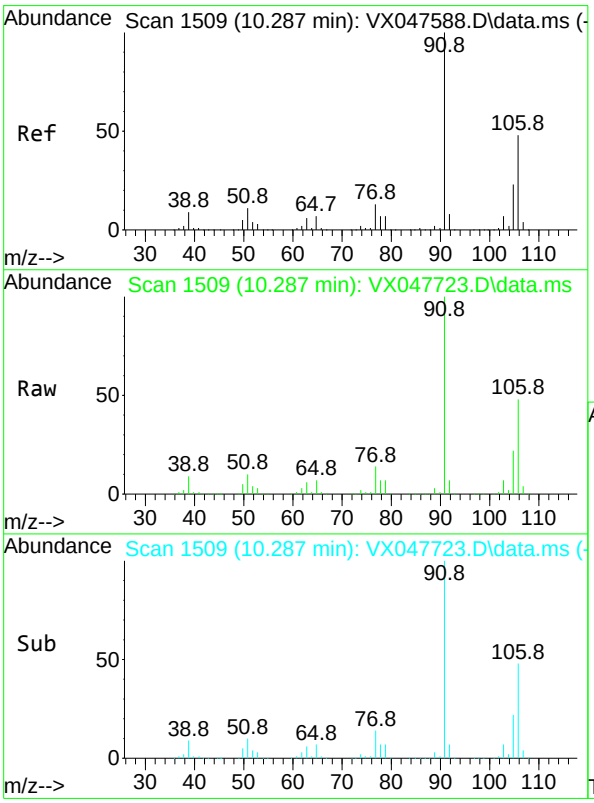
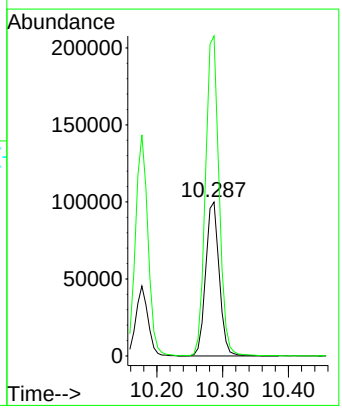
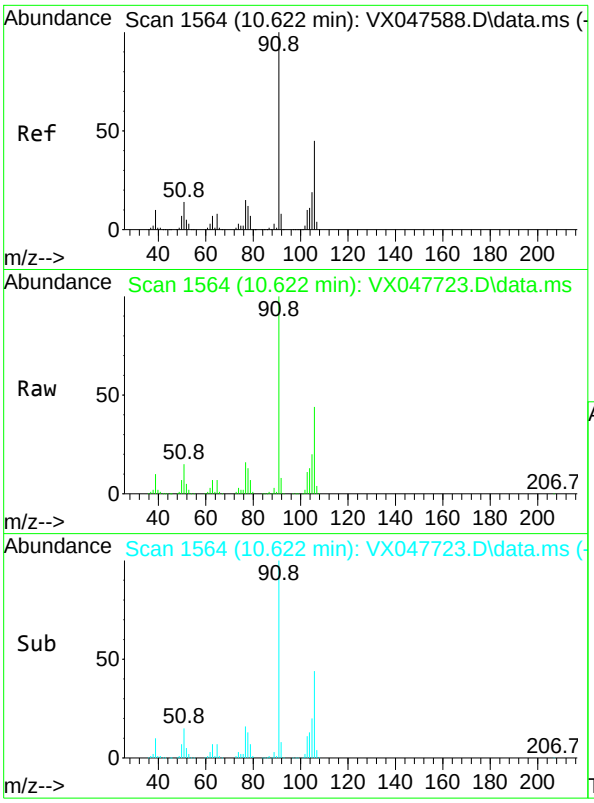



#68
m/p-Xylenes
Concen: 33.927 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:106 Resp: 143444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.1 | 167.8 | 251.8 |

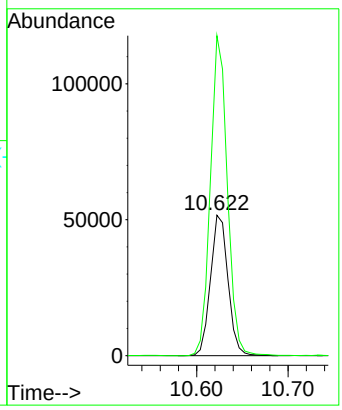





#69
o-Xylene
Concen: 16.861 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:106 Resp: 6895

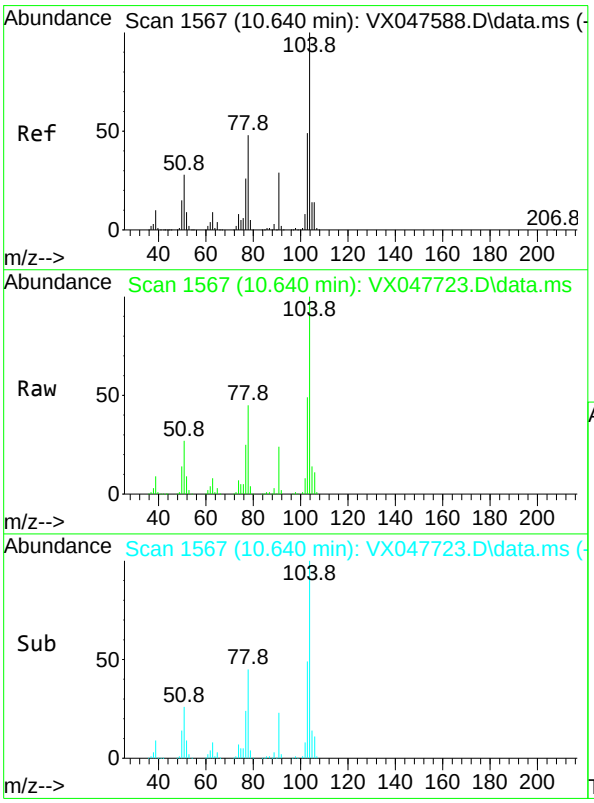
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.7 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

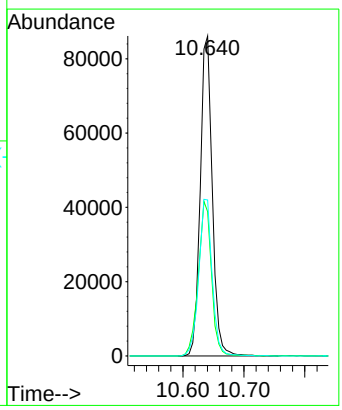
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

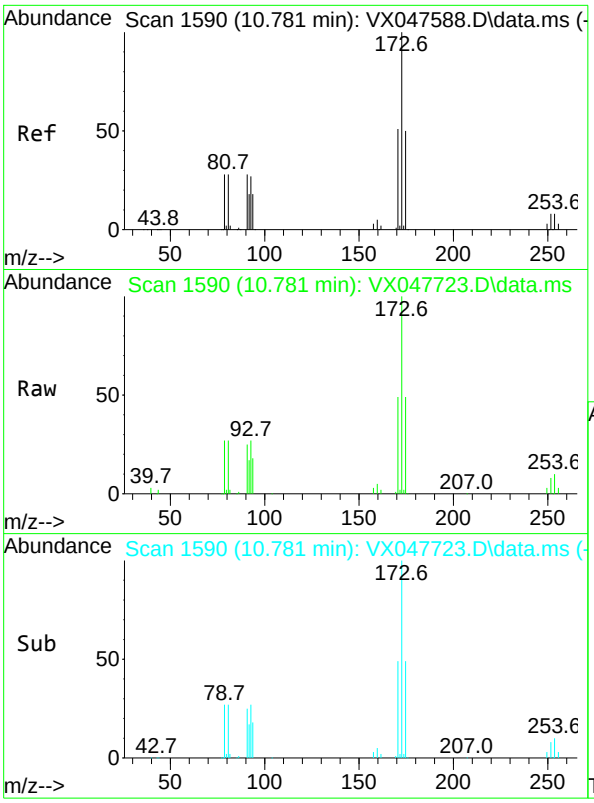



#70
Styrene
Concen: 16.552 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:104 Resp: 118603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.0 | 43.1 | 64.7 |
| 103 | 54.4 | 43.1 | 64.7 |

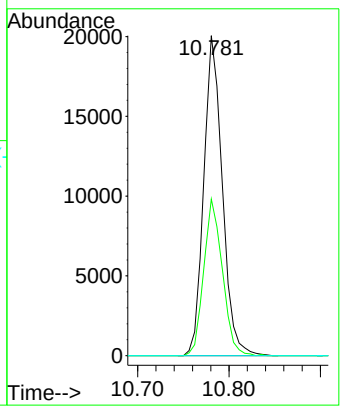





#71
Bromoform
Concen: 16.646 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:173 Resp: 2823

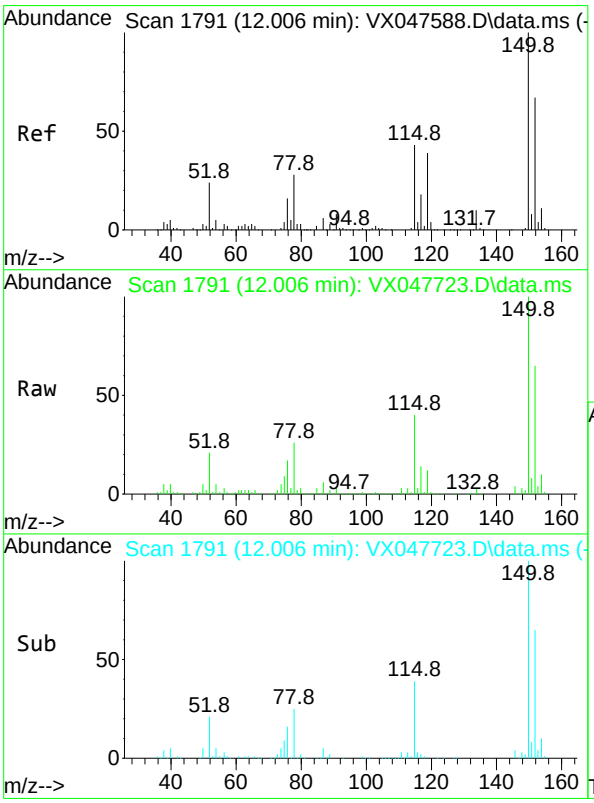
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.1 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

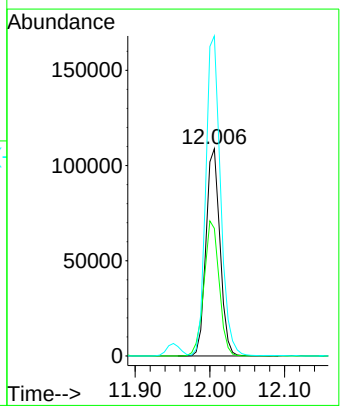
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

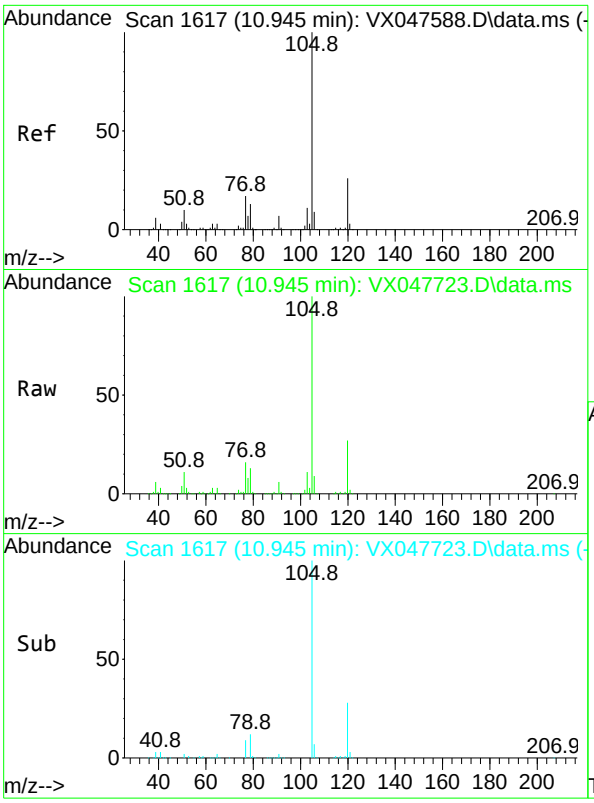



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:152 Resp: 141661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.3 | 44.9 | 134.5 |
| 150 | 161.9 | 0.0 | 352.0 |

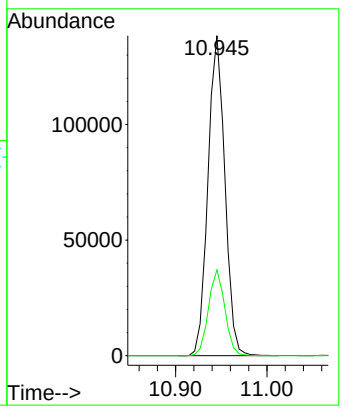





#73
Isopropylbenzene
Concen: 16.449 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 17715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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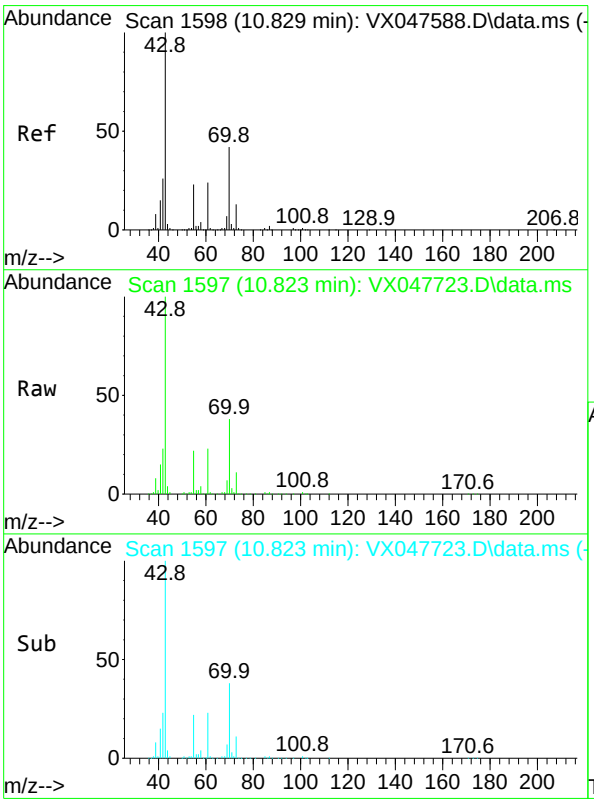
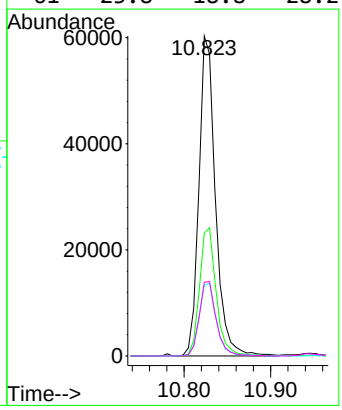
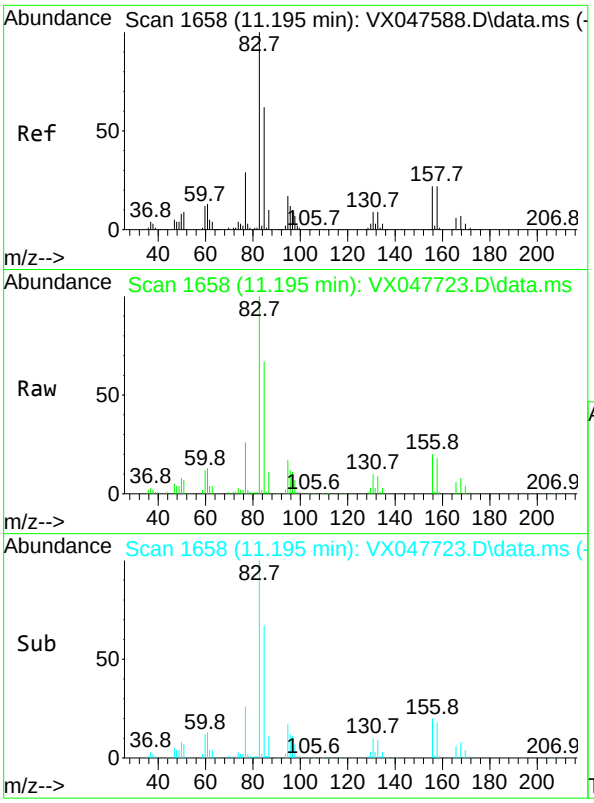



#74
N-amyl acetate
Concen: 16.296 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 80035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.8 | 18.8 | 28.2 |






#75
1,1,2,2-Tetrachloroethane
Concen: 16.590 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

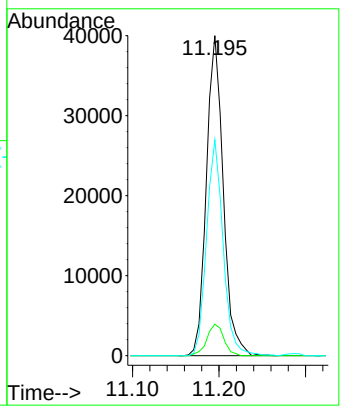
Tgt Ion: 83 Resp: 5405

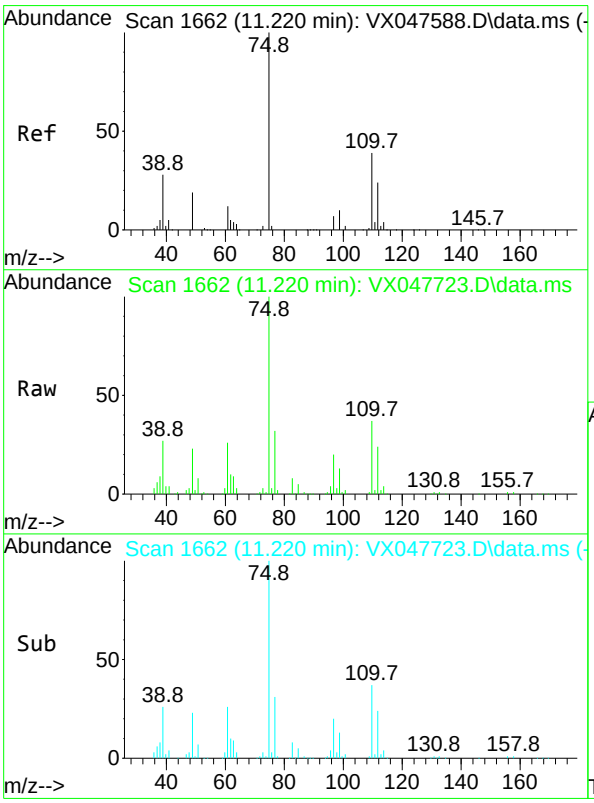
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 66.4 | 31.6 | 95.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

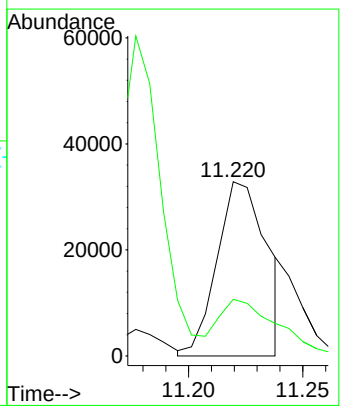


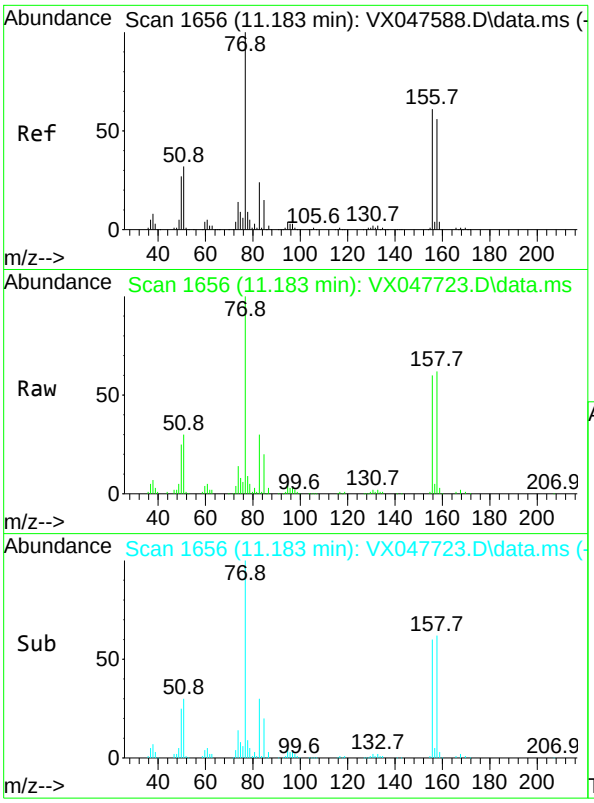




#76
1,2,3-Trichloropropane
Concen: 17.368 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 49816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 37.6 | 18.8 | 56.4 |






#77
Bromobenzene
Concen: 16.287 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

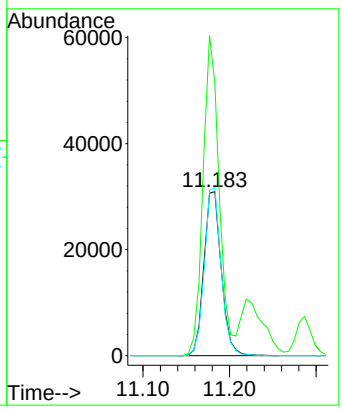
Tgt Ion:156 Resp: 4320

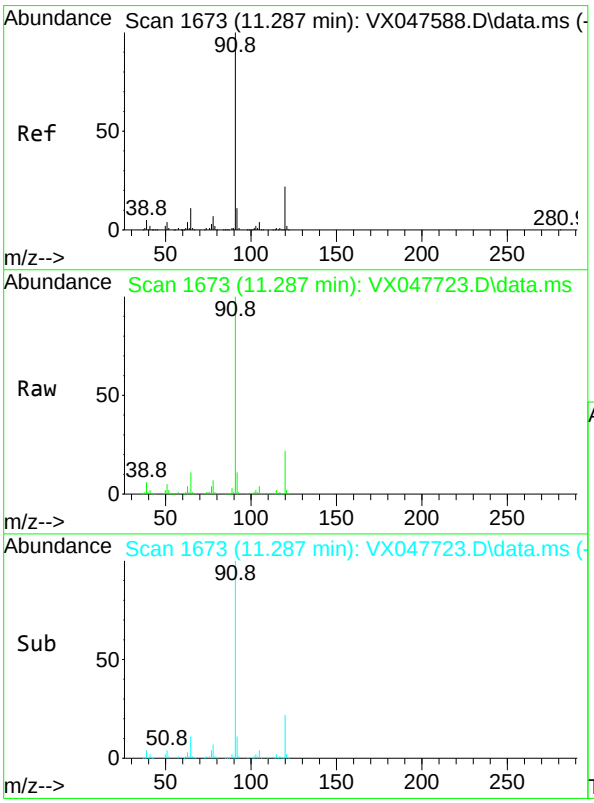
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 181.8 | 89.7 | 269.1 |
| 158 | 98.4 | 47.9 | 143.6 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

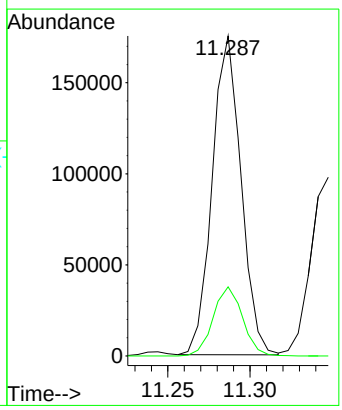


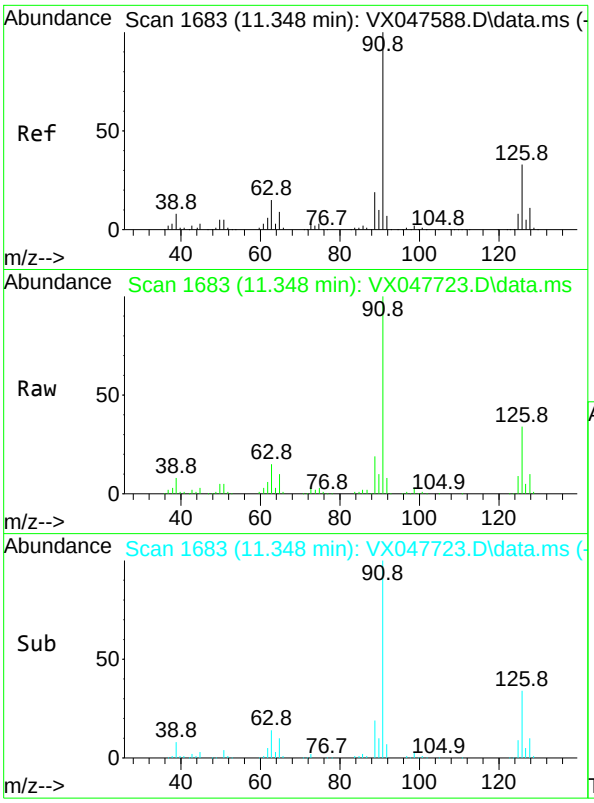




#78
n-propylbenzene
Concen: 16.736 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 213079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.1 | 33.1 |

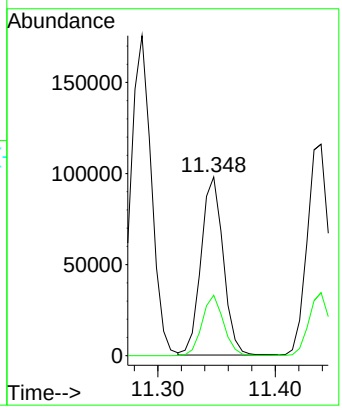





#79
2-Chlorotoluene
Concen: 16.446 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 12823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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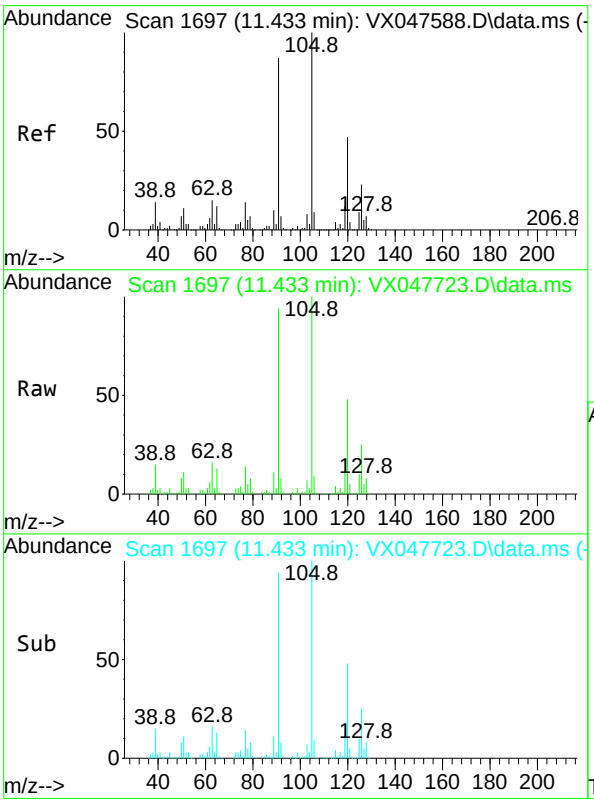
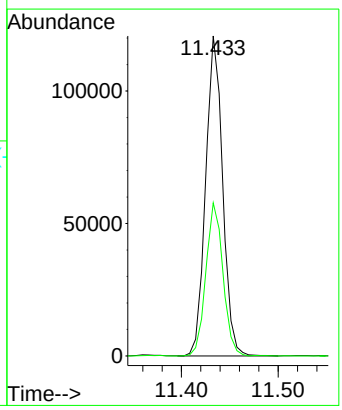
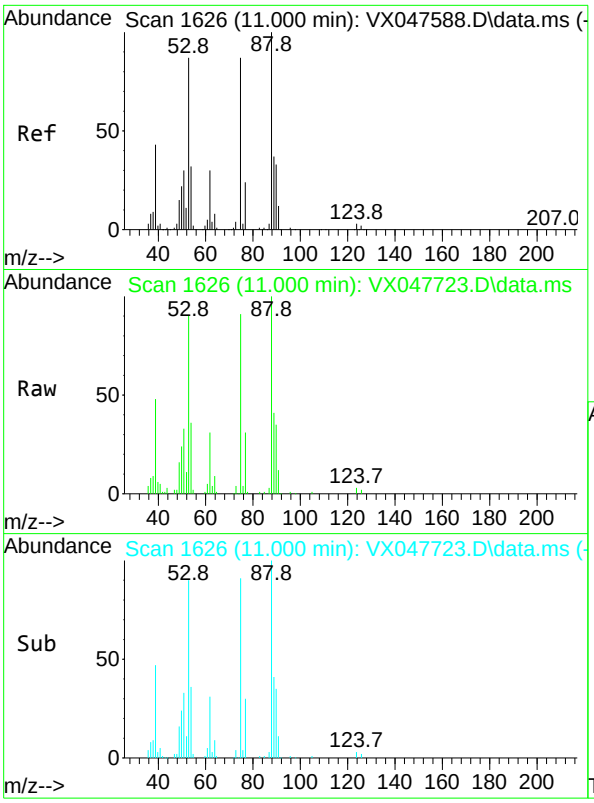



#80
1,3,5-Trimethylbenzene
Concen: 16.707 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 147832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 14.736 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 1657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.6 | 83.4 | 125.2 |
| 89 | 45.5 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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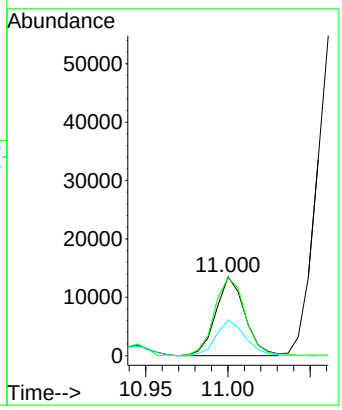
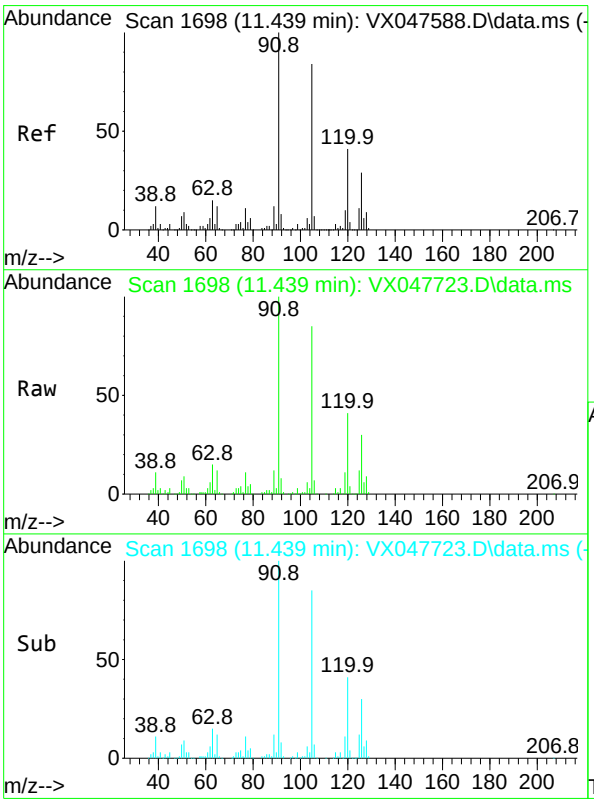
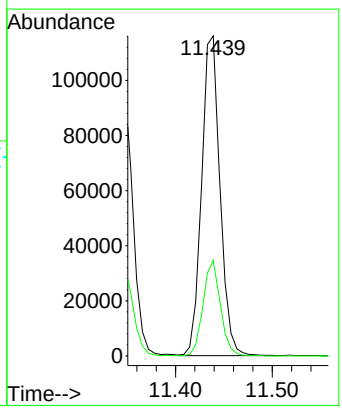


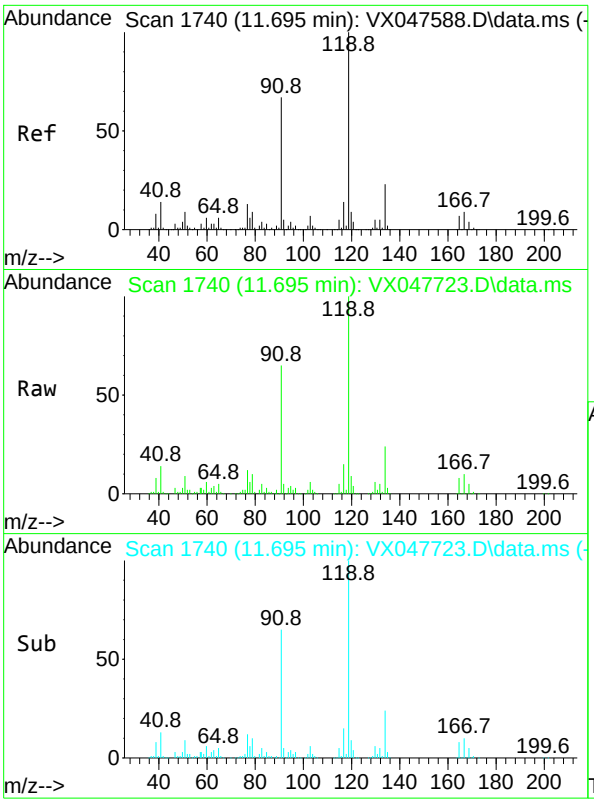




#82
4-Chlorotoluene
Concen: 16.677 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 153584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.3 | 14.2 | 42.6 |

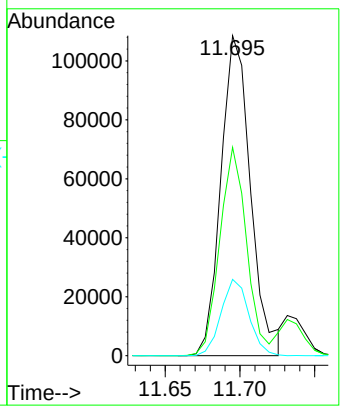





#83
tert-Butylbenzene
Concen: 16.497 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:119 Resp: 14943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.6 | 88.8 |
| 134 | 22.4 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

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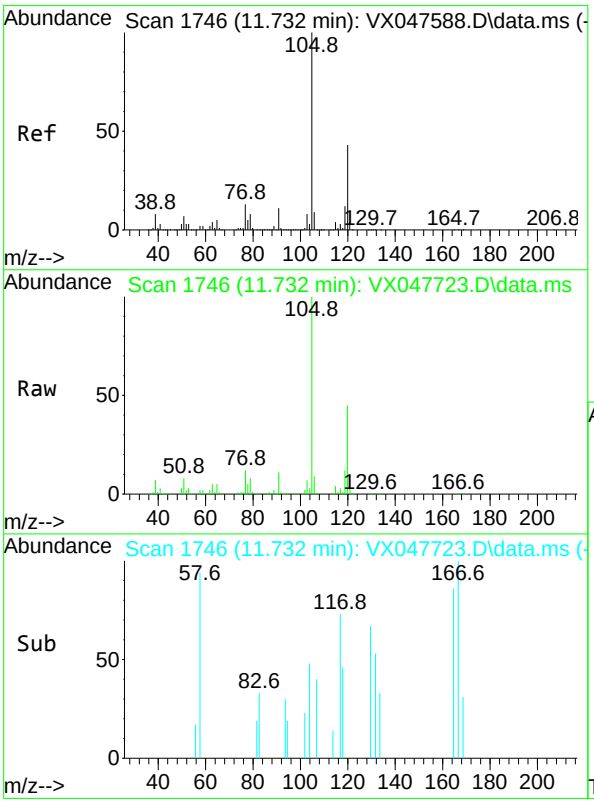
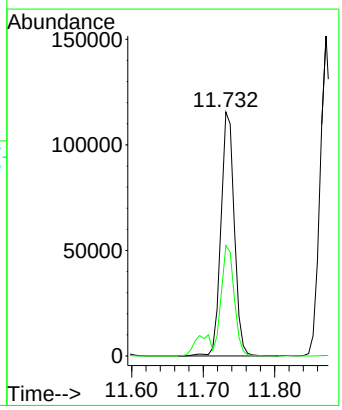
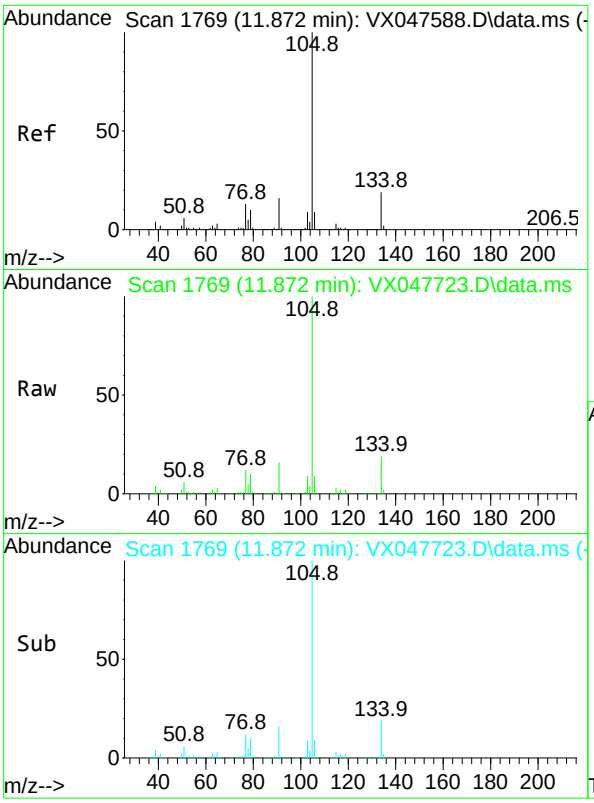



#84
1,2,4-Trimethylbenzene
Concen: 16.747 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 150232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |

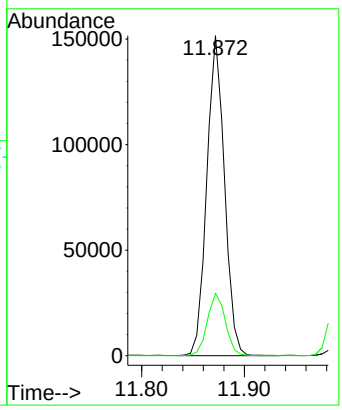





#85
sec-Butylbenzene
Concen: 16.825 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 18102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
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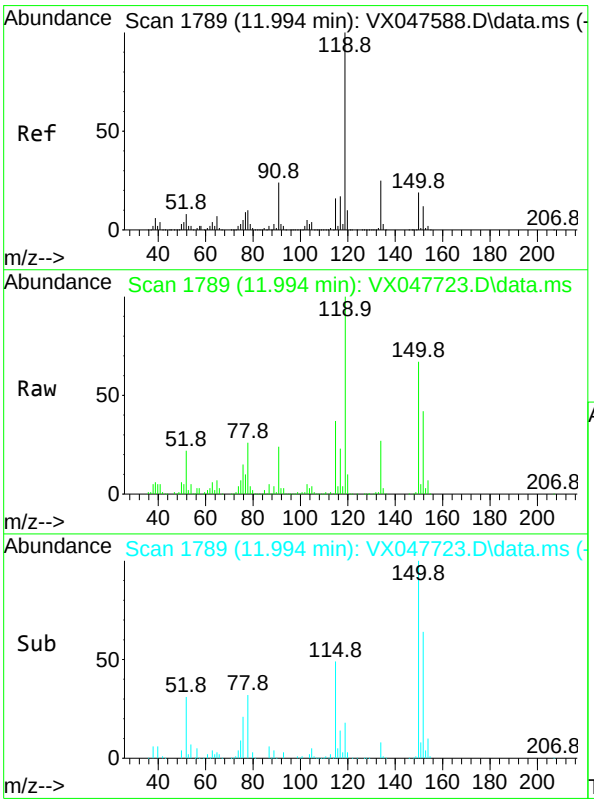
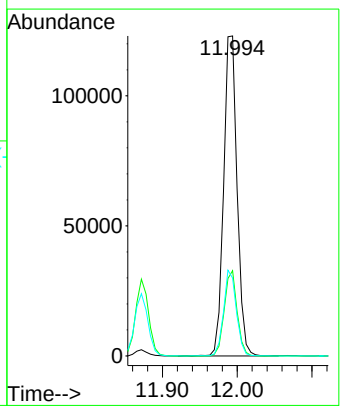
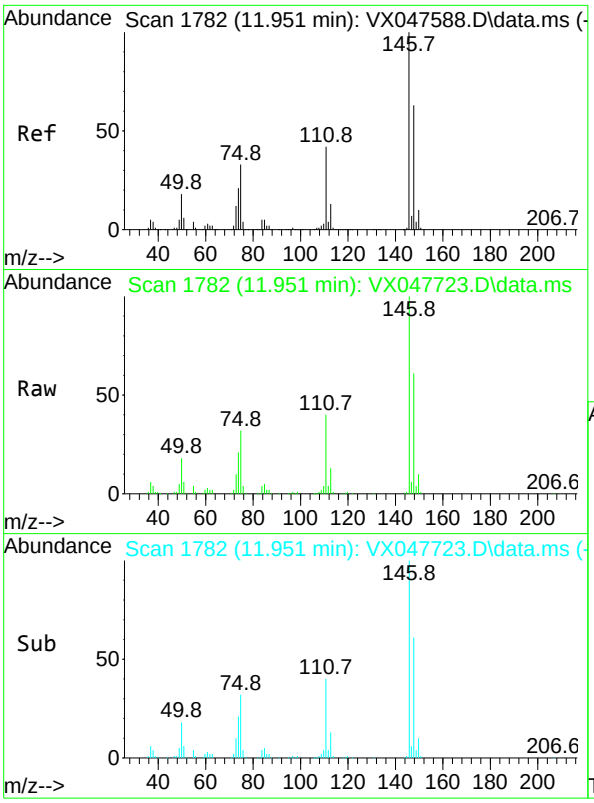



#86
p-Isopropyltoluene
Concen: 16.913 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:119 Resp: 154052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.6 | 37.8 |
| 91 | 25.5 | 12.6 | 37.6 |

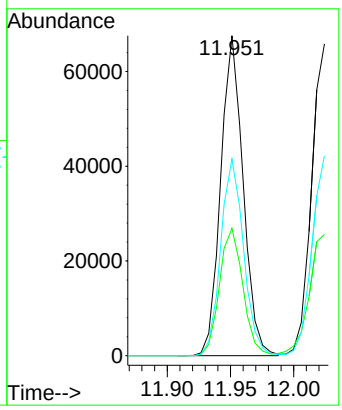





#87
1,3-Dichlorobenzene
Concen: 16.875 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:146 Resp: 8314

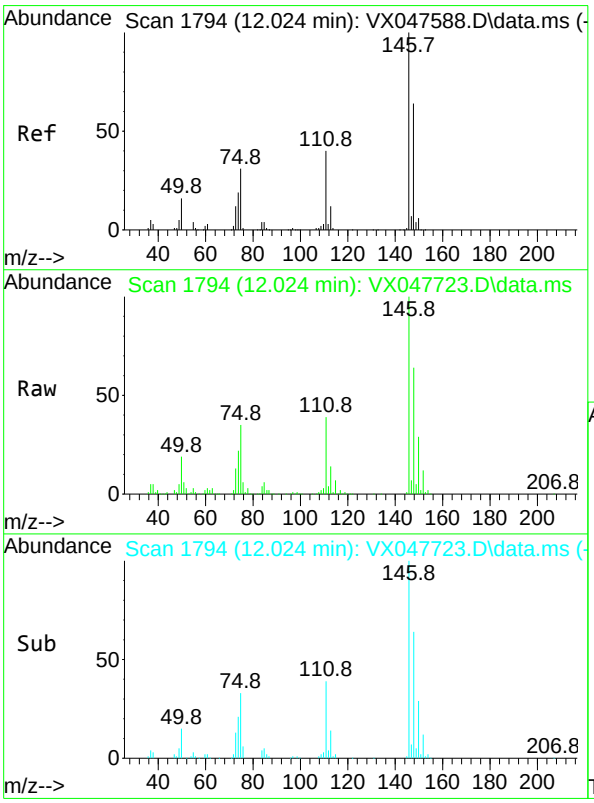
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.5 | 64.5 |
| 148 | 62.7 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

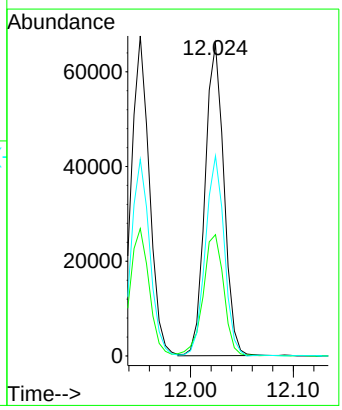
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

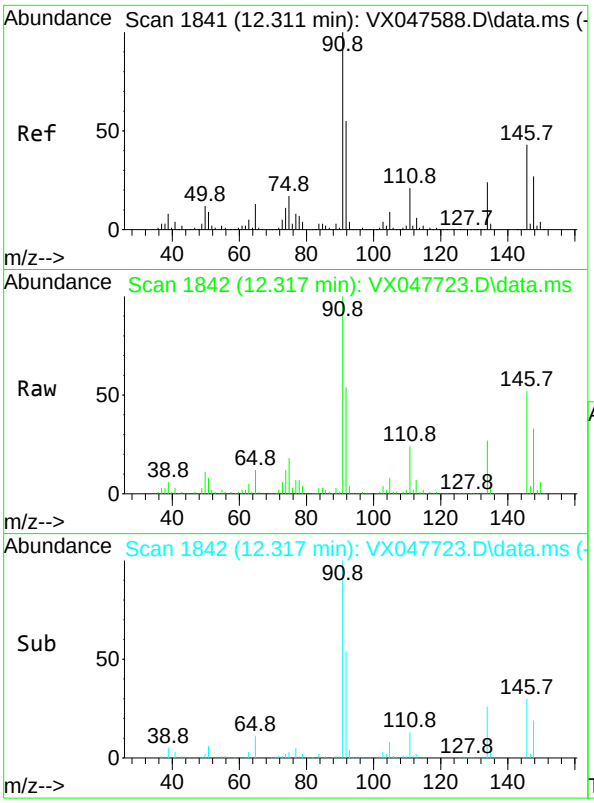



#88
1,4-Dichlorobenzene
Concen: 16.605 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:146 Resp: 83968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 20.8 | 62.4 |
| 148 | 63.9 | 31.7 | 95.1 |

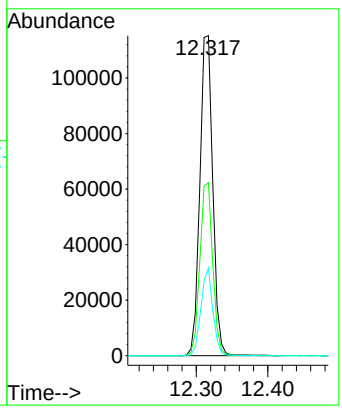





#89
n-Butylbenzene
Concen: 17.140 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 14446

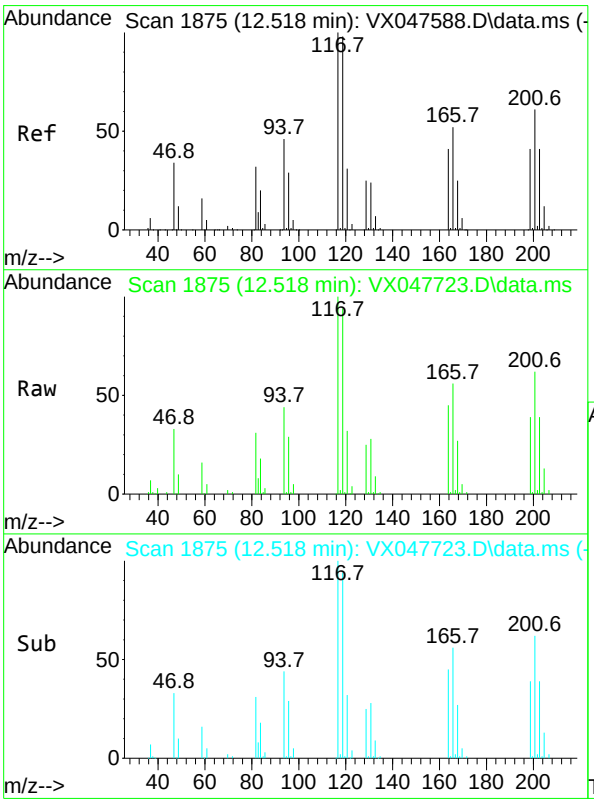
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

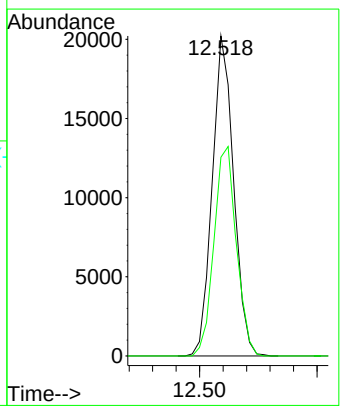
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

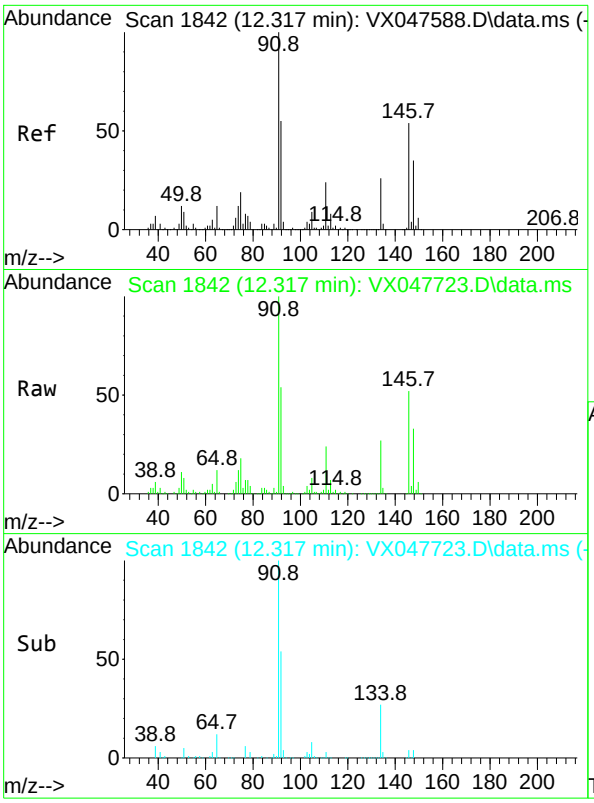



#90
Hexachloroethane
Concen: 15.981 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:117 Resp: 25557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.7 | 34.2 | 102.5 |

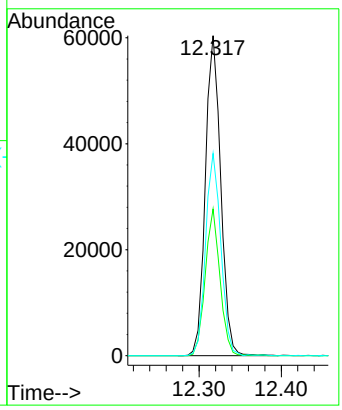





#91
1,2-Dichlorobenzene
Concen: 16.683 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:146 Resp: 7830

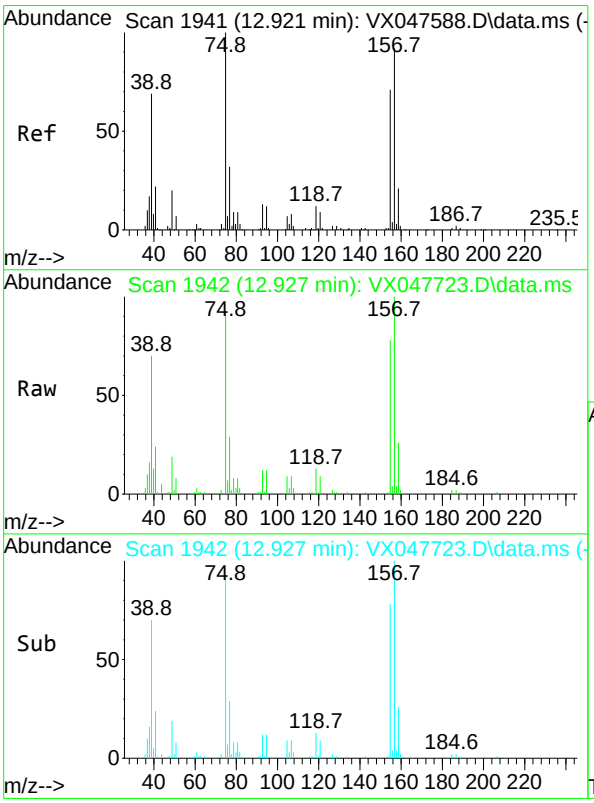
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 62.9 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

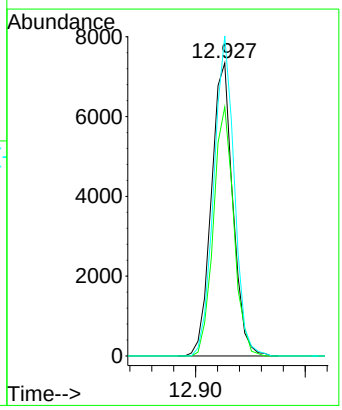
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

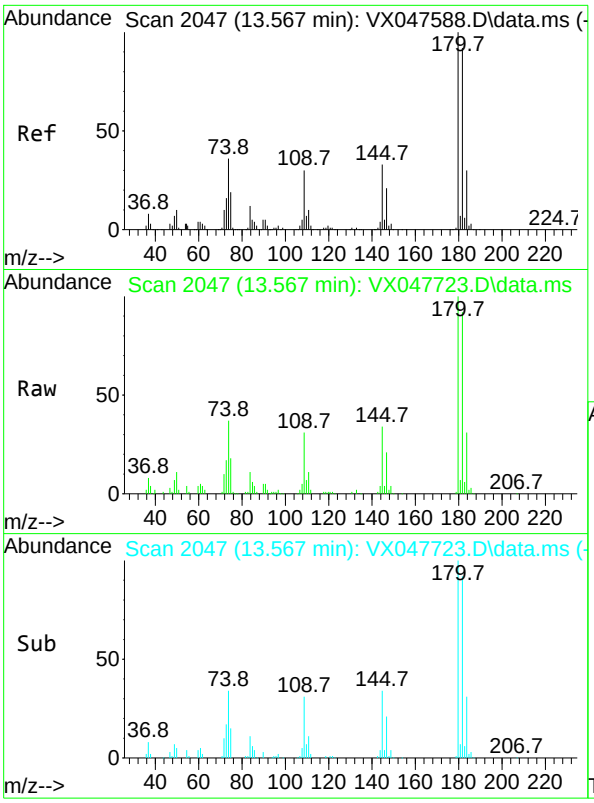



#92
1,2-Dibromo-3-Chloropropane
Concen: 15.194 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 10024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.9 | 37.7 | 113.1 |
| 157 | 103.6 | 49.8 | 149.4 |

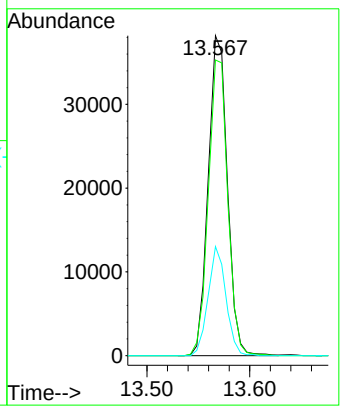





#93
1,2,4-Trichlorobenzene
Concen: 16.182 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:180 Resp: 4936

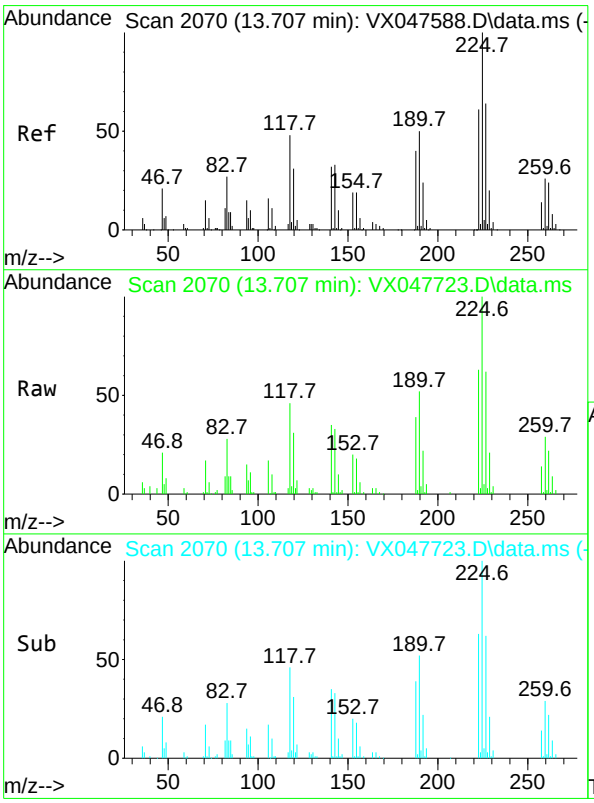
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 46.6 | 139.8 |
| 145 | 31.9 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations APPROVED**

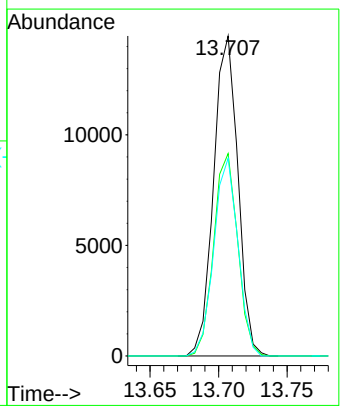
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

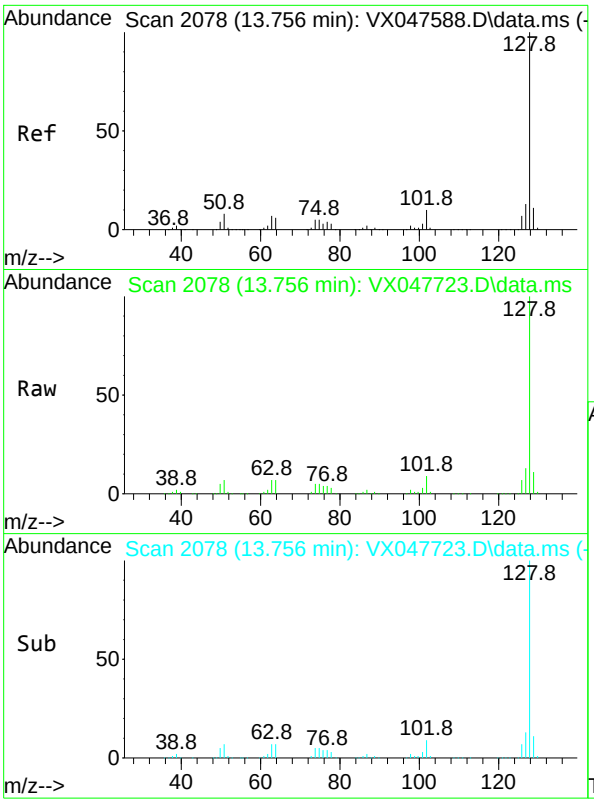



#94
Hexachlorobutadiene
Concen: 17.165 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:225 Resp: 17786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 31.7 | 95.1 |
| 227 | 61.4 | 32.0 | 96.0 |

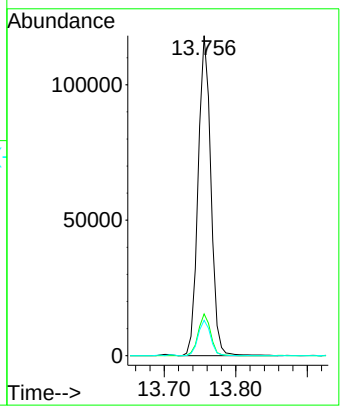





#95
Naphthalene
Concen: 15.742 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:128 Resp: 14623

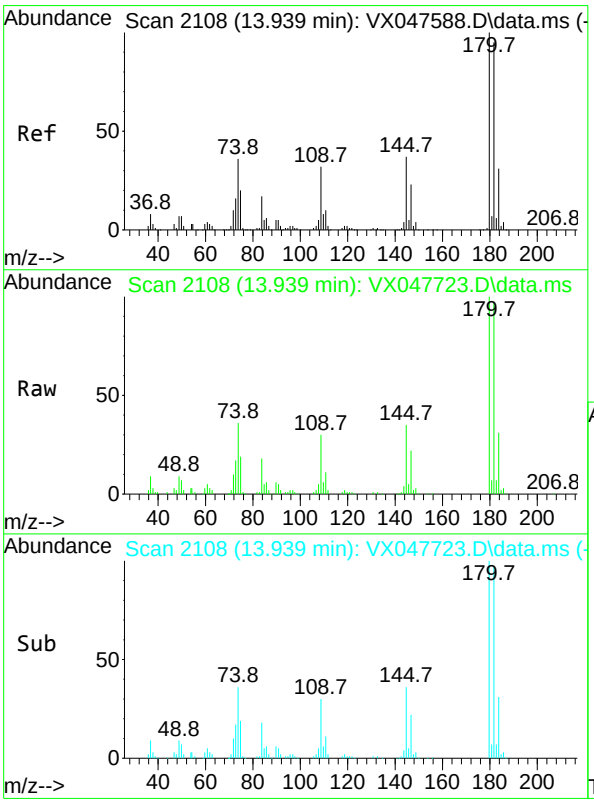
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

**Manual Integrations**
**APPROVED**

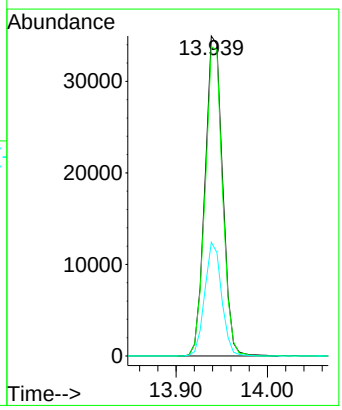
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 16.373 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:180 Resp: 46461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.6 | 142.8 |
| 145 | 34.1 | 17.9 | 53.7 |



Raw Data: **VX047748.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047748.D | 1 | 09/24/25 03:53 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 23.6 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 21.7 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 22.4 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 23.5 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 21.0 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.9 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 21.0 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 21.2 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 87.7 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 20.9 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 22.4 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.7 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 21.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 21.0 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 20.9 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 110 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.7 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.9 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 19.1 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 21.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 21.2 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 20.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 20.9 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 20.4 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 21.3 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 21.0 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 21.1 | | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047748.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047748.D | 1 | 09/24/25 03:53 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 18.8 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.1 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.7 | | 0.21 | 0.50 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 110 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 21.2 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 22.0 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 21.4 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 20.7 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.8 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 42.3 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 20.9 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 20.7 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 20.9 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 20.5 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 21.6 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 20.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 20.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 20.7 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20.4 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.8 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.7 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.0 | | 81 - 118 | | 98% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.7 | | 80 - 119 | | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.6 | | 89 - 112 | | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 51.1 | | 85 - 114 | | 102% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 157000 | 5.544 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 284000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 254000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 124000 | 12.006 | | | | |

Raw Data: **VX047748.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBS03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBS03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047748.D | 1 | 09/24/25 03:53 | VX092325 |

| 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\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 156932 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 284011 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 253957 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 123765 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 122385 | 48.994 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 97.980% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 96590 | 50.711 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.420% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 333541 | 50.607 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 101.220% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 127747 | 51.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 38327 | 23.585 | ug/l | 98 |
| 3) Chloromethane | 1.301 | 50 | 46331 | 21.693 | ug/l | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 46862 | 22.415 | ug/l | 97 |
| 5) Bromomethane | 1.618 | 94 | 31202 | 23.536 | ug/l | 96 |
| 6) Chloroethane | 1.697 | 64 | 29347 | 21.002 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 64984 | 20.934 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 25934 | 20.423 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 38130 | 21.007 | ug/l | 100 |
| 10) Methyl Iodide | 2.459 | 142 | 56731 | 20.040 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.941 | 59 | 29775 | 107.025 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 39463 | 21.165 | ug/l | 99 |
| 13) Acrolein | 2.239 | 56 | 25496 | 99.449 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 72907 | 18.949 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 116513 | 113.065 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 95237 | 87.685 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 106524 | 20.869 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 54144 | 22.400 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 140115 | 20.586 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 47681 | 20.740 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 42881 | 21.362 | ug/l | 94 |
| 22) Diisopropyl ether | 3.751 | 45 | 155798 | 20.894 | ug/l # | 82 |
| 23) Vinyl Acetate | 3.715 | 43 | 617433 | 103.461 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 83274 | 21.012 | ug/l | 100 |
| 25) 2-Butanone | 4.544 | 43 | 144925 | 106.972 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 42968 | 13.043 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 51366 | 20.894 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 33021 | 19.085 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.989 | 42 | 93114 | 114.248 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 85486 | 21.345 | ug/l | 96 |
| 31) Cyclohexane | 5.464 | 56 | 69116 | 20.939 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 71907 | 21.168 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 56214 | 20.197 | ug/l | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 63237 | 21.220 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 59490 | 19.672 | ug/l | 96 |
| 39) Methylcyclohexane | 7.367 | 83 | 63625 | 20.138 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 176451 | 20.873 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 33379 | 21.696 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 65506 | 20.366 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.330 | 43 | 102233 | 20.917 | ug/l | | 99 |
| 44) Trichloroethene | 7.117 | 130 | 43438 | 21.254 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 45508 | 21.024 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 32646 | 20.725 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 67223 | 20.681 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.678 | 41 | 49967 | 20.524 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.653 | 88 | 12395 | 503.790 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 310191 | 114.468 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 109881 | 21.098 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 62267 | 18.780 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 67811 | 19.135 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 43533 | 21.677 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 67219 | 21.313 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 74746 | 21.667 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 148860 | 105.735 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 217174 | 111.587 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 48986 | 21.170 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 45047 | 22.022 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 35498 | 21.442 | ug/l | | 100 |
| 65) Chlorobenzene | 10.061 | 112 | 119644 | 20.738 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 41811 | 21.001 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 206630 | 20.757 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 156597 | 42.264 | ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 75062 | 20.945 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 129679 | 20.651 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 31001 | 20.854 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 193342 | 20.548 | ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 88563 | 20.640 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 61446 | 21.584 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 48514m | 19.360 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 48182 | 20.791 | ug/l | | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 228489 | 20.542 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 140664 | 20.647 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 160516 | 20.764 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 15843 | 16.123 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 166032 | 20.635 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 160239 | 20.248 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 161967 | 20.665 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 196176 | 20.870 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 161751 | 20.326 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 88665 | 20.598 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 90738 | 20.539 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 148126 | 20.116 | ug/l | | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 28222 | 20.199 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 84704 | 20.655 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 11756 | 20.397 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 52777 | 19.802 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 18191 | 20.094 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 164732 | 20.298 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 51341 | 20.708 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

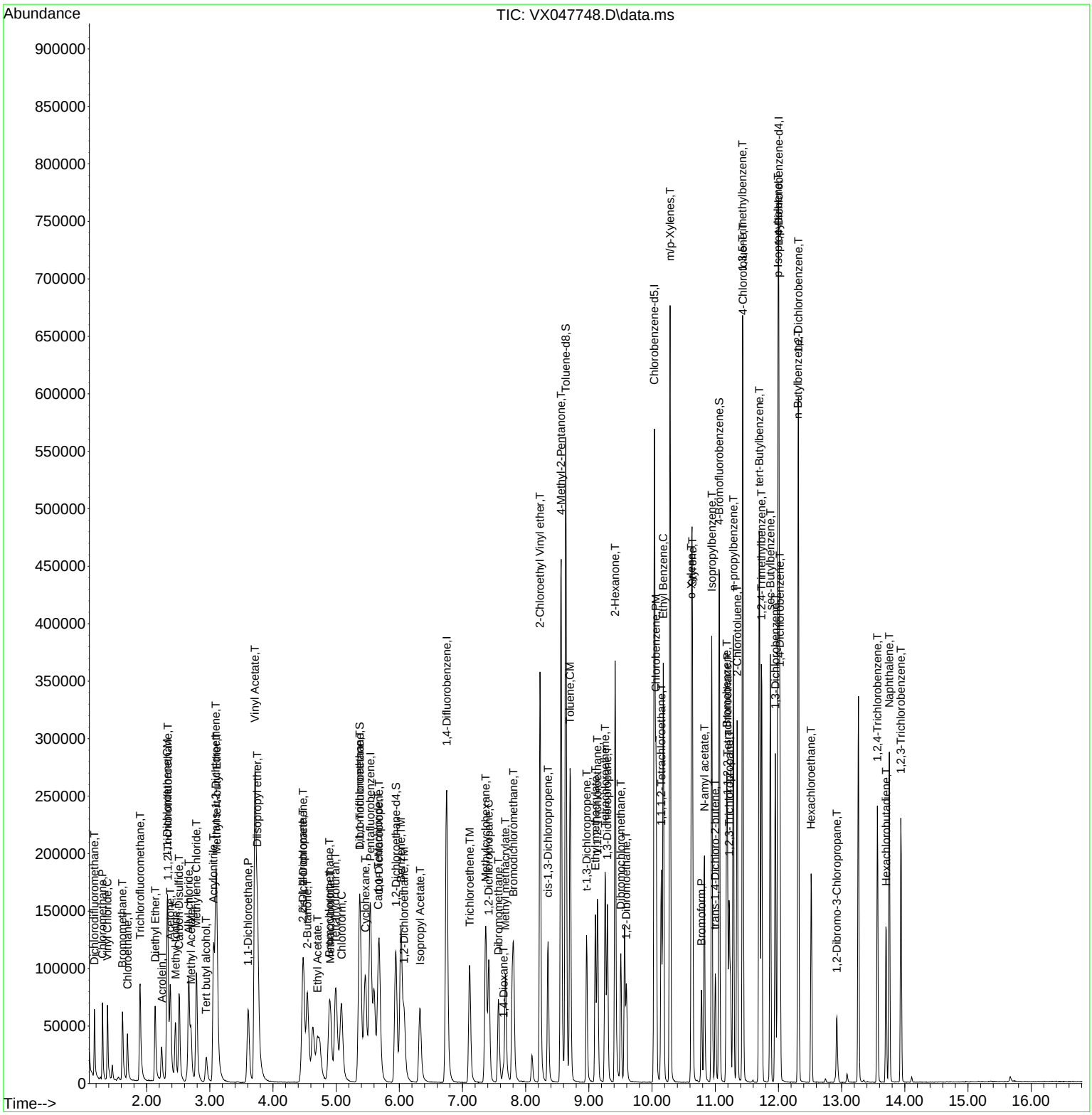
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

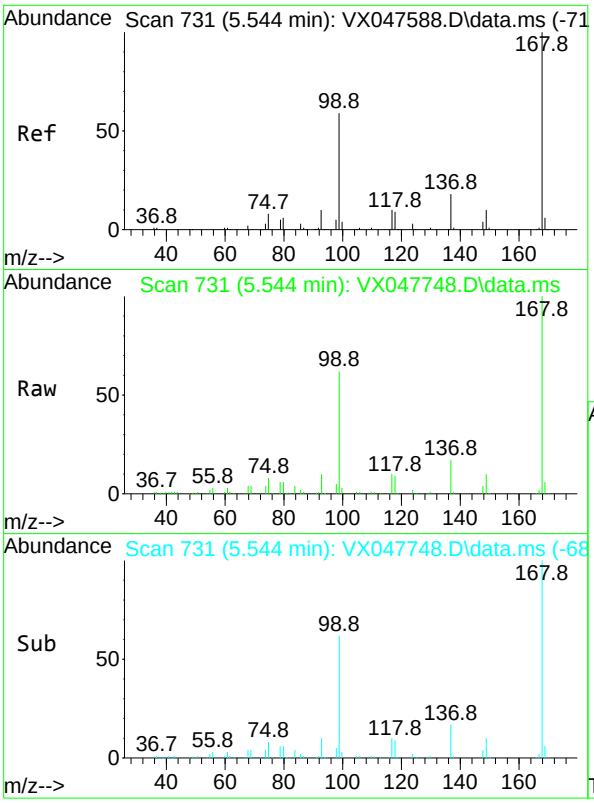
Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

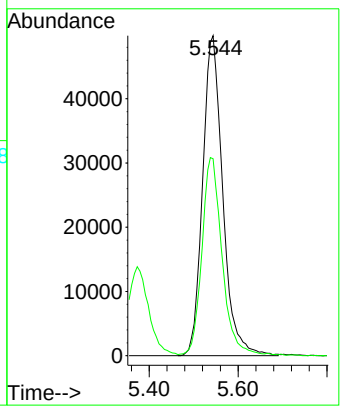





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:168 Resp: 15693

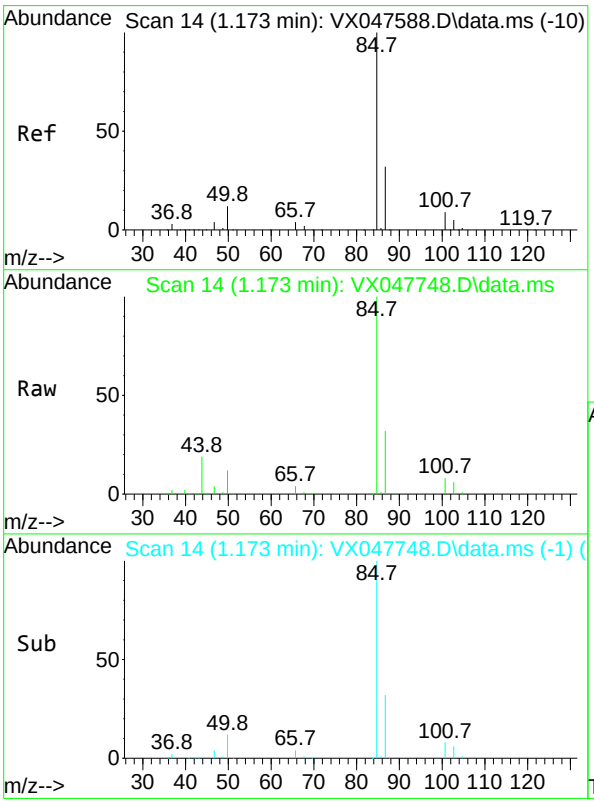
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.3 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

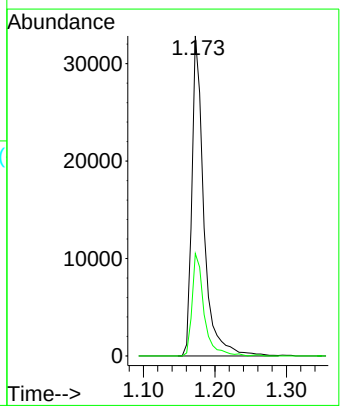
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

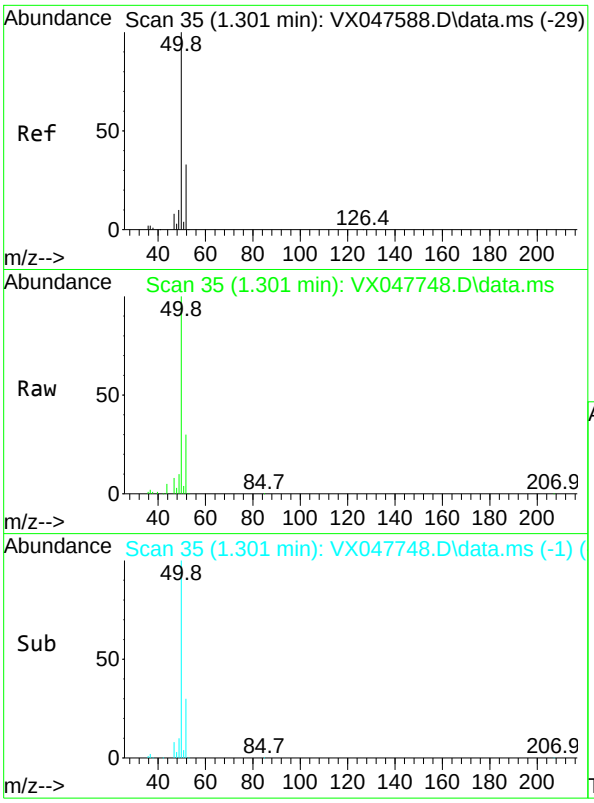



#2
Dichlorodifluoromethane
Concen: 23.585 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 85 Resp: 38327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.8 | 47.3 |

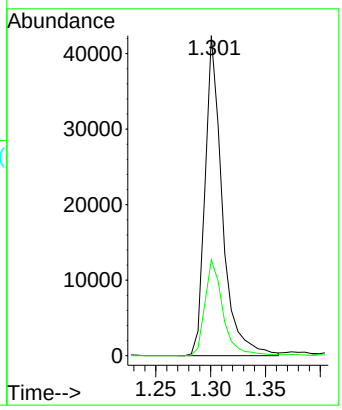





#3
Chloromethane
Concen: 21.693 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 50 Resp: 4633

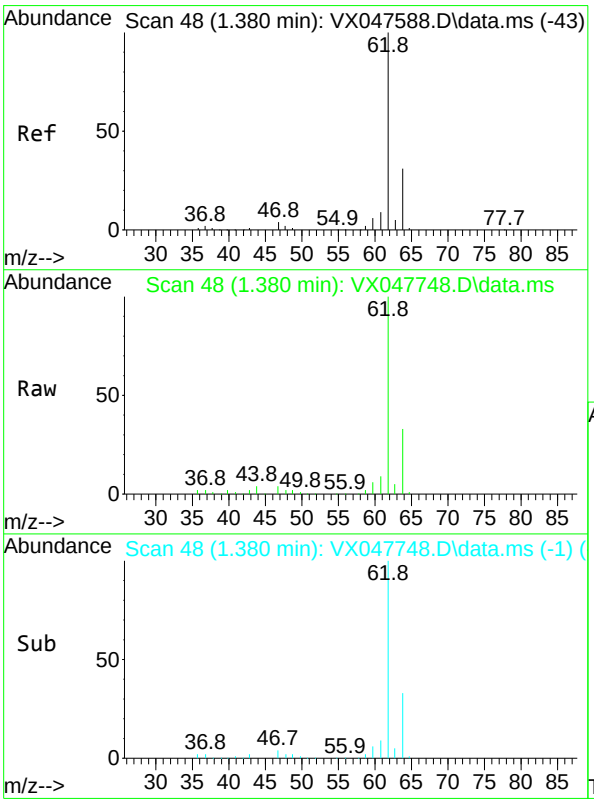
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.0 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

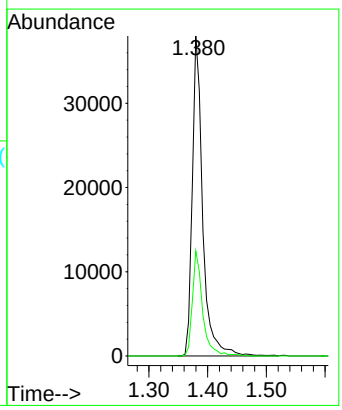
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

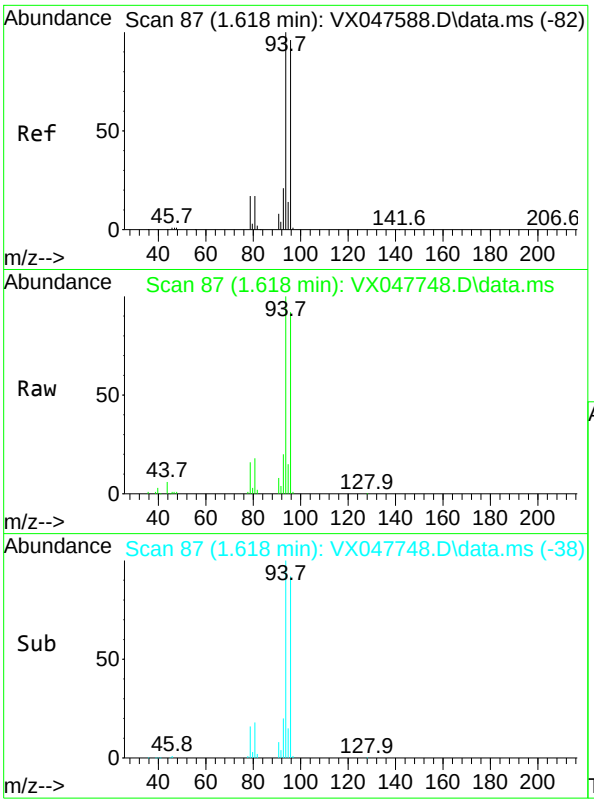



#4
Vinyl Chloride
Concen: 22.415 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 62 Resp: 46862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 24.9 | 37.3 |

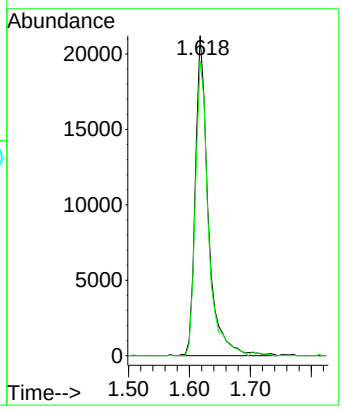





#5
Bromomethane
Concen: 23.536 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 94 Resp: 3120

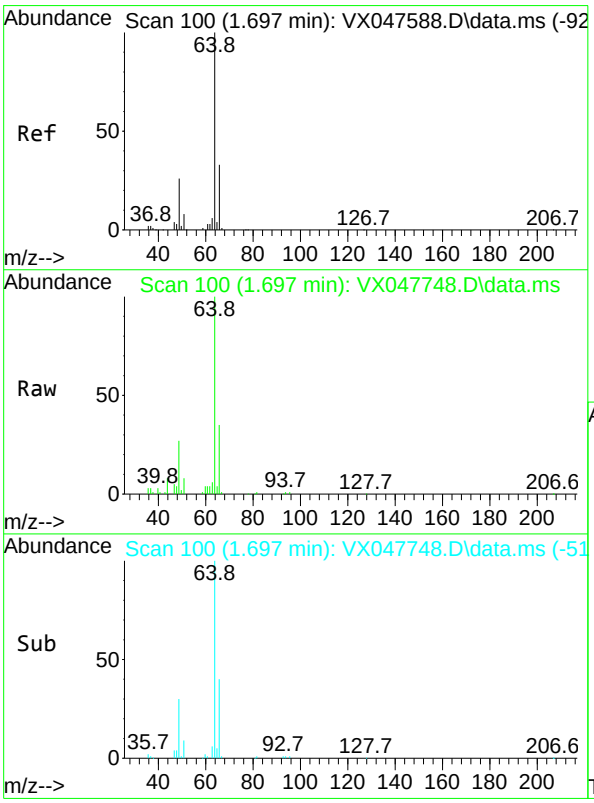
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 76.6 | 115.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

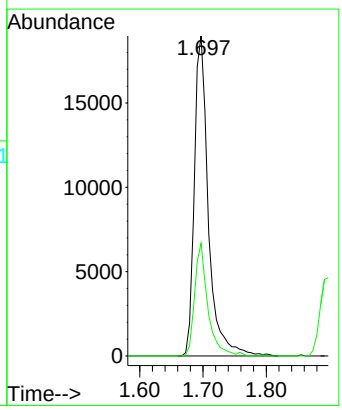
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

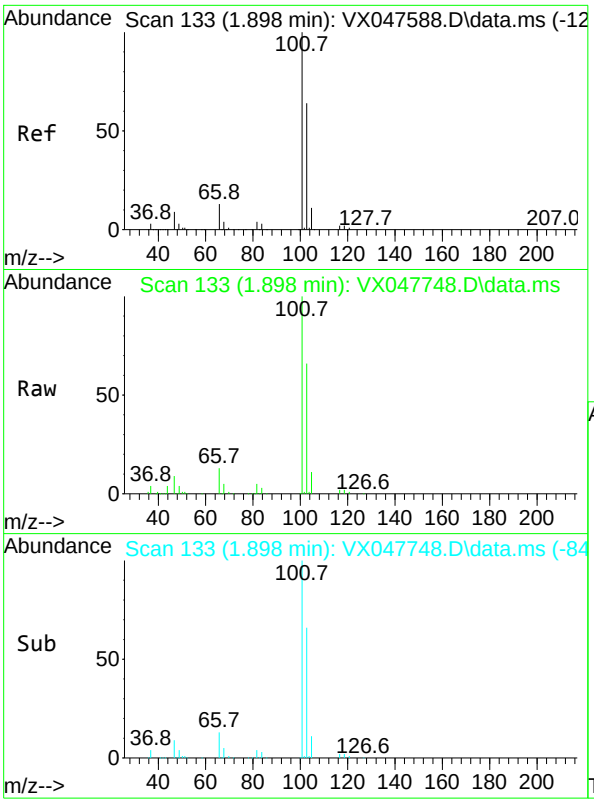



#6
Chloroethane
Concen: 21.002 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 64 Resp: 29347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 26.1 | 39.1 |

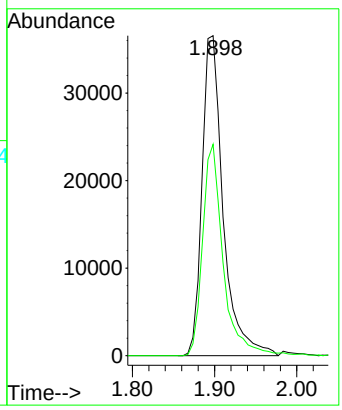





#7
Trichlorofluoromethane
Concen: 20.934 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:101 Resp: 6498

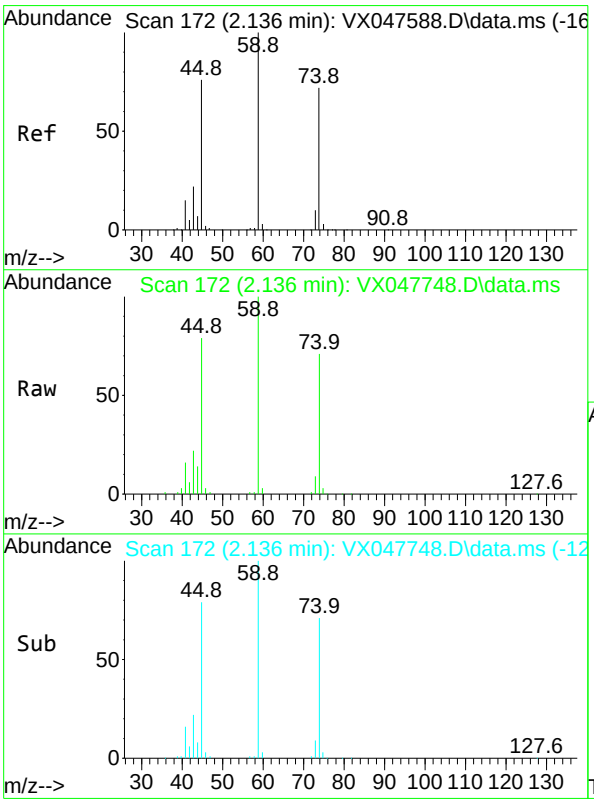
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

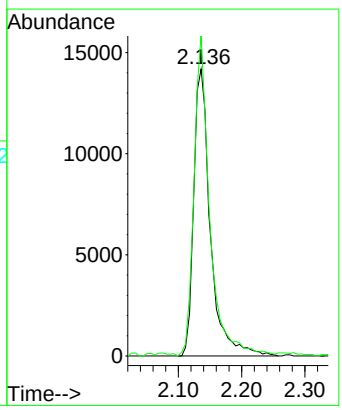
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

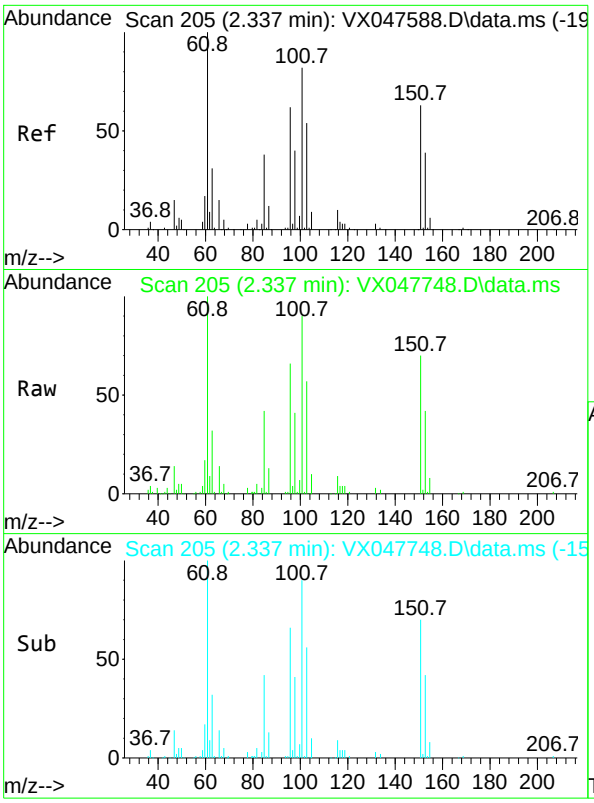



#8
Diethyl Ether
Concen: 20.423 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 74 Resp: 25934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.7 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.007 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

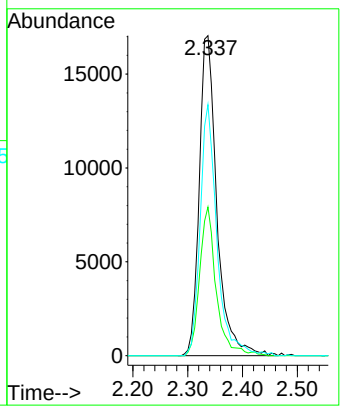
Tgt Ion:101 Resp: 3813

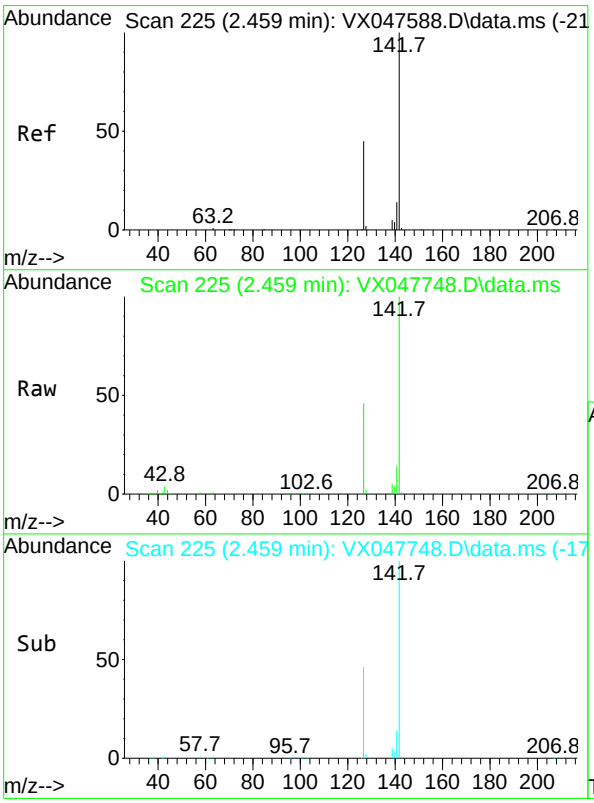
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.5 | 53.3 |
| 151 | 74.3 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

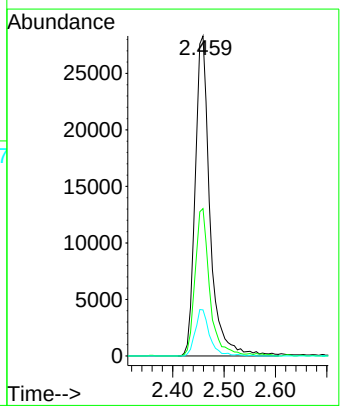


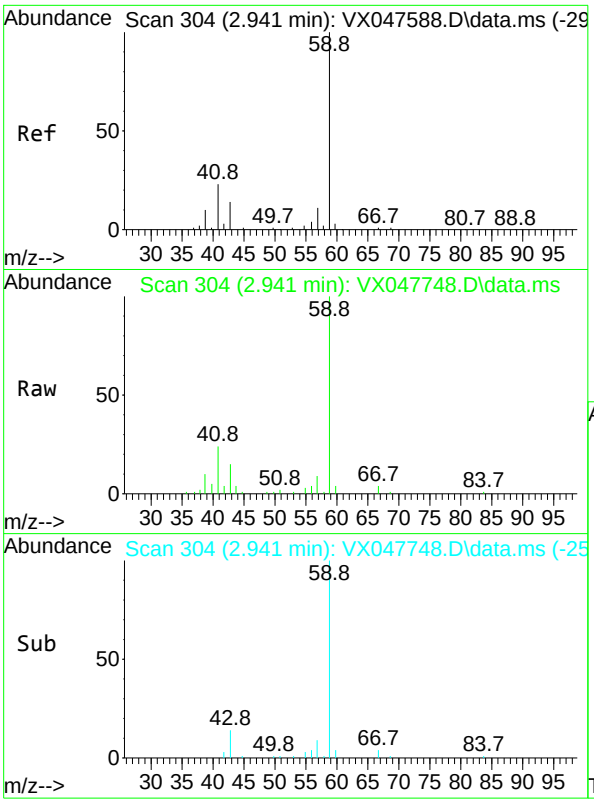




#10
Methyl Iodide
Concen: 20.040 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:142 Resp: 56731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.4 | 37.2 | 55.8 |
| 141 | 13.9 | 11.4 | 17.0 |

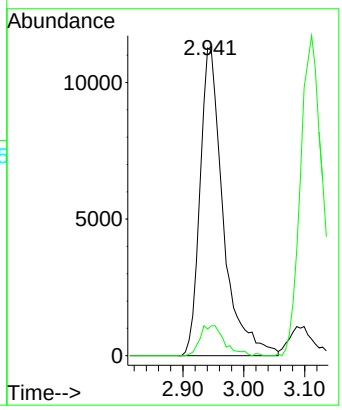





#11
Tert butyl alcohol
Concen: 107.025 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 59 Resp: 2977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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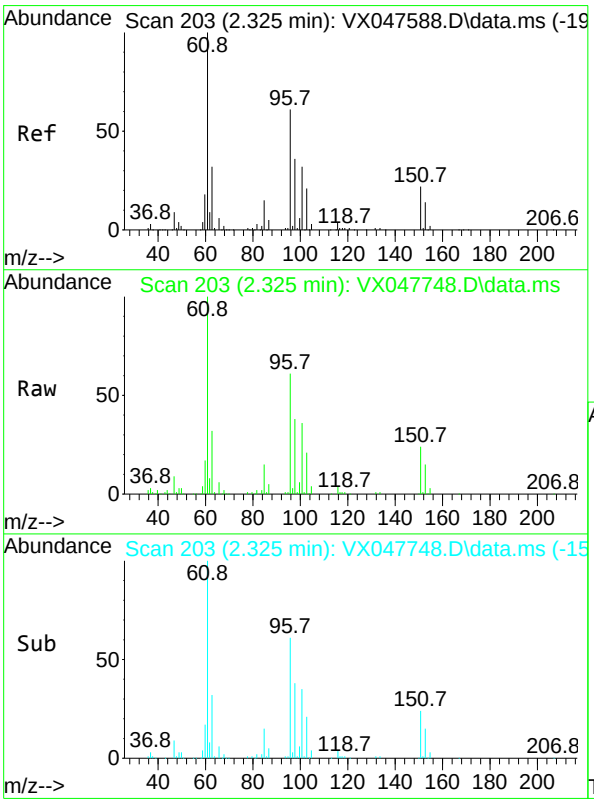
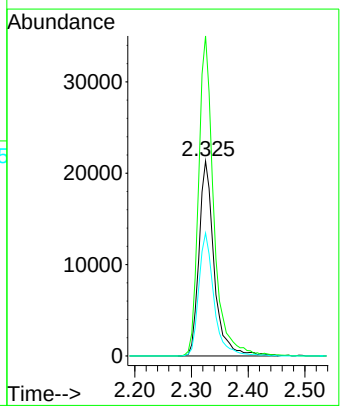
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

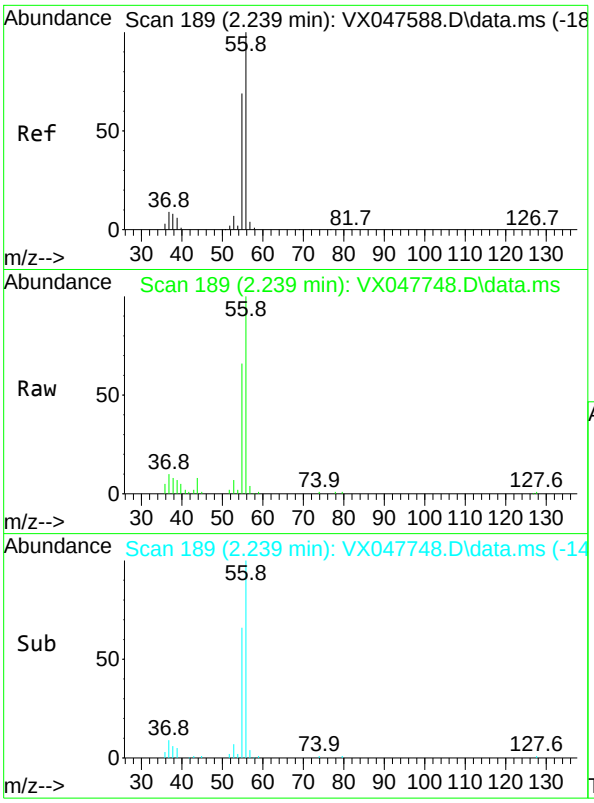



#12
1,1-Dichloroethene
Concen: 21.165 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 96 Resp: 39463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.2 | 131.0 | 196.6 |
| 98 | 63.1 | 47.7 | 71.5 |

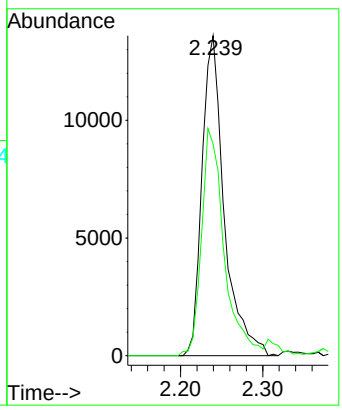





#13
Acrolein
Concen: 99.449 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 56 Resp: 2549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.0 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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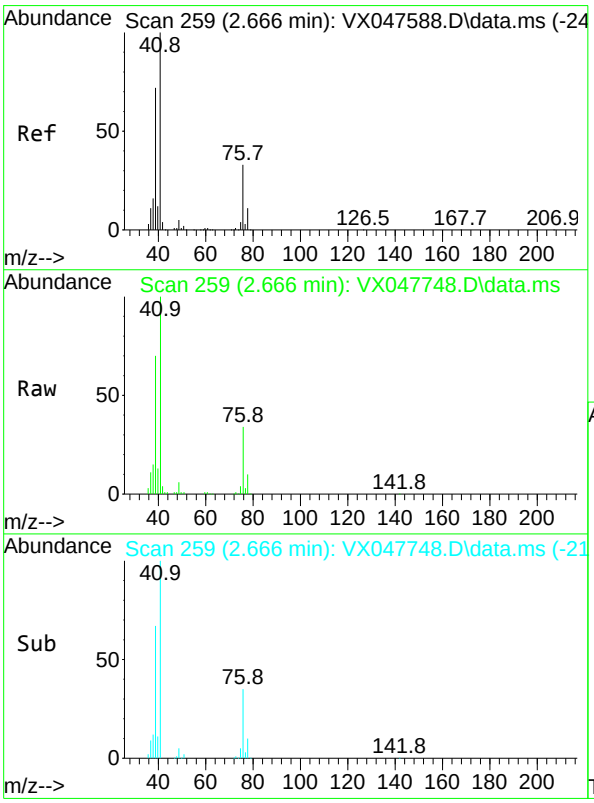
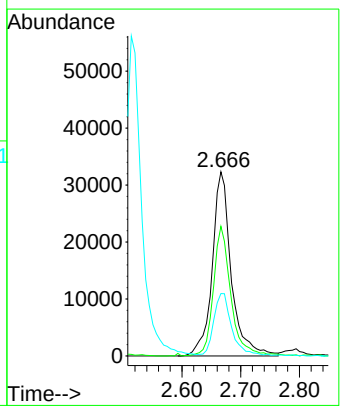
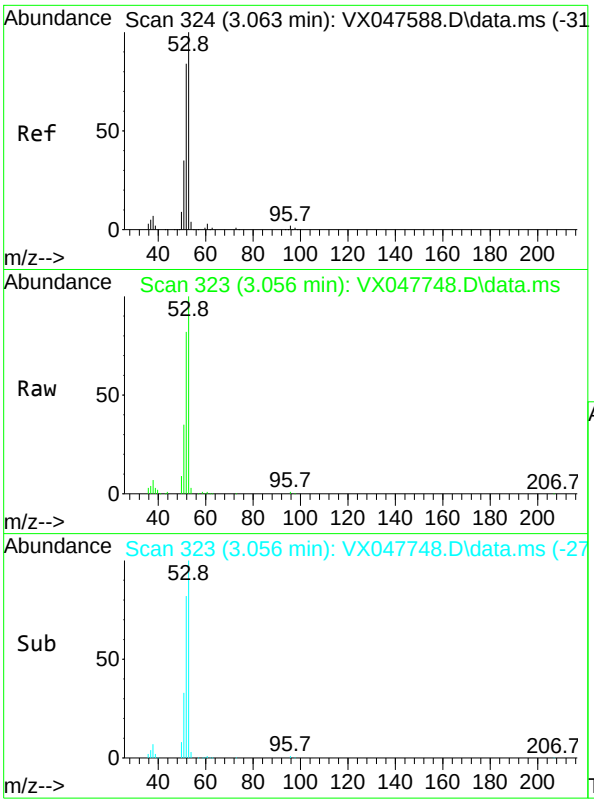



#14
Allyl chloride
Concen: 18.949 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 41 Resp: 72907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.0 | 54.7 | 82.1 |
| 76 | 31.9 | 25.7 | 38.5 |

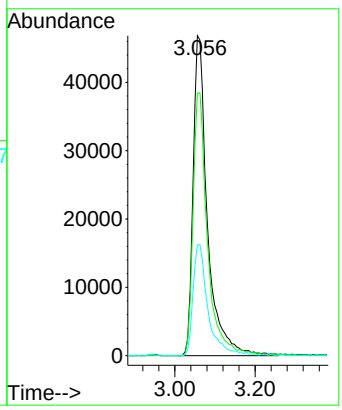





#15
Acrylonitrile
Concen: 113.065 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 53 Resp: 11651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 66.4 | 99.6 |
| 51 | 36.5 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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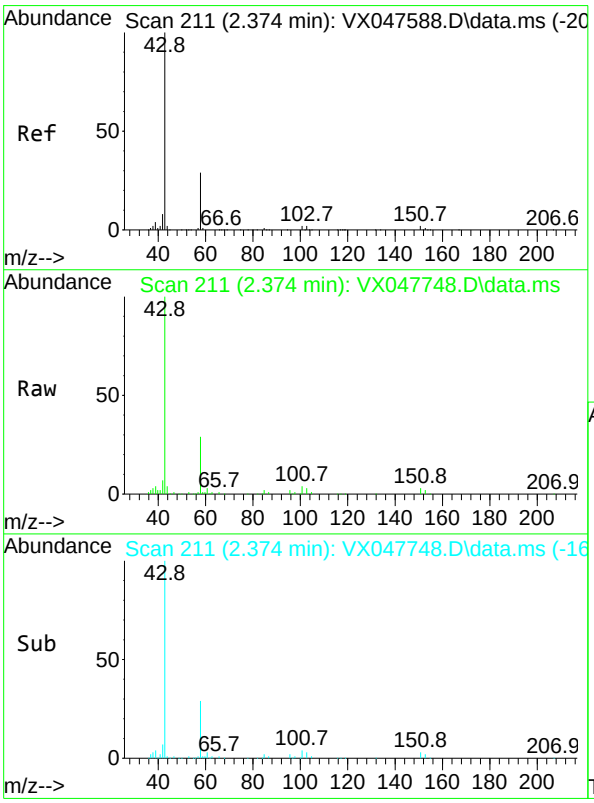
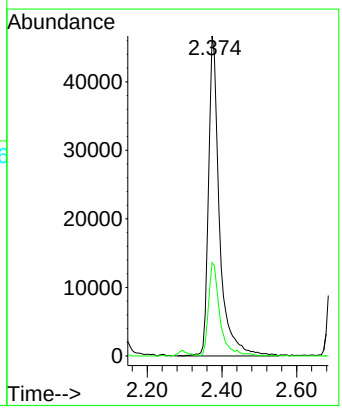
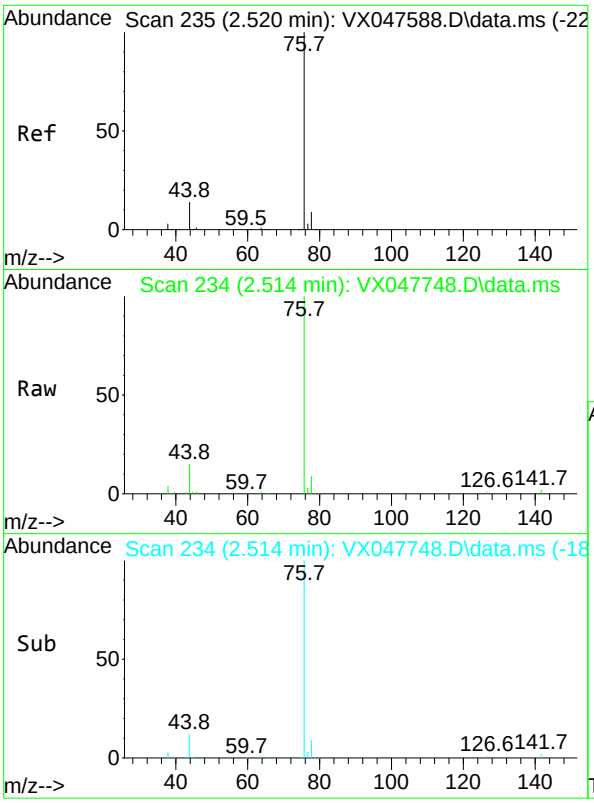



#16
Acetone
Concen: 87.685 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 95237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 23.4 | 35.0 |

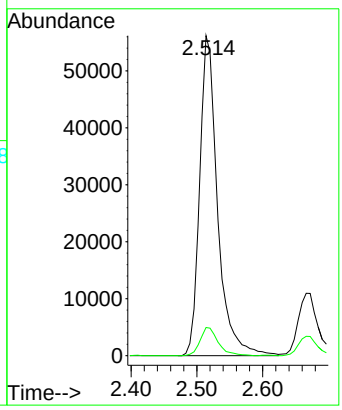





#17
Carbon Disulfide
Concen: 20.869 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 76 Resp: 10652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |




**Instrument :**
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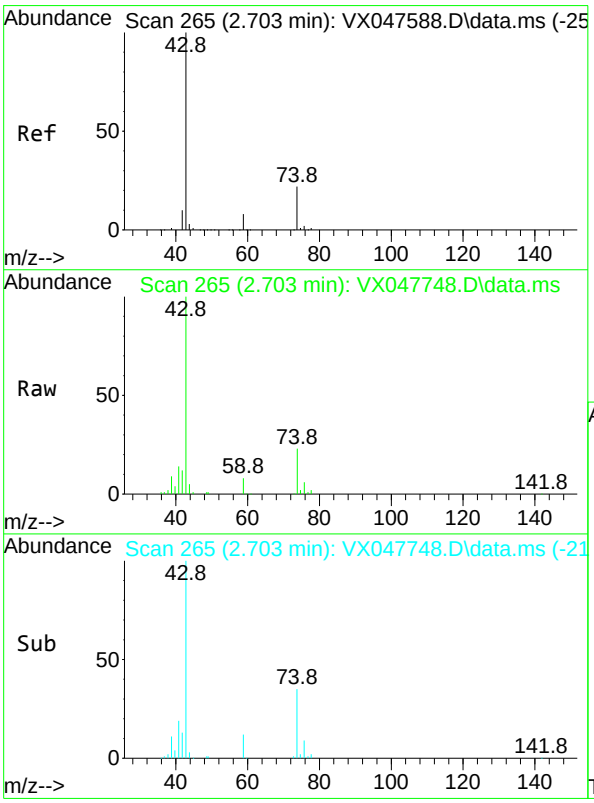
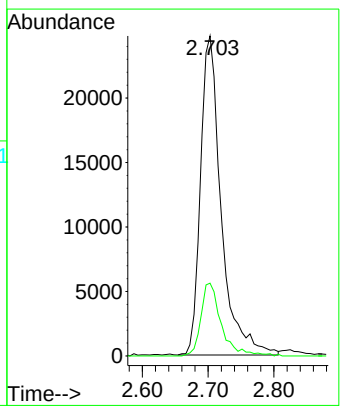
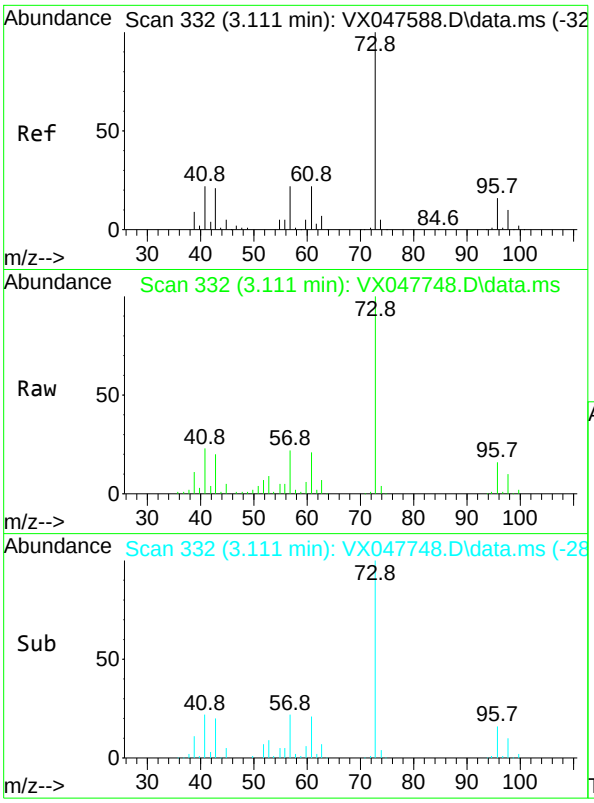



#18
Methyl Acetate
Concen: 22.400 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 54144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 17.4 | 26.2 |

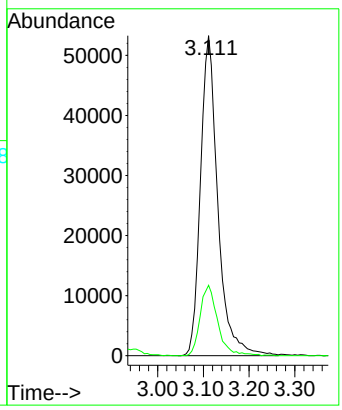





#19
Methyl tert-butyl Ether
Concen: 20.586 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 73 Resp: 14011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

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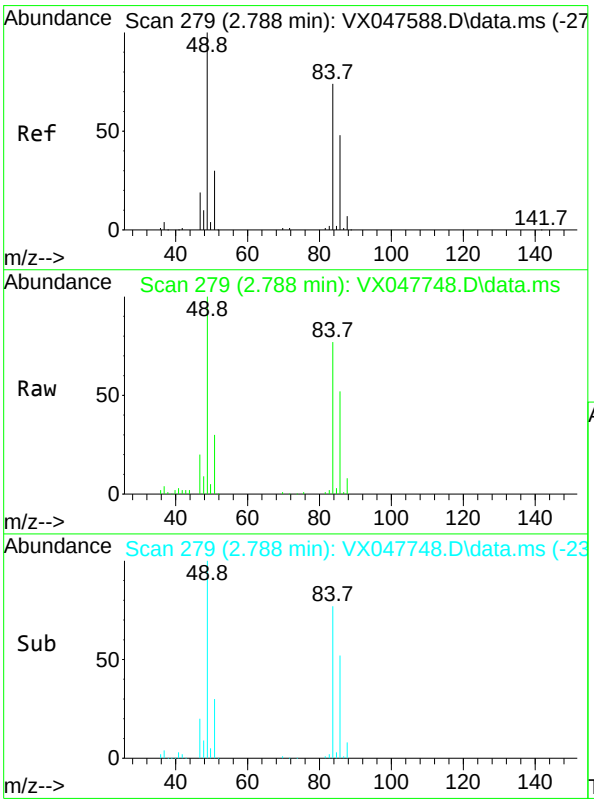
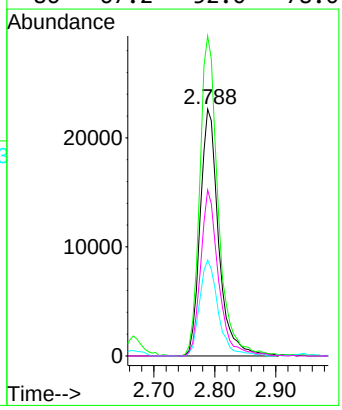
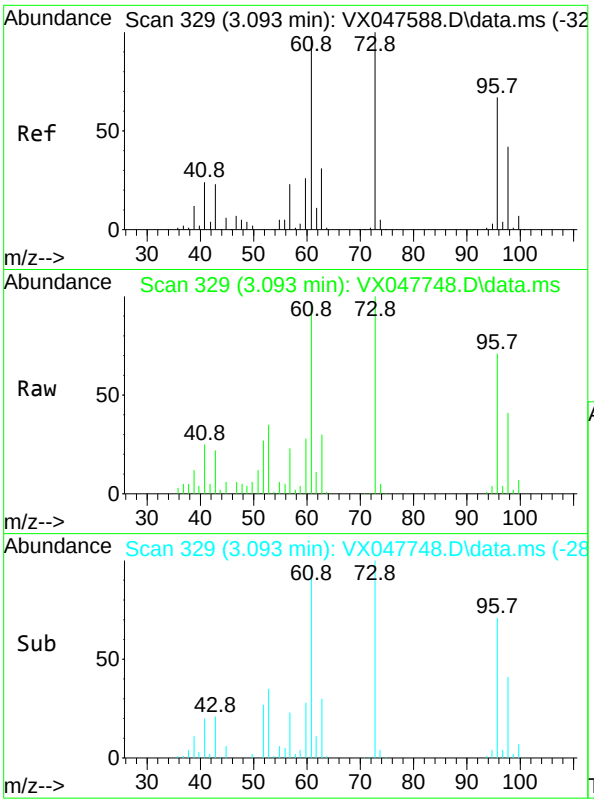



#20
Methylene Chloride
Concen: 20.740 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 84 Resp: 47681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.6 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 67.2 | 52.0 | 78.0 |

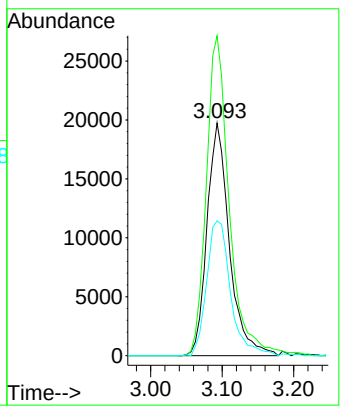





#21
trans-1,2-Dichloroethene
Concen: 21.362 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 96 Resp: 4288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.6 | 116.2 | 174.2 |
| 98 | 58.0 | 49.3 | 73.9 |

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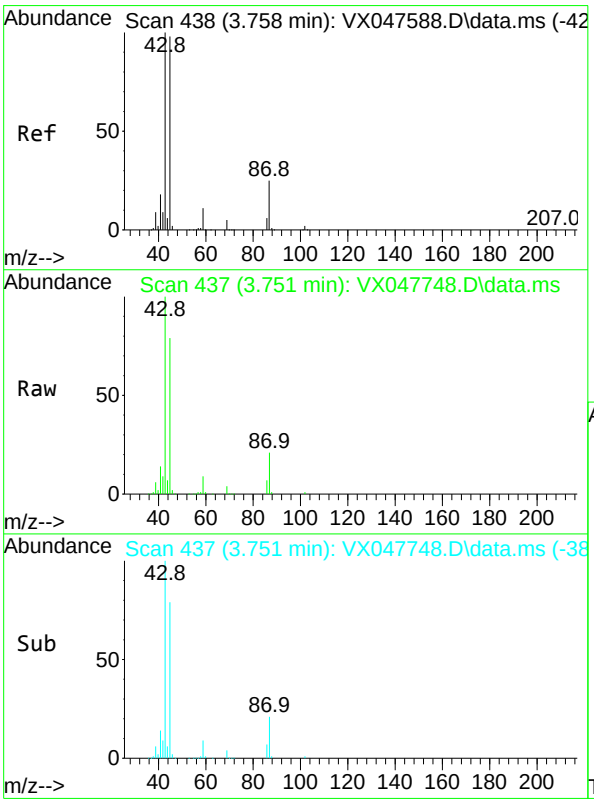
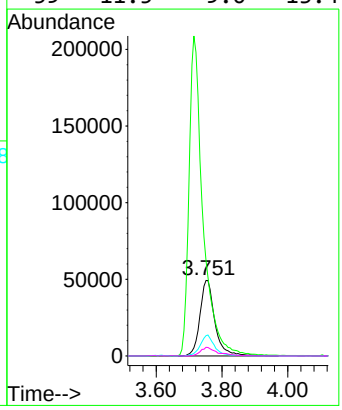
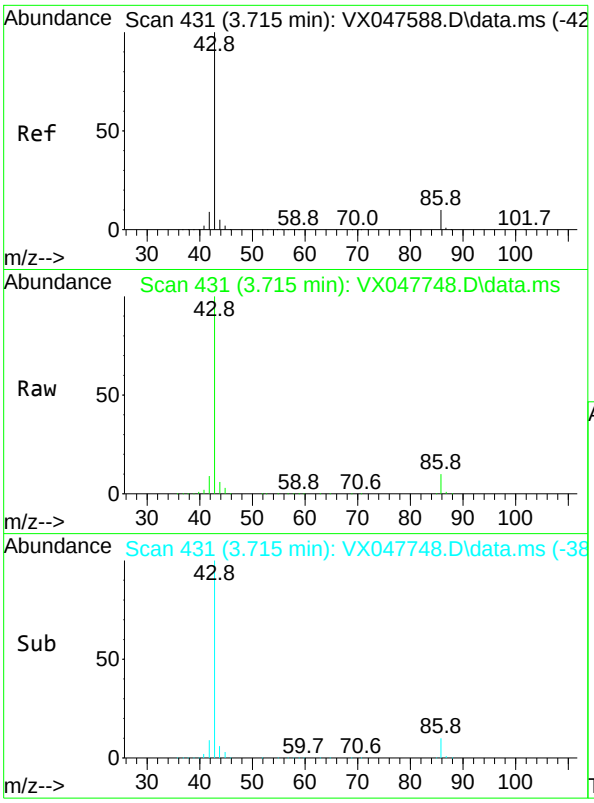



#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 45 Resp: 155798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 125.6 | 81.0 | 121.4# |
| 87 | 26.9 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 103.461 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 61743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
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VX0923WBS03

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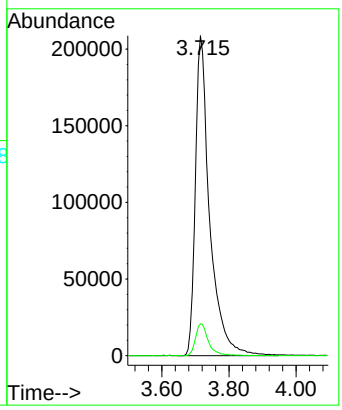
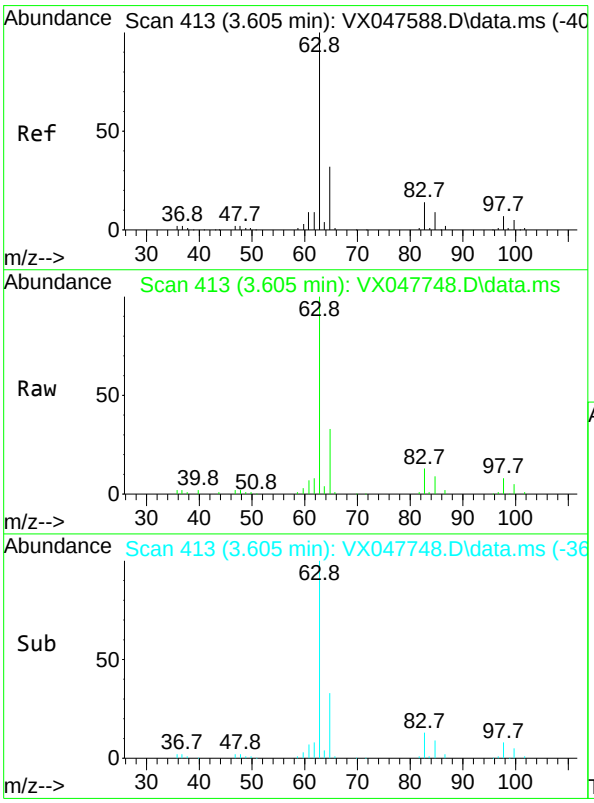
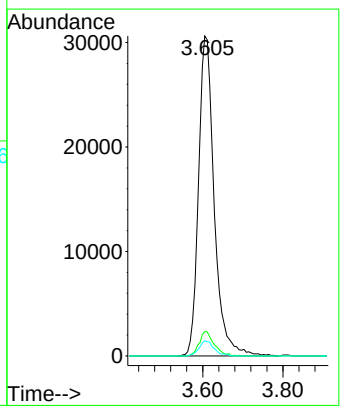


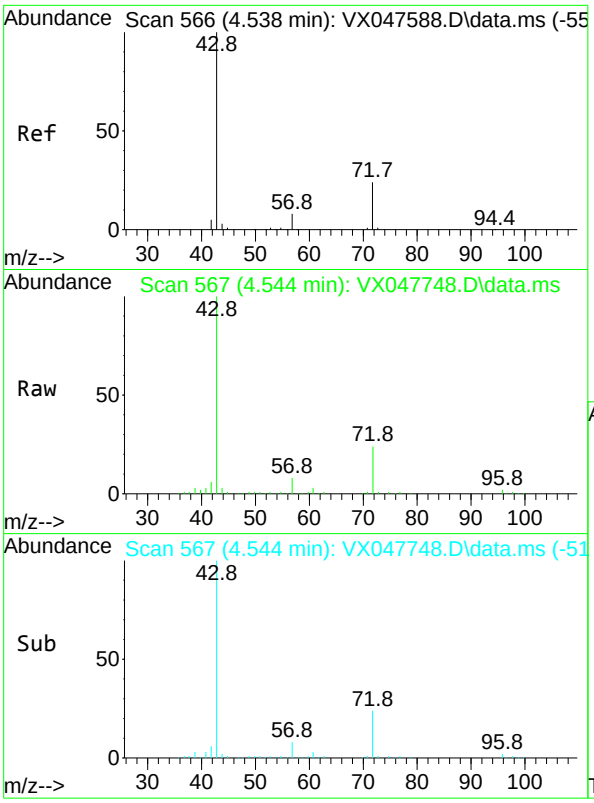




#24
1,1-Dichloroethane
Concen: 21.012 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 63 Resp: 83274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.8 | 11.2 |
| 100 | 4.8 | 2.3 | 6.9 |

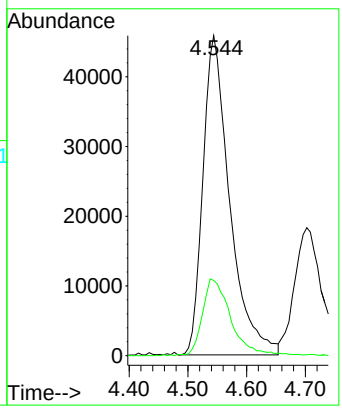





#25
2-Butanone
Concen: 106.972 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 14492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.3 | 20.1 | 30.1 |

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MSVOA_X
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VX0923WBS03

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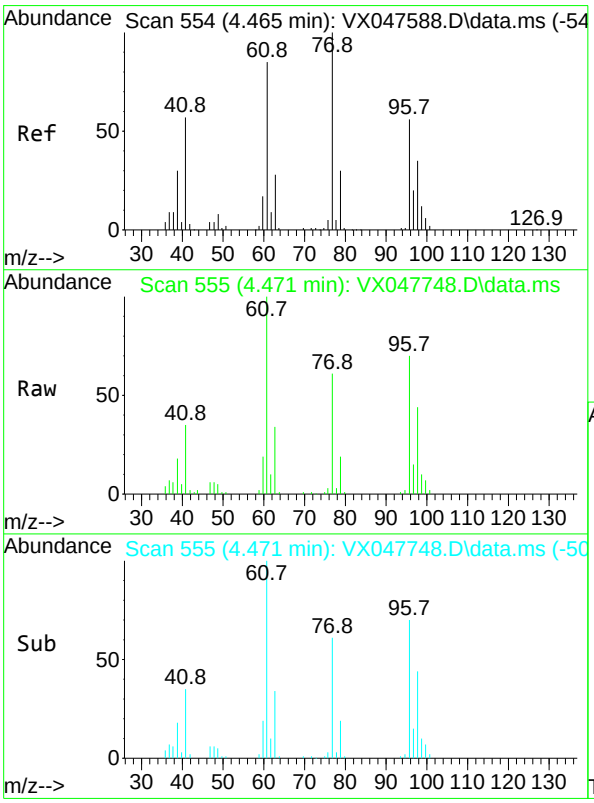
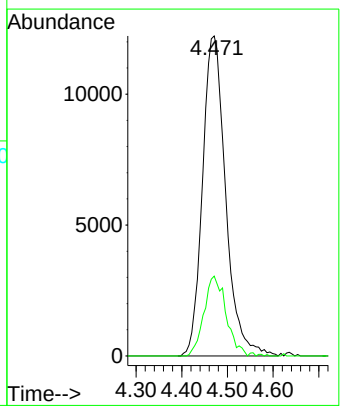
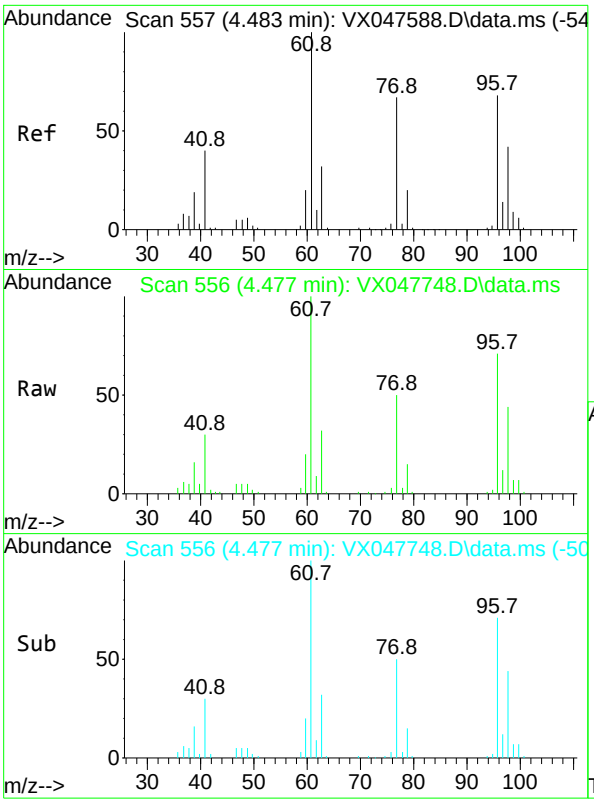



#26
2,2-Dichloropropane
Concen: 13.043 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 77 Resp: 42968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.7 | 10.9 | 32.7 |

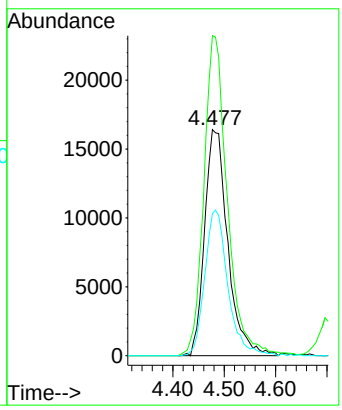





#27
cis-1,2-Dichloroethene
Concen: 20.894 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 96 Resp: 5136

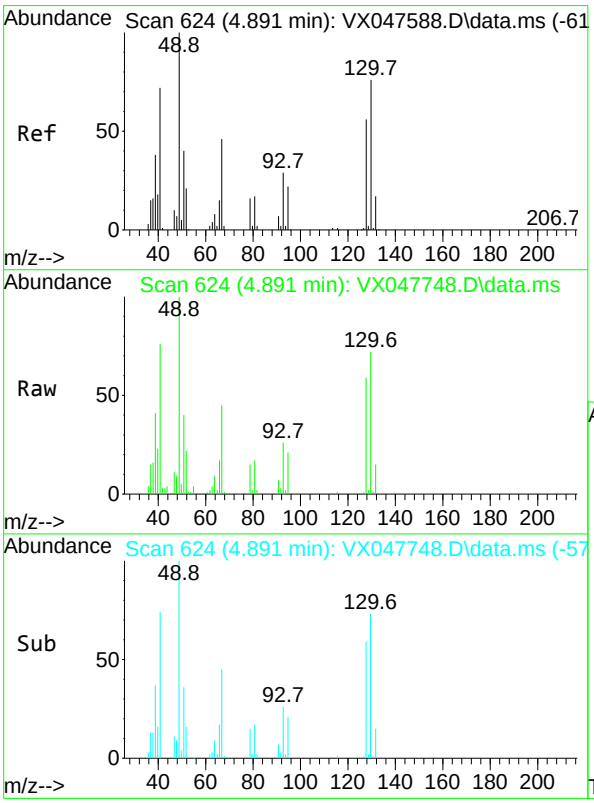
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.1 | 0.0 | 303.2 |
| 98 | 64.2 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

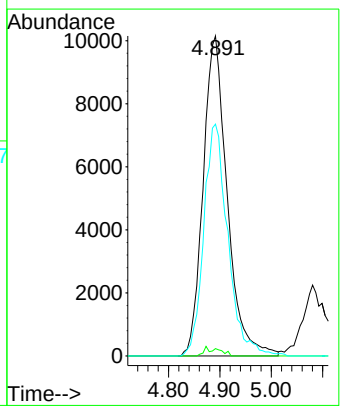
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

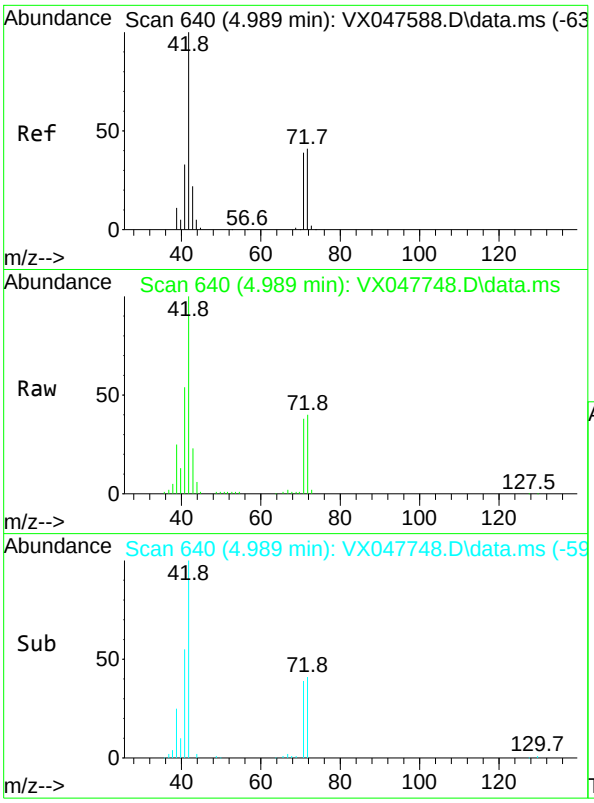



#28
Bromochloromethane
Concen: 19.085 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 49 Resp: 33021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.9 | 0.0 | 3.2 |
| 130 | 72.6 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 114.248 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

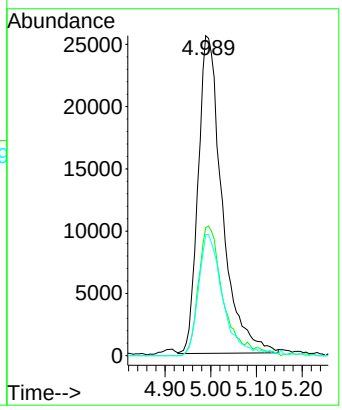
Tgt Ion: 42 Resp: 9311

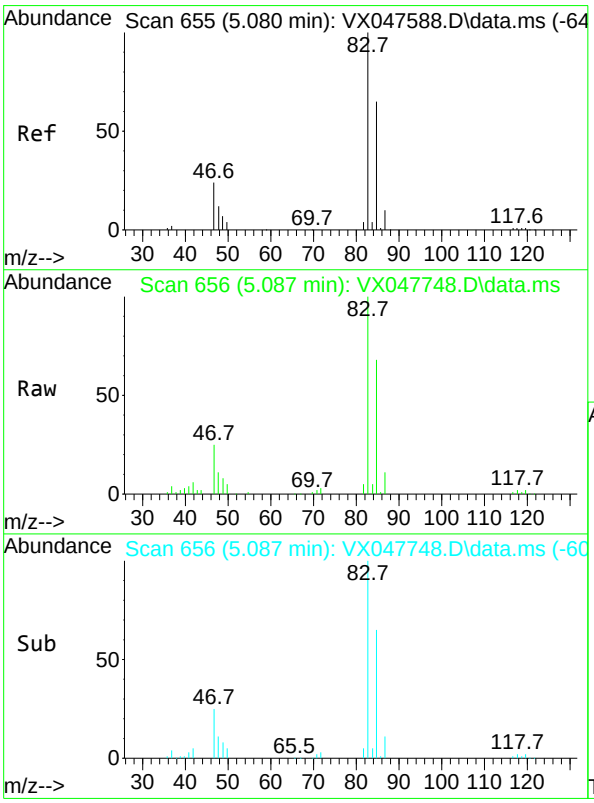
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 34.2 | 51.2 |
| 71 | 39.0 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

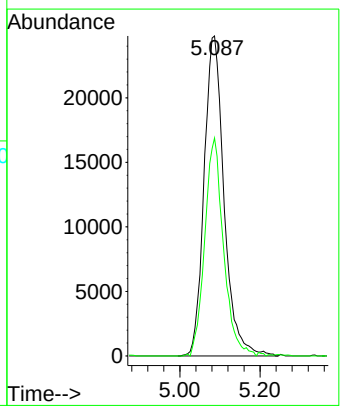


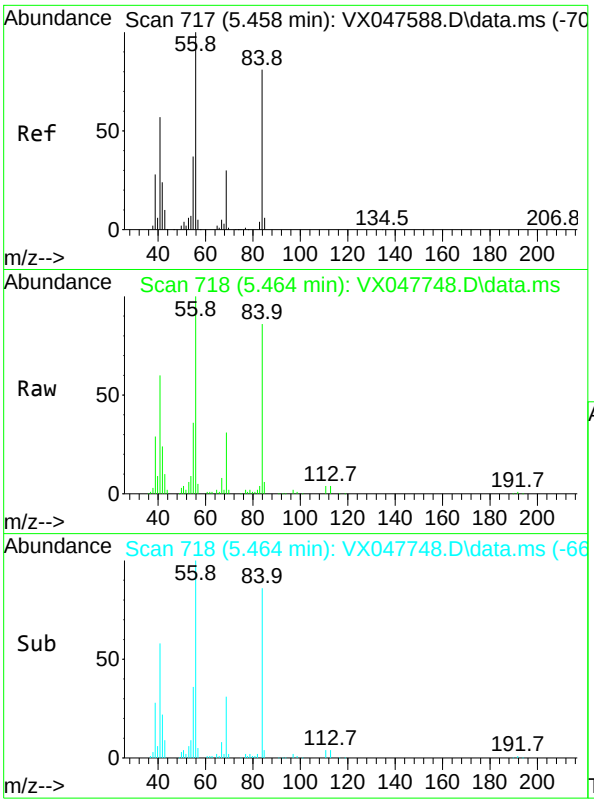




#30
Chloroform
Concen: 21.345 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 83 Resp: 85486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.1 | 51.8 | 77.6 |






#31
Cyclohexane
Concen: 20.939 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 56 Resp: 6911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 23.8 | 35.8 |
| 84 | 84.6 | 64.6 | 97.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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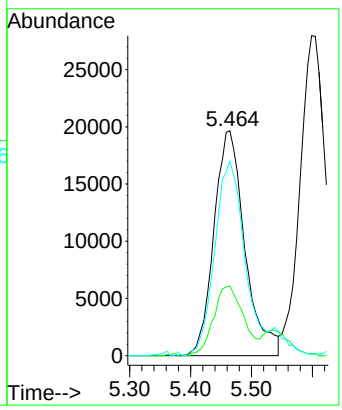
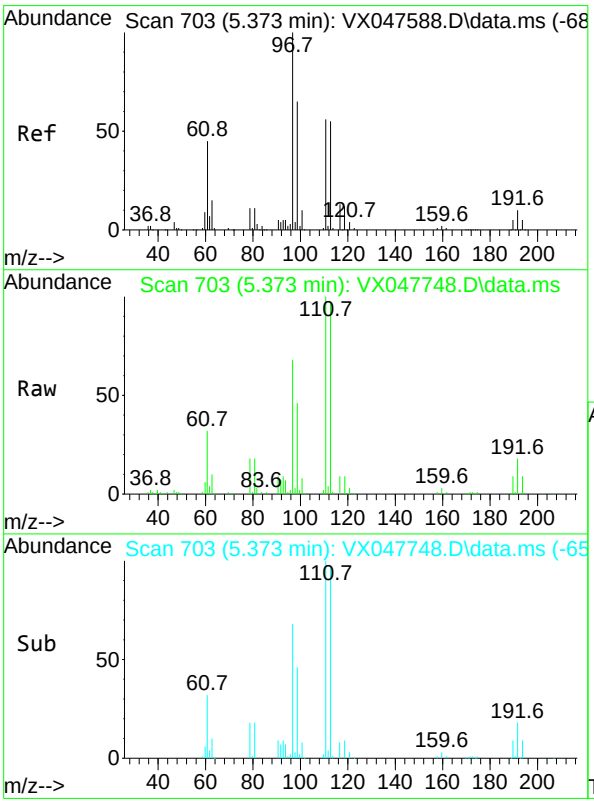
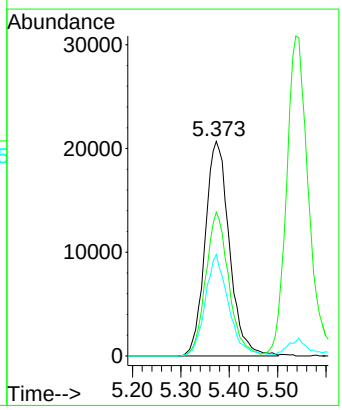


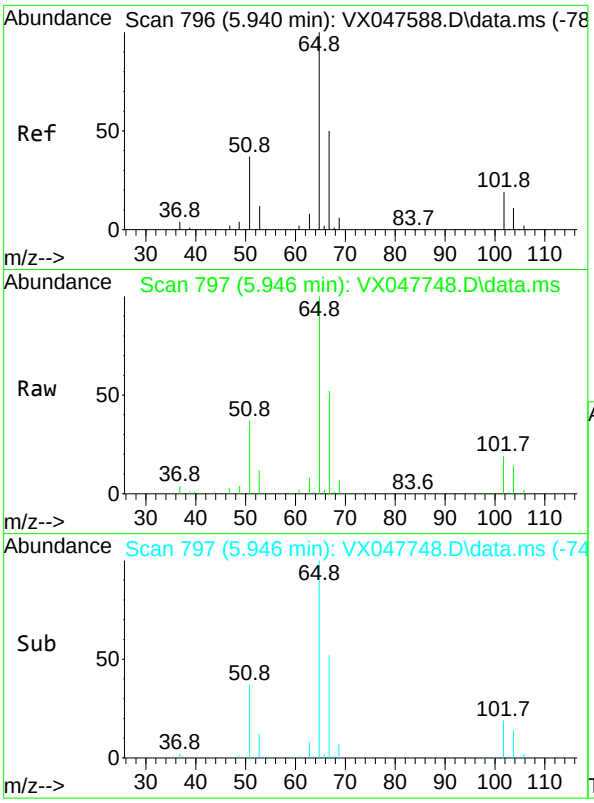




#32
1,1,1-Trichloroethane
Concen: 21.168 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 97 Resp: 71907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 45.4 | 35.8 | 53.8 |

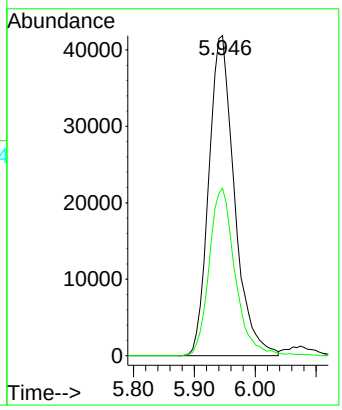





#33
1,2-Dichloroethane-d4
Concen: 48.994 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 65 Resp: 12238

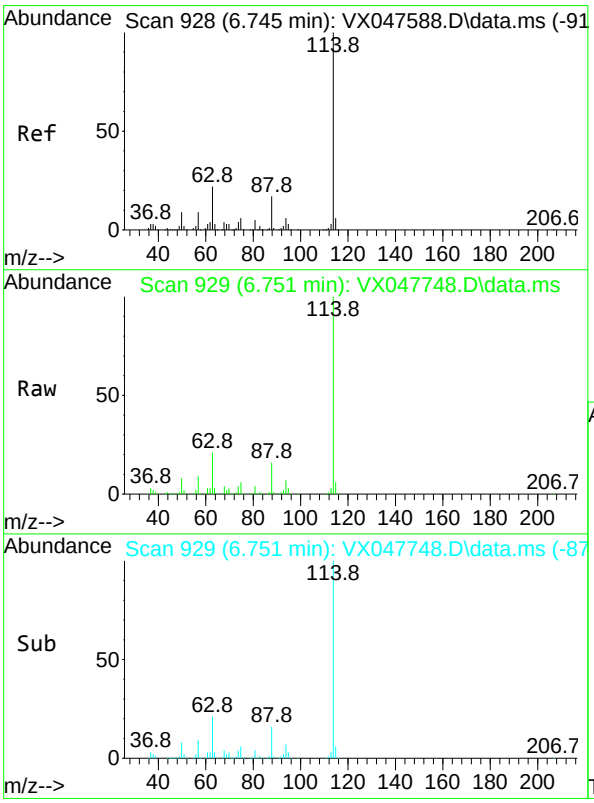
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

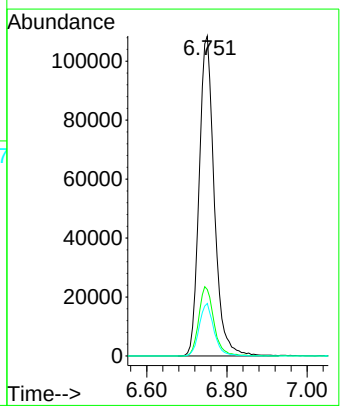
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

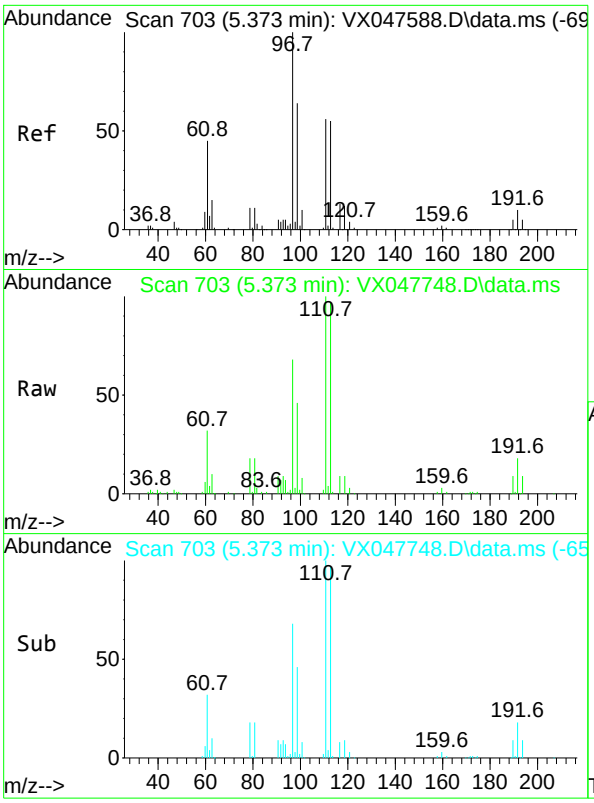



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:114 Resp: 284011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |

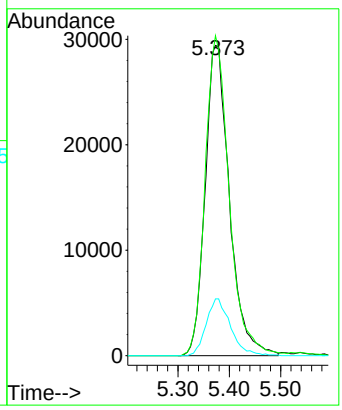





#35
Dibromofluoromethane
Concen: 50.711 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:113 Resp: 9659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 80.9 | 121.3 |
| 192 | 18.4 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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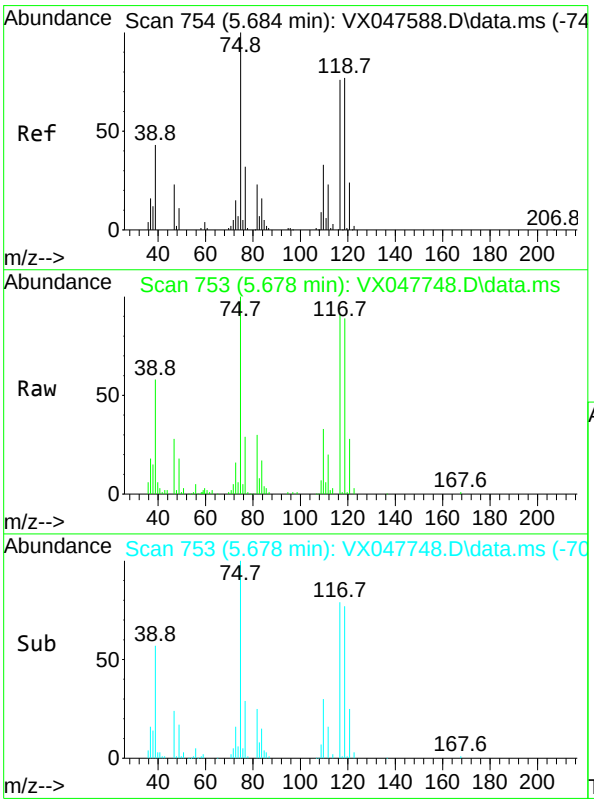
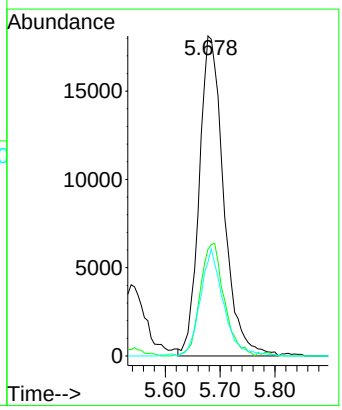
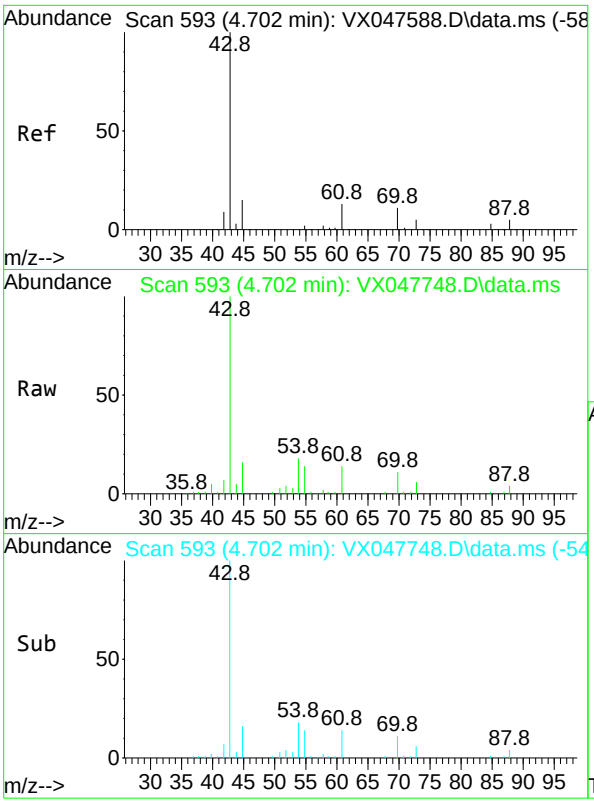



#36
1,1-Dichloropropene
Concen: 20.197 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 56214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 31.5 | 24.3 | 36.5 |






#37
Ethyl Acetate
Concen: 21.220 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 6323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 10.2 | 7.9 | 11.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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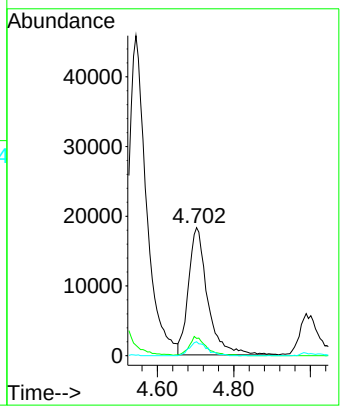
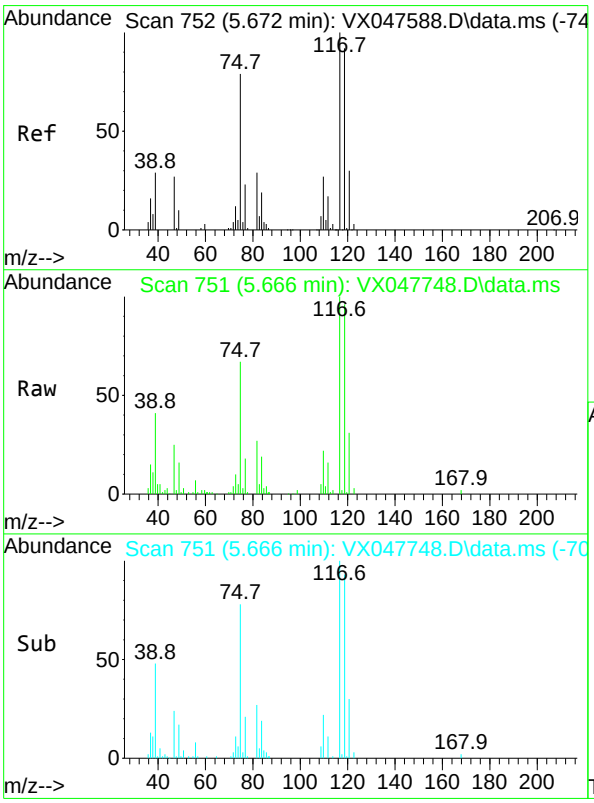
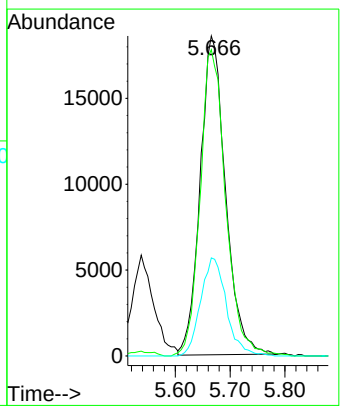


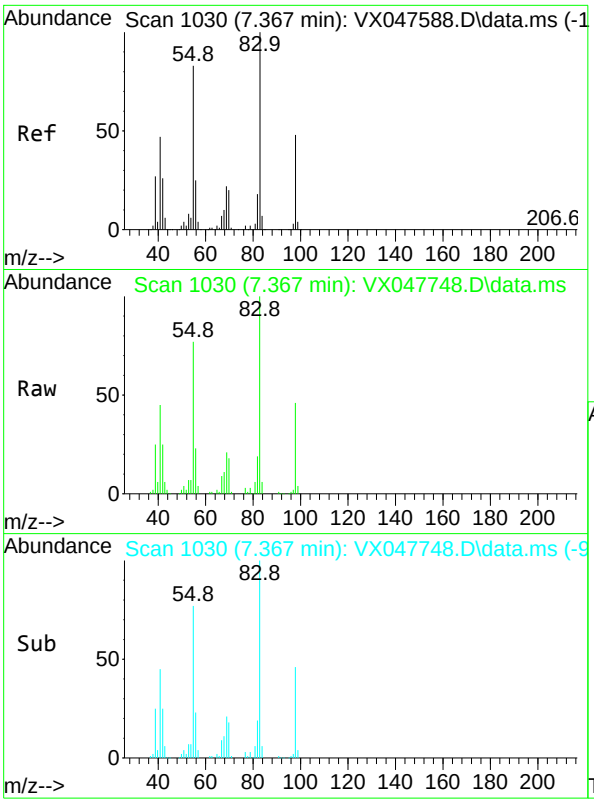




#38
Carbon Tetrachloride
Concen: 19.672 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:117 Resp: 59490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 73.4 | 110.2 |
| 121 | 30.8 | 23.8 | 35.6 |






#39
Methylcyclohexane
Concen: 20.138 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 83 Resp: 6362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 66.4 | 99.6 |
| 98 | 45.6 | 38.1 | 57.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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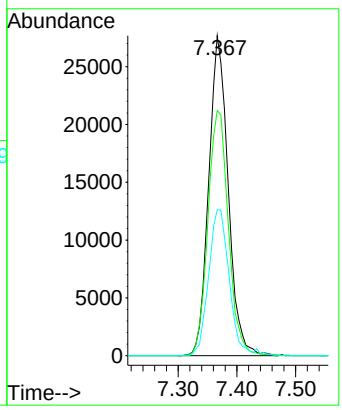
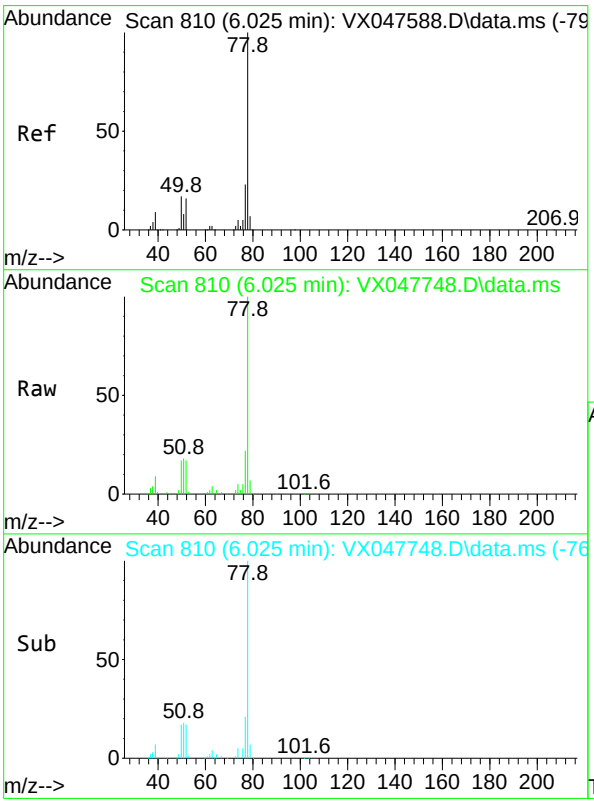
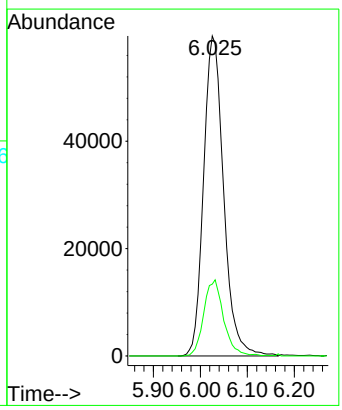


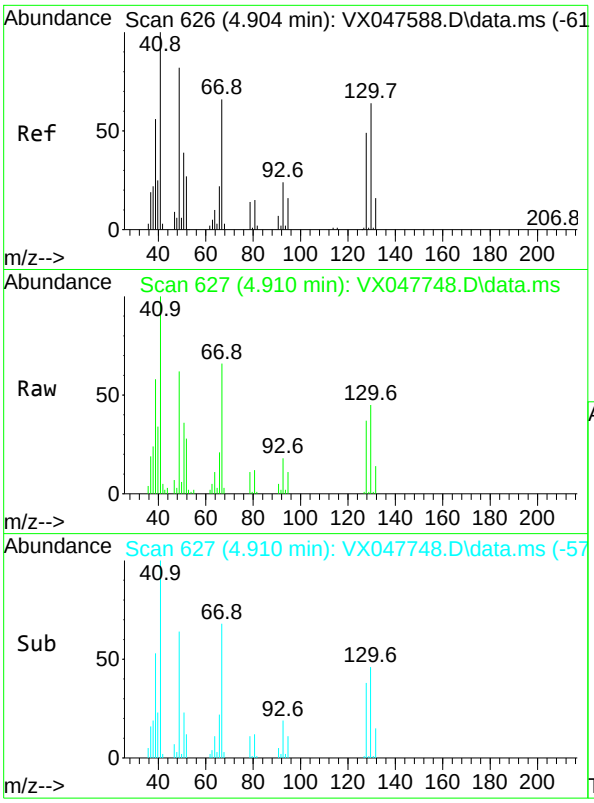




#40
Benzene
Concen: 20.873 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 78 Resp: 176451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 18.8 | 28.2 |

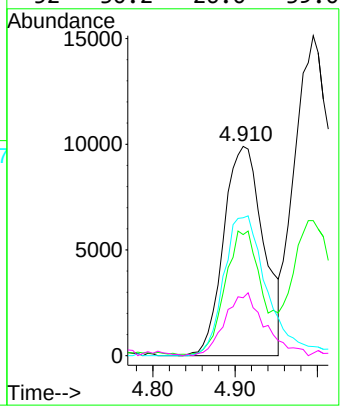





#41
Methacrylonitrile
Concen: 21.696 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 41 Resp: 3337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 30.2 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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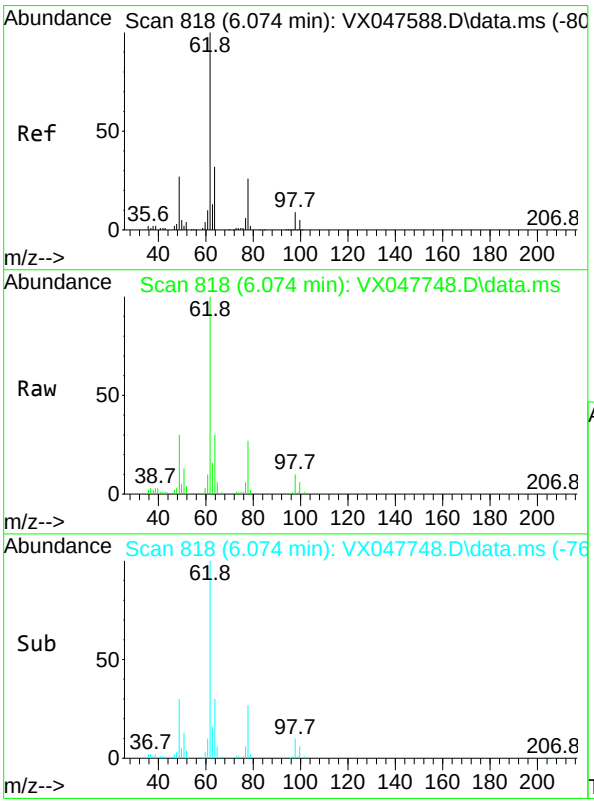
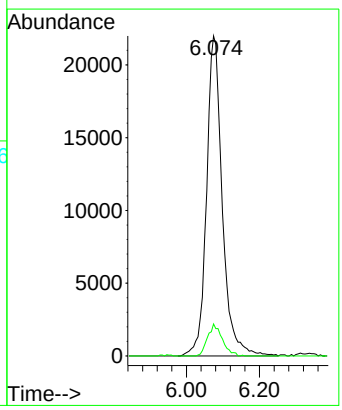
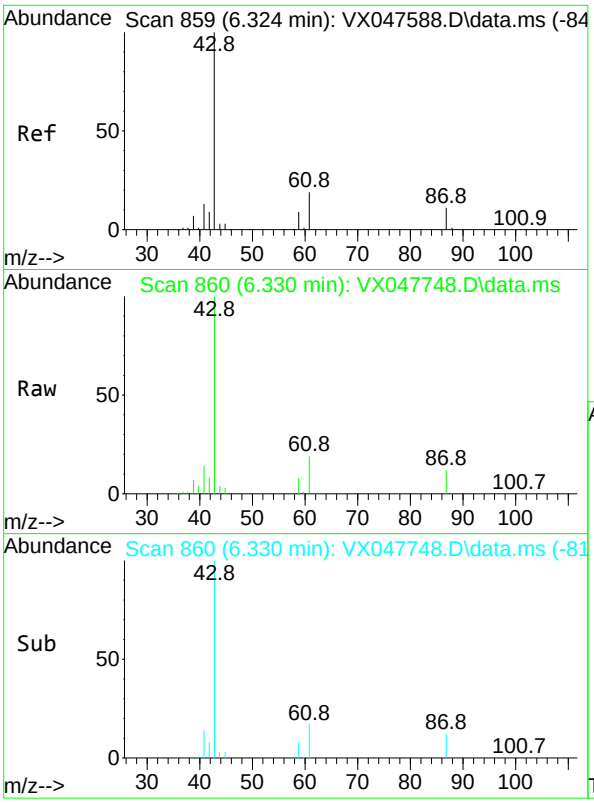



#42
1,2-Dichloroethane
Concen: 20.366 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 62 Resp: 65506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.0 |

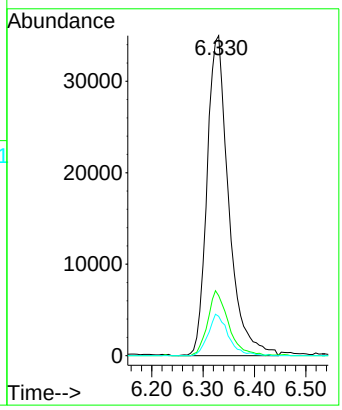





#43
Isopropyl Acetate
Concen: 20.917 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 10223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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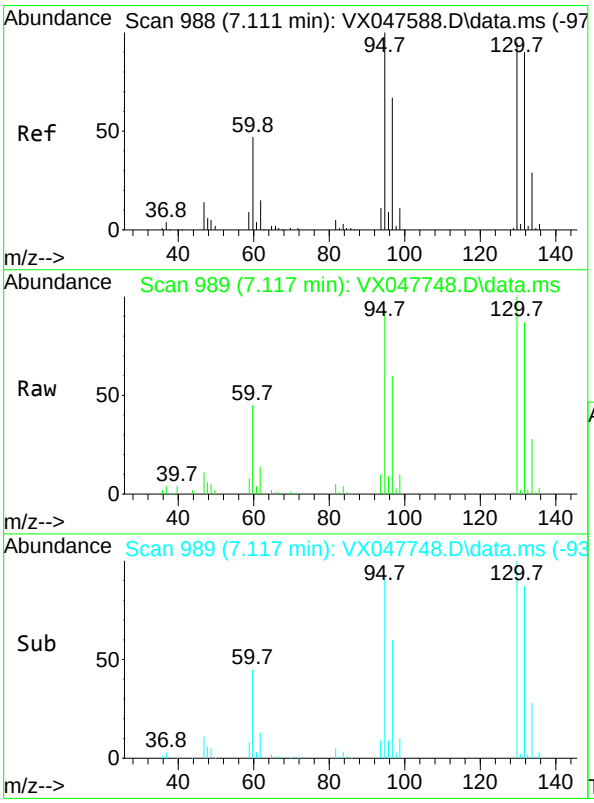
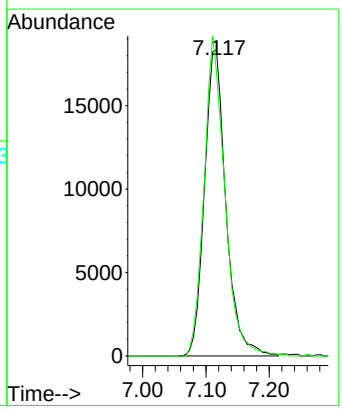
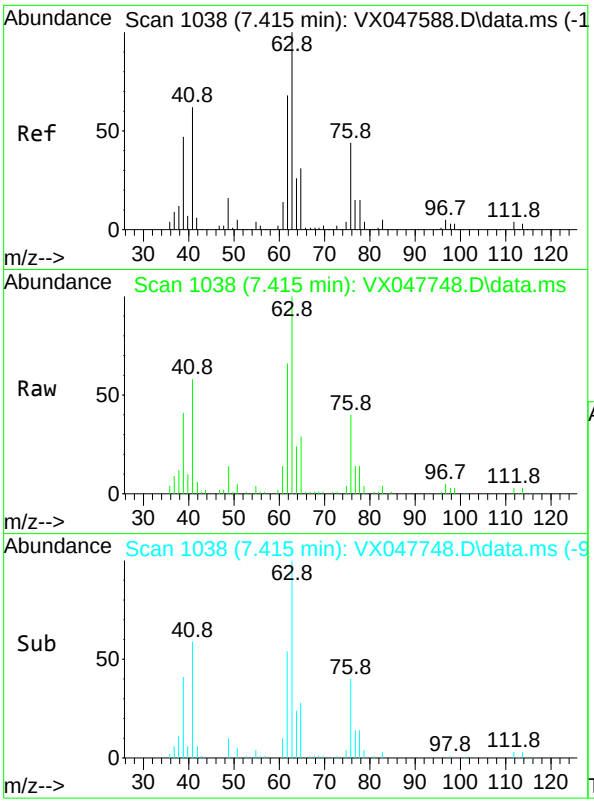



#44
Trichloroethene
Concen: 21.254 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:130 Resp: 43438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.9 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 21.024 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

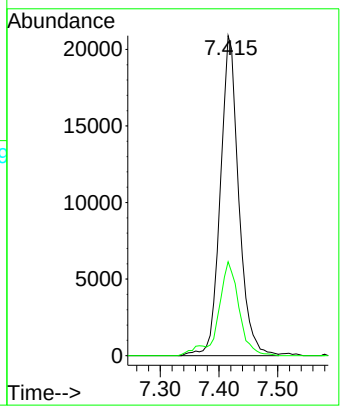
Tgt Ion: 63 Resp: 4550

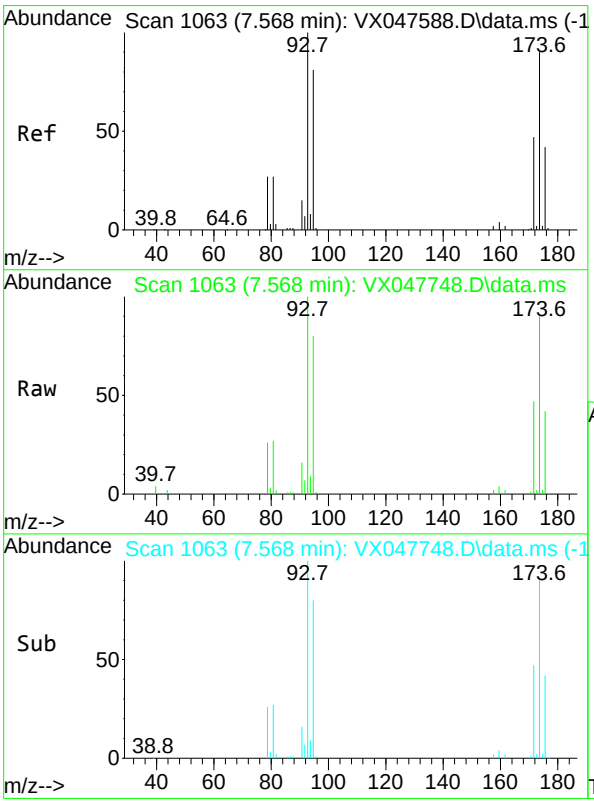
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

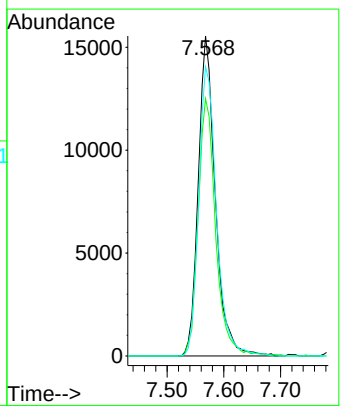


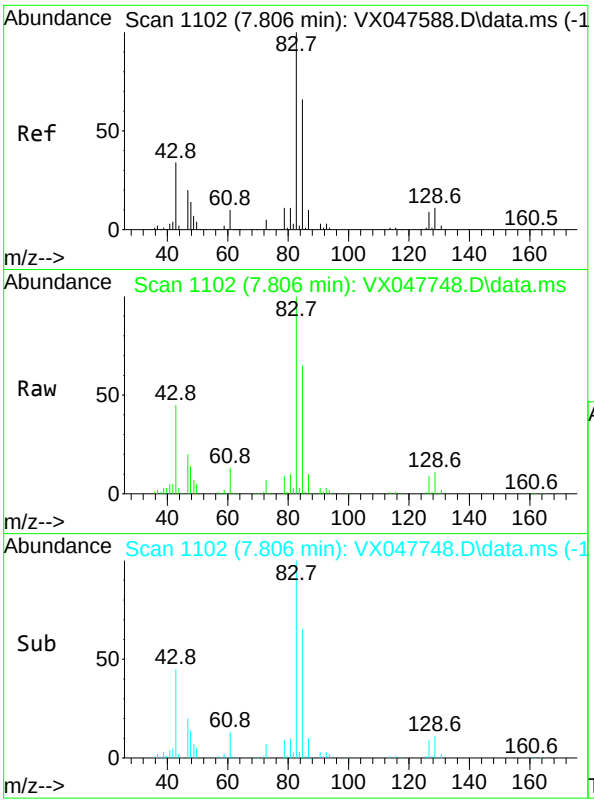




#46
Dibromomethane
Concen: 20.725 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 93 Resp: 32646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 93.9 | 71.6 | 107.4 |

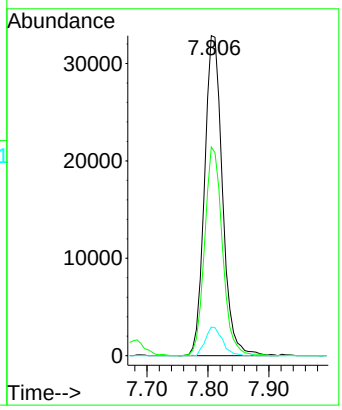





#47
Bromodichloromethane
Concen: 20.681 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 83 Resp: 6722

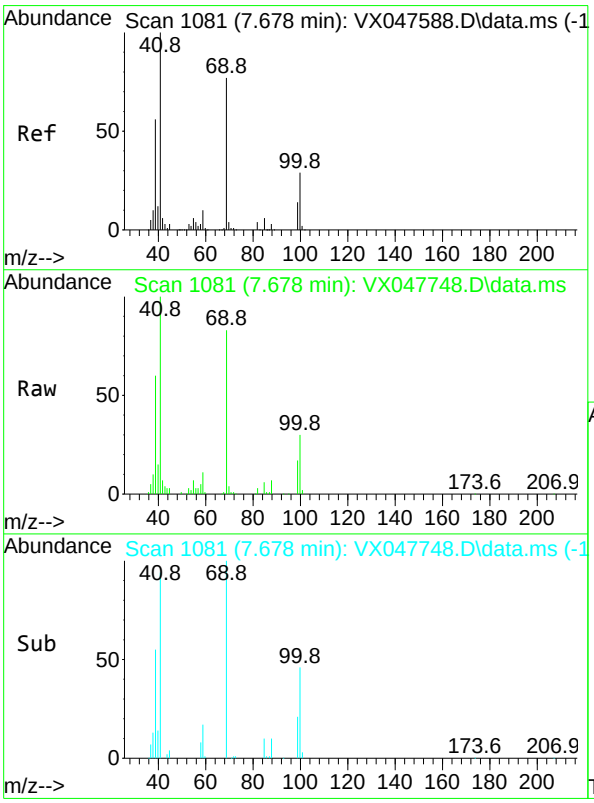
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.2 | 52.5 | 78.7 |
| 127 | 8.9 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

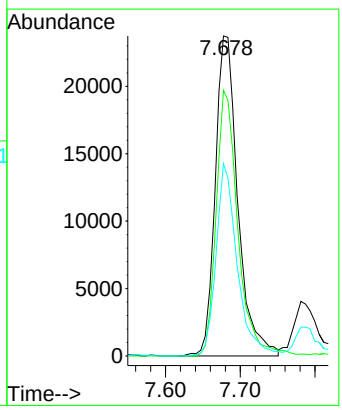
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

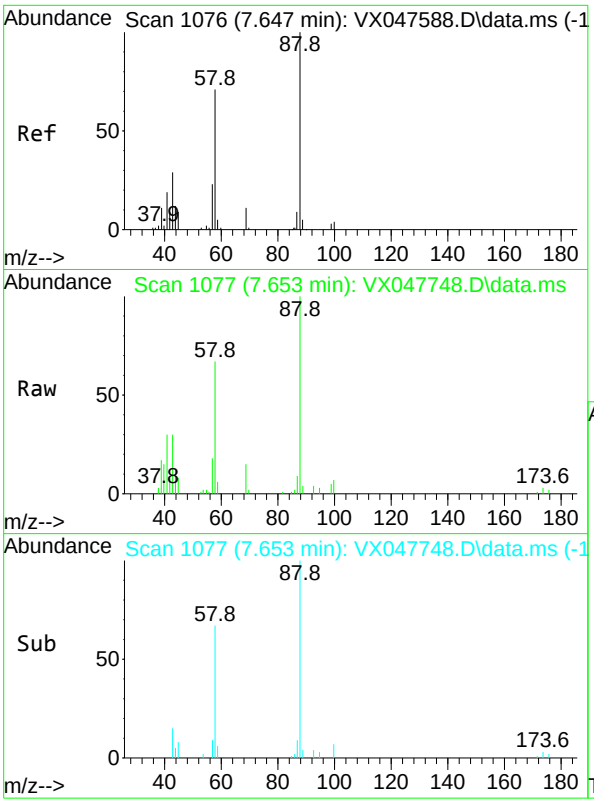



#48
Methyl methacrylate
Concen: 20.524 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 41 Resp: 49967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 61.4 | 92.2 |
| 39 | 56.5 | 45.8 | 68.6 |

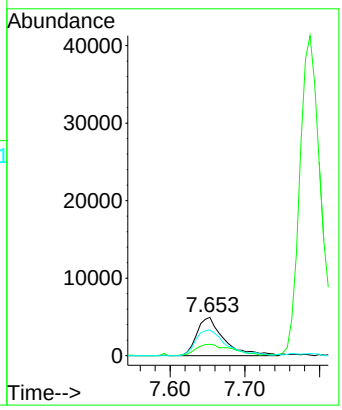





#49
1,4-Dioxane
Concen: 503.790 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 88 Resp: 1239

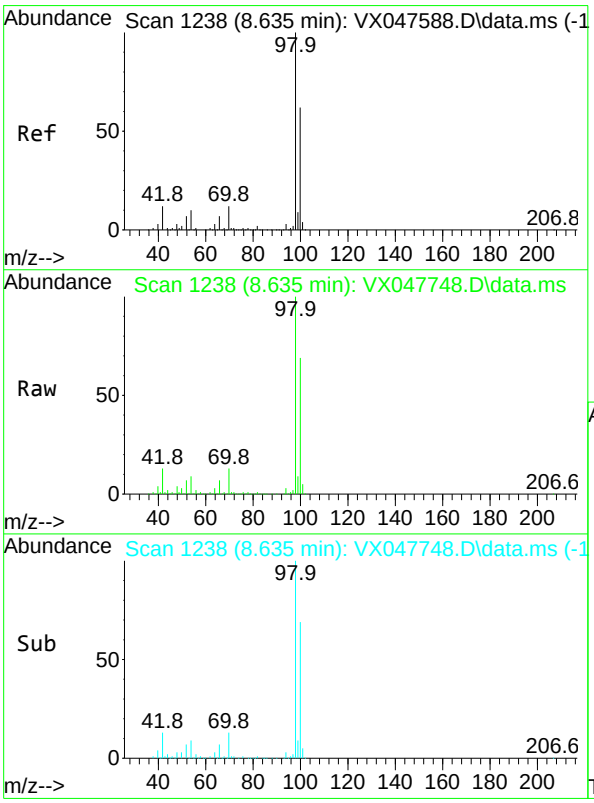
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.4 | 30.2 | 45.2 |
| 58 | 75.2 | 59.5 | 89.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

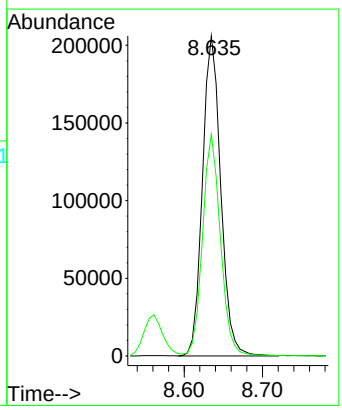
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

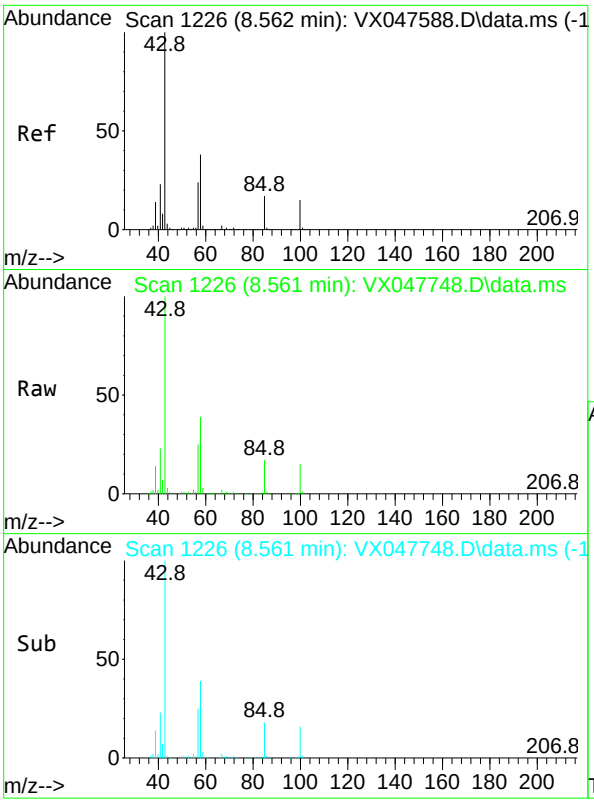



#50
Toluene-d8
Concen: 50.607 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 98 Resp: 333541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |

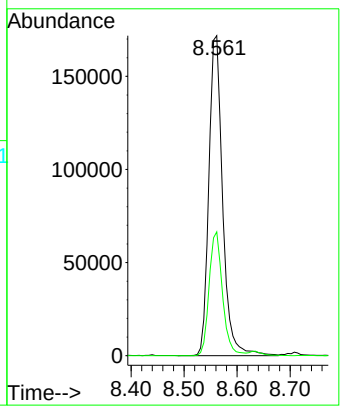





#51
4-Methyl-2-Pentanone
Concen: 114.468 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 31019

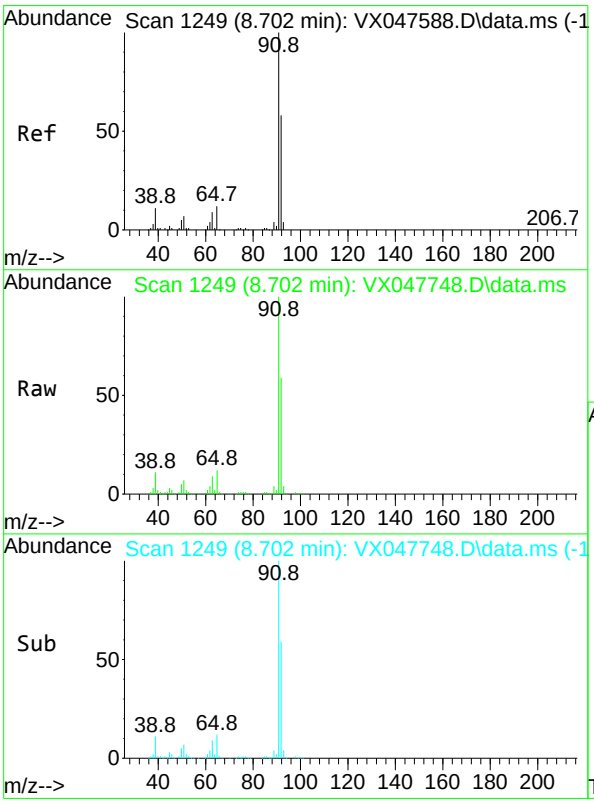
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

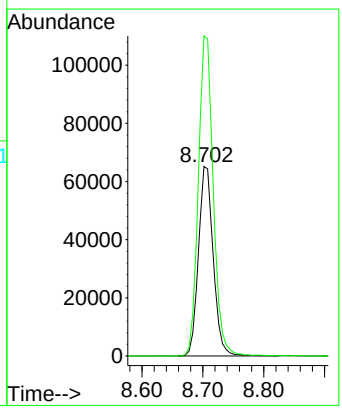
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

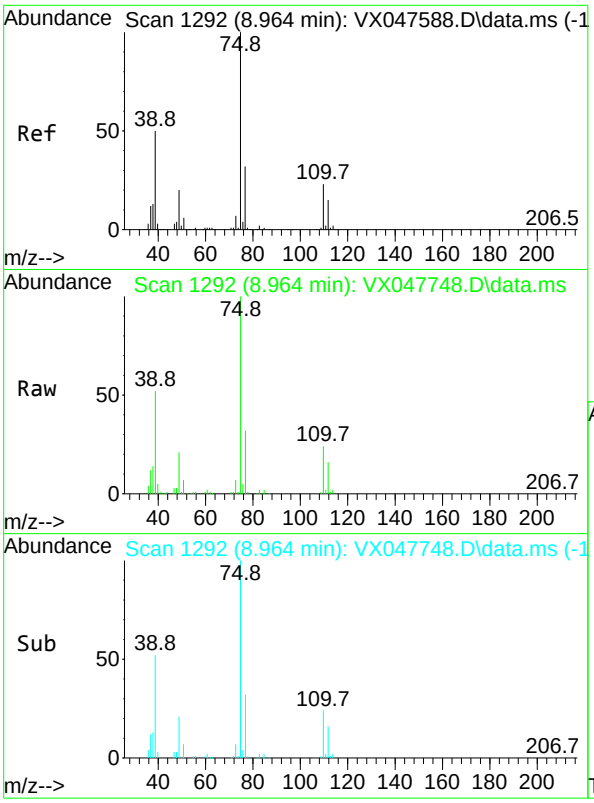



#52
Toluene
Concen: 21.098 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 92 Resp: 109881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.9 | 137.1 | 205.7 |

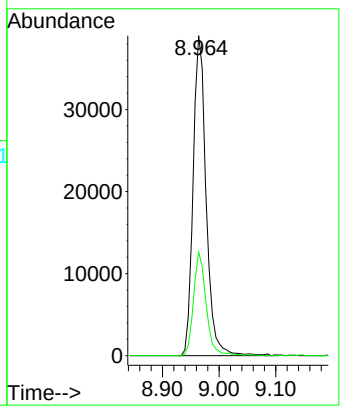





#53
t-1,3-Dichloropropene
Concen: 18.780 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 6226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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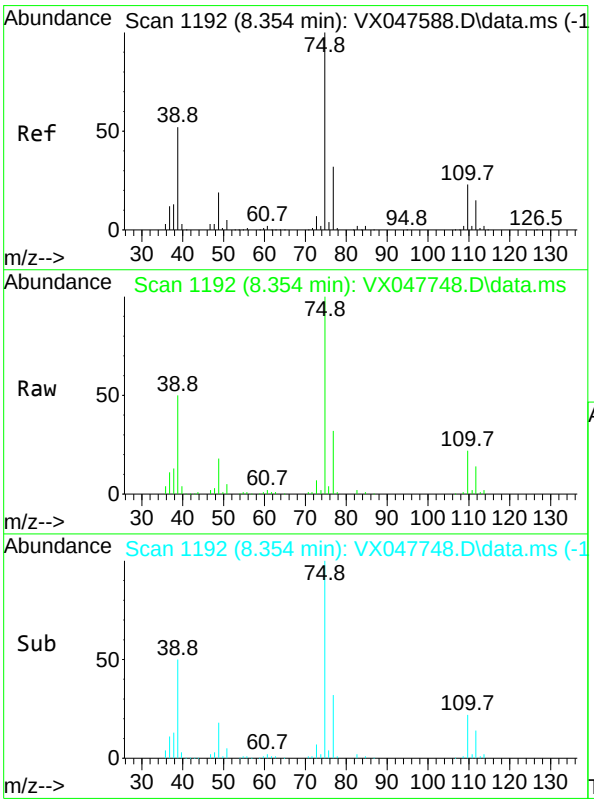
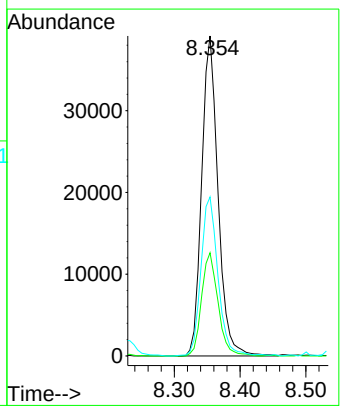
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

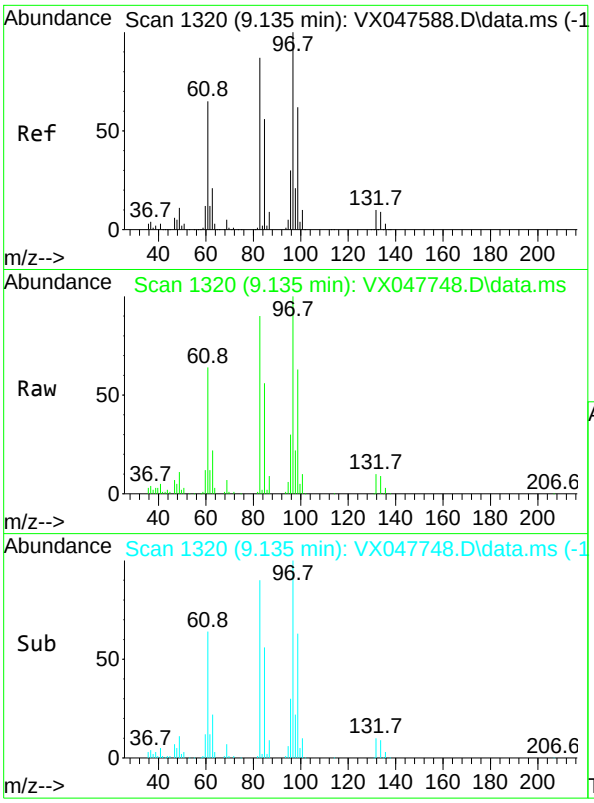



#54
cis-1,3-Dichloropropene
Concen: 19.135 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 67811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.8 | 38.6 |
| 39 | 49.5 | 41.4 | 62.2 |

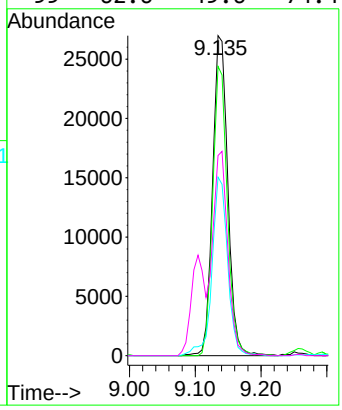





#55
1,1,2-Trichloroethane
Concen: 21.677 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 97 Resp: 4353

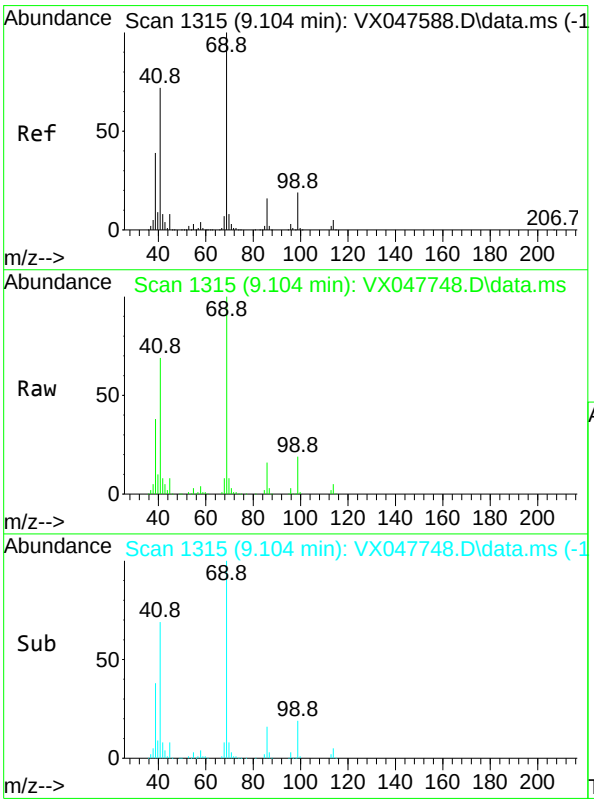
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.4 | 69.6 | 104.4 |
| 85 | 55.8 | 45.0 | 67.6 |
| 99 | 62.6 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

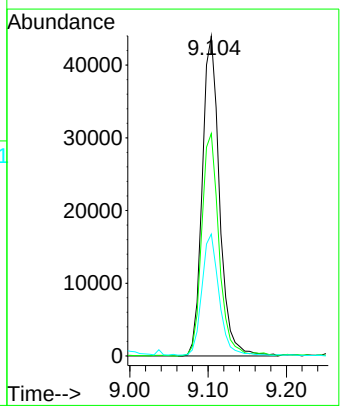
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

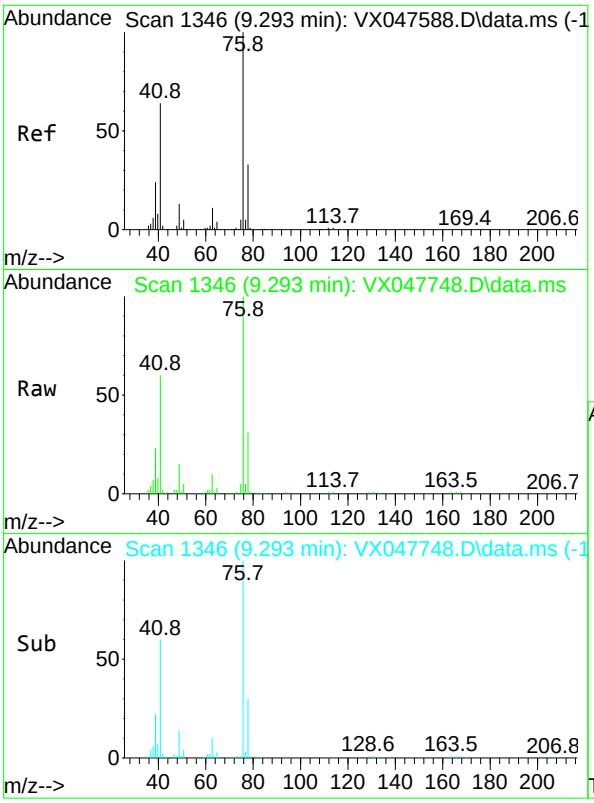



#56
Ethyl methacrylate
Concen: 21.313 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 69 Resp: 67219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 58.6 | 87.8 |
| 39 | 37.7 | 31.5 | 47.3 |






#57
1,3-Dichloropropane
Concen: 21.667 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 76 Resp: 7474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 26.2 | 39.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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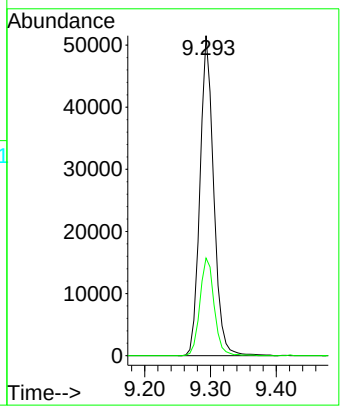
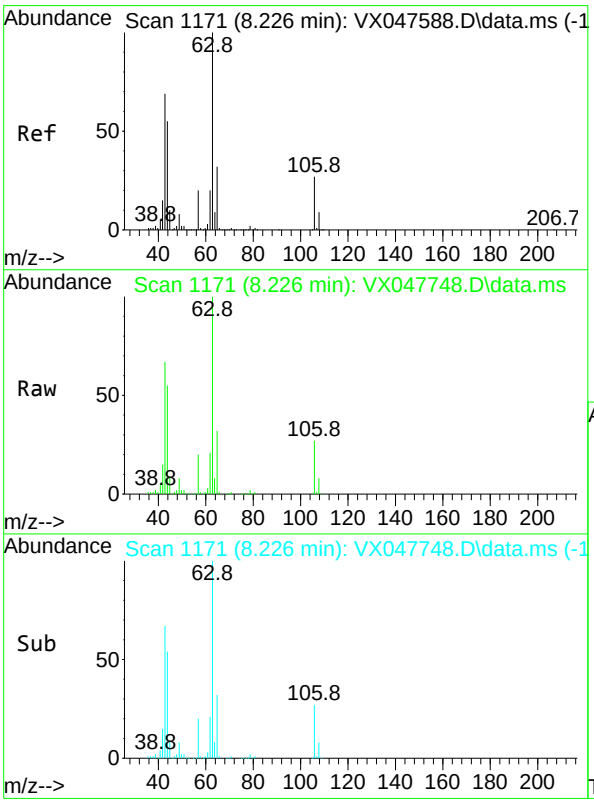
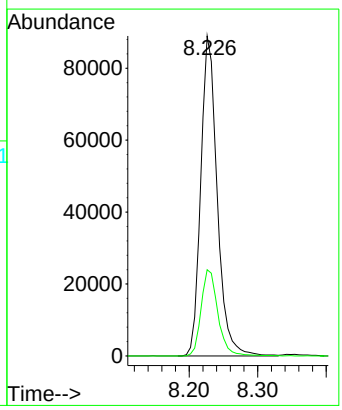


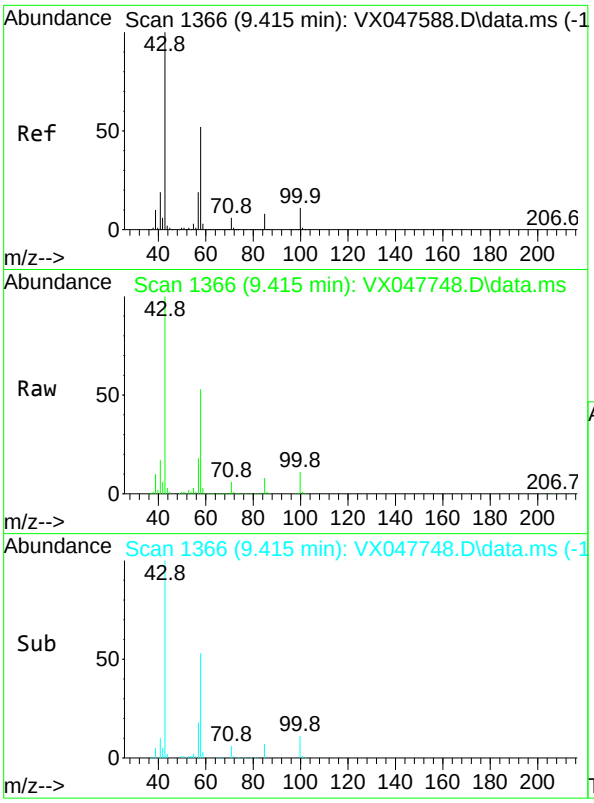




#58
2-Chloroethyl Vinyl ether
Concen: 105.735 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 63 Resp: 148860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 111.587 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 21717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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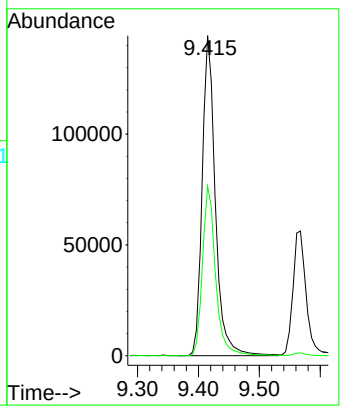
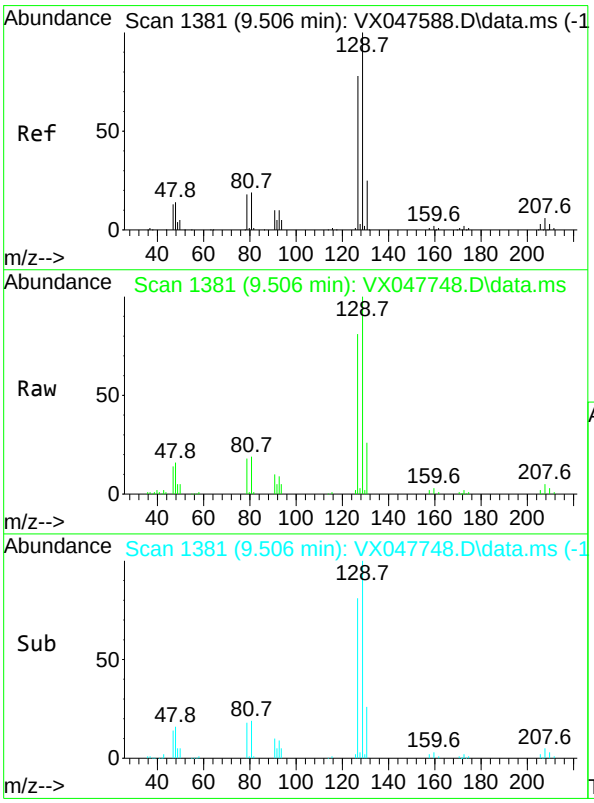
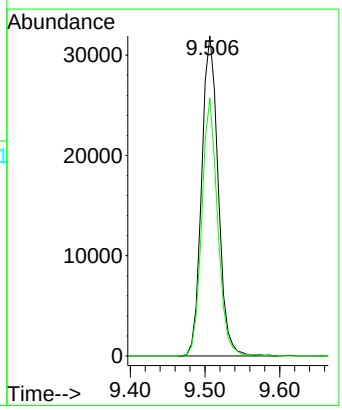


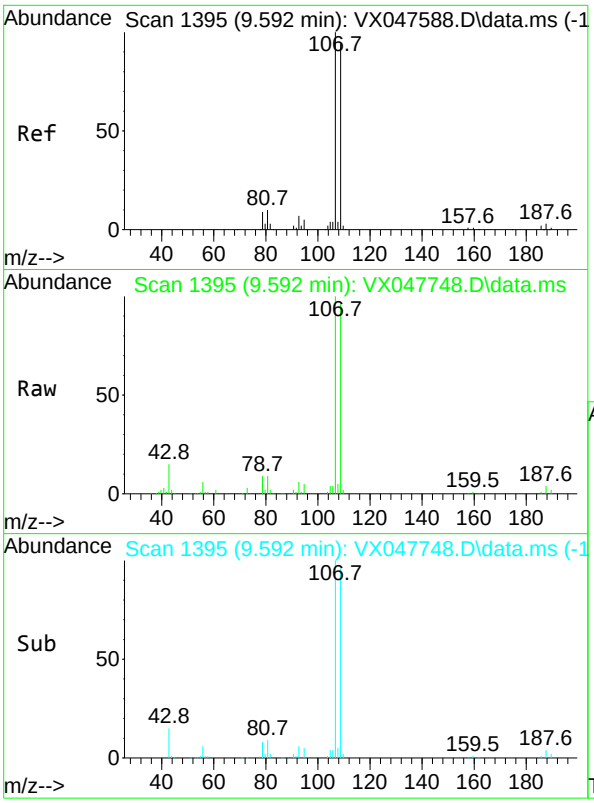




#60
Dibromochloromethane
Concen: 21.170 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:129 Resp: 48986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.4 | 115.2 |

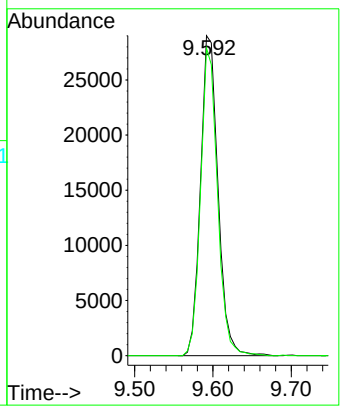





#61
1,2-Dibromoethane
Concen: 22.022 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:107 Resp: 4504

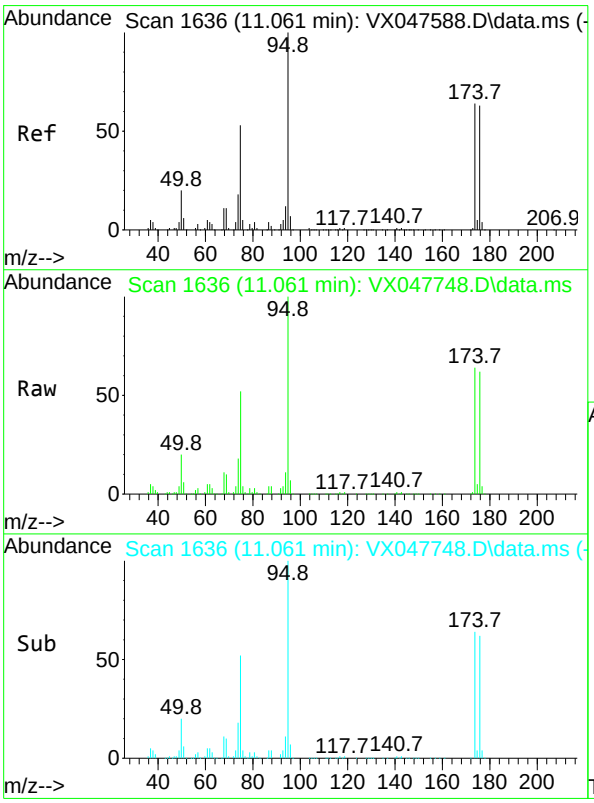
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 75.3 | 112.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

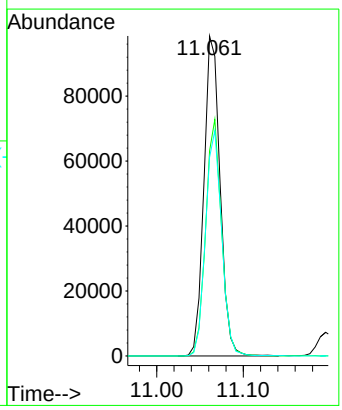
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

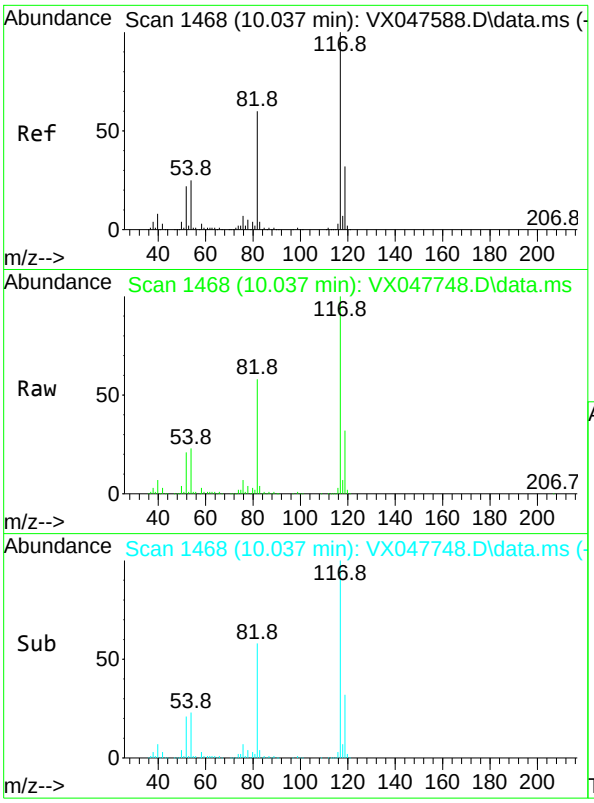



#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 95 Resp: 127747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 141.6 |
| 176 | 70.7 | 0.0 | 138.4 |






#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

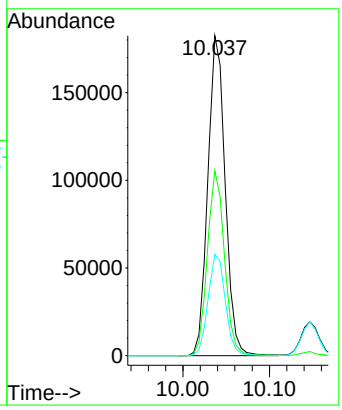
Tgt Ion:117 Resp: 25395

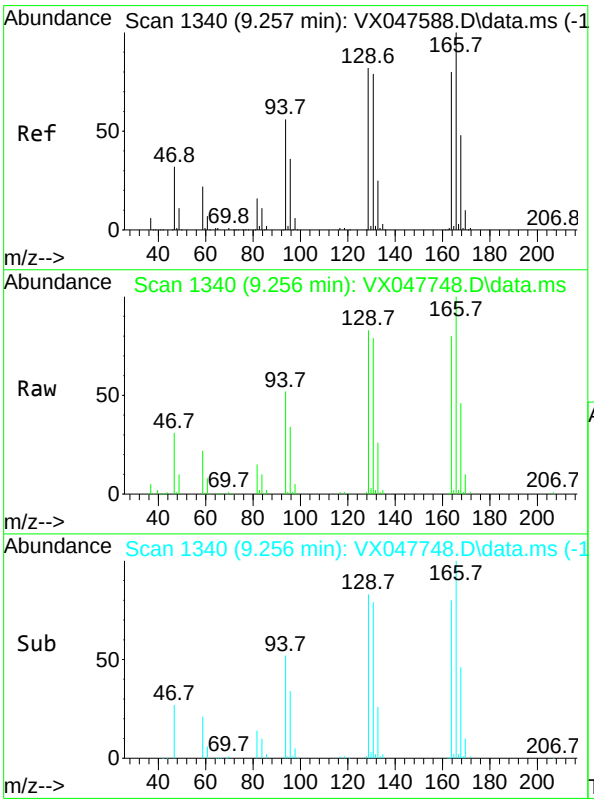
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 47.8 | 71.6 |
| 119 | 31.7 | 25.2 | 37.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

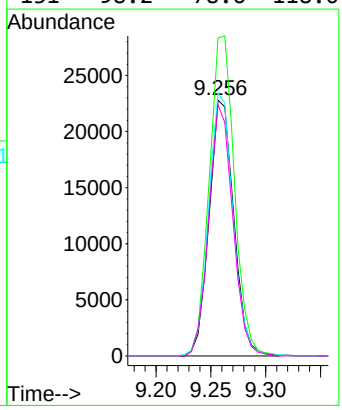


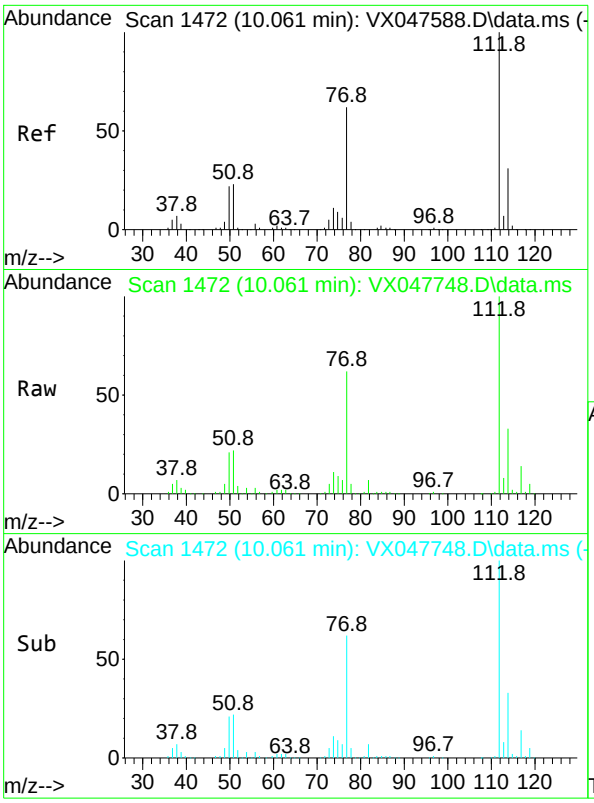




#64
Tetrachloroethene
Concen: 21.442 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:164 Resp: 35498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.3 | 100.2 | 150.2 |
| 129 | 102.7 | 81.8 | 122.6 |
| 131 | 98.2 | 78.6 | 118.0 |

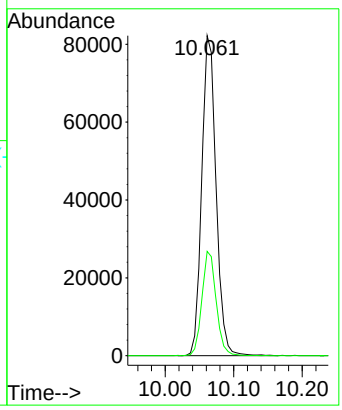





#65
Chlorobenzene
Concen: 20.738 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:112 Resp: 11964

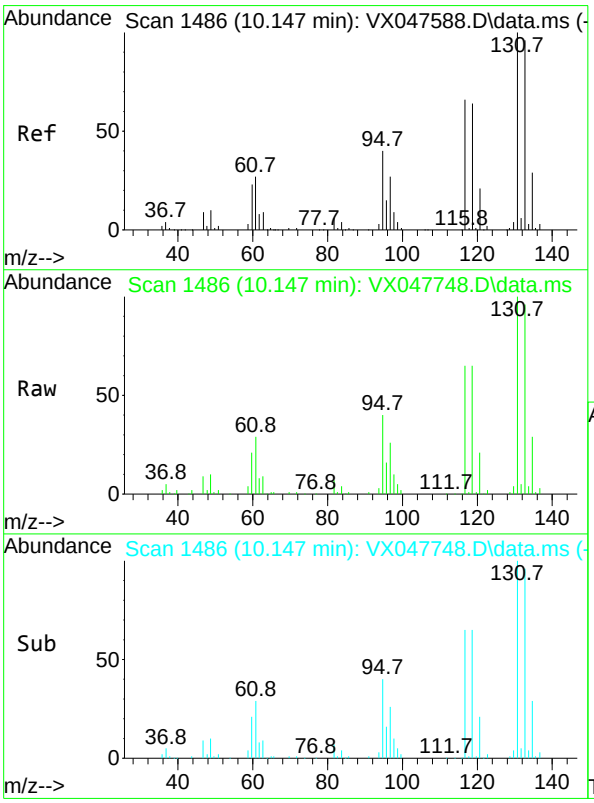
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

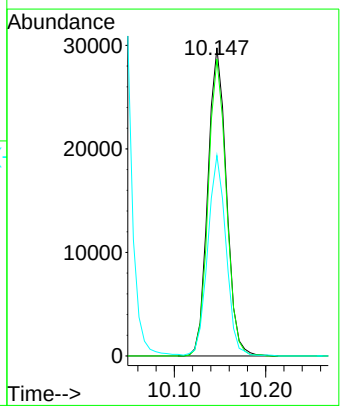
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

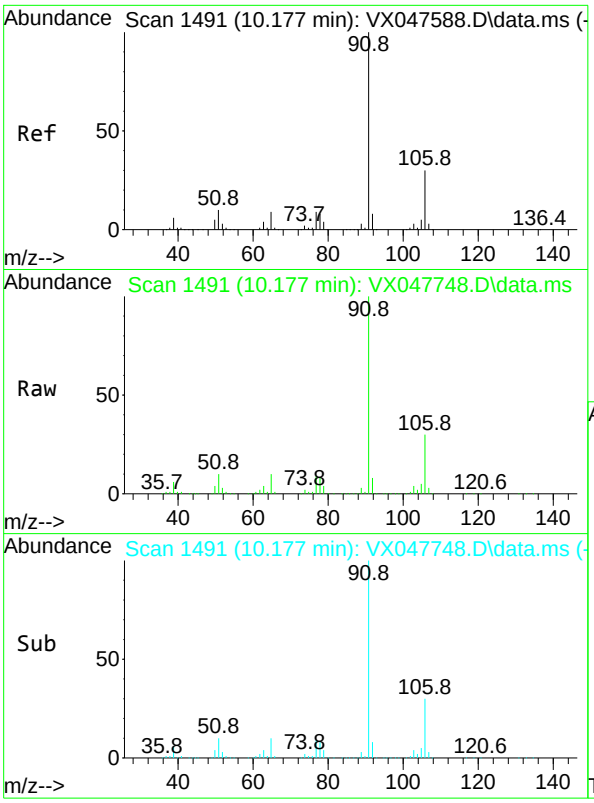



#66
1,1,1,2-Tetrachloroethane
Concen: 21.001 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:131 Resp: 41811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.3 | 142.0 |
| 119 | 64.4 | 32.0 | 96.0 |

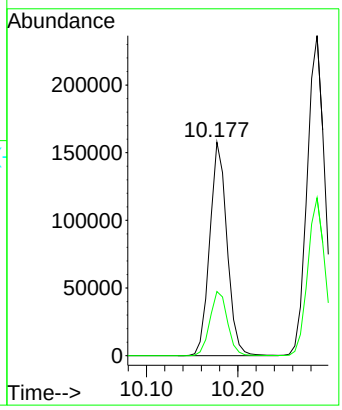





#67
Ethyl Benzene
Concen: 20.757 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 20663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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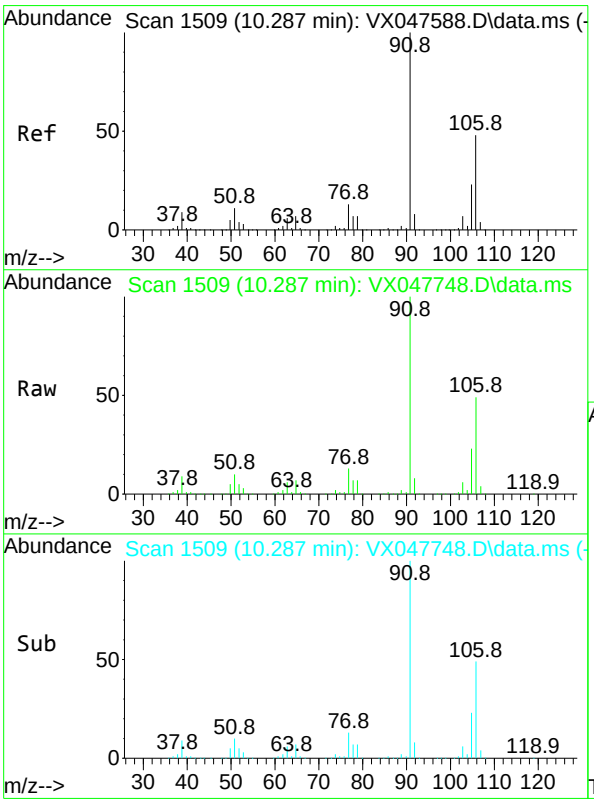
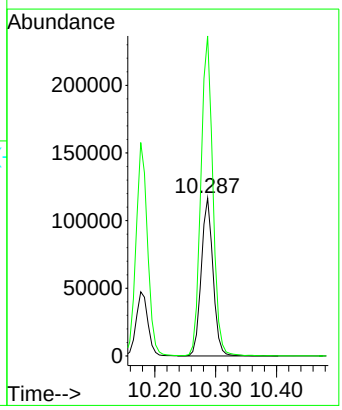
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

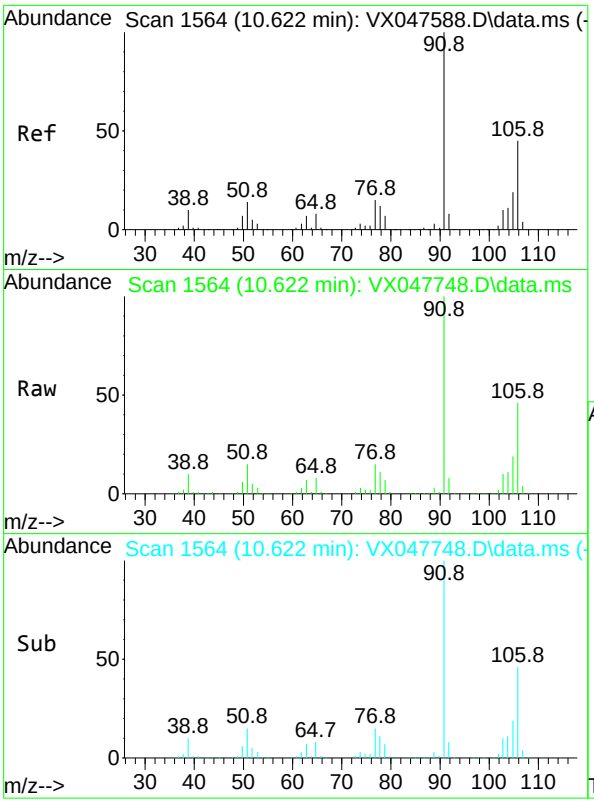



#68
m/p-Xylenes
Concen: 42.264 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:106 Resp: 156597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.5 | 167.8 | 251.8 |

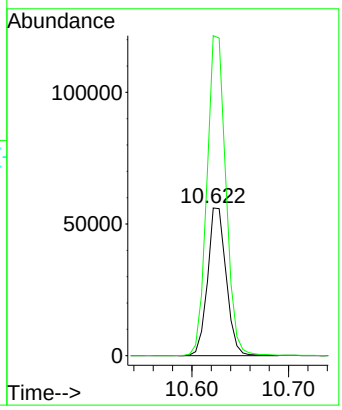





#69
o-Xylene
Concen: 20.945 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:106 Resp: 7506

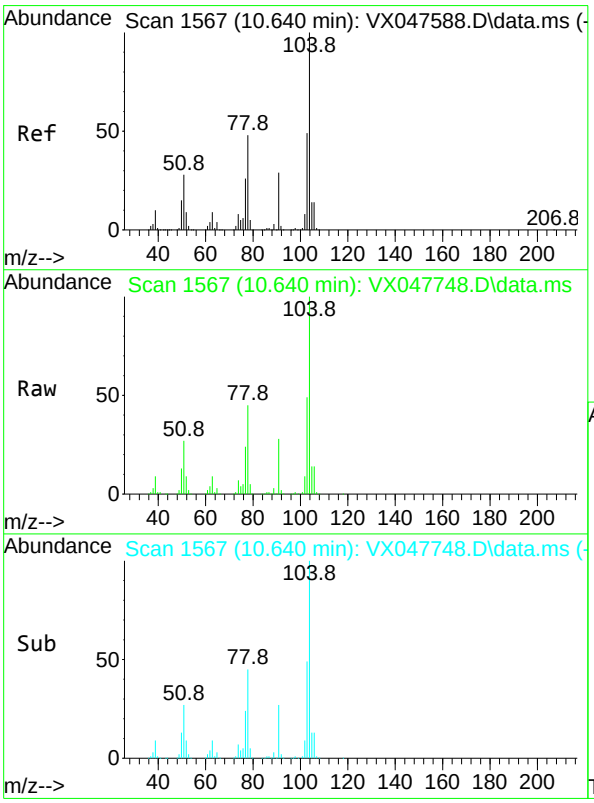
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.1 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

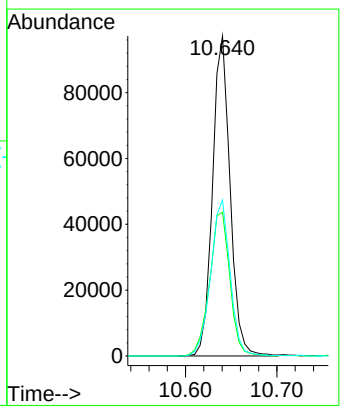
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

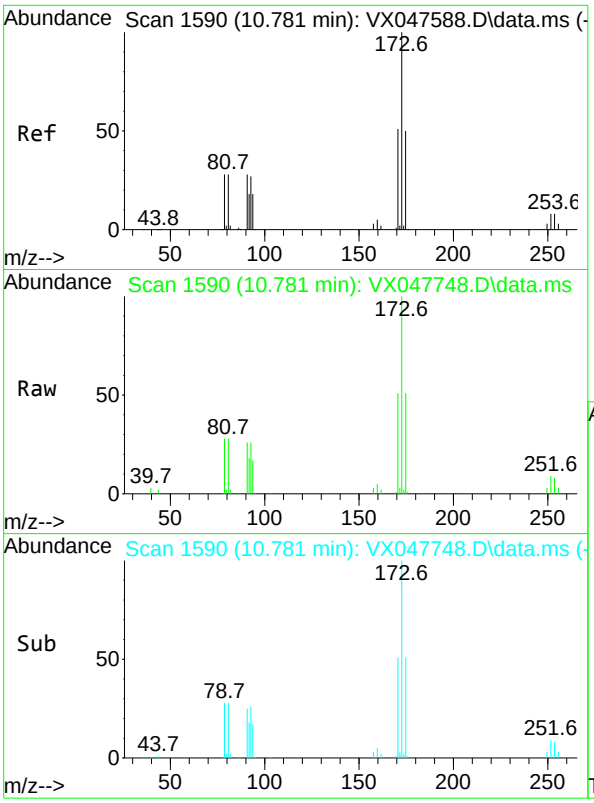



#70
Styrene
Concen: 20.651 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:104 Resp: 129679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 43.1 | 64.7 |
| 103 | 53.9 | 43.1 | 64.7 |

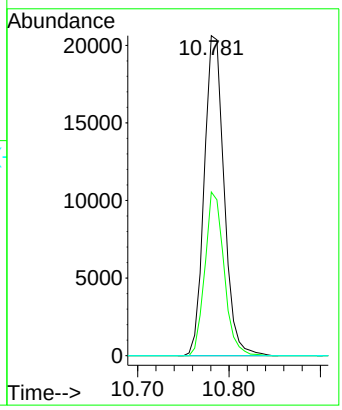





#71
Bromoform
Concen: 20.854 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:173 Resp: 3100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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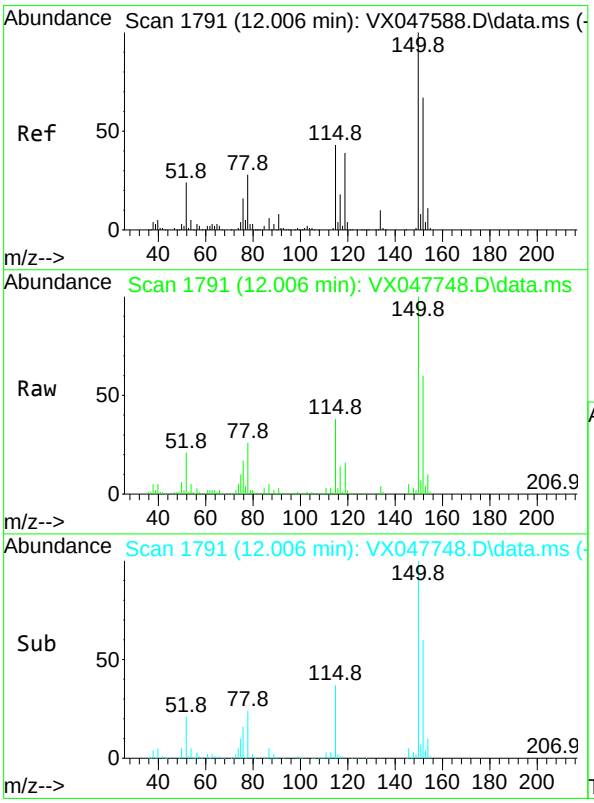
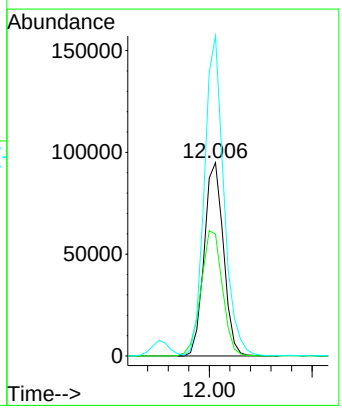
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

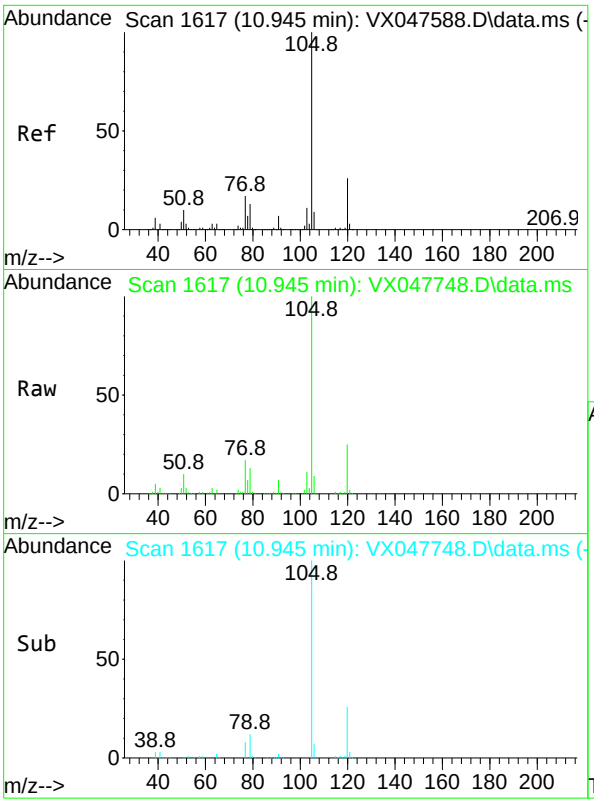



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:152 Resp: 123765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.9 | 44.9 | 134.5 |
| 150 | 166.4 | 0.0 | 352.0 |

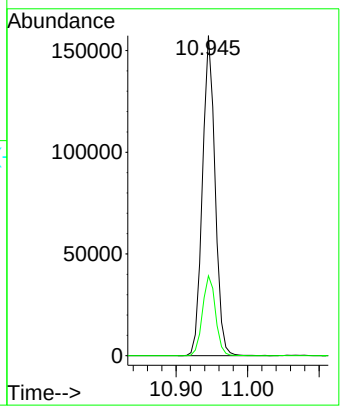





#73
Isopropylbenzene
Concen: 20.548 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 19334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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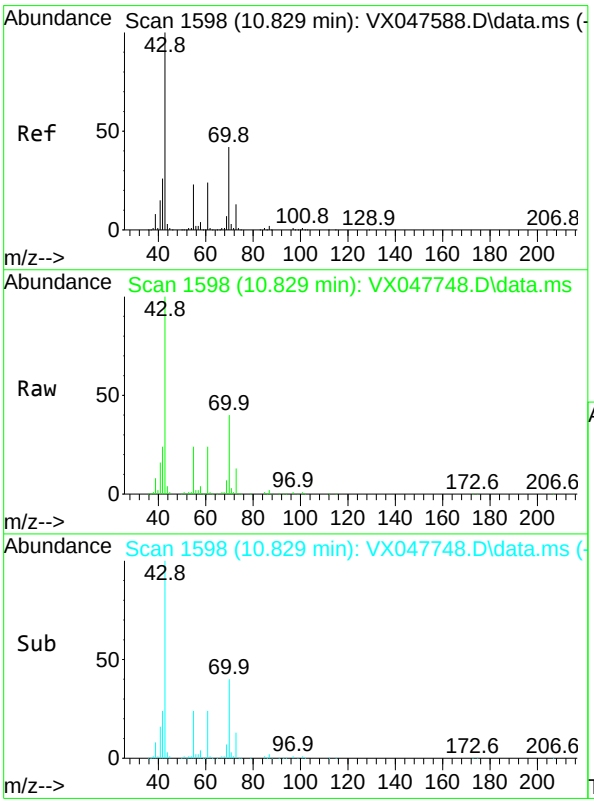
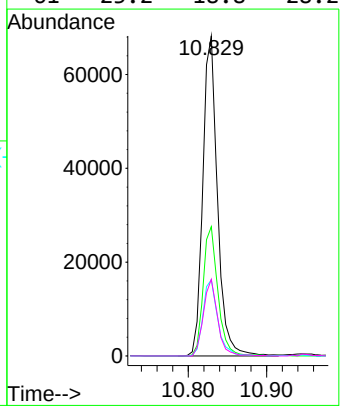
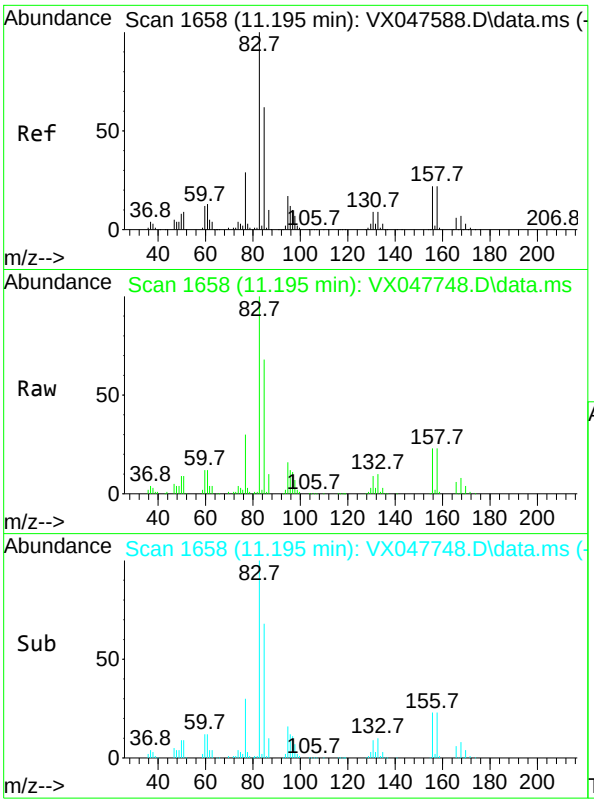



#74
N-amyl acetate
Concen: 20.640 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 88563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 24.1 | 18.9 | 28.3 |
| 61 | 23.2 | 18.8 | 28.2 |

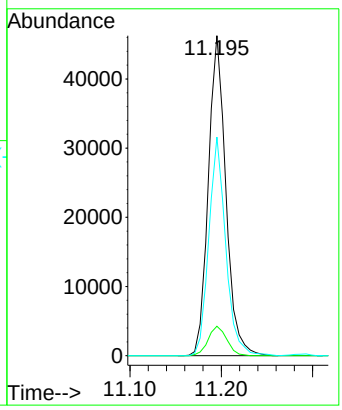





#75
1,1,2,2-Tetrachloroethane
Concen: 21.584 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 83 Resp: 6144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 66.0 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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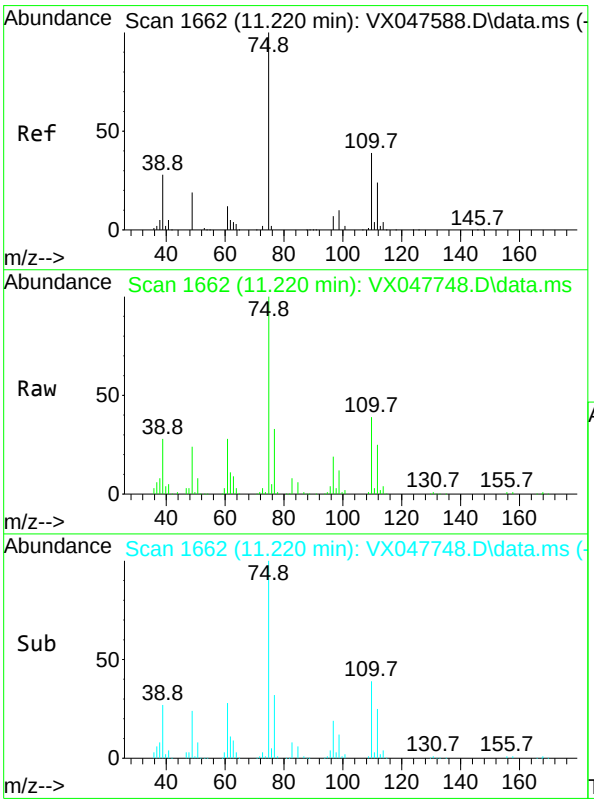
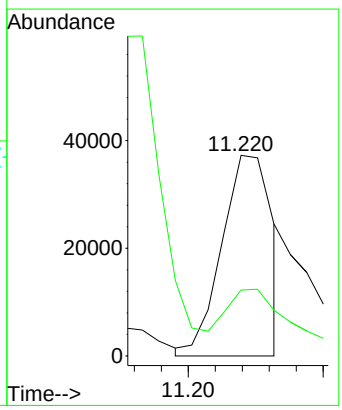
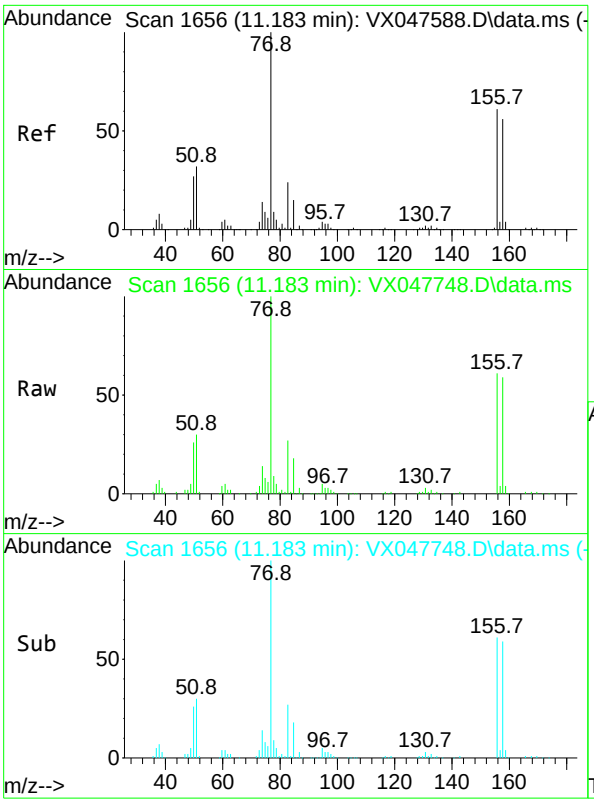



#76
1,2,3-Trichloropropane
Concen: 19.360 ug/l m
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 48514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 44.0 | 18.8 | 56.4 |

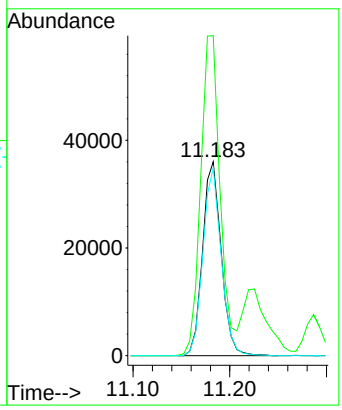





#77
Bromobenzene
Concen: 20.791 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:156 Resp: 4818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.7 | 89.7 | 269.1 |
| 158 | 95.4 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
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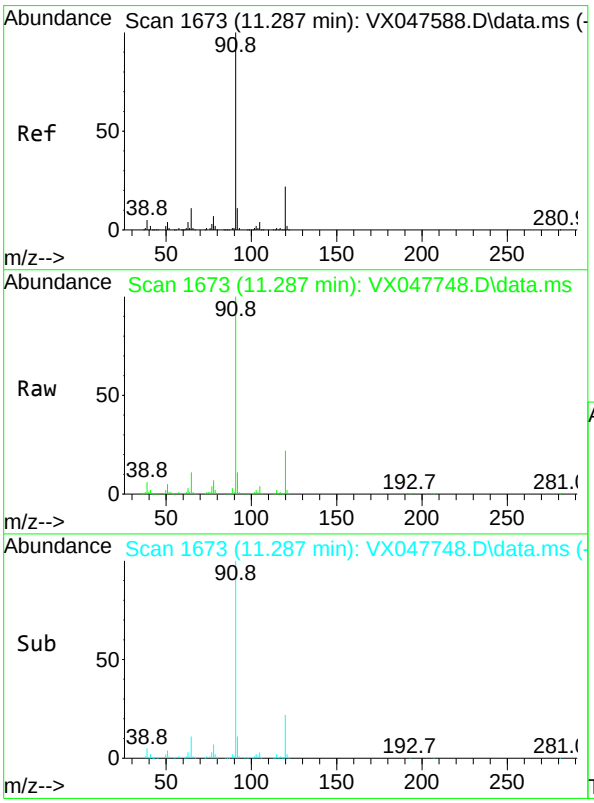
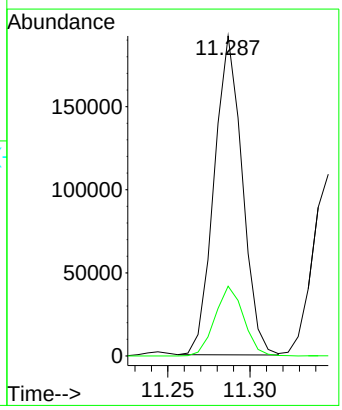
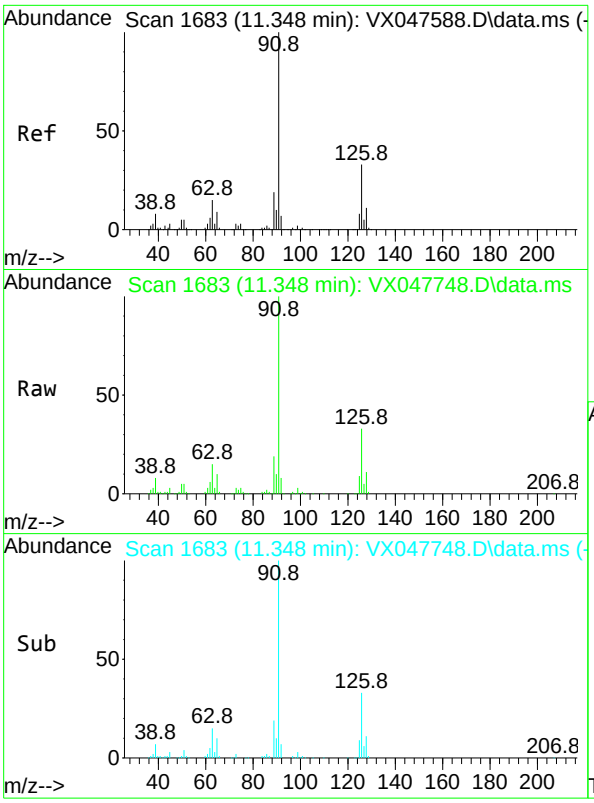



#78
n-propylbenzene
Concen: 20.542 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 228489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.1 | 33.1 |

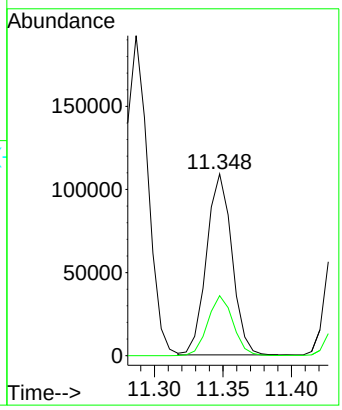





#79
2-Chlorotoluene
Concen: 20.647 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 14066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

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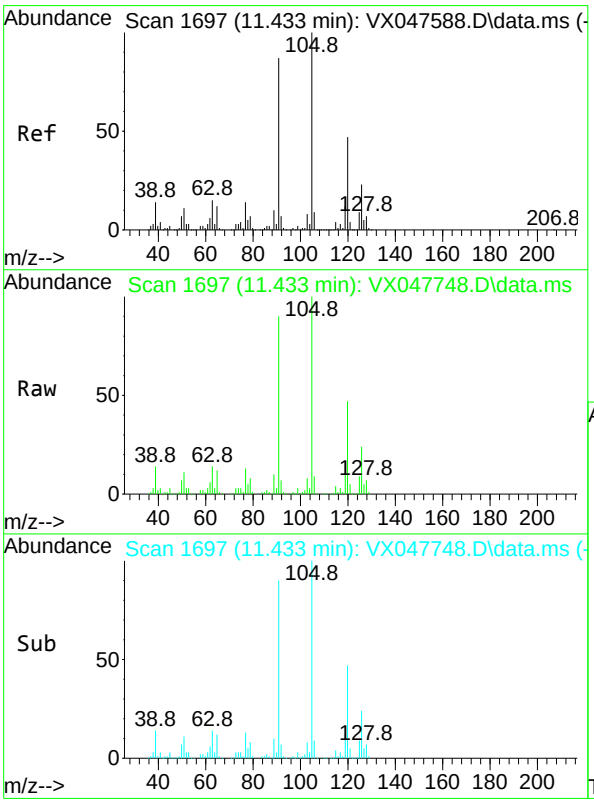
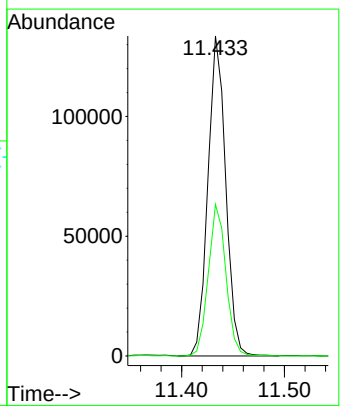
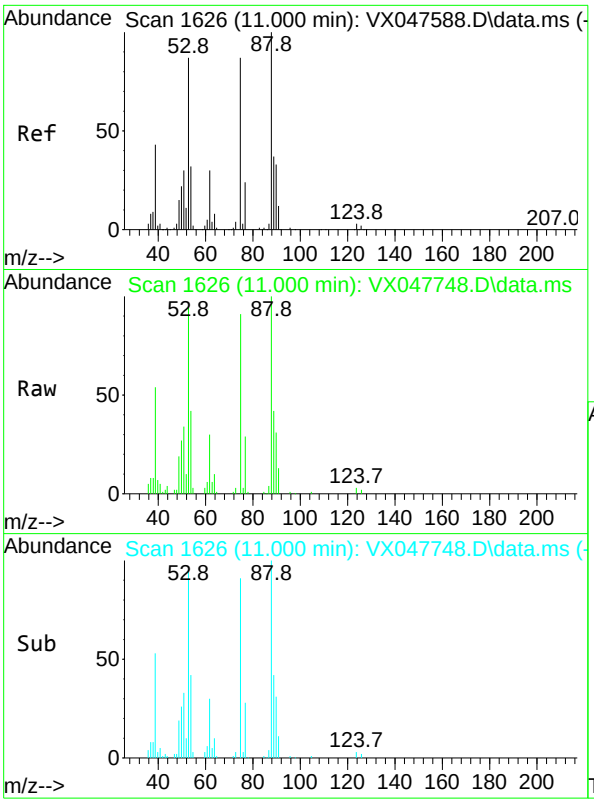



#80
1,3,5-Trimethylbenzene
Concen: 20.764 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 160516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 16.123 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

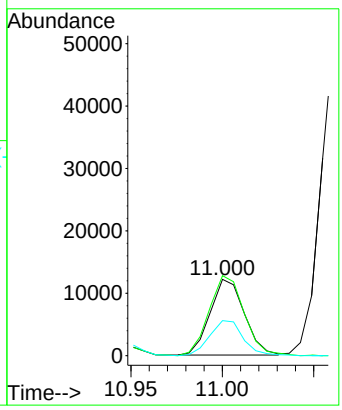
Tgt Ion: 75 Resp: 1584

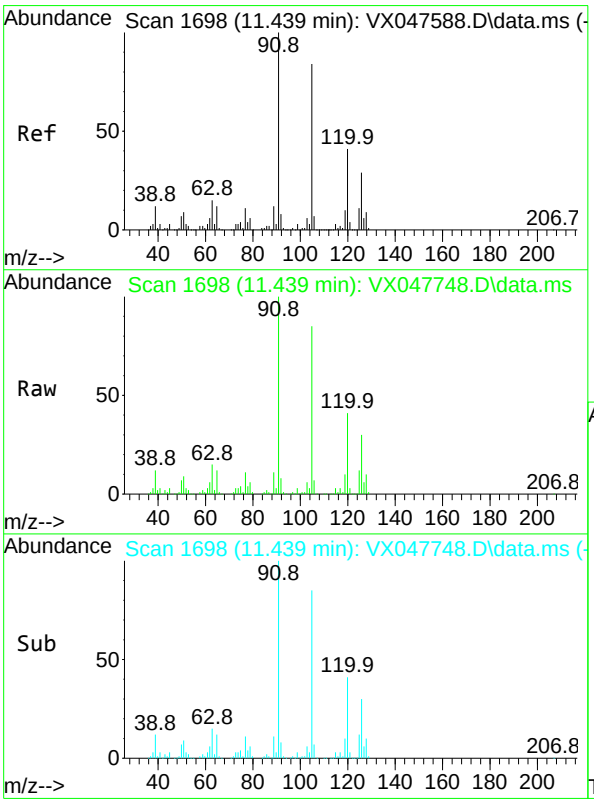
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.2 | 83.4 | 125.2 |
| 89 | 45.5 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

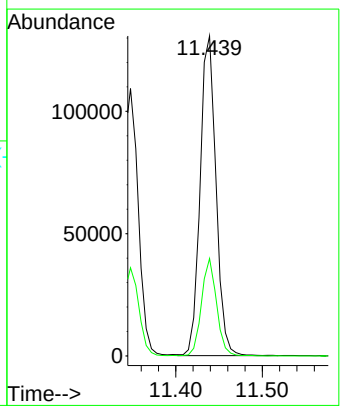


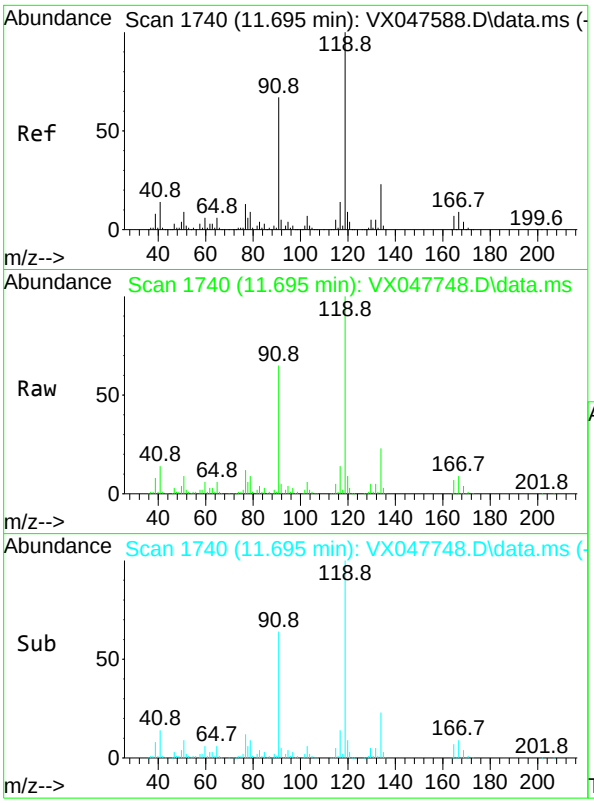




#82
4-Chlorotoluene
Concen: 20.635 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 166032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.2 | 42.6 |

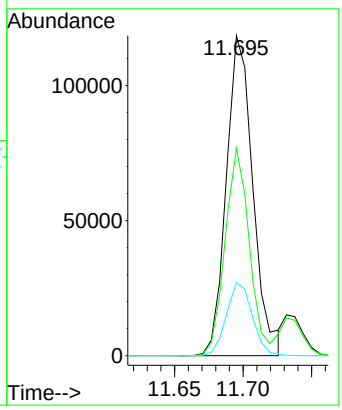





#83
tert-Butylbenzene
Concen: 20.248 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:119 Resp: 16023

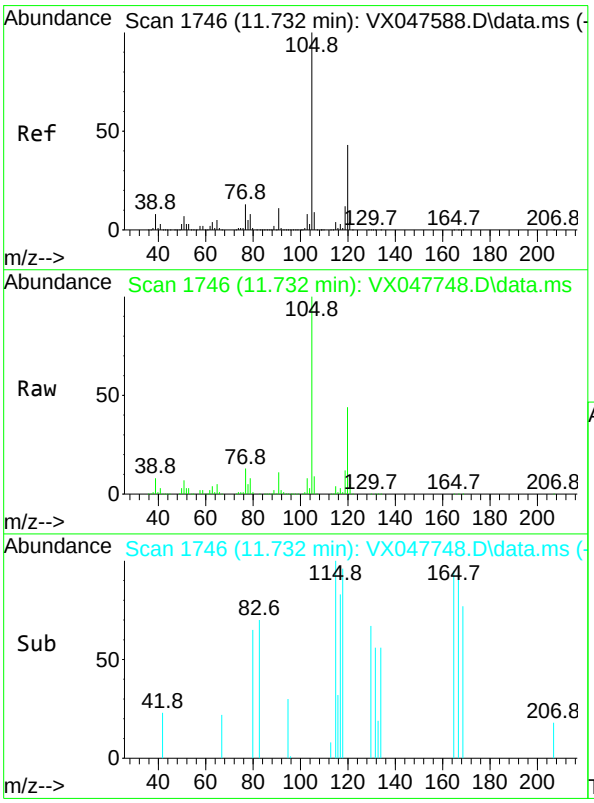
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.6 | 88.8 |
| 134 | 22.2 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

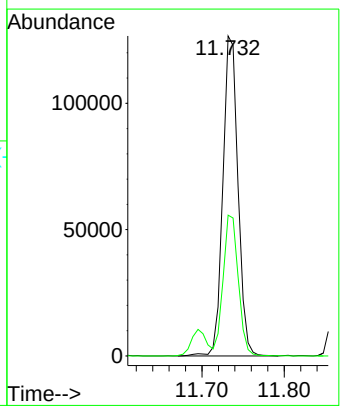
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

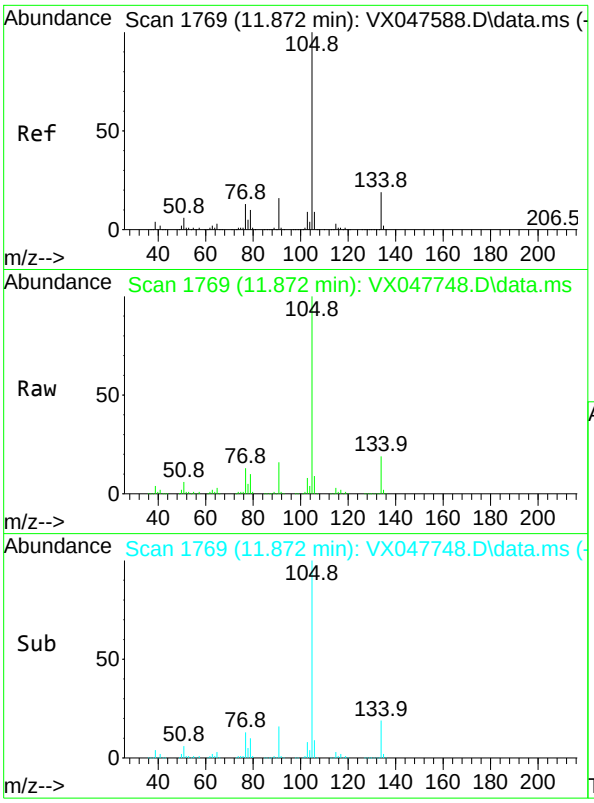



#84
1,2,4-Trimethylbenzene
Concen: 20.665 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 161967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |

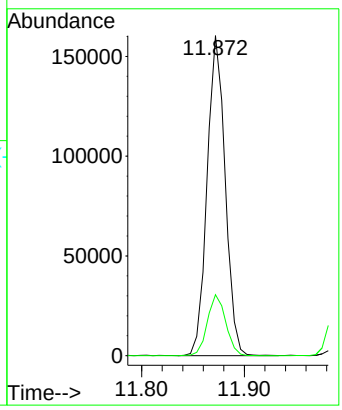





#85
sec-Butylbenzene
Concen: 20.870 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 19617

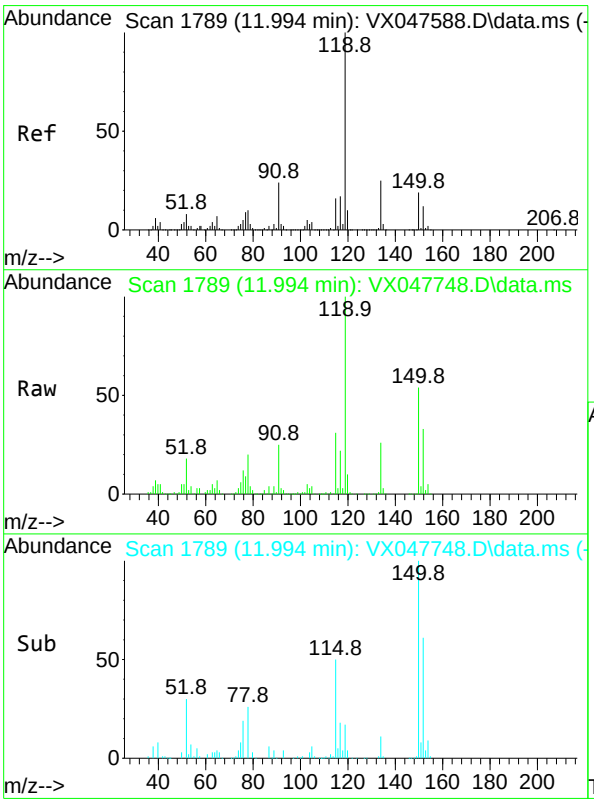
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

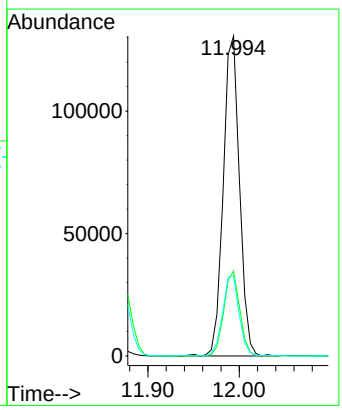
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

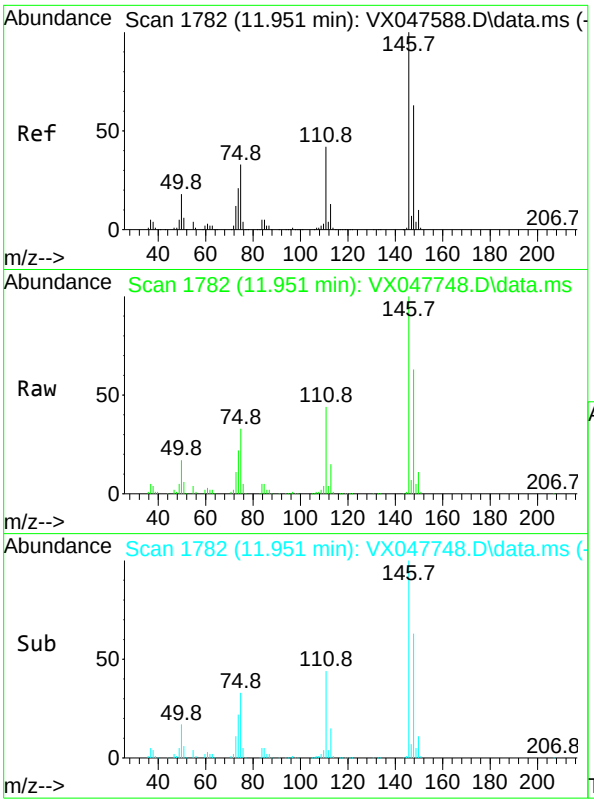



#86
p-Isopropyltoluene
Concen: 20.326 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:119 Resp: 161751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.6 | 37.8 |
| 91 | 25.6 | 12.6 | 37.6 |

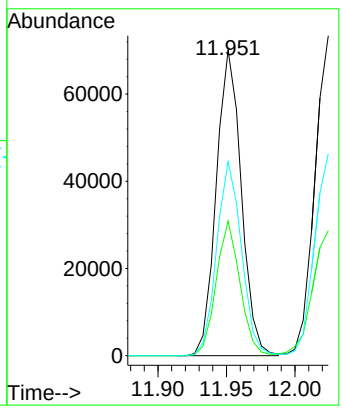





#87
1,3-Dichlorobenzene
Concen: 20.598 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:146 Resp: 8866

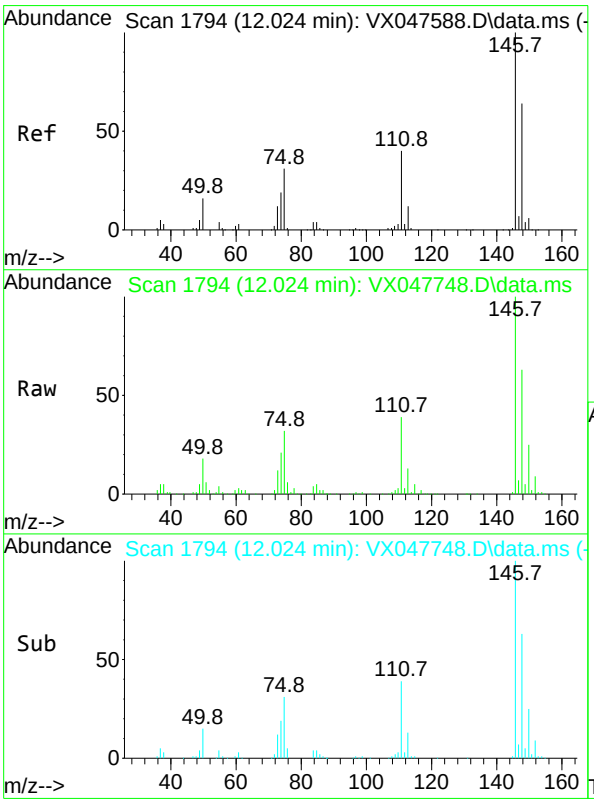
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.5 | 64.5 |
| 148 | 63.3 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

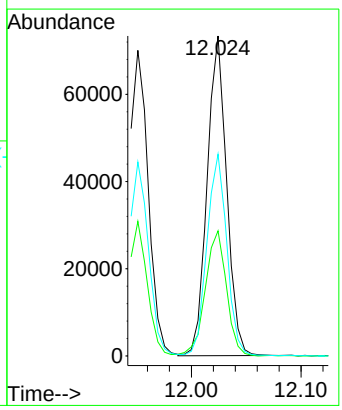
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

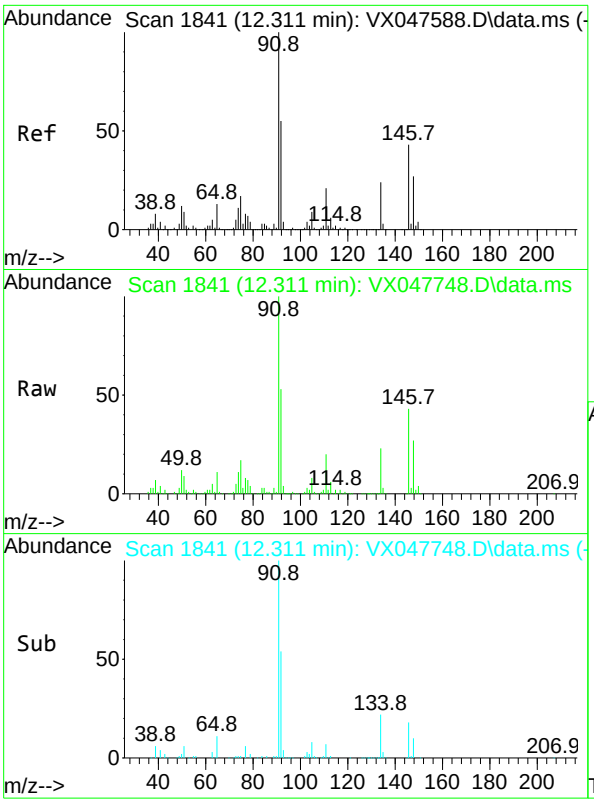



#88
1,4-Dichlorobenzene
Concen: 20.539 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:146 Resp: 90738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 20.8 | 62.4 |
| 148 | 64.3 | 31.7 | 95.1 |

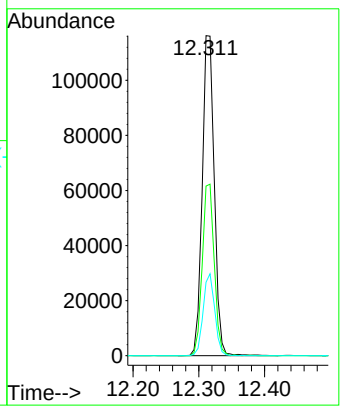





#89
n-Butylbenzene
Concen: 20.116 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 14812

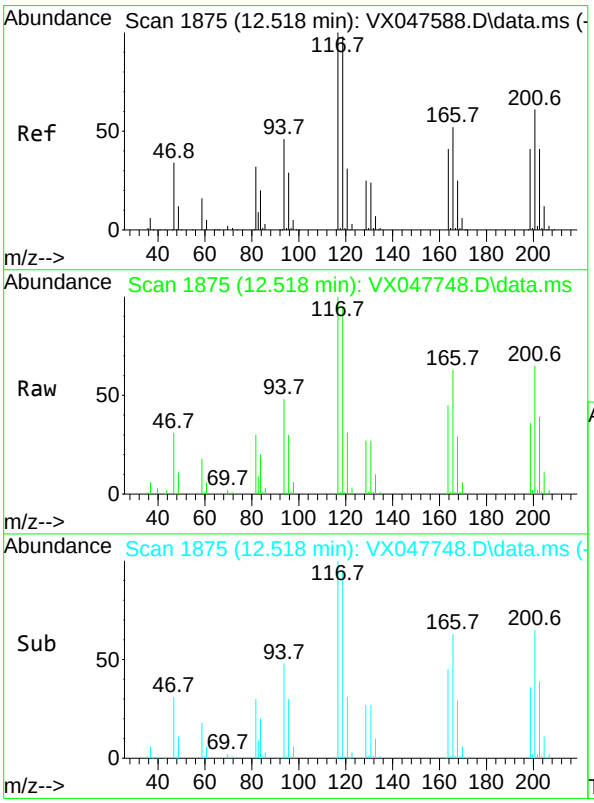
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 27.6 | 82.7 |
| 134 | 24.7 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

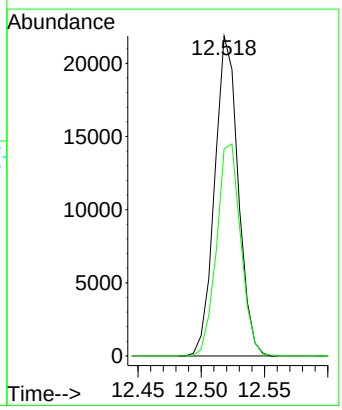
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

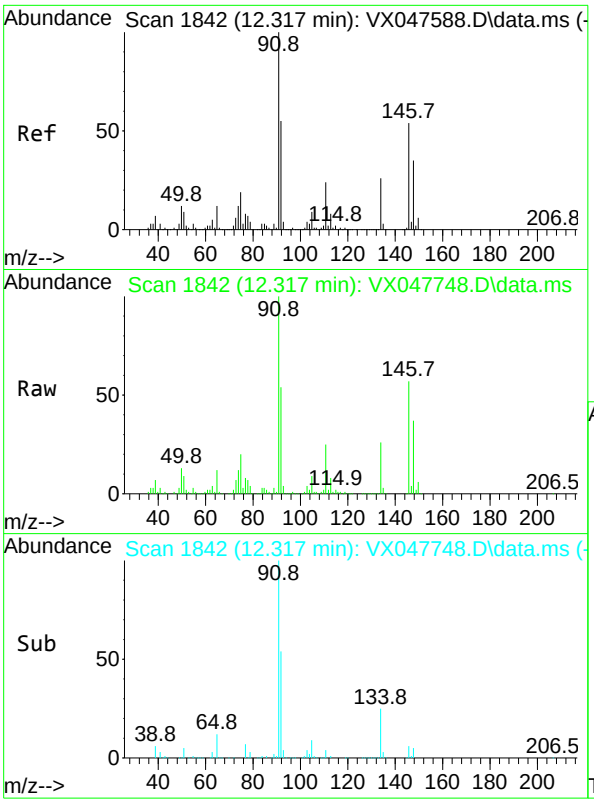



#90
Hexachloroethane
Concen: 20.199 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:117 Resp: 28222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.0 | 34.2 | 102.5 |

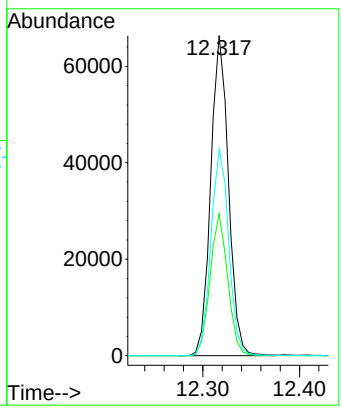





#91
1,2-Dichlorobenzene
Concen: 20.655 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:146 Resp: 8470

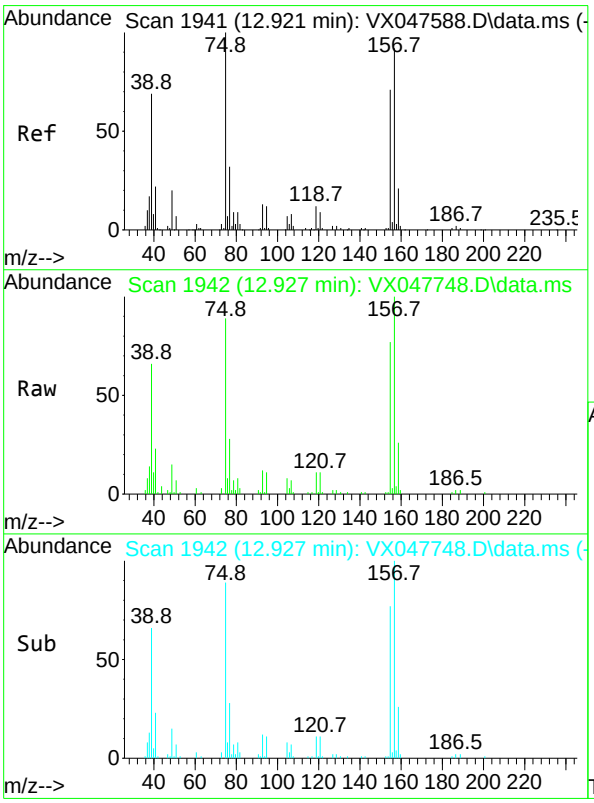
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.2 | 66.6 |
| 148 | 65.0 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

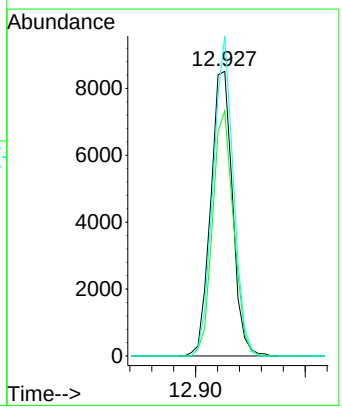
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

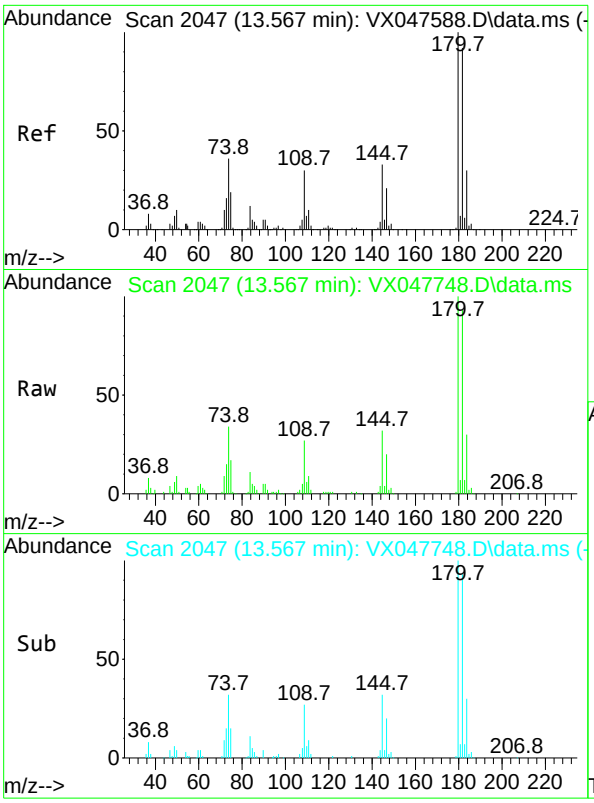



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.397 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 11756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.8 | 37.7 | 113.1 |
| 157 | 104.0 | 49.8 | 149.4 |

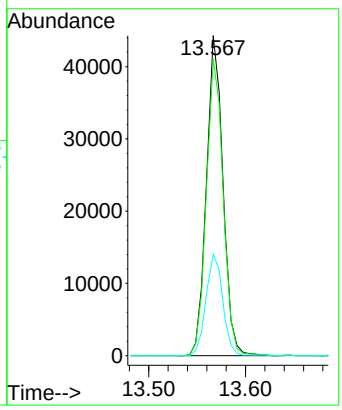





#93
1,2,4-Trichlorobenzene
Concen: 19.802 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:180 Resp: 5277

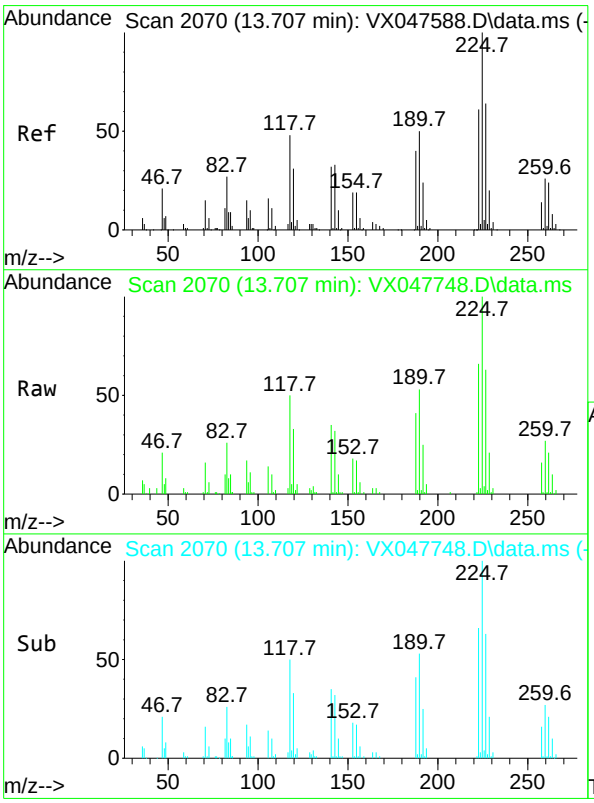
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 46.6 | 139.8 |
| 145 | 32.3 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

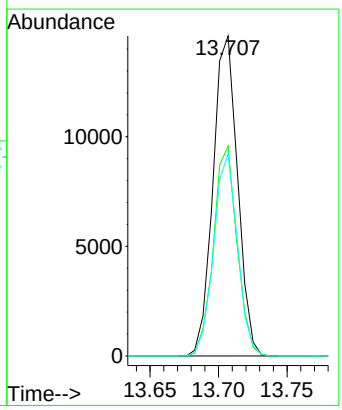
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

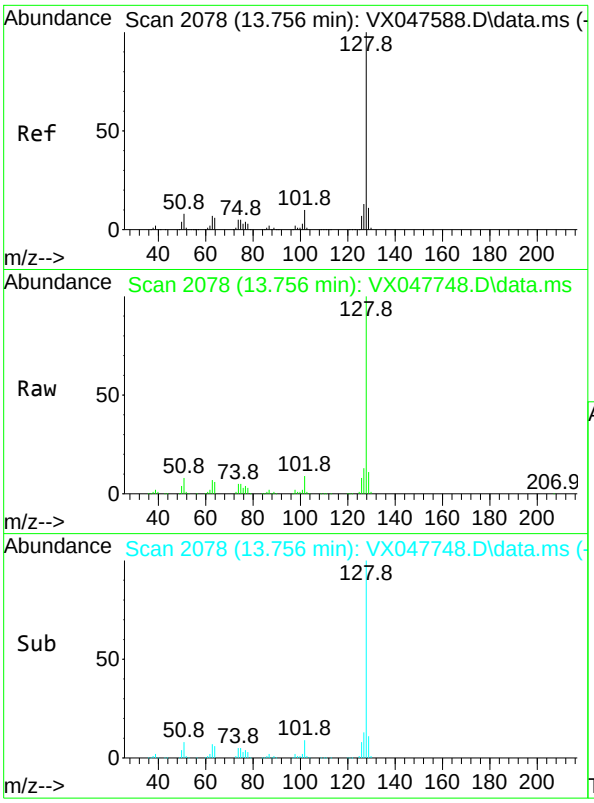



#94
Hexachlorobutadiene
Concen: 20.094 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:225 Resp: 18191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 31.7 | 95.1 |
| 227 | 61.1 | 32.0 | 96.0 |

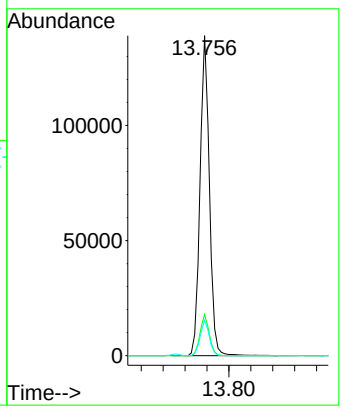





#95
Naphthalene
Concen: 20.298 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:128 Resp: 16473

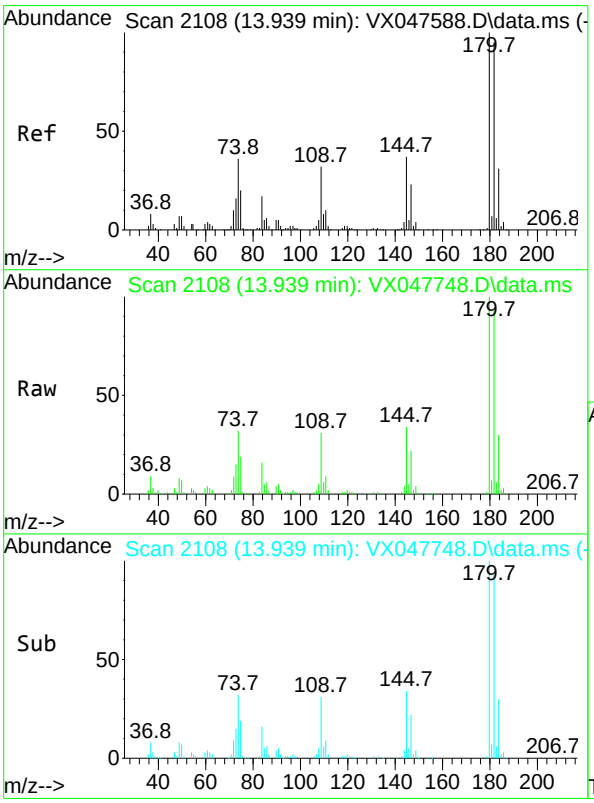
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.7 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

**Manual Integrations**
**APPROVED**

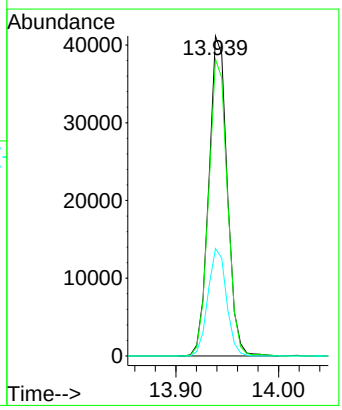
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 20.708 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:180 Resp: 51341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 47.6 | 142.8 |
| 145 | 33.5 | 17.9 | 53.7 |



Raw Data: **VX047749.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBSD03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBSD03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047749.D | 1 | 09/24/25 04:14 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 19.6 | | 0.22 | 0.50 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 18.5 | | 0.32 | 0.50 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.4 | | 0.26 | 0.75 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 19.7 | | 1.40 | 3.80 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 17.6 | | 0.47 | 0.75 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 17.6 | | 0.33 | 0.50 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 17.3 | | 0.25 | 0.50 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.0 | | 0.23 | 0.75 | 1.00 | ug/L |
| 67-64-1 | Acetone | 75.9 | | 1.50 | 3.80 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 18.0 | | 0.21 | 0.75 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 17.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 19.8 | | 0.27 | 0.75 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 17.7 | | 0.28 | 0.50 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 17.8 | | 0.23 | 0.50 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 17.6 | | 0.23 | 0.50 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 17.4 | | 1.50 | 2.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 90.8 | | 0.98 | 2.50 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 16.5 | | 0.25 | 0.50 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 17.9 | | 0.19 | 0.75 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 21.7 | | 0.22 | 0.50 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 17.9 | | 0.25 | 0.50 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.0 | | 0.20 | 0.50 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 16.6 | | 0.16 | 0.50 | 1.00 | ug/L |
| 71-43-2 | Benzene | 17.7 | | 0.15 | 0.50 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 16.8 | | 0.22 | 0.50 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 17.9 | | 0.090 | 0.75 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 17.9 | | 0.20 | 0.50 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 17.5 | | 0.22 | 0.50 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 96.4 | | 0.68 | 2.50 | 5.00 | ug/L |
| 108-88-3 | Toluene | 17.7 | | 0.14 | 0.50 | 1.00 | ug/L |

Raw Data: **VX047749.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBSD03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBSD03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047749.D | 1 | 09/24/25 04:14 | VX092325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 16.0 | | 0.17 | 0.50 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 16.0 | | 0.16 | 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 | 94.0 | | 0.89 | 2.50 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.1 | | 0.18 | 0.50 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 19.1 | | 0.15 | 0.50 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.5 | | 0.23 | 0.50 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 17.7 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 17.2 | | 0.13 | 0.50 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 35.3 | | 0.24 | 1.00 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 17.5 | | 0.12 | 0.50 | 1.00 | ug/L |
| 100-42-5 | Styrene | 17.5 | | 0.15 | 0.50 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 17.5 | | 0.19 | 0.50 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 16.9 | | 0.12 | 0.50 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.5 | | 0.26 | 0.50 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 17.4 | | 0.16 | 0.50 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.1 | | 0.19 | 0.50 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 17.5 | | 0.16 | 0.50 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.6 | | 0.53 | 0.75 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 16.4 | | 0.20 | 0.50 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.1 | | 0.20 | 0.75 | 1.00 | ug/L |
| **SURROGATES** | | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.4 | | 81 - 118 | | 101% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.3 | | 80 - 119 | | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 52.2 | | 89 - 112 | | 104% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.1 | | 85 - 114 | | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | | |
| 363-72-4 | Pentafluorobenzene | 154000 | 5.537 | | | | |
| 540-36-3 | 1,4-Difluorobenzene | 282000 | 6.751 | | | | |
| 3114-55-4 | Chlorobenzene-d5 | 254000 | 10.037 | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 125000 | 12.006 | | | | |

Raw Data: **VX047749.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: | NWIRP Bethpage 112G08005-WE13 | Date Received: | |
| Client Sample ID: | VX0923WBSD03 | SDG No.: | Q3141 |
| Lab Sample ID: | VX0923WBSD03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX047749.D | 1 | 09/24/25 04:14 | VX092325 |

| 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: **VX047749.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 154222 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 281988 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 254297 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 124629 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 123608 | 50.353 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 100.700% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 97017 | 51.300 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.600% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 341263 | 52.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 104.300% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 129425 | 52.114 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.220% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 31354 | 19.633 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 38808 | 18.490 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 37889 | 18.441 | ug/l | 98 |
| 5) Bromomethane | 1.617 | 94 | 25717 | 19.739 | ug/l | 95 |
| 6) Chloroethane | 1.697 | 64 | 24132 | 17.573 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 53751 | 17.620 | ug/l | 92 |
| 8) Diethyl Ether | 2.136 | 74 | 20543 | 16.462 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 30800 | 17.267 | ug/l | 98 |
| 10) Methyl Iodide | 2.459 | 142 | 46724 | 16.795 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 25276 | 92.450 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 32967 | 17.992 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 22043 | 87.491 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 61383 | 16.234 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 99171 | 97.927 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 80974 | 75.863 | ug/l | 99 |
| 17) Carbon Disulfide | 2.520 | 76 | 90054 | 17.953 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 47143 | 19.846 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 116727 | 17.451 | ug/l | 99 |
| 20) Methylene Chloride | 2.788 | 84 | 39914 | 17.666 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 35110 | 17.798 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 128843 | 17.583 | ug/l | 99 |
| 23) Vinyl Acetate | 3.715 | 43 | 514138 | 87.666 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 68705 | 17.640 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 120923 | 90.824 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 34586 | 10.683 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 43152 | 17.862 | ug/l | 94 |
| 28) Bromochloromethane | 4.891 | 49 | 36933 | 21.721 | ug/l | 97 |
| 29) Tetrahydrofuran | 4.995 | 42 | 77415 | 96.655 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 70538 | 17.922 | ug/l | 95 |
| 31) Cyclohexane | 5.464 | 56 | 56532 | 17.427 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 59999 | 17.972 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 45756 | 16.558 | ug/l | 98 |
| 37) Ethyl Acetate | 4.708 | 43 | 53875 | 18.208 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 49639 | 16.532 | ug/l | 94 |
| 39) Methylcyclohexane | 7.366 | 83 | 52216 | 16.646 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 148339 | 17.674 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 28598 | 18.722 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 53538 | 16.765 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 88000 | 18.134 | ug/l | | 100 |
| 44) Trichloroethene | 7.110 | 130 | 36283 | 17.881 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 38455 | 17.893 | ug/l | | 94 |
| 46) Dibromomethane | 7.568 | 93 | 28033 | 17.924 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.811 | 83 | 56375 | 17.468 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.683 | 41 | 41895 | 17.332 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.647 | 88 | 10914 | 446.778 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 259334 | 96.387 | ug/l | | 100 |
| 52) Toluene | 8.708 | 92 | 91422 | 17.679 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 52789 | 16.036 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 56367 | 16.020 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 36370 | 18.240 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.104 | 69 | 56127 | 17.924 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 63358 | 18.497 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 150794 | 107.686 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 181591 | 93.973 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 41641 | 18.125 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 38724 | 19.067 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.262 | 164 | 30658 | 18.494 | ug/l | | 93 |
| 65) Chlorobenzene | 10.061 | 112 | 102193 | 17.689 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 34887 | 17.500 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 171255 | 17.180 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 130995 | 35.307 | ug/l | | 99 |
| 69) o-Xylene | 10.628 | 106 | 62705 | 17.473 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 110018 | 17.497 | ug/l | | 98 |
| 71) Bromoform | 10.780 | 173 | 26057 | 17.505 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 160236 | 16.911 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 74935 | 17.343 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 53151 | 18.541 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.226 | 75 | 45508m | 18.035 | ug/l | | |
| 77) Bromobenzene | 11.183 | 156 | 40990 | 17.565 | ug/l | | 96 |
| 78) n-propylbenzene | 11.286 | 91 | 188833 | 16.859 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 115965 | 16.904 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 133906 | 17.201 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 13693 | 13.838 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 138107 | 17.045 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.701 | 119 | 133788 | 16.789 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 133626 | 16.931 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.872 | 105 | 162042 | 17.119 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 134959 | 16.841 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 75401 | 17.395 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 75954 | 17.073 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 121947 | 16.446 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22920 | 16.291 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 72271 | 17.501 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 10228 | 17.622 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 43903 | 16.358 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 15848 | 17.385 | ug/l | | 96 |
| 95) Naphthalene | 13.756 | 128 | 138889 | 16.995 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 42676 | 17.094 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

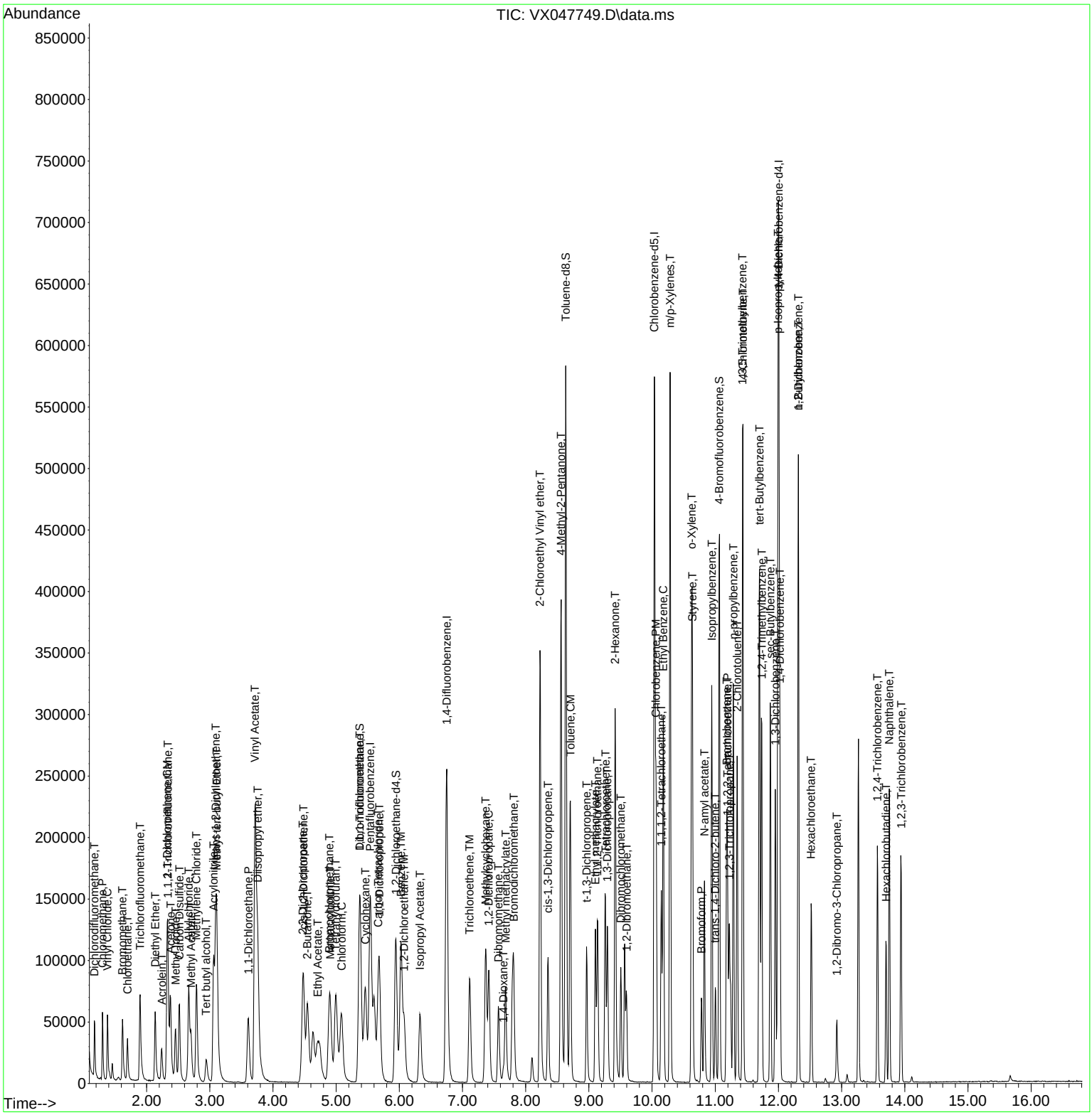
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

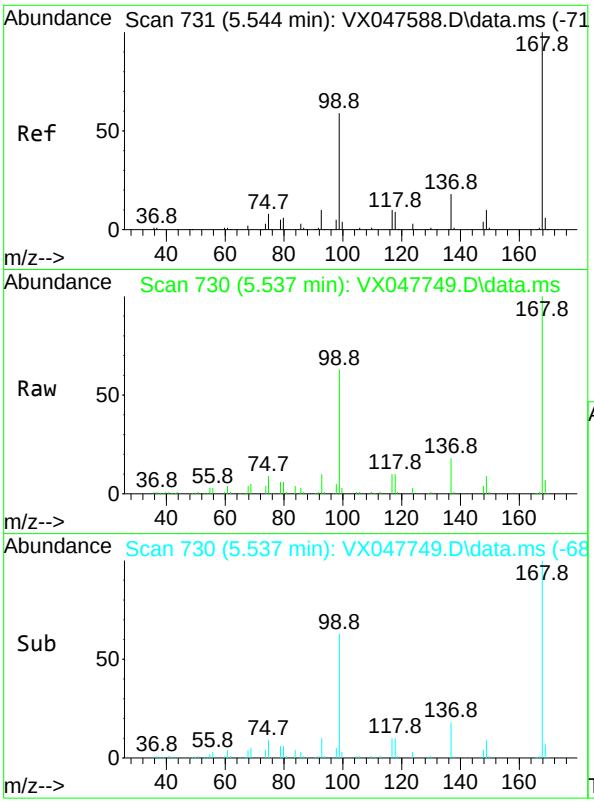
Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

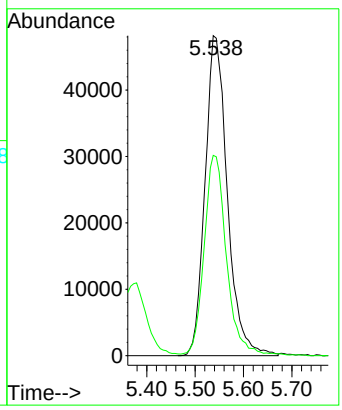





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:168 Resp: 15422

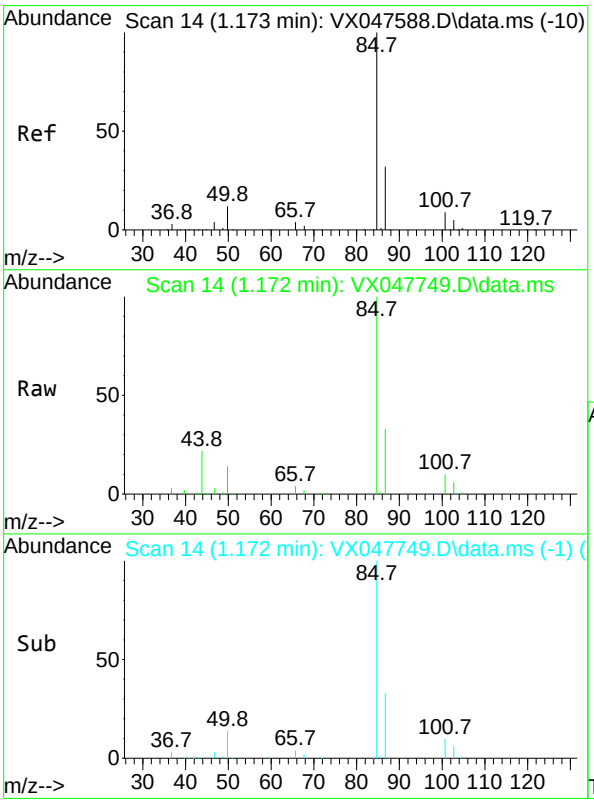
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.0 | 48.8 | 73.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

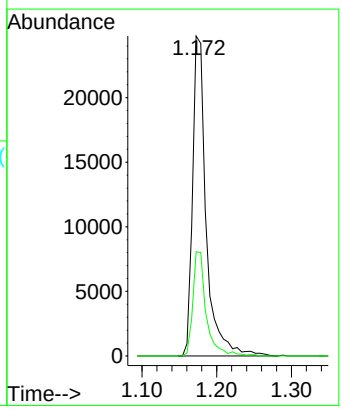
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

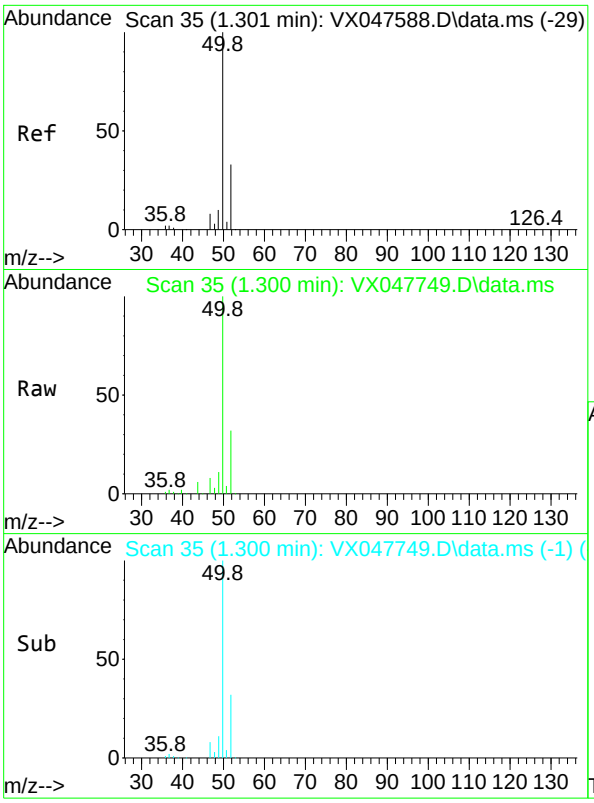



#2
Dichlorodifluoromethane
Concen: 19.633 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 85 Resp: 31354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |

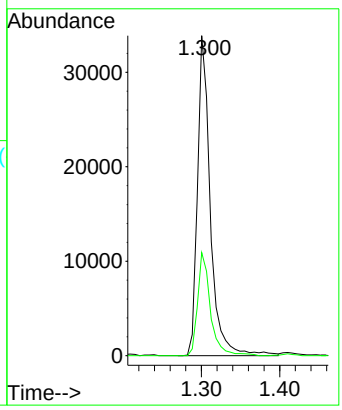





#3
Chloromethane
Concen: 18.490 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 50 Resp: 3880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.1 | 39.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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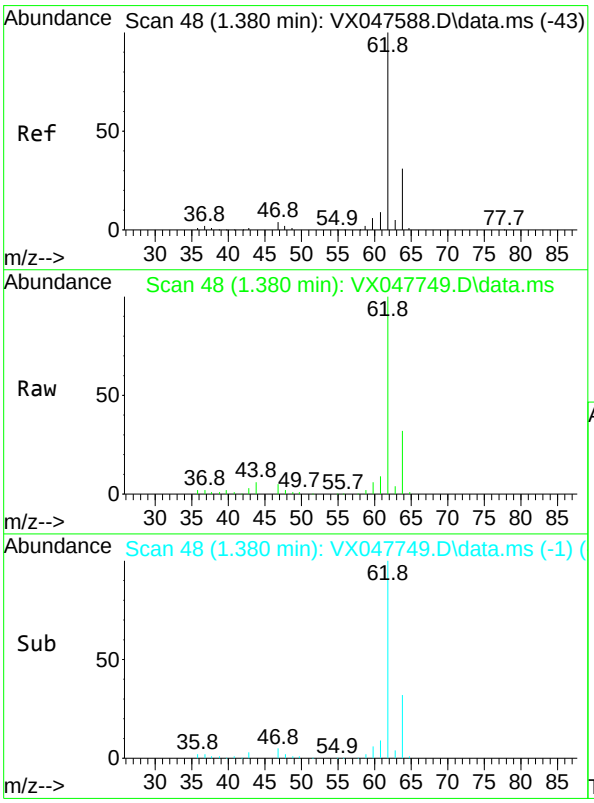
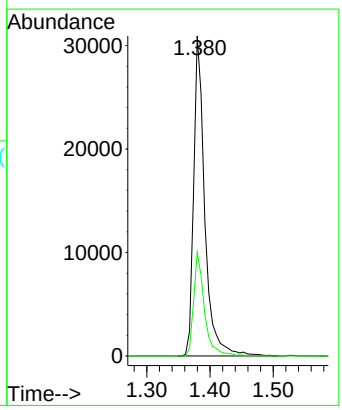
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

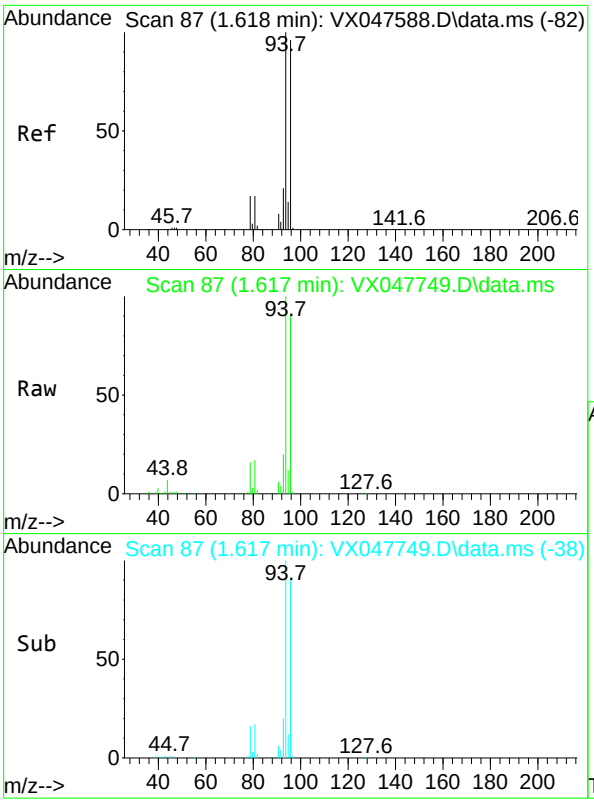



#4
Vinyl Chloride
Concen: 18.441 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 62 Resp: 37889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 24.9 | 37.3 |






#5
Bromomethane
Concen: 19.739 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

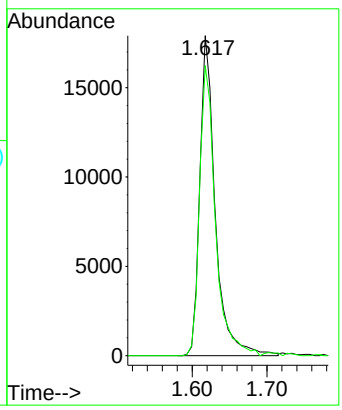
Tgt Ion: 94 Resp: 2571

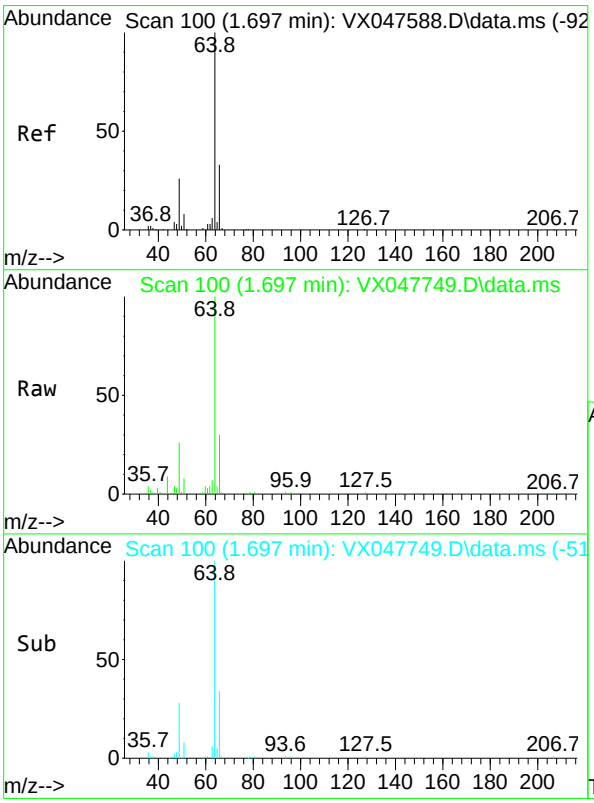
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.7 | 76.6 | 115.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

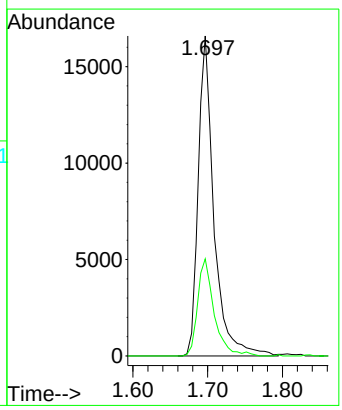


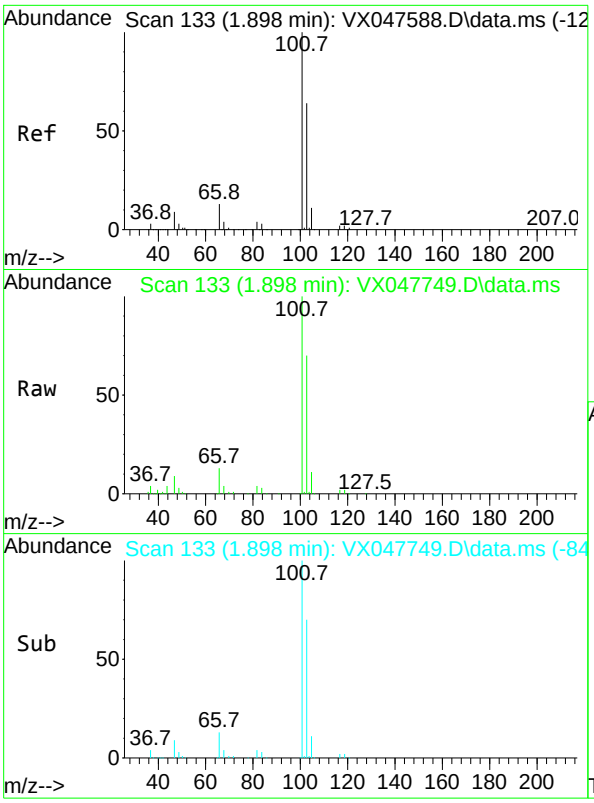




#6
Chloroethane
Concen: 17.573 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 64 Resp: 24132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 26.1 | 39.1 |

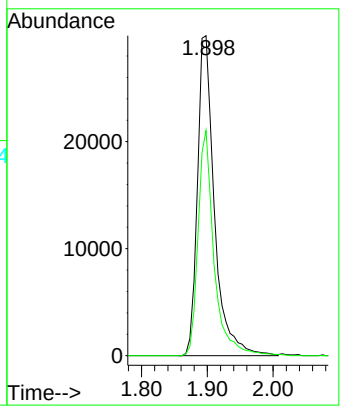





#7
Trichlorofluoromethane
Concen: 17.620 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:101 Resp: 5375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 70.4 | 51.4 | 77.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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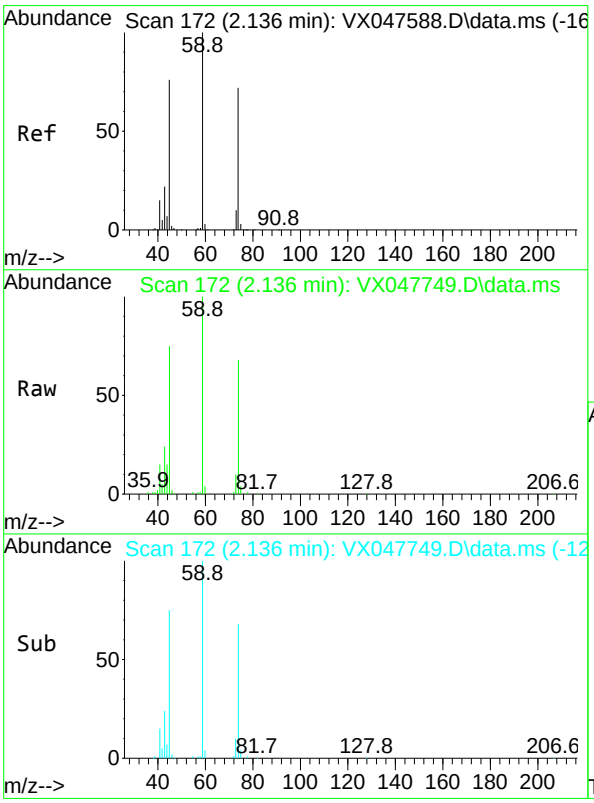
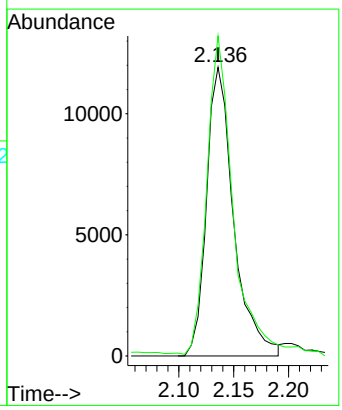
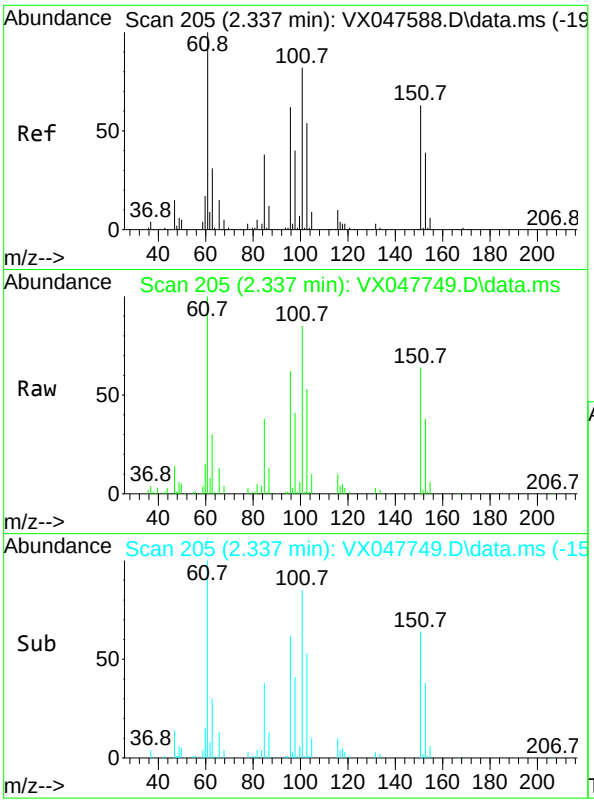



#8
Diethyl Ether
Concen: 16.462 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 74 Resp: 20543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.1 | 52.3 | 156.8 |






#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.267 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:101 Resp: 3080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.5 | 53.3 |
| 151 | 75.6 | 59.4 | 89.0 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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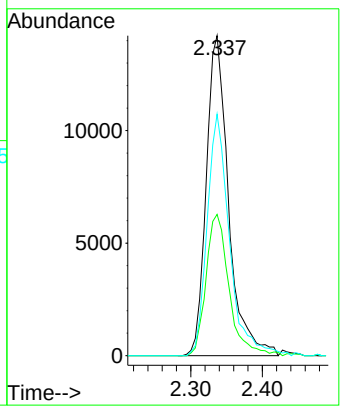
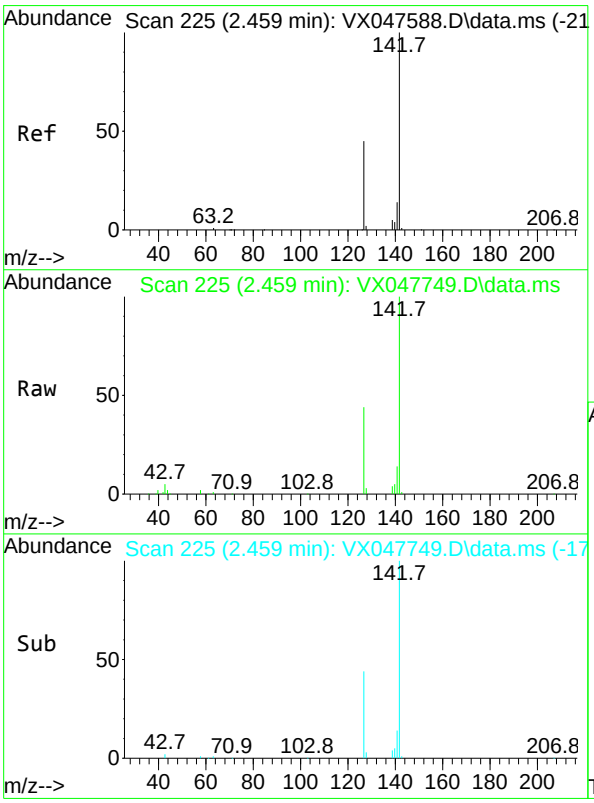
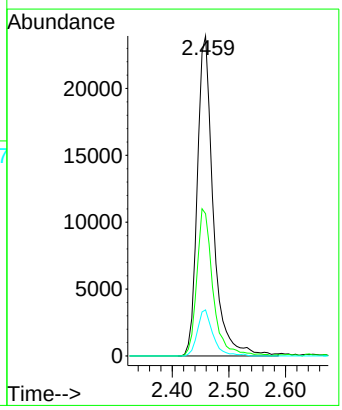


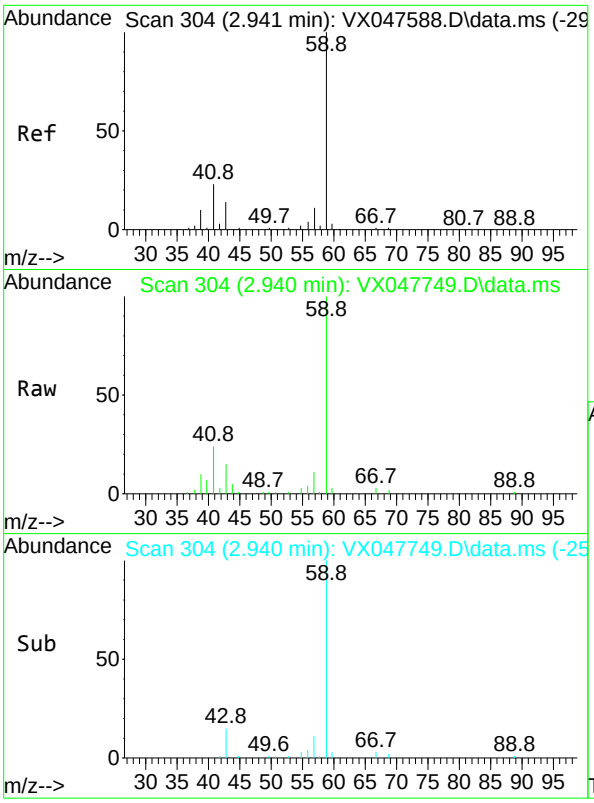




#10
Methyl Iodide
Concen: 16.795 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:142 Resp: 46724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |

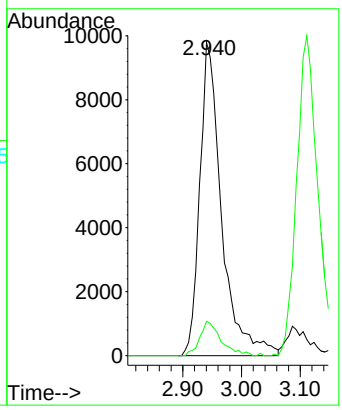





#11
Tert butyl alcohol
Concen: 92.450 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 59 Resp: 2527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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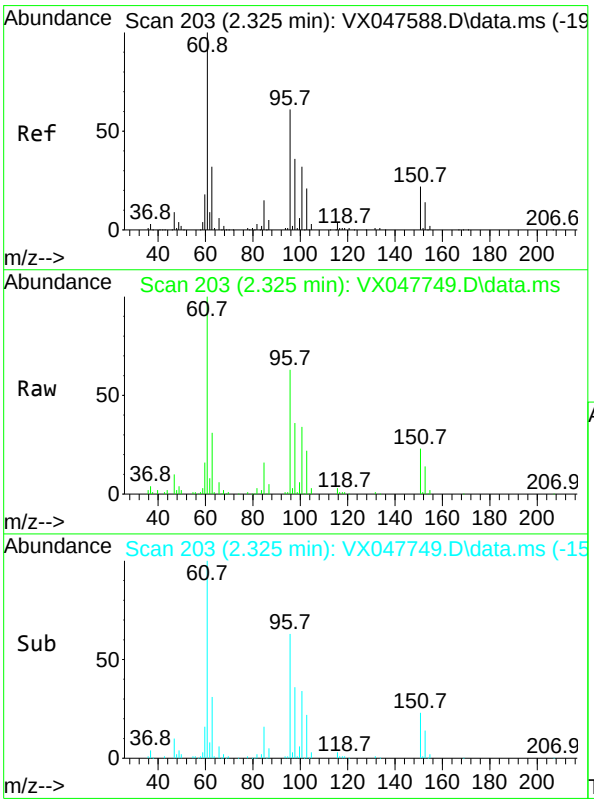
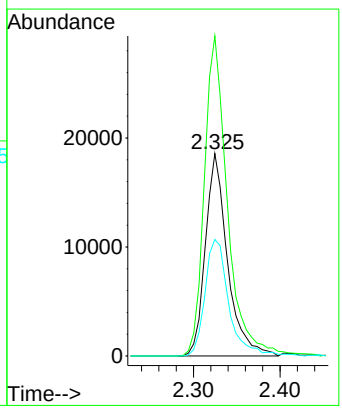
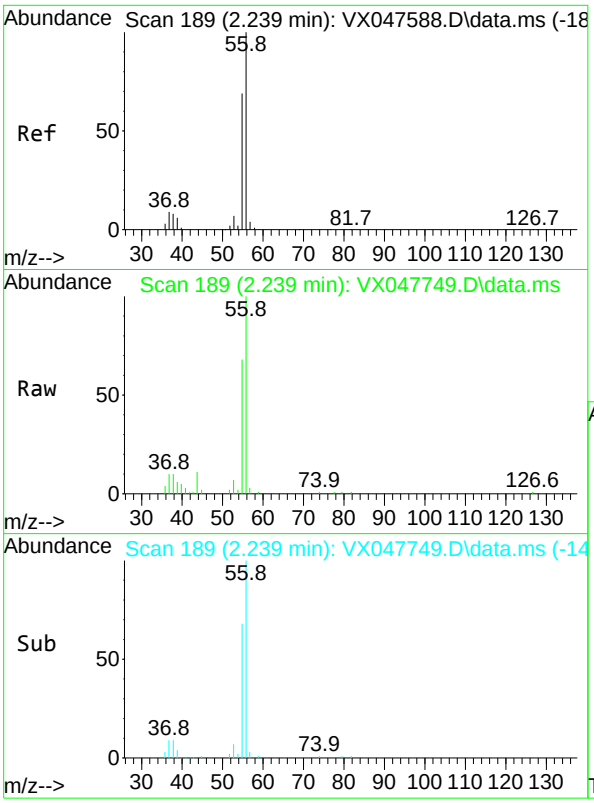



#12
1,1-Dichloroethene
Concen: 17.992 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 96 Resp: 32967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.1 | 131.0 | 196.6 |
| 98 | 57.5 | 47.7 | 71.5 |

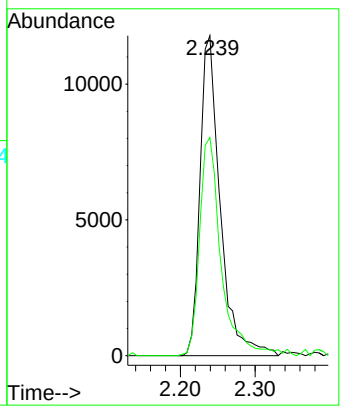





#13
Acrolein
Concen: 87.491 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 56 Resp: 2204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.5 | 57.2 | 85.8 |




**Instrument :**
MSVOA_X
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VX0923WBSD03

**Manual Integrations**
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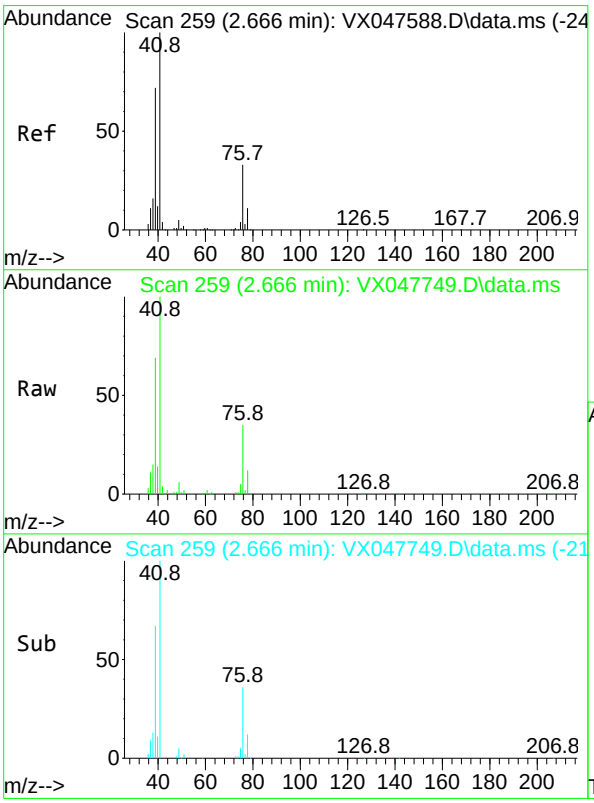
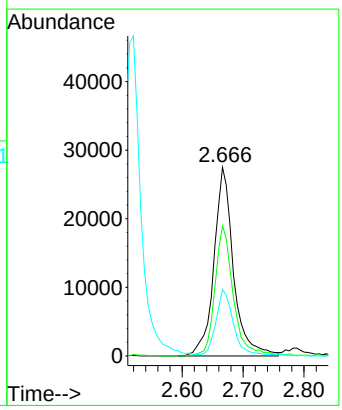
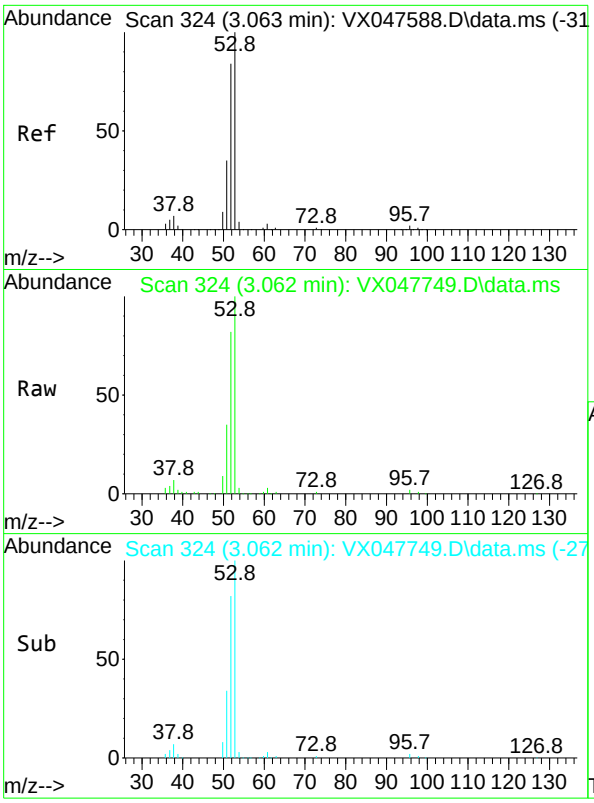



#14
Allyl chloride
Concen: 16.234 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 41 Resp: 61383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.1 | 54.7 | 82.1 |
| 76 | 32.2 | 25.7 | 38.5 |

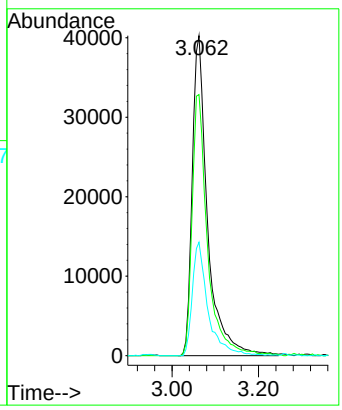





#15
Acrylonitrile
Concen: 97.927 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 53 Resp: 9917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.3 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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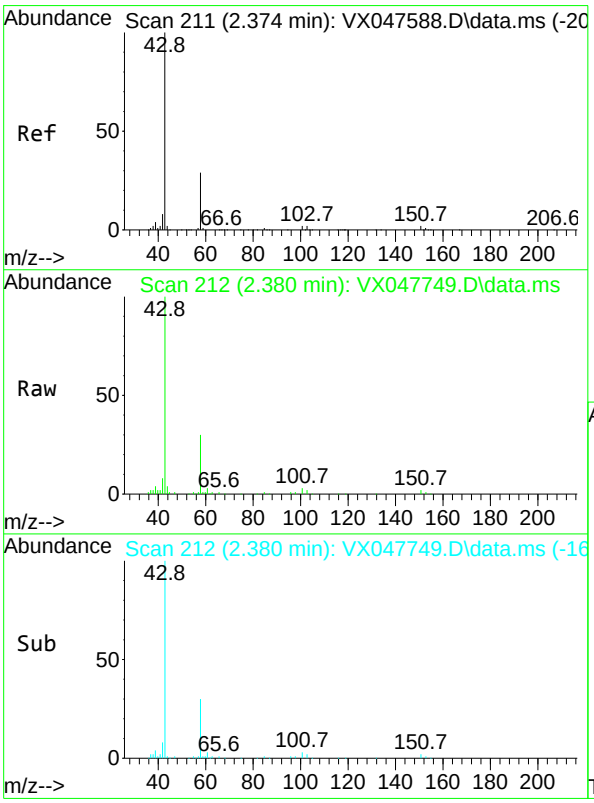
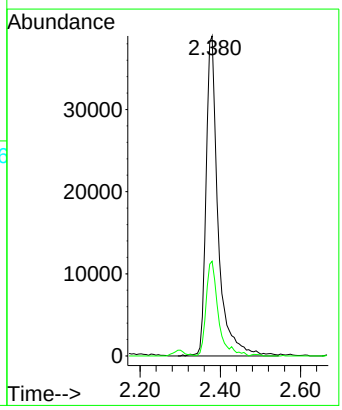
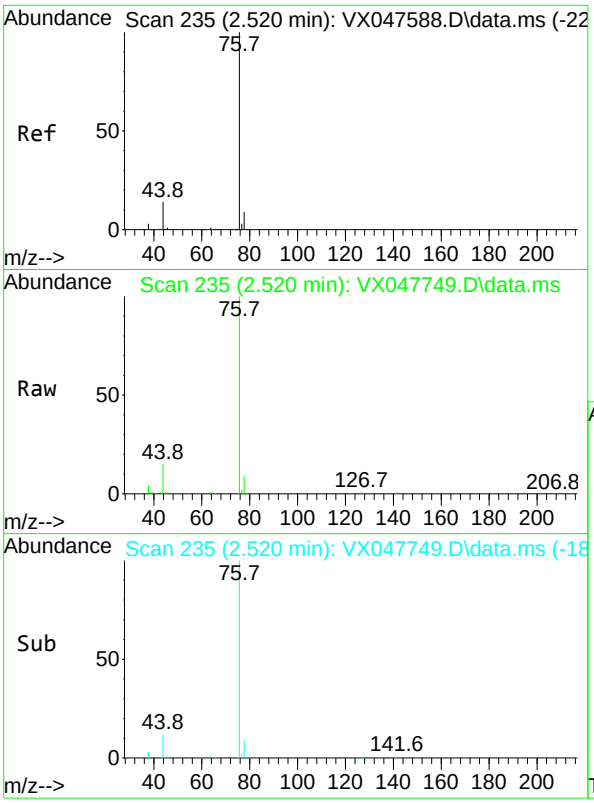



#16
Acetone
Concen: 75.863 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 80974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 23.4 | 35.0 |

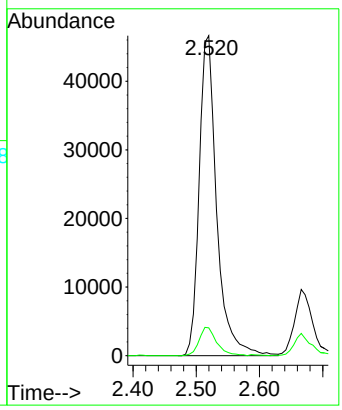





#17
Carbon Disulfide
Concen: 17.953 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 76 Resp: 9005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 6.8 | 10.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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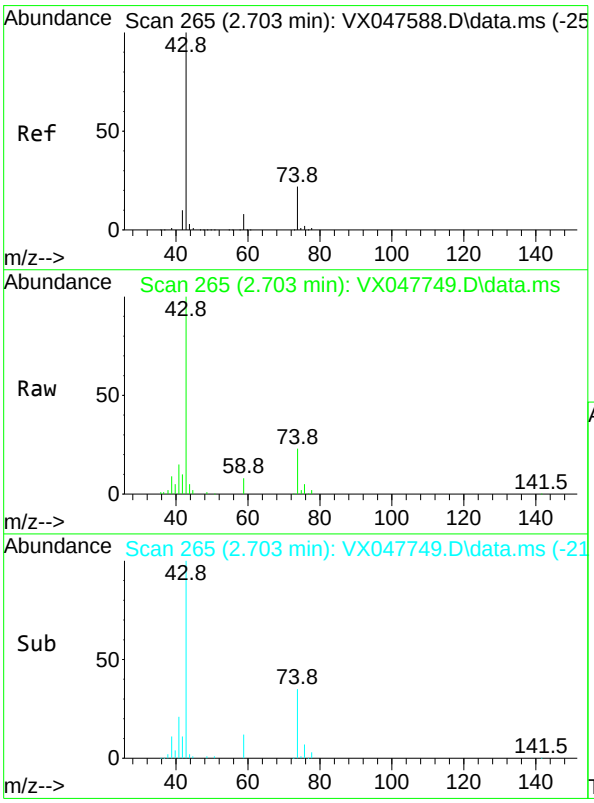
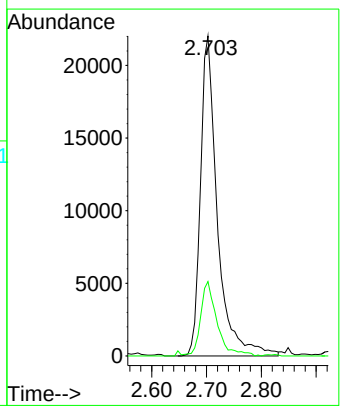
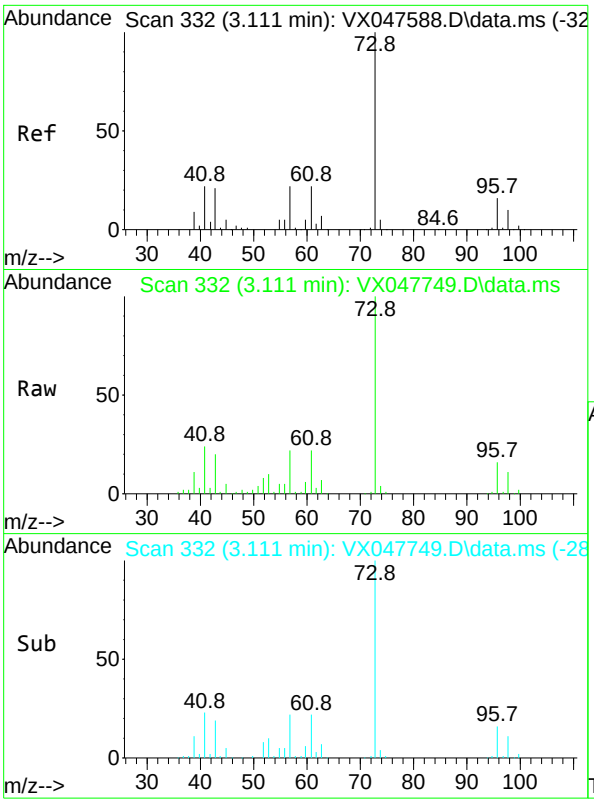



#18
Methyl Acetate
Concen: 19.846 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 47143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.5 | 17.4 | 26.2 |

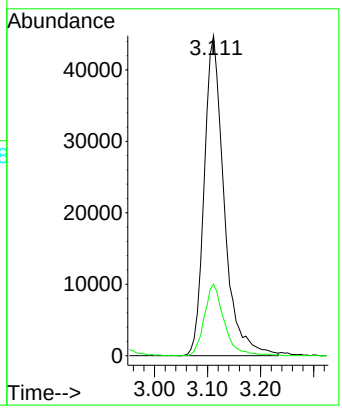





#19
Methyl tert-butyl Ether
Concen: 17.451 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 73 Resp: 11672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.4 | 26.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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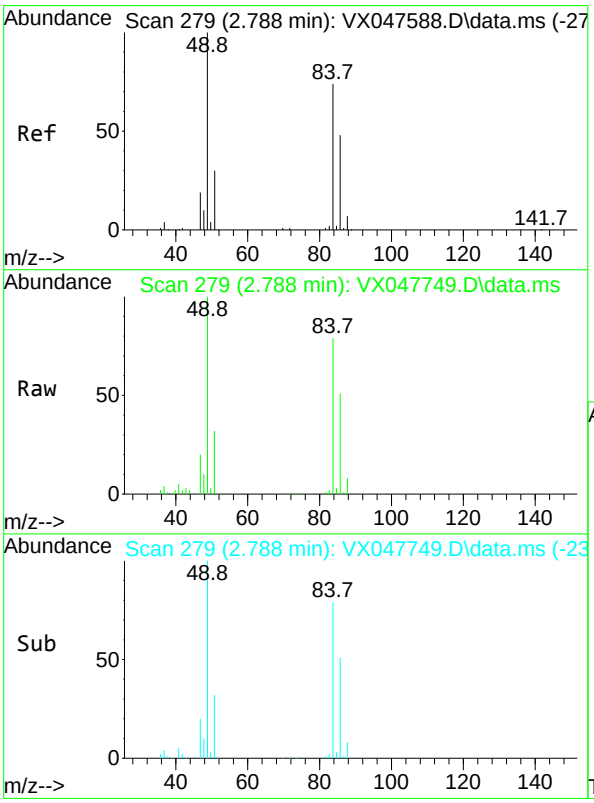
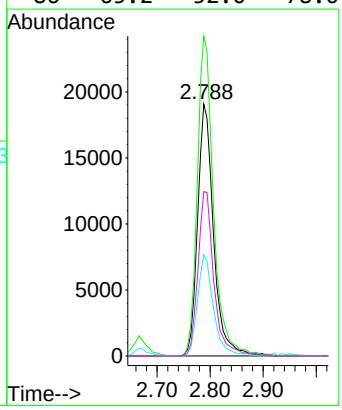
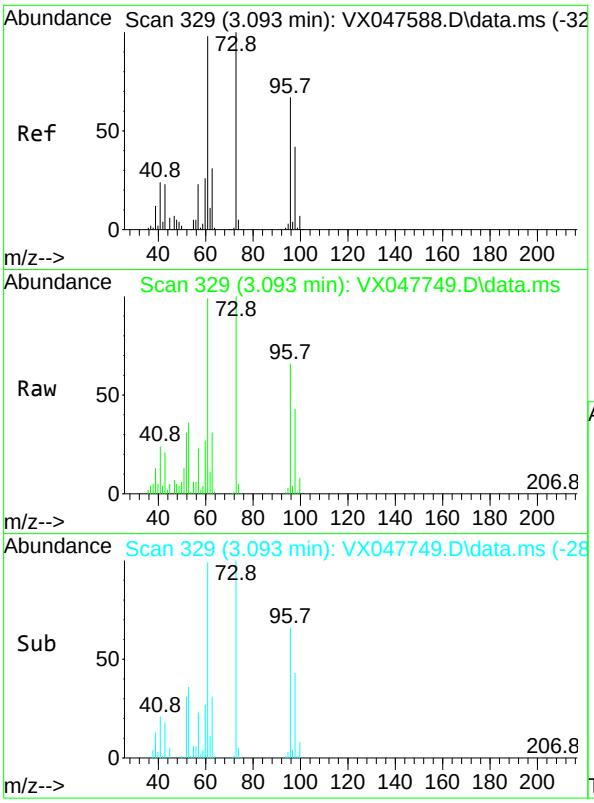



#20
Methylene Chloride
Concen: 17.666 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 84 Resp: 39914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.0 | 108.6 | 162.8 |
| 51 | 40.2 | 32.6 | 48.8 |
| 86 | 65.2 | 52.0 | 78.0 |

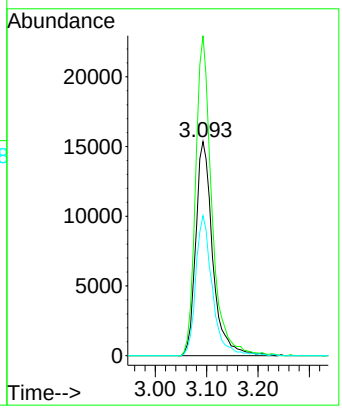





#21
trans-1,2-Dichloroethene
Concen: 17.798 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 96 Resp: 3511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.9 | 116.2 | 174.2 |
| 98 | 61.7 | 49.3 | 73.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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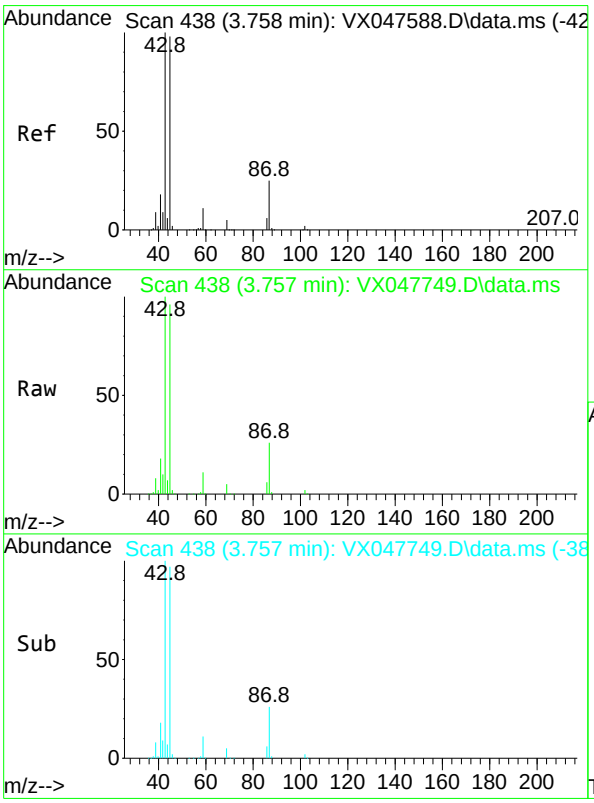
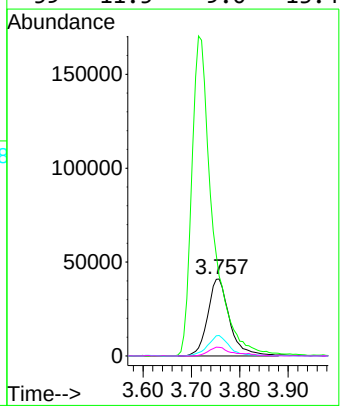
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

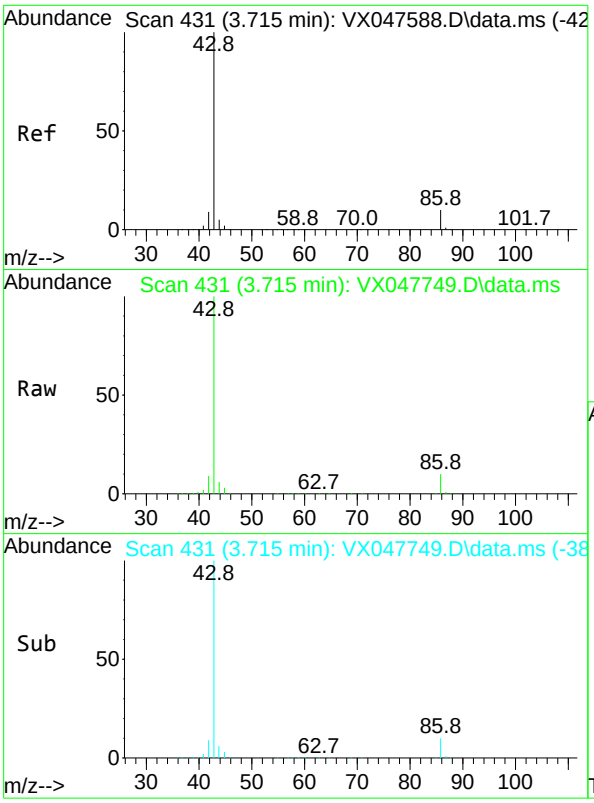



#22
Diisopropyl ether
Concen: 17.583 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 45 Resp: 128843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.3 | 81.0 | 121.4 |
| 87 | 26.7 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |






#23
Vinyl Acetate
Concen: 87.666 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 51413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 7.8 | 11.8 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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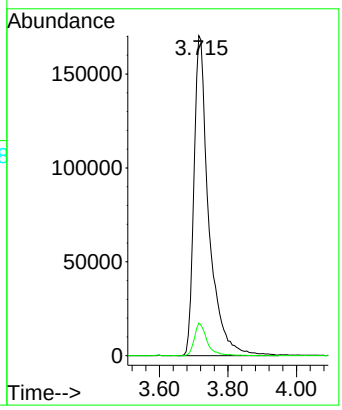
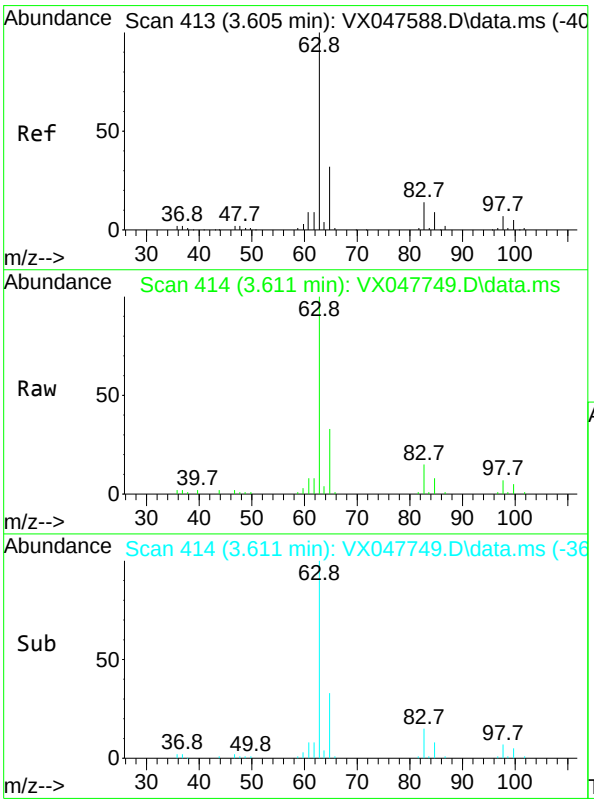
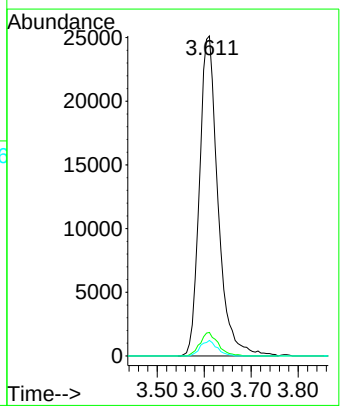


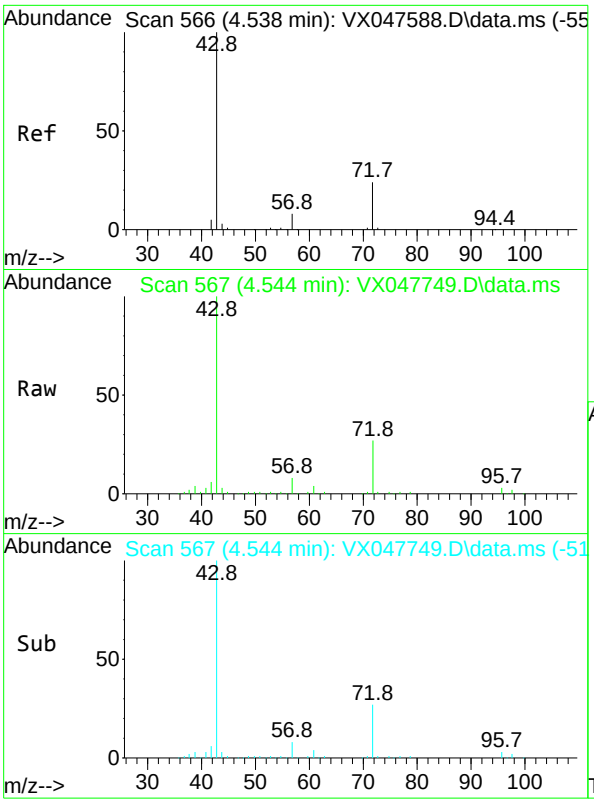




#24
1,1-Dichloroethane
Concen: 17.640 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 63 Resp: 68705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.8 | 11.2 |
| 100 | 4.8 | 2.3 | 6.9 |

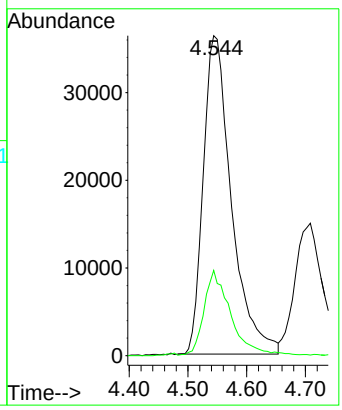





#25
2-Butanone
Concen: 90.824 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 12092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.7 | 20.1 | 30.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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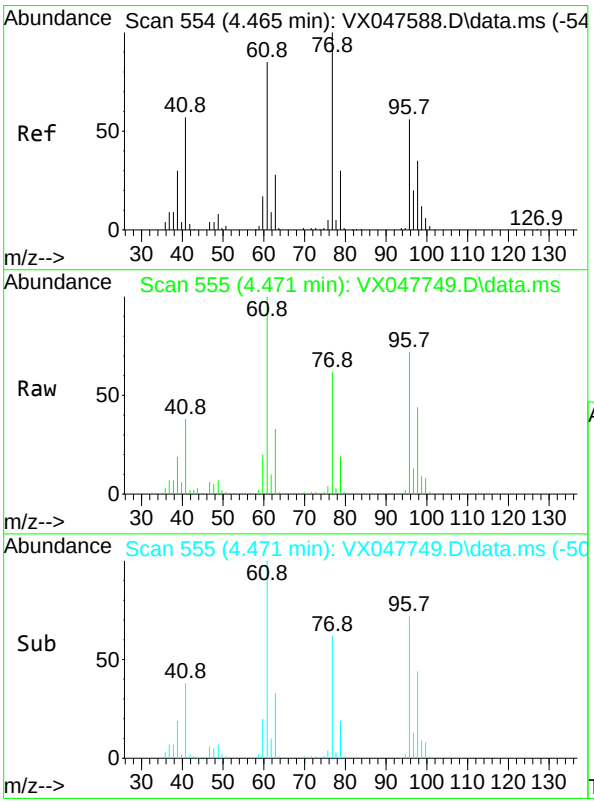
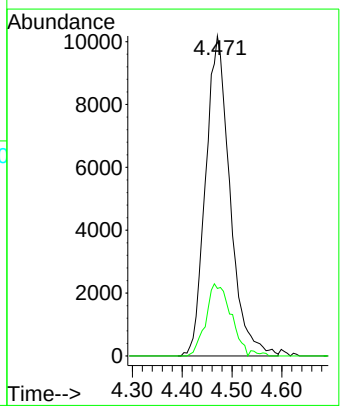
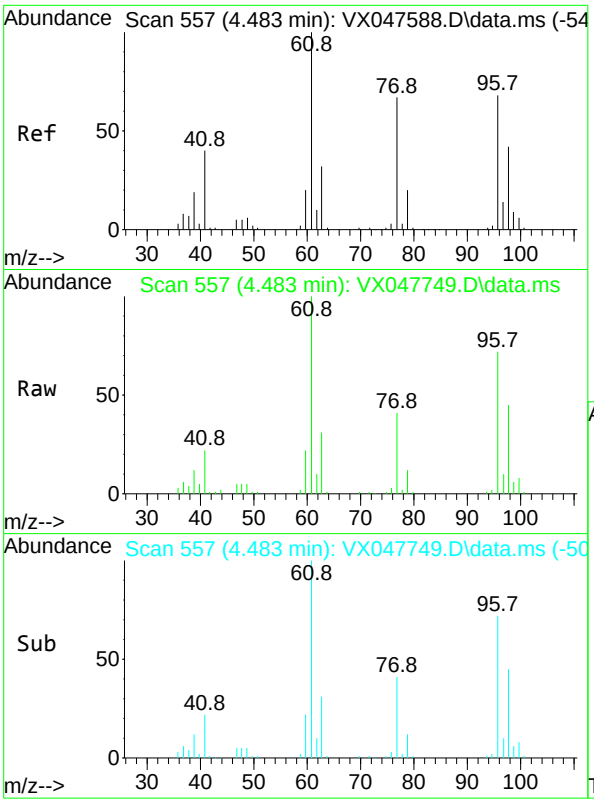



#26
2,2-Dichloropropane
Concen: 10.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 77 Resp: 34586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.9 | 32.7 |

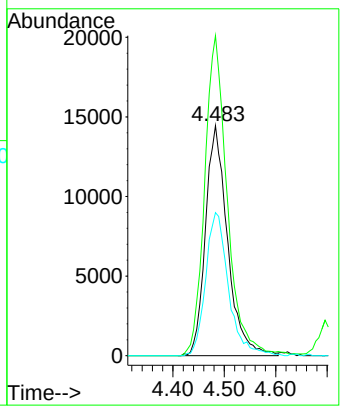





#27
cis-1,2-Dichloroethene
Concen: 17.862 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 96 Resp: 4315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 0.0 | 303.2 |
| 98 | 64.3 | 0.0 | 127.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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Reviewed By :John Carlone 09/24/2025
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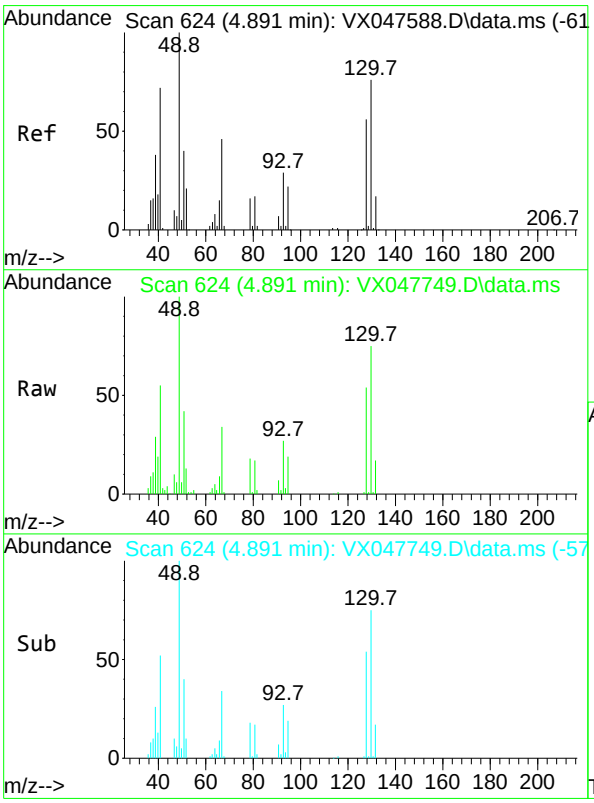
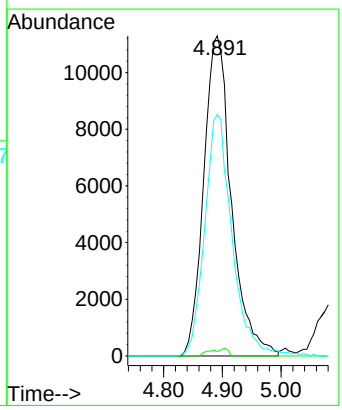
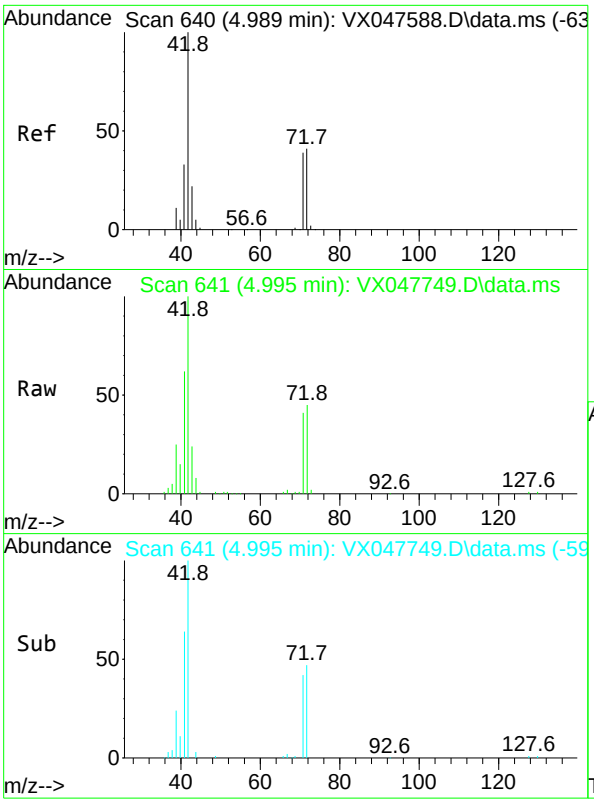



#28
Bromochloromethane
Concen: 21.721 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 49 Resp: 36933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.5 | 0.0 | 3.2 |
| 130 | 74.7 | 57.8 | 86.8 |






#29
Tetrahydrofuran
Concen: 96.655 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 42 Resp: 7741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.2 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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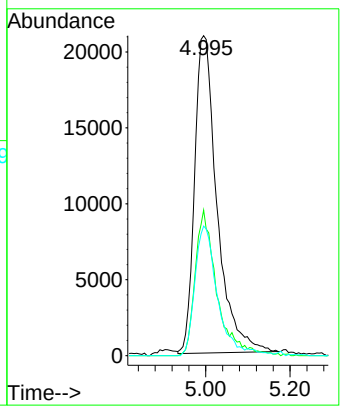
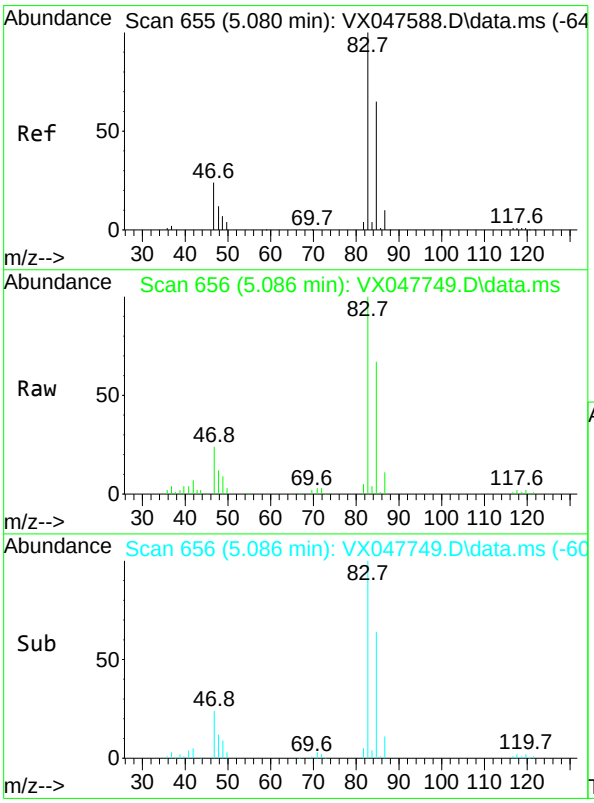
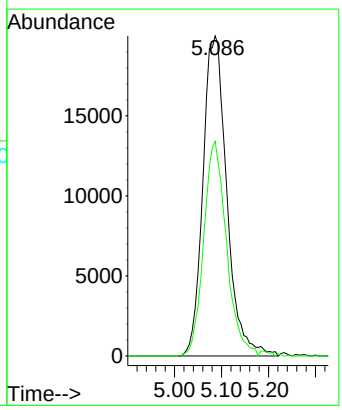


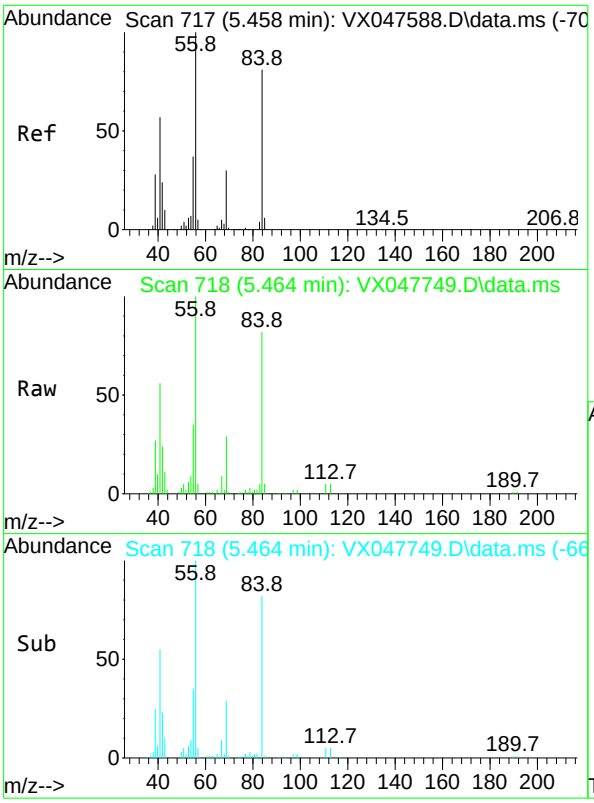




#30
Chloroform
Concen: 17.922 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 83 Resp: 70538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.3 | 51.8 | 77.6 |

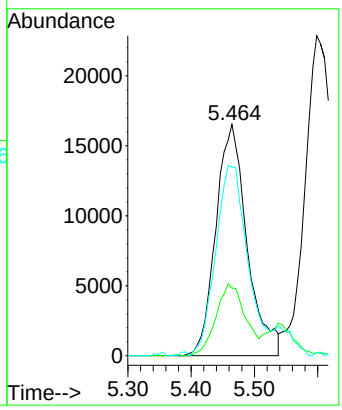





#31
Cyclohexane
Concen: 17.427 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 56 Resp: 5653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 23.8 | 35.8 |
| 84 | 81.5 | 64.6 | 97.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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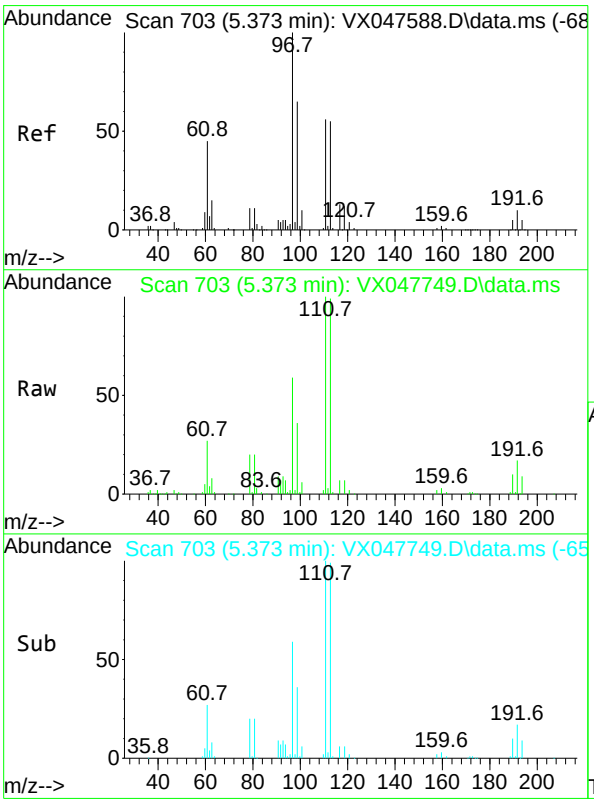
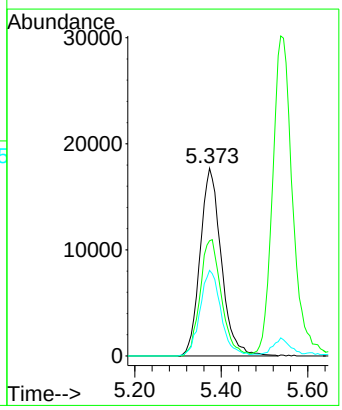
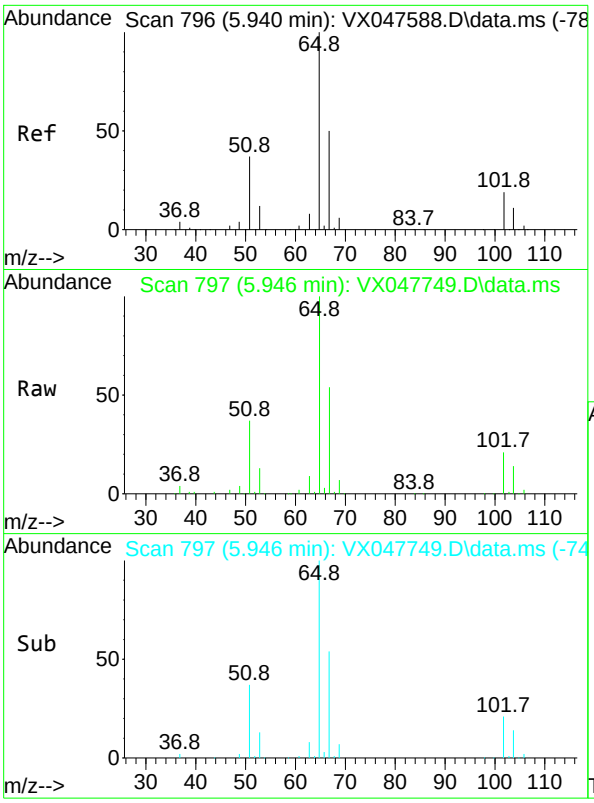



#32
1,1,1-Trichloroethane
Concen: 17.972 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 97 Resp: 59999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.4 | 50.6 | 76.0 |
| 61 | 45.1 | 35.8 | 53.8 |

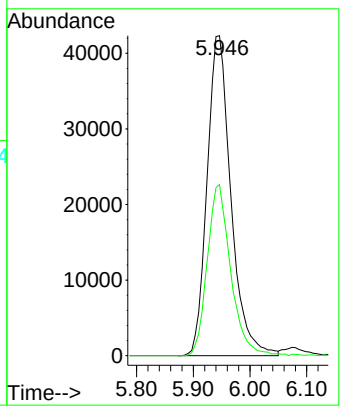





#33
1,2-Dichloroethane-d4
Concen: 50.353 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 65 Resp: 12360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 103.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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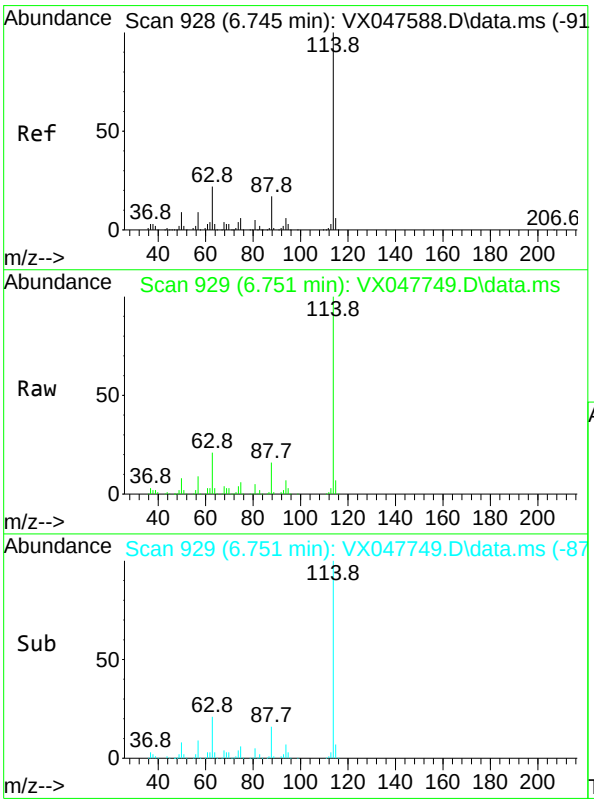
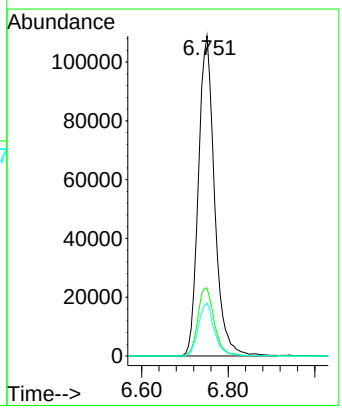
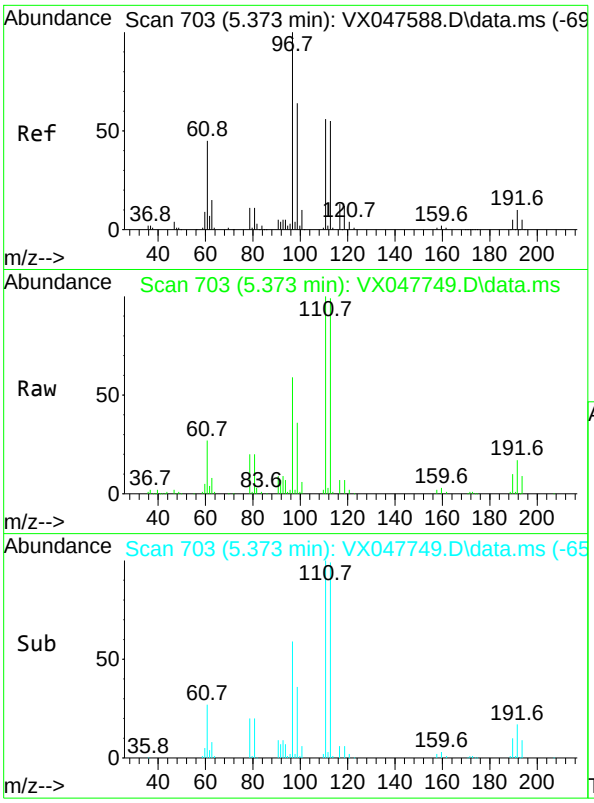



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:114 Resp: 281988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |

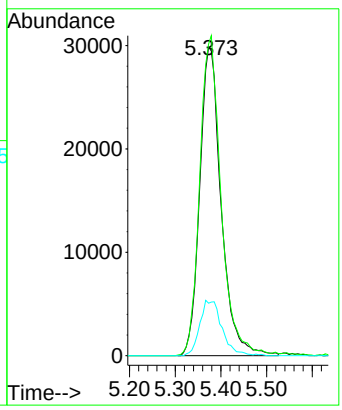





#35
Dibromofluoromethane
Concen: 51.300 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:113 Resp: 9701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.9 | 121.3 |
| 192 | 18.4 | 14.2 | 21.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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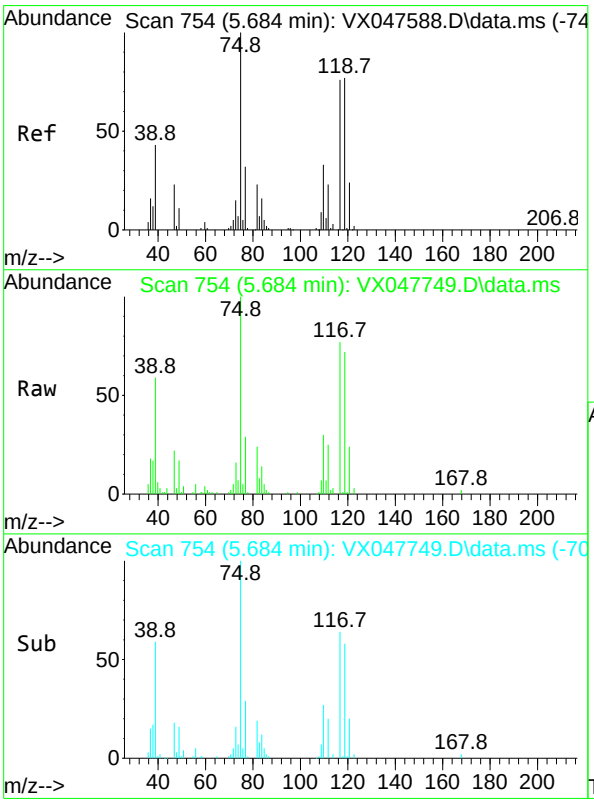
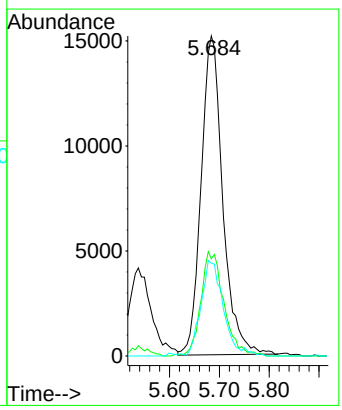
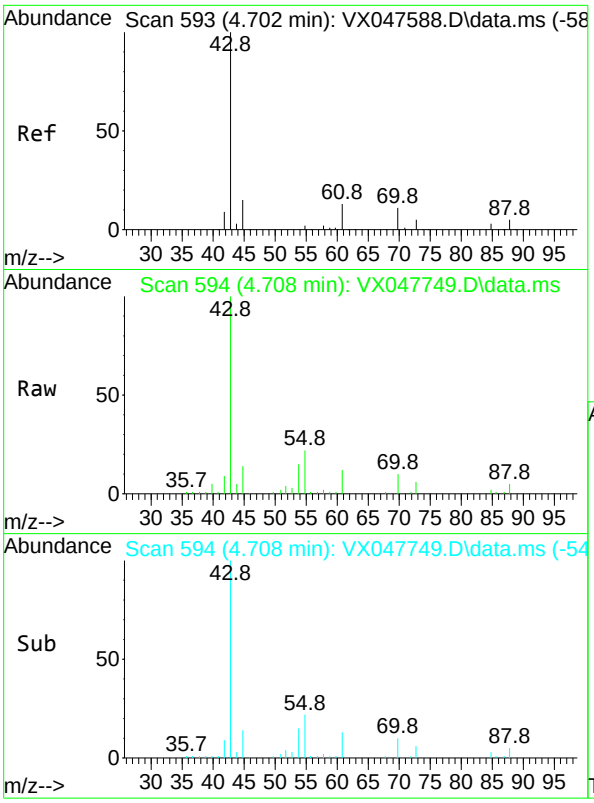



#36
1,1-Dichloropropene
Concen: 16.558 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 45756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 16.7 | 50.1 |
| 77 | 30.9 | 24.3 | 36.5 |

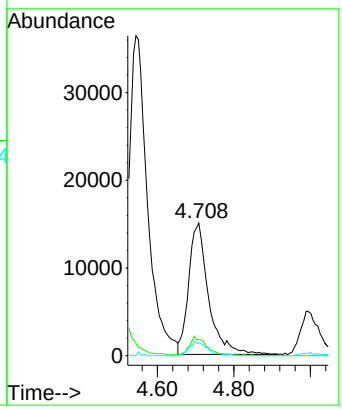





#37
Ethyl Acetate
Concen: 18.208 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 5387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 9.8 | 14.8 |
| 70 | 9.9 | 7.9 | 11.9 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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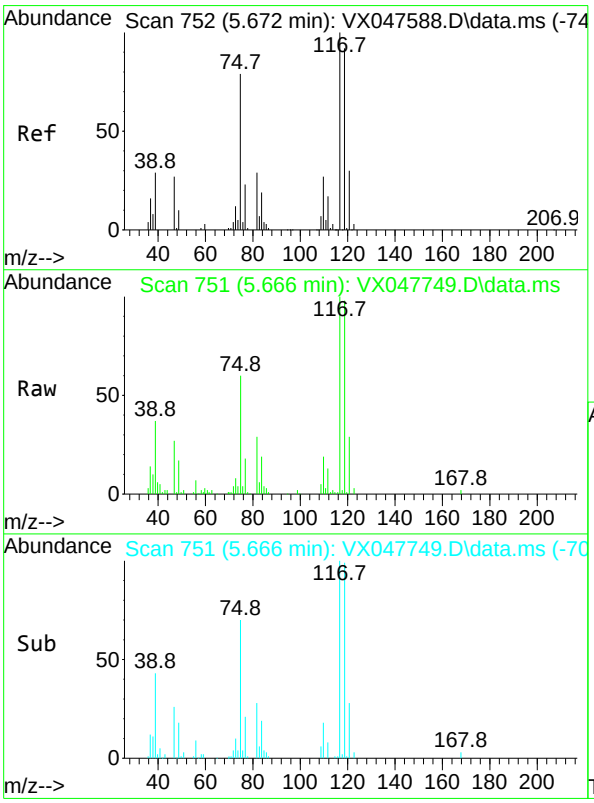
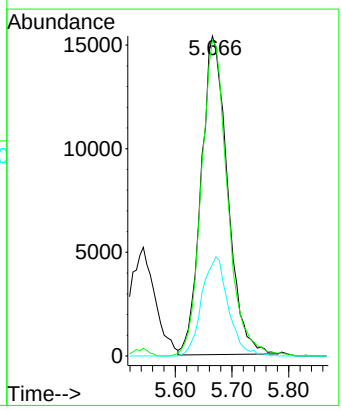
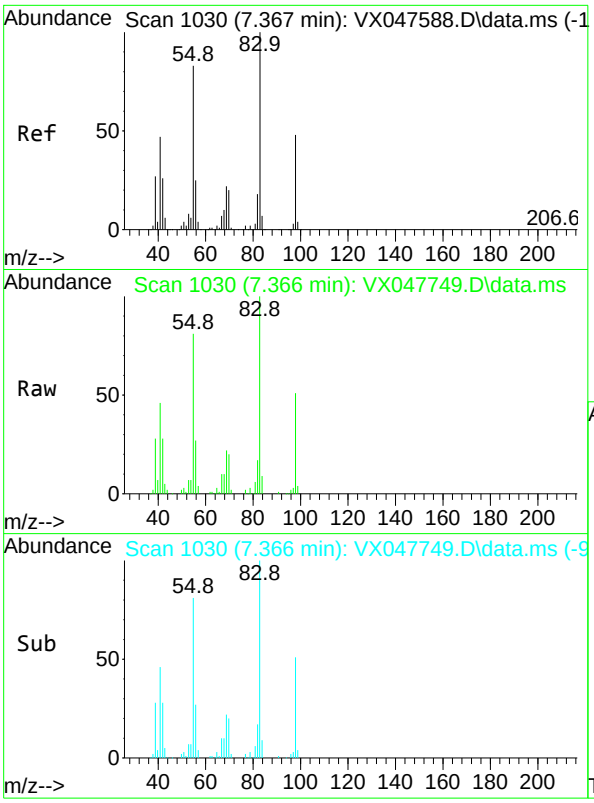



#38
Carbon Tetrachloride
Concen: 16.532 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:117 Resp: 49639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 73.4 | 110.2 |
| 121 | 28.8 | 23.8 | 35.6 |

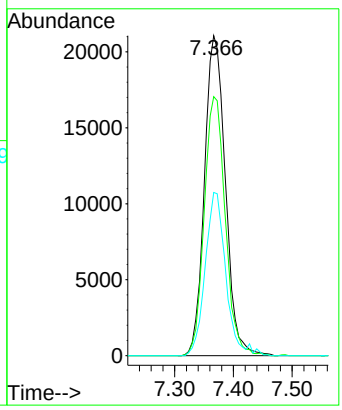





#39
Methylcyclohexane
Concen: 16.646 ug/l
RT: 7.366 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 83 Resp: 5221(

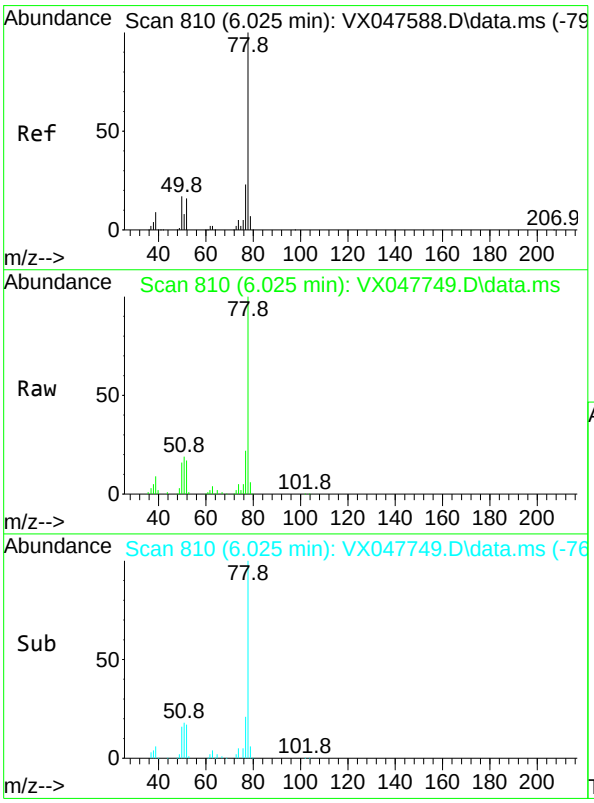
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 66.4 | 99.6 |
| 98 | 51.0 | 38.1 | 57.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

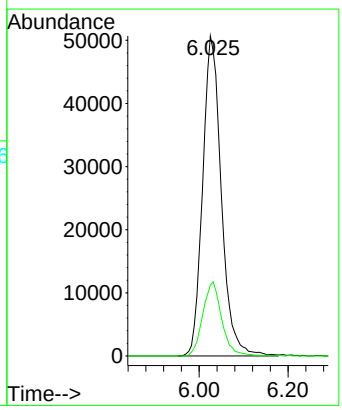
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

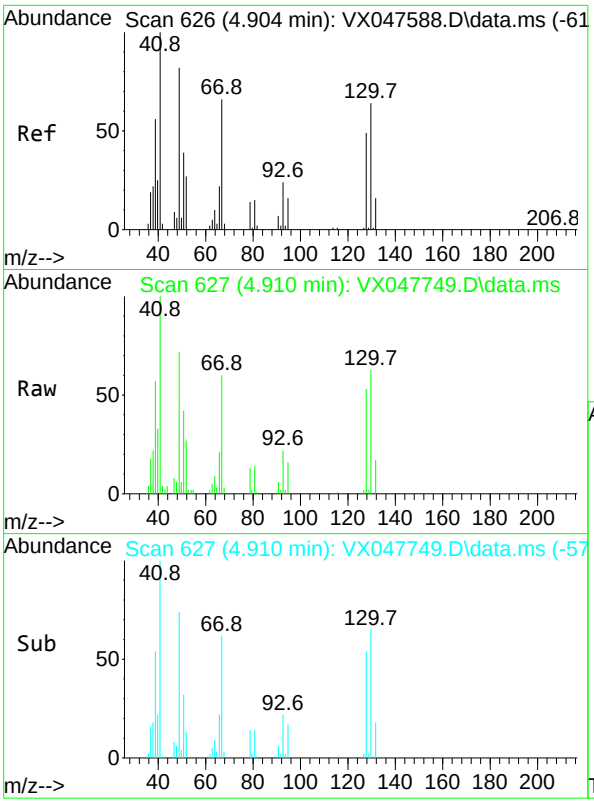



#40
Benzene
Concen: 17.674 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 78 Resp: 148339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.1 | 18.8 | 28.2 |

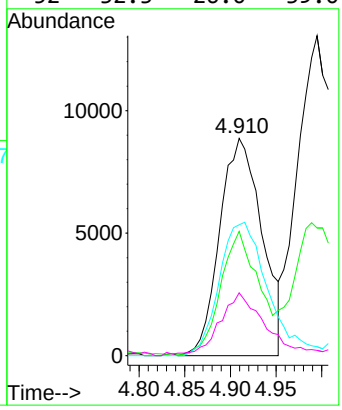





#41
Methacrylonitrile
Concen: 18.722 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 41 Resp: 2859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 50.1 | 43.3 | 64.9 |
| 67 | 70.1 | 58.6 | 87.8 |
| 52 | 32.3 | 26.0 | 39.0 |




**Instrument :**
MSVOA_X
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VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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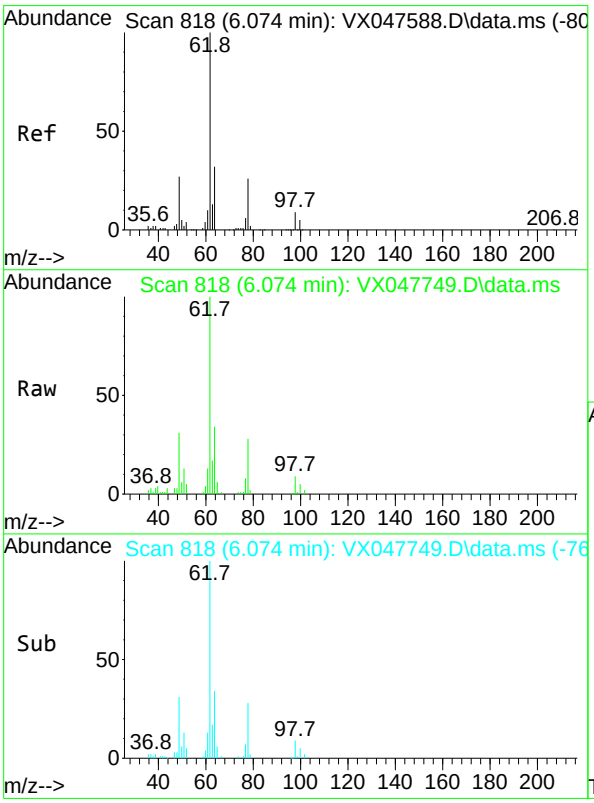
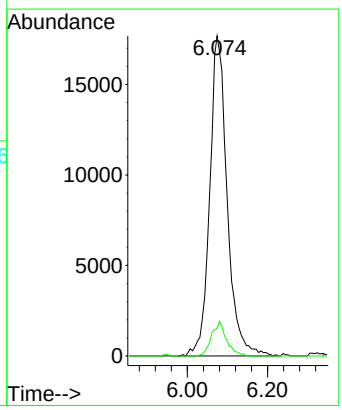
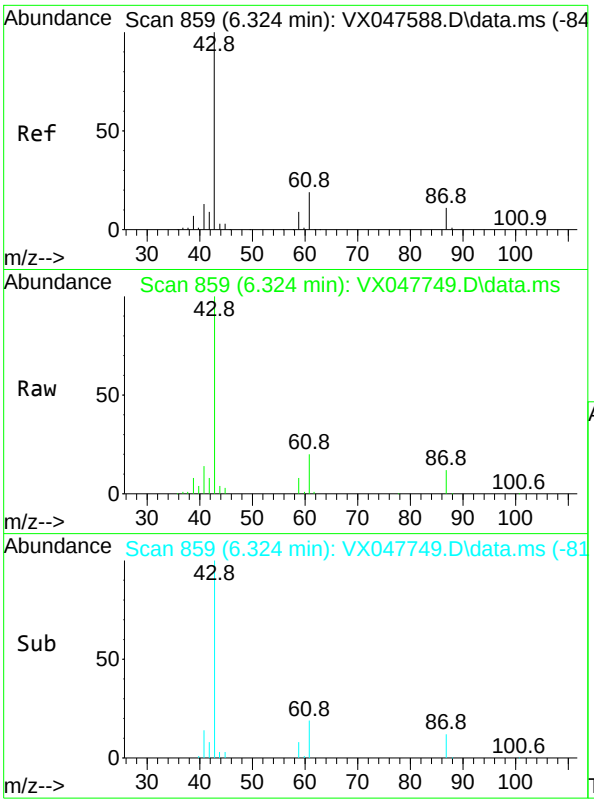



#42
1,2-Dichloroethane
Concen: 16.765 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 62 Resp: 53538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.0 |

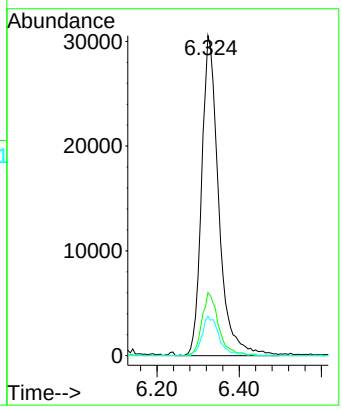





#43
Isopropyl Acetate
Concen: 18.134 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 8800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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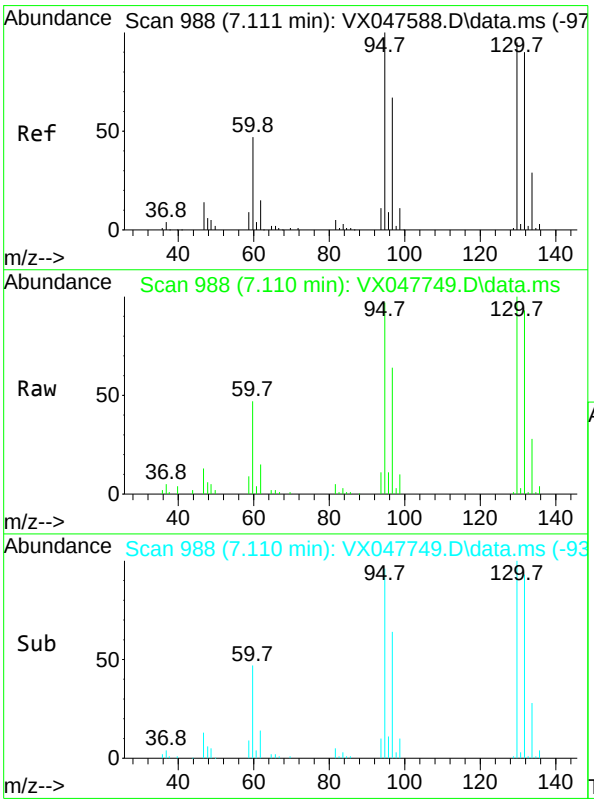
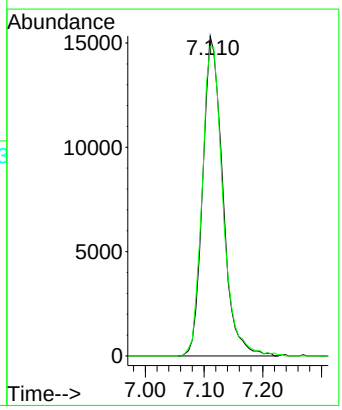
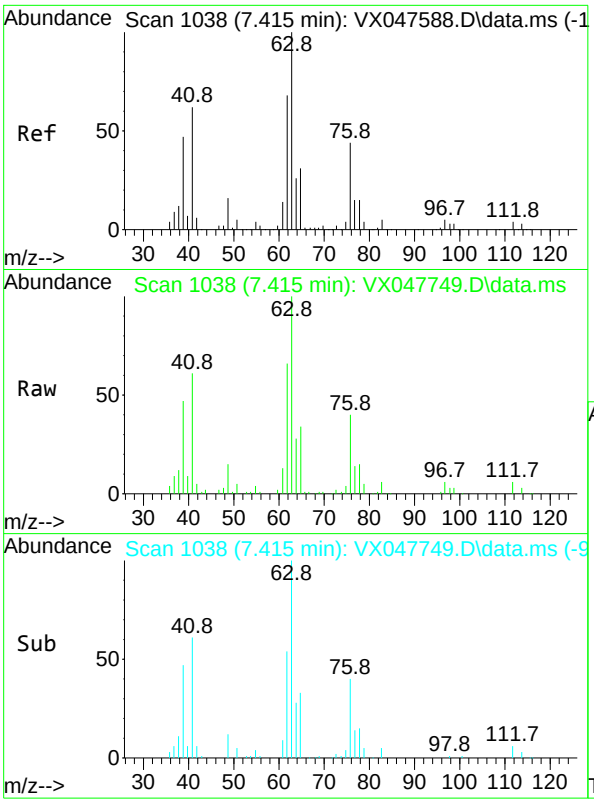



#44
Trichloroethene
Concen: 17.881 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:130 Resp: 36283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.7 | 0.0 | 210.8 |






#45
1,2-Dichloropropane
Concen: 17.893 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 63 Resp: 3845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.0 | 24.7 | 37.1 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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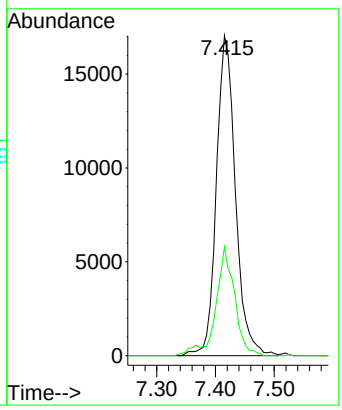
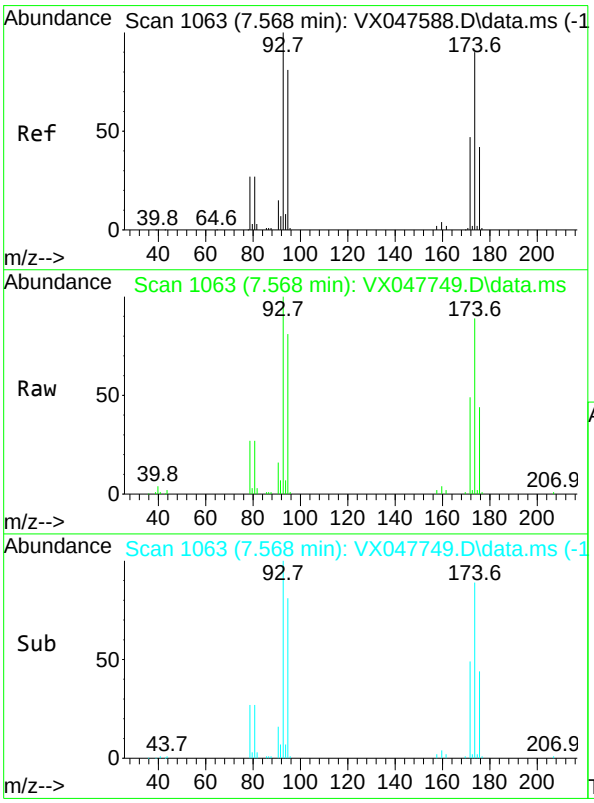
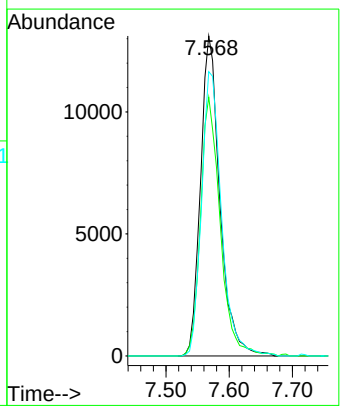


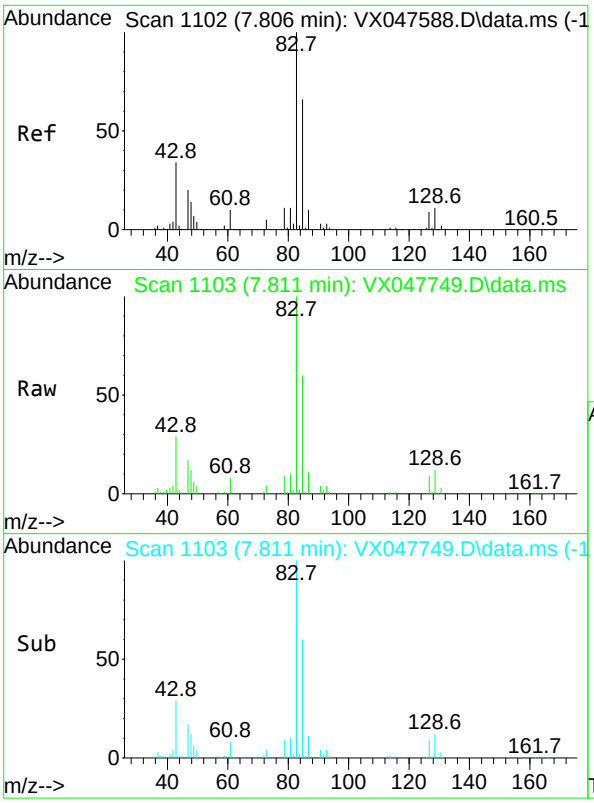




#46
Dibromomethane
Concen: 17.924 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 93 Resp: 28033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.8 | 65.0 | 97.6 |
| 174 | 91.4 | 71.6 | 107.4 |

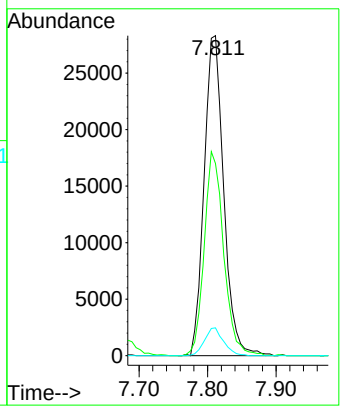





#47
Bromodichloromethane
Concen: 17.468 ug/l
RT: 7.811 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 83 Resp: 5637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.0 | 52.5 | 78.7 |
| 127 | 8.7 | 6.9 | 10.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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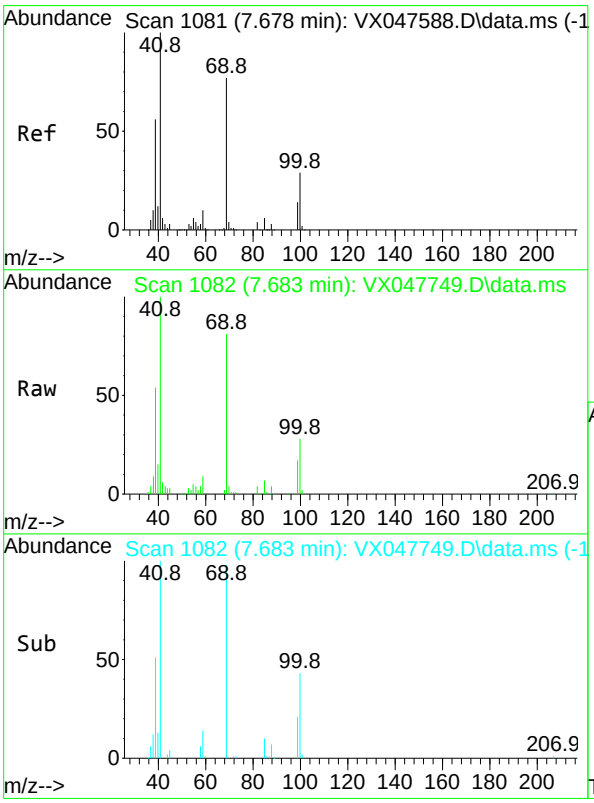
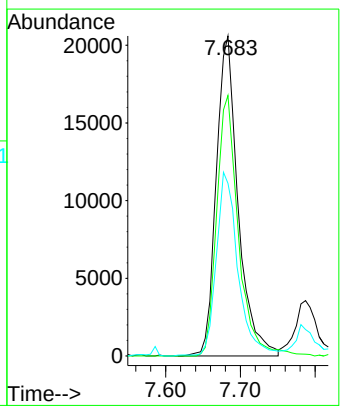
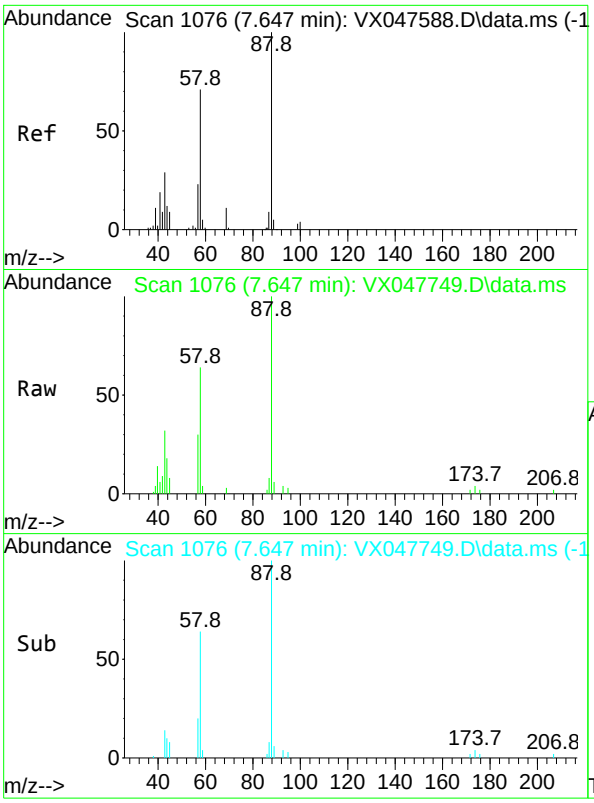



#48
Methyl methacrylate
Concen: 17.332 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 41 Resp: 41895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 61.4 | 92.2 |
| 39 | 57.0 | 45.8 | 68.6 |






#49
1,4-Dioxane
Concen: 446.778 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 88 Resp: 1091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.5 | 30.2 | 45.2 |
| 58 | 69.7 | 59.5 | 89.3 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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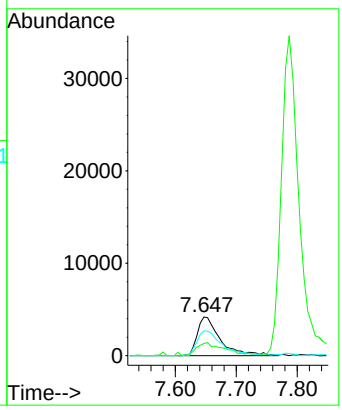
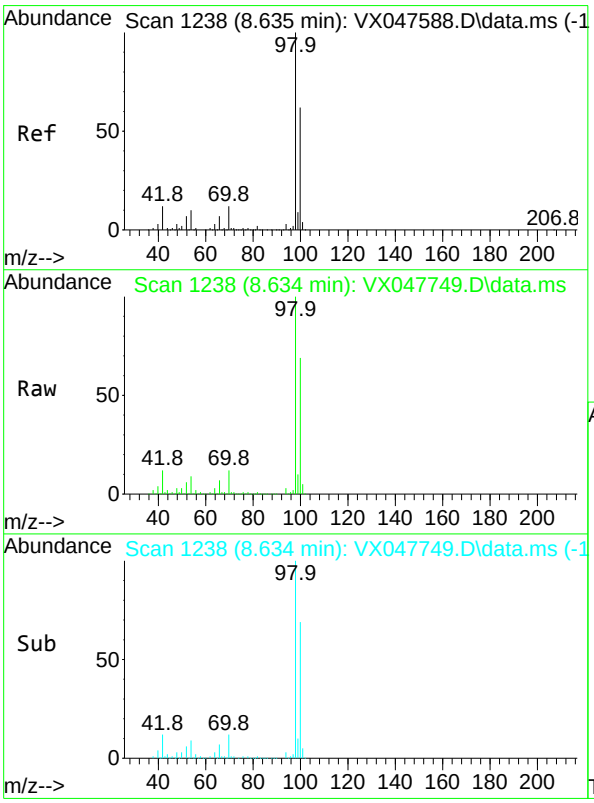
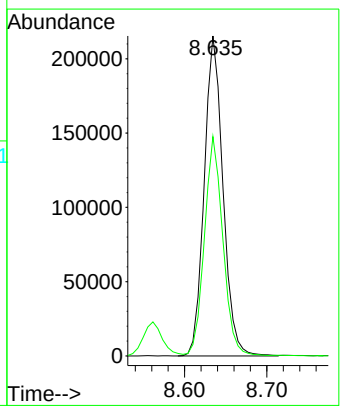


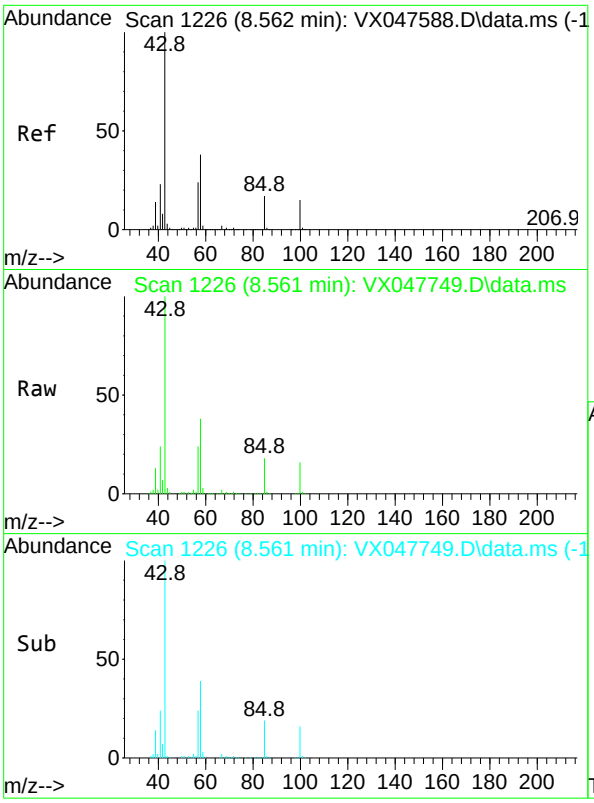




#50
Toluene-d8
Concen: 52.151 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 98 Resp: 341263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |

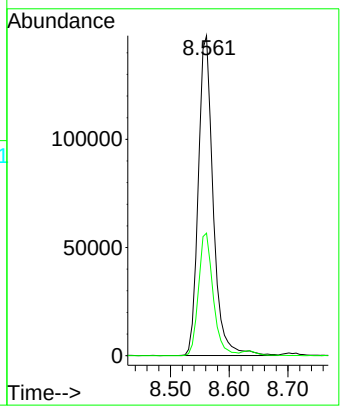





#51
4-Methyl-2-Pentanone
Concen: 96.387 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 25933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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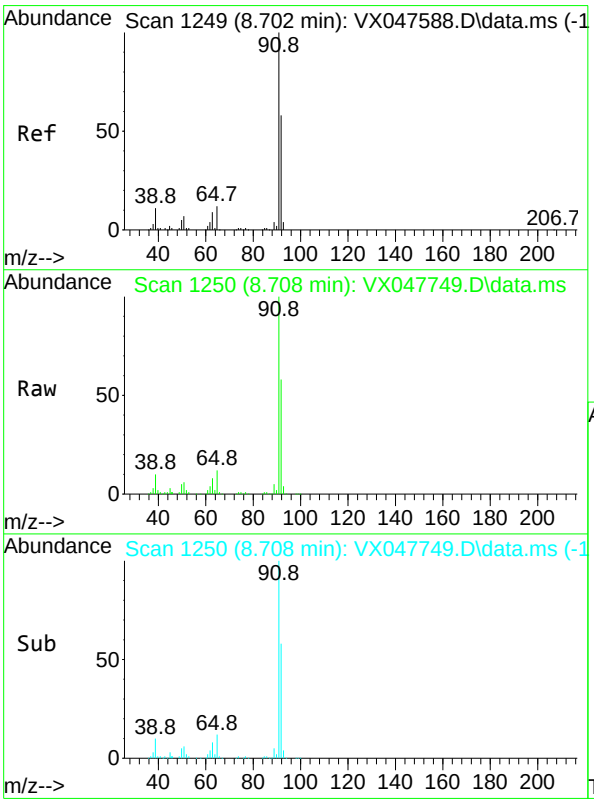
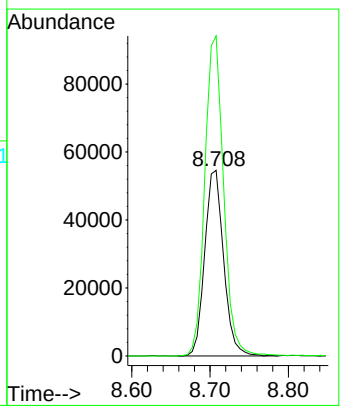
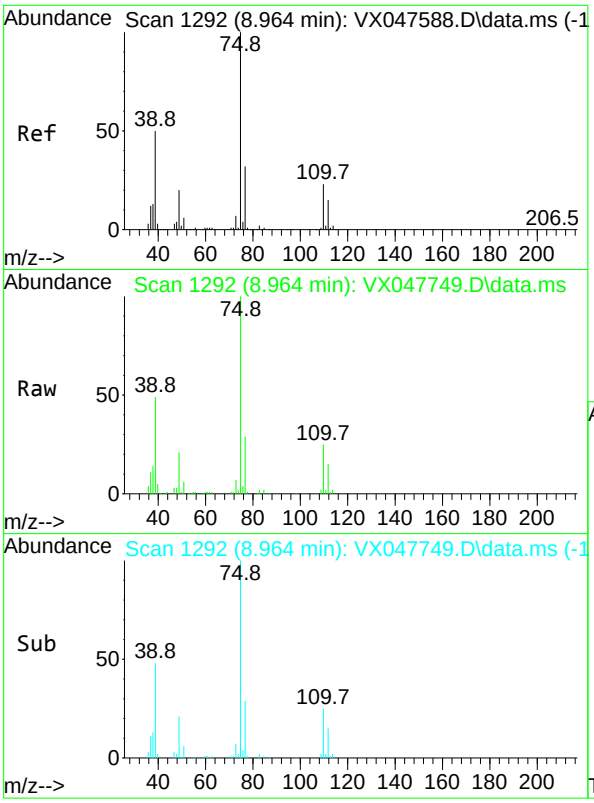



#52
Toluene
Concen: 17.679 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 92 Resp: 91422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.1 | 205.7 |

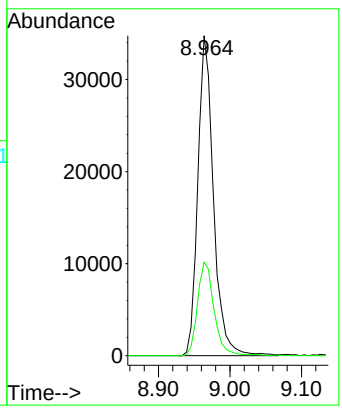





#53
t-1,3-Dichloropropene
Concen: 16.036 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 5278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.2 | 25.4 | 38.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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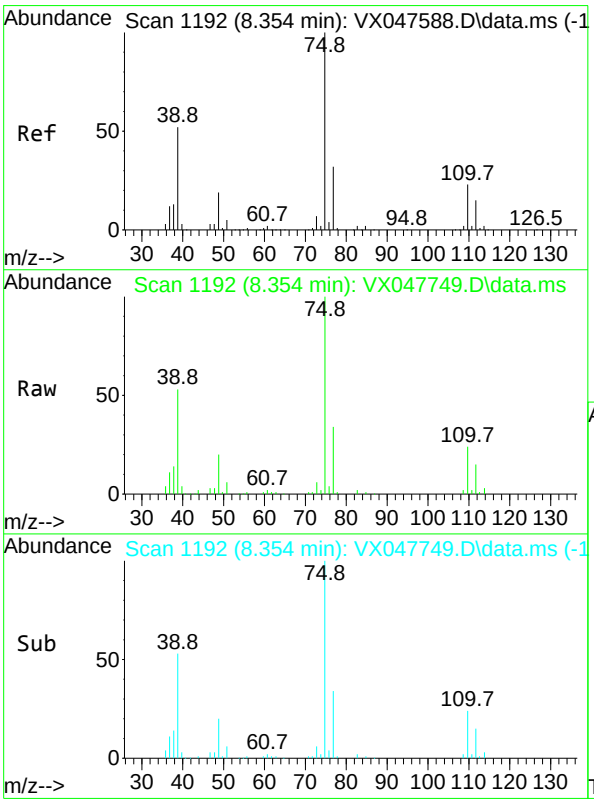
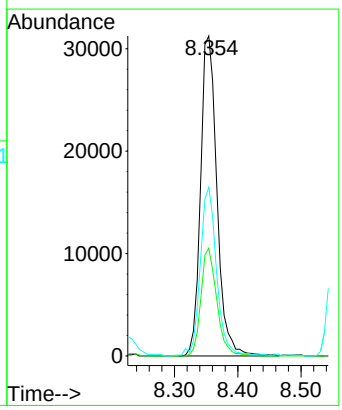
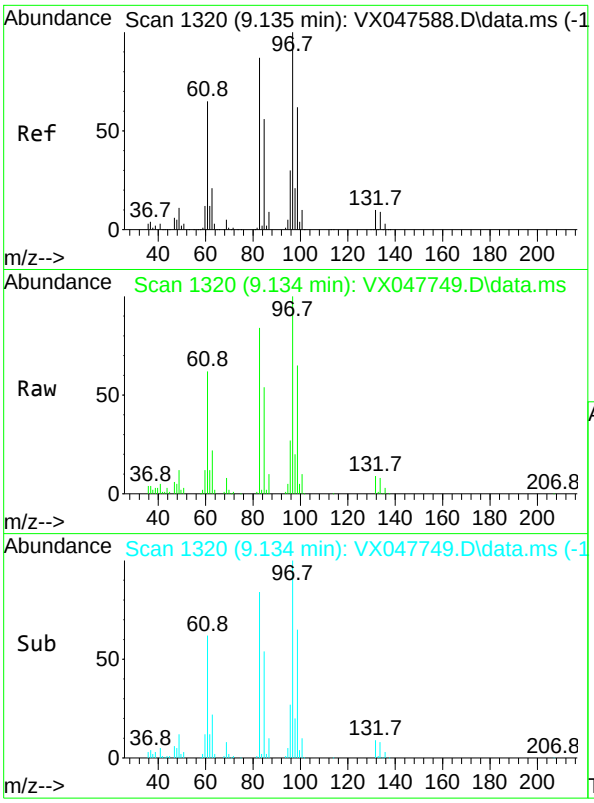



#54
cis-1,3-Dichloropropene
Concen: 16.020 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 56367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 25.8 | 38.6 |
| 39 | 50.7 | 41.4 | 62.2 |

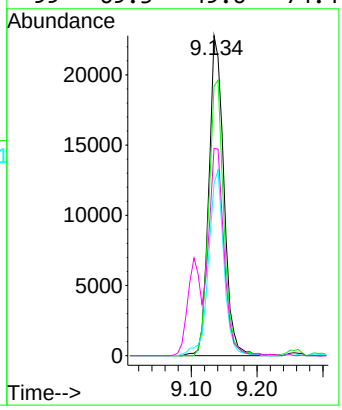





#55
1,1,2-Trichloroethane
Concen: 18.240 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 97 Resp: 3637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 55.7 | 45.0 | 67.6 |
| 99 | 69.3 | 49.6 | 74.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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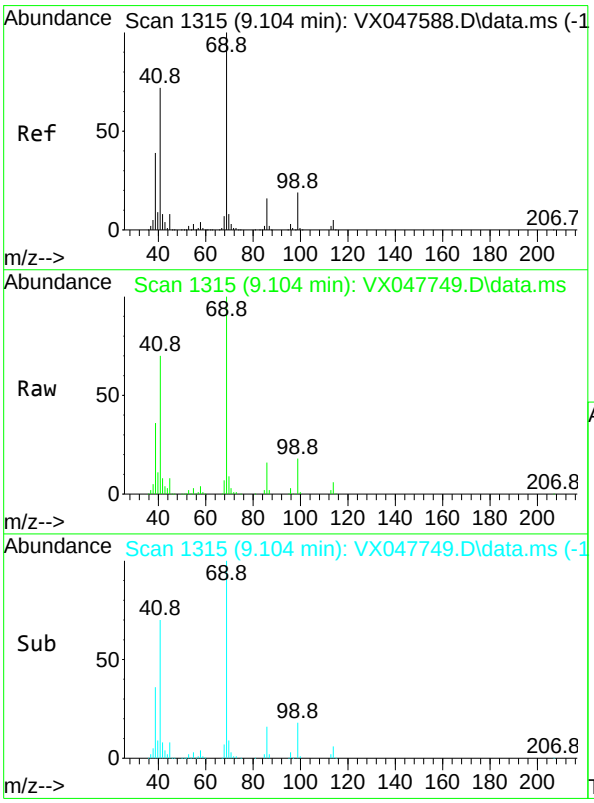
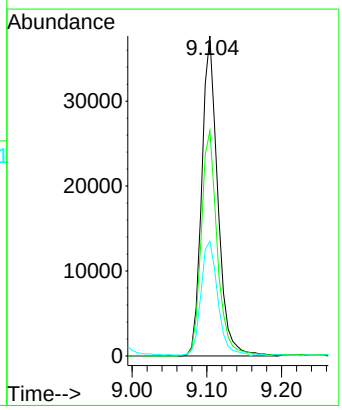
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

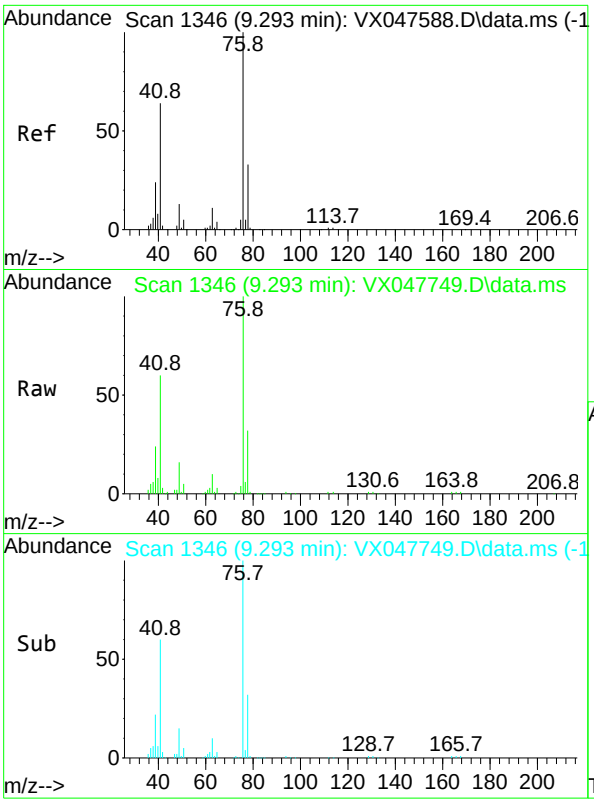



#56
Ethyl methacrylate
Concen: 17.924 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 69 Resp: 56127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 58.6 | 87.8 |
| 39 | 38.0 | 31.5 | 47.3 |






#57
1,3-Dichloropropane
Concen: 18.497 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 76 Resp: 6335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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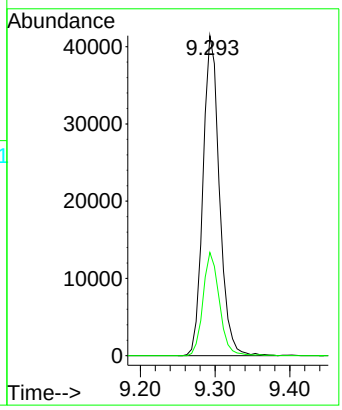
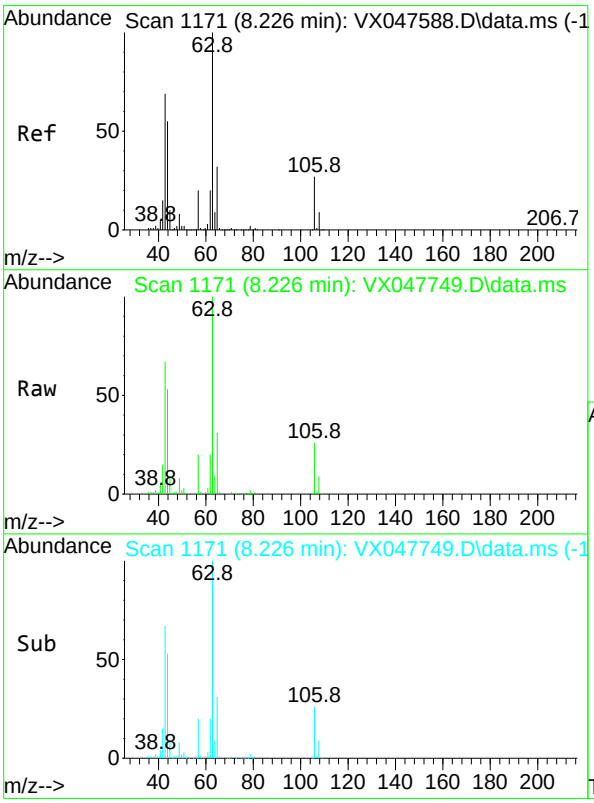
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

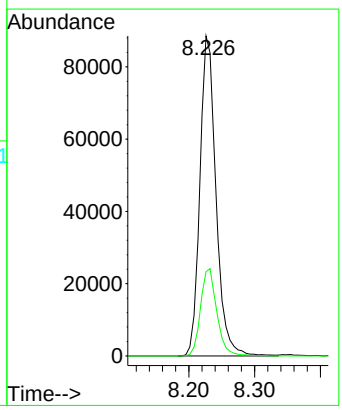


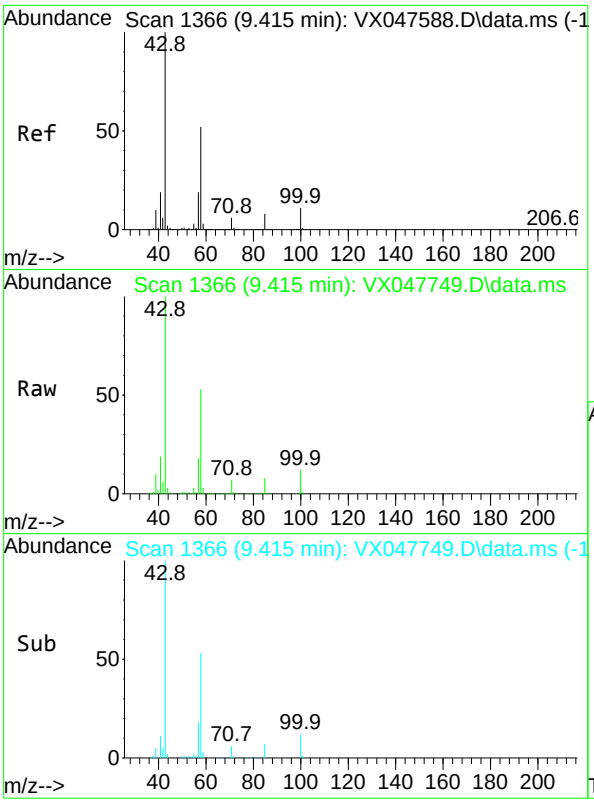




#58
2-Chloroethyl Vinyl ether
Concen: 107.686 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 63 Resp: 150794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |






#59
2-Hexanone
Concen: 93.973 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 18159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.1 | 78.2 |

**Instrument :**
MSVOA_X
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VX0923WBSD03

**Manual Integrations**
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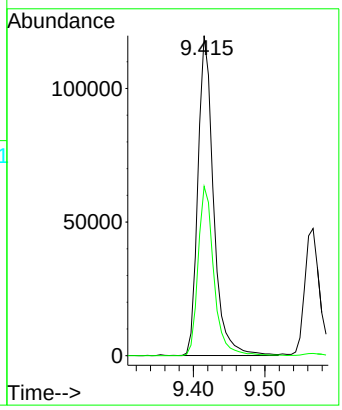
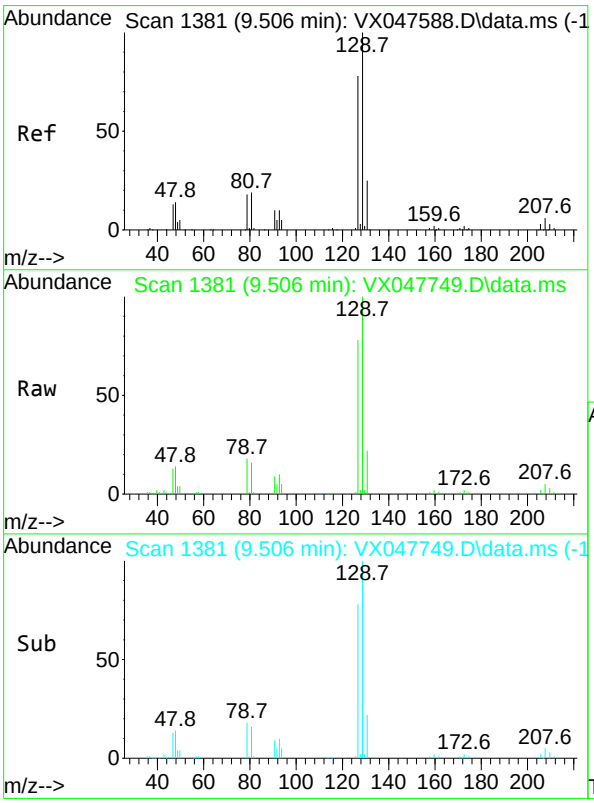
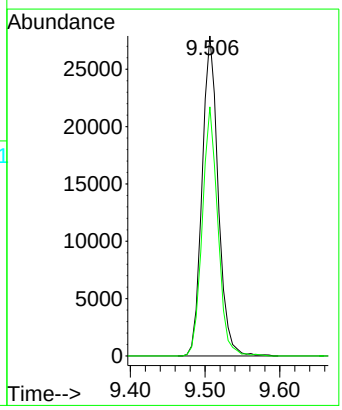


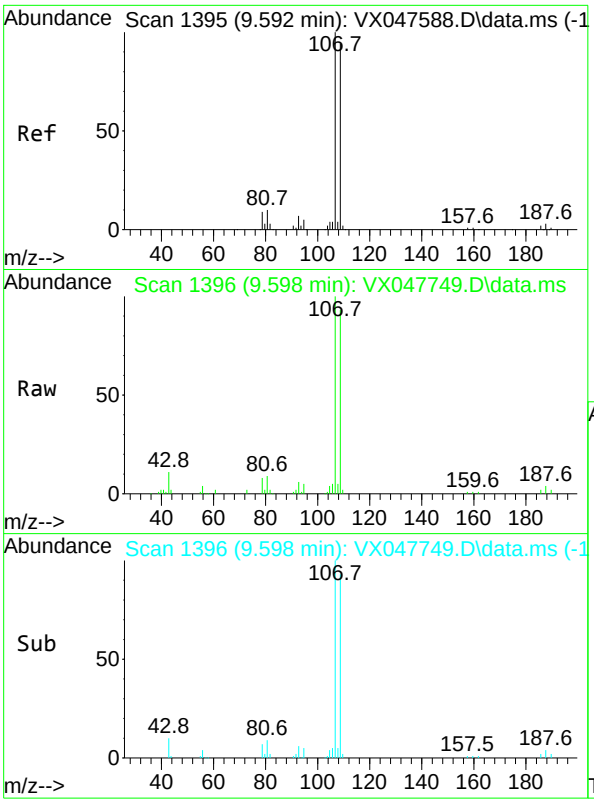




#60
Dibromochloromethane
Concen: 18.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:129 Resp: 41641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.4 | 115.2 |






#61
1,2-Dibromoethane
Concen: 19.067 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:107 Resp: 3872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 75.3 | 112.9 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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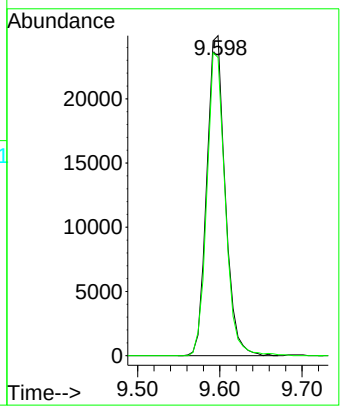
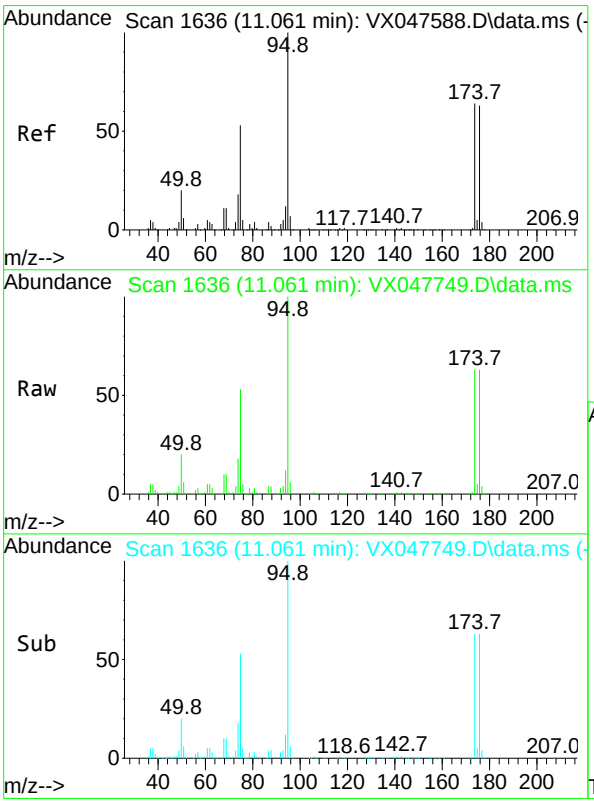
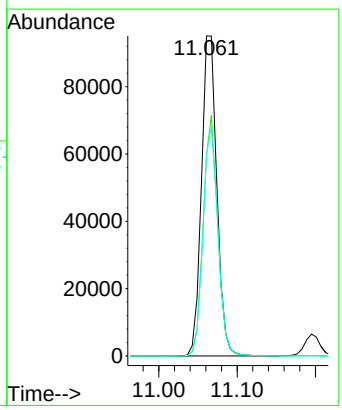


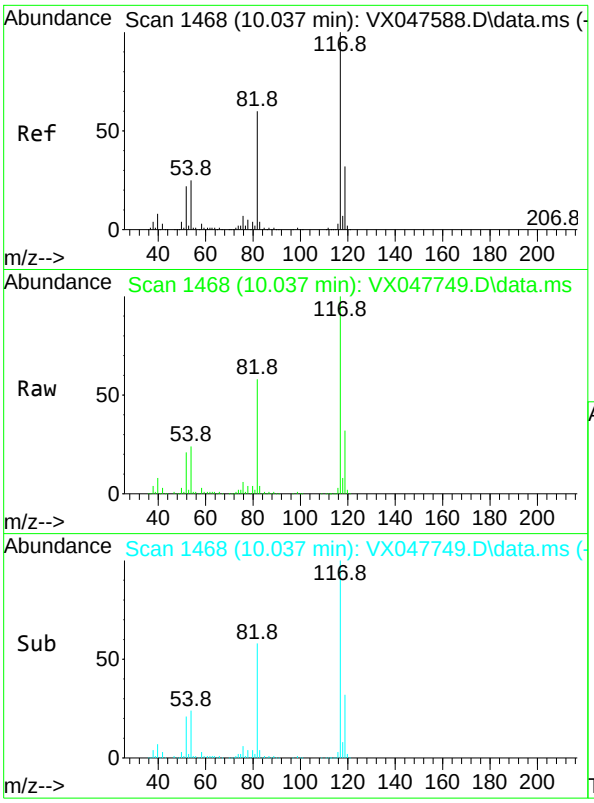




#62
4-Bromofluorobenzene
Concen: 52.114 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 95 Resp: 129425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.7 | 0.0 | 141.6 |
| 176 | 69.8 | 0.0 | 138.4 |

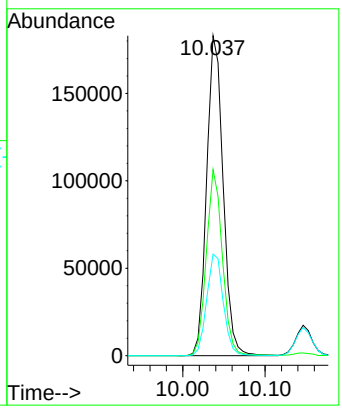





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:117 Resp: 25429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 47.8 | 71.6 |
| 119 | 31.7 | 25.2 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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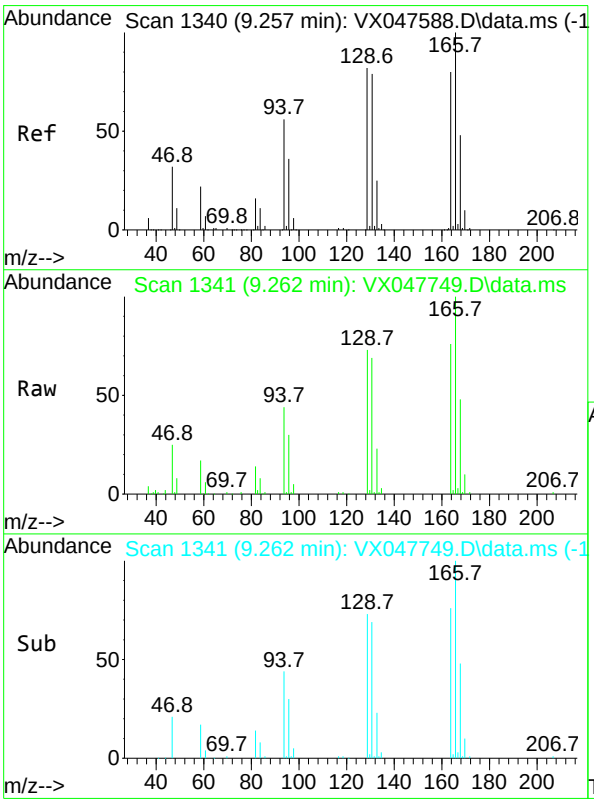
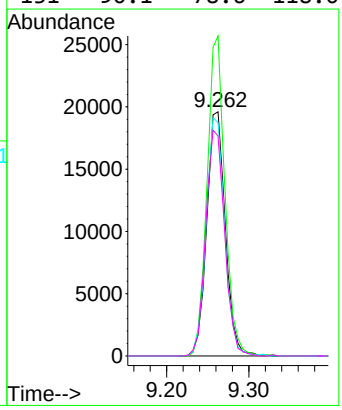
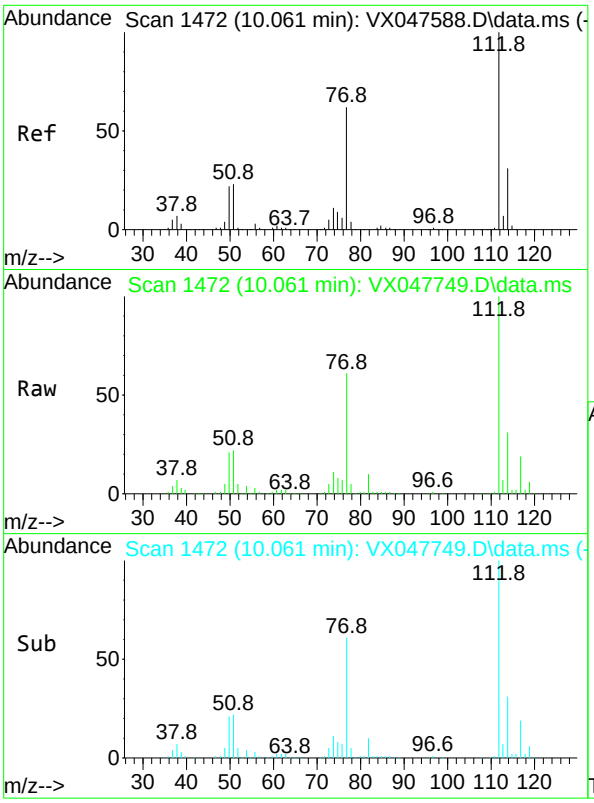



#64
Tetrachloroethene
Concen: 18.494 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:164 Resp: 30658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.1 | 100.2 | 150.2 |
| 129 | 95.6 | 81.8 | 122.6 |
| 131 | 90.1 | 78.6 | 118.0 |

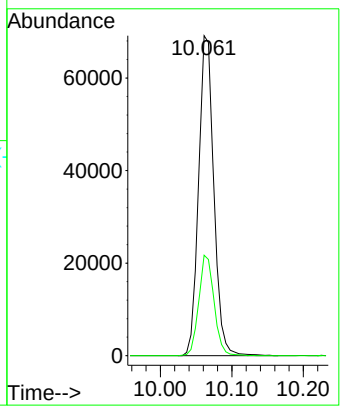





#65
Chlorobenzene
Concen: 17.689 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:112 Resp: 10219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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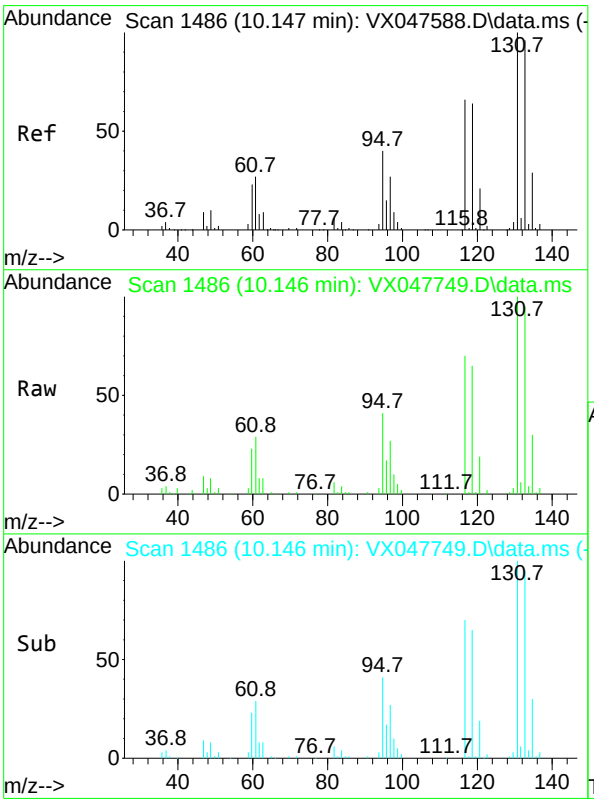
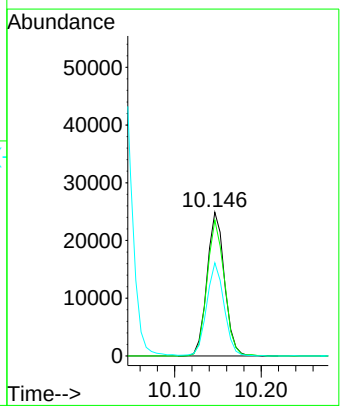
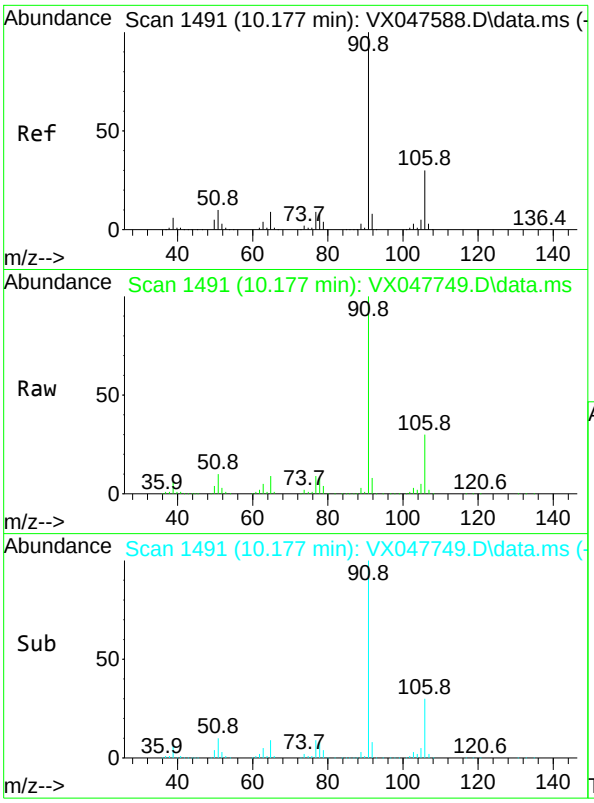



#66
1,1,1,2-Tetrachloroethane
Concen: 17.500 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:131 Resp: 34887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 142.0 |
| 119 | 64.9 | 32.0 | 96.0 |

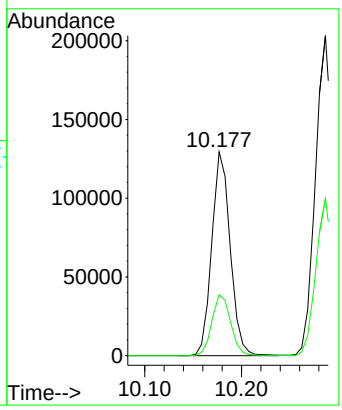





#67
Ethyl Benzene
Concen: 17.180 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 17125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 24.3 | 36.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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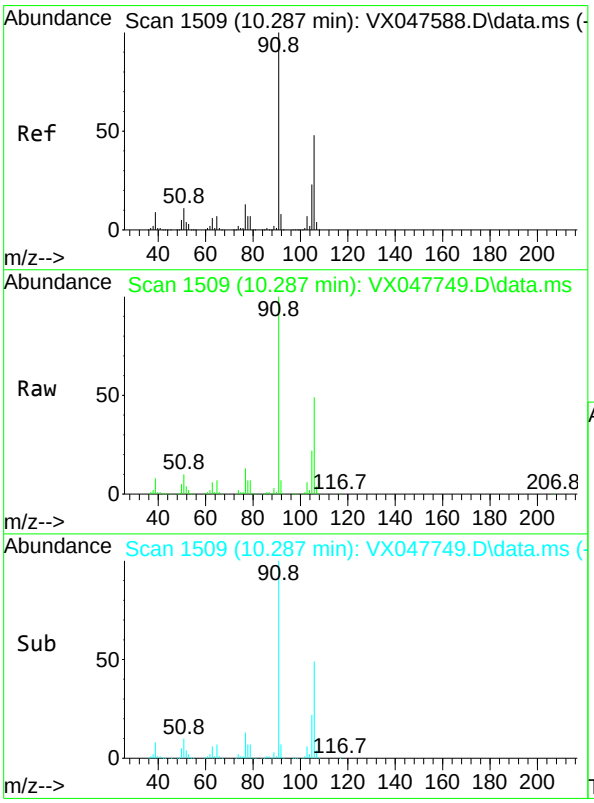
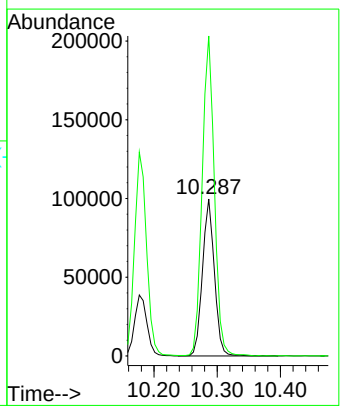
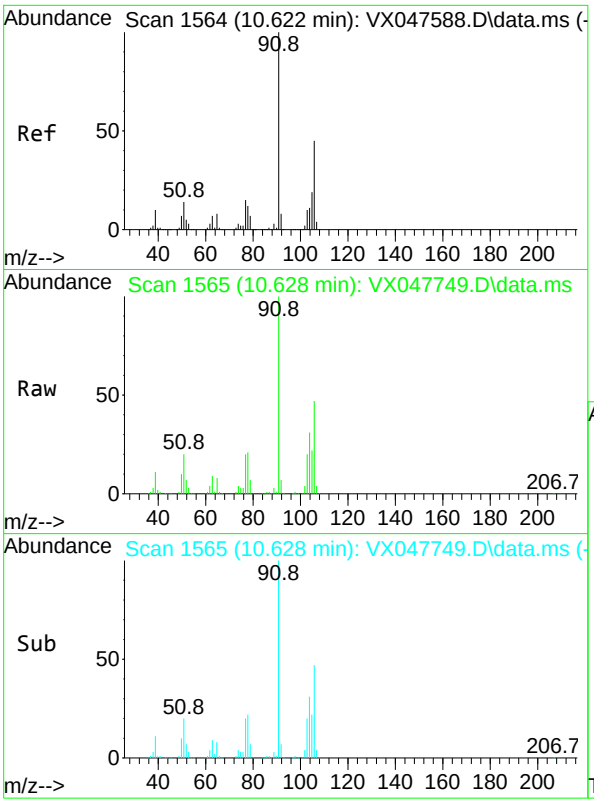



#68
m/p-Xylenes
Concen: 35.307 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:106 Resp: 130995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 167.8 | 251.8 |

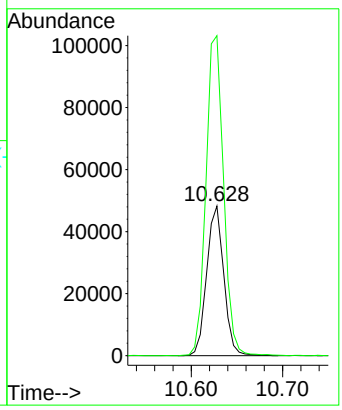





#69
o-Xylene
Concen: 17.473 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:106 Resp: 6270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.5 | 111.1 | 333.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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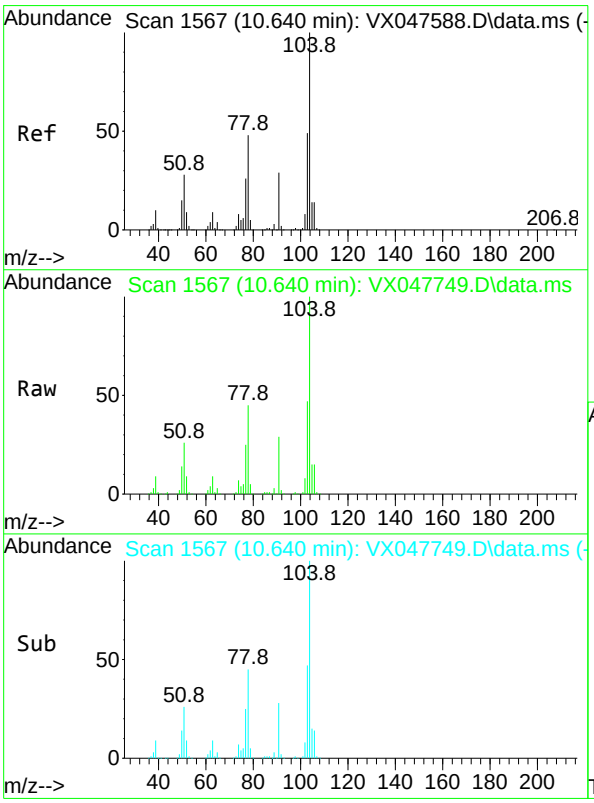
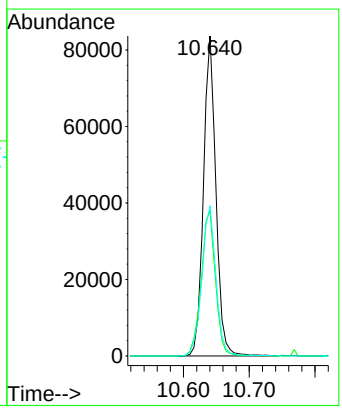
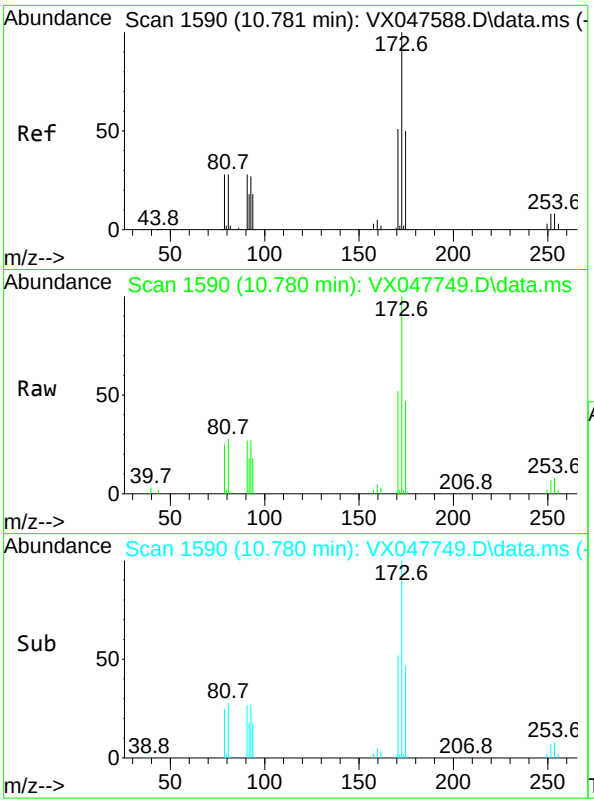



#70
Styrene
Concen: 17.497 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:104 Resp: 110018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 43.1 | 64.7 |
| 103 | 52.9 | 43.1 | 64.7 |

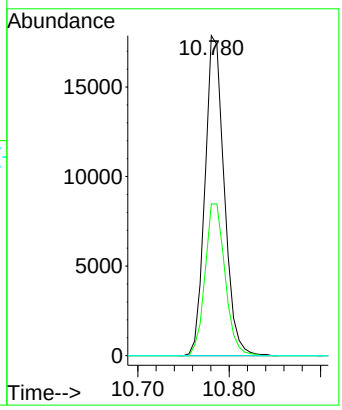





#71
Bromoform
Concen: 17.505 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:173 Resp: 2605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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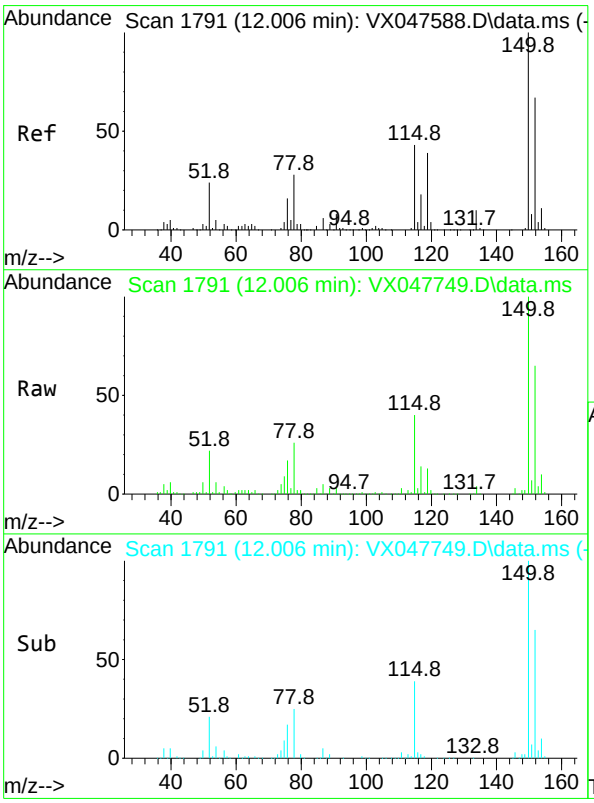
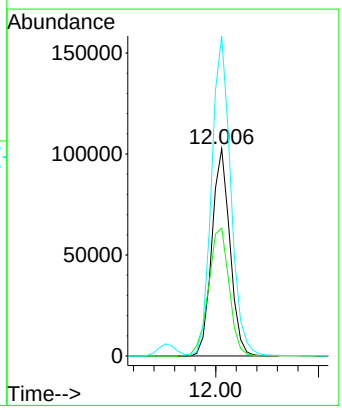
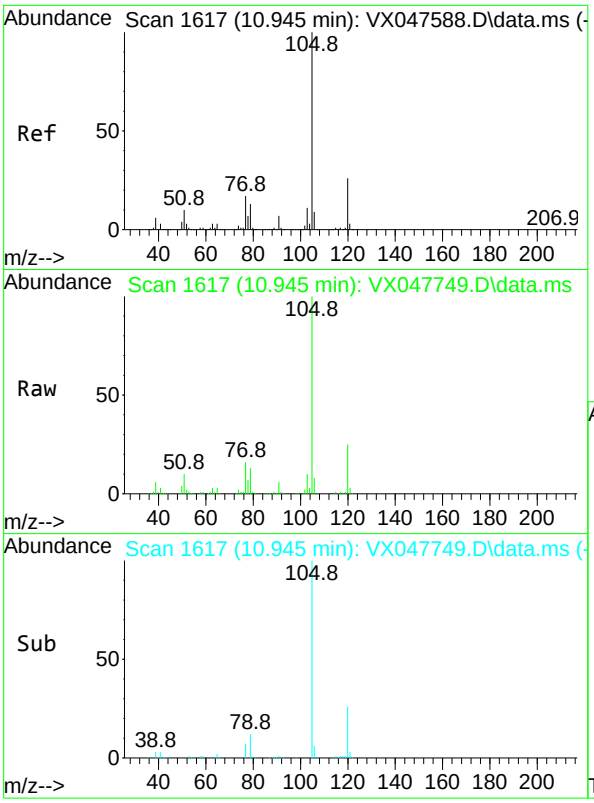



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:152 Resp: 124629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.5 | 44.9 | 134.5 |
| 150 | 163.6 | 0.0 | 352.0 |

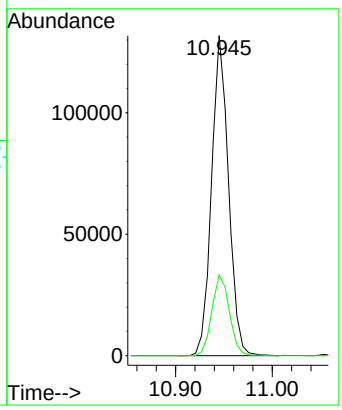





#73
Isopropylbenzene
Concen: 16.911 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 16023

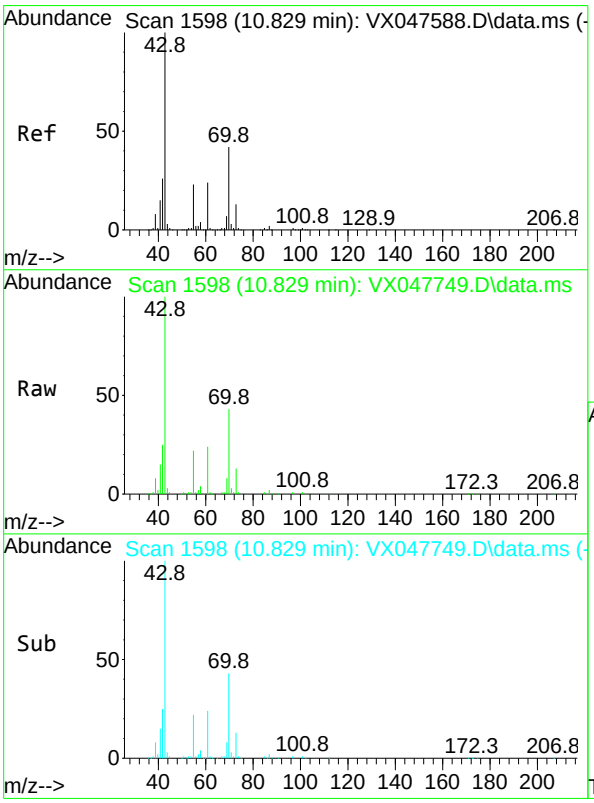
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

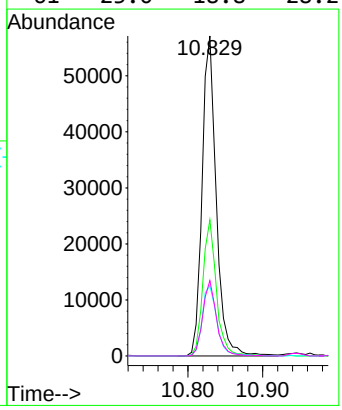
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

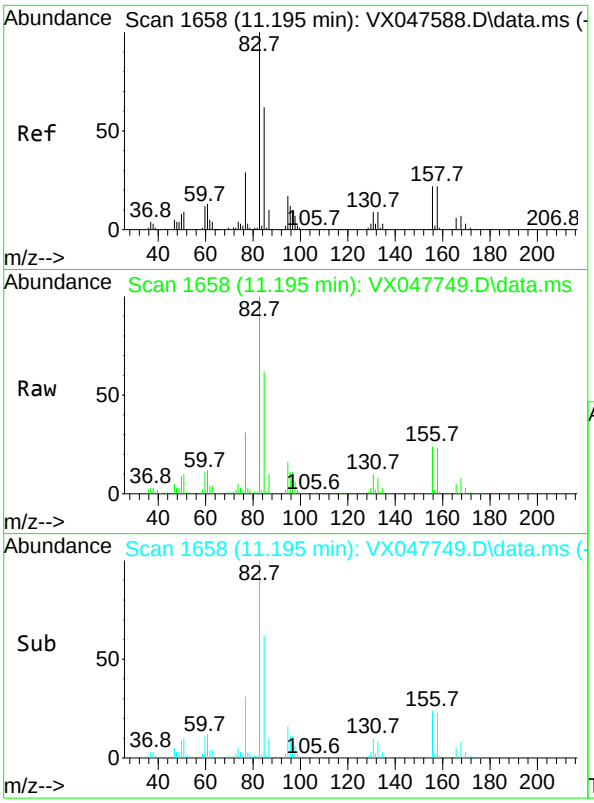



#74
N-amyl acetate
Concen: 17.343 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 74935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 23.0 | 18.9 | 28.3 |
| 61 | 23.0 | 18.8 | 28.2 |

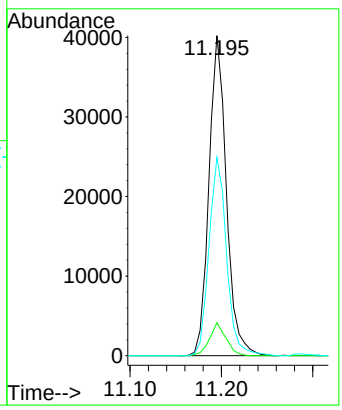





#75
1,1,2,2-Tetrachloroethane
Concen: 18.541 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 83 Resp: 5315

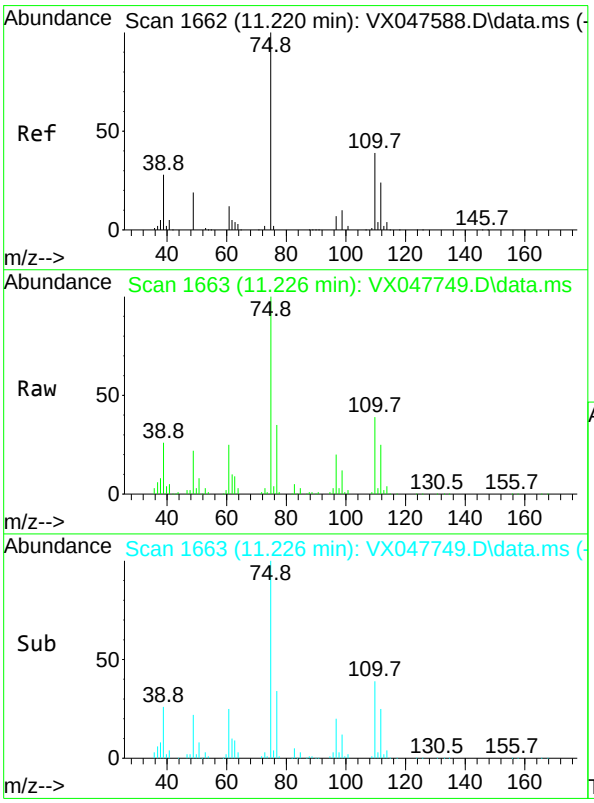
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 62.5 | 31.6 | 95.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

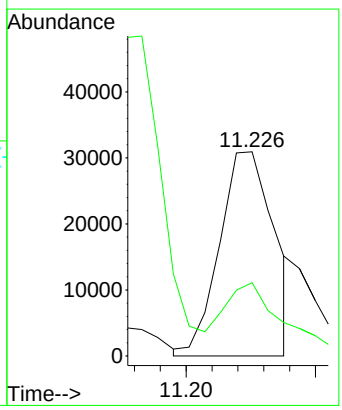
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

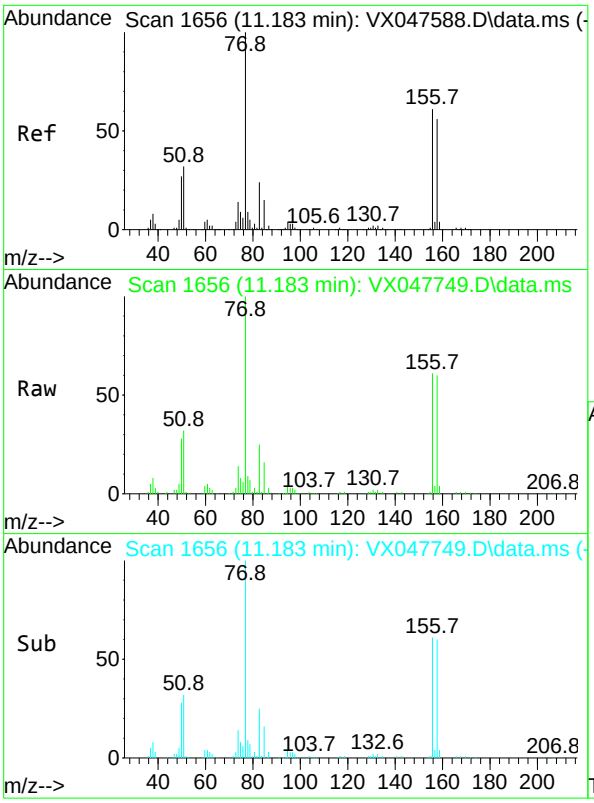



#76
1,2,3-Trichloropropane
Concen: 18.035 ug/l m
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 45508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 39.1 | 18.8 | 56.4 |

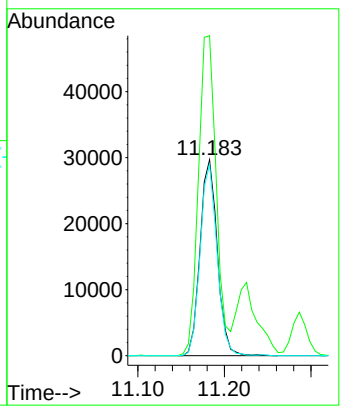





#77
Bromobenzene
Concen: 17.565 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:156 Resp: 4099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.3 | 89.7 | 269.1 |
| 158 | 95.6 | 47.9 | 143.6 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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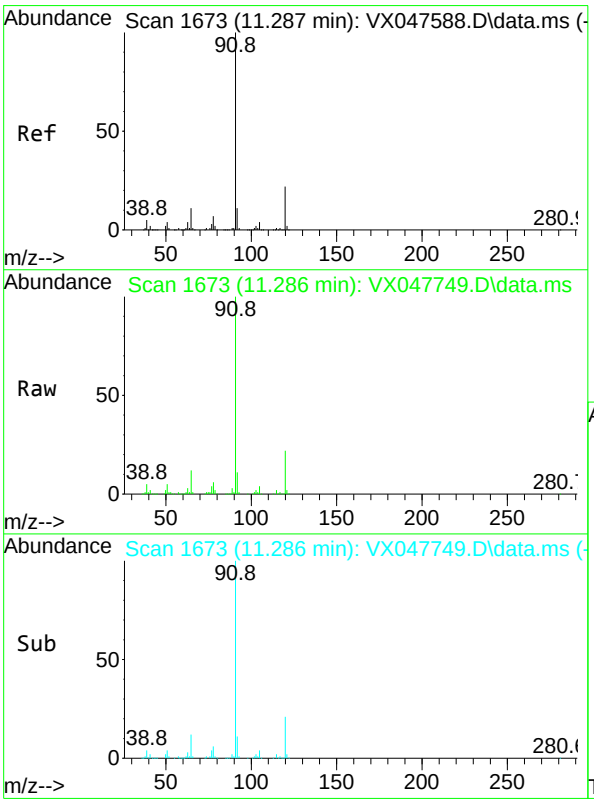
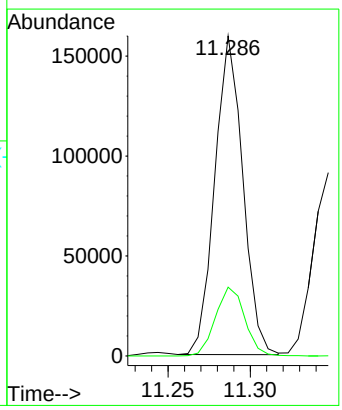
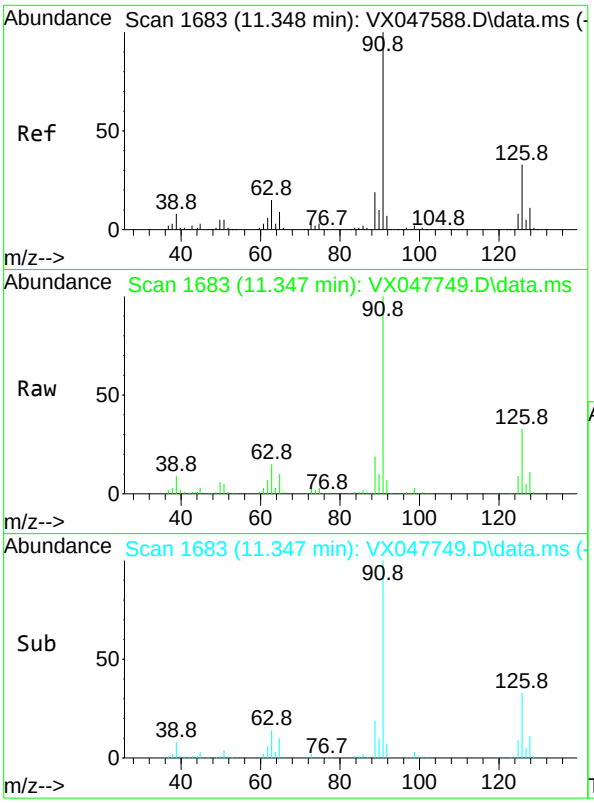



#78
n-propylbenzene
Concen: 16.859 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 188833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.1 | 33.1 |

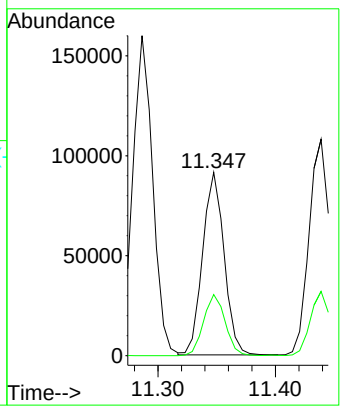





#79
2-Chlorotoluene
Concen: 16.904 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 11596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.1 | 48.3 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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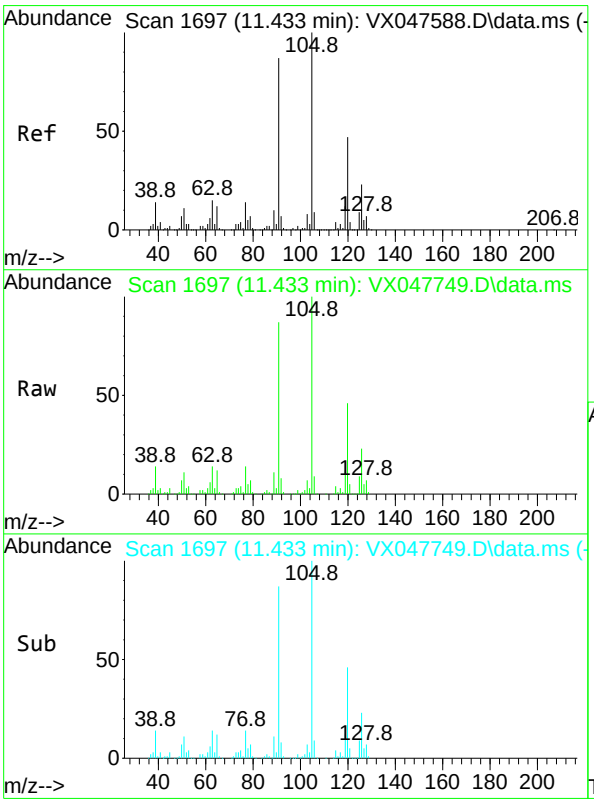
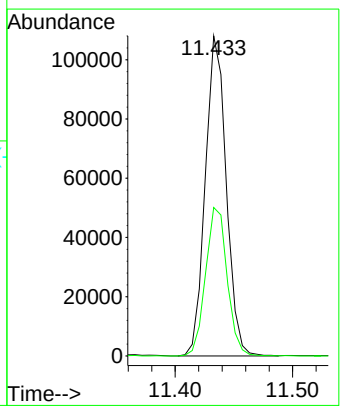
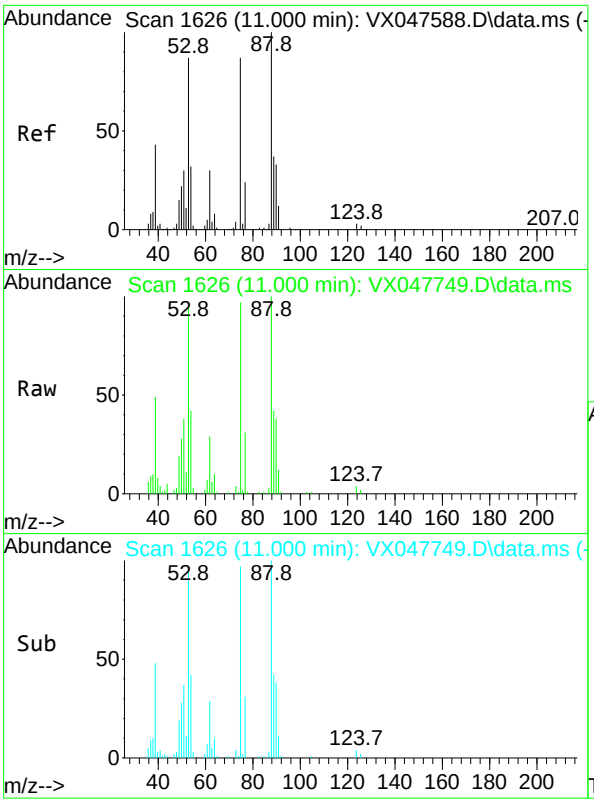



#80
1,3,5-Trimethylbenzene
Concen: 17.201 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 133906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 23.6 | 70.8 |






#81
trans-1,4-Dichloro-2-butene
Concen: 13.838 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 1369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.1 | 83.4 | 125.2 |
| 89 | 45.8 | 36.3 | 54.5 |

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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Reviewed By :John Carlone 09/24/2025
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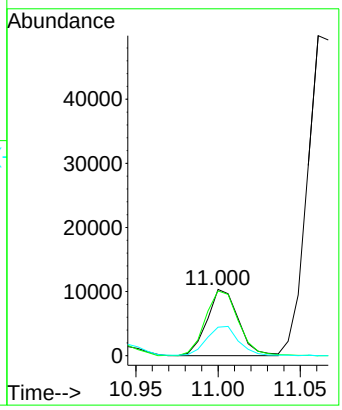
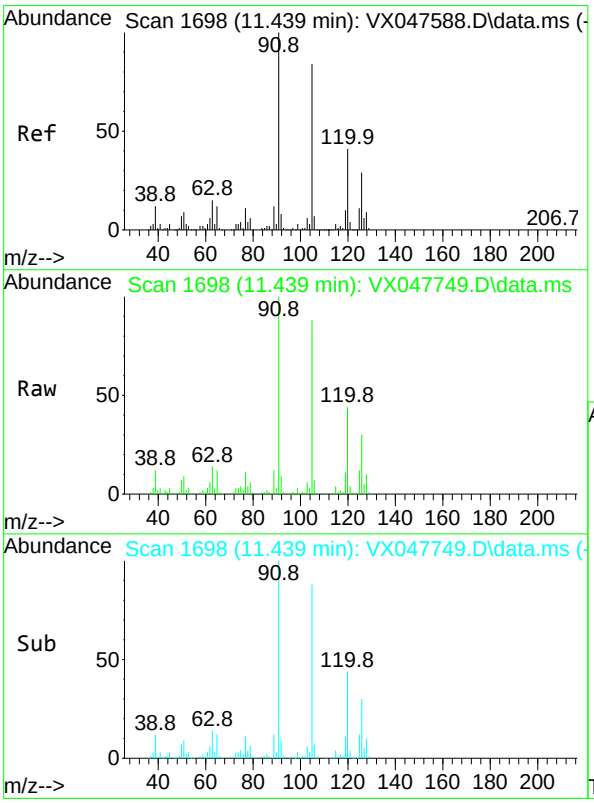
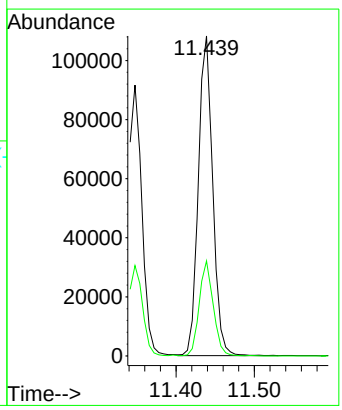


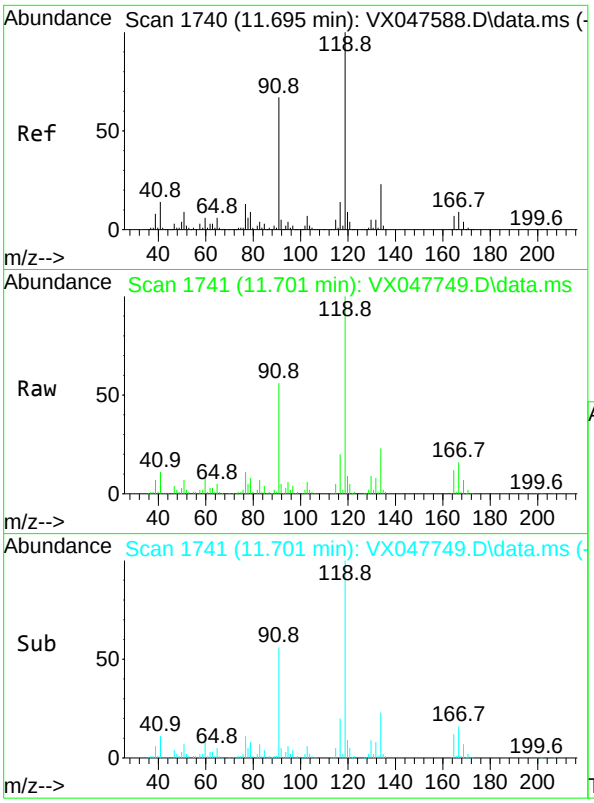




#82
4-Chlorotoluene
Concen: 17.045 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 138107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.2 | 42.6 |

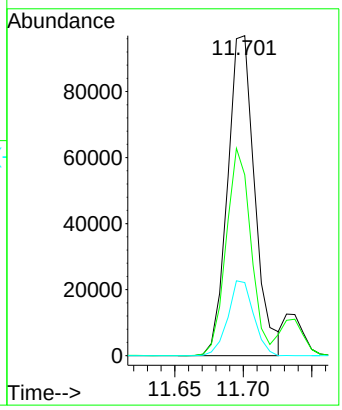





#83
tert-Butylbenzene
Concen: 16.789 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:119 Resp: 13378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 22.2 | 11.0 | 33.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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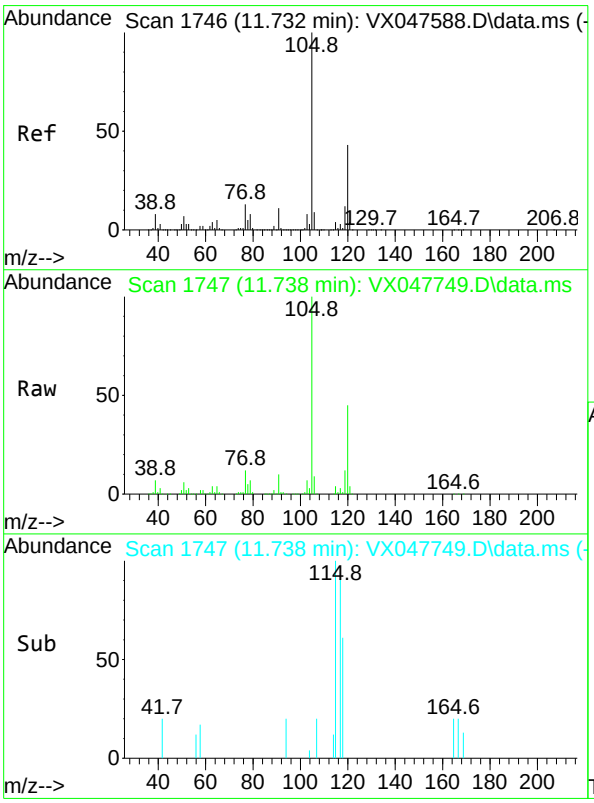
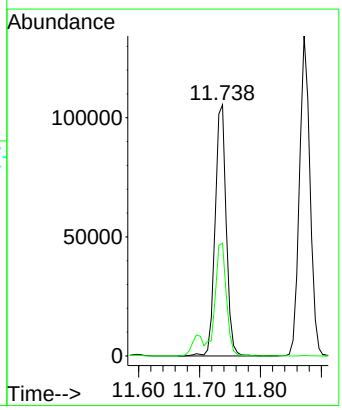
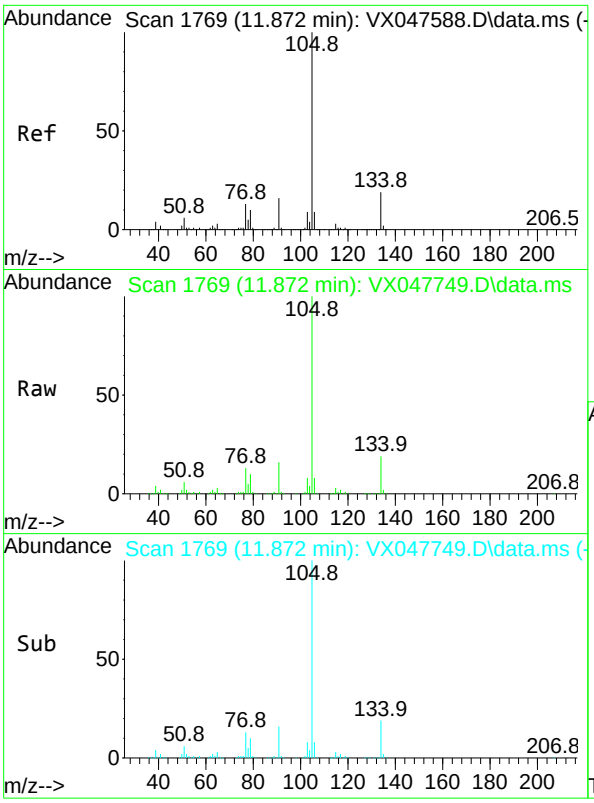



#84
1,2,4-Trimethylbenzene
Concen: 16.931 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 133626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 22.1 | 66.1 |

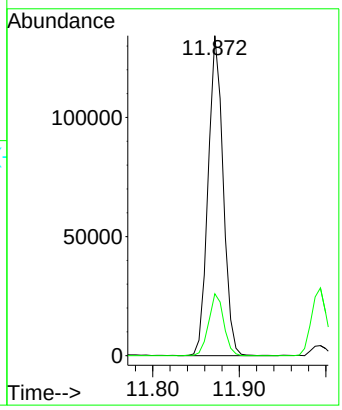





#85
sec-Butylbenzene
Concen: 17.119 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 16204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

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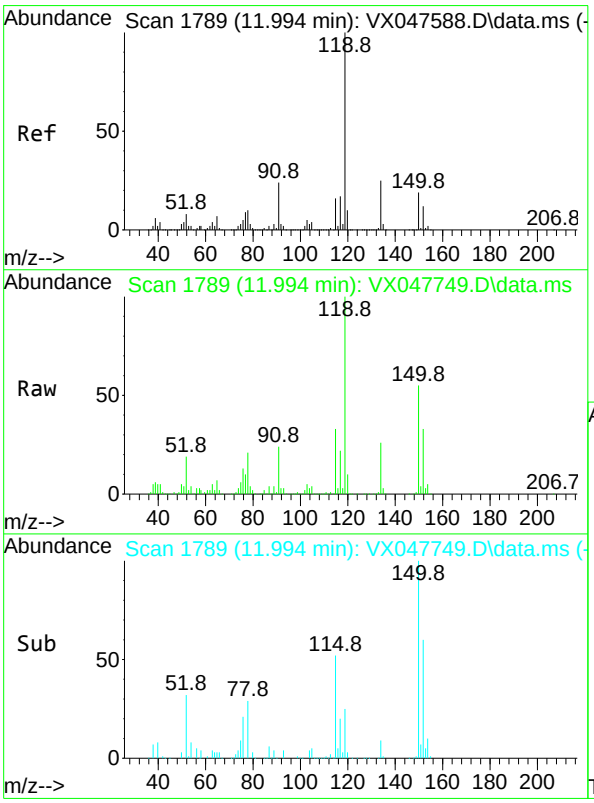
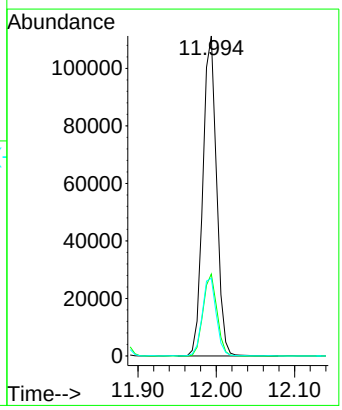
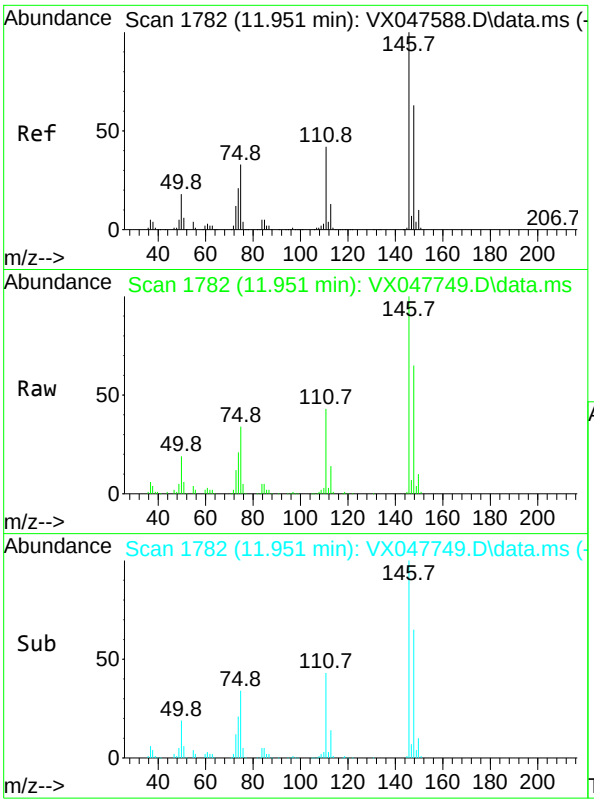



#86
p-Isopropyltoluene
Concen: 16.841 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:119 Resp: 134959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 12.6 | 37.8 |
| 91 | 25.0 | 12.6 | 37.6 |

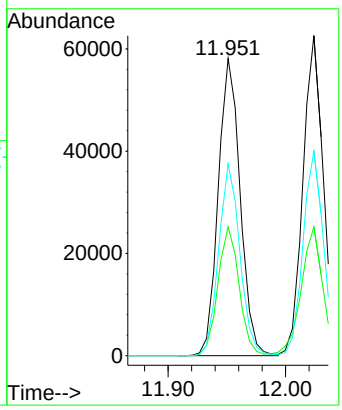





#87
1,3-Dichlorobenzene
Concen: 17.395 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:146 Resp: 7540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.5 | 64.5 |
| 148 | 62.6 | 32.0 | 96.0 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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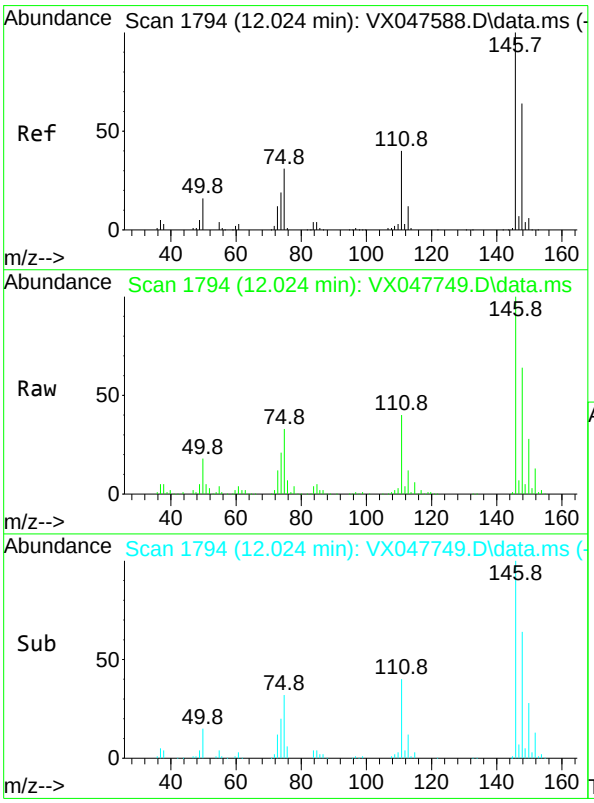
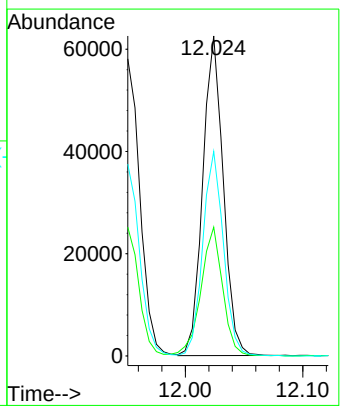
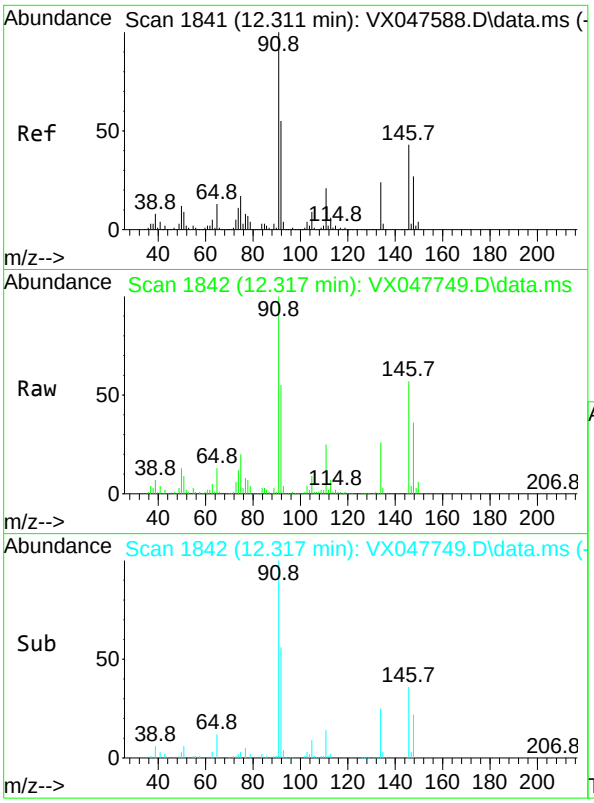



#88
1,4-Dichlorobenzene
Concen: 17.073 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:146 Resp: 75954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 20.8 | 62.4 |
| 148 | 64.6 | 31.7 | 95.1 |

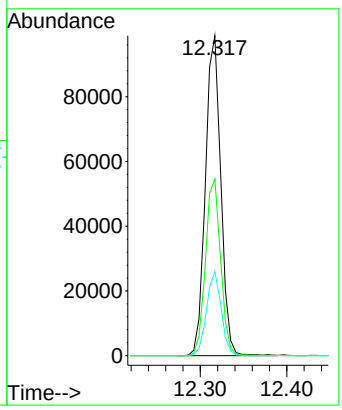





#89
n-Butylbenzene
Concen: 16.446 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 12194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 27.6 | 82.7 |
| 134 | 25.0 | 12.6 | 37.8 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
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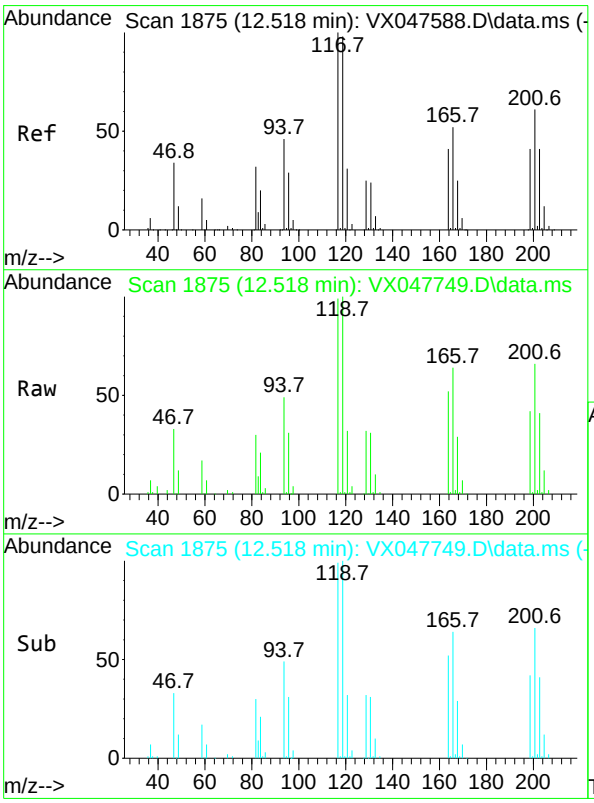
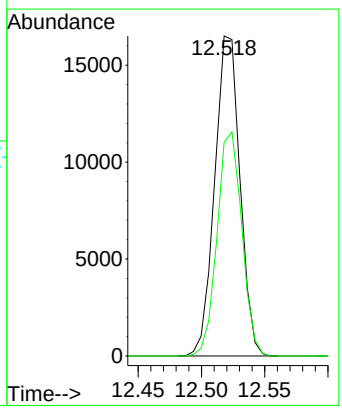
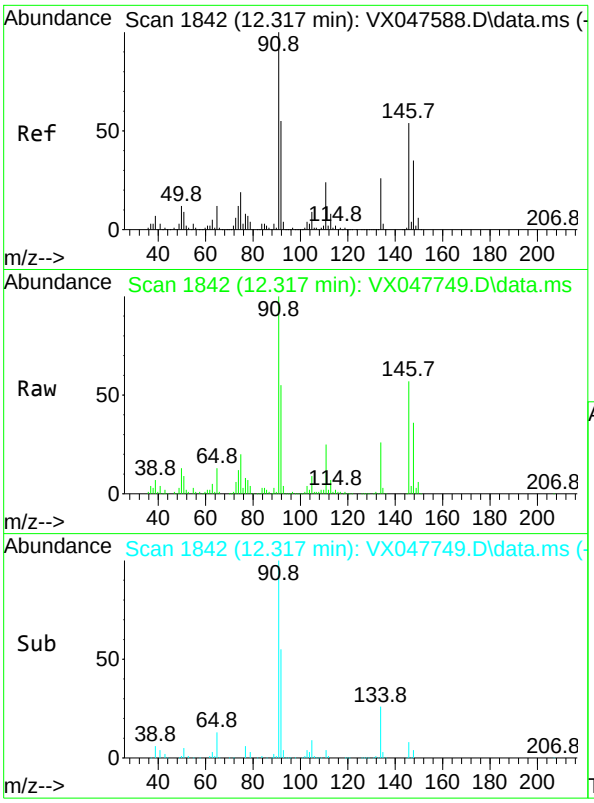



#90
Hexachloroethane
Concen: 16.291 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:117 Resp: 22920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.7 | 34.2 | 102.5 |

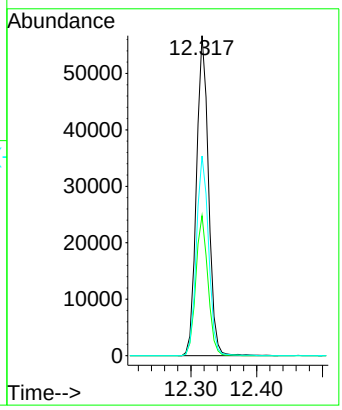





#91
1,2-Dichlorobenzene
Concen: 17.501 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:146 Resp: 7227

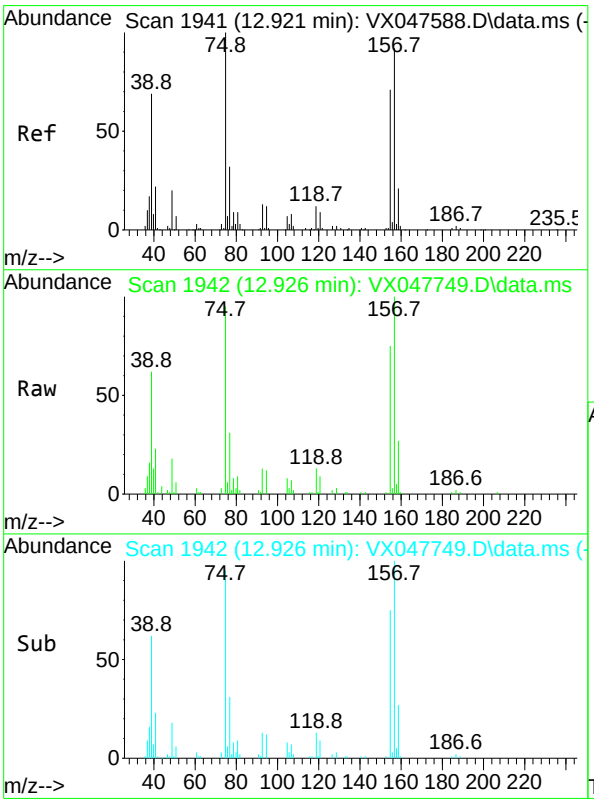
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 22.2 | 66.6 |
| 148 | 63.3 | 31.8 | 95.4 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

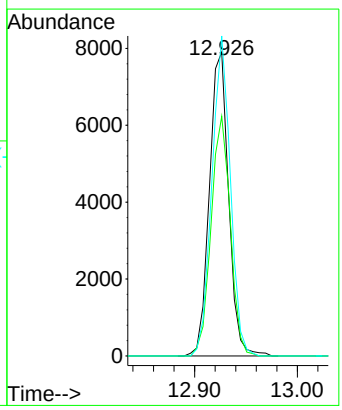
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

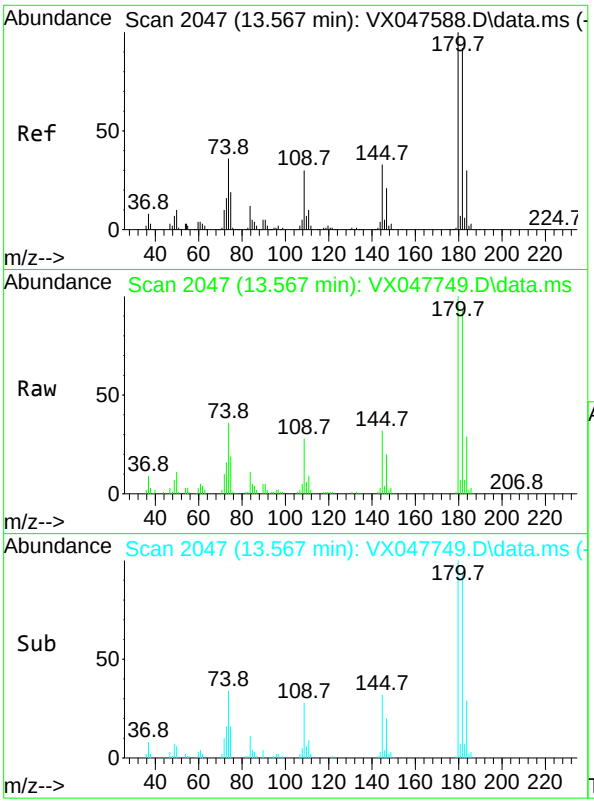



#92
1,2-Dibromo-3-Chloropropane
Concen: 17.622 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 10228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.8 | 37.7 | 113.1 |
| 157 | 101.1 | 49.8 | 149.4 |

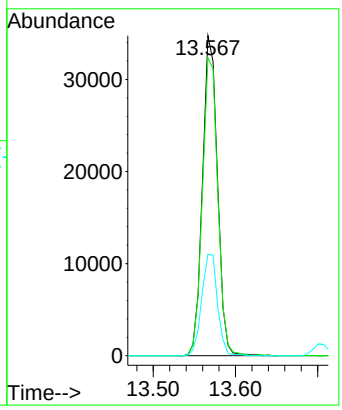





#93
1,2,4-Trichlorobenzene
Concen: 16.358 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:180 Resp: 4390

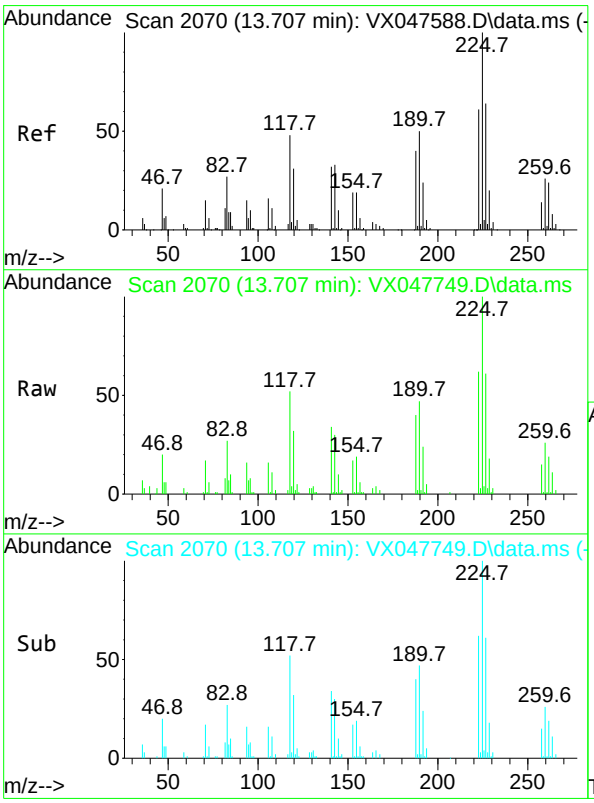
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.6 | 139.8 |
| 145 | 33.5 | 16.4 | 49.1 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

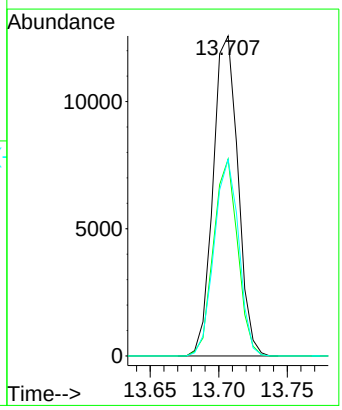
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

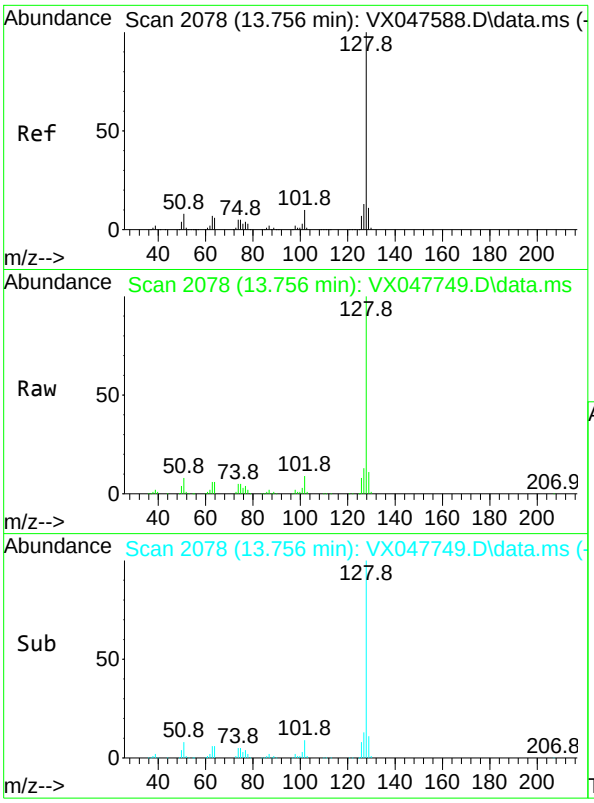



#94
Hexachlorobutadiene
Concen: 17.385 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:225 Resp: 15848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 59.8 | 31.7 | 95.1 |
| 227 | 60.8 | 32.0 | 96.0 |

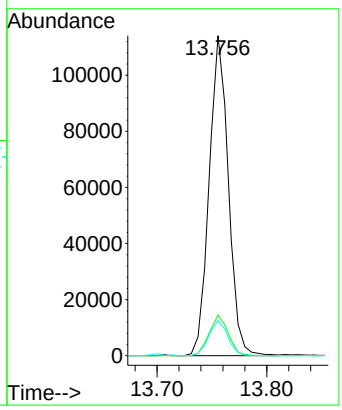





#95
Naphthalene
Concen: 16.995 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:128 Resp: 13888

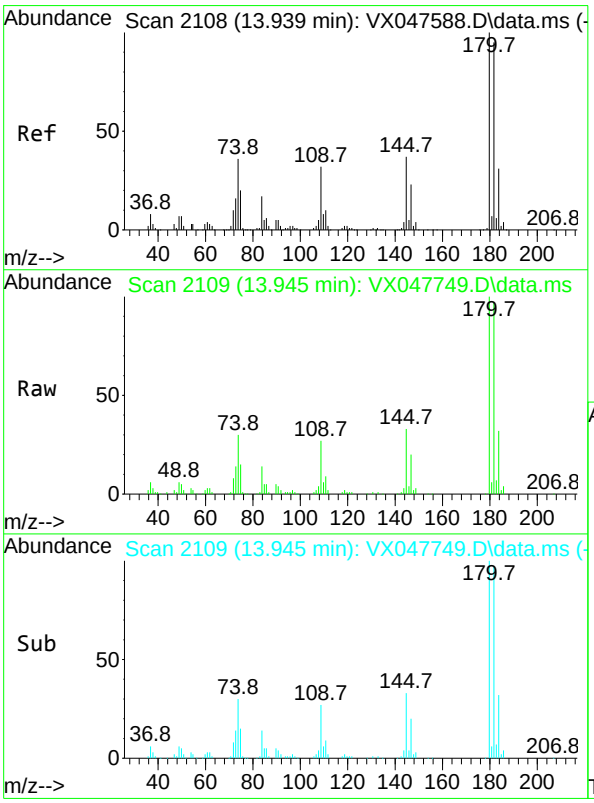
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |




**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

**Manual Integrations**
**APPROVED**

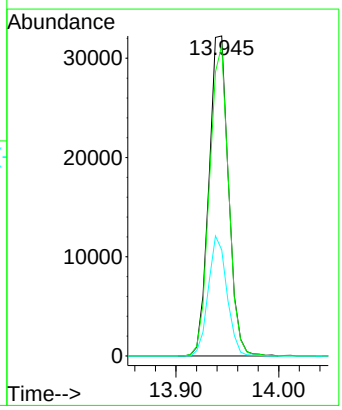
Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025




#96
1,2,3-Trichlorobenzene
Concen: 17.094 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:180 Resp: 42676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.6 | 142.8 |
| 145 | 35.6 | 17.9 | 53.7 |



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# Manual Integration Report

| Sequence: | vx091625 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VX047585.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:25:46 AM | MMDadoda | 9/18/2025 3:22:10 PM | Peak Integrated by Software |
| VSTDICC001 | VX047585.D | 1,4-Dichlorobenzene | JOHN | 9/17/2025 8:25:46 AM | MMDadoda | 9/18/2025 3:22:10 PM | Peak Integrated by Software |
| VSTDICC001 | VX047585.D | 1,4-Dioxane | JOHN | 9/17/2025 8:25:46 AM | MMDadoda | 9/18/2025 3:22:10 PM | Peak Integrated by Software |
| VSTDICC005 | VX047586.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:25:50 AM | MMDadoda | 9/18/2025 3:22:12 PM | Peak Integrated by Software |
| VSTDICC020 | VX047587.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:25:57 AM | MMDadoda | 9/18/2025 3:22:15 PM | Peak Integrated by Software |
| VSTDICCC050 | VX047588.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:26:01 AM | MMDadoda | 9/18/2025 3:22:17 PM | Peak Integrated by Software |
| VSTDICC100 | VX047589.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:26:06 AM | MMDadoda | 9/18/2025 3:22:20 PM | Peak Integrated by Software |
| VSTDICC150 | VX047590.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:26:11 AM | MMDadoda | 9/18/2025 3:22:24 PM | Peak Integrated by Software |
| VSTDICV050 | VX047592.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:26:15 AM | MMDadoda | 9/18/2025 3:22:26 PM | Peak Integrated by Software |
| VSTDCCC050 | VX047599.D | 1,2,3-Trichloropropane | JOHN | 9/17/2025 8:26:34 AM | MMDadoda | 9/18/2025 3:22:31 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | Vx092325 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX047719.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:08:47 AM | MMDadoda | 9/26/2025 1:42:21 AM | Peak Integrated by Software |
| VX0923WBS02 | VX047723.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:08:55 AM | MMDadoda | 9/26/2025 1:42:24 AM | Peak Integrated by Software |
| VSTDCCC050 | VX047744.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:09:13 AM | MMDadoda | 9/26/2025 1:42:30 AM | Peak Integrated by Software |
| VSTDCCC050 | VX047746.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:09:17 AM | MMDadoda | 9/26/2025 1:42:31 AM | Peak Integrated by Software |
| VX0923WBS03 | VX047748.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:09:22 AM | MMDadoda | 9/26/2025 1:42:33 AM | Peak Integrated by Software |
| VX0923WBSD03 | VX047749.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:09:26 AM | MMDadoda | 9/26/2025 1:42:34 AM | Peak Integrated by Software |
| VSTDCCC050 | VX047767.D | 1,2,3-Trichloropropane | JOHN | 9/25/2025 10:16:21 AM | MMDadoda | 9/26/2025 1:42:40 AM | Peak Integrated by Software |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/17/2025 8:27:00 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/18/2025 3:22:52 PM | | |
| SubDirectory | VX091625 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135487 |
| Initial Calibration Stds | VP135489,VP135490,VP135491,VP135492,VP135493,VP135494 |
| CCC | VP135488 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135495 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX047584.D | 16 Sep 2025 08:56 | JC/MD | Ok |
| 2 | VSTDICC001 | VX047585.D | 16 Sep 2025 09:23 | JC/MD | Ok,M |
| 3 | VSTDICC005 | VX047586.D | 16 Sep 2025 10:16 | JC/MD | Ok,M |
| 4 | VSTDICC020 | VX047587.D | 16 Sep 2025 10:37 | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VX047588.D | 16 Sep 2025 10:58 | JC/MD | Ok,M |
| 6 | VSTDICC100 | VX047589.D | 16 Sep 2025 11:40 | JC/MD | Ok,M |
| 7 | VSTDICC150 | VX047590.D | 16 Sep 2025 12:01 | JC/MD | Ok,M |
| 8 | IBLK | VX047591.D | 16 Sep 2025 12:22 | JC/MD | Ok |
| 9 | VSTDICV050 | VX047592.D | 16 Sep 2025 13:35 | JC/MD | Ok,M |
| 10 | VX0916MBL01 | VX047593.D | 16 Sep 2025 14:03 | JC/MD | Ok |
| 11 | VX0916WBL01 | VX047594.D | 16 Sep 2025 14:53 | JC/MD | Ok |
| 12 | VX0916WBS01 | VX047595.D | 16 Sep 2025 15:21 | JC/MD | Ok,M |
| 13 | VX0916WBSD01 | VX047596.D | 16 Sep 2025 15:46 | JC/MD | Ok,M |
| 14 | Q3015-01 | VX047597.D | 16 Sep 2025 16:07 | JC/MD | Ok,M |
| 15 | VIBLK | VX047598.D | 16 Sep 2025 16:30 | JC/MD | Ok |
| 16 | VSTDCCC050 | VX047599.D | 16 Sep 2025 16:51 | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX047718.D | 23 Sep 2025 08:05 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX047719.D | 23 Sep 2025 09:02 | JC/MD | Ok,M |
| 3 | VX0923MBL01 | VX047720.D | 23 Sep 2025 09:31 | JC/MD | Ok |
| 4 | VX0923WBL01 | VX047721.D | 23 Sep 2025 10:22 | JC/MD | Ok |
| 5 | VX0923WBS01 | VX047722.D | 23 Sep 2025 10:48 | JC/MD | Not Ok |
| 6 | VX0923WBS02 | VX047723.D | 23 Sep 2025 11:15 | JC/MD | Ok,M |
| 7 | Q3097-01DL | VX047724.D | 23 Sep 2025 11:36 | JC/MD | Ok |
| 8 | Q3141-01 | VX047725.D | 23 Sep 2025 12:22 | JC/MD | Ok |
| 9 | VX0923WBSD02 | VX047726.D | 23 Sep 2025 12:43 | JC/MD | Ok,M |
| 10 | Q3141-02 | VX047727.D | 23 Sep 2025 13:04 | JC/MD | Not Ok |
| 11 | Q3097-18 | VX047728.D | 23 Sep 2025 13:25 | JC/MD | Ok |
| 12 | Q3097-16 | VX047729.D | 23 Sep 2025 13:46 | JC/MD | Ok |
| 13 | Q3141-03 | VX047730.D | 23 Sep 2025 14:07 | JC/MD | Ok |
| 14 | Q3141-04 | VX047731.D | 23 Sep 2025 14:28 | JC/MD | Not Ok |
| 15 | Q3141-05 | VX047732.D | 23 Sep 2025 14:49 | JC/MD | Ok |
| 16 | Q3141-06 | VX047733.D | 23 Sep 2025 15:10 | JC/MD | Ok |
| 17 | Q3141-07 | VX047734.D | 23 Sep 2025 15:31 | JC/MD | Ok |
| 18 | Q3097-15 | VX047735.D | 23 Sep 2025 15:52 | JC/MD | Ok |
| 19 | Q3097-17 | VX047736.D | 23 Sep 2025 16:13 | JC/MD | Ok |
| 20 | Q3097-19 | VX047737.D | 23 Sep 2025 16:34 | JC/MD | Dilution |
| 21 | Q3097-20 | VX047738.D | 23 Sep 2025 16:55 | JC/MD | Dilution |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q3097-21 | VX047739.D | 23 Sep 2025 17:16 | JC/MD | Dilution |
| 23 | Q3097-22 | VX047740.D | 23 Sep 2025 17:36 | JC/MD | Ok |
| 24 | Q3097-23 | VX047741.D | 23 Sep 2025 17:57 | JC/MD | Dilution |
| 25 | Q3097-24 | VX047742.D | 23 Sep 2025 18:18 | JC/MD | Ok |
| 26 | Q3151-02 | VX047743.D | 23 Sep 2025 18:39 | JC/MD | Ok |
| 27 | VSTDCCC050 | VX047744.D | 23 Sep 2025 19:00 | JC/MD | Ok,M |
| 28 | BFB | VX047745.D | 24 Sep 2025 01:30 | JC/MD | Ok |
| 29 | VSTDCCC050 | VX047746.D | 24 Sep 2025 02:08 | JC/MD | Ok,M |
| 30 | VX0923WBL02 | VX047747.D | 24 Sep 2025 03:11 | JC/MD | Ok |
| 31 | VX0923WBS03 | VX047748.D | 24 Sep 2025 03:53 | JC/MD | Ok,M |
| 32 | VX0923WBSD03 | VX047749.D | 24 Sep 2025 04:14 | JC/MD | Ok,M |
| 33 | Q3127-03 | VX047750.D | 24 Sep 2025 04:52 | JC/MD | Dilution |
| 34 | Q3127-05 | VX047751.D | 24 Sep 2025 05:13 | JC/MD | Ok |
| 35 | Q3127-06 | VX047752.D | 24 Sep 2025 05:34 | JC/MD | Dilution |
| 36 | Q3127-08 | VX047753.D | 24 Sep 2025 05:55 | JC/MD | Dilution |
| 37 | Q3127-09 | VX047754.D | 24 Sep 2025 06:16 | JC/MD | Dilution |
| 38 | Q3127-10 | VX047755.D | 24 Sep 2025 06:37 | JC/MD | ReRun |
| 39 | Q3127-12 | VX047756.D | 24 Sep 2025 06:58 | JC/MD | Dilution |
| 40 | Q3127-16 | VX047757.D | 24 Sep 2025 07:19 | JC/MD | ReRun |
| 41 | Q3127-18 | VX047758.D | 24 Sep 2025 07:40 | JC/MD | ReRun |
| 42 | Q3127-07 | VX047759.D | 24 Sep 2025 08:01 | JC/MD | Not Ok |
| 43 | Q3141-04 | VX047760.D | 24 Sep 2025 08:22 | JC/MD | Ok |
| 44 | Q3141-02 | VX047761.D | 24 Sep 2025 08:43 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 45 | Q3127-04 | VX047762.D | 24 Sep 2025 09:04 | JC/MD | Dilution |
| 46 | Q3097-25 | VX047763.D | 24 Sep 2025 09:25 | JC/MD | Dilution |
| 47 | Q3127-13 | VX047764.D | 24 Sep 2025 09:46 | JC/MD | ReRun |
| 48 | Q3127-14MS | VX047765.D | 24 Sep 2025 10:07 | JC/MD | Ok,M |
| 49 | Q3127-15MSD | VX047766.D | 24 Sep 2025 10:29 | JC/MD | Ok,M |
| 50 | VSTDCCC050 | VX047767.D | 24 Sep 2025 10:50 | JC/MD | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX091625

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/17/2025 8:27:00 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/18/2025 3:22:52 PM | | |
| SubDirectory | VX091625 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135487 |
| Initial Calibration Stds | VP135489,VP135490,VP135491,VP135492,VP135493,VP135494 |
| CCC | VP135488 |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135495 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX047584.D | 16 Sep 2025 08:56 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX047585.D | 16 Sep 2025 09:23 | | JC/MD | Ok,M |
| 3 | VSTDICC005 | VSTDICC005 | VX047586.D | 16 Sep 2025 10:16 | QR-58 | JC/MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VX047587.D | 16 Sep 2025 10:37 | | JC/MD | Ok,M |
| 5 | VSTDICCC050 | VSTDICCC050 | VX047588.D | 16 Sep 2025 10:58 | | JC/MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VX047589.D | 16 Sep 2025 11:40 | | JC/MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VX047590.D | 16 Sep 2025 12:01 | | JC/MD | Ok,M |
| 8 | IBLK | IBLK | VX047591.D | 16 Sep 2025 12:22 | | JC/MD | Ok |
| 9 | VSTDICV050 | ICVVX091625 | VX047592.D | 16 Sep 2025 13:35 | | JC/MD | Ok,M |
| 10 | VX0916MBL01 | VX0916MBL01 | VX047593.D | 16 Sep 2025 14:03 | | JC/MD | Ok |
| 11 | VX0916WBL01 | VX0916WBL01 | VX047594.D | 16 Sep 2025 14:53 | | JC/MD | Ok |
| 12 | VX0916WBS01 | VX0916WBS01 | VX047595.D | 16 Sep 2025 15:21 | | JC/MD | Ok,M |
| 13 | VX0916WBSD01 | VX0916WBSD01 | VX047596.D | 16 Sep 2025 15:46 | | JC/MD | Ok,M |
| 14 | Q3015-01 | WP0925-PT-VOA-WP | VX047597.D | 16 Sep 2025 16:07 | | JC/MD | Ok,M |
| 15 | VIBLK | VIBLK | VX047598.D | 16 Sep 2025 16:30 | | JC/MD | Ok |
| 16 | VSTDCCC050 | VSTDCCC050EC | VX047599.D | 16 Sep 2025 16:51 | | JC/MD | Ok,M |

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| 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 | VX047718.D | 23 Sep 2025 08:05 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX047719.D | 23 Sep 2025 09:02 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0923MBL01 | VX0923MBL01 | VX047720.D | 23 Sep 2025 09:31 | | JC/MD | Ok |
| 4 | VX0923WBL01 | VX0923WBL01 | VX047721.D | 23 Sep 2025 10:22 | | JC/MD | Ok |
| 5 | VX0923WBS01 | VX0923WBS01 | VX047722.D | 23 Sep 2025 10:48 | Recovery fail | JC/MD | Not Ok |
| 6 | VX0923WBS02 | VX0923WBS02 | VX047723.D | 23 Sep 2025 11:15 | | JC/MD | Ok,M |
| 7 | Q3097-01DL | RE103D2-20250911DL | VX047724.D | 23 Sep 2025 11:36 | vial B pH<2 | JC/MD | Ok |
| 8 | Q3141-01 | BP-VPB-184-TB-20250 | VX047725.D | 23 Sep 2025 12:22 | vial A pH<2 TB | JC/MD | Ok |
| 9 | VX0923WBSD02 | VX0923WBSD02 | VX047726.D | 23 Sep 2025 12:43 | | JC/MD | Ok,M |
| 10 | Q3141-02 | BP-VPB-184-EB-20250 | VX047727.D | 23 Sep 2025 13:04 | vial A pH<2 EB;Hit of Com.#16,25 | JC/MD | Not Ok |
| 11 | Q3097-18 | TB05-20250912 | VX047728.D | 23 Sep 2025 13:25 | vial A pH<2 TB | JC/MD | Ok |
| 12 | Q3097-16 | TB03-20250911 | VX047729.D | 23 Sep 2025 13:46 | vial A pH<2 TB | JC/MD | Ok |
| 13 | Q3141-03 | BP-VPB-184-GW-60-62 | VX047730.D | 23 Sep 2025 14:07 | vial A pH<2 | JC/MD | Ok |
| 14 | Q3141-04 | BP-VPB-184-GW-100-1 | VX047731.D | 23 Sep 2025 14:28 | vial A pH<2 Surrogate Fail | JC/MD | Not Ok |
| 15 | Q3141-05 | BP-VPB-184-GW-150-1 | VX047732.D | 23 Sep 2025 14:49 | vial A pH<2 | JC/MD | Ok |
| 16 | Q3141-06 | BP-VPB-184-GW-200-2 | VX047733.D | 23 Sep 2025 15:10 | vial A pH<2 | JC/MD | Ok |
| 17 | Q3141-07 | BP-VPB-184-GW-220-2 | VX047734.D | 23 Sep 2025 15:31 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q3097-15 | RE117D2-20250911 | VX047735.D | 23 Sep 2025 15:52 | vial A pH<2 | JC/MD | Ok |
| 19 | Q3097-17 | TB04-20250911 | VX047736.D | 23 Sep 2025 16:13 | vial A pH<2 TB | JC/MD | Ok |
| 20 | Q3097-19 | RE120D1-20250912 | VX047737.D | 23 Sep 2025 16:34 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 21 | Q3097-20 | DUP06-20250912 | VX047738.D | 23 Sep 2025 16:55 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 22 | Q3097-21 | RE120D2-20250912 | VX047739.D | 23 Sep 2025 17:16 | vial A pH<2 Need 5X | JC/MD | Dilution |
| 23 | Q3097-22 | RE134D1-20250912 | VX047740.D | 23 Sep 2025 17:36 | vial A pH<2 | JC/MD | Ok |
| 24 | Q3097-23 | RE134D4-20250912 | VX047741.D | 23 Sep 2025 17:57 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 25 | Q3097-24 | RE134D2-20250912 | VX047742.D | 23 Sep 2025 18:18 | vial A pH<2 | JC/MD | Ok |
| 26 | Q3151-02 | 1402 | VX047743.D | 23 Sep 2025 18:39 | vial A pH<2 | JC/MD | Ok |
| 27 | VSTDCCC050 | VSTDCCC050EC | VX047744.D | 23 Sep 2025 19:00 | | JC/MD | Ok,M |
| 28 | BFB | BFB | VX047745.D | 24 Sep 2025 01:30 | | JC/MD | Ok |
| 29 | VSTDCCC050 | VSTDCCC050 | VX047746.D | 24 Sep 2025 02:08 | CCC failed High For Com.#02 | JC/MD | Ok,M |
| 30 | VX0923WBL02 | VX0923WBL02 | VX047747.D | 24 Sep 2025 03:11 | | JC/MD | Ok |
| 31 | VX0923WBS03 | VX0923WBS03 | VX047748.D | 24 Sep 2025 03:53 | | JC/MD | Ok,M |
| 32 | VX0923WBSD03 | VX0923WBSD03 | VX047749.D | 24 Sep 2025 04:14 | | JC/MD | Ok,M |
| 33 | Q3127-03 | RE131D2-20250915 | VX047750.D | 24 Sep 2025 04:52 | vial A pH<2 Need 5X | JC/MD | Dilution |
| 34 | Q3127-05 | TT158I1-20250915 | VX047751.D | 24 Sep 2025 05:13 | vial A pH<2 | JC/MD | Ok |
| 35 | Q3127-06 | TT180D2-20250915 | VX047752.D | 24 Sep 2025 05:34 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 36 | Q3127-08 | RE132D6-20250916 | VX047753.D | 24 Sep 2025 05:55 | vial A pH<2 Need 50X | JC/MD | Dilution |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:19:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:43:07 AM | | |
| SubDirectory | VX092325 | HP Acquire Method | | HP Processing Method | 82X091625W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135588,VP135591 |
| Initial Calibration Stds | |
| CCC | VP135589,VP135590,VP135593,VP135594 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37 | Q3127-09 | TT101D2-20250915 | VX047754.D | 24 Sep 2025 06:16 | vial A pH<2 Need 50X | JC/MD | Dilution |
| 38 | Q3127-10 | TT101D-20250915 | VX047755.D | 24 Sep 2025 06:37 | vial A pH<2 E flag of previous sample;CCAL Failed High | JC/MD | ReRun |
| 39 | Q3127-12 | RE132D7-20250916 | VX047756.D | 24 Sep 2025 06:58 | vial A pH<2 Need 50X | JC/MD | Dilution |
| 40 | Q3127-16 | TT101D1-20250915 | VX047757.D | 24 Sep 2025 07:19 | vial A pH<2 CCC Failed High; Need 5X | JC/MD | ReRun |
| 41 | Q3127-18 | BPOW1-8-20250917 | VX047758.D | 24 Sep 2025 07:40 | vial A pH<2 E flag of previous sample | JC/MD | ReRun |
| 42 | Q3127-07 | RE135D2-20250915 | VX047759.D | 24 Sep 2025 08:01 | vial A pH<2 Confirm Concentration | JC/MD | Not Ok |
| 43 | Q3141-04 | BP-VPB-184-GW-100-1 | VX047760.D | 24 Sep 2025 08:22 | vial B pH<2 | JC/MD | Ok |
| 44 | Q3141-02 | BP-VPB-184-EB-20250 | VX047761.D | 24 Sep 2025 08:43 | vial B pH<2 EB | JC/MD | Ok |
| 45 | Q3127-04 | DUP07-20250915 | VX047762.D | 24 Sep 2025 09:04 | vial A pH<2 Need 5X | JC/MD | Dilution |
| 46 | Q3097-25 | RE134D3-20250912 | VX047763.D | 24 Sep 2025 09:25 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 47 | Q3127-13 | TT119S1-20250916 | VX047764.D | 24 Sep 2025 09:46 | vial A pH<2 E flag of previous sample | JC/MD | ReRun |
| 48 | Q3127-14MS | TT119S1-20250916MS | VX047765.D | 24 Sep 2025 10:07 | vial A pH<2 | JC/MD | Ok,M |
| 49 | Q3127-15MSD | TT119S1-20250916MS | VX047766.D | 24 Sep 2025 10:29 | vial A pH<2 | JC/MD | Ok,M |
| 50 | VSTDCCC050 | VSTDCCC050EC | VX047767.D | 24 Sep 2025 10:50 | | JC/MD | Ok,M |

M : Manual Integration

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# Prep Standard - Chemical Standard Summary

**Order ID :** Q3141

**Test :** VOC-TCLVOA-10

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** Vx092325,

**Standard ID :**
VP134142,VP134149,VP134933,VP134956,VP134957,VP135480,VP135552,VP135588,VP135589,VP135590,VP135591,VP135593,VP135594,

**Chemical ID :**
V13391,V14200,V14204,V14205,V14290,V14509,V14510,V14531,V14532,V14625,V14626,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14727,V14728,V14803,V14815,V14844,V14906,V14928,V14929,V14951,V14952,V15066,V15067,V15068,W3112,

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# VOC STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 719 | 8260 Working STD (BCM)-First source, 400PPM | VP134142 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 1810 | 8260 Working Std(2-CVE)-800ppm | VP134149 | 06/06/2025 | 12/06/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 06/10/2025 |

**FROM** 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 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 | VP134933 | 07/29/2025 | 01/29/2026 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 08/19/2025 |

**FROM** 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 247 | 8260 Internal Standard, 250PPM | VP134956 | 08/01/2025 | 11/09/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 08/06/2025 |

**FROM** 0.25000ml of V14290 + 24.75000ml of V14626 = 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 |
|---|---|---|---|---|---|---|---|---|
| 218 | BFB, 25PPM | VP134957 | 08/01/2025 | 11/22/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 08/06/2025 |

**FROM** 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 51 | 8260 Working STD (Acrolein) -first source, 800PPM | VP135480 | 09/16/2025 | 10/15/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/19/2025 |

**FROM** 1.00000ml of V15066 + 1.50000ml of V15067 + 1.50000ml of V15068 + 21.00000ml of V14625 = 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 |
|---|---|---|---|---|---|---|---|---|
| 257 | 8260 Calibration Working STD Mix-First source, 160PPM | VP135552 | 09/22/2025 | 11/03/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 09/26/2025 |

**FROM** 0.40000ml of V14844 + 1.00000ml of V14200 + 1.00000ml of V14509 + 1.00000ml of V14510 + 1.00000ml of V14531 + 1.00000ml of V14532 + 1.00000ml of V14727 + 1.00000ml of V14728 + 1.00000ml of V14803 + 1.00000ml of V14815 + 1.00000ml of V14951 + 1.00000ml of V14952 + 1.50000ml of V14204 + 1.50000ml of V14205 + 10.60000ml of V14928 = Final Quantity: 25.000 ml

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | ScaleID | PipetteID | Supervised By |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP135588 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP134957 = 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 | VP135589 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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 | VP135590 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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 |
|---|---|---|---|---|---|---|---|---|
| 589 | BFB TUNE CHECK | VP135591 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP134957 = 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 | VP135593 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = 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 | VP135594 | 09/23/2025 | 09/24/2025 | John Carlone | None | None | Semsettin Yesilyurt 09/26/2025 |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135480 + 0.01250ml of VP135552 = Final Quantity: 40.000 ml

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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 | 30067 / BFB tuneing solution | A0191805 | 11/22/2025 | 11/22/2024 / SAM | 01/13/2023 / SAM | V13391 |

| 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 | 03/22/2026 | 09/22/2025 / sam | 02/28/2024 / SAM | V14200 |

| 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 | 03/22/2026 | 09/22/2025 / sam | 02/28/2024 / SAM | V14204 |

| 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 | 03/22/2026 | 09/22/2025 / sam | 02/28/2024 / SAM | V14205 |

| 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 | 12/12/2025 | 12/12/2024 / SAM | 04/15/2024 / SAM | V14290 |

| 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 | 03/22/2026 | 09/22/2025 / sam | 09/17/2024 / SAM | V14509 |

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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) | 021624 | 03/22/2026 | 09/22/2025 / sam | 09/17/2024 / SAM | V14510 |

| 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) | 091724 | 03/22/2026 | 09/22/2025 / sam | 09/18/2024 / SAM | V14531 |

| 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) | 091724 | 03/22/2026 | 09/22/2025 / sam | 09/18/2024 / SAM | V14532 |

| 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) | 23I0762004 | 01/29/2026 | 07/29/2025 / SAM | 11/26/2024 / SAM | V14625 |

| 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) | 23I0762004 | 11/09/2025 | 05/09/2025 / SAM | 11/26/2024 / SAM | V14626 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14636 |

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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. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14637 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14638 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | / 2-Chloroethyl vinyl ether | 120524 | 12/06/2025 | 06/06/2025 / SAM | 12/06/2024 / SAM | V14639 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14668 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14671 |

| 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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14673 |

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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 | A0214960 | 12/06/2025 | 06/06/2025 / SAM | 12/09/2024 / SAM | V14675 |

| 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 | A0216826 | 03/22/2026 | 09/22/2025 / sam | 12/17/2024 / SAM | V14727 |

| 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 | A0216826 | 03/22/2026 | 09/22/2025 / sam | 12/17/2024 / SAM | V14728 |

| 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 | A0220471 | 03/22/2026 | 09/22/2025 / sam | 01/08/2025 / SAM | V14803 |

| 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 | A0220471 | 03/22/2026 | 09/22/2025 / sam | 01/08/2025 / SAM | V14815 |

| 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 | A0217535 | 03/22/2026 | 09/22/2025 / sam | 01/21/2025 / SAM | V14844 |

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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 | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0223904 | 07/29/2026 | 07/29/2025 / SAM | 03/24/2025 / SAM | V14906 |

| 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) | 24G0262002 | 03/22/2026 | 09/22/2025 / sam | 05/09/2025 / SAM | V14928 |

| 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) | 24G0262002 | 12/06/2025 | 06/06/2025 / SAM | 05/09/2025 / SAM | V14929 |

| 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 | A0222076 | 03/22/2026 | 09/22/2025 / sam | 05/19/2025 / SAM | V14951 |

| 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 | A0222076 | 03/22/2026 | 09/22/2025 / sam | 05/19/2025 / SAM | V14952 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 091525 | 10/15/2025 | 09/16/2025 / sam | 09/16/2025 / sam | V15066 |

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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) | 091525 | 10/15/2025 | 09/16/2025 / sam | 09/16/2025 / sam | V15067 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---|---|---|---|---|---|---|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 091525 | 10/15/2025 | 09/16/2025 / sam | 09/16/2025 / sam | V15068 |

| 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 |

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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 | 0.5 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrable Base (µeq/g) | ≤ 0.10 | 0.01 |
| 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

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
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# Certificate of Analysis

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| Titrable Base (µeq/g) | ≤ 0.10 | 0.01 |
| 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

Ken Koehnlein
Sr. Manager, Quality Assurance

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 | 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) | 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) | MKCR6561 | 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 | (0466) | 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 | (0381) | 06128PX | 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) | MKBW6137V | 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 | 20.8 | 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 149.8mg/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 | 1999.8 | 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 | 1999.8 | 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 8040mg/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 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

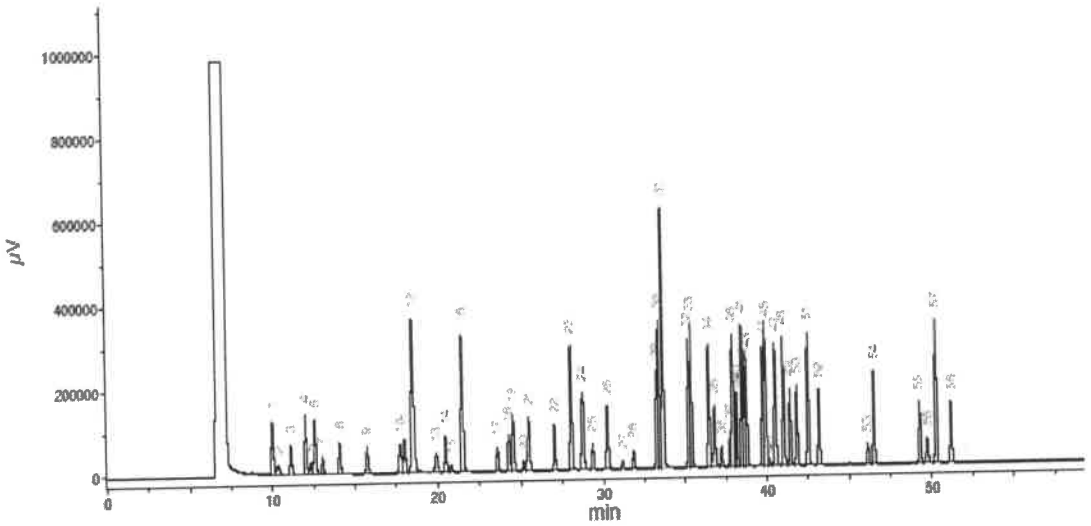
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty 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).

## 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-1,2,3-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 | 18.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.48 |
| 17 | Trichloroethene | 23.86 |
| 18 | 1,2-Dichloropropane | 24.26 |
| 19 | Methyl methacrylate | 24.62 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.07 |
| 23 | Toluene | 28.09 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethane/1,3-Dichloropropane | 30.34 |
| 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 | 33.85 |
| 32 | o-Xylene | 35.33 |
| 33 | Styrene | 35.50 |
| 34 | Isopropylbenzene/Bromoform | 35.48 |
| 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 | 41.63 |
| 51 | n-Butylbenzene | 42.02 |
| 52 | 1,2-Dichlorobenzene | 42.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.46 |
| 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. | 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)**

| | | | |
|---|---|---|---|
| **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.**
800-368-1131
www.absolutestandards.com

**Certified Reference Material CRM**

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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 | 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) | 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) | MKCR6561 | 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 | (0466) | 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 | (0381) | 06128PX | 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) | MKBW6137V | 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 | 20.8 | 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 149.8mg/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 | 1999.8 | 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 | 1999.8 | 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 8040mg/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 | 40000.8 | 2000 | NA | NA | 0.017 | NA | NA | 1999.5 | 22.9 | 106-42-3 | 100 ppm (435mg/m3/8H) | orl-rat 5g/kg |

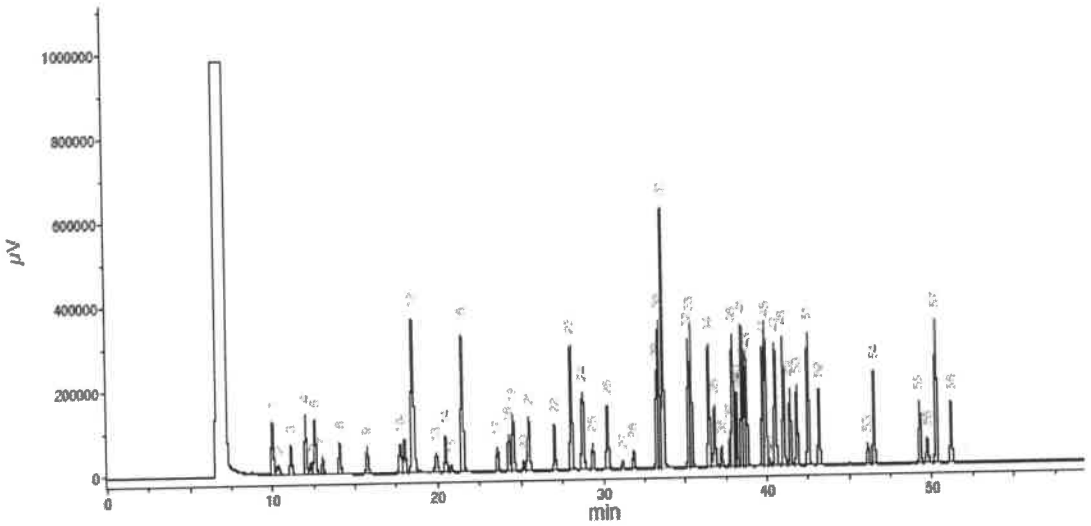
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty 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).

## 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-1,2,3-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 | 18.91 |
| 14 | 1,1-Dichloropropene | 20.46 |
| 15 | Carbon tetrachloride | 20.79 |
| 16 | Benzene/1,2-Dichloroethane | 21.48 |
| 17 | Trichloroethene | 23.86 |
| 18 | 1,2-Dichloropropane | 24.26 |
| 19 | Methyl methacrylate | 24.62 |
| 20 | Bromodichloromethane | 25.13 |
| 21 | Dibromomethane/2-Nitropropane | 25.46 |
| 22 | cis-1,3-Dichloropropene | 27.07 |
| 23 | Toluene | 28.09 |
| 24 | Ethyl methacrylate/trans-1,3-Dichloropropene | 28.73 |
| 25 | 1,1,2-Trichloroethane | 29.34 |
| 26 | Tetrachloroethane/1,3-Dichloropropane | 30.34 |
| 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 | 33.85 |
| 32 | o-Xylene | 35.33 |
| 33 | Styrene | 35.50 |
| 34 | Isopropylbenzene/Bromoform | 35.48 |
| 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 | 41.63 |
| 51 | n-Butylbenzene | 42.02 |
| 52 | 1,2-Dichlorobenzene | 42.18 |
| 53 | 1,2-Dibromo-3-chloropropane | 46.12 |
| 54 | Nitrobenzene | 46.58 |
| 55 | 1,2,4-Trichlorobenzene | 49.26 |
| 56 | Hexachlorobutadiene | 49.72 |
| 57 | Naphthalene | 50.46 |
| 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. | 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)**

| | | | |
|---|---|---|---|
| **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.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

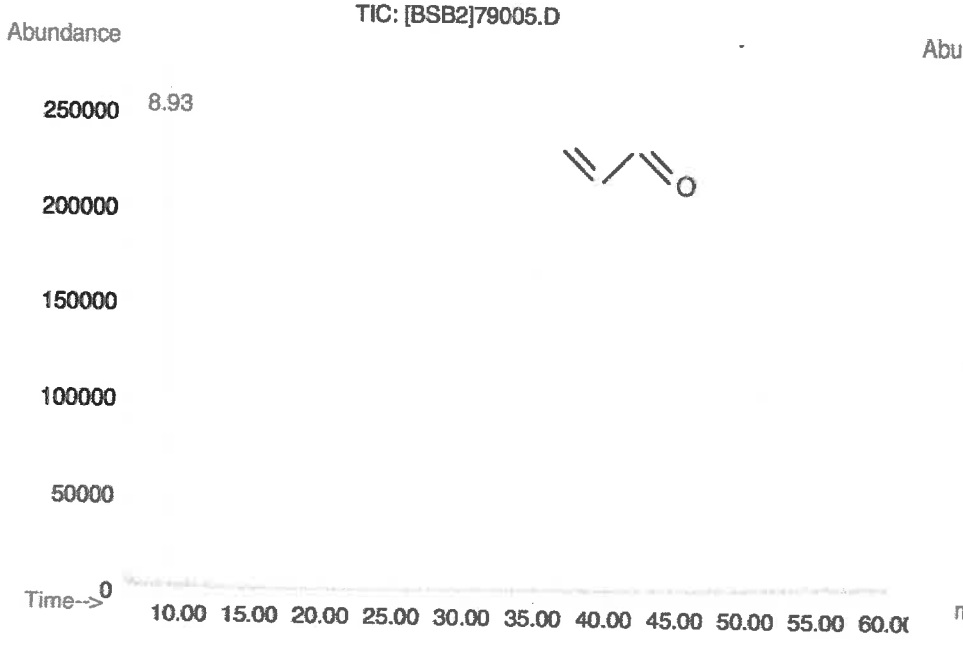
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

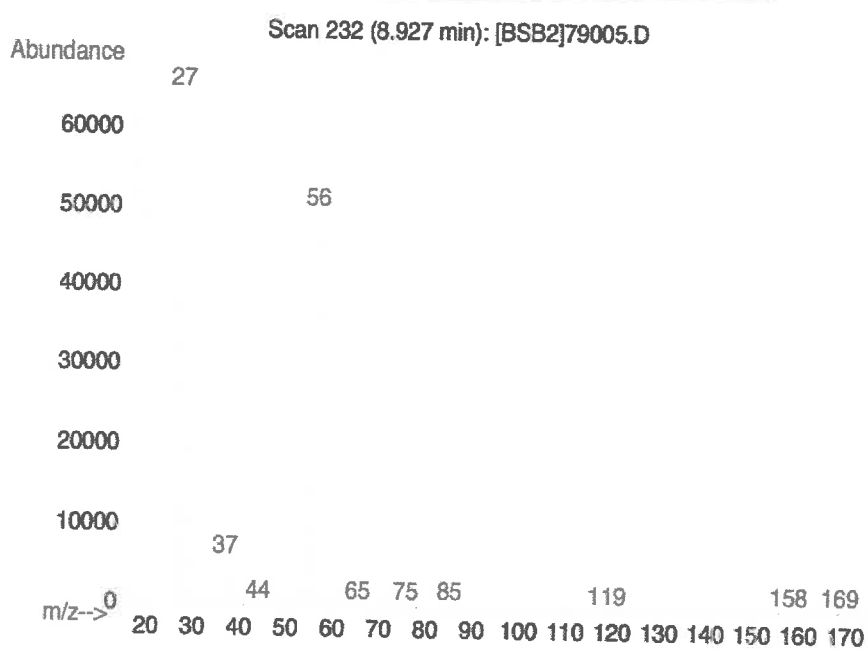
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
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. 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 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.**
800-368-1131
www.absolutestandards.com

***Certified Reference Material CRM***

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

**Solvent(s):** **Lot#**
Water 072324Q

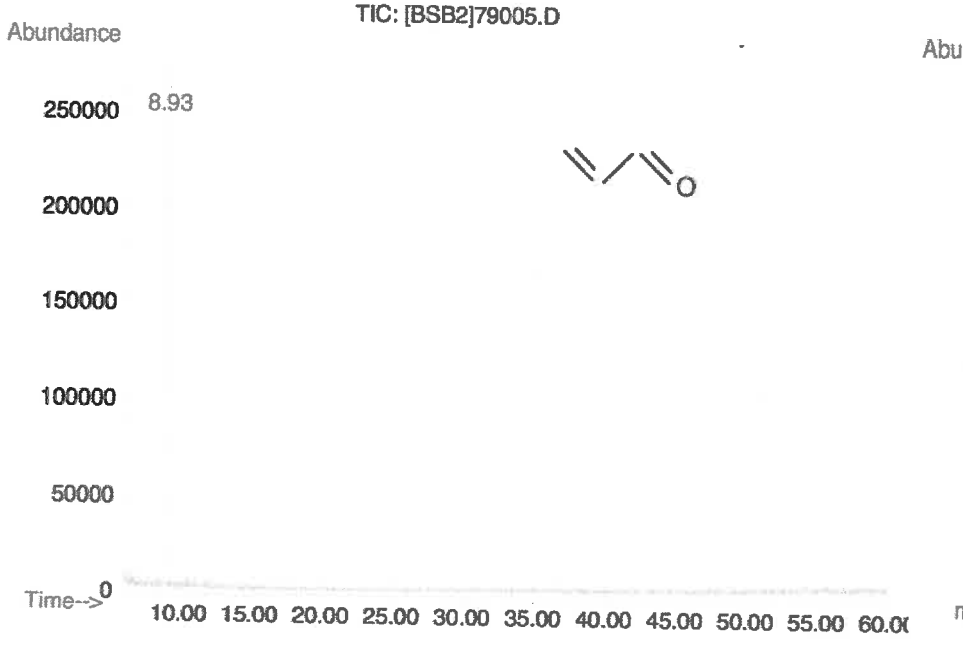
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

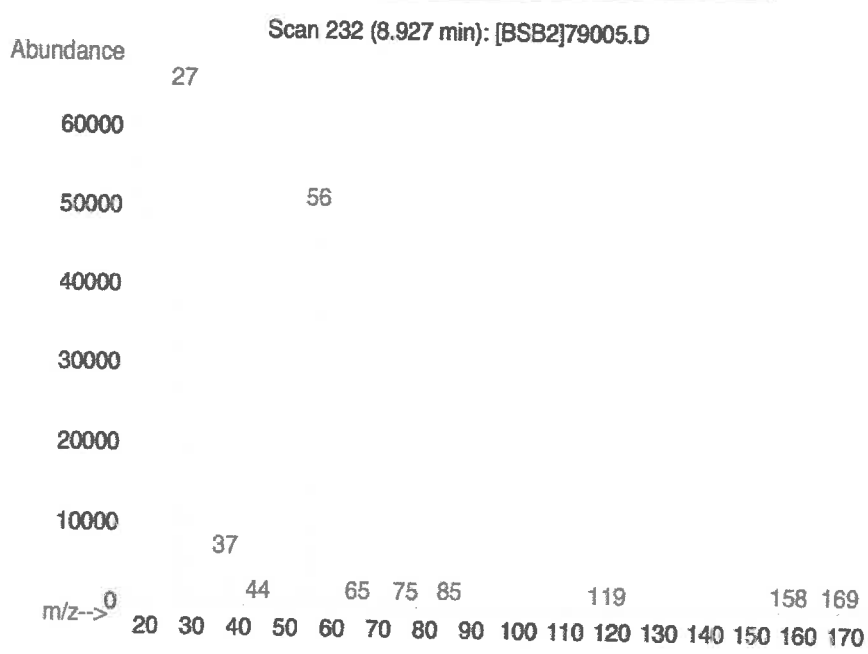
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
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. 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 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).

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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

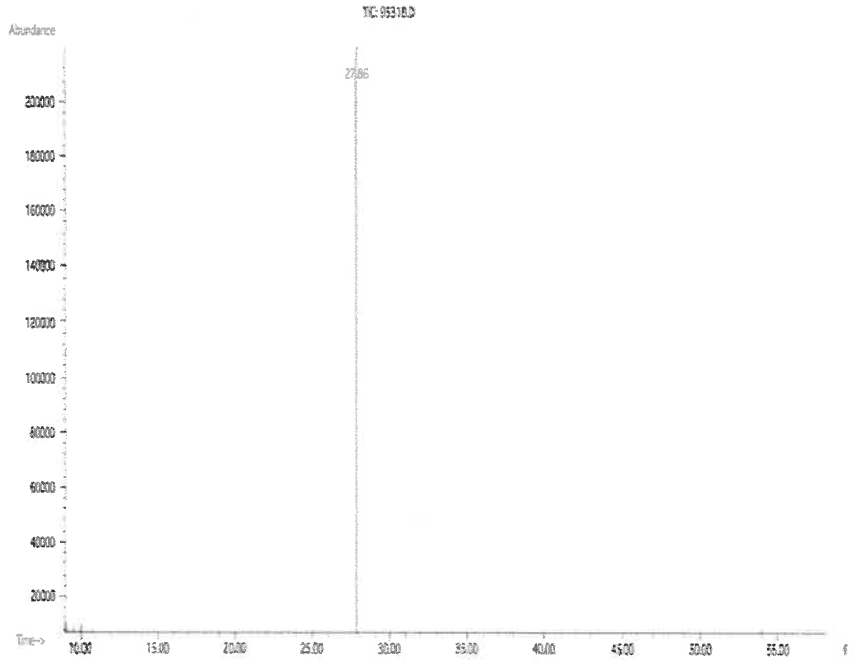
V14630 to V14649

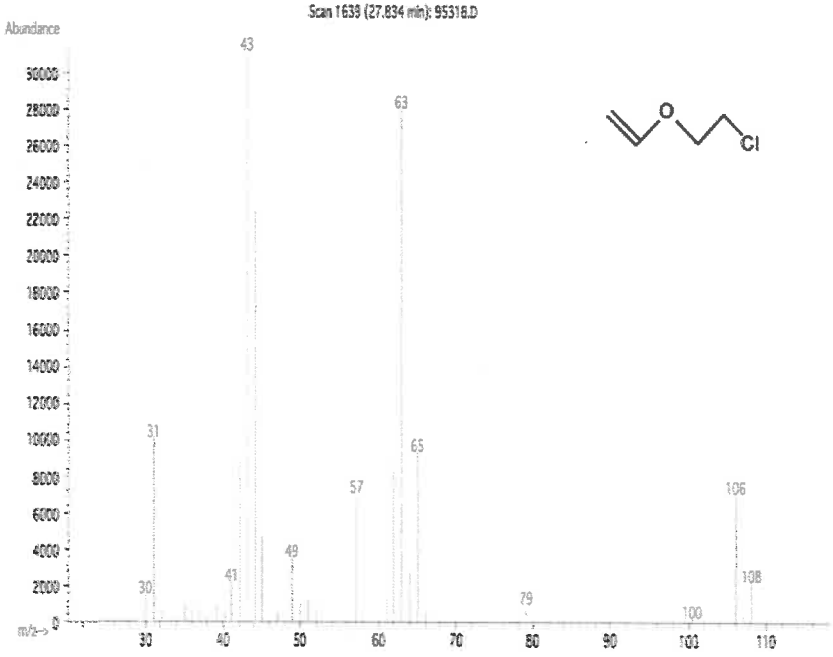
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 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 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-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.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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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.<br>Hamden CT, 06514 | Emergency Telephone International<br>Date Prepared/Revised | **1-352-323-3500**<br>January 1, 2024 |

## 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.<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.

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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

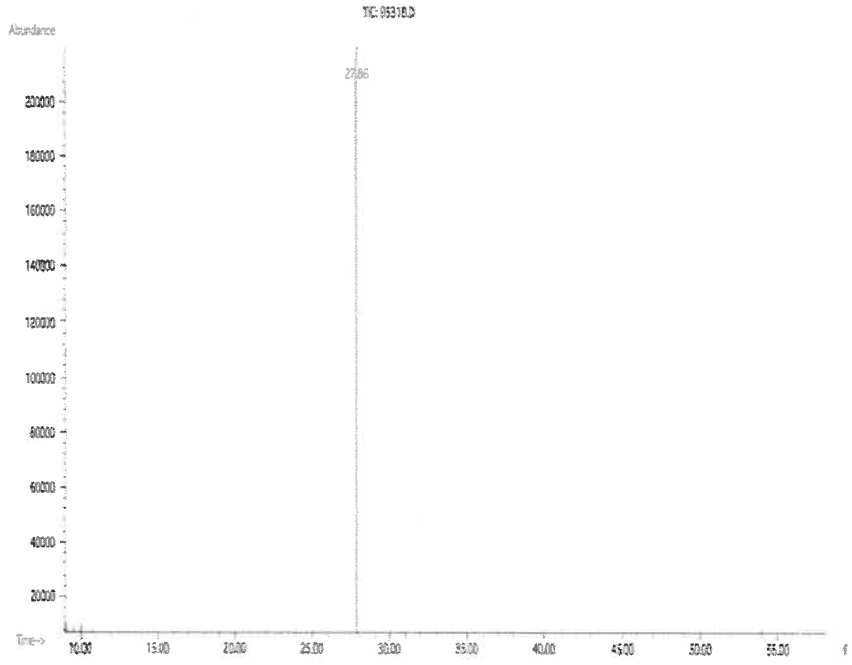
V14630 to V14649

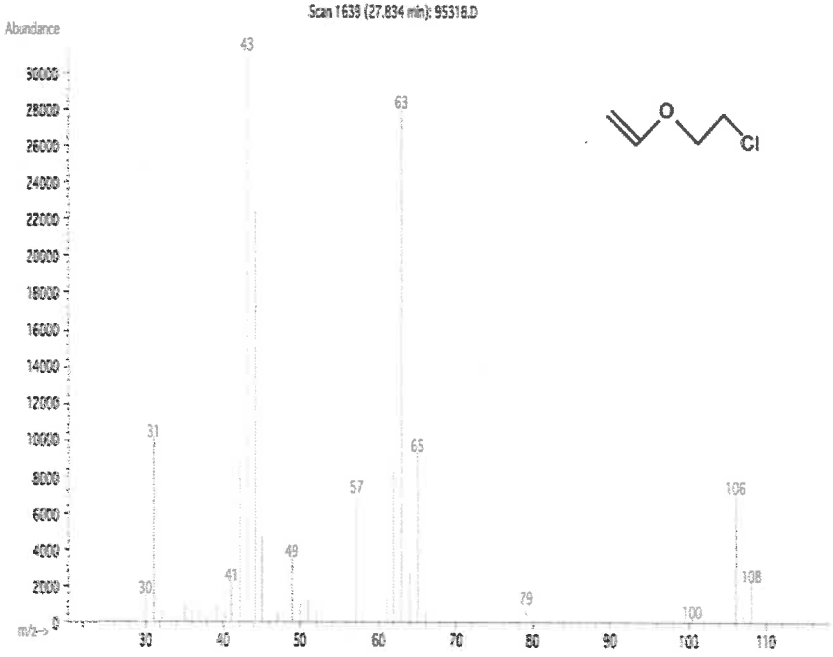
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 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 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-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).
- 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.
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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, 2024 |

## 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.<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.

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20 vial

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## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

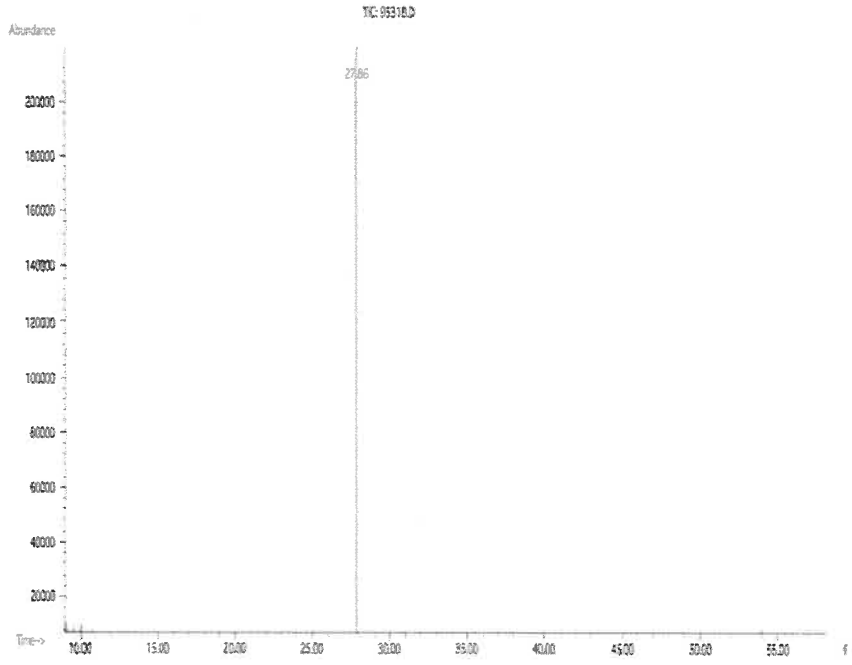
V14630 to V14649

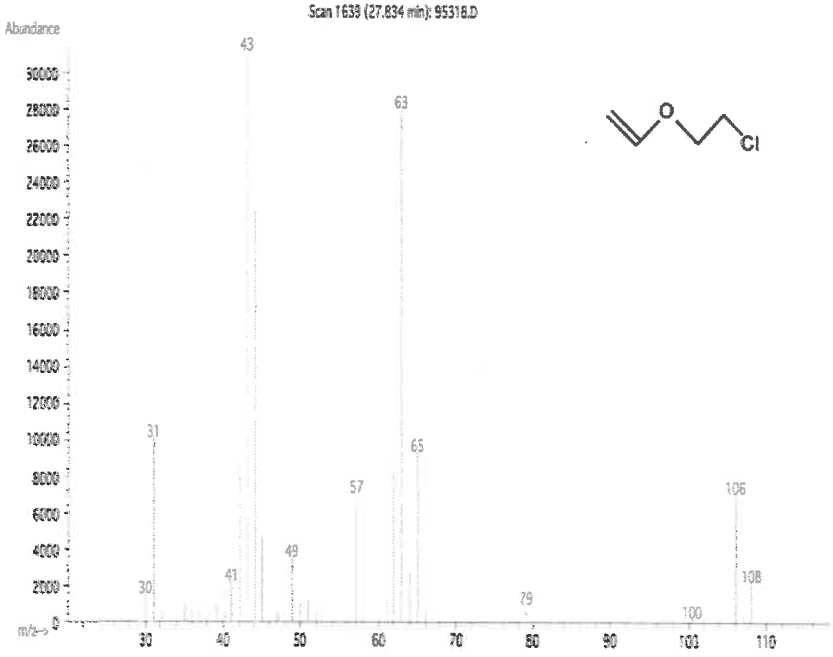
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 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 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-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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**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, 2024 |

## 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.<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***

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

## CERTIFIED WEIGHT REPORT

**Part Number:** 95318
**Lot Number:** 120524
**Description:** 2-Chloroethyl vinyl ether

**Expiration Date:** 120527
**Recommended Storage:** Refrigerate (4 °C)
**Nominal Concentration (µg/mL):** 10000
**NIST Test ID#:** 6UTB

**Solvent(s):** Methanol **Lot#** EJ143-US

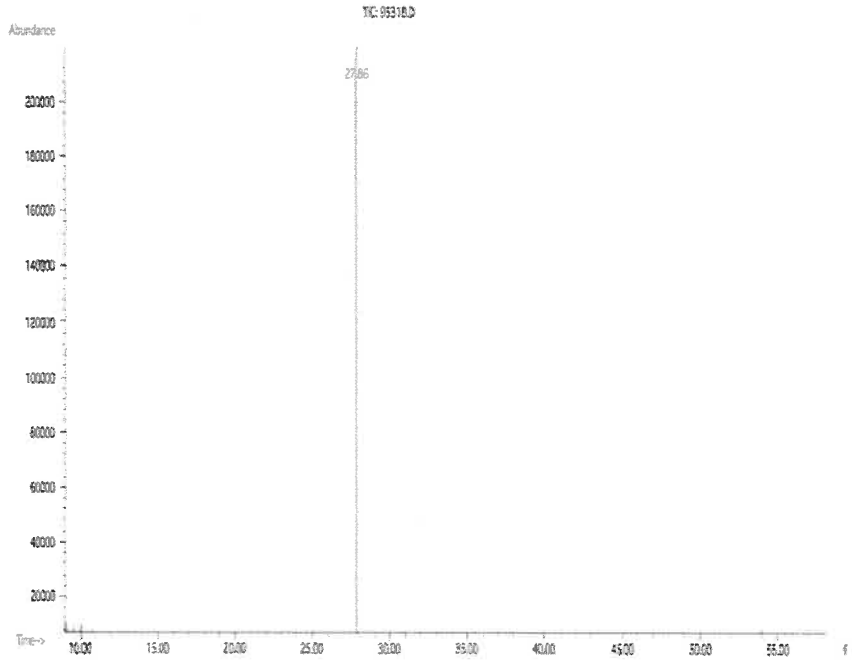
V14630 to V14649

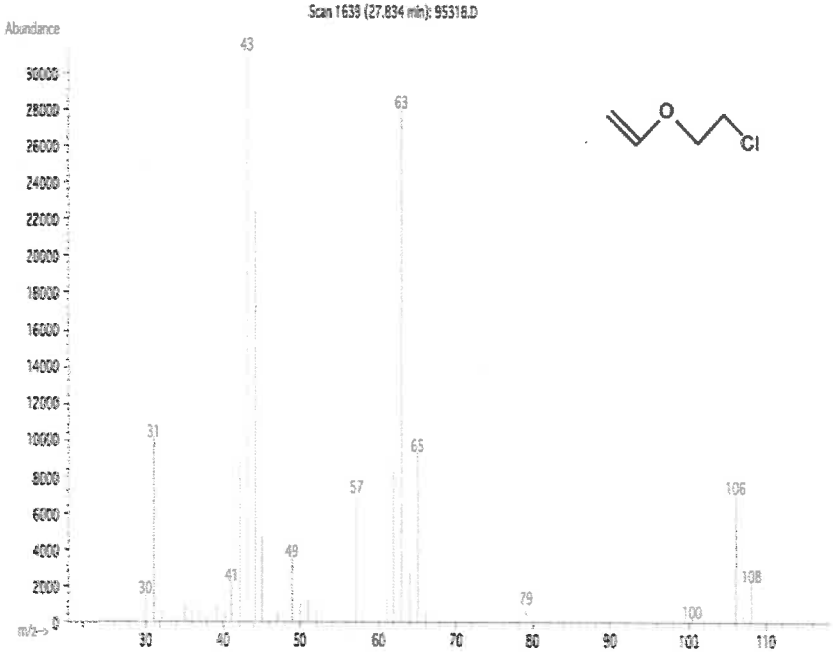
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

| Formulated By: | Prashant Chauhan | 120524 DATE |
|---|---|---|
| Reviewed By: | Pedro L. Rentas | 120524 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 | 0.50536 | 0.50550 | 10002.9 | 40.5 | 110-75-8 | N/A | ori-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.
- 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 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, 2024 |

## 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.<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 |
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| 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.
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LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
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| | |
|---|---|
| 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.

RESTEK
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

*chromatographic plus*

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. :** 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.)

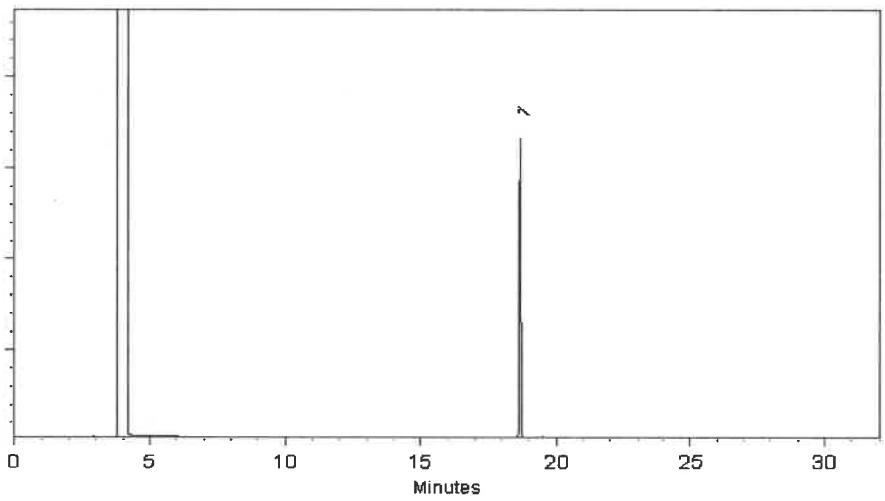
**Inj. Temp:**
200°C

**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.

RESTEK
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

*chromatographic plus*

ACCREDITED
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Certificate #3222.01

ACCREDITED
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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.:** 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.)

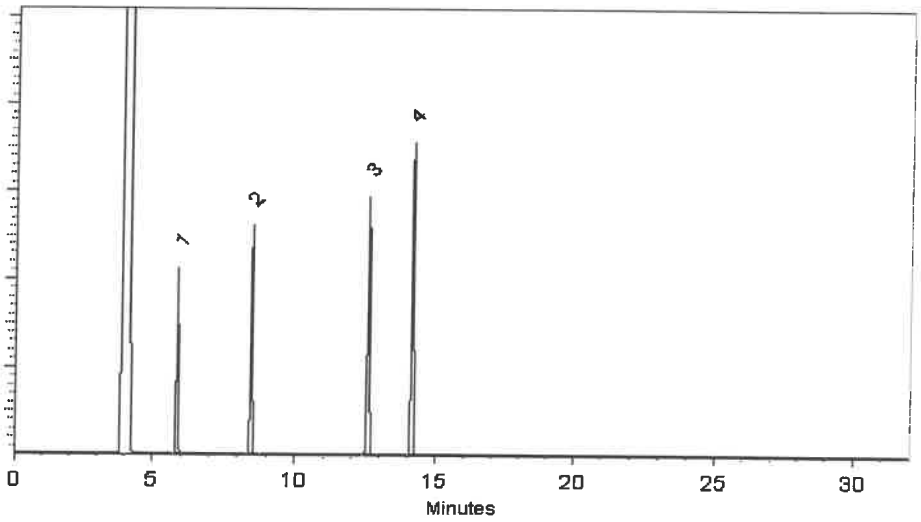
**Inj. Temp:**
200°C

**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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CERTIFIED REFERENCE MATERIAL

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**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.)

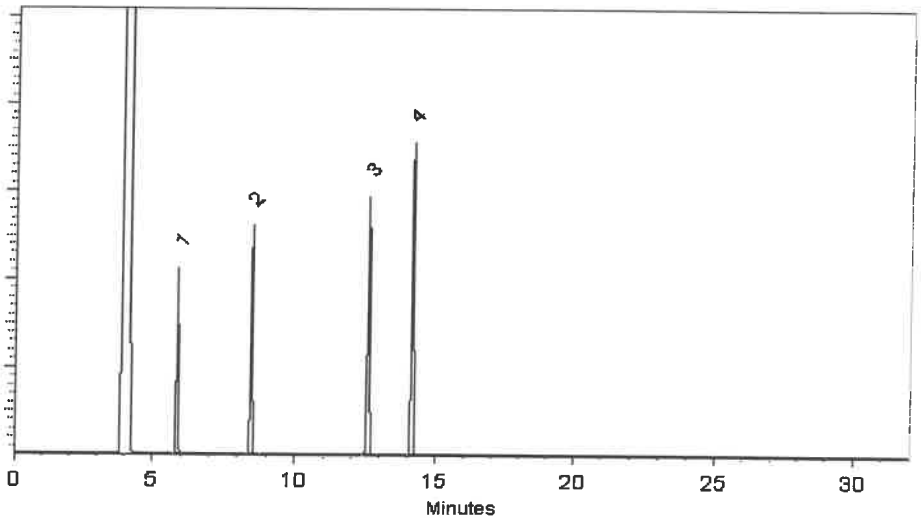
**Inj. Temp:**
200°C

**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.
- 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

# Certificate of Analysis

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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.:** 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.)

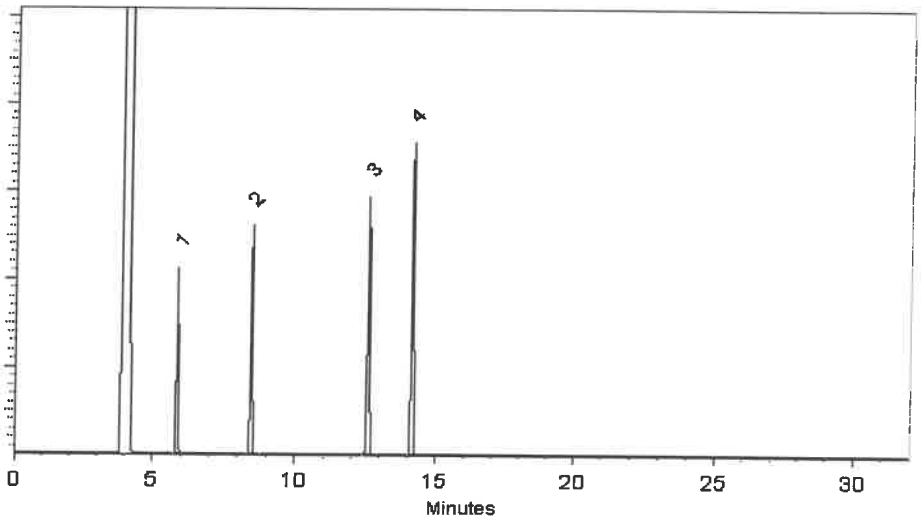
**Inj. Temp:**
200°C

**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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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

***gravimetric***

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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. :** 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:

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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:

- 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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Dec: 12/09/24

# Certificate of Analysis

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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

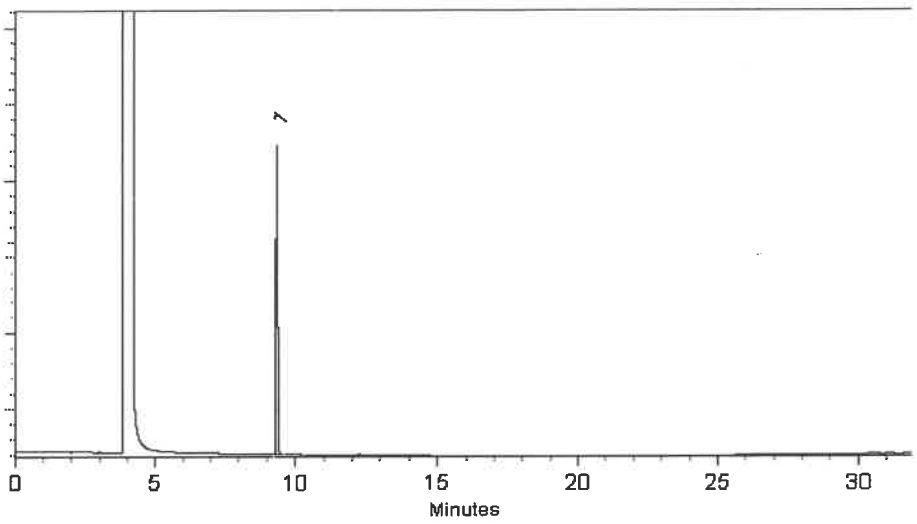
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Dec: 12/09/24

# Certificate of Analysis

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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

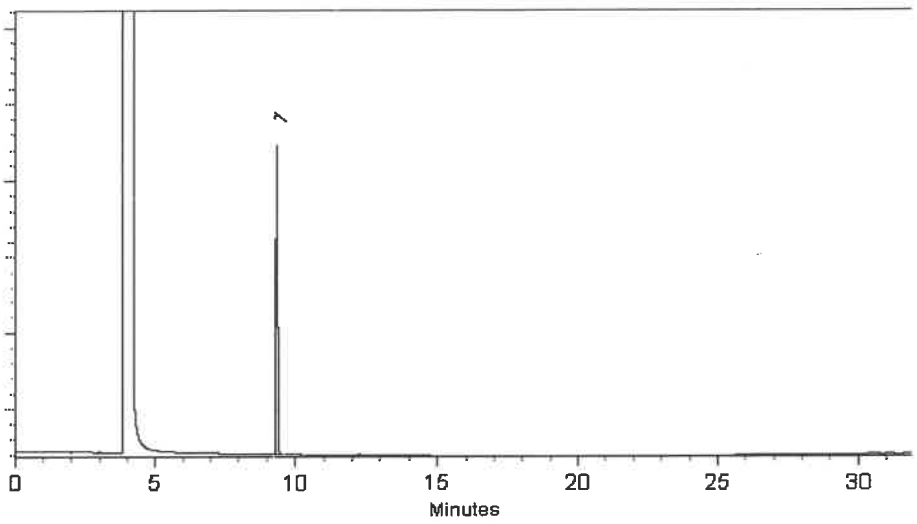
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Dec: 12/09/24

# Certificate of Analysis

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Reference Material Producer
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ACCREDITED
ISO/IEC 17025 Accredited
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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

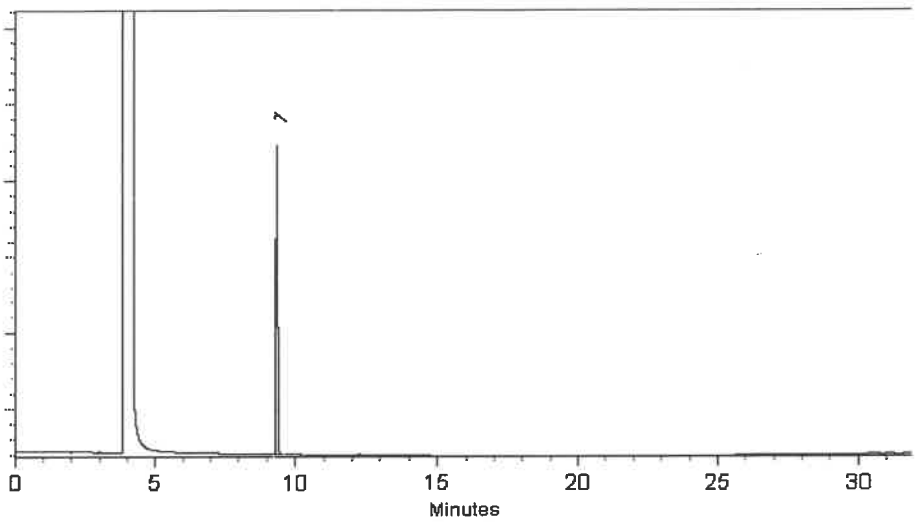
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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10 vial.

CERTIFIED REFERENCE MATERIAL

Dec: 12/09/24

# Certificate of Analysis

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V14667 to
V14676

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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. :** 30225 **Lot No.:** A0214960

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 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 | Bromochloromethane | 74-97-5 | SYN240416CTH | 99% | 2,012.0 µg/mL | +/- 113.0519 |

* 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.)

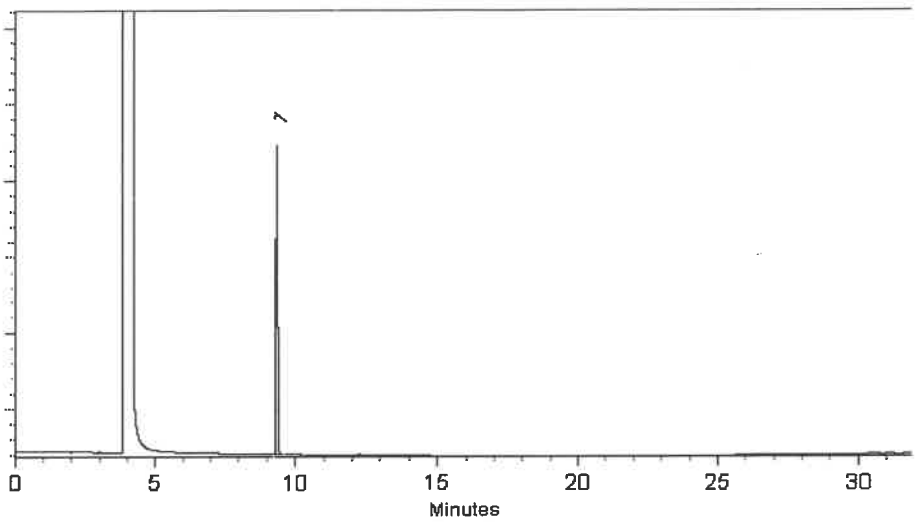
**Inj. Temp:**
200°C

**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.

Stacey Wanner - Operations Technician I

**Date Mixed:** 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 14-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

# Certificate of Analysis

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V14727 to
V14756

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Reference Material Producer
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. :** 30042 **Lot No.:** A0216826

**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 :** May 31, 2031 **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 | 00022922 | 99% | 2,000.9 µg/mL | +/- 112.4144 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | 00022694 | 99% | 2,000.7 µg/mL | +/- 112.3998 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,000.3 µg/mL | +/- 112.3779 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 00017022 | 99% | 2,001.8 µg/mL | +/- 112.4650 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,000.1 µg/mL | +/- 112.3700 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCJ8658 | 99% | 2,000.7 µg/mL | +/- 112.3992 |

* 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.

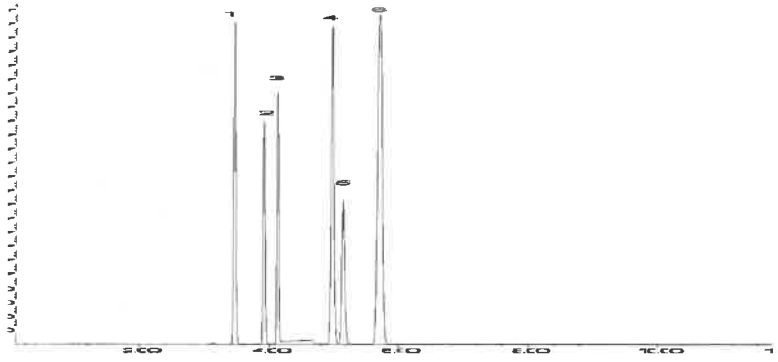
**Inj. Temp:**
200°C

**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:** 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 04-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

30 Vial

# Certificate of Analysis

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V14727 to
V14756

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ISO/IEC 17025 Accredited
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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.:** A0216826

**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 :** May 31, 2031 **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 | 00022922 | 99% | 2,000.9 µg/mL | +/- 112.4144 |
| 2 | Chloromethane (methyl chloride) | 74-87-3 | 00022694 | 99% | 2,000.7 µg/mL | +/- 112.3998 |
| 3 | Vinyl chloride | 75-01-4 | 00015559 | 99% | 2,000.3 µg/mL | +/- 112.3779 |
| 4 | Bromomethane (methyl bromide) | 74-83-9 | 00017022 | 99% | 2,001.8 µg/mL | +/- 112.4650 |
| 5 | Chloroethane (ethyl chloride) | 75-00-3 | 107-401039114-1 | 99% | 2,000.1 µg/mL | +/- 112.3700 |
| 6 | Trichlorofluoromethane (CFC-11) | 75-69-4 | MKCJ8658 | 99% | 2,000.7 µg/mL | +/- 112.3992 |

* 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.

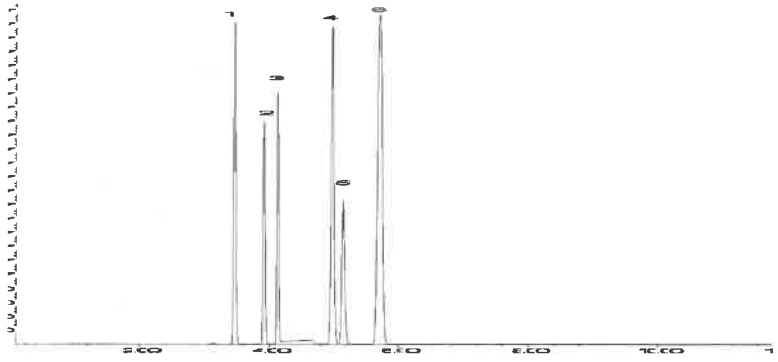
**Inj. Temp:**
200°C

**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:** 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 04-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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

***chromatographic plus***

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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. :** 30470 **Lot No.:** A0217535

**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 :** October 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 | tert-Butanol (TBA) | 75-65-0 | SHBQ8002-1 | 99% | 50,007.5 µg/mL | +/- 717.6137 |

* 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.)

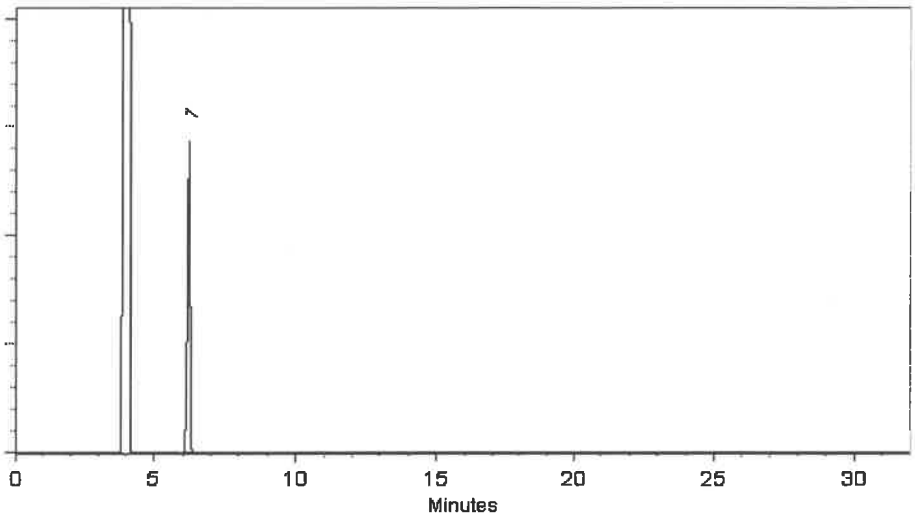
**Inj. Temp:**
200°C

**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.

Aaron Enyart - Operations Tech I

**Date Mixed:** 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

**Date Passed:** 09-Oct-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  $k$ 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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Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic*

V14803 - V14822

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. :** 555408-SL **Lot No.:** A0220471

**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, 2026 **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 | RD240423RSR | 99% | 8,066.0 µg/mL | +/- 278.7979 |

* 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.)

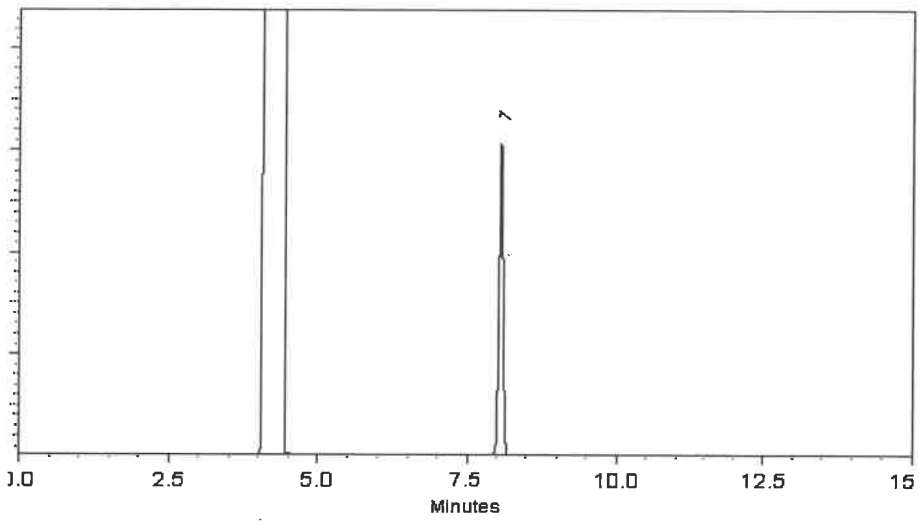
**Inj. Temp:**
200°C

**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.

Ethan Winiarski - Operations Tech I

**Date Mixed:** 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

**Date Passed:** 02-Jan-2025

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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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic*

V14803 - V14822

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. :** 555408-SL **Lot No.:** A0220471

**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, 2026 **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 | RD240423RSR | 99% | 8,066.0 µg/mL | +/- 278.7979 |

* 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.)

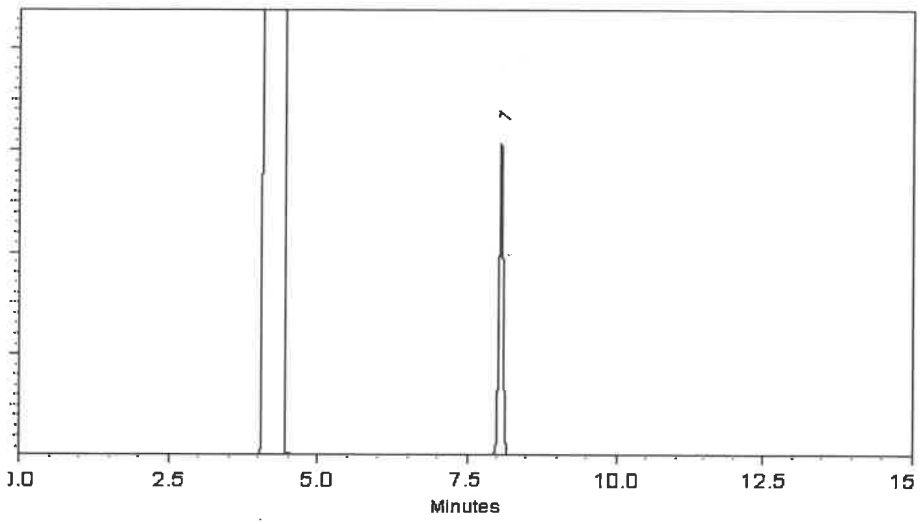
**Inj. Temp:**
200°C

**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.

Ethan Winiarski - Operations Tech I

**Date Mixed:** 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

**Date Passed:** 02-Jan-2025

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
110 Benner Circle
Bellefonte, PA 16823-8812
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www.restek.com

10 vial

# CERTIFIED REFERENCE MATERIAL

Lee 03/31/25

# Certificate of Analysis

***gravimetric***

V14904 to V14913

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. :** 555582 **Lot No.:** A0223904

**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 :** March 31, 2028 **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-33313 | 99% | 25,108.0 µg/mL | +/- 1,421.9957 |
| 2 | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4 | 0000268853 | 99% | 25,108.0 µg/mL | +/- 1,421.9957 |
| 3 | Dibromofluoromethane | 1868-53-7 | VENKAT02 | 99% | 25,232.0 µg/mL | +/- 1,429.0184 |
| 4 | Toluene-d8 | 2037-26-5 | PR-34141 | 99% | 25,156.0 µg/mL | +/- 1,424.7141 |

**Solvent:** P&T Methanol
**CAS #** 67-56-1
**Purity** 99%

Brittany Federinko - Operations Tech I

**Date Mixed:** 27-Mar-2025 **Balance:** B251644995

**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.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
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 | 0.3 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.3 |
| 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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

# Certificate of Analysis

| Test | Specification | Result |
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| Titrable Acid (µeq/g) | ≤ 0.3 | 0.3 |
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| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
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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

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Rec 05/19/25

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL
2 x Vial

# Certificate of Analysis

***chromatographic plus***

VJ14951 to VJ14970

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.:** A0222076

**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 :** August 31, 2026 **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 | SHBR1889 | 99% | 2,004.0 µg/mL | +/- 69.2674 |
| 2 | Vinyl acetate | 108-05-4 | RD240423RSR | 99% | 2,010.0 µg/mL | +/- 69.4748 |
| 3 | Ethyl acetate | 141-78-6 | SHBS3323 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBR2024 | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 7 | Amyl acetate | 628-63-7 | BCBT7442 | 99% | 2,006.7 µg/mL | +/- 69.3596 |

* 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

Rec 05/19/25

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CERTIFIED REFERENCE MATERIAL
2 x Vial

# Certificate of Analysis

***chromatographic plus***

VJ14951 to VJ14970

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.:** A0222076

**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 :** August 31, 2026 **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 | SHBR1889 | 99% | 2,004.0 µg/mL | +/- 69.2674 |
| 2 | Vinyl acetate | 108-05-4 | RD240423RSR | 99% | 2,010.0 µg/mL | +/- 69.4748 |
| 3 | Ethyl acetate | 141-78-6 | SHBS3323 | 99% | 2,019.3 µg/mL | +/- 69.7974 |
| 4 | Isopropyl acetate | 108-21-4 | BCCG7069 | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 5 | Propyl acetate | 109-60-4 | P8XLN | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 6 | Butyl acetate | 123-86-4 | SHBR2024 | 99% | 2,008.0 µg/mL | +/- 69.4057 |
| 7 | Amyl acetate | 628-63-7 | BCBT7442 | 99% | 2,006.7 µg/mL | +/- 69.3596 |

* 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

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 091525 |
| Description: | Acrolein |
| Expiration Date: | 101525 |
| Recommended Storage: | Refrigerate (2°C to 8°C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** **Lot#**
Water 041725Q

V15064 to V15068

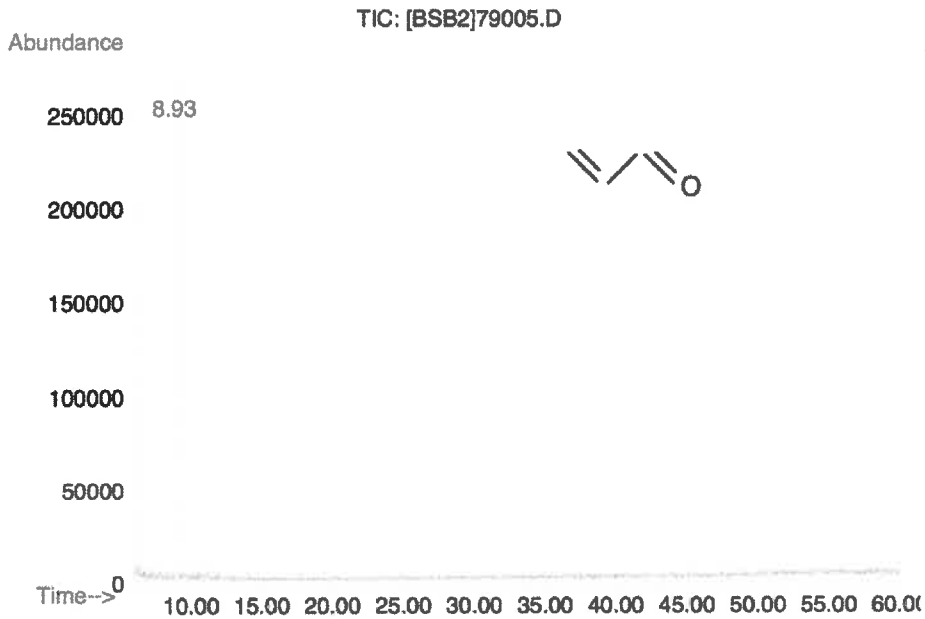
5E-05 Balance Uncertainty

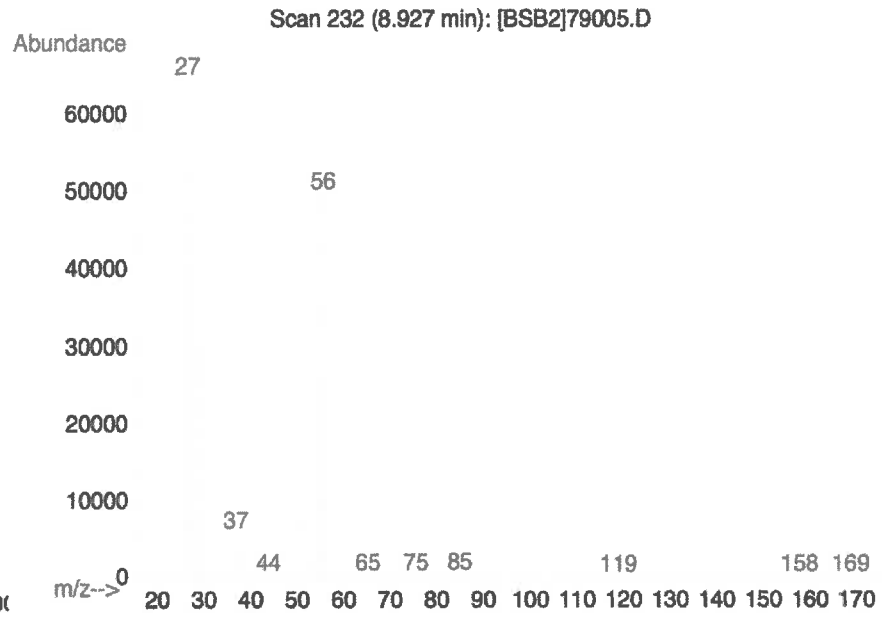
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| | |
|---|---|
| 091525 | |
| Formulated By: Anthony Mahoney | DATE |
| 091525 | |
| 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05176 | 5009.9 | 52.6 | 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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

**Rev 1.0, 2/25/2025**

**Absolute Standards, Inc.**
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www.absolutestandards.com

*Certified Reference Material CRM*

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 091525 |
| Description: | Acrolein |
| Expiration Date: | 101525 |
| Recommended Storage: | Refrigerate (2°C to 8°C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** **Lot#**
Water 041725Q

V15064 to V15068

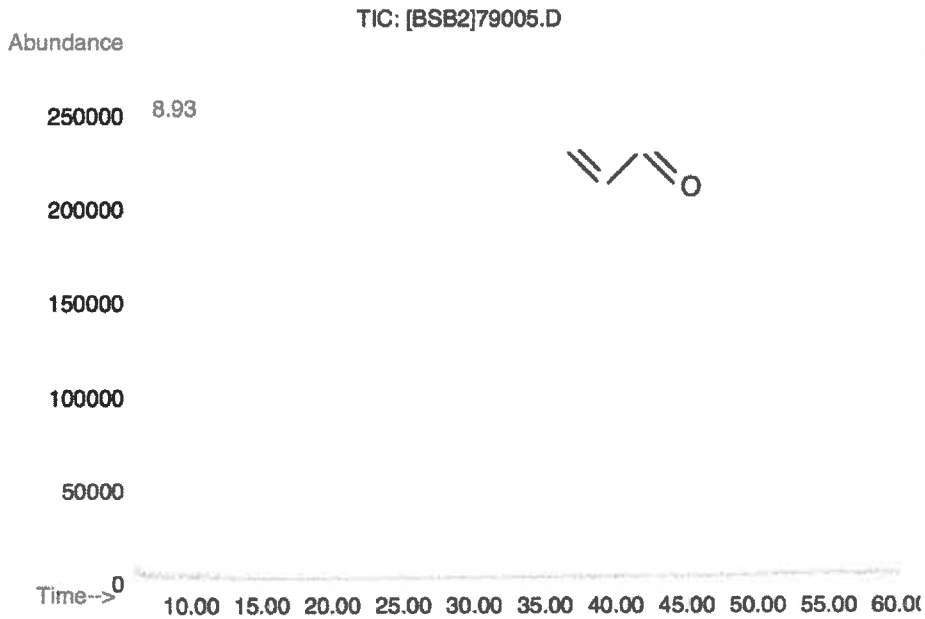
5E-05 Balance Uncertainty

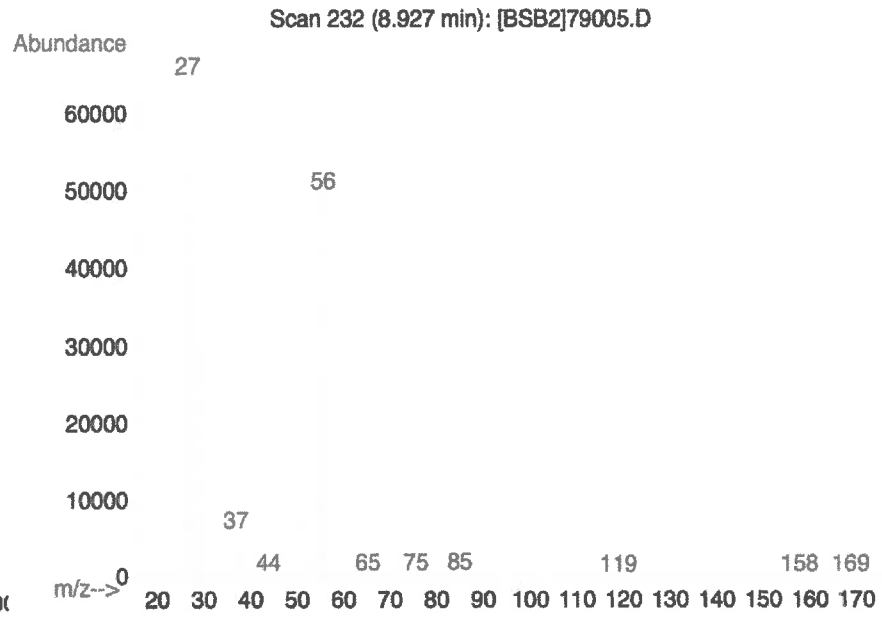
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| | |
|---|---|
| 091525 | |
| Formulated By: Anthony Mahoney | DATE |
| 091525 | |
| 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05176 | 5009.9 | 52.6 | 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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

**Rev 1.0, 2/25/2025**

**Absolute Standards, Inc.**
800-368-1131
www.absolutestandards.com

*Certified Reference Material CRM*

Rec 09/16/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

| | |
|---|---|
| **Part Number:** | 91980 |
| Lot Number: | 091525 |
| Description: | Acrolein |
| Expiration Date: | 101525 |
| Recommended Storage: | Refrigerate (2°C to 8°C) |
| Nominal Concentration (µg/mL): | 5000 |
| NIST Test ID#: | 6UTB |

**Solvent(s):** **Lot#**
Water 041725Q

V15064 to V15068

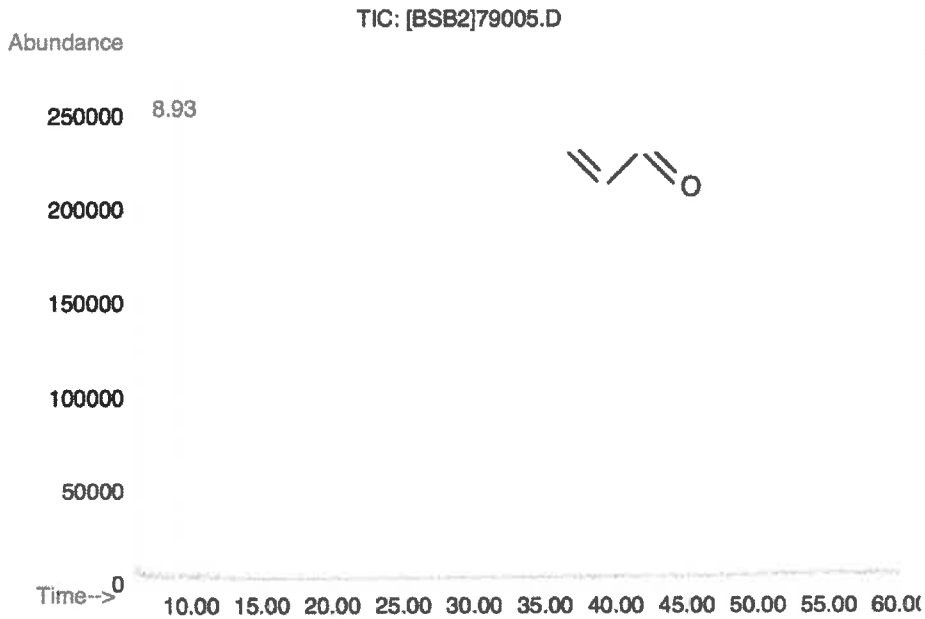
5E-05 Balance Uncertainty

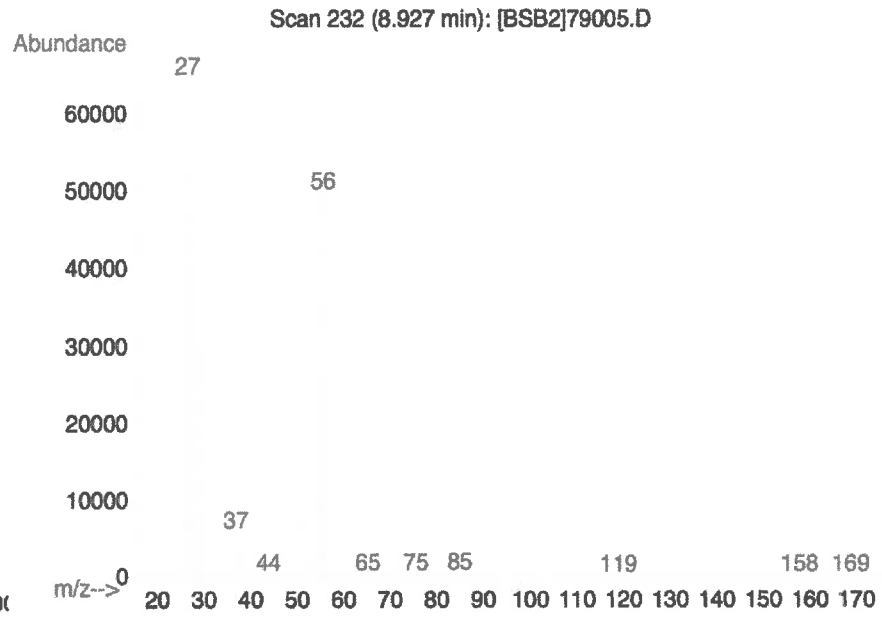
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

| | |
|---|---|
| 091525 | |
| Formulated By: Anthony Mahoney | DATE |
| 091525 | |
| 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. Acrolein | 5 | 103755V10F | 5000 | 97 | 0.5 | 0.05166 | 0.05176 | 5009.9 | 52.6 | 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 by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).**

**Rev 1.0, 2/25/2025**

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

**Chemtech Project Number:** 23141

**COC Number:**

### CLIENT INFORMATION

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Lane Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

### PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: VPB-184
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

### BILLING INFORMATION

BILL TO: SEE CONTRACT PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

### DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

### ANALYSIS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| VOC(SW846-8260B) | | | | | | | | | |
| 1,4 Dioxane (8270 SIM) | | | | | | | | | |

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | PRESERVATIVES A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | BP-VPB-184-TB-20250917 | QA | | X | 9/17/25 | 9:00 | 2 | 2 | | | | | | | | | | Trip Blank |
| 2. | BP-VPB-184-EB-20250918 | QA | | X | 9/18/25 | 10:30 | 3 | 2 | 1 | | | | | | | | | Equipment Blank |
| 3. | BP-VPB-184-GW-60-62 | AQ | | X | 9/17/25 | 10:11 | 3 | 2 | 1 | | | | | | | | | |
| 4. | BP-VPB-184-GW-100-102 | AQ | | X | 9/17/25 | 12:50 | 3 | 3 | | | | | | | | | | |
| 5. | BP-VPB-184-GW-150-152 | AQ | | X | 9/18/25 | 9:45 | 3 | 2 | 1 | | | | | | | | | |
| 6. | BP-VPB-184-GW-200-202 | AQ | | X | 9/18/25 | 12:25 | 3 | 3 | | | | | | | | | | |
| 7. | BP-VPB-184-GW-220-222 | AQ | | X | 9/18/25 | 14:30 | 3 | 2 | 1 | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| | | | |
|---|---|---|---|
| RELINQUISHED BY SAMPLER 1. | DATE/TIME 9/18/25 1530 | RECEIVED BY 1. | 1537 9-18-25 |
| RELINQUISHED BY 2. | DATE/TIME | RECEIVED BY 2. | |
| RELINQUISHED BY 3. | DATE/TIME 1405 9-18-25 | RECEIVED FOR LAB BY 3. | |

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.1 C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 5 Day TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

**WHITE** - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255425 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | TX-C25-00189 |
| | |
| Virginia | 460312 |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q3141 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 9/18/2025 3:41:00 PM
**Project Name :** NWIRP Bethpage 112G080
**Receive DateTime :** 9/18/2025 7:05:00 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Q3141-01 | BP-VPB-184-TB-20250917 | Water | 09/17/2025 | 09:00 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-02 | BP-VPB-184-EB-20250918 | Water | 09/18/2025 | 10:30 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-03 | BP-VPB-184-GW-60-62 | Water | 09/17/2025 | 10:11 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-04 | BP-VPB-184-GW-100-102 | Water | 09/17/2025 | 12:50 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-05 | BP-VPB-184-GW-150-152 | Water | 09/18/2025 | 09:45 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-06 | BP-VPB-184-GW-200-202 | Water | 09/18/2025 | 12:25 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |
| Q3141-07 | BP-VPB-184-GW-220-222 | Water | 09/18/2025 | 14:30 | | | | | | |
| | | | | | VOC-TCLVOA-10 | | 8260-Low | 5 Bus. Days | | |

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q3141 TETR06
**Client Name :** Tetra Tech NUS, Inc.
**Client Contact :** Ernie Wu
**Invoice Name :** Tetra Tech NUS, Inc.
**Invoice Contact :** Ernie Wu

**Order Date :** 9/18/2025 3:41:00 PM
**Project Name :** NWIRP Bethpage 112G080
**Receive DateTime :** 9/18/2025 7:05:00 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 |
|---|---|---|---|---|---|---|---|---|---|

**Relinguished By :** _____
**Date / Time :** 9/19/25 1230

**Received By :** _____
**Date / Time :** 09/19/25 12:27

**Storage Area :** VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 246348 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 451502 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 410953 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 201976 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 41500 | 10.583 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = | 21.160%# | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 31188 | 10.300 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 20.600%# | | | |
| 50) Toluene-d8 | 8.628 | 98 | 103865 | 9.913 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = | 19.820%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 47321 | 11.900 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = | 23.800%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 2201 | 0.863 | ug/l | | 96 |
| 3) Chloromethane | 1.300 | 50 | 3006 | 0.897 | ug/l | # | 82 |
| 4) Vinyl Chloride | 1.386 | 62 | 2818 | 0.859 | ug/l | | 95 |
| 5) Bromomethane | 1.624 | 94 | 2304 | 1.107 | ug/l | | 99 |
| 6) Chloroethane | 1.697 | 64 | 2134 | 0.973 | ug/l | | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 4261 | 0.874 | ug/l | | 88 |
| 8) Diethyl Ether | 2.130 | 74 | 1831 | 0.919 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 2555 | 0.897 | ug/l | | 93 |
| 10) Methyl Iodide | 2.459 | 142 | 3509 | 0.790 | ug/l | # | 86 |
| 11) Tert butyl alcohol | 2.934 | 59 | 1850 | 4.236 | ug/l | # | 72 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 2594 | 0.886 | ug/l | # | 80 |
| 13) Acrolein | 2.239 | 56 | 1440 | 3.578 | ug/l | # | 65 |
| 14) Allyl chloride | 2.666 | 41 | 5885 | 0.974 | ug/l | | 94 |
| 15) Acrylonitrile | 3.062 | 53 | 6500 | 4.018 | ug/l | | 97 |
| 16) Acetone | 2.380 | 43 | 8444 | 4.953 | ug/l | | 99 |
| 17) Carbon Disulfide | 2.520 | 76 | 7662 | 0.956 | ug/l | # | 91 |
| 18) Methyl Acetate | 2.703 | 43 | 3013 | 0.794 | ug/l | | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 9281 | 0.869 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.788 | 84 | 3540 | 0.981 | ug/l | | 93 |
| 21) trans-1,2-Dichloroethene | 3.099 | 96 | 2676 | 0.849 | ug/l | | 95 |
| 22) Diisopropyl ether | 3.751 | 45 | 9738 | 0.832 | ug/l | # | 87 |
| 23) Vinyl Acetate | 3.715 | 43 | 37962 | 4.052 | ug/l | | 97 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 5372 | 0.863 | ug/l | | 95 |
| 25) 2-Butanone | 4.550 | 43 | 9105 | 4.281 | ug/l | # | 83 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 4657 | 0.901 | ug/l | | 77 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 3440 | 0.891 | ug/l | | 96 |
| 28) Bromochloromethane | 4.879 | 49 | 2251 | 0.829 | ug/l | # | 93 |
| 29) Tetrahydrofuran | 4.995 | 42 | 5210 | 4.072 | ug/l | | 98 |
| 30) Chloroform | 5.074 | 83 | 5093 | 0.810 | ug/l | | 86 |
| 31) Cyclohexane | 5.458 | 56 | 4668 | 0.901 | ug/l | | 90 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 4439 | 0.832 | ug/l | # | 47 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 4373 | 0.988 | ug/l | # | 69 |
| 37) Ethyl Acetate | 4.702 | 43 | 3873 | 0.818 | ug/l | # | 91 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 4349 | 0.905 | ug/l | | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 4428 | 0.882 | ug/l | | 94 |
| 40) Benzene | 6.025 | 78 | 12012 | 0.894 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.903 | 41 | 2128 | 0.870 | ug/l | # | 63 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 4634 | 0.906 | ug/l | | 80 |
| 43) Isopropyl Acetate | 6.318 | 43 | 6784 | 0.873 | ug/l | | 94 |
| 44) Trichloroethene | 7.110 | 130 | 2677 | 0.824 | ug/l | | 78 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 2945 | 0.856 | ug/l | | 100 |
| 46) Dibromomethane | 7.574 | 93 | 2240 | 0.895 | ug/l | | 94 |
| 47) Bromodichloromethane | 7.805 | 83 | 4167 | 0.806 | ug/l | # | 92 |
| 48) Methyl methacrylate | 7.683 | 41 | 3355 | 0.867 | ug/l | # | 87 |
| 49) 1,4-Dioxane | 7.653 | 88 | 404 | 10.329 | ug/l | # | 52 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 17596 | 4.085 | ug/l | | 95 |
| 52) Toluene | 8.708 | 92 | 7595 | 0.917 | ug/l | | 92 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 4398 | 0.834 | ug/l | # | 82 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 4635 | 0.823 | ug/l | # | 76 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 2918 | 0.914 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.104 | 69 | 3679 | 0.734 | ug/l | # | 84 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 4580 | 0.835 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 4222 | 9.665 | ug/l | | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 12385 | 4.003 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 2903 | 0.789 | ug/l | | 87 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 2596 | 0.798 | ug/l | | 96 |
| 64) Tetrachloroethene | 9.256 | 164 | 2457 | 0.917 | ug/l | | 83 |
| 65) Chlorobenzene | 10.061 | 112 | 8202 | 0.879 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131 | 2684 | 0.833 | ug/l | # | 66 |
| 67) Ethyl Benzene | 10.177 | 91 | 13360 | 0.829 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 9922 | 1.655 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 4734 | 0.816 | ug/l | | 94 |
| 70) Styrene | 10.640 | 104 | 8377 | 0.824 | ug/l | | 96 |
| 71) Bromoform | 10.787 | 173 | 1816 | 0.755 | ug/l | # | 94 |
| 73) Isopropylbenzene | 10.945 | 105 | 12618 | 0.822 | ug/l | | 96 |
| 74) N-amyl acetate | 10.829 | 43 | 5159 | 0.737 | ug/l | | 98 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 3900 | 0.839 | ug/l | | 96 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 4568 | 1.117 | ug/l | | 80 |
| 77) Bromobenzene | 11.183 | 156 | 3069 | 0.811 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 14866 | 0.819 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 9195 | 0.827 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 9929 | 0.787 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.006 | 75 | 960 | 0.599 | ug/l | # | 95 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 11123 | 0.847 | ug/l | | 95 |
| 83) tert-Butylbenzene | 11.695 | 119 | 11311 | 0.876 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 11.731 | 105 | 10187 | 0.796 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 12561 | 0.819 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 10744 | 0.827 | ug/l | | 92 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 5907 | 0.841 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 11.951 | 146 | 5907 | 0.819 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 9811 | 0.816 | ug/l | | 97 |
| 90) Hexachloroethane | 12.524 | 117 | 1752 | 0.768 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 5491 | 0.820 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 698 | 0.742 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 3358 | 0.772 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 1378 | 0.933 | ug/l | | 93 |
| 95) Naphthalene | 13.756 | 128 | 10112 | 0.763 | ug/l | | 98 |
| 96) 1,2,3-Trichlorobenzene | 13.944 | 180 | 3043 | 0.752 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

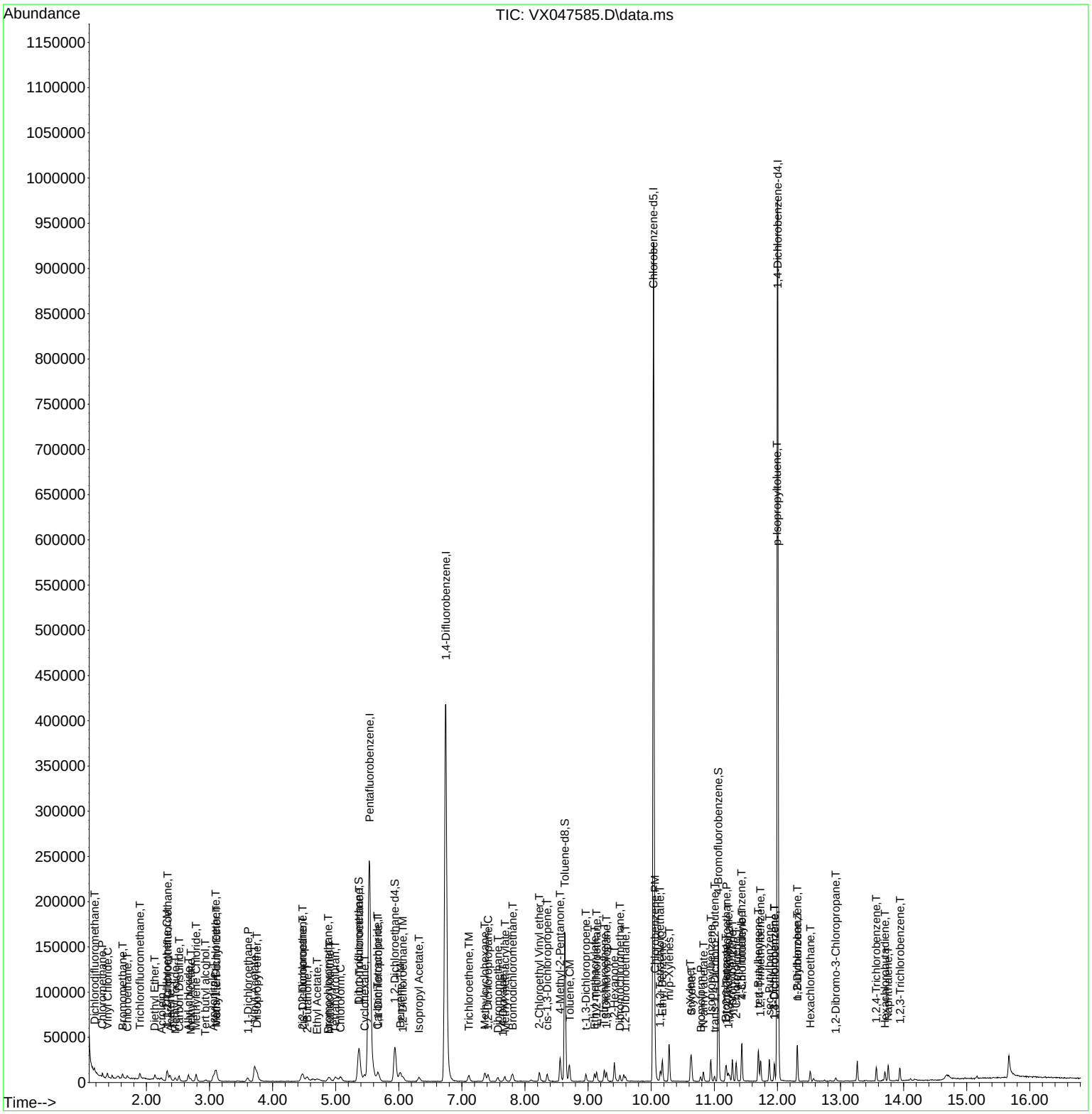
(#) = qualifier out of range (m) = manual integration (+) = signals summed

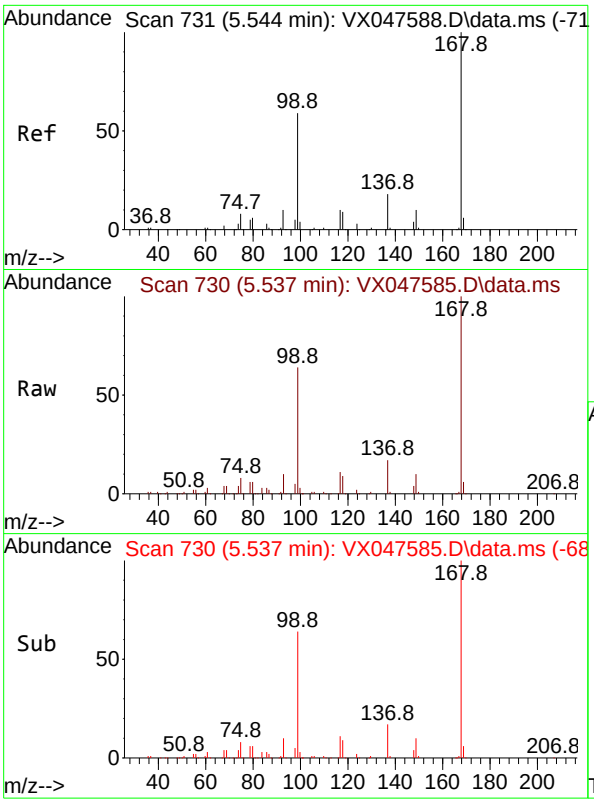
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047585.D
Acq On : 16 Sep 2025 09:23
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 22 01:44:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



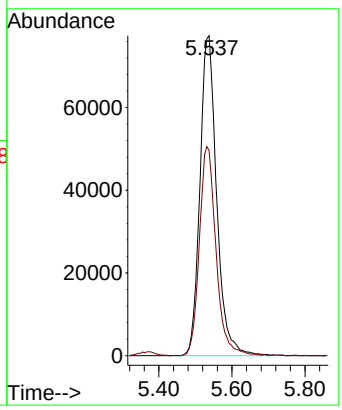


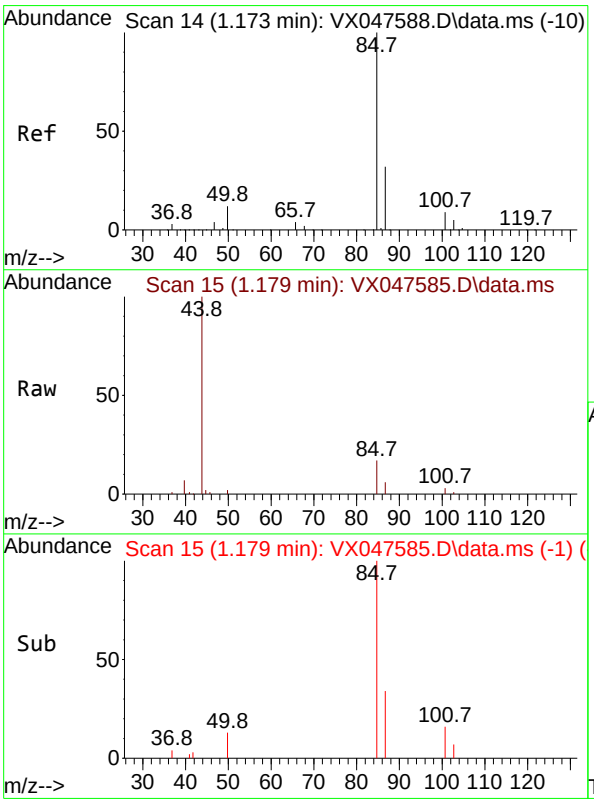

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:168 Resp: 246348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 64.0 | 48.8 | 73.2 |

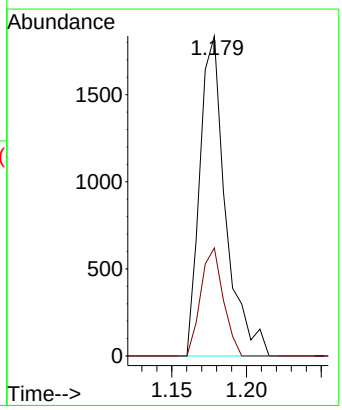


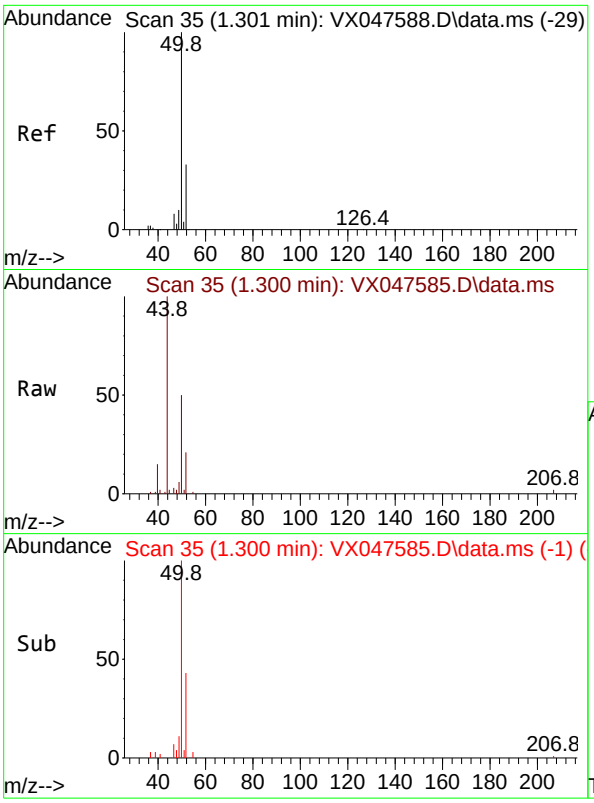




#2
Dichlorodifluoromethane
Concen: 0.863 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 85 Resp: 2201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 33.8 | 15.8 | 47.3 |



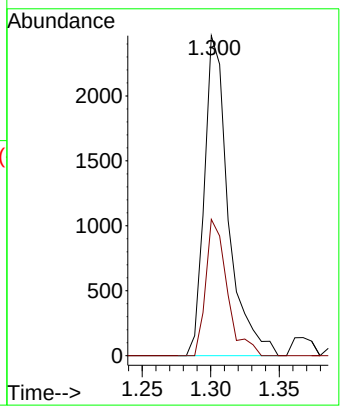


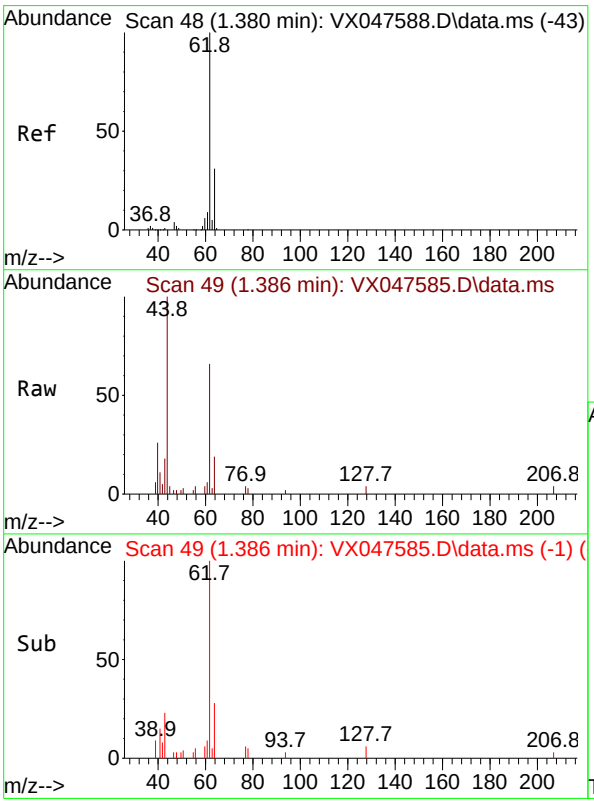

#3
Chloromethane
Concen: 0.897 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 50 Resp: 3006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 42.6 | 26.1 | 39.1# |

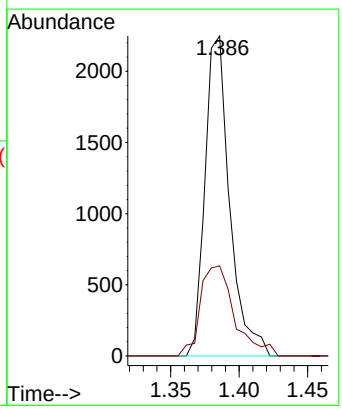


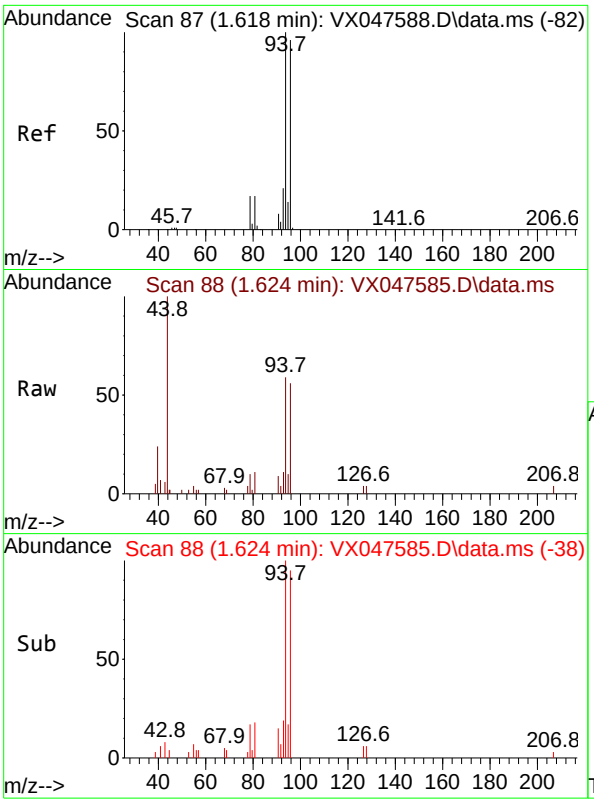




#4
Vinyl Chloride
Concen: 0.859 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 2818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 28.2 | 24.9 | 37.3 |



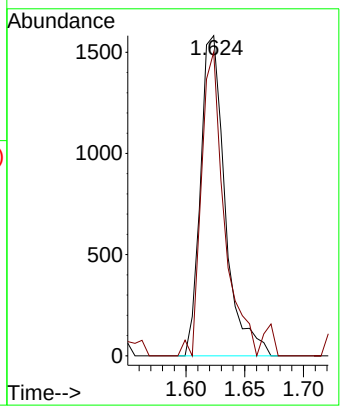


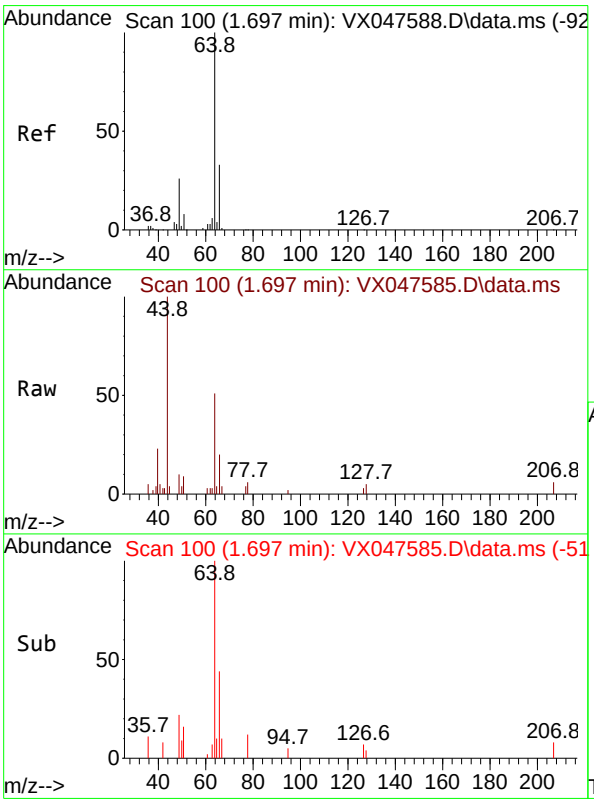

#5
Bromomethane
Concen: 1.107 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 94 Resp: 2304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.9 | 76.6 | 115.0 |

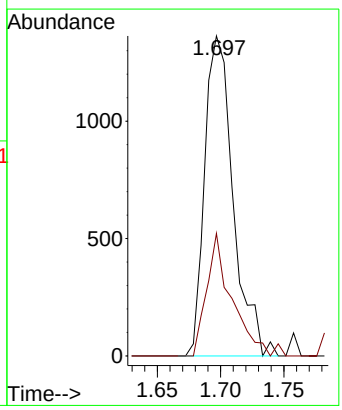


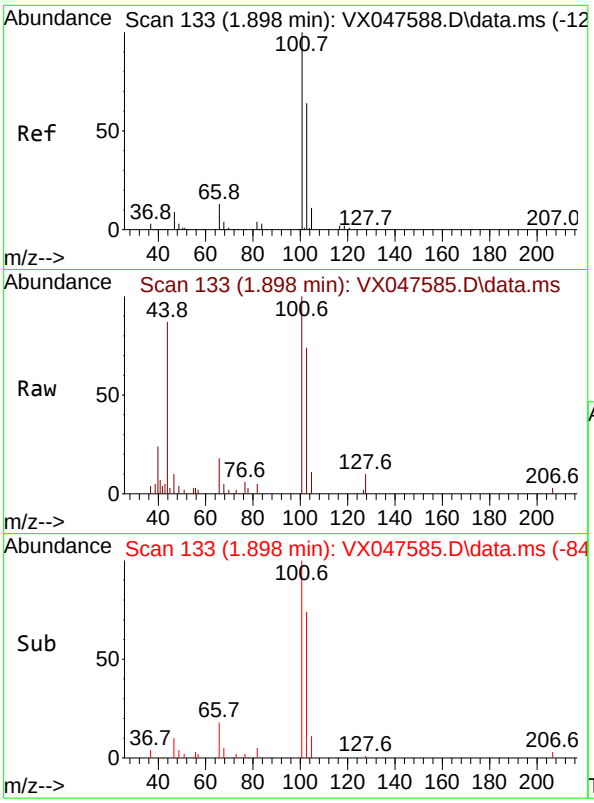




#6
Chloroethane
Concen: 0.973 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 64 Resp: 2134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.4 | 26.1 | 39.1 |



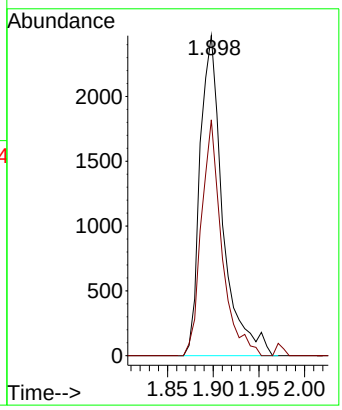


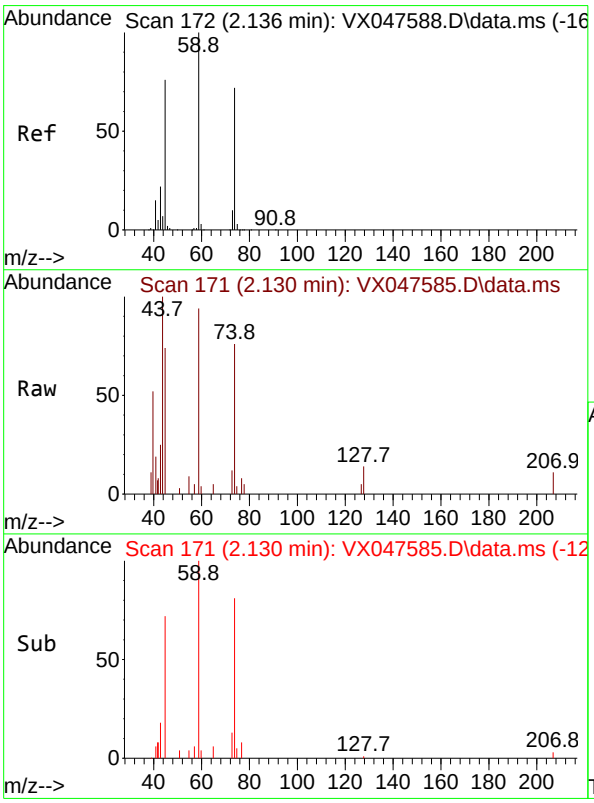

#7
Trichlorofluoromethane
Concen: 0.874 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:101 Resp: 4261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 73.7 | 51.4 | 77.2 |

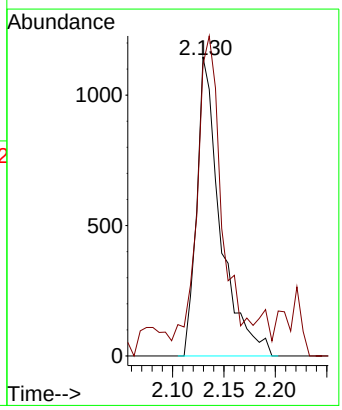


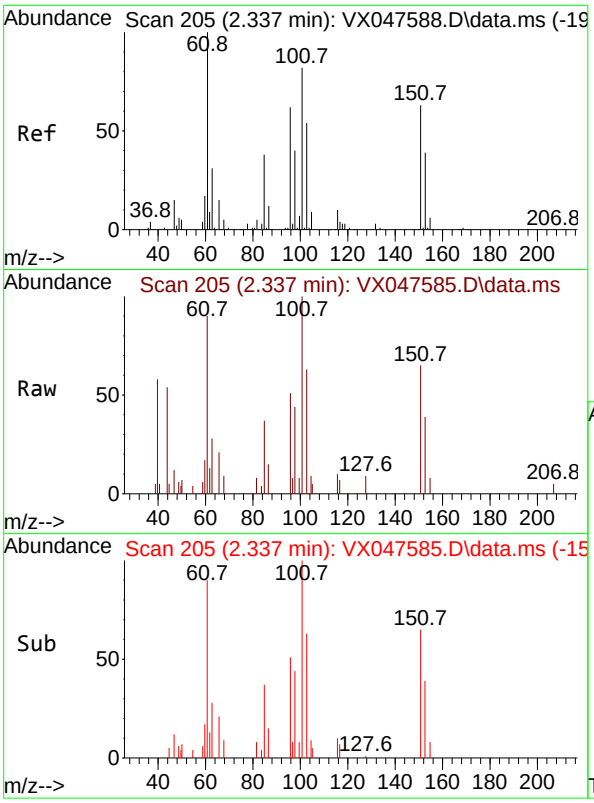




#8
Diethyl Ether
Concen: 0.919 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 74 Resp: 1831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.2 | 52.3 | 156.8 |



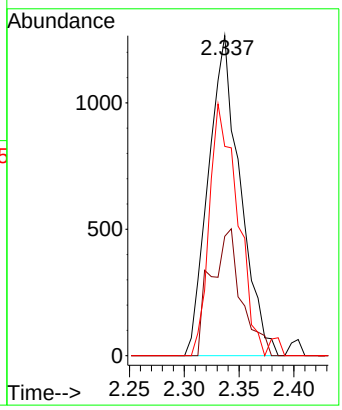


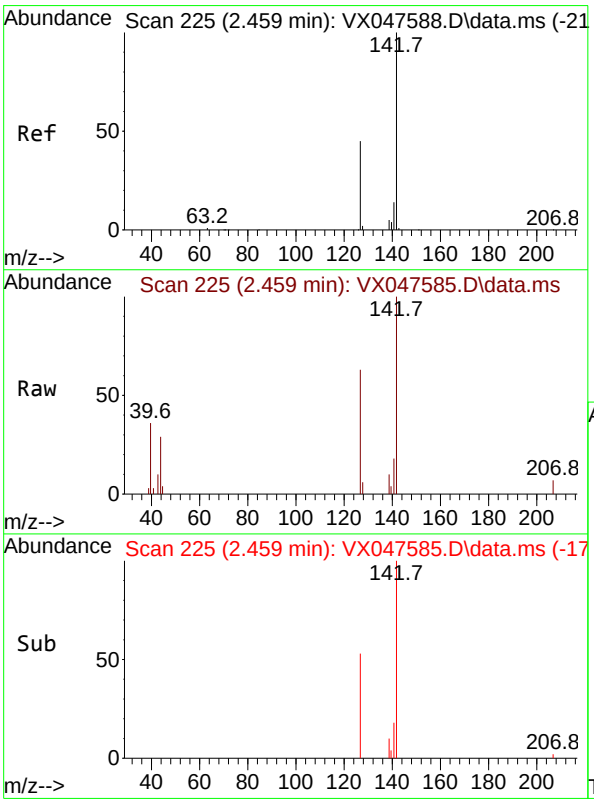

#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.897 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:101 Resp: 2555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 37.8 | 35.5 | 53.3 |
| 151 | 69.9 | 59.4 | 89.0 |

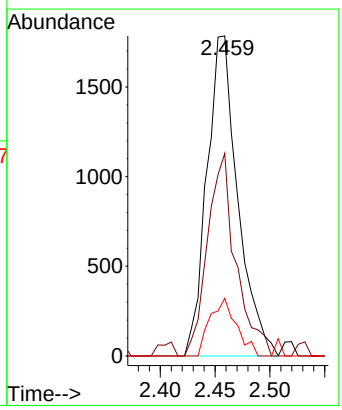


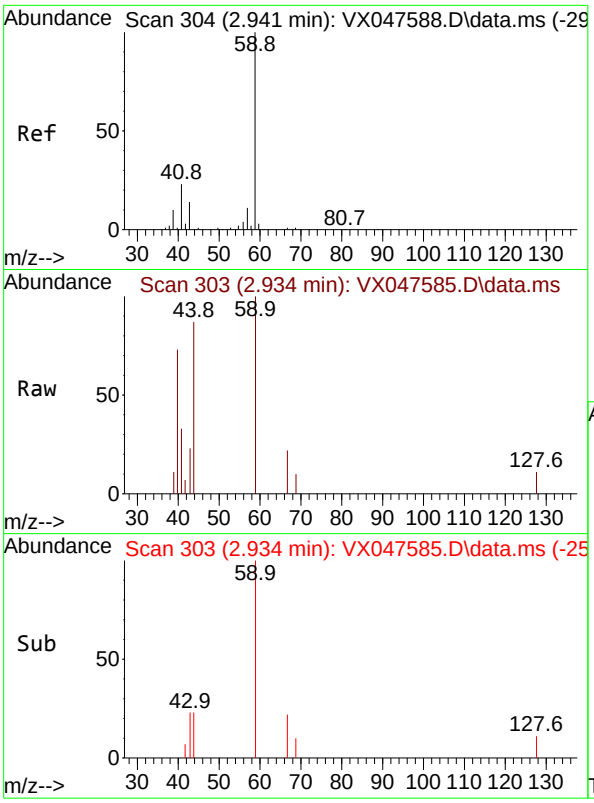




#10
Methyl Iodide
Concen: 0.790 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:142 Resp: 3509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 57.7 | 37.2 | 55.8# |
| 141 | 15.3 | 11.4 | 17.0 |



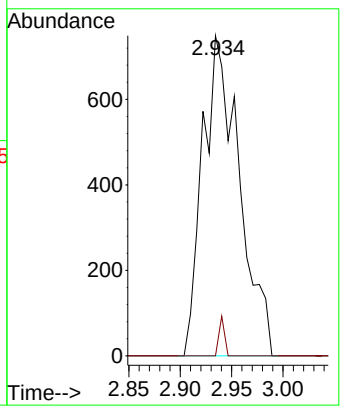


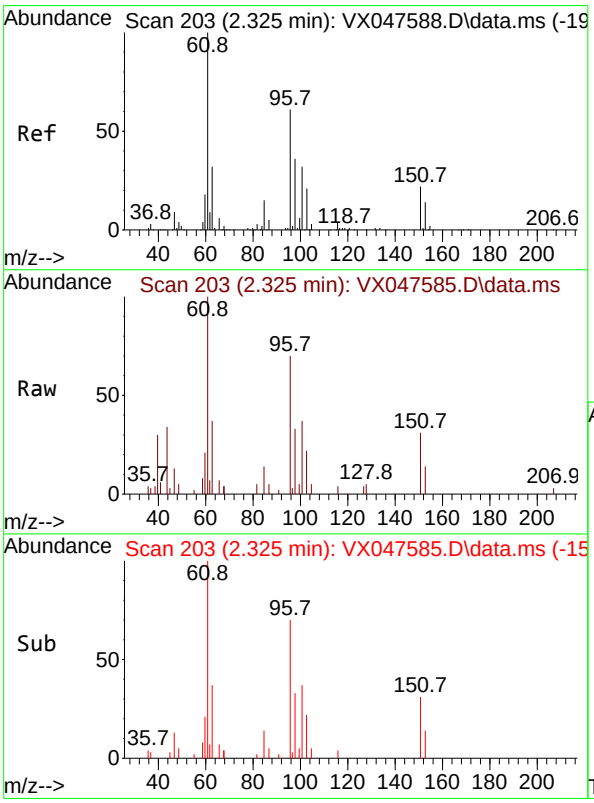

#11
Tert butyl alcohol
Concen: 4.236 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 59 Resp: 1850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 0.0 | 8.3 | 12.5# |

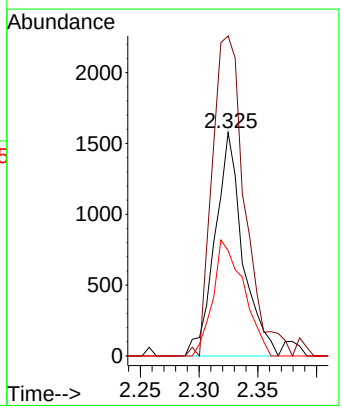


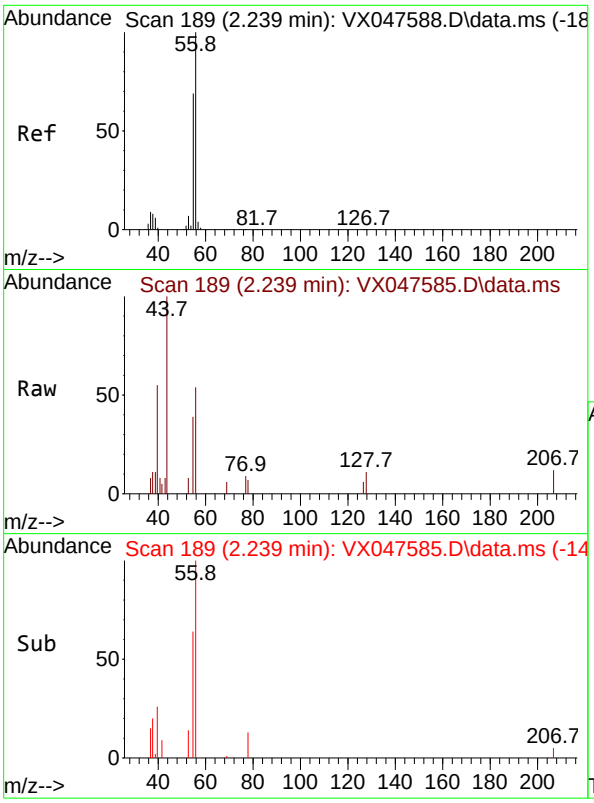




#12
1,1-Dichloroethene
Concen: 0.886 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 96 Resp: 2594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.3 | 131.0 | 196.6 |
| 98 | 45.2 | 47.7 | 71.5# |



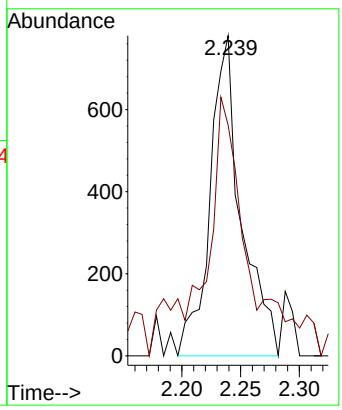


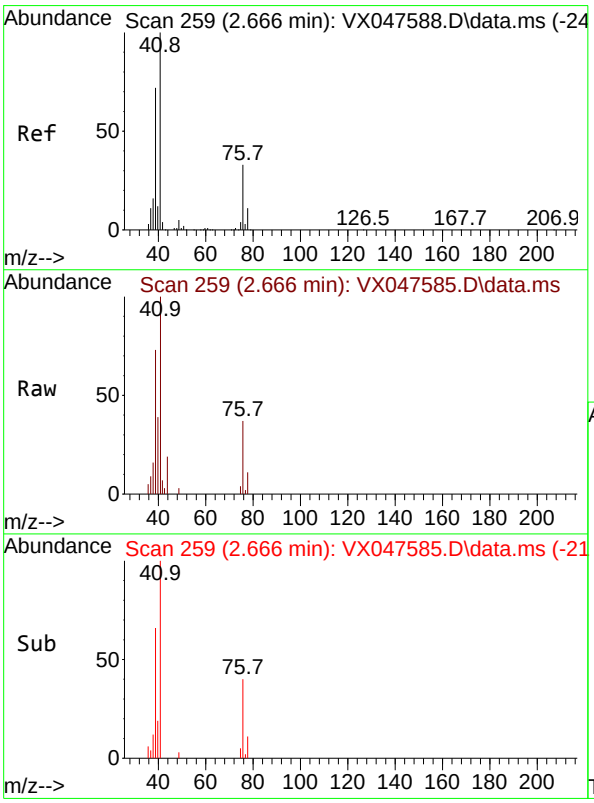

#13
Acrolein
Concen: 3.578 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 56 Resp: 1440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 100.3 | 57.2 | 85.8# |

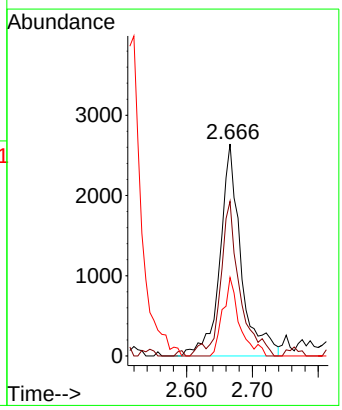


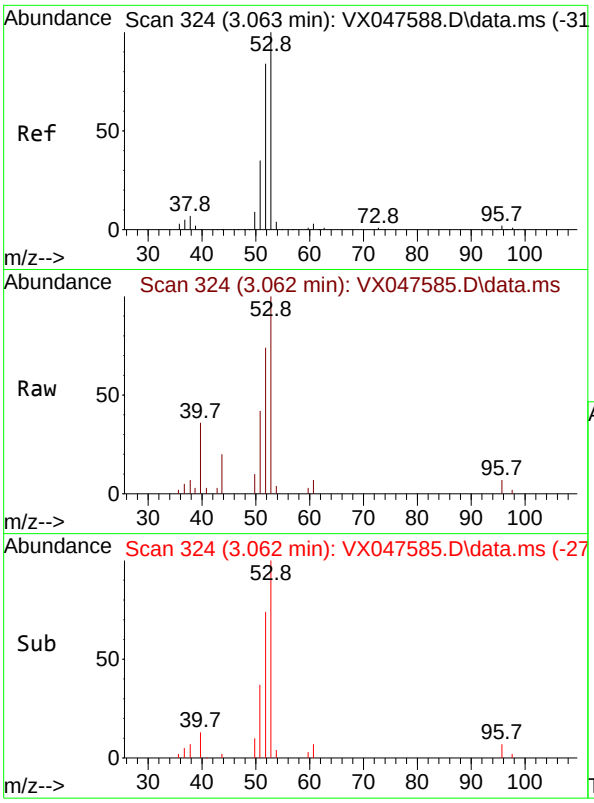




#14
Allyl chloride
Concen: 0.974 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 5885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 63.3 | 54.7 | 82.1 |
| 76 | 29.3 | 25.7 | 38.5 |



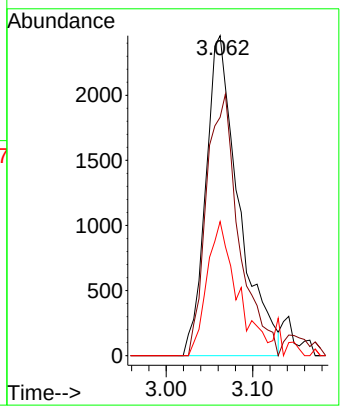


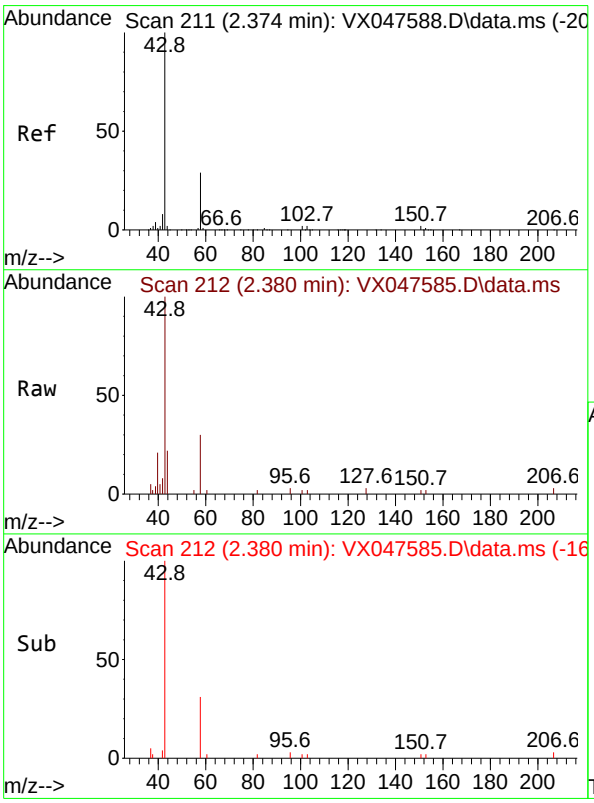

#15
Acrylonitrile
Concen: 4.018 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 53 Resp: 6500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 80.3 | 66.4 | 99.6 |
| 51 | 38.7 | 29.5 | 44.3 |

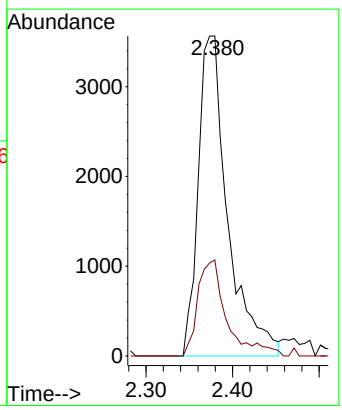


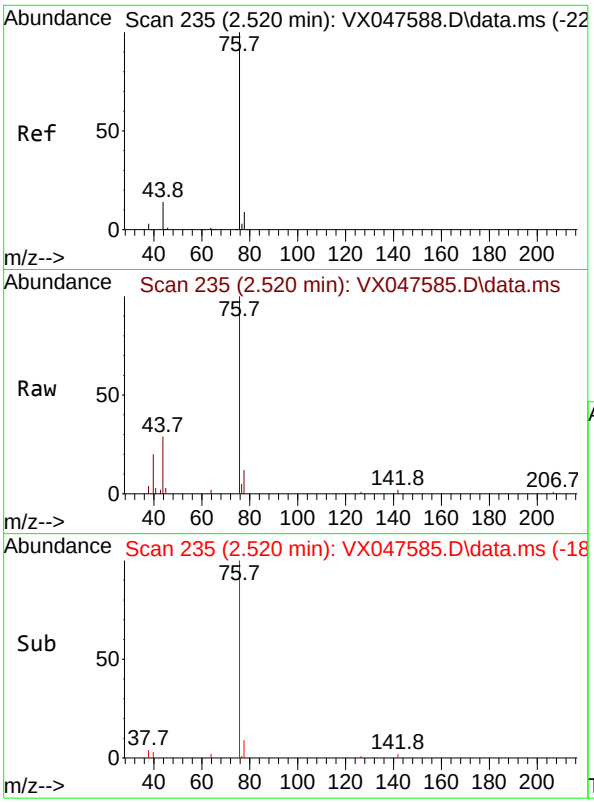




#16
Acetone
Concen: 4.953 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 8444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.0 |



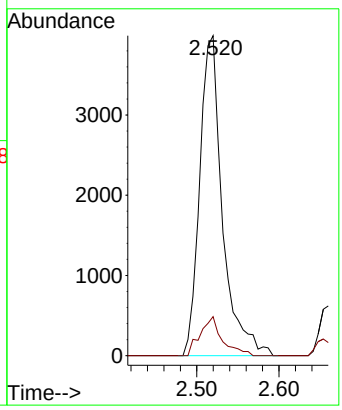


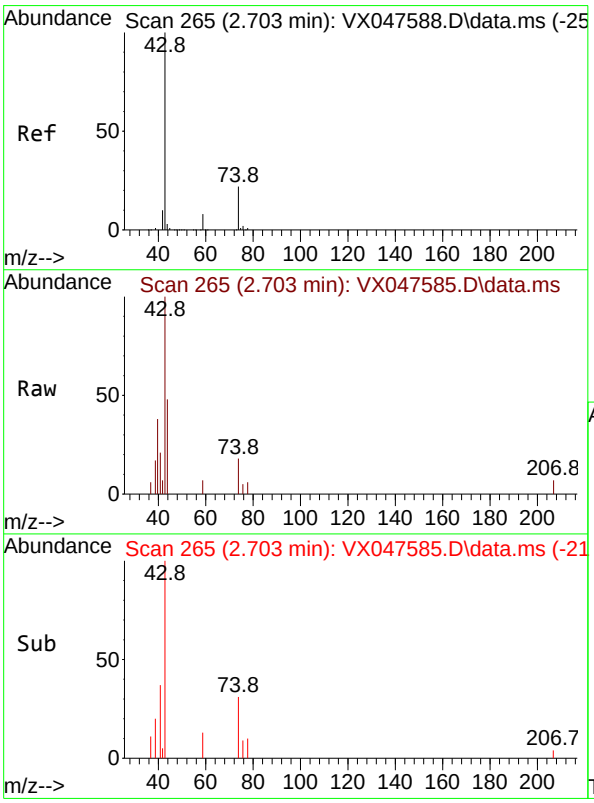

#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 76 Resp: 7662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 11.6 | 6.8 | 10.2# |

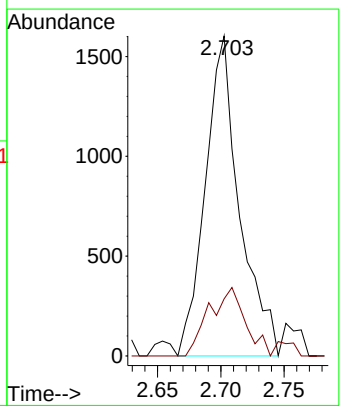


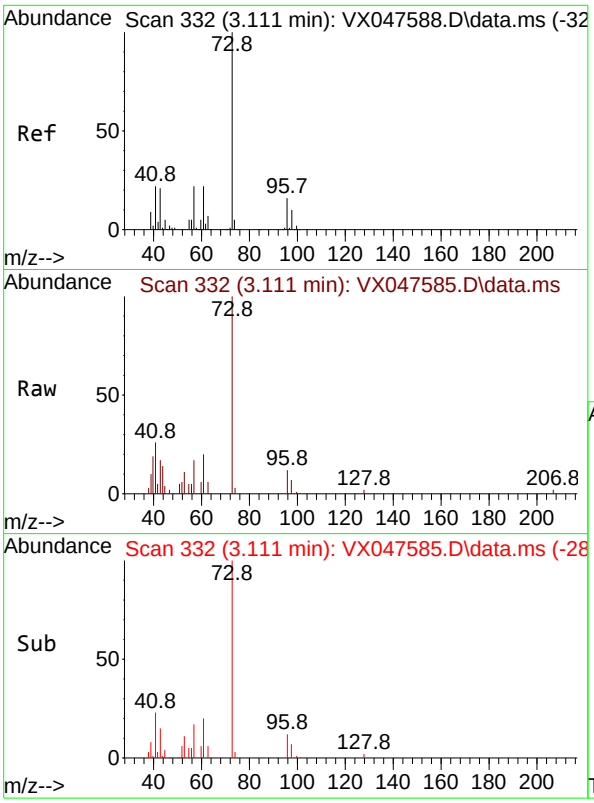




#18
Methyl Acetate
Concen: 0.794 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 3013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |



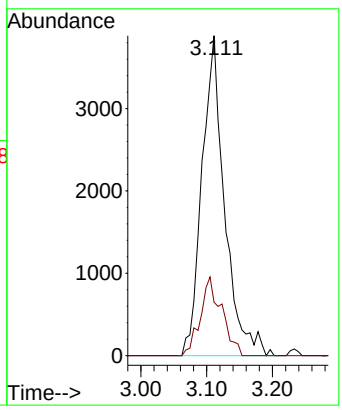


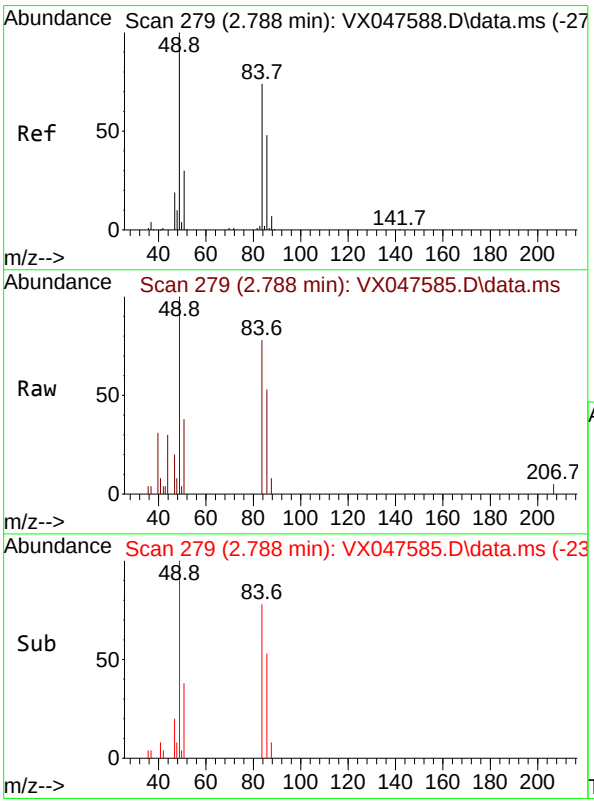

#19
Methyl tert-butyl Ether
Concen: 0.869 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 73 Resp: 9281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 16.7 | 17.4 | 26.2# |

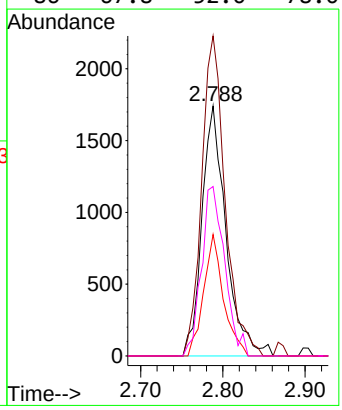


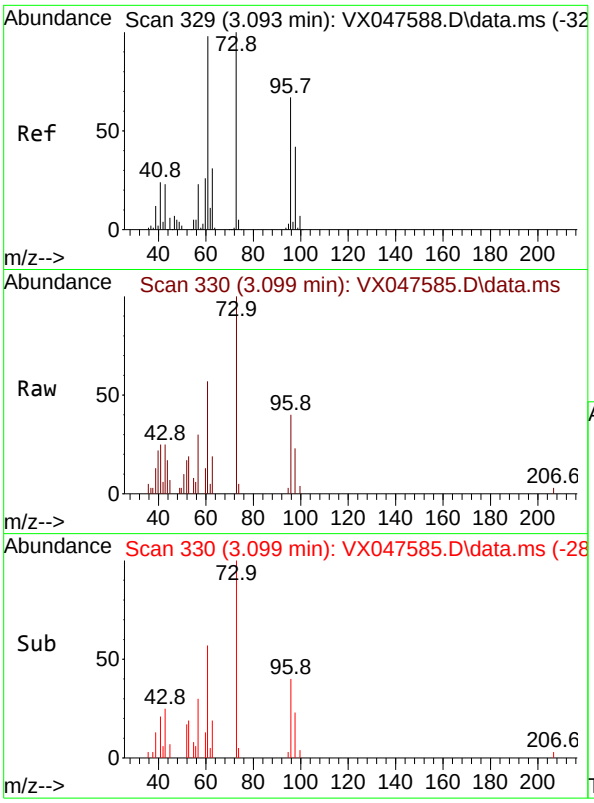




#20
Methylene Chloride
Concen: 0.981 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 84 Resp: 3540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 128.0 | 108.6 | 162.8 |
| 51 | 48.6 | 32.6 | 48.8 |
| 86 | 67.8 | 52.0 | 78.0 |



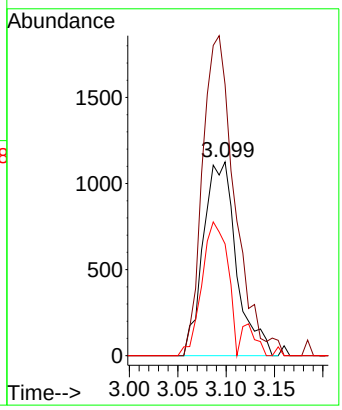


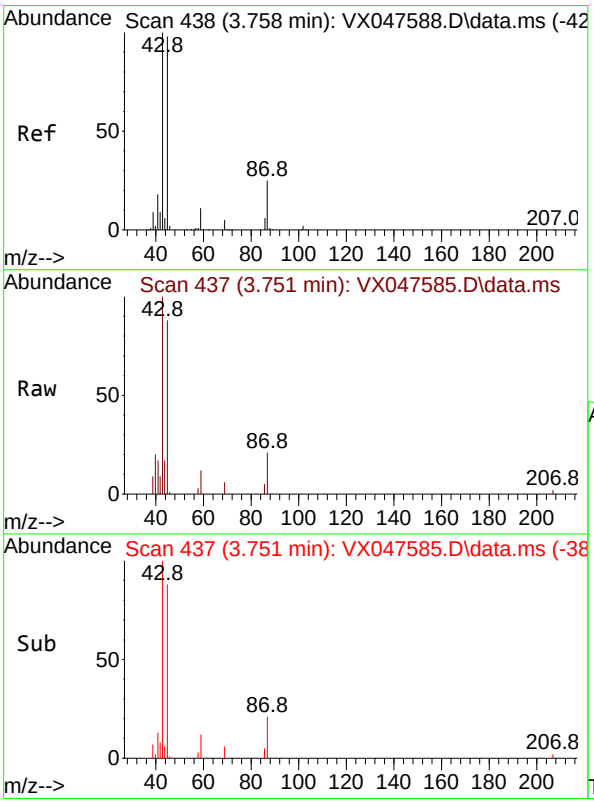

#21
trans-1,2-Dichloroethene
Concen: 0.849 ug/l
RT: 3.099 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 96 Resp: 2676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 139.9 | 116.2 | 174.2 |
| 98 | 57.6 | 49.3 | 73.9 |

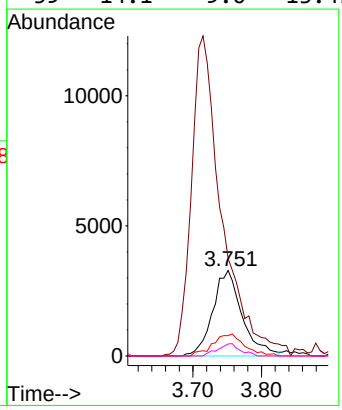


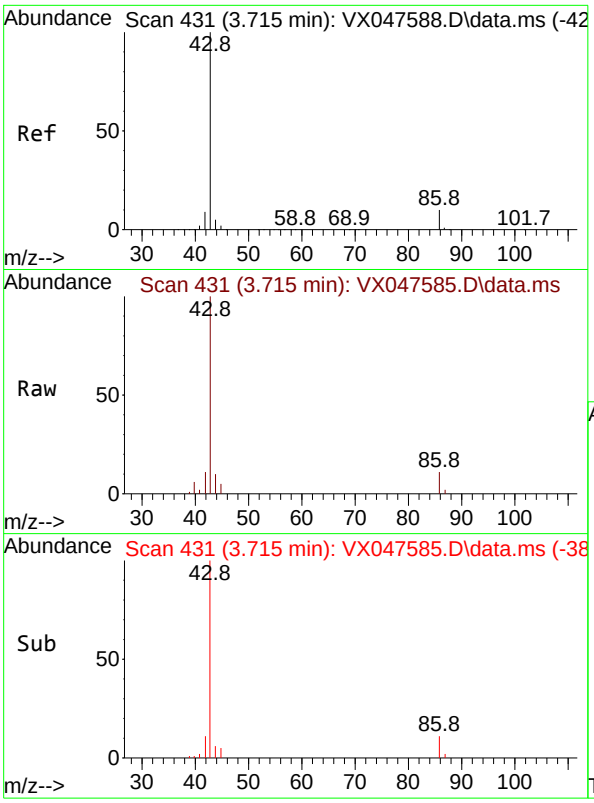




#22
Diisopropyl ether
Concen: 0.832 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 45 Resp: 9738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.9 | 81.0 | 121.4 |
| 87 | 23.7 | 20.3 | 30.5 |
| 59 | 14.1 | 9.0 | 13.4# |



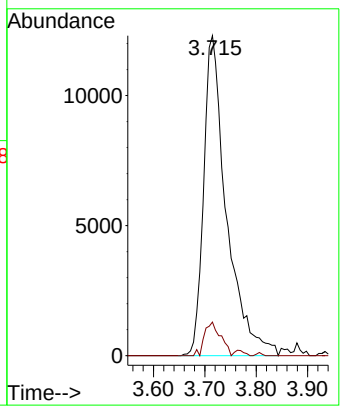


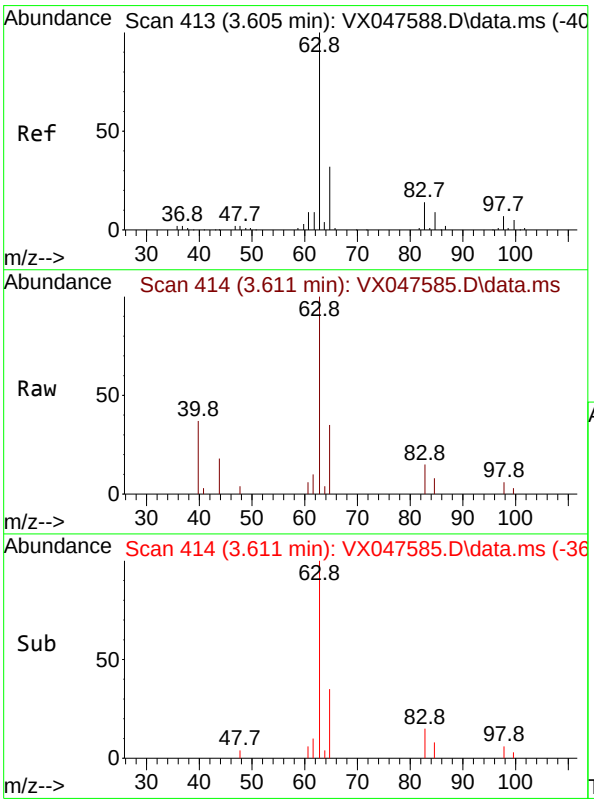

#23
Vinyl Acetate
Concen: 4.052 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 37962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.9 | 7.8 | 11.8 |

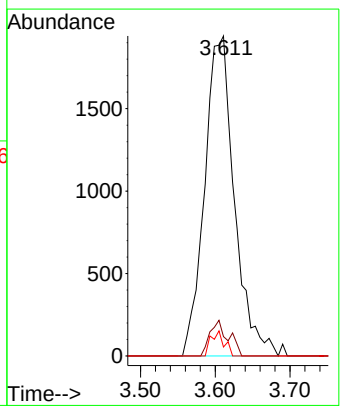


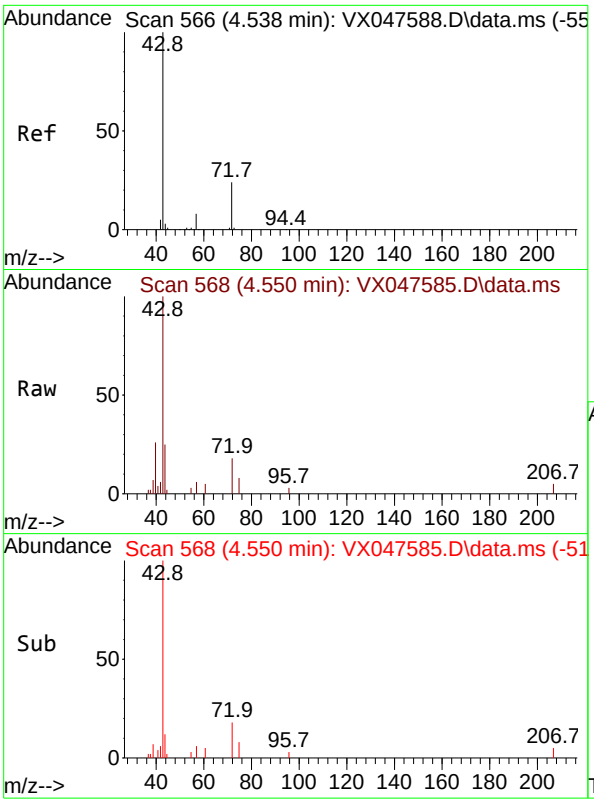




#24
1,1-Dichloroethane
Concen: 0.863 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 5372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.1 | 3.8 | 11.2 |
| 100 | 2.8 | 2.3 | 6.9 |



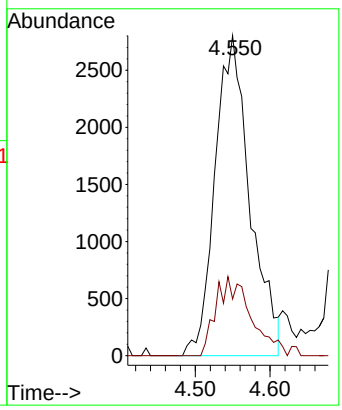


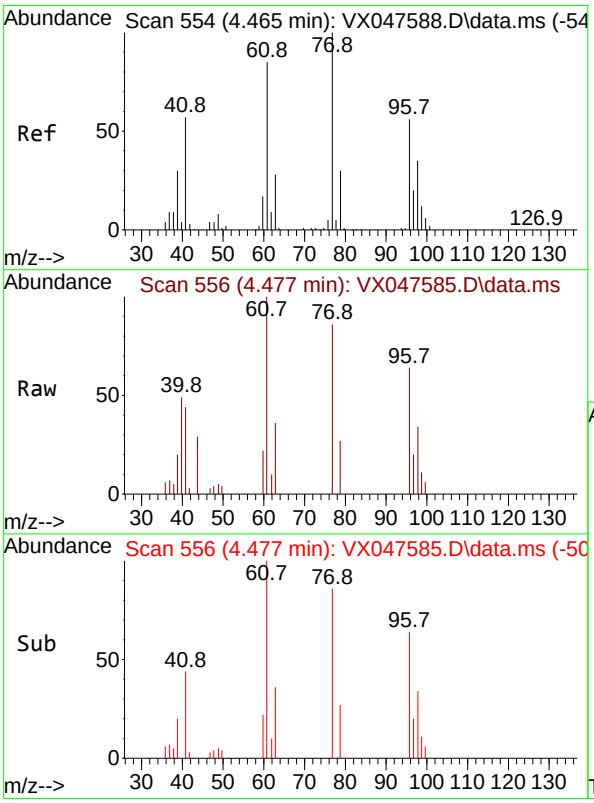

#25
2-Butanone
Concen: 4.281 ug/l
RT: 4.550 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 9105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 16.3 | 20.1 | 30.1# |

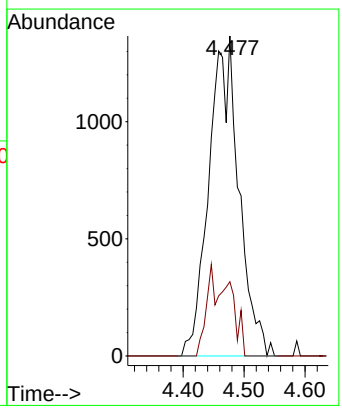


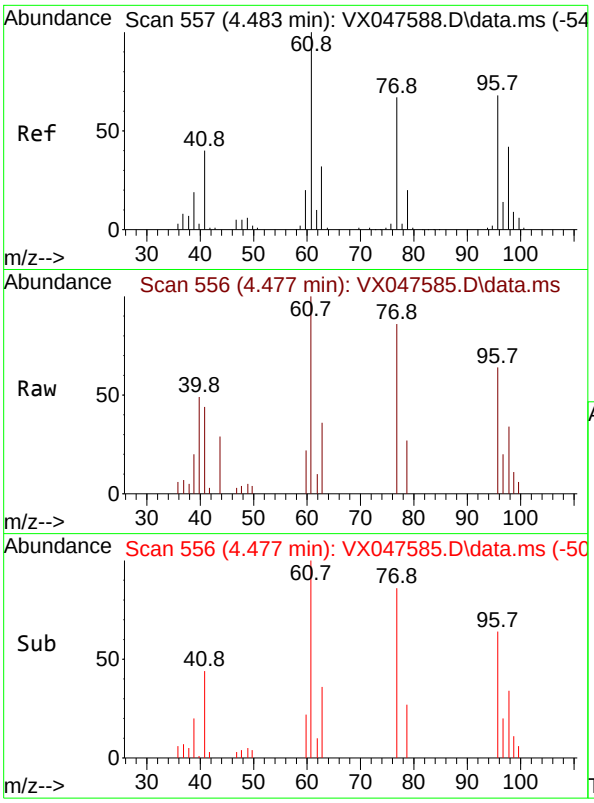




#26
2,2-Dichloropropane
Concen: 0.901 ug/l
RT: 4.477 min Scan# 556
Delta R.T. 0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 77 Resp: 4657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 11.0 | 10.9 | 32.7 |



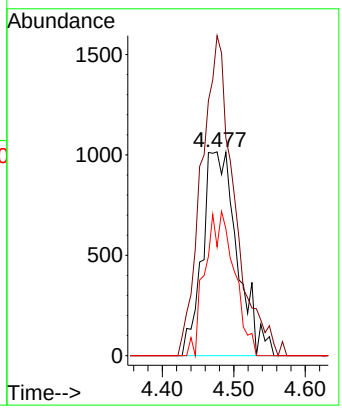


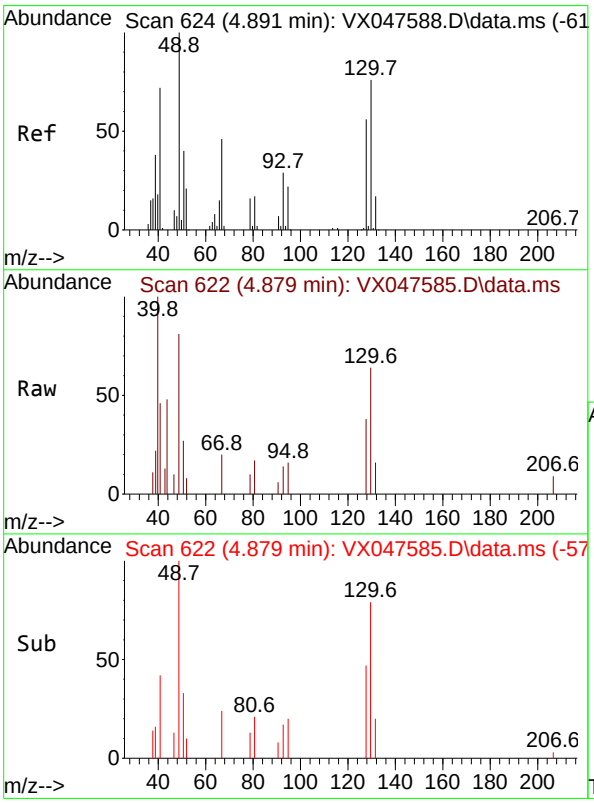

#27
cis-1,2-Dichloroethene
Concen: 0.891 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 96 Resp: 3440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 147.4 | 0.0 | 303.2 |
| 98 | 59.4 | 0.0 | 127.8 |

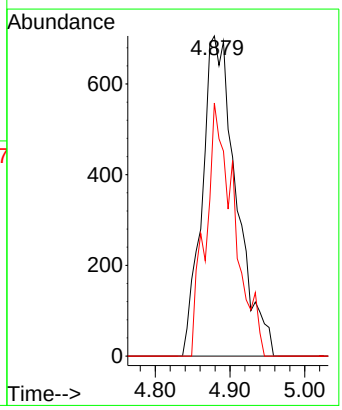


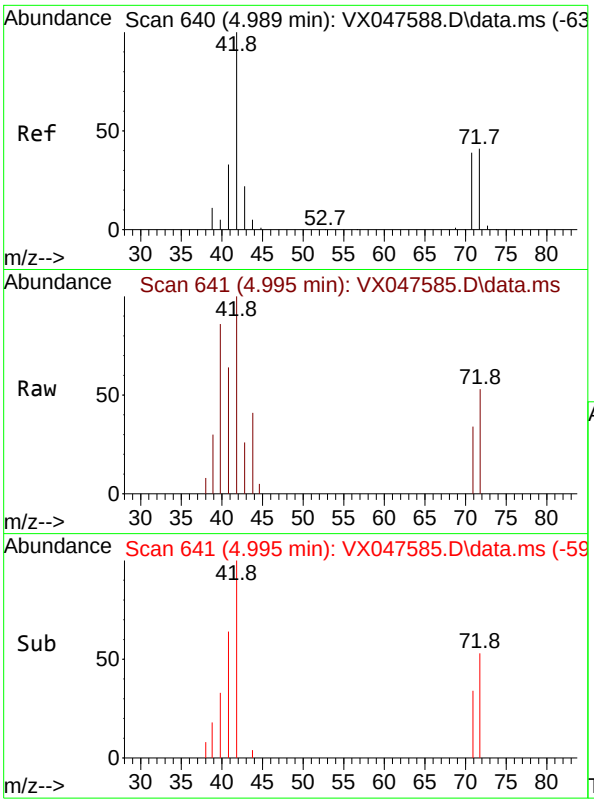




#28
Bromochloromethane
Concen: 0.829 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 49 Resp: 2251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.0 | 0.0 | 3.2 |
| 130 | 66.2 | 57.8 | 86.8 |



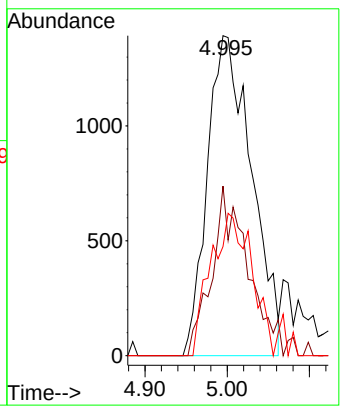


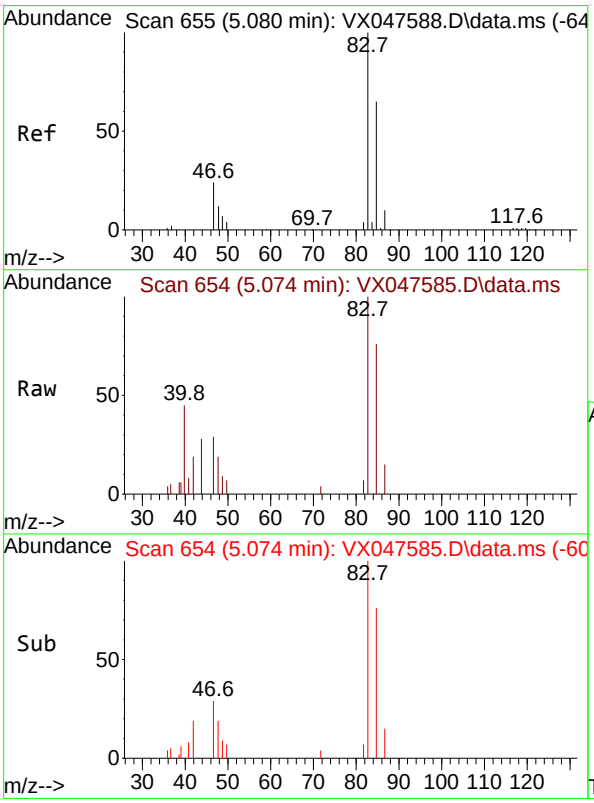

#29
Tetrahydrofuran
Concen: 4.072 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 42 Resp: 5210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.1 | 34.2 | 51.2 |
| 71 | 41.3 | 31.9 | 47.9 |

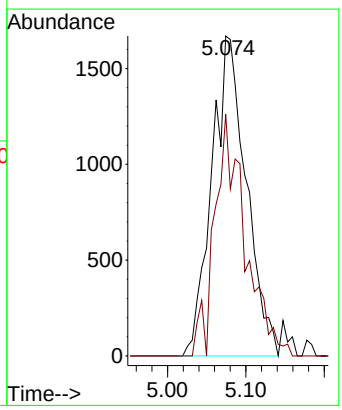


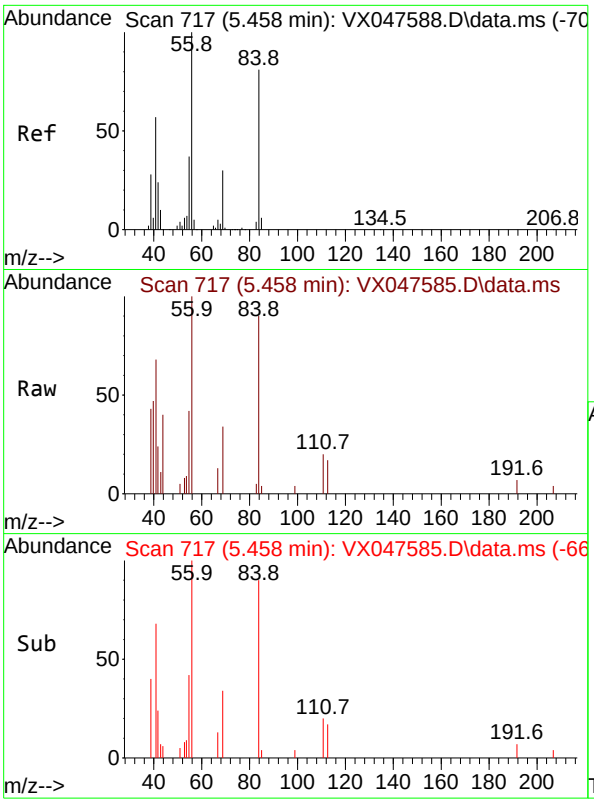




#30
Chloroform
Concen: 0.810 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 83 Resp: 5093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 75.6 | 51.8 | 77.6 |



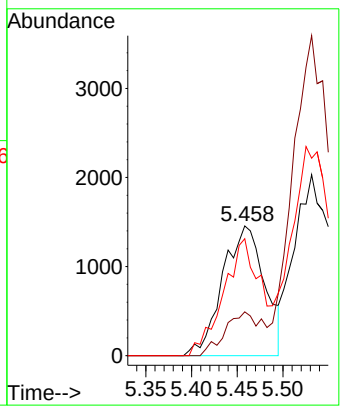


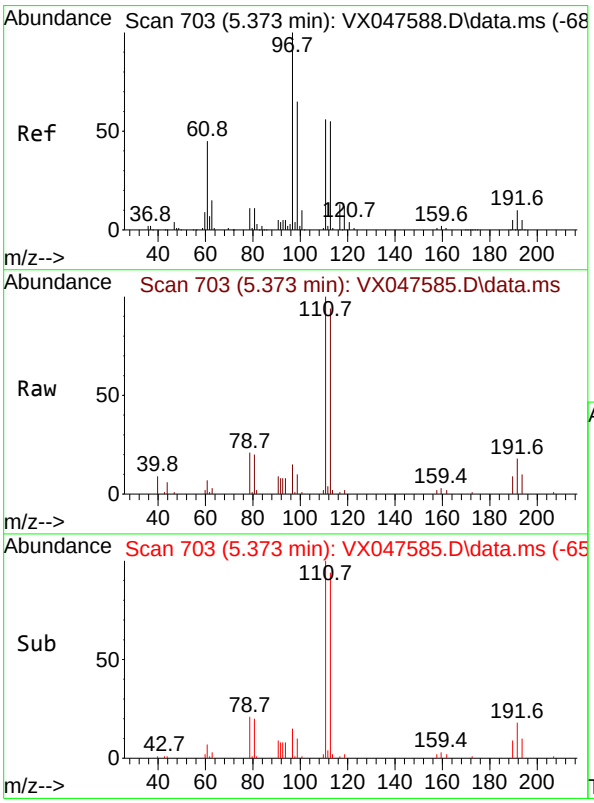

#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 56 Resp: 4668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 33.8 | 23.8 | 35.8 |
| 84 | 90.0 | 64.6 | 97.0 |

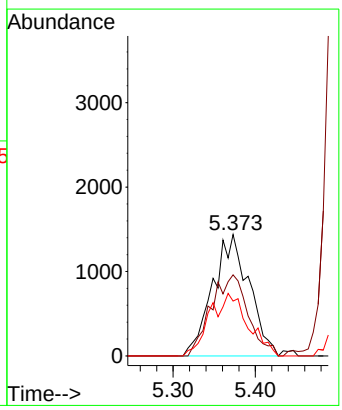


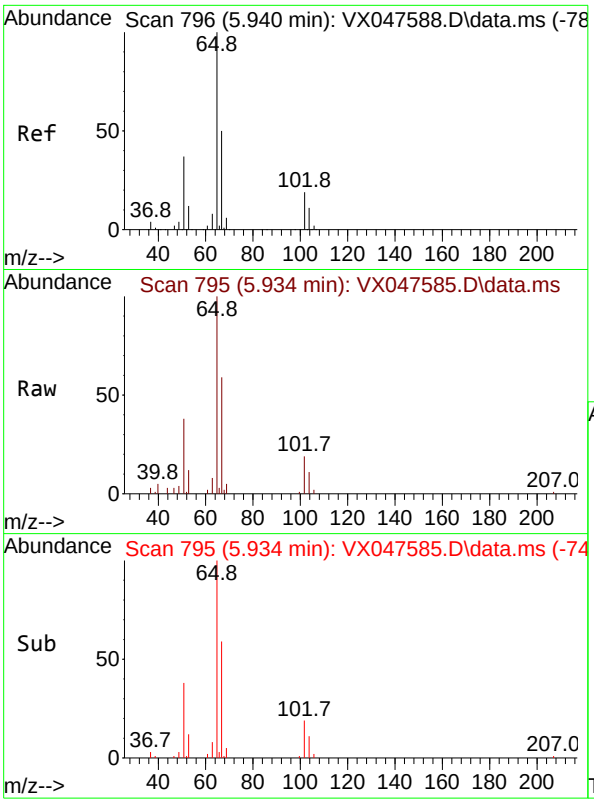




#32
1,1,1-Trichloroethane
Concen: 0.832 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 97 Resp: 4439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 0.0 | 50.6 | 76.0# |
| 61 | 36.2 | 35.8 | 53.8 |



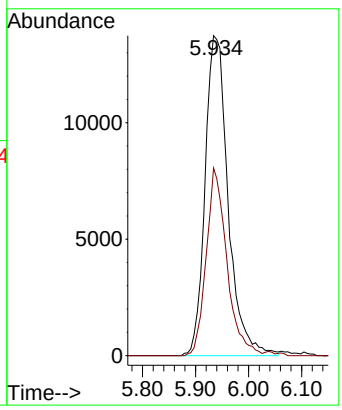


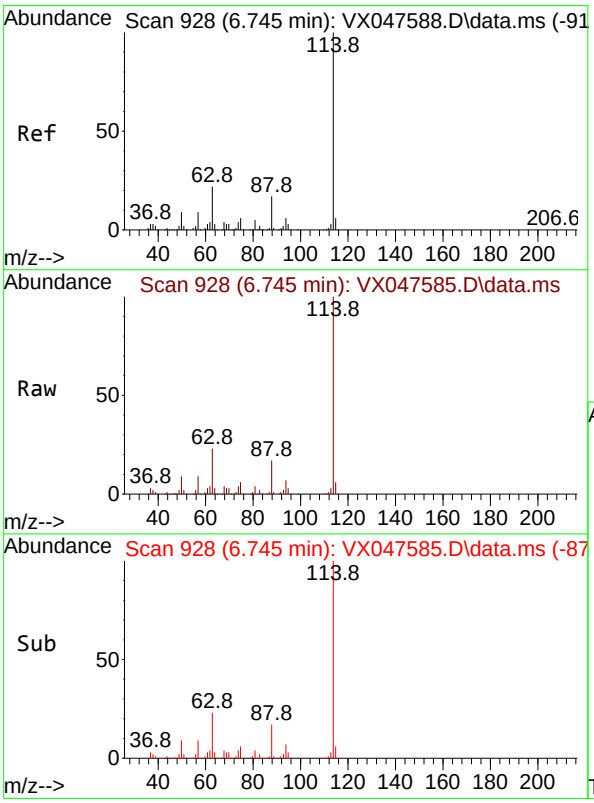

#33
1,2-Dichloroethane-d4
Concen: 10.583 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 65 Resp: 41500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 103.0 |

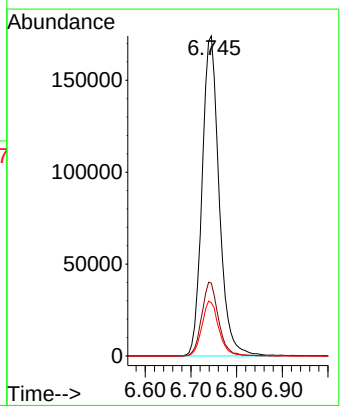


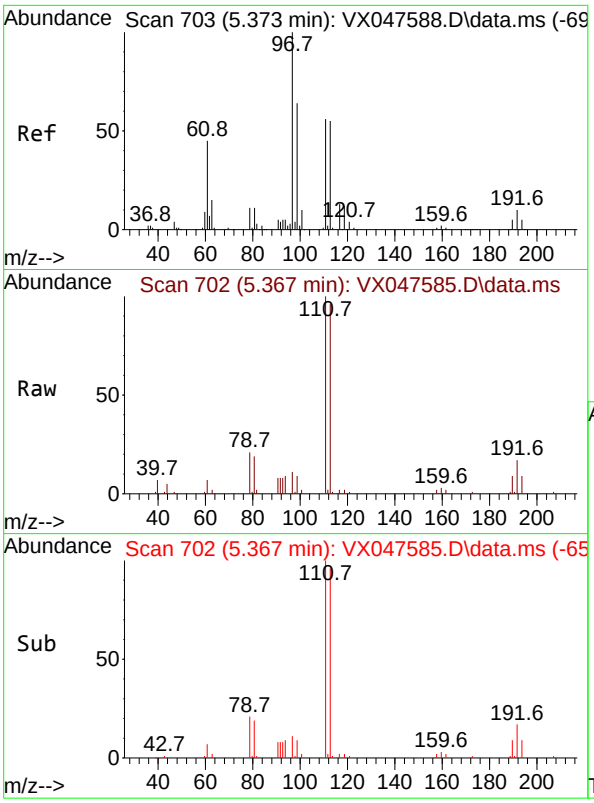




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:114 Resp: 451502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.8 | 0.0 | 44.0 |
| 88 | 16.6 | 0.0 | 34.2 |



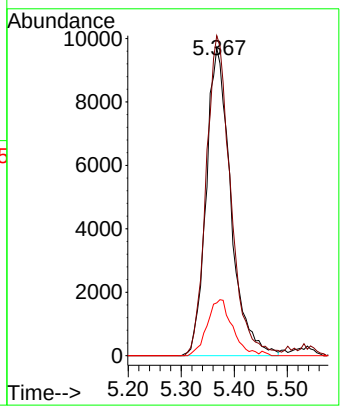


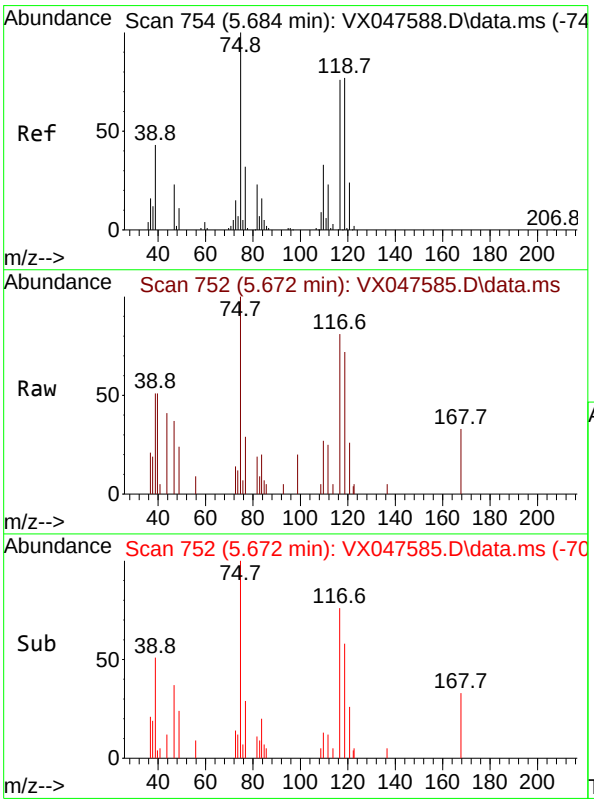

#35
Dibromofluoromethane
Concen: 10.300 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:113 Resp: 31188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 80.9 | 121.3 |
| 192 | 18.6 | 14.2 | 21.4 |

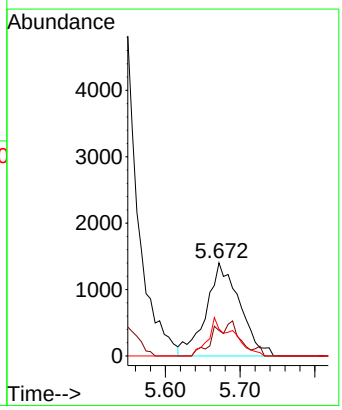


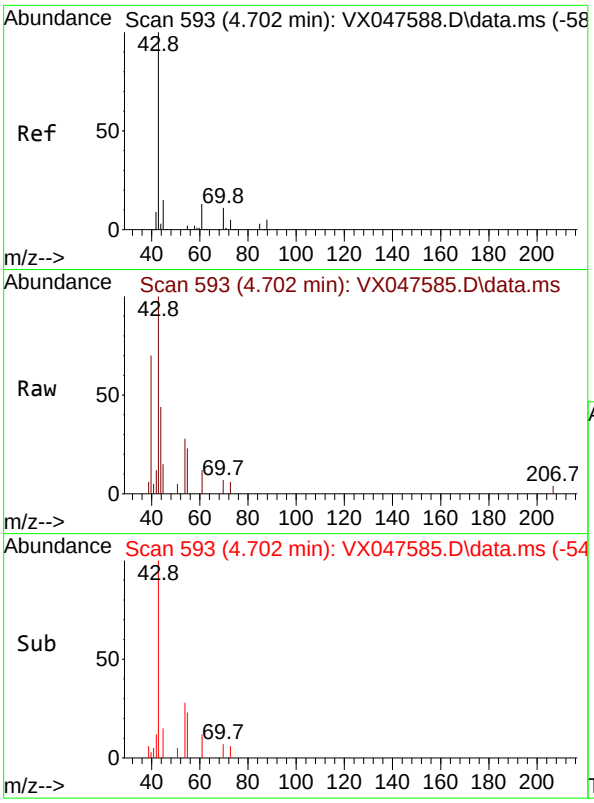




#36
1,1-Dichloropropene
Concen: 0.988 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 0.0 | 16.7 | 50.1# |
| 77 | 30.0 | 24.3 | 36.5 |



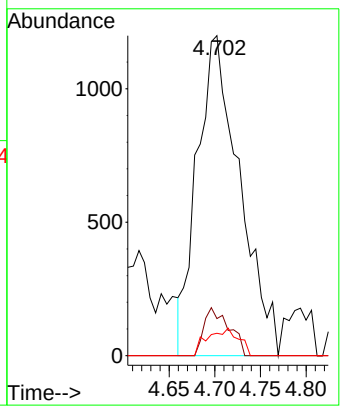


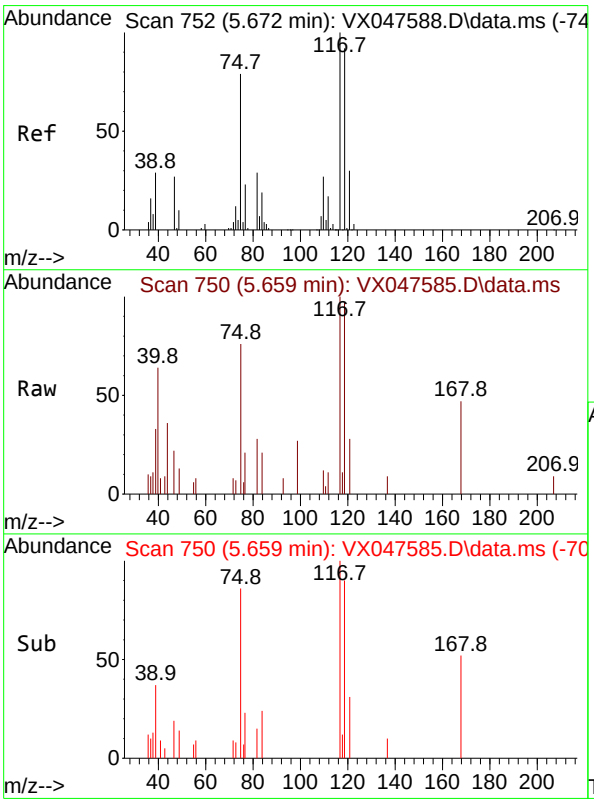

#37
Ethyl Acetate
Concen: 0.818 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 3873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 8.9 | 9.8 | 14.8# |
| 70 | 6.2 | 7.9 | 11.9# |

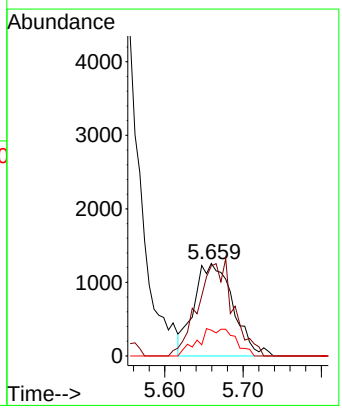


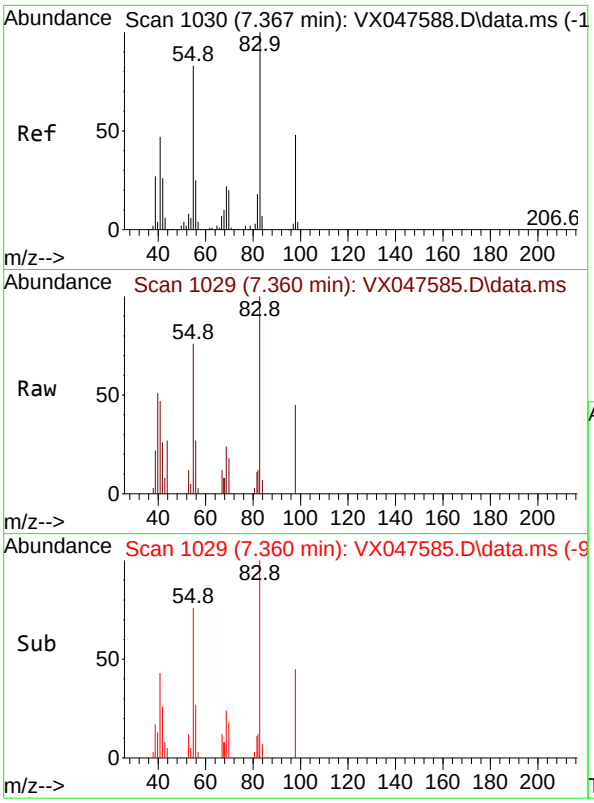




#38
Carbon Tetrachloride
Concen: 0.905 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 4349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.3 | 73.4 | 110.2 |
| 121 | 27.8 | 23.8 | 35.6 |



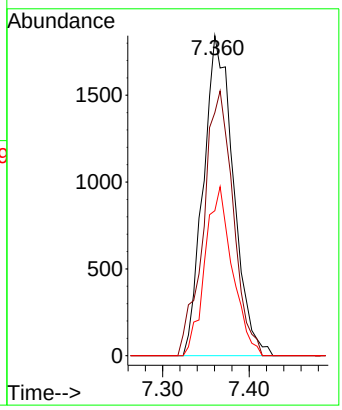


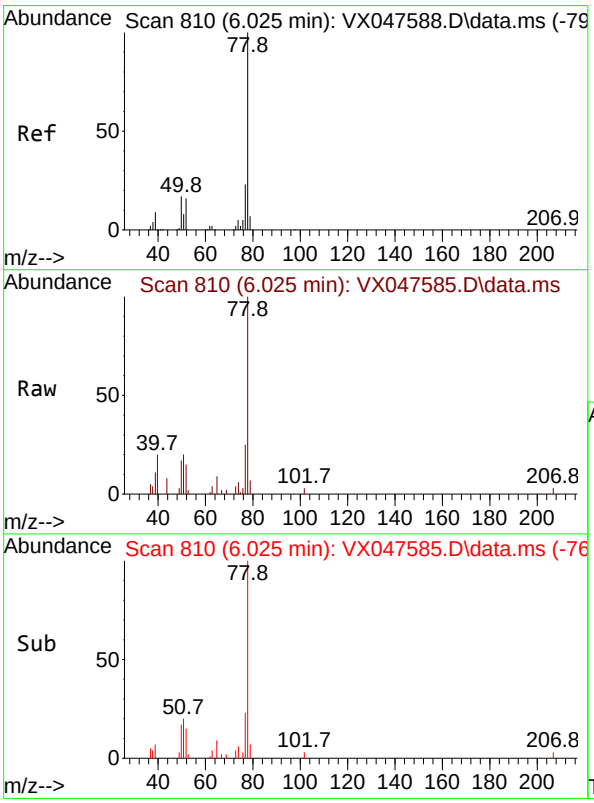

#39
Methylcyclohexane
Concen: 0.882 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 83 Resp: 4428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.0 | 66.4 | 99.6 |
| 98 | 45.3 | 38.1 | 57.1 |

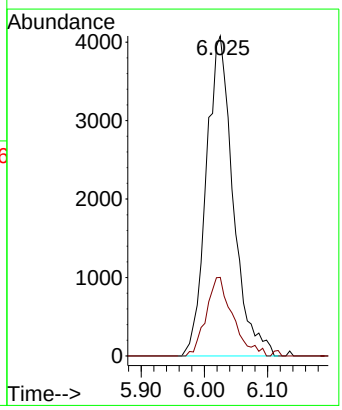


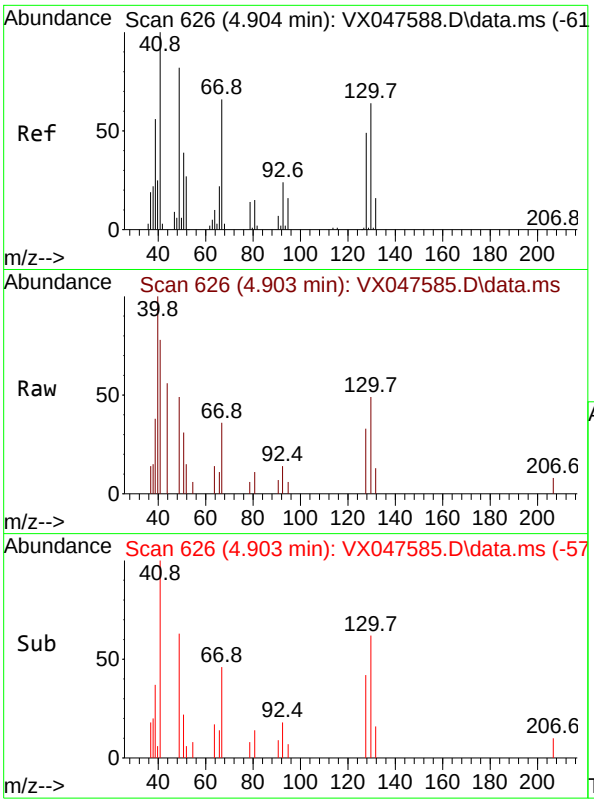




#40
Benzene
Concen: 0.894 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 78 Resp: 12012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.5 | 18.8 | 28.2 |



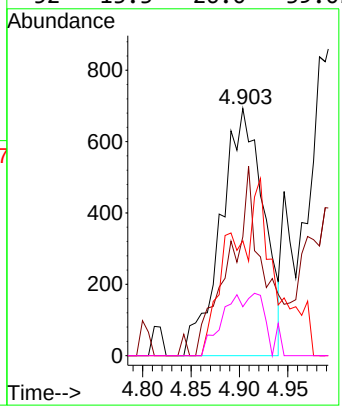


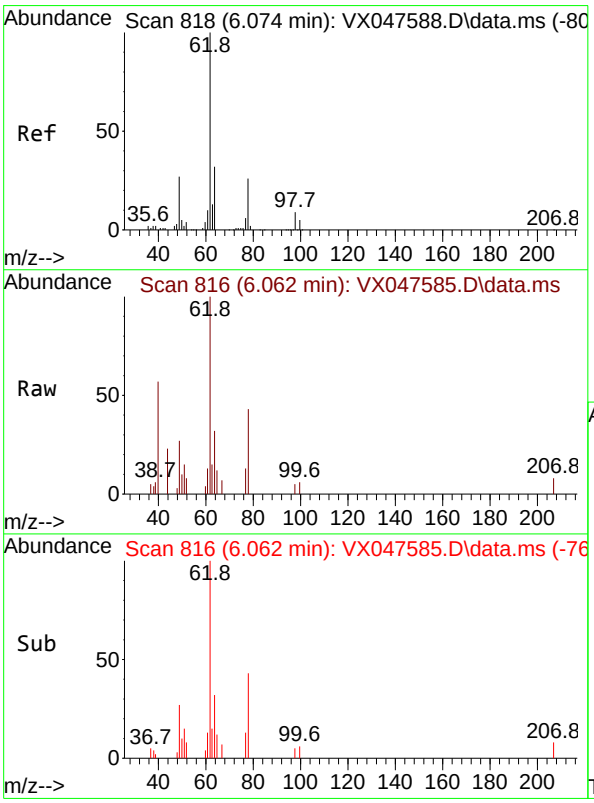

#41
Methacrylonitrile
Concen: 0.870 ug/l
RT: 4.903 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 41 Resp: 2128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 60.3 | 43.3 | 64.9 |
| 67 | 23.5 | 58.6 | 87.8# |
| 52 | 13.3 | 26.0 | 39.0# |

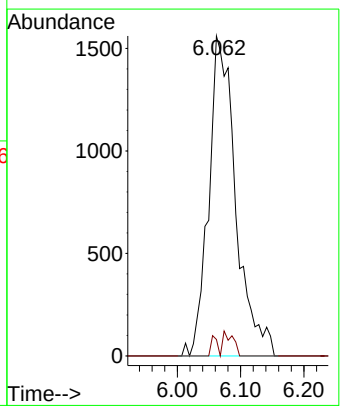


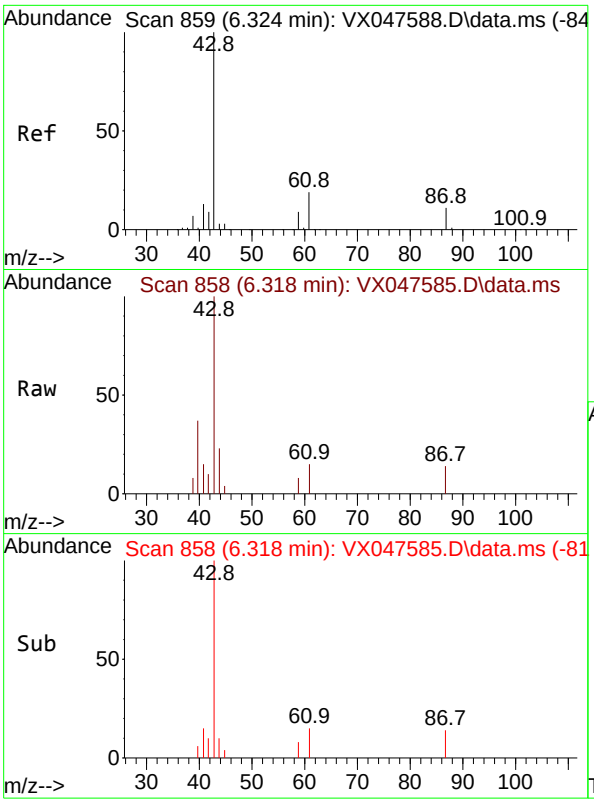




#42
1,2-Dichloroethane
Concen: 0.906 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 62 Resp: 4634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 1.4 | 0.0 | 17.0 |



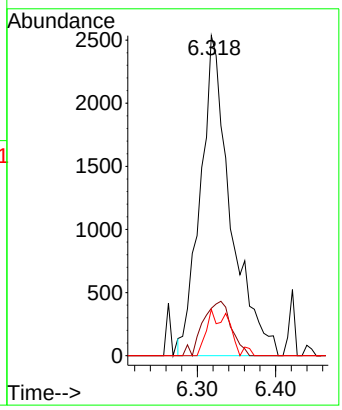


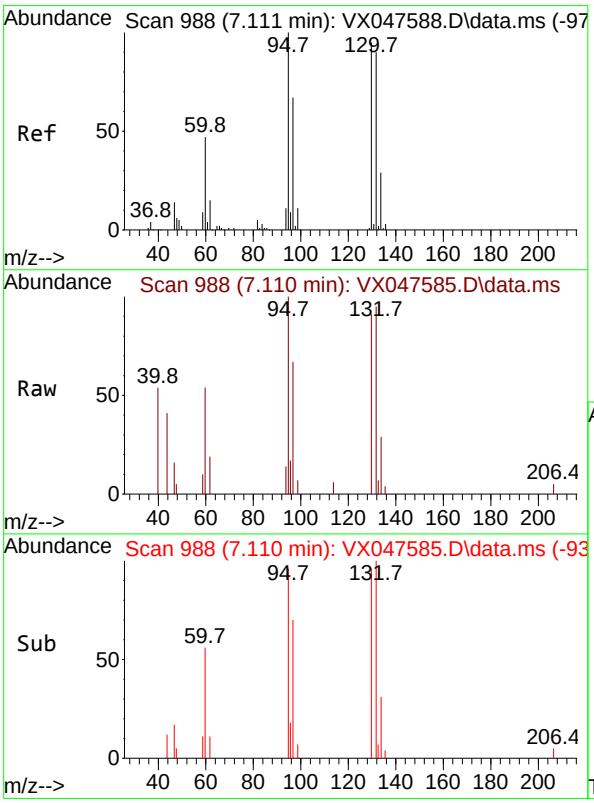

#43
Isopropyl Acetate
Concen: 0.873 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 6784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 15.9 | 15.2 | 22.8 |
| 87 | 10.1 | 9.6 | 14.4 |

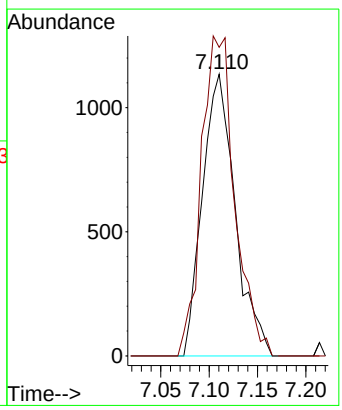


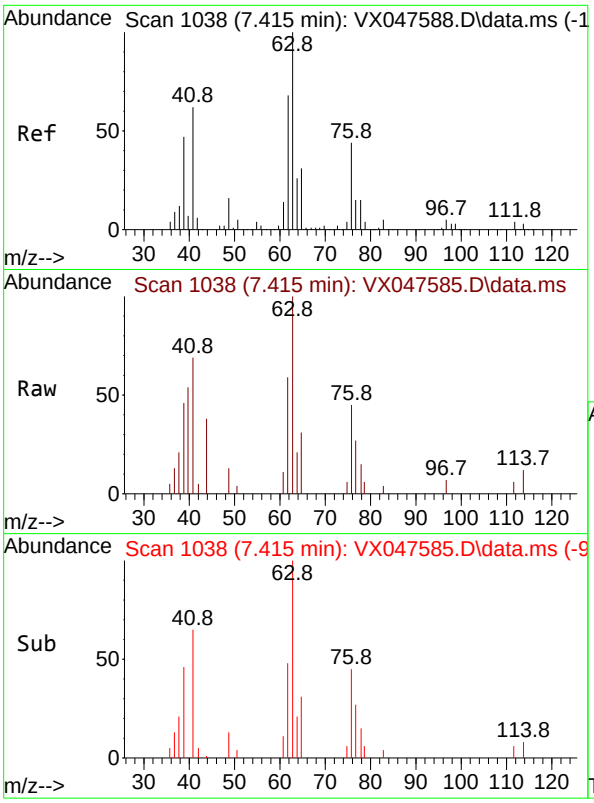




#44
Trichloroethene
Concen: 0.824 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:130 Resp: 2677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 127.9 | 0.0 | 210.8 |



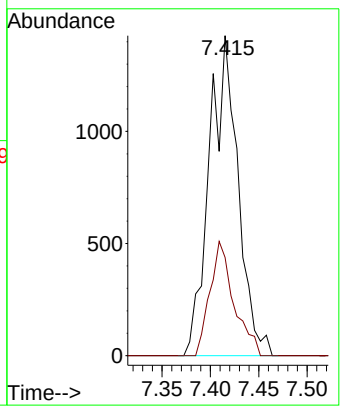


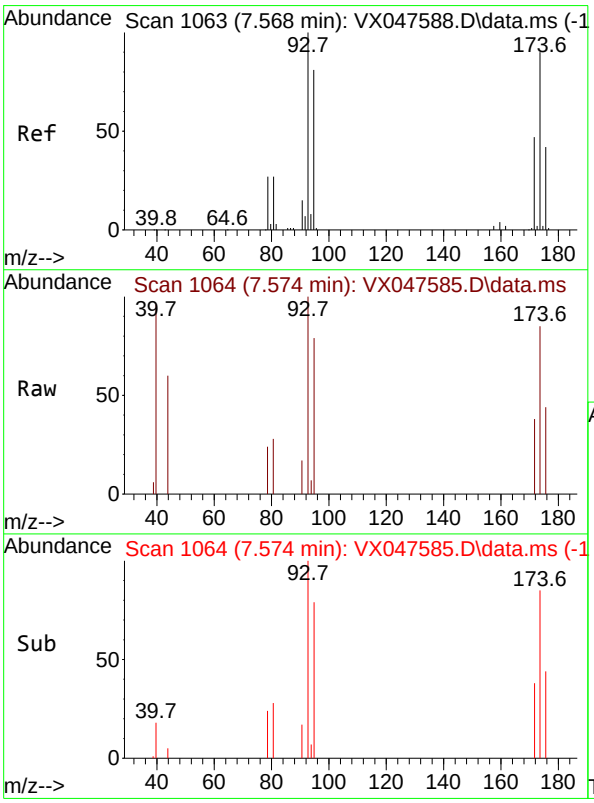

#45
1,2-Dichloropropane
Concen: 0.856 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 63 Resp: 2945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |

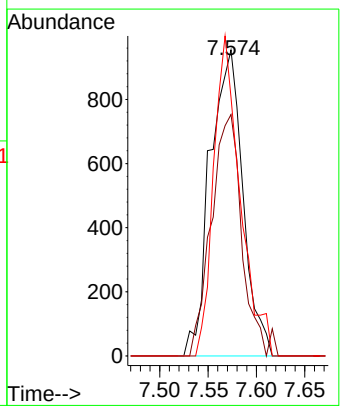


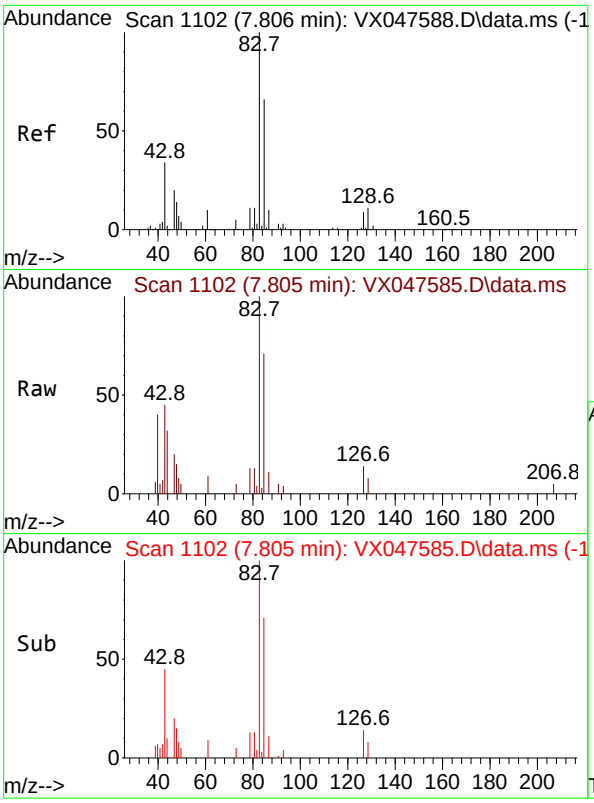




#46
Dibromomethane
Concen: 0.895 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 93 Resp: 2240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 74.4 | 65.0 | 97.6 |
| 174 | 85.1 | 71.6 | 107.4 |



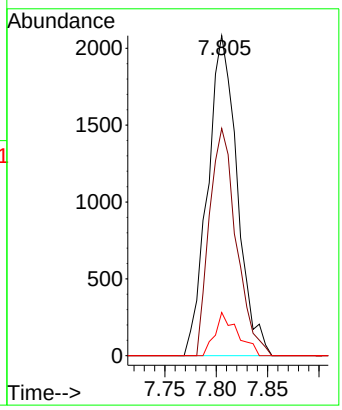


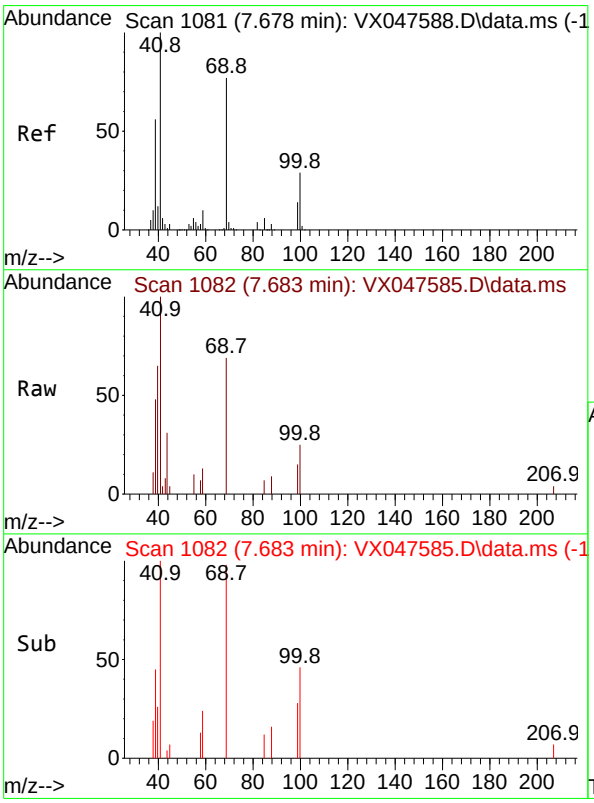

#47
Bromodichloromethane
Concen: 0.806 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 83 Resp: 4167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 71.0 | 52.5 | 78.7 |
| 127 | 13.5 | 6.9 | 10.3# |

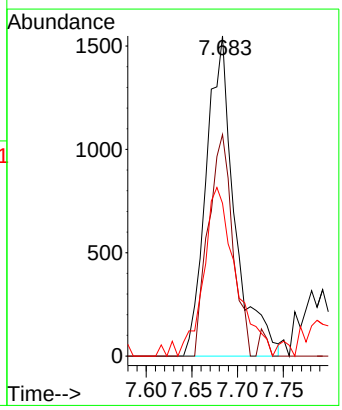


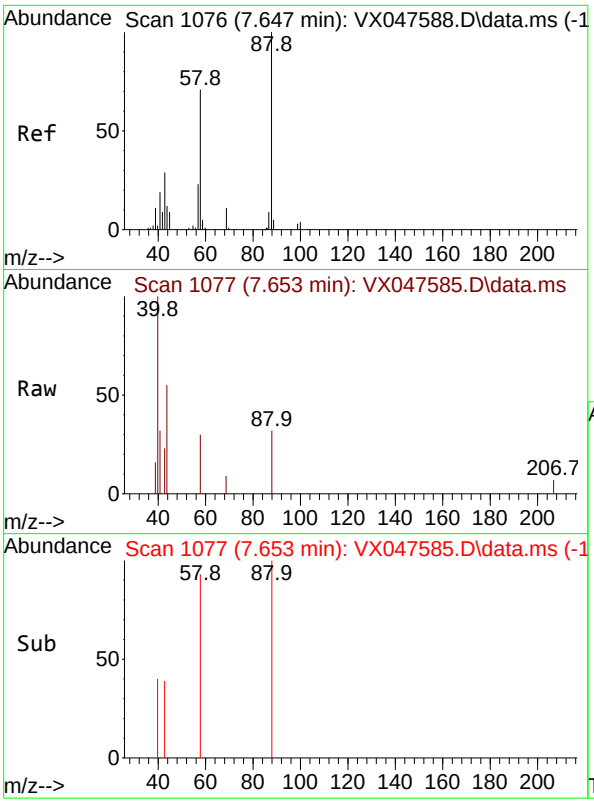




#48
Methyl methacrylate
Concen: 0.867 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 41 Resp: 3355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 59.3 | 61.4 | 92.2# |
| 39 | 59.5 | 45.8 | 68.6 |



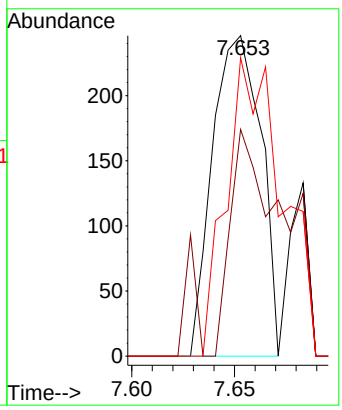


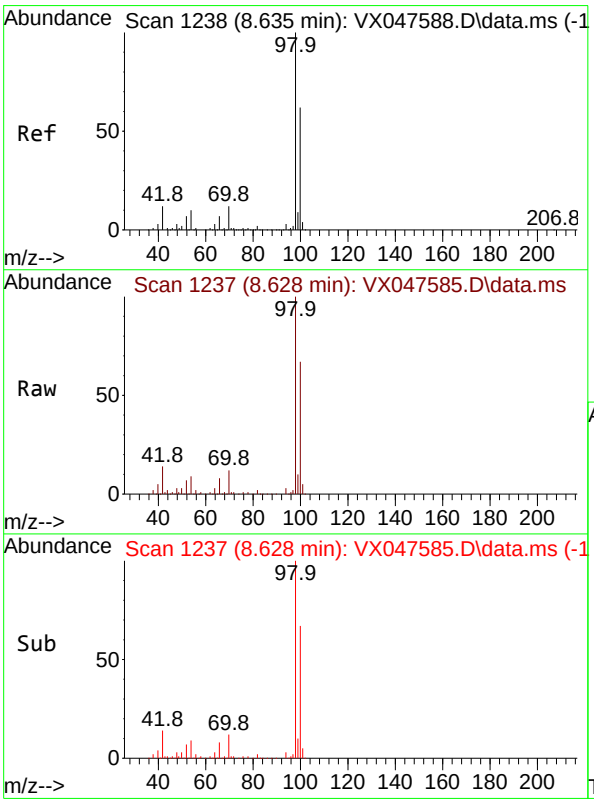

#49
1,4-Dioxane
Concen: 10.329 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 88 Resp: 404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 77.5 | 30.2 | 45.2# |
| 58 | 107.4 | 59.5 | 89.3# |

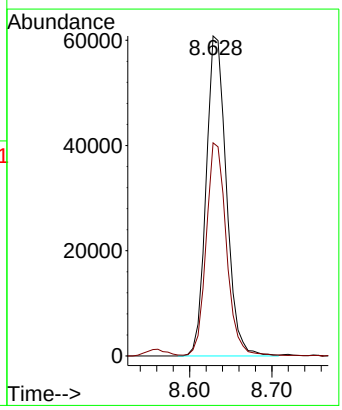


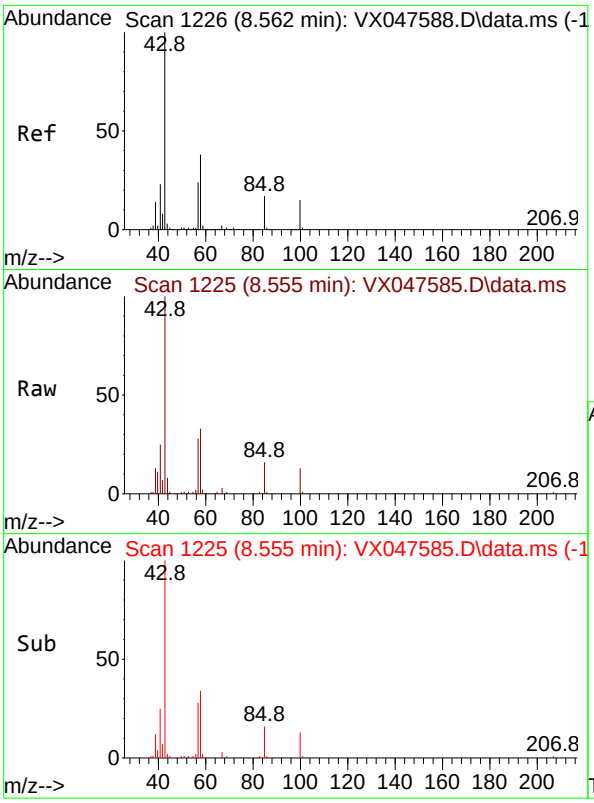




#50
Toluene-d8
Concen: 9.913 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 98 Resp: 103865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |



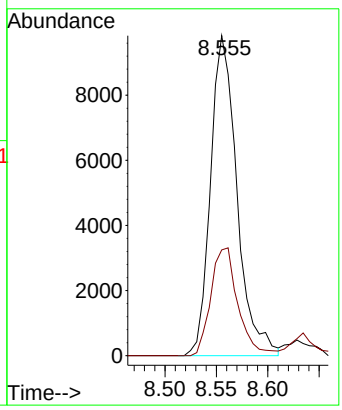


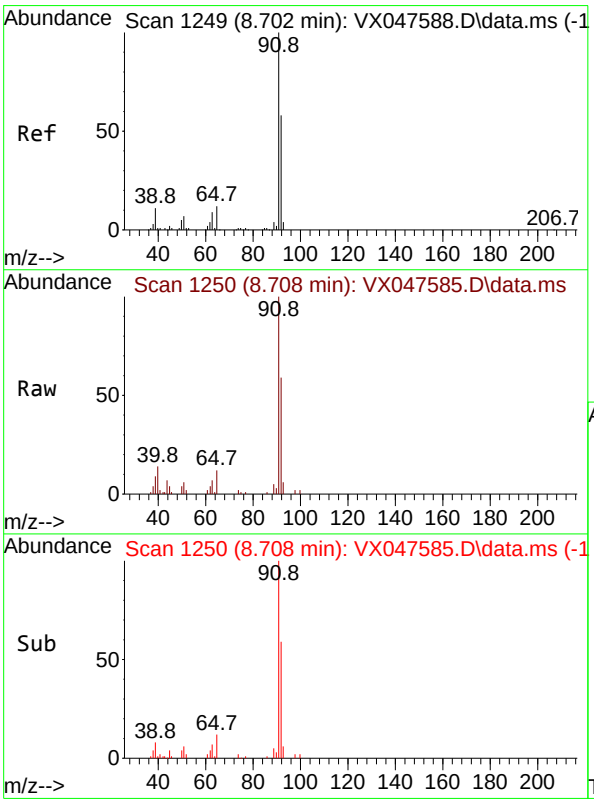

#51
4-Methyl-2-Pentanone
Concen: 4.085 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 17596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 34.7 | 30.3 | 45.5 |

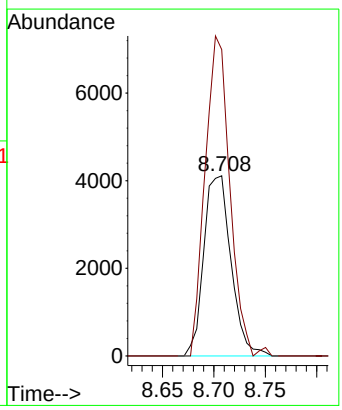


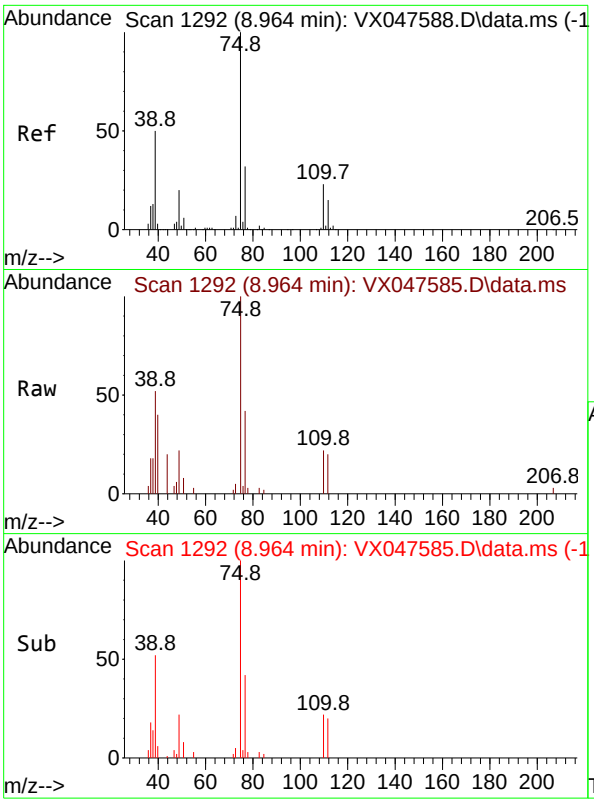




#52
Toluene
Concen: 0.917 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 92 Resp: 7595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 160.7 | 137.1 | 205.7 |



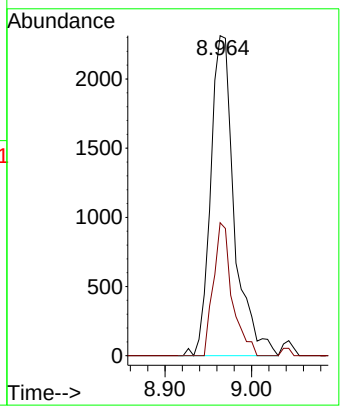


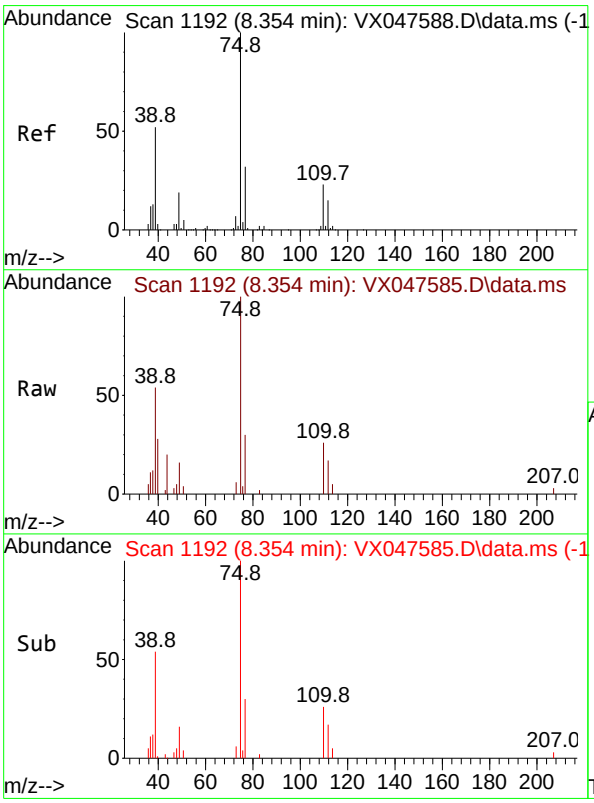

#53
t-1,3-Dichloropropene
Concen: 0.834 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 75 Resp: 4398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 41.5 | 25.4 | 38.2# |

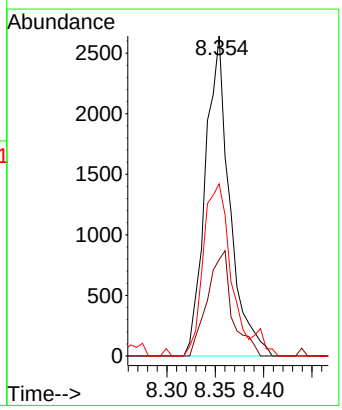


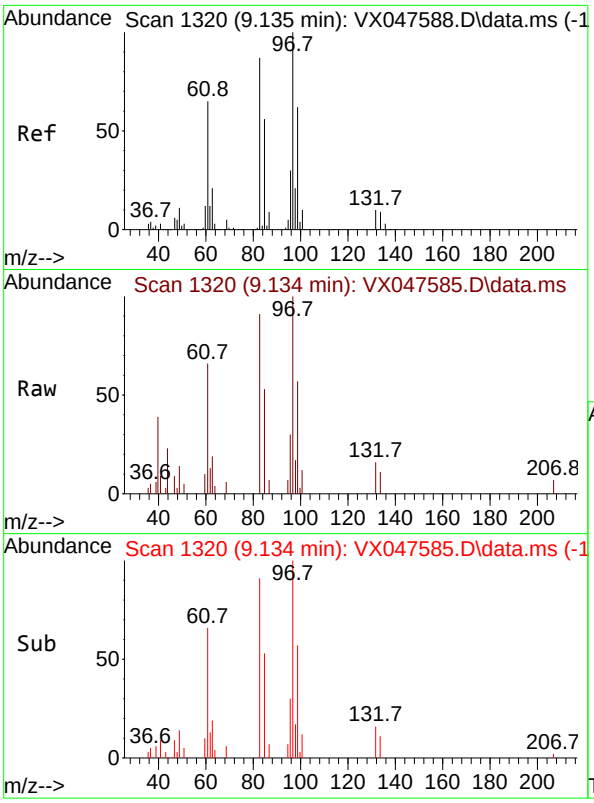




#54
cis-1,3-Dichloropropene
Concen: 0.823 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.1 | 25.8 | 38.6 |
| 39 | 25.6 | 41.4 | 62.2# |



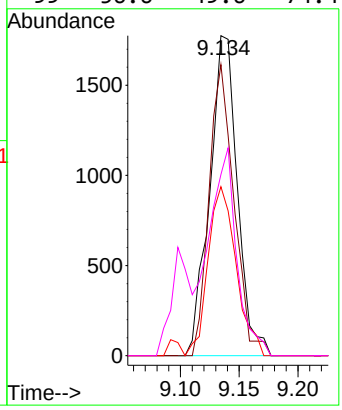


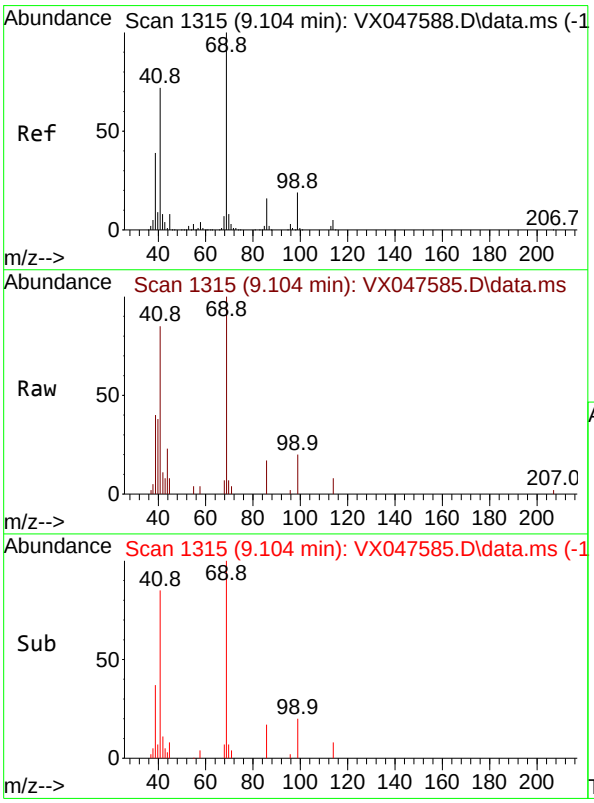

#55
1,1,2-Trichloroethane
Concen: 0.914 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 97 Resp: 2918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.9 | 69.6 | 104.4 |
| 85 | 52.8 | 45.0 | 67.6 |
| 99 | 56.6 | 49.6 | 74.4 |

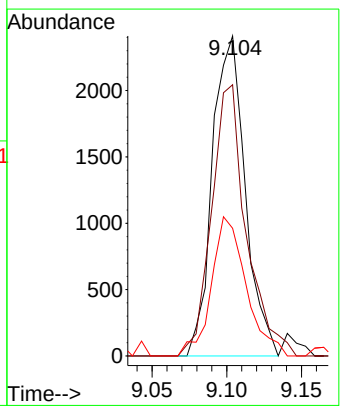


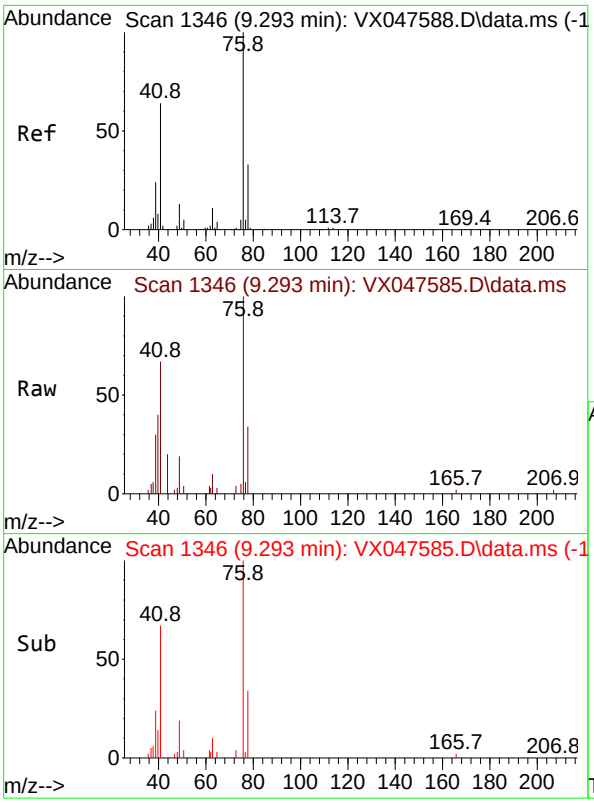




#56
Ethyl methacrylate
Concen: 0.734 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 69 Resp: 3679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 89.4 | 58.6 | 87.8# |
| 39 | 46.0 | 31.5 | 47.3 |



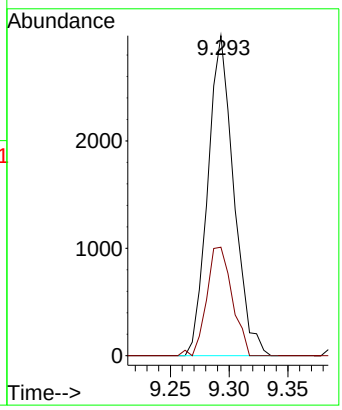


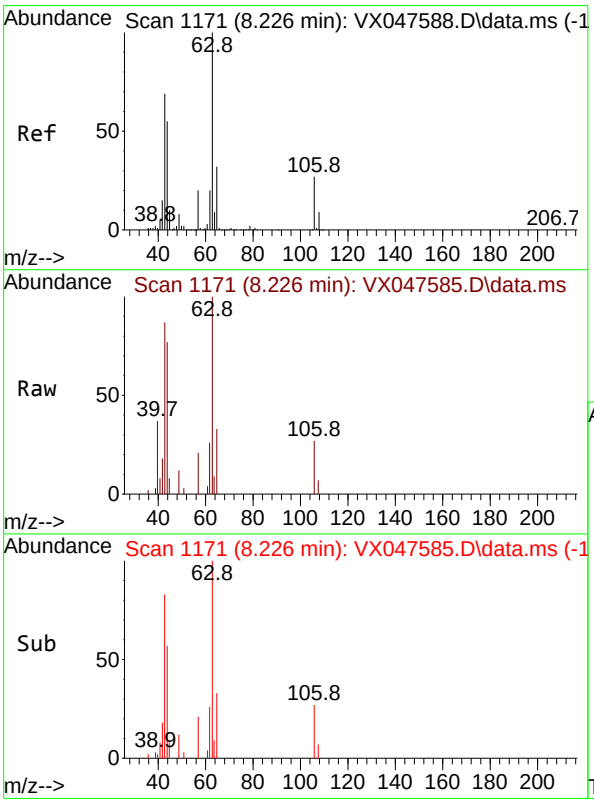

#57
1,3-Dichloropropane
Concen: 0.835 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 76 Resp: 4580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 33.2 | 26.2 | 39.4 |

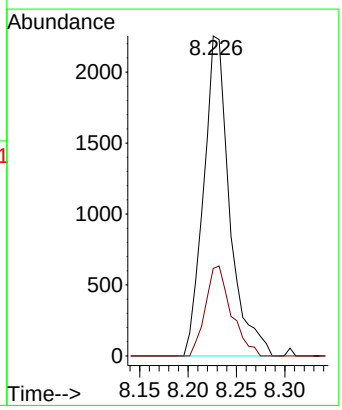


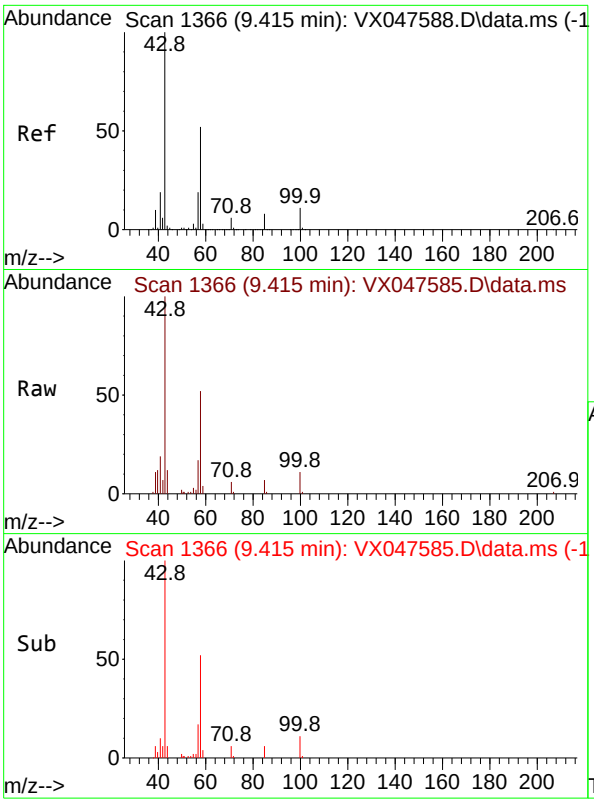




#58
2-Chloroethyl Vinyl ether
Concen: 9.665 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 63 Resp: 4222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.9 | 21.9 | 32.9 |



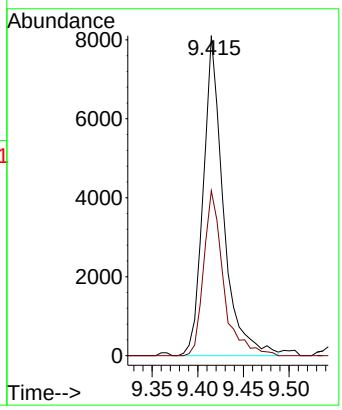


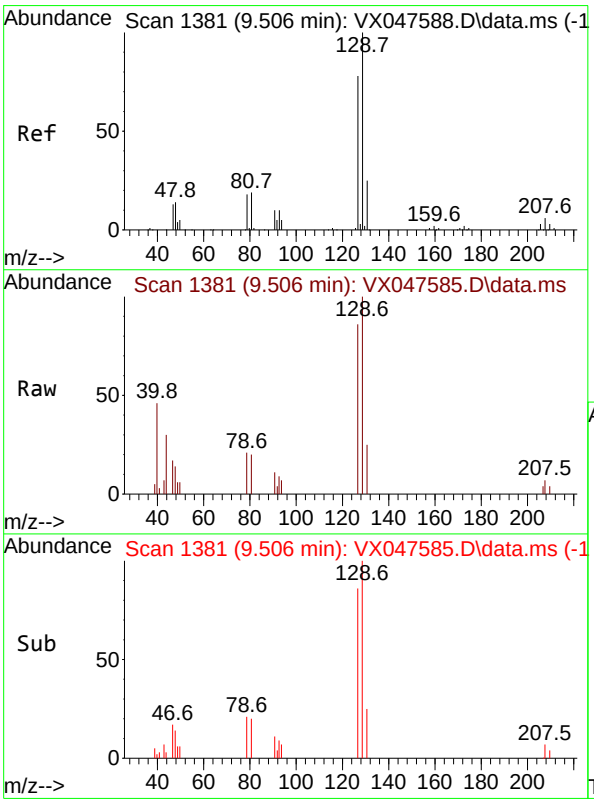

#59
2-Hexanone
Concen: 4.003 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 43 Resp: 12385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 50.7 | 26.1 | 78.2 |

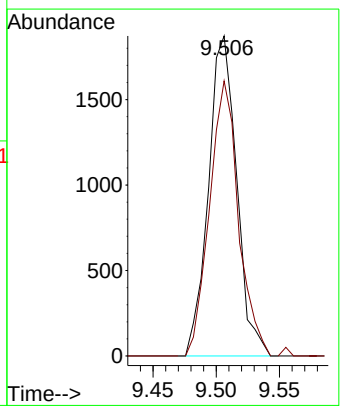


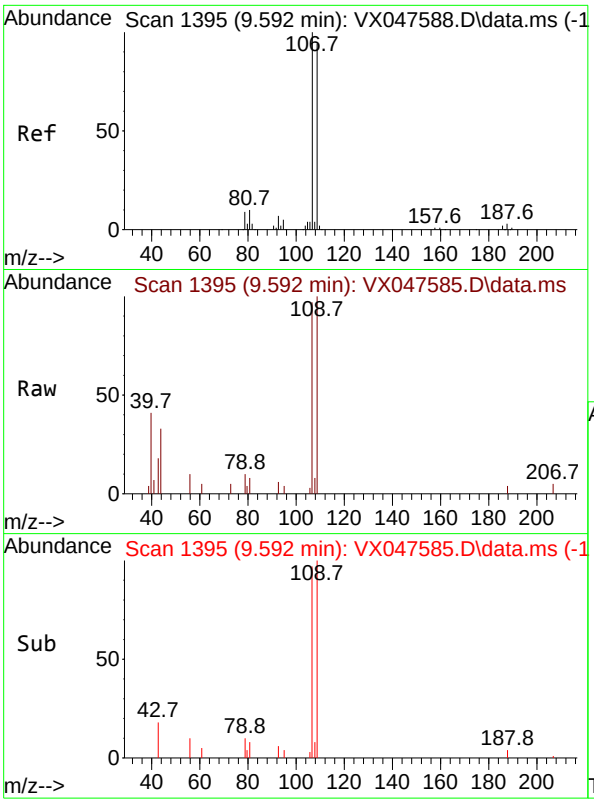




#60
Dibromochloromethane
Concen: 0.789 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:129 Resp: 2903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 88.2 | 38.4 | 115.2 |



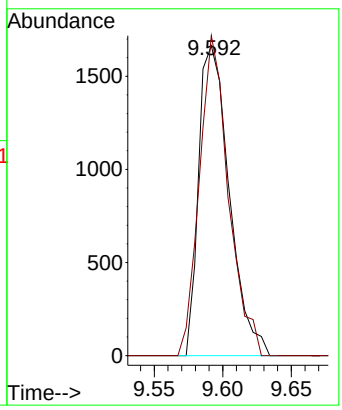


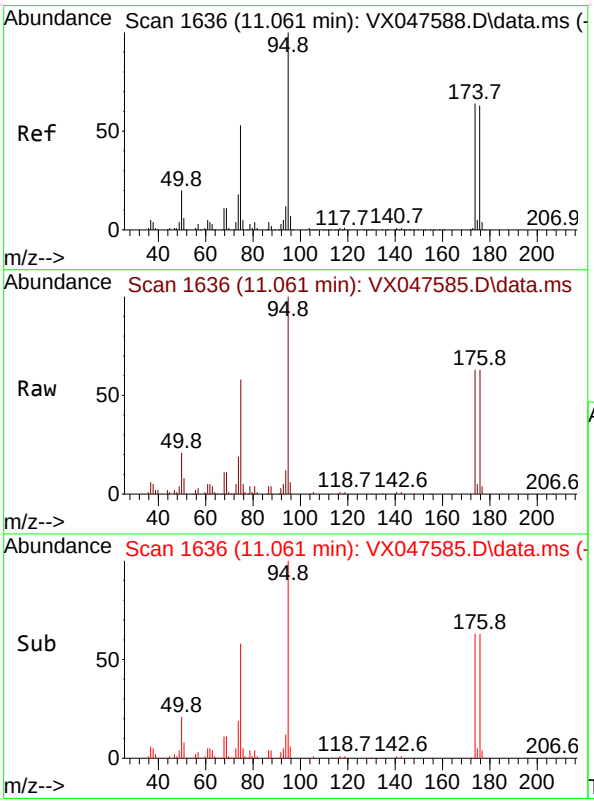

#61
1,2-Dibromoethane
Concen: 0.798 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:107 Resp: 2596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 97.7 | 75.3 | 112.9 |

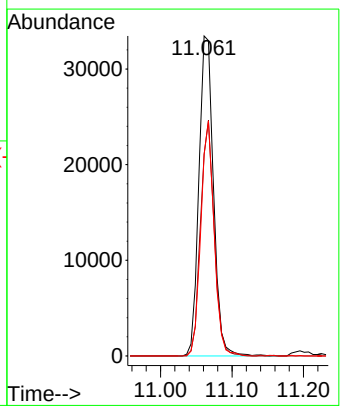


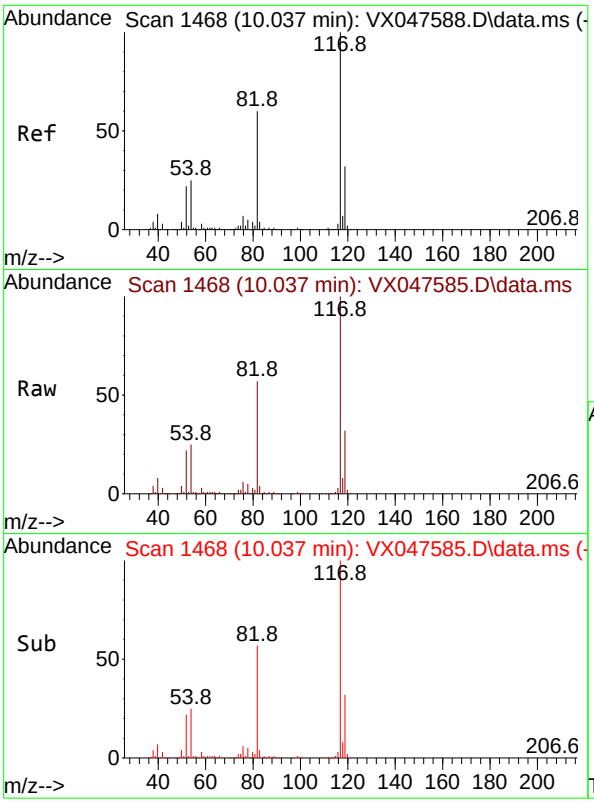




#62
4-Bromofluorobenzene
Concen: 11.900 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 95 Resp: 47321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 68.9 | 0.0 | 141.6 |
| 176 | 67.0 | 0.0 | 138.4 |



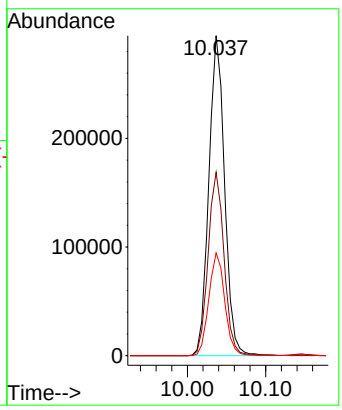


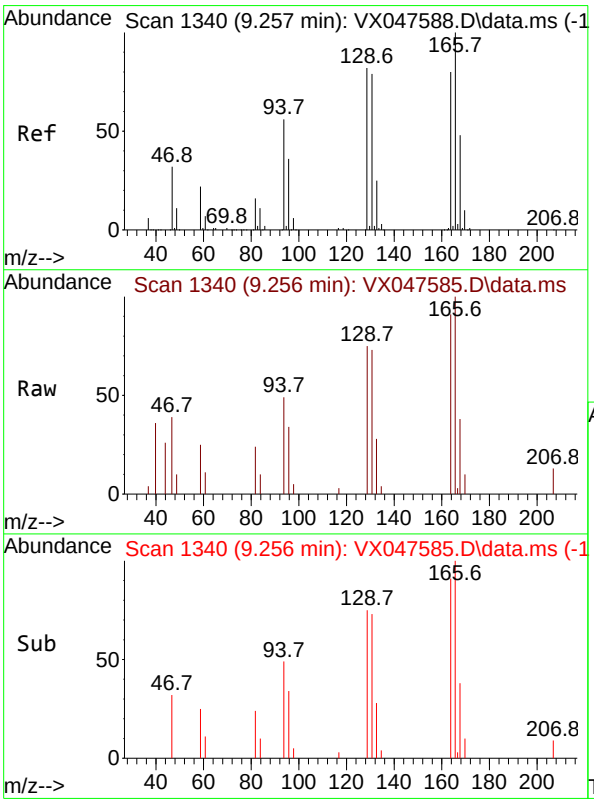

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:117 Resp: 410953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.3 | 47.8 | 71.6 |
| 119 | 32.1 | 25.2 | 37.8 |

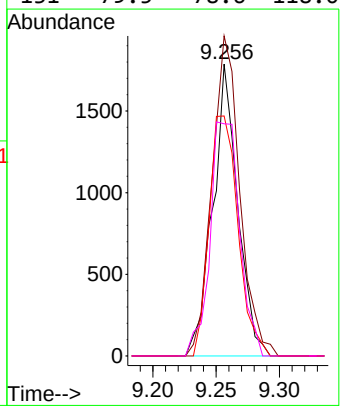


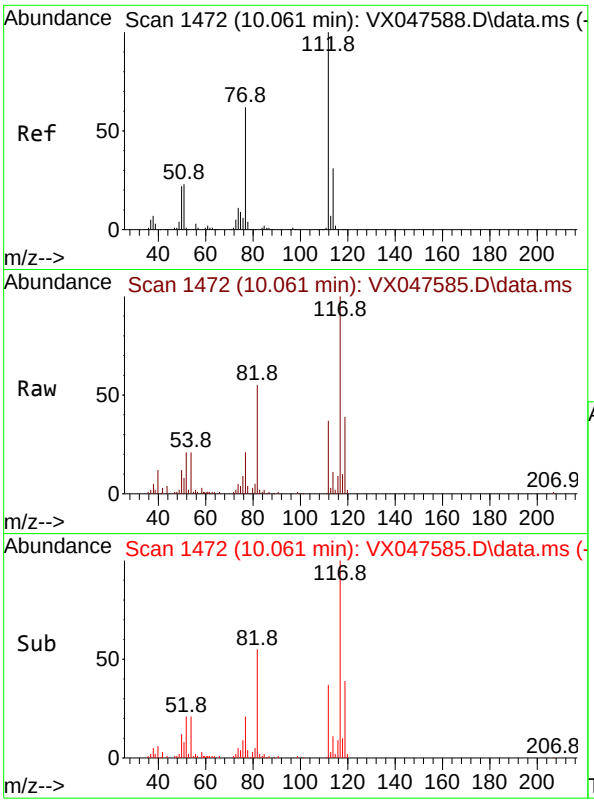




#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:164 Resp: 2457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 109.6 | 100.2 | 150.2 |
| 129 | 82.2 | 81.8 | 122.6 |
| 131 | 79.5 | 78.6 | 118.0 |



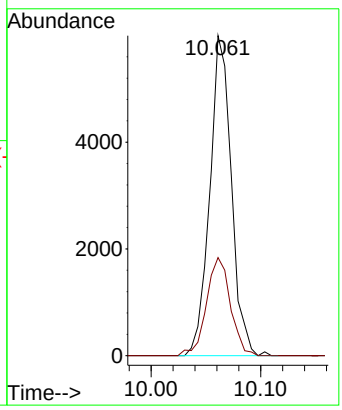


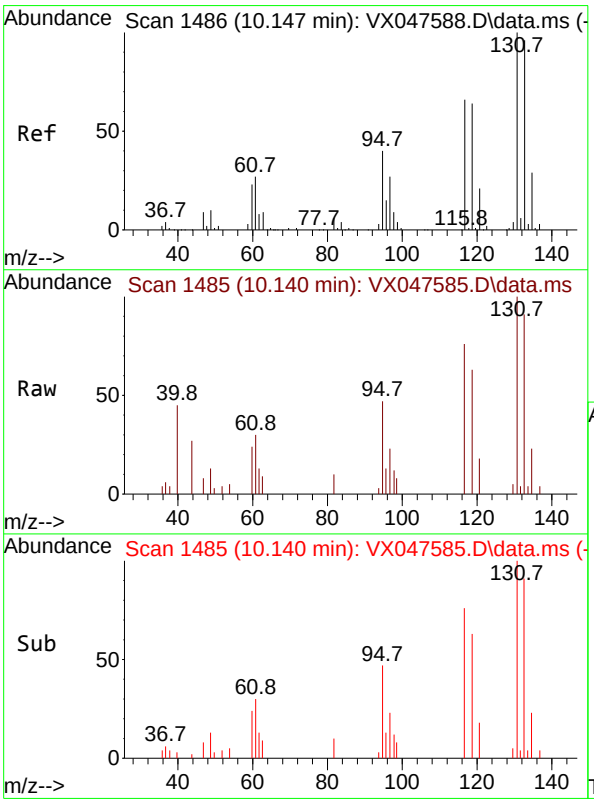

#65
Chlorobenzene
Concen: 0.879 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:112 Resp: 8202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 30.7 | 25.1 | 37.7 |

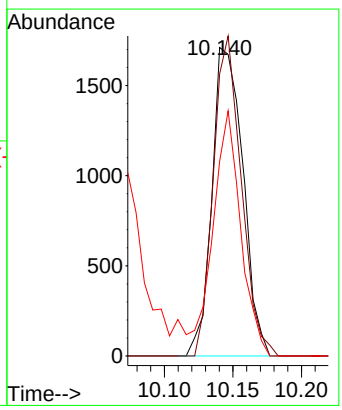


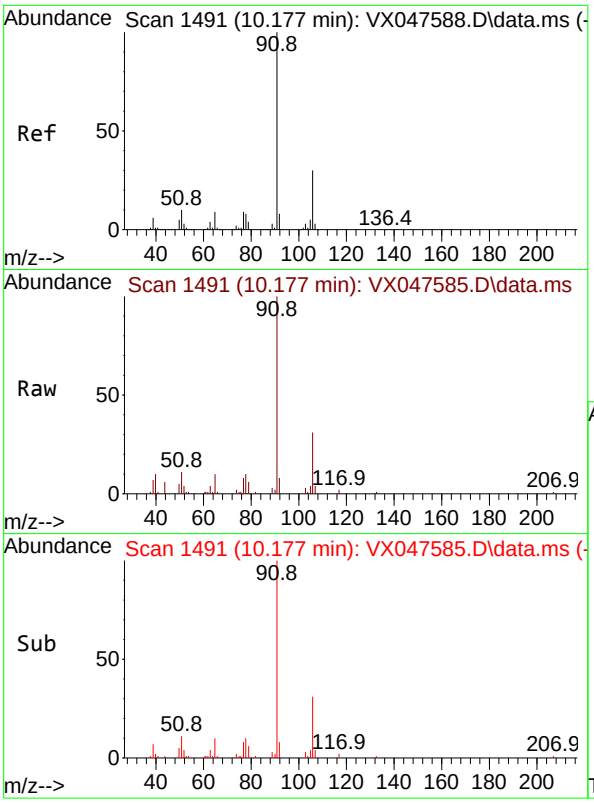




#66
1,1,1,2-Tetrachloroethane
Concen: 0.833 ug/l
RT: 10.140 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:131 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 142.0 |
| 119 | 0.0 | 32.0 | 96.0# |



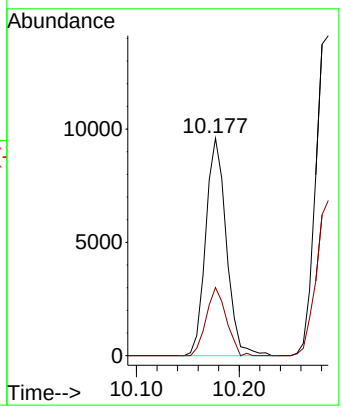


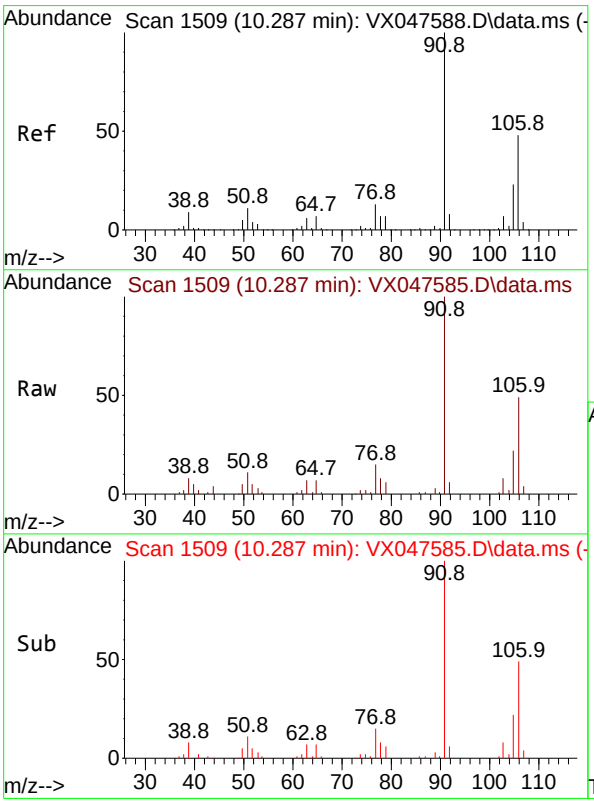

#67
Ethyl Benzene
Concen: 0.829 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 91 Resp: 13360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.3 | 24.3 | 36.5 |

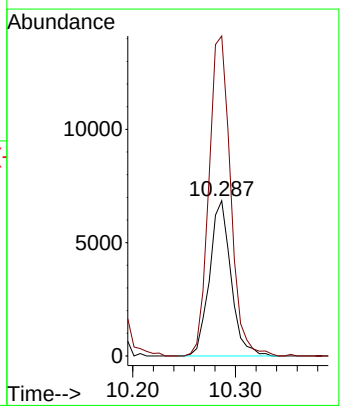


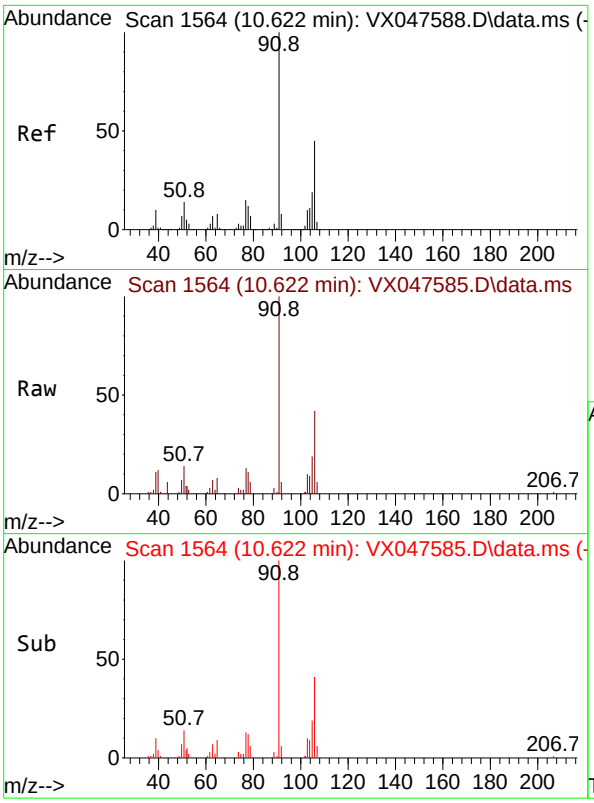




#68
m/p-Xylenes
Concen: 1.655 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:106 Resp: 9922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.5 | 167.8 | 251.8 |



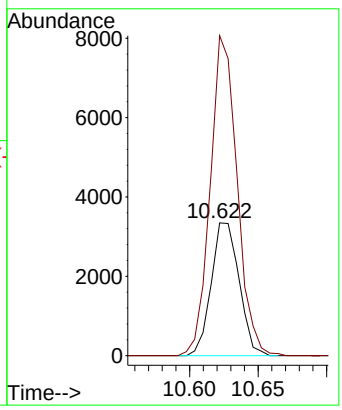


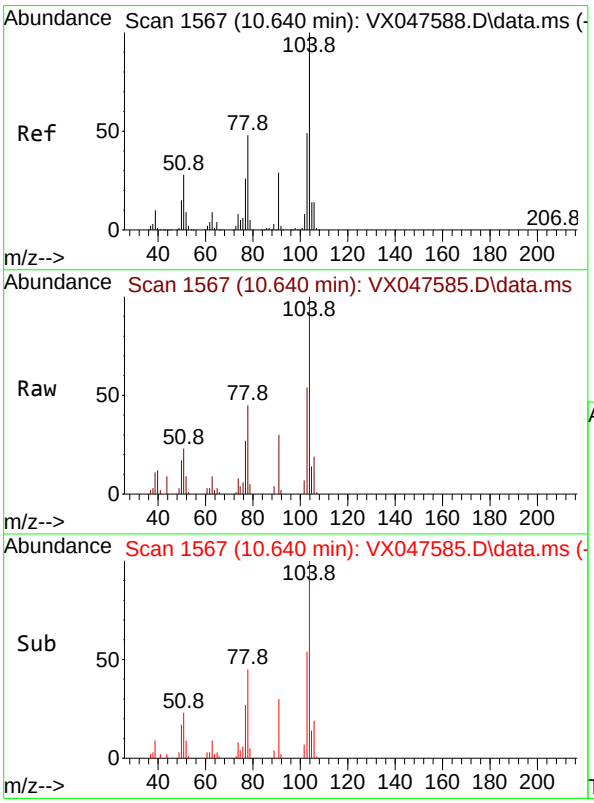

#69
o-Xylene
Concen: 0.816 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:106 Resp: 4734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 232.4 | 111.1 | 333.4 |

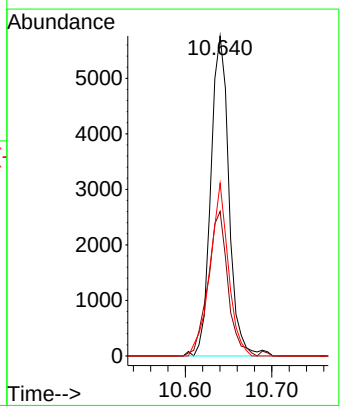


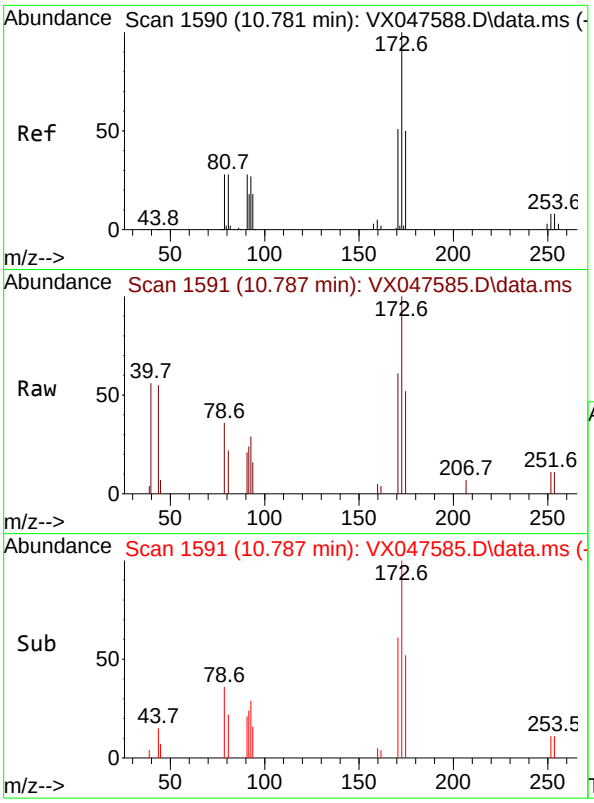




#70
Styrene
Concen: 0.824 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:104 Resp: 8377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 49.5 | 43.1 | 64.7 |
| 103 | 55.0 | 43.1 | 64.7 |



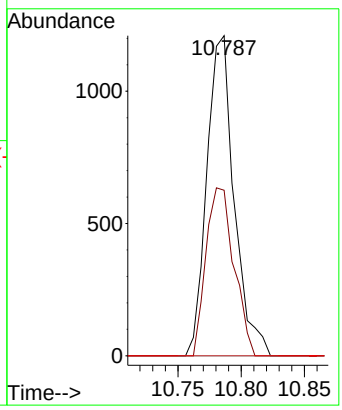


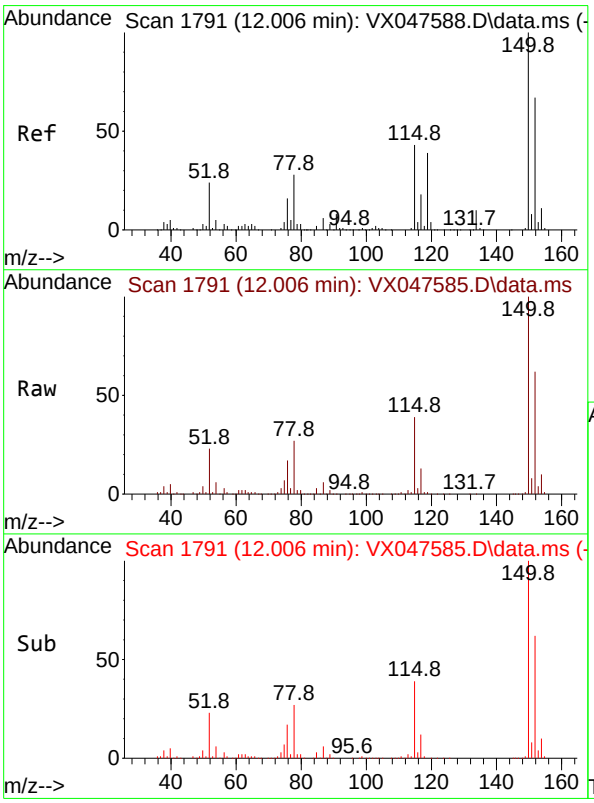

#71
Bromoform
Concen: 0.755 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:173 Resp: 1816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 53.8 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

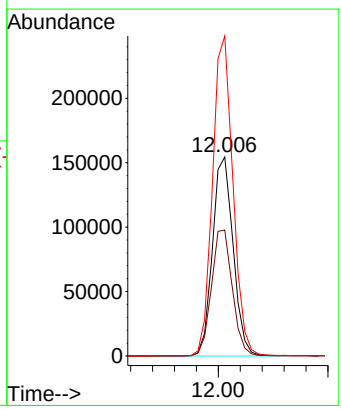


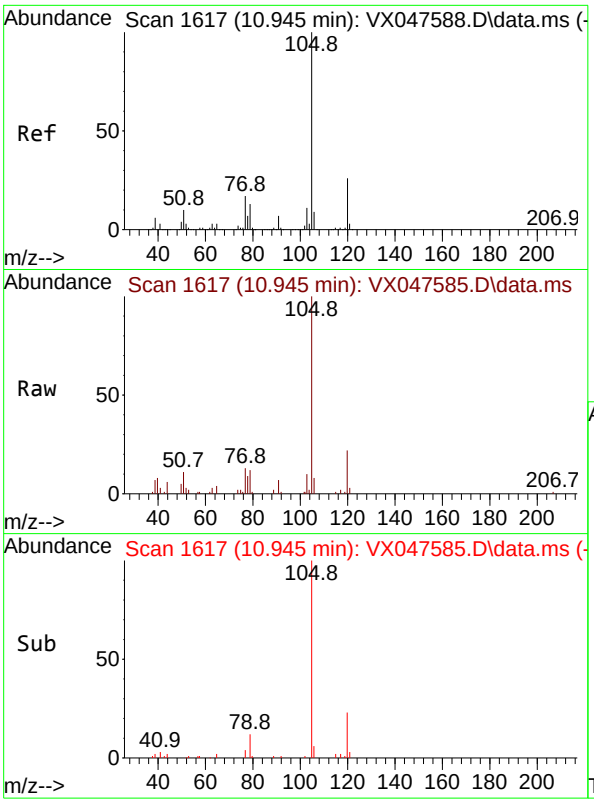




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:152 Resp: 201976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 64.2 | 44.9 | 134.5 |
| 150 | 158.7 | 0.0 | 352.0 |



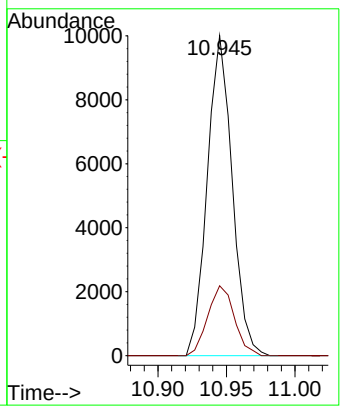


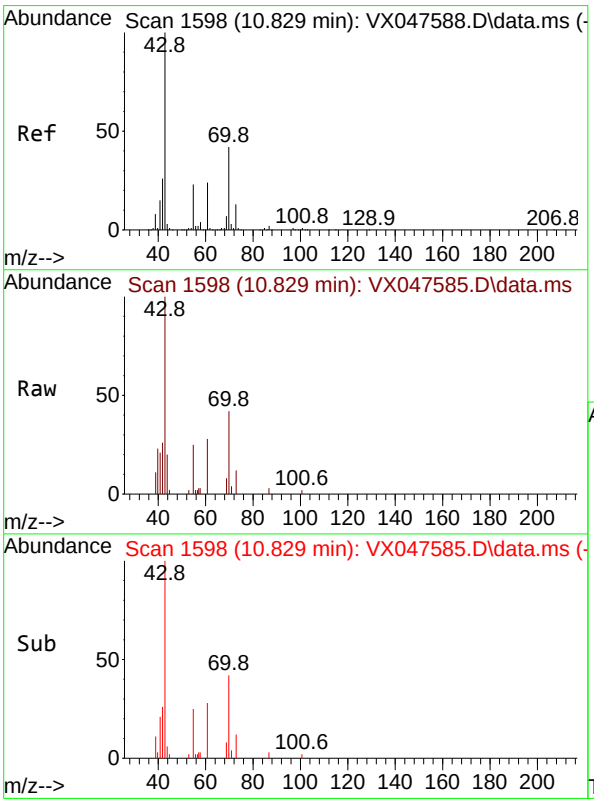

#73
Isopropylbenzene
Concen: 0.822 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:105 Resp: 12618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 23.4 | 12.8 | 38.4 |

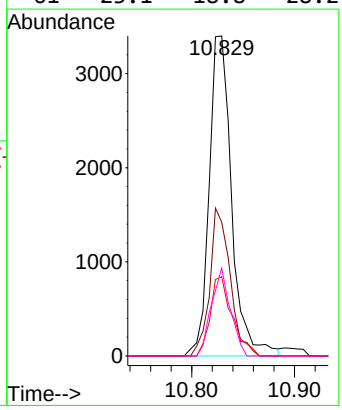


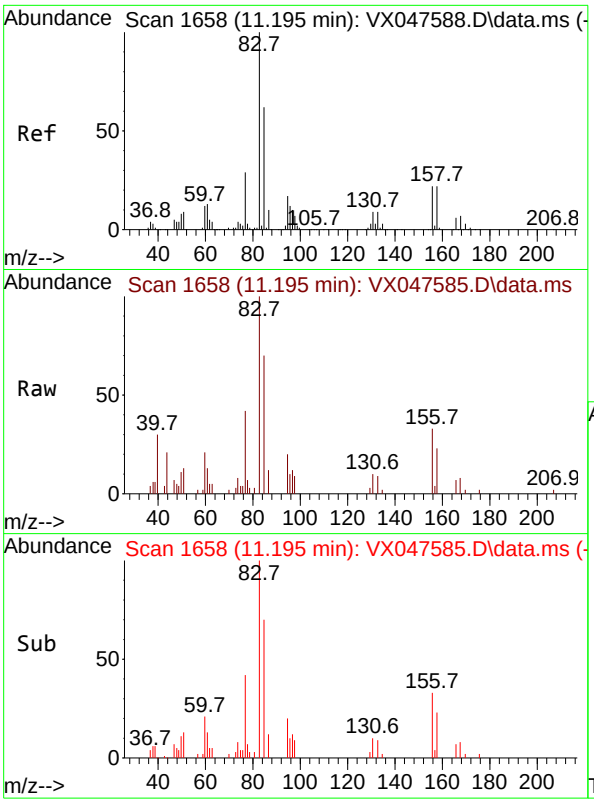




#74
N-amyl acetate
Concen: 0.737 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 43 Resp: 5159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 32.0 | 48.0 |
| 55 | 24.3 | 18.9 | 28.3 |
| 61 | 23.1 | 18.8 | 28.2 |



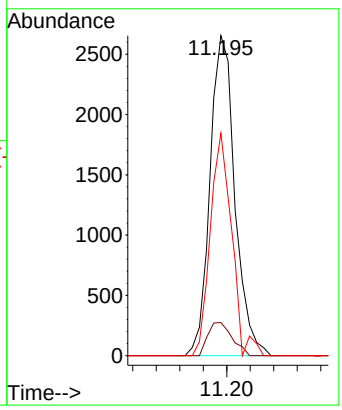


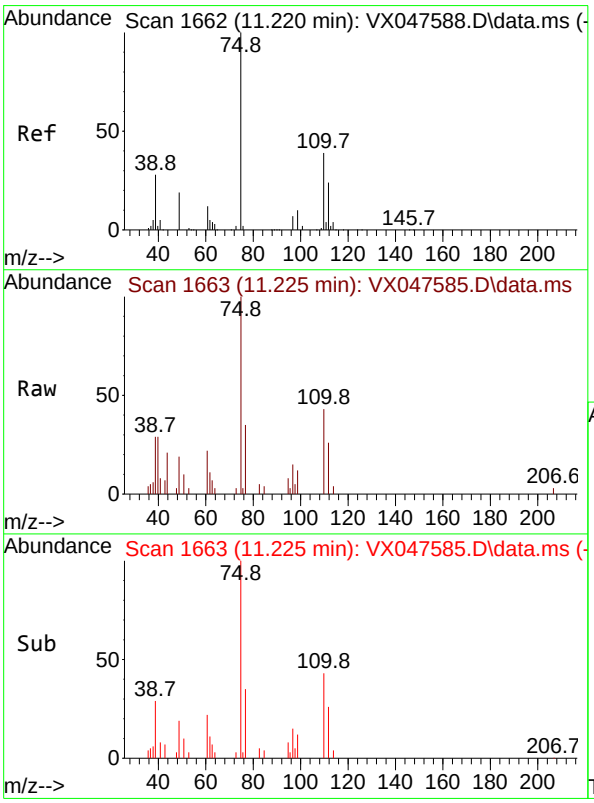

#75
1,1,2,2-Tetrachloroethane
Concen: 0.839 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 83 Resp: 3900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.1 | 5.0 | 14.9 |
| 85 | 59.8 | 31.6 | 95.0 |

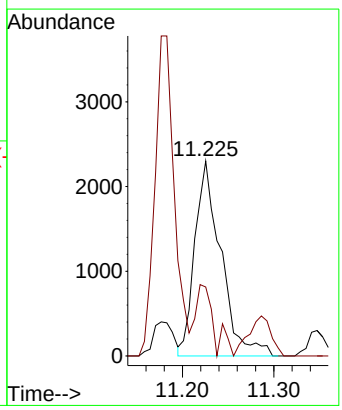


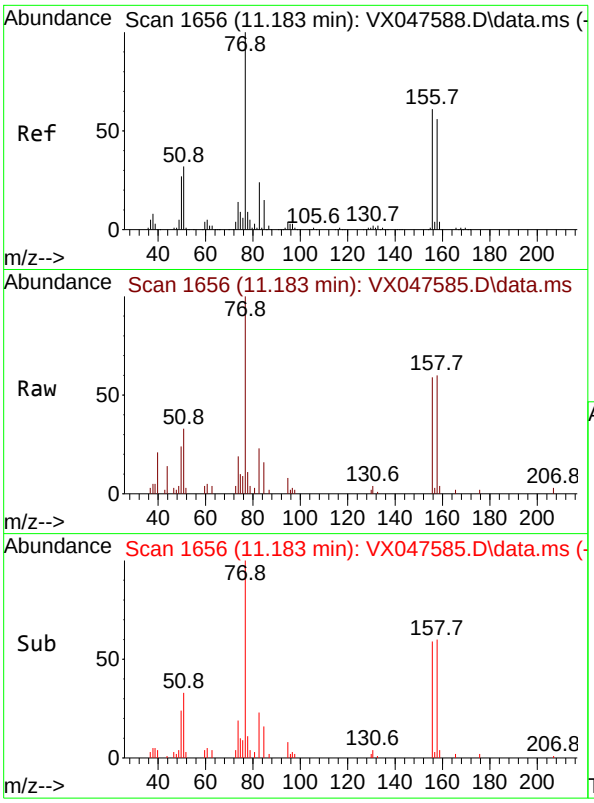




#76
1,2,3-Trichloropropane
Concen: 1.117 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 4568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 25.9 | 18.8 | 56.4 |



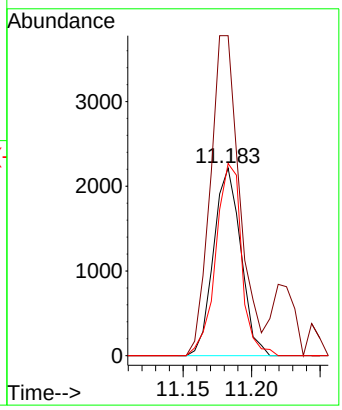


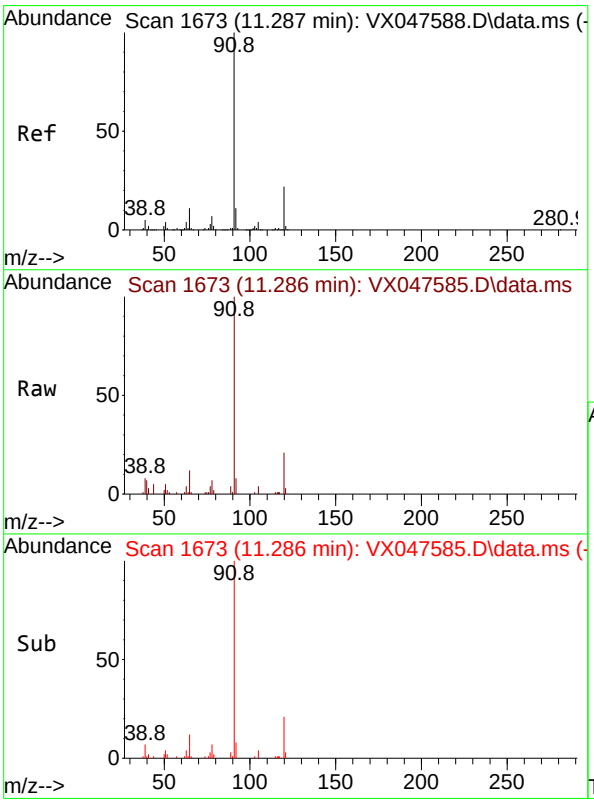

#77
Bromobenzene
Concen: 0.811 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:156 Resp: 3069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 182.3 | 89.7 | 269.1 |
| 158 | 96.6 | 47.9 | 143.6 |

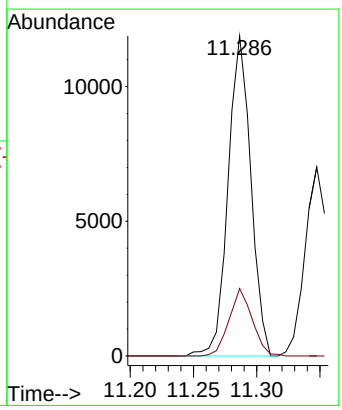


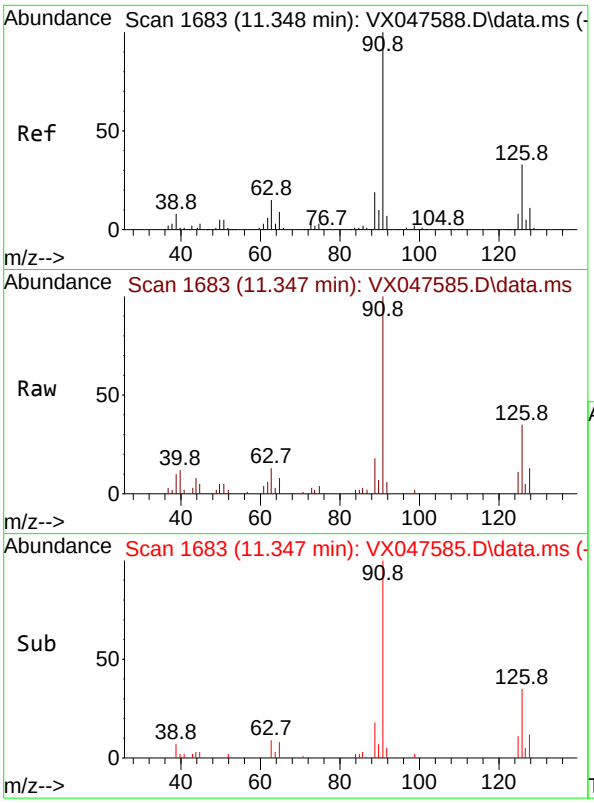




#78
n-propylbenzene
Concen: 0.819 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 14866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 21.4 | 11.1 | 33.1 |



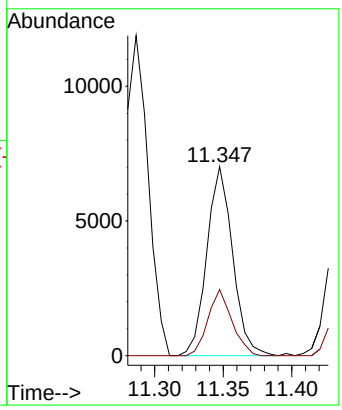


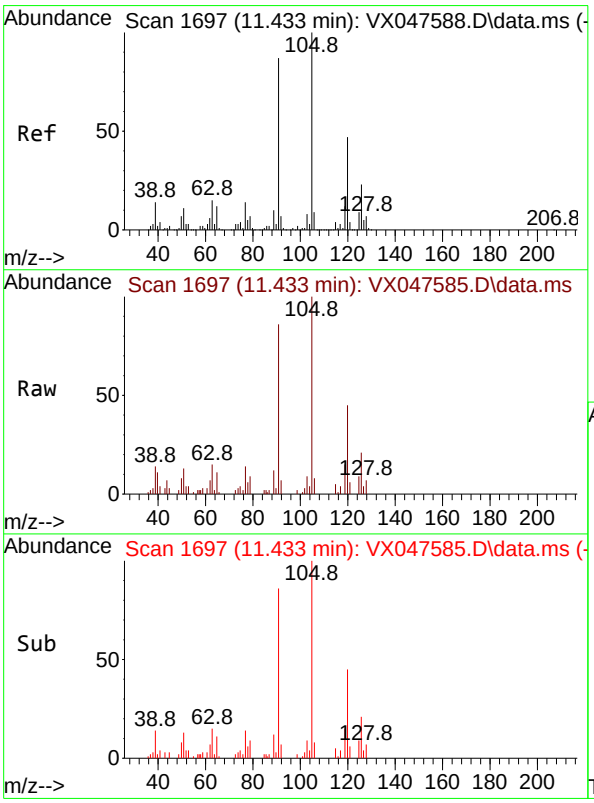

#79
2-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 91 Resp: 9195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.5 | 16.1 | 48.3 |

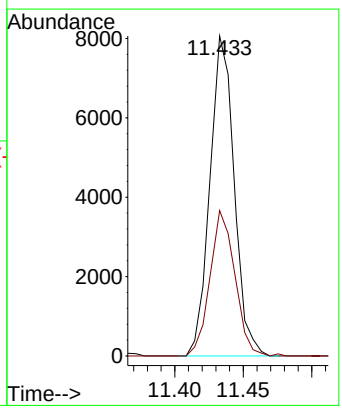


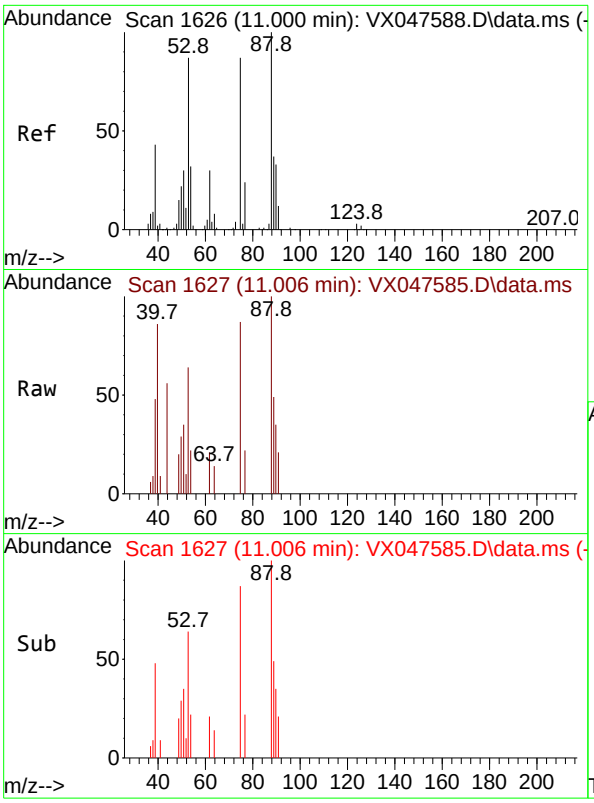




#80
1,3,5-Trimethylbenzene
Concen: 0.787 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 9929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.7 | 23.6 | 70.8 |



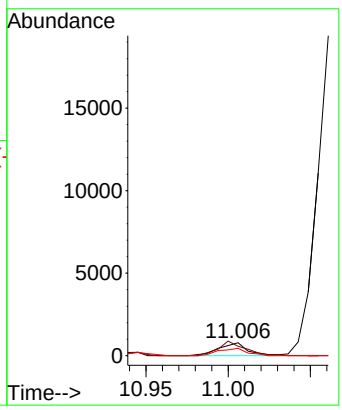


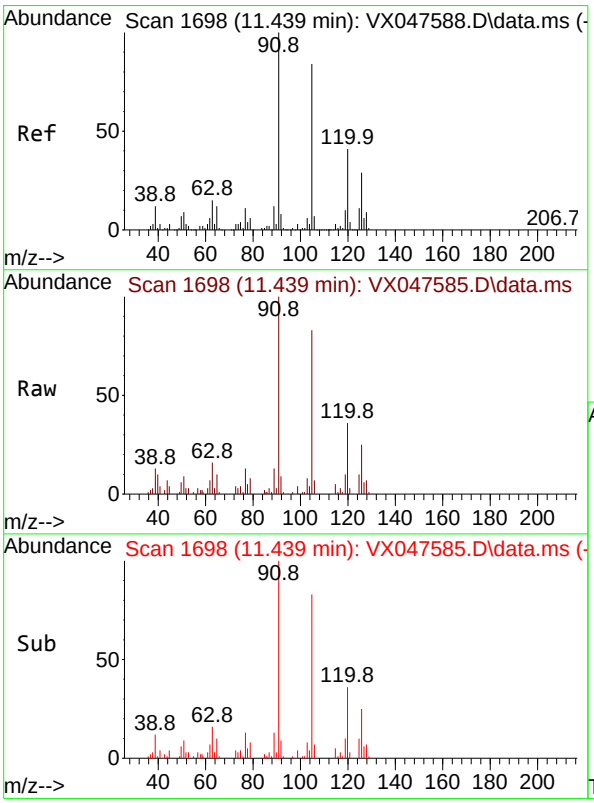

#81
trans-1,4-Dichloro-2-butene
Concen: 0.599 ug/l
RT: 11.006 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 75 Resp: 960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.2 | 83.4 | 125.2 |
| 89 | 55.2 | 36.3 | 54.5# |

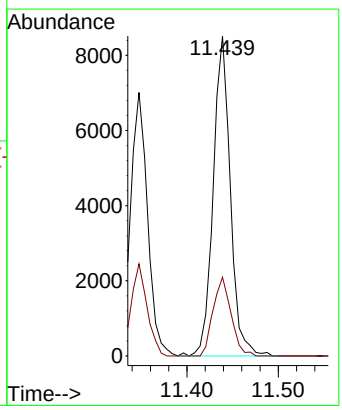


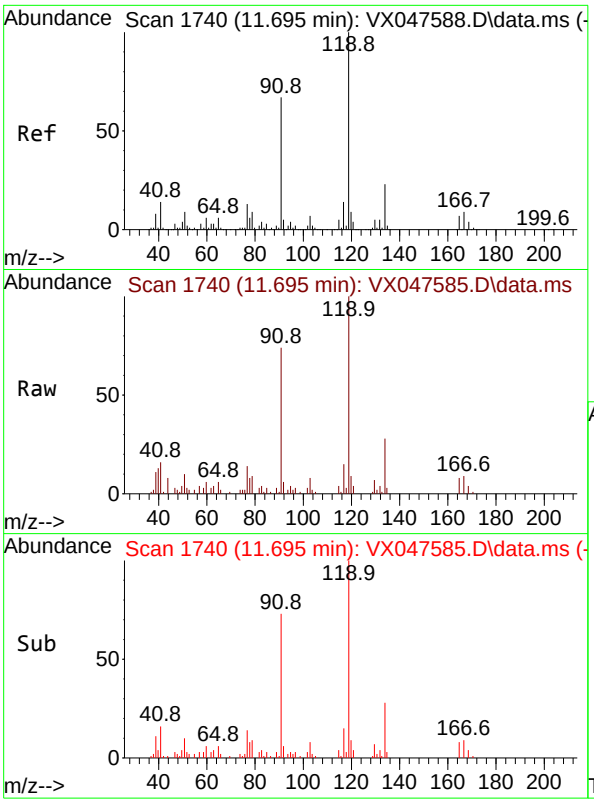




#82
4-Chlorotoluene
Concen: 0.847 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 91 Resp: 11123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 25.8 | 14.2 | 42.6 |



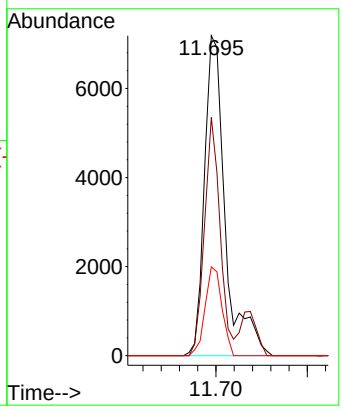


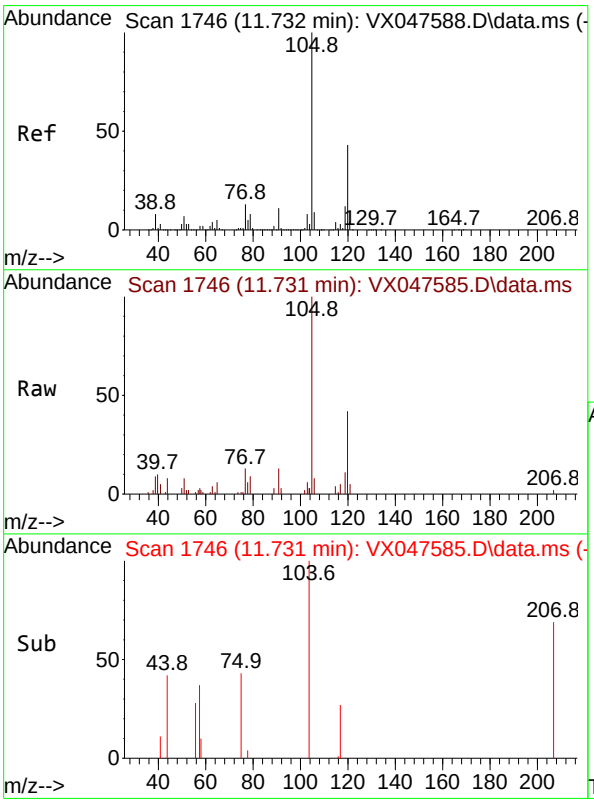

#83
tert-Butylbenzene
Concen: 0.876 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:119 Resp: 11311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 56.1 | 29.6 | 88.8 |
| 134 | 22.5 | 11.0 | 33.0 |

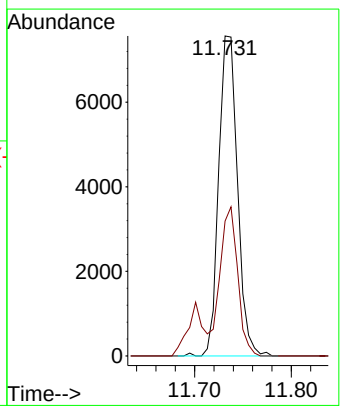


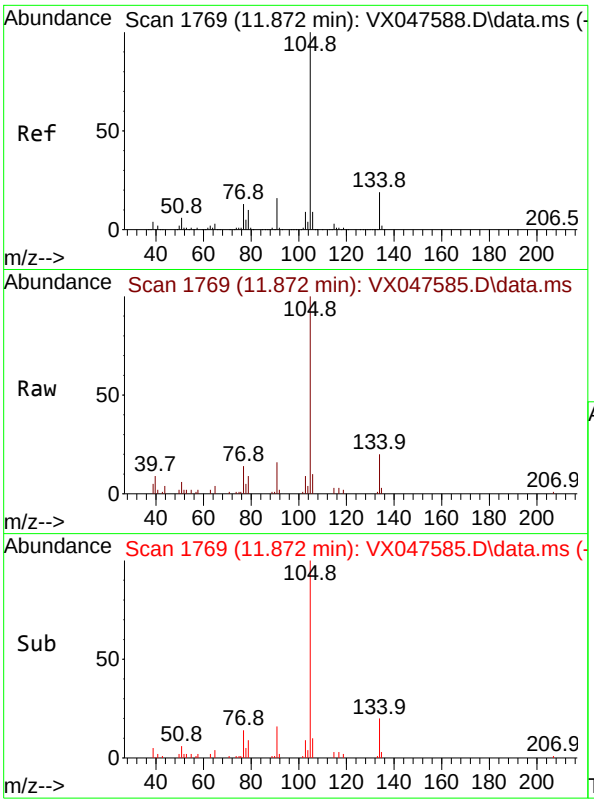




#84
1,2,4-Trimethylbenzene
Concen: 0.796 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:105 Resp: 10187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.2 | 22.1 | 66.1 |



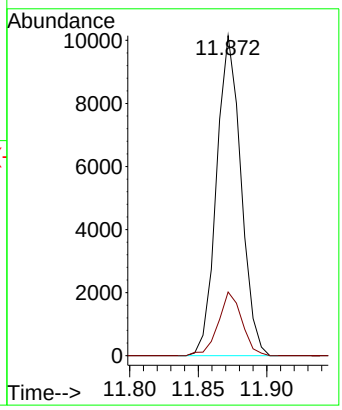


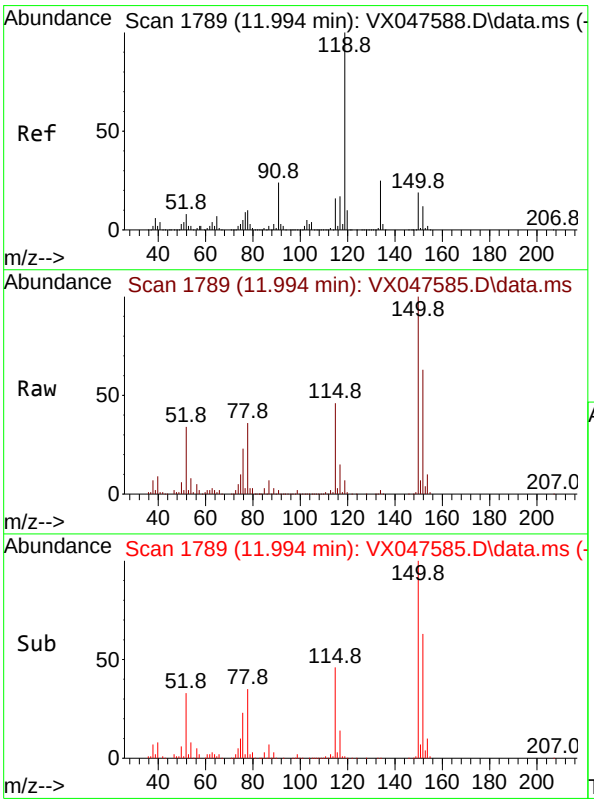

#85
sec-Butylbenzene
Concen: 0.819 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:105 Resp: 12561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.3 | 9.8 | 29.5 |

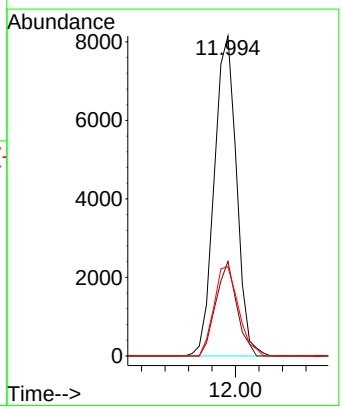


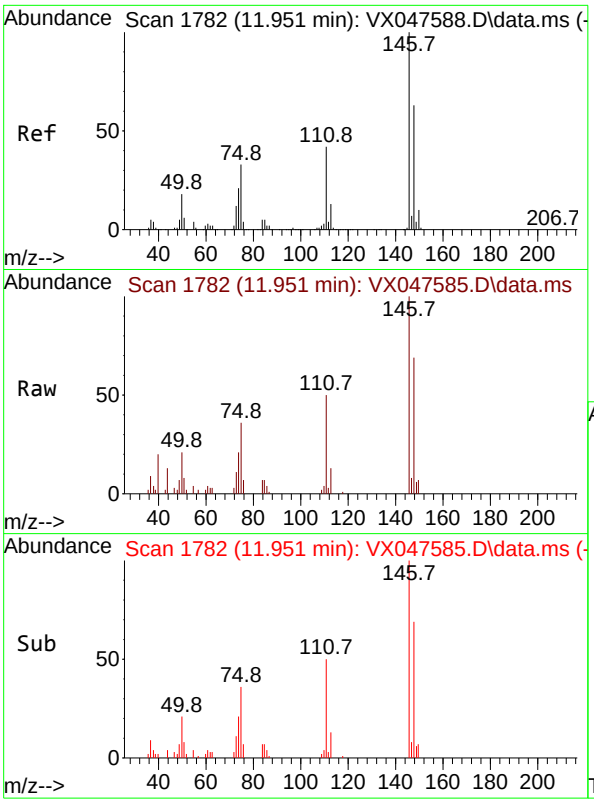




#86
p-Isopropyltoluene
Concen: 0.827 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:119 Resp: 10744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 27.9 | 12.6 | 37.8 |
| 91 | 30.8 | 12.6 | 37.6 |



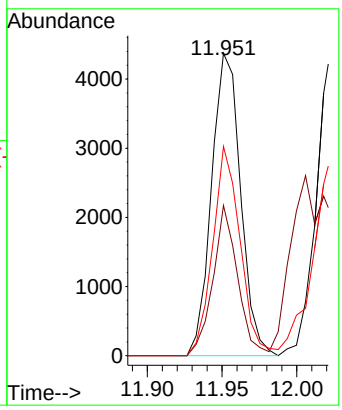


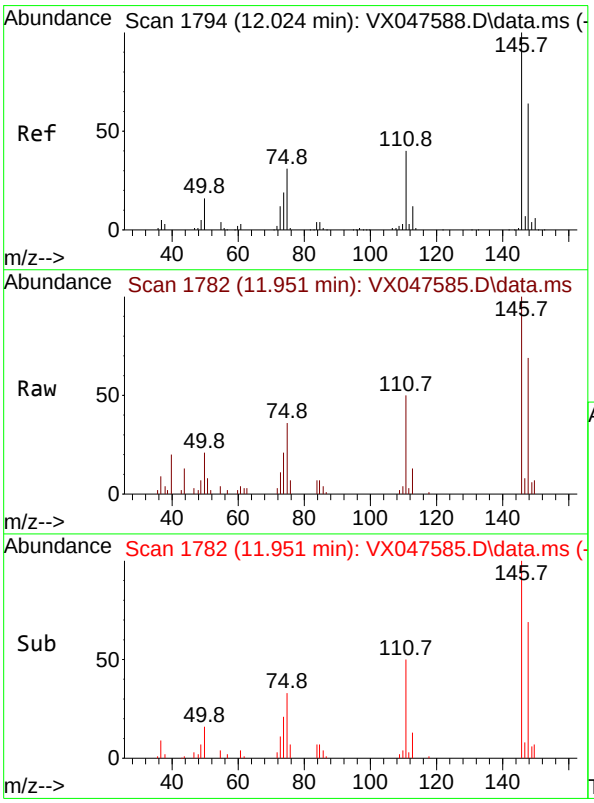

#87
1,3-Dichlorobenzene
Concen: 0.841 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:146 Resp: 5907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 65.5 | 32.0 | 96.0 |

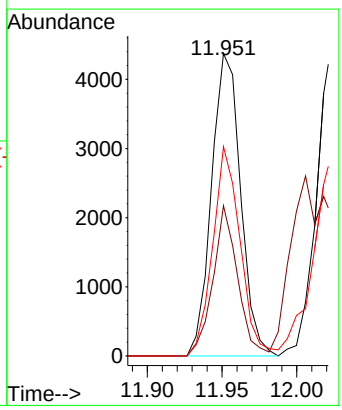


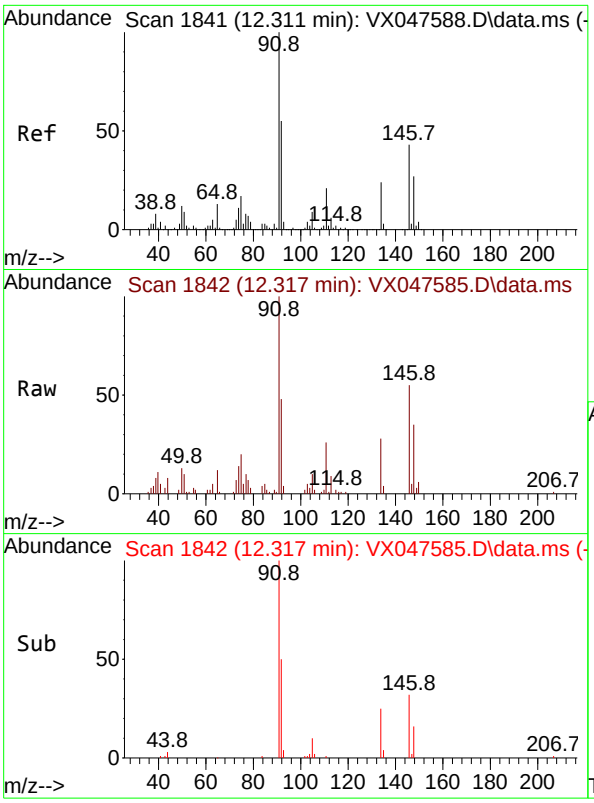




#88
1,4-Dichlorobenzene
Concen: 0.819 ug/l
RT: 11.951 min Scan# 1782
Delta R.T. -0.073 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:146 Resp: 5907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 20.8 | 62.4 |
| 148 | 65.5 | 31.7 | 95.1 |



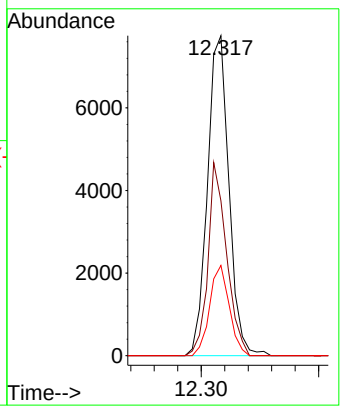


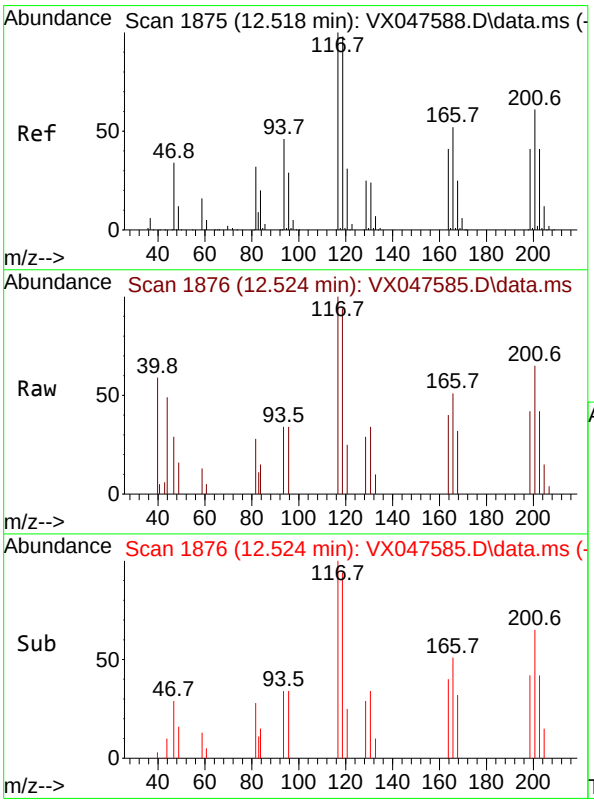

#89
n-Butylbenzene
Concen: 0.816 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion: 91 Resp: 9811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 52.4 | 27.6 | 82.7 |
| 134 | 25.9 | 12.6 | 37.8 |

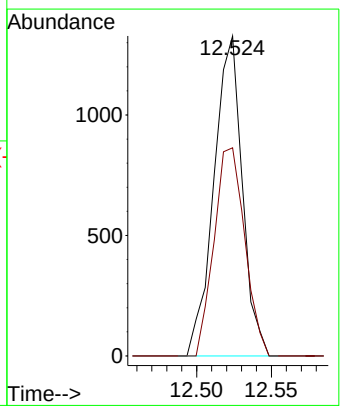


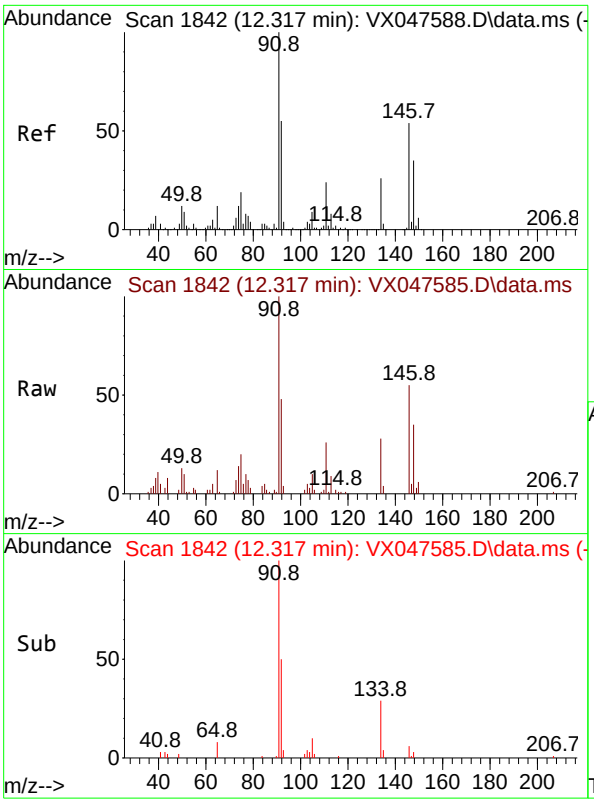




#90
Hexachloroethane
Concen: 0.768 ug/l
RT: 12.524 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:117 Resp: 1752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 70.4 | 34.2 | 102.5 |



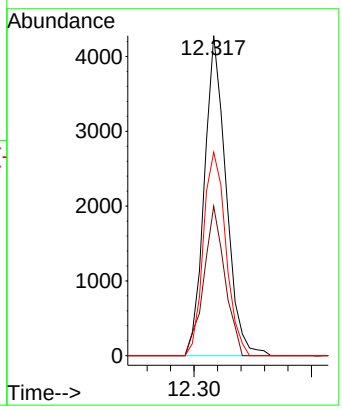


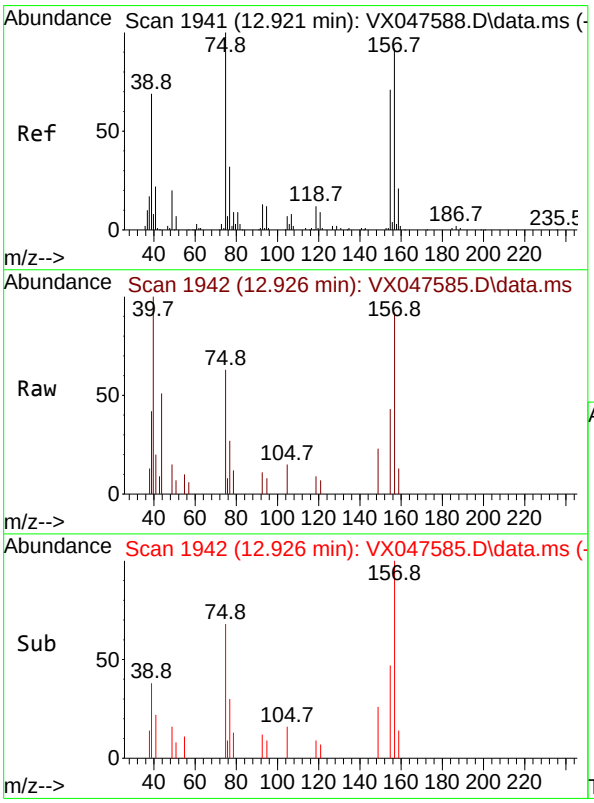

#91
1,2-Dichlorobenzene
Concen: 0.820 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:146 Resp: 5491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 45.2 | 22.2 | 66.6 |
| 148 | 65.8 | 31.8 | 95.4 |

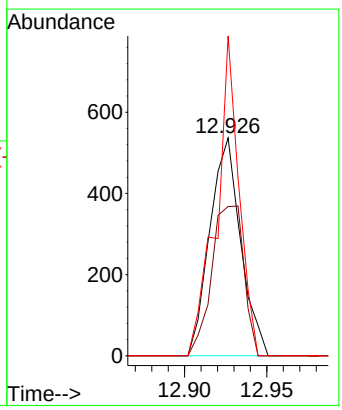


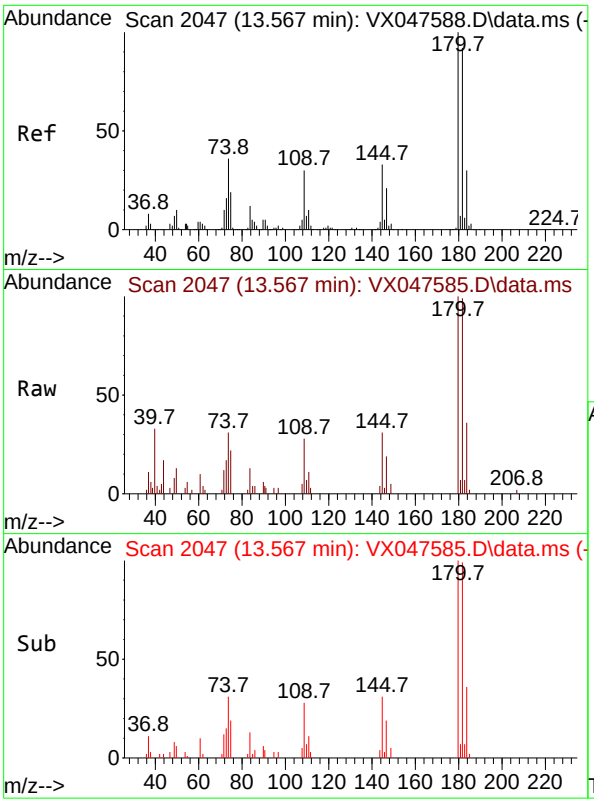




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.742 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion: 75 Resp: 698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 72.1 | 37.7 | 113.1 |
| 157 | 108.7 | 49.8 | 149.4 |



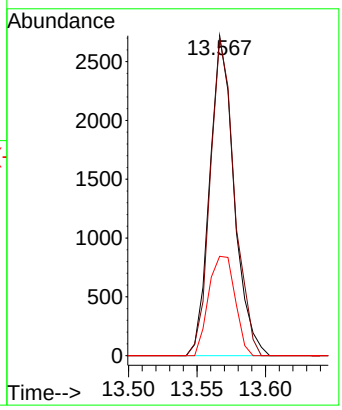


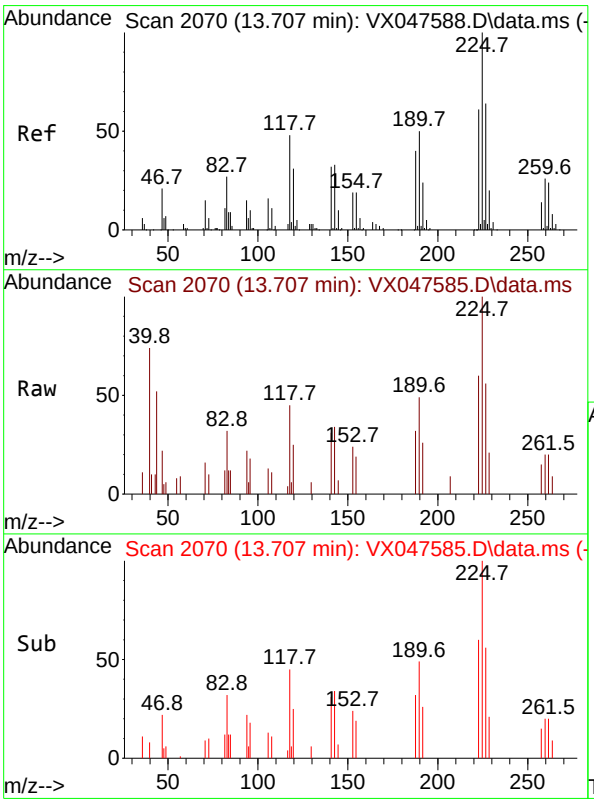

#93
1,2,4-Trichlorobenzene
Concen: 0.772 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:180 Resp: 3358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.6 | 46.6 | 139.8 |
| 145 | 33.7 | 16.4 | 49.1 |

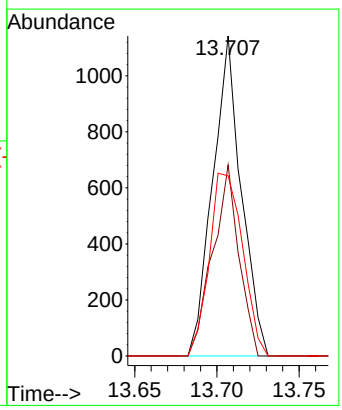


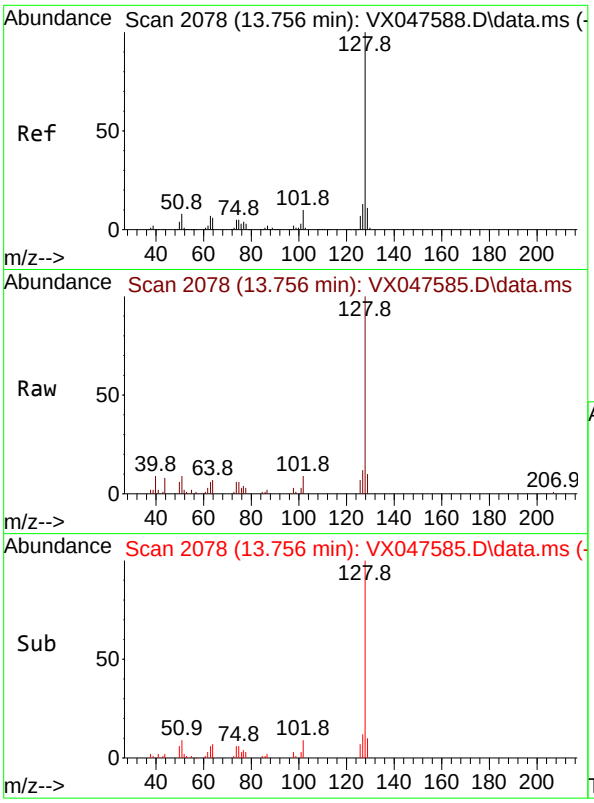




#94
Hexachlorobutadiene
Concen: 0.933 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:225 Resp: 1378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 54.8 | 31.7 | 95.1 |
| 227 | 66.7 | 32.0 | 96.0 |



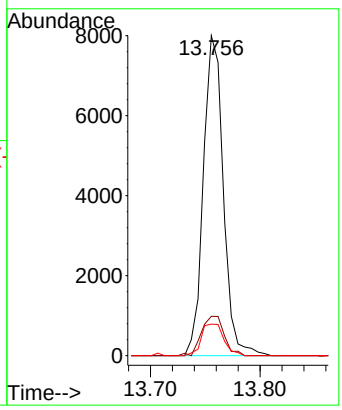


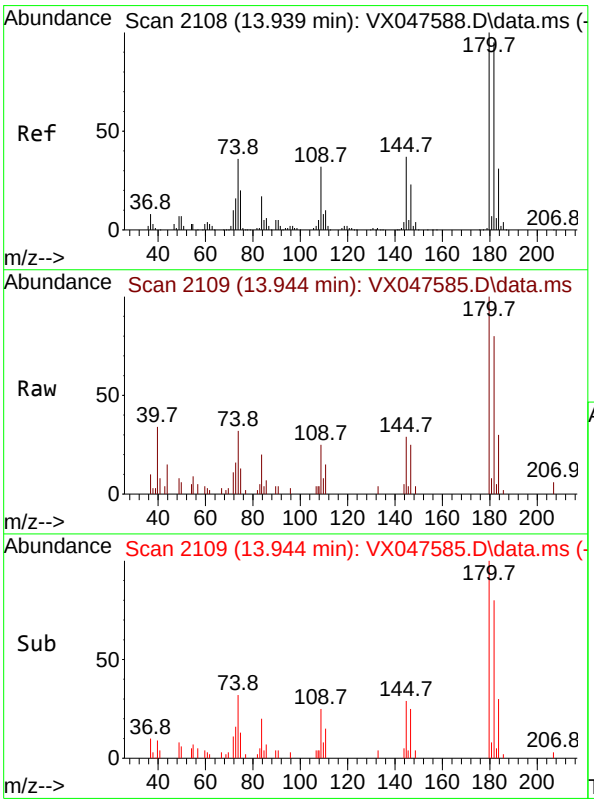

#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

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

Tgt Ion:128 Resp: 10112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 14.0 | 10.2 | 15.2 |
| 129 | 11.2 | 8.8 | 13.2 |

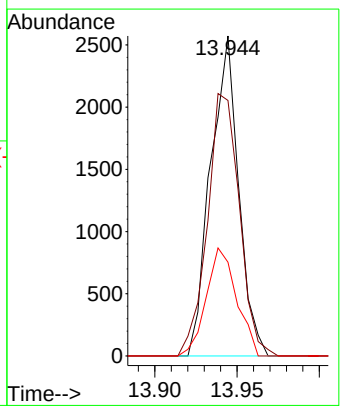



#96
1,2,3-Trichlorobenzene
Concen: 0.752 ug/l
RT: 13.944 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047585.D
Acq: 16 Sep 2025 09:23

Tgt Ion:180 Resp: 3043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 47.6 | 142.8 |
| 145 | 36.6 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 198376 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 355026 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 317288 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 156219 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 17538 | 5.554 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 11.100%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 12647 | 5.312 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 10.620%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 43926 | 5.332 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 10.660%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 16974 | 5.429 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 10.860%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 11403 | 5.551 | ug/l | 93 |
| 3) Chloromethane | 1.301 | 50 | 14854 | 5.502 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 14147 | 5.353 | ug/l | 97 |
| 5) Bromomethane | 1.618 | 94 | 9780 | 5.836 | ug/l | 87 |
| 6) Chloroethane | 1.697 | 64 | 8926 | 5.053 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 20497 | 5.223 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 8039 | 5.008 | ug/l | 93 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 11729 | 5.112 | ug/l | 98 |
| 10) Methyl Iodide | 2.453 | 142 | 17159 | 4.795 | ug/l | 98 |
| 11) Tert butyl alcohol | 2.947 | 59 | 8399 | 23.883 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 12131 | 5.147 | ug/l | 91 |
| 13) Acrolein | 2.239 | 56 | 7080 | 21.847 | ug/l | 95 |
| 14) Allyl chloride | 2.666 | 41 | 25135 | 5.168 | ug/l | 99 |
| 15) Acrylonitrile | 3.062 | 53 | 32587 | 25.016 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 41297 | 30.079 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 34426 | 5.335 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 13357 | 4.371 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 44396 | 5.160 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 15307 | 5.267 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 13937 | 5.492 | ug/l | 97 |
| 22) Diisopropyl ether | 3.757 | 45 | 50213 | 5.327 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 192175 | 25.474 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 26292 | 5.248 | ug/l | 97 |
| 25) 2-Butanone | 4.544 | 43 | 46651 | 27.240 | ug/l | 92 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 21738 | 5.220 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 15996 | 5.147 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 12047 | 5.508 | ug/l | 95 |
| 29) Tetrahydrofuran | 4.995 | 42 | 26729 | 25.944 | ug/l | 92 |
| 30) Chloroform | 5.080 | 83 | 27054 | 5.344 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 23032 | 5.520 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 22279 | 5.188 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 18455 | 5.304 | ug/l | 98 |
| 37) Ethyl Acetate | 4.708 | 43 | 19913 | 5.345 | ug/l # | 97 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 20376 | 5.390 | ug/l | 96 |
| 39) Methylcyclohexane | 7.367 | 83 | 20900 | 5.292 | ug/l | 97 |
| 40) Benzene | 6.019 | 78 | 55996 | 5.299 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 9390 | 4.883 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 21117 | 5.252 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 31304 | 5.124 | ug/l | | 99 |
| 44) Trichloroethene | 7.111 | 130 | 13576 | 5.314 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 14305 | 5.287 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 10133 | 5.146 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.806 | 83 | 21270 | 5.235 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.677 | 41 | 14959 | 4.915 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.653 | 88 | 3017 | 98.096 | ug/l | # | 90 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 87492 | 25.828 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 34314 | 5.271 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 20863 | 5.034 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 23157 | 5.227 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 12968 | 5.166 | ug/l | | 91 |
| 56) Ethyl methacrylate | 9.104 | 69 | 19980 | 5.068 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 22989 | 5.331 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 37585 | 27.899 | ug/l | | 98 |
| 59) 2-Hexanone | 9.415 | 43 | 66356 | 27.275 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 14705 | 5.084 | ug/l | | 95 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 13461 | 5.264 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.256 | 164 | 11228 | 5.428 | ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 37507 | 5.203 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 12807 | 5.149 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 65908 | 5.299 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 49132 | 10.613 | ug/l | | 99 |
| 69) o-Xylene | 10.628 | 106 | 23300 | 5.204 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 40872 | 5.210 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 9298 | 5.006 | ug/l | # | 97 |
| 73) Isopropylbenzene | 10.945 | 105 | 61029 | 5.139 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 26969 | 4.980 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 18462 | 5.138 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 18494 | 5.847 | ug/l | | 96 |
| 77) Bromobenzene | 11.183 | 156 | 15066 | 5.150 | ug/l | | 99 |
| 78) n-propylbenzene | 11.287 | 91 | 72900 | 5.192 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 44663 | 5.194 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 50535 | 5.179 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 5413 | 4.364 | ug/l | | 91 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 52294 | 5.149 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 50350 | 5.041 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 51583 | 5.214 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 62507 | 5.268 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 52674 | 5.244 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 28116 | 5.175 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 29519 | 5.294 | ug/l | | 93 |
| 89) n-Butylbenzene | 12.317 | 91 | 47953 | 5.159 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 8830 | 5.007 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 26409 | 5.102 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 3412 | 4.690 | ug/l | | 99 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 17167 | 5.103 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 5894 | 5.158 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 49257 | 4.808 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 15400 | 4.921 | ug/l | | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

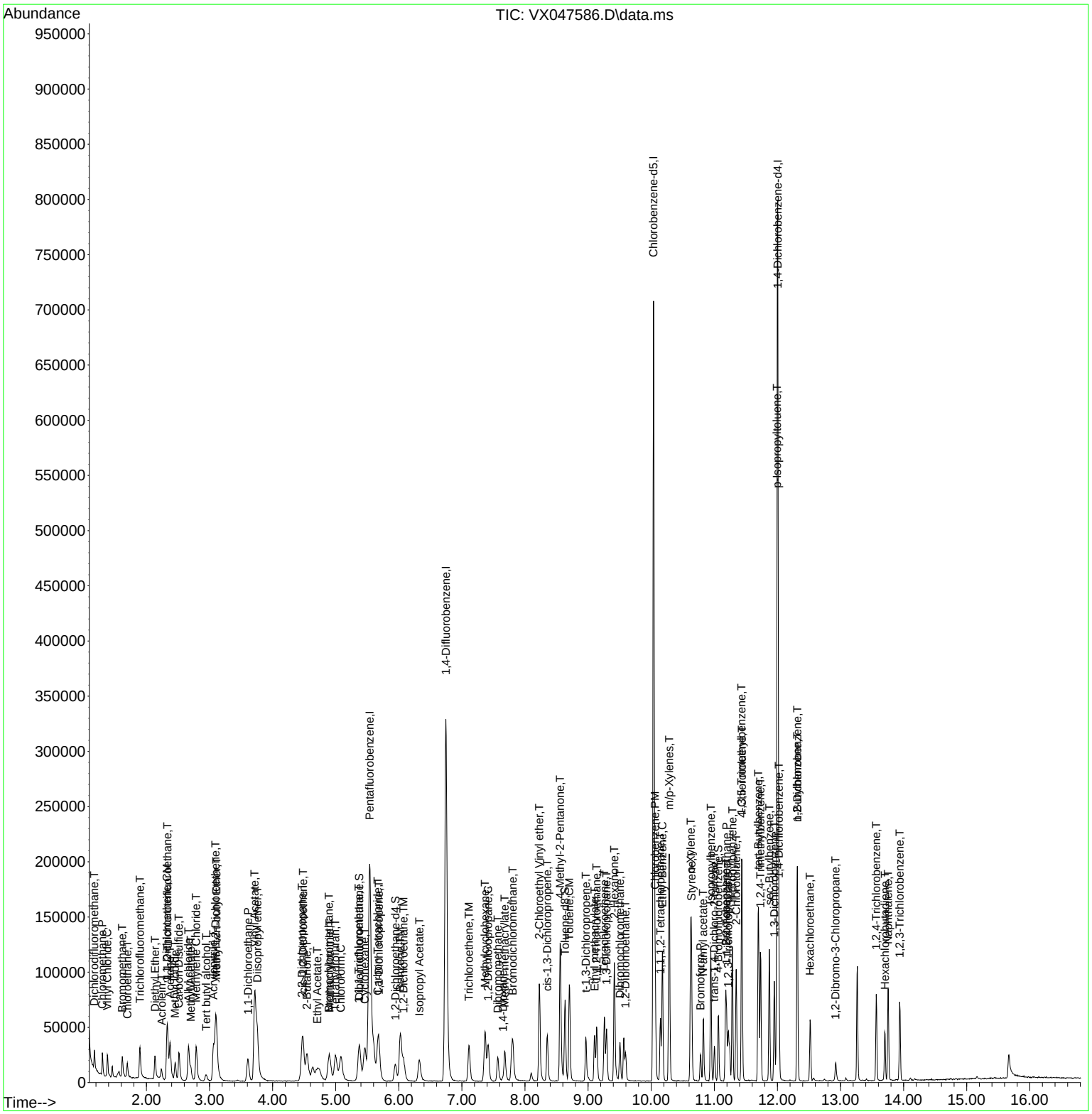
(#) = qualifier out of range (m) = manual integration (+) = signals summed

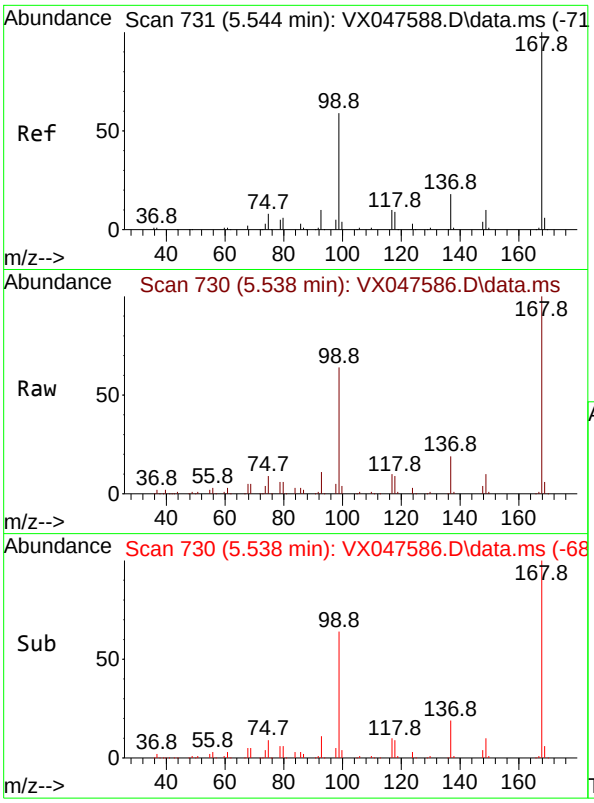
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Sep 22 01:48:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



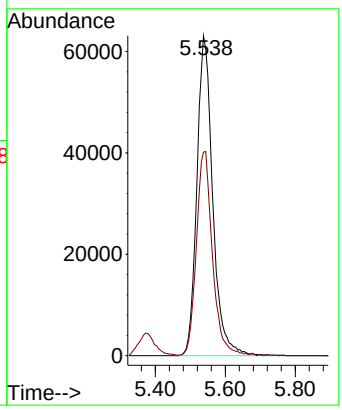


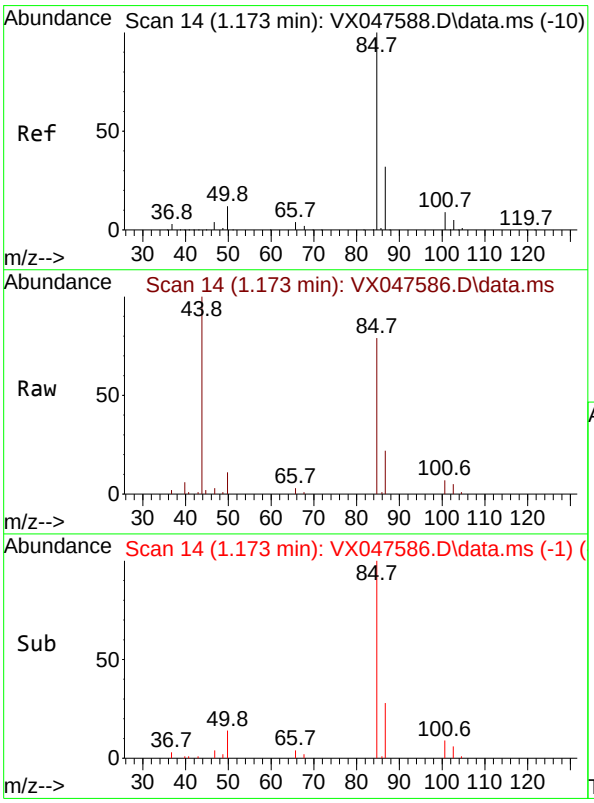

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:168 Resp: 198376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.5 | 48.8 | 73.2 |

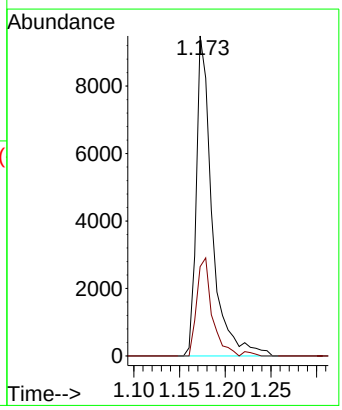


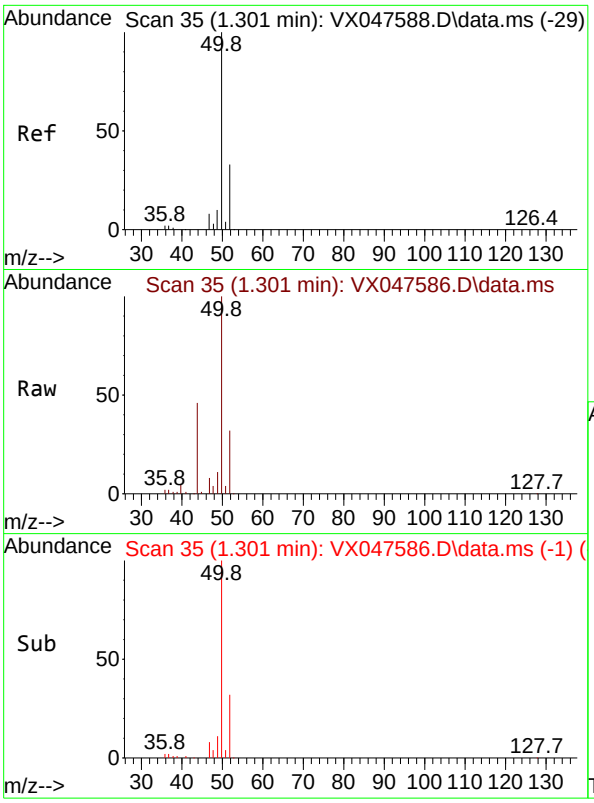




#2
Dichlorodifluoromethane
Concen: 5.551 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 85 Resp: 11403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 27.9 | 15.8 | 47.3 |



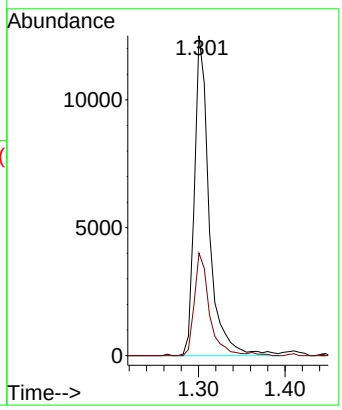


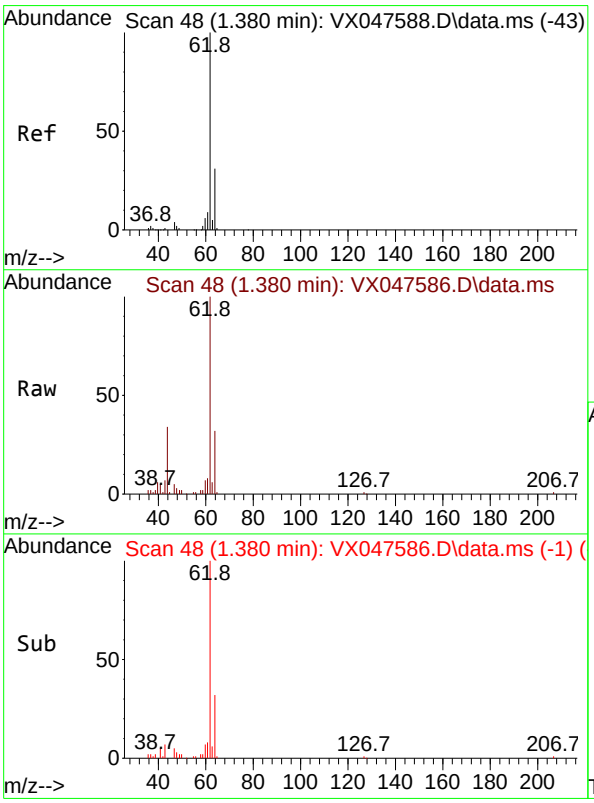

#3
Chloromethane
Concen: 5.502 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 50 Resp: 14854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.0 | 26.1 | 39.1 |

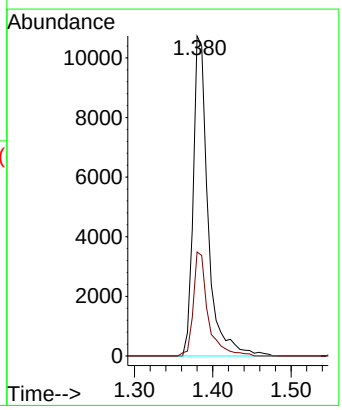


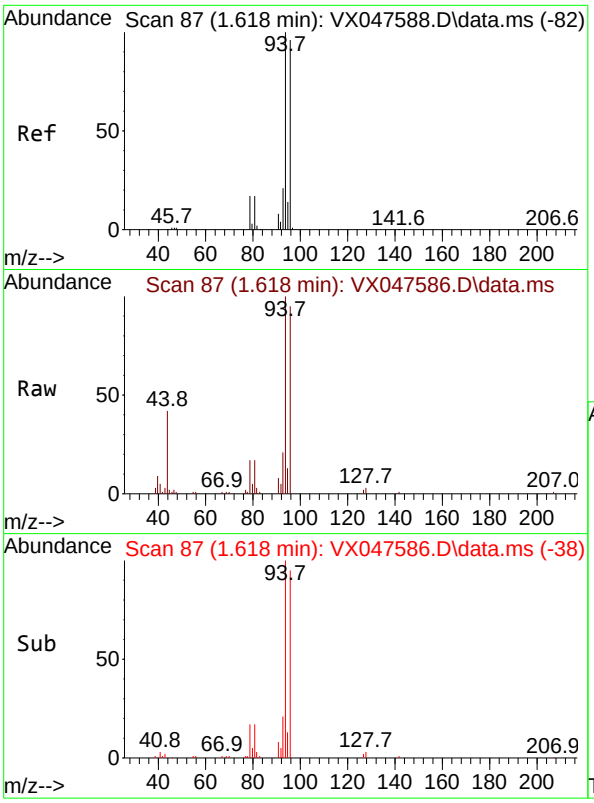




#4
Vinyl Chloride
Concen: 5.353 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 14147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 24.9 | 37.3 |



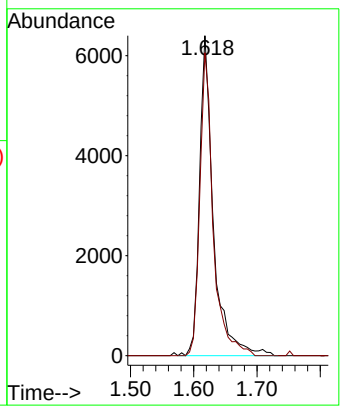


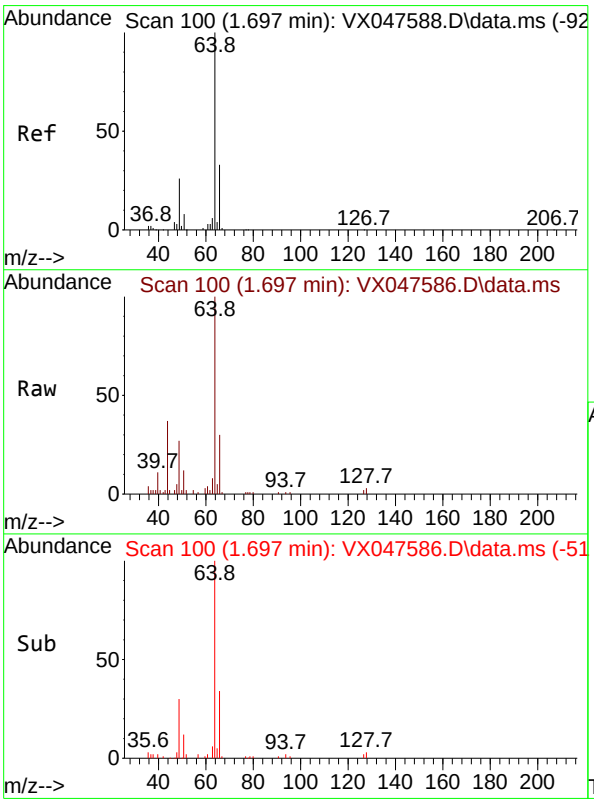

#5
Bromomethane
Concen: 5.836 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 94 Resp: 9780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 83.6 | 76.6 | 115.0 |

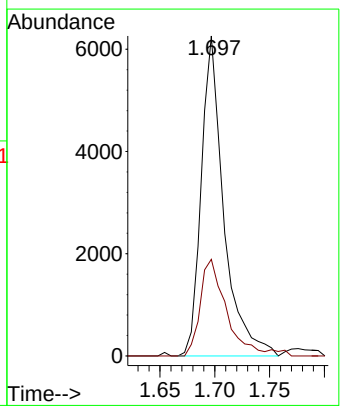


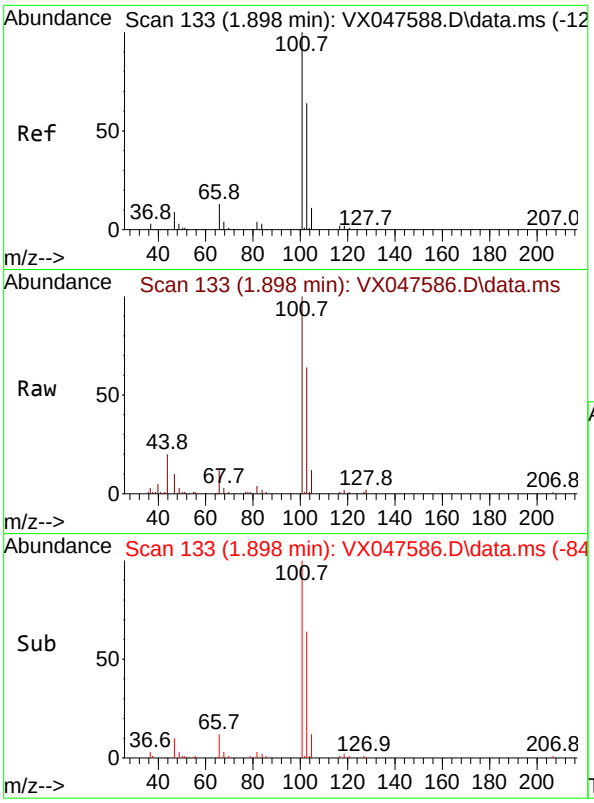




#6
Chloroethane
Concen: 5.053 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 64 Resp: 8926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 30.2 | 26.1 | 39.1 |



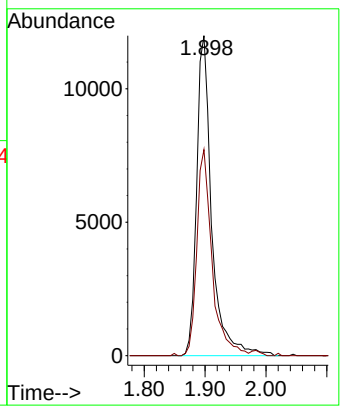


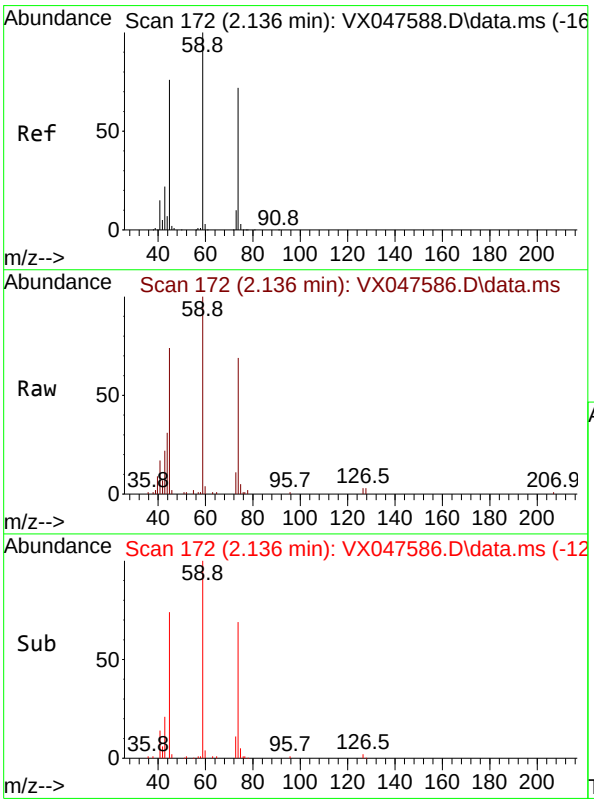

#7
Trichlorofluoromethane
Concen: 5.223 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 20497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 51.4 | 77.2 |

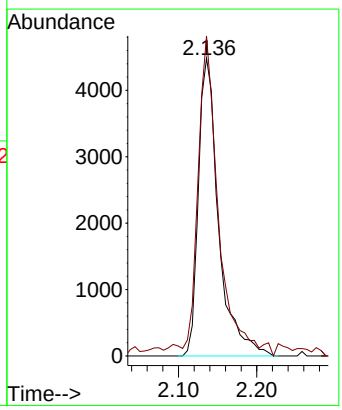


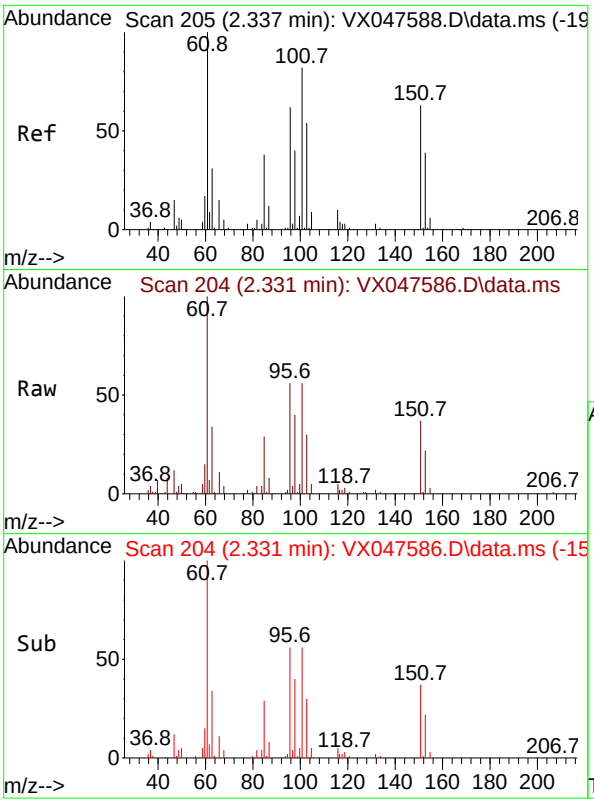




#8
Diethyl Ether
Concen: 5.008 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 74 Resp: 8039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 111.7 | 52.3 | 156.8 |



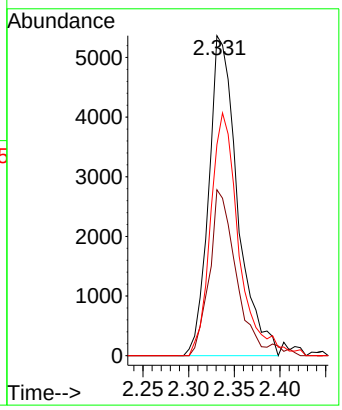


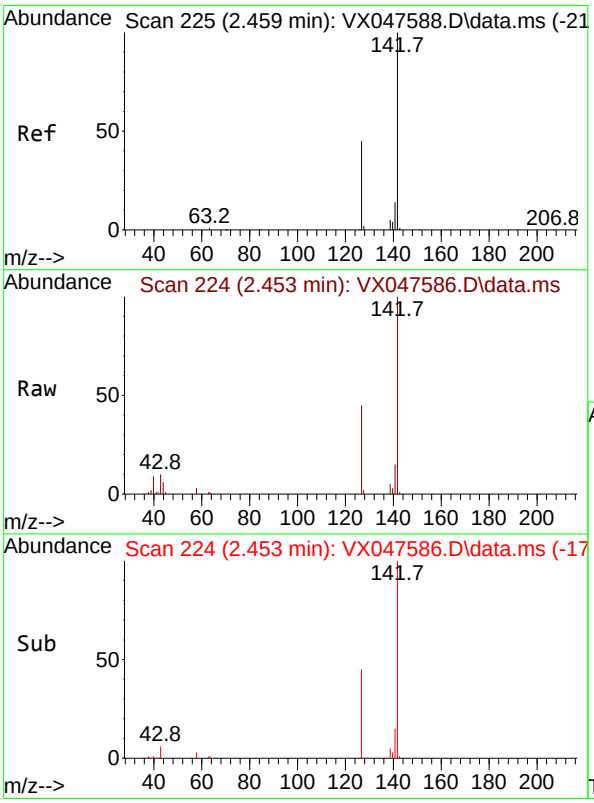

#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.112 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:101 Resp: 11729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 47.5 | 35.5 | 53.3 |
| 151 | 75.0 | 59.4 | 89.0 |

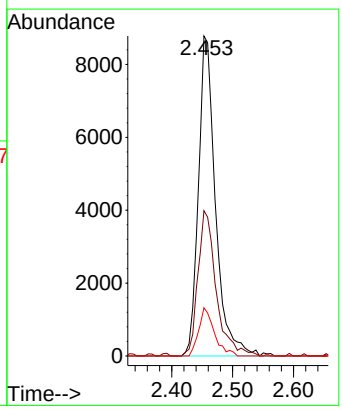


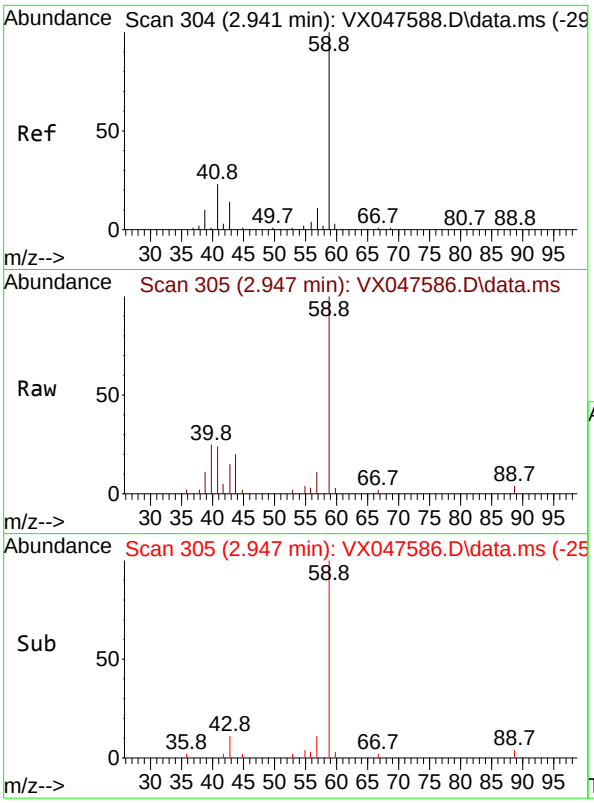




#10
Methyl Iodide
Concen: 4.795 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:142 Resp: 17159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 48.4 | 37.2 | 55.8 |
| 141 | 13.8 | 11.4 | 17.0 |



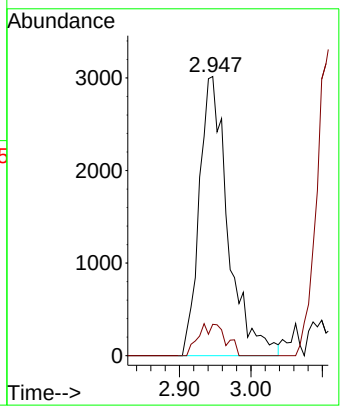


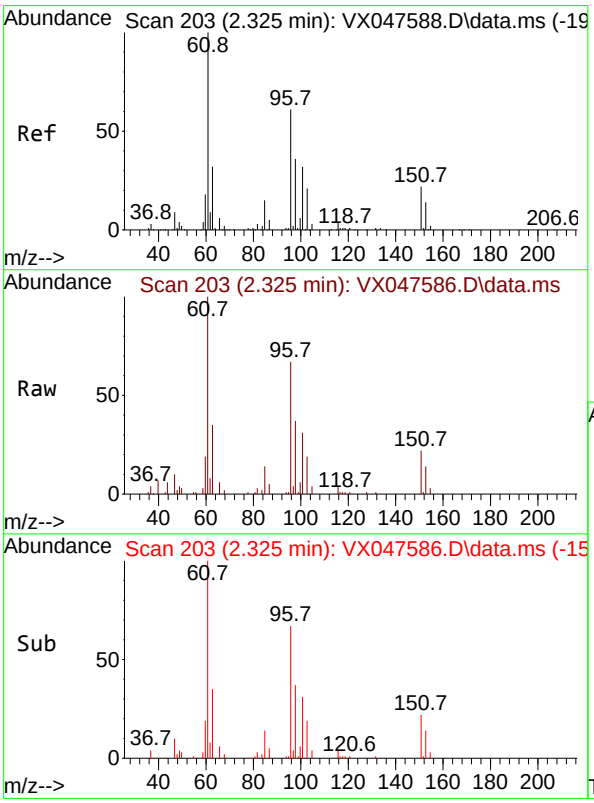

#11
Tert butyl alcohol
Concen: 23.883 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 59 Resp: 8399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.8 | 8.3 | 12.5 |

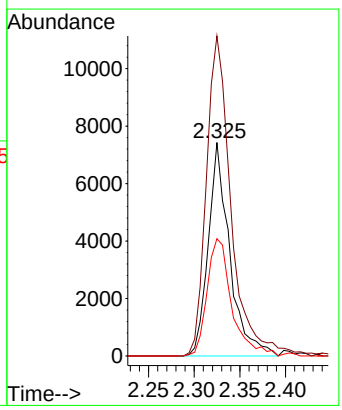


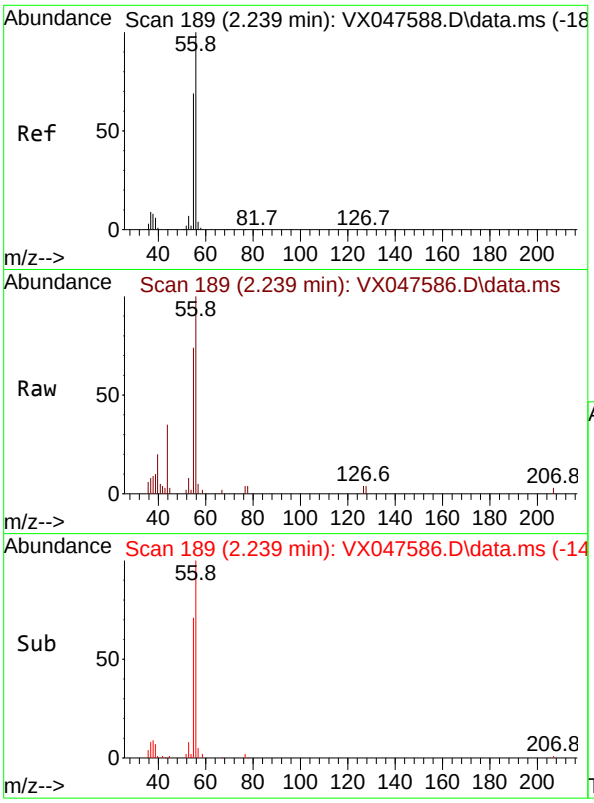




#12
1,1-Dichloroethene
Concen: 5.147 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 96 Resp: 12131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.9 | 131.0 | 196.6 |
| 98 | 54.9 | 47.7 | 71.5 |



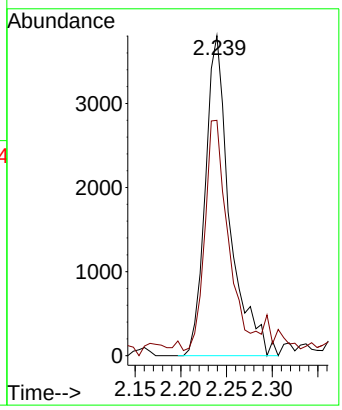


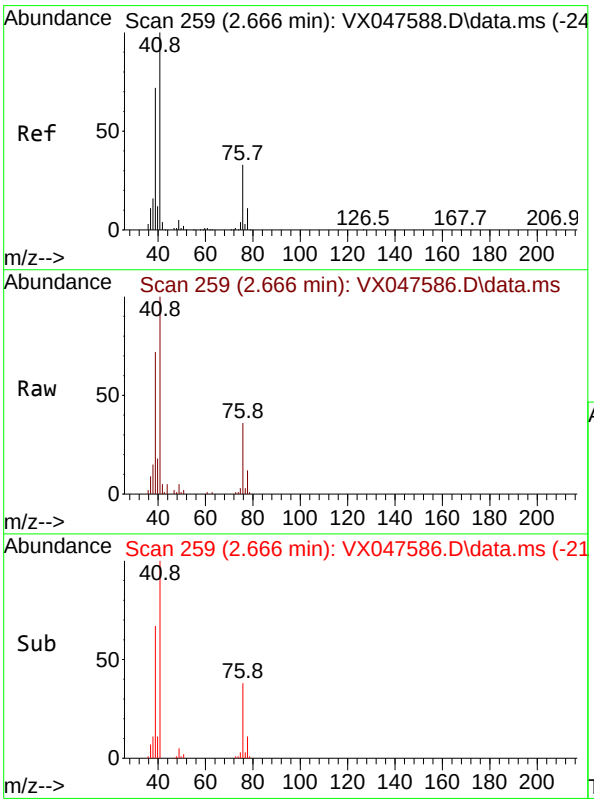

#13
Acrolein
Concen: 21.847 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 7080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 67.1 | 57.2 | 85.8 |

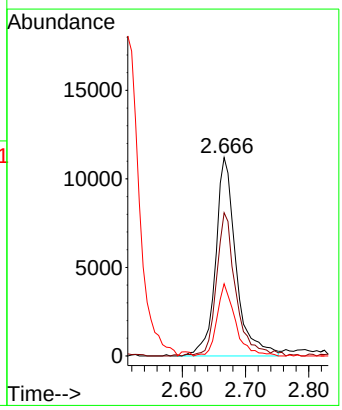


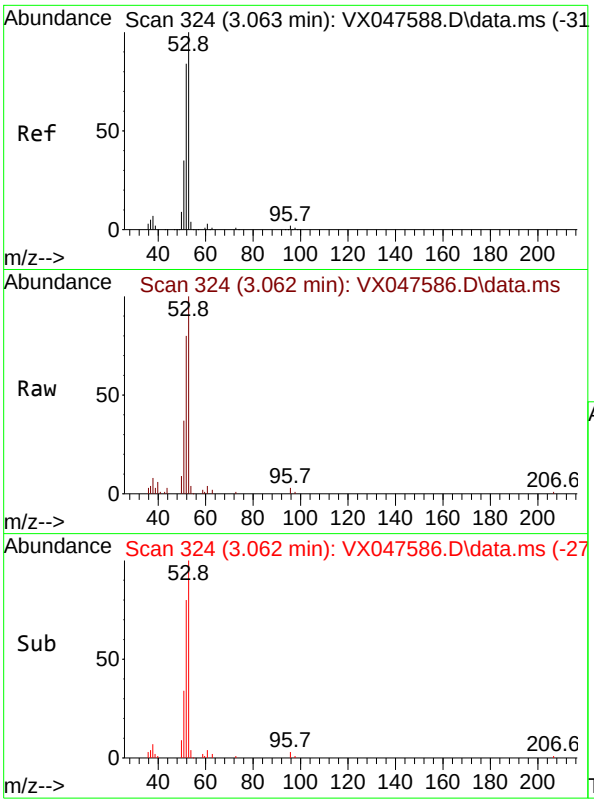




#14
Allyl chloride
Concen: 5.168 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 25135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 69.1 | 54.7 | 82.1 |
| 76 | 32.4 | 25.7 | 38.5 |



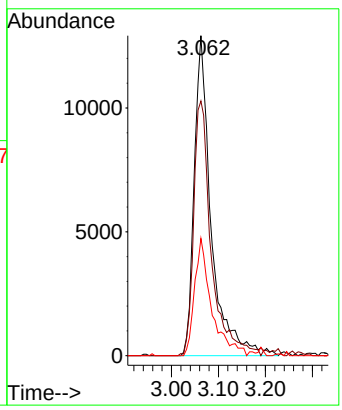


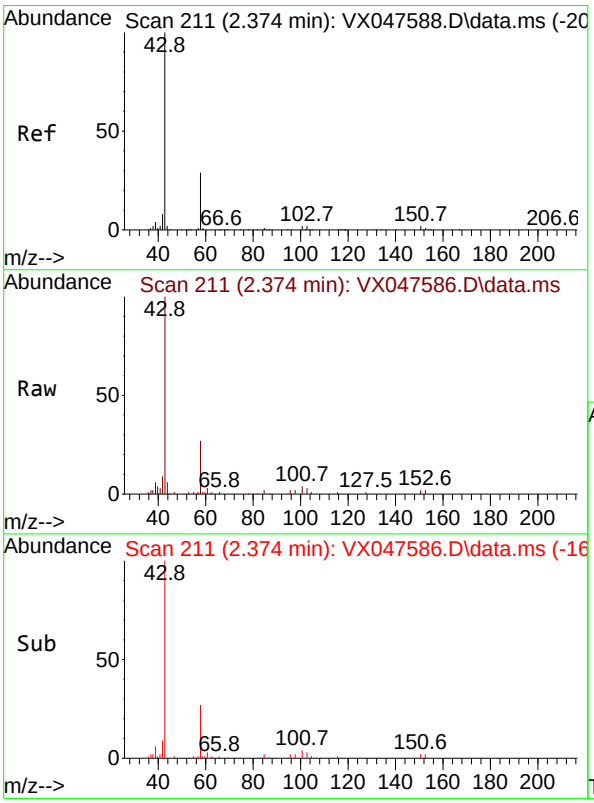

#15
Acrylonitrile
Concen: 25.016 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 53 Resp: 32587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 66.4 | 99.6 |
| 51 | 36.5 | 29.5 | 44.3 |

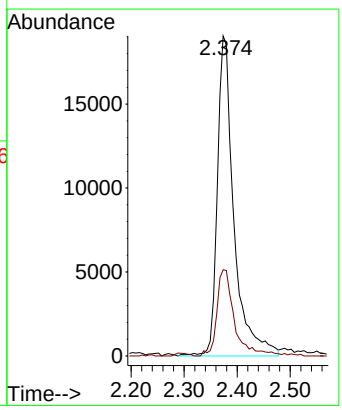


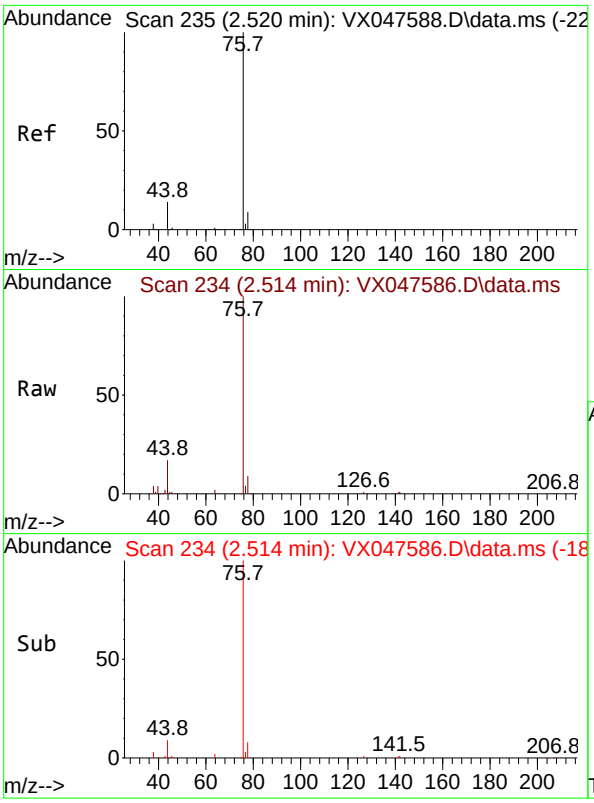




#16
Acetone
Concen: 30.079 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 41297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 27.6 | 23.4 | 35.0 |



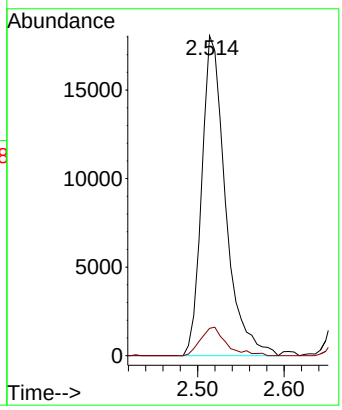


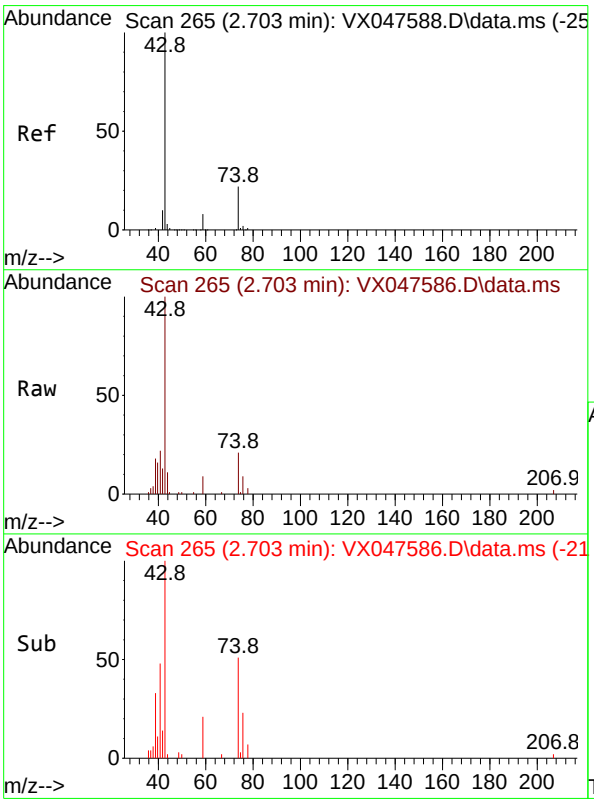

#17
Carbon Disulfide
Concen: 5.335 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 34426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.6 | 6.8 | 10.2 |

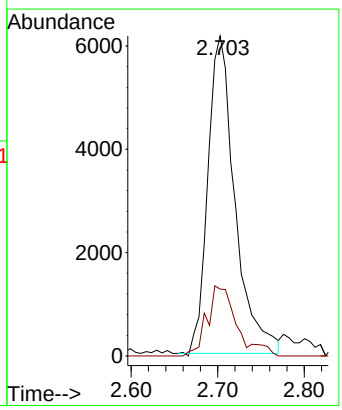


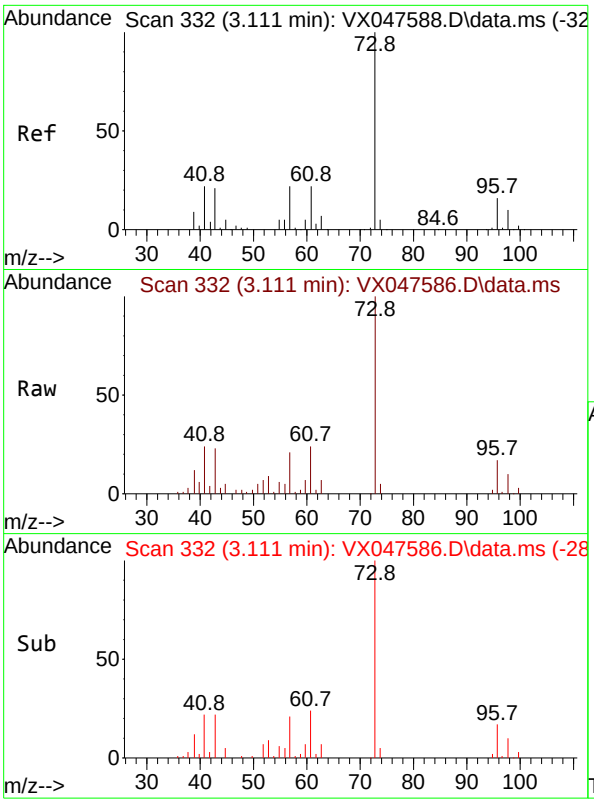




#18
Methyl Acetate
Concen: 4.371 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 13357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.9 | 17.4 | 26.2 |



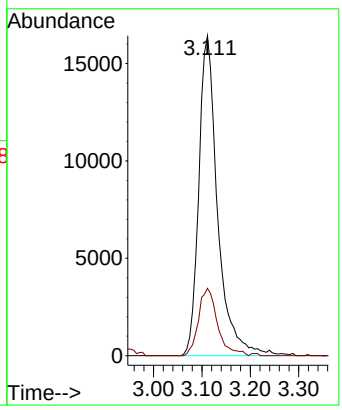


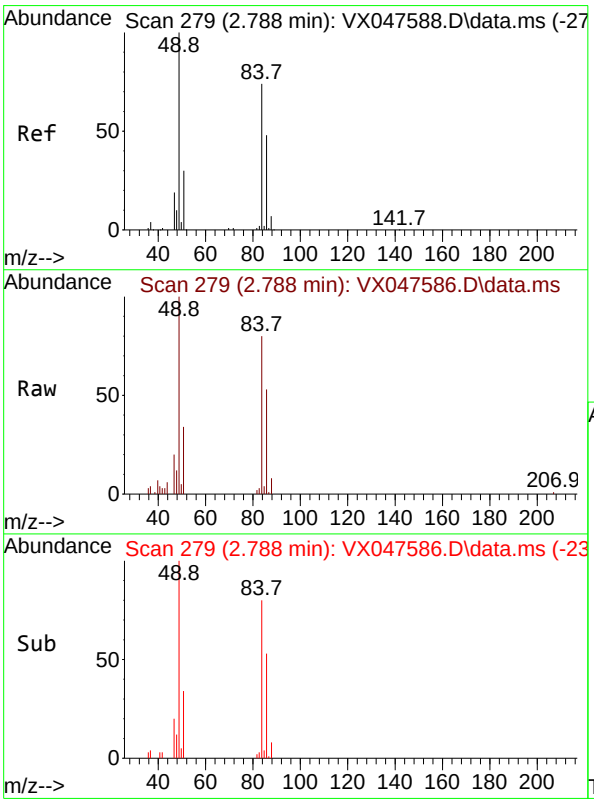

#19
Methyl tert-butyl Ether
Concen: 5.160 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 73 Resp: 44396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.0 | 17.4 | 26.2 |

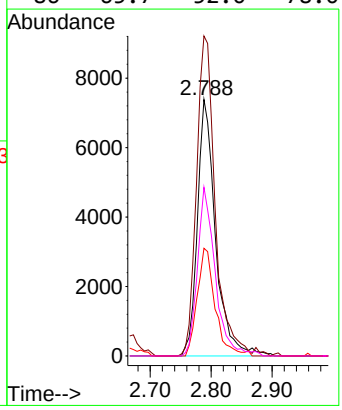


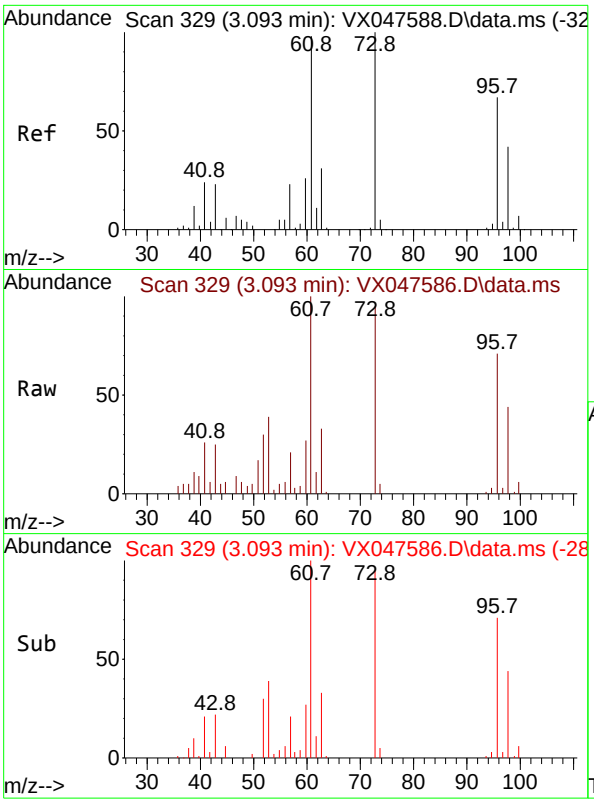




#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 84 Resp: 15307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.7 | 108.6 | 162.8 |
| 51 | 42.0 | 32.6 | 48.8 |
| 86 | 65.7 | 52.0 | 78.0 |



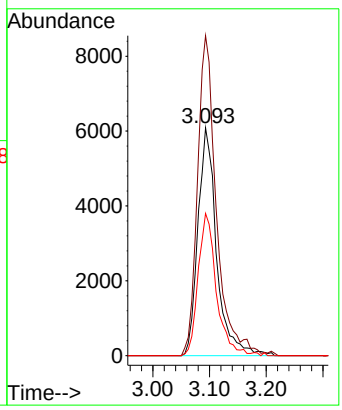


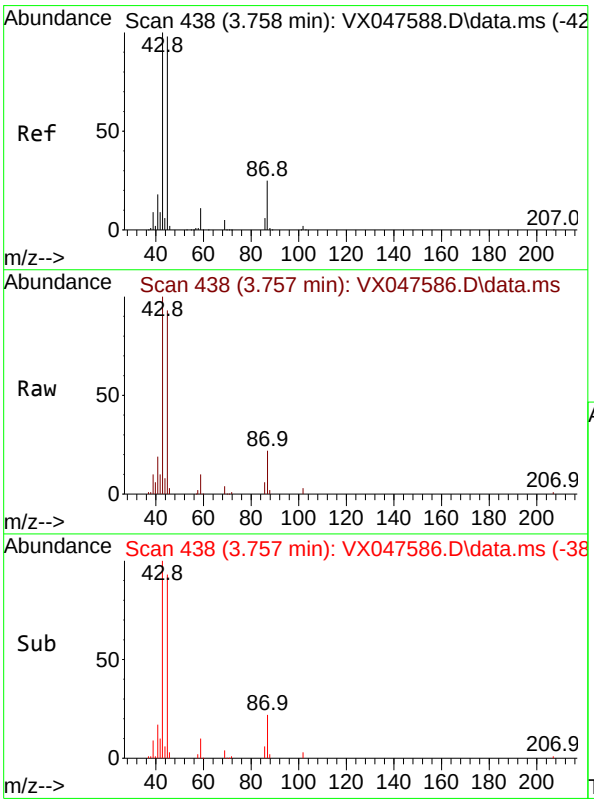

#21
trans-1,2-Dichloroethene
Concen: 5.492 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 13937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.4 | 116.2 | 174.2 |
| 98 | 62.4 | 49.3 | 73.9 |

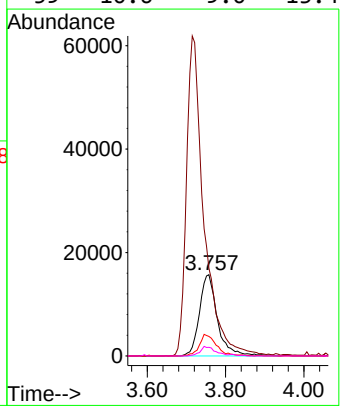


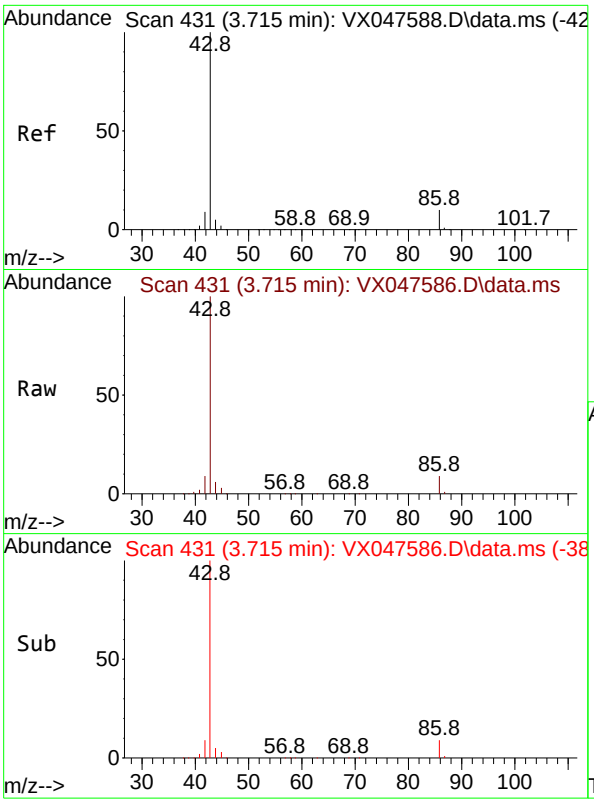




#22
Diisopropyl ether
Concen: 5.327 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 45 Resp: 50213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 102.8 | 81.0 | 121.4 |
| 87 | 23.3 | 20.3 | 30.5 |
| 59 | 10.6 | 9.0 | 13.4 |



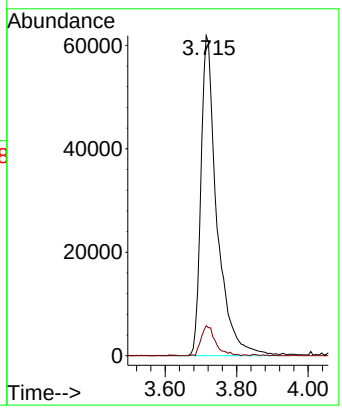


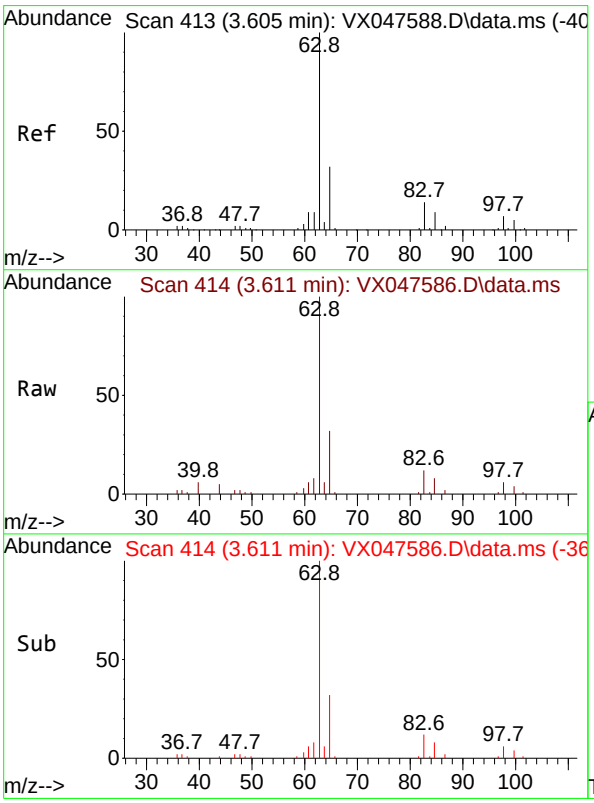

#23
Vinyl Acetate
Concen: 25.474 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 192175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.4 | 7.8 | 11.8 |

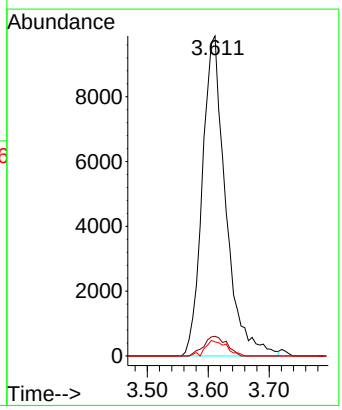


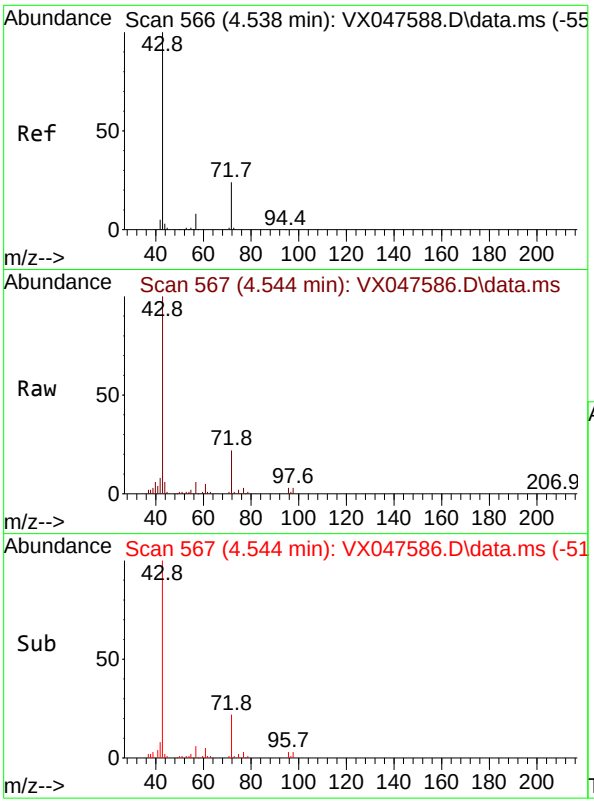




#24
1,1-Dichloroethane
Concen: 5.248 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 26292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.2 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |



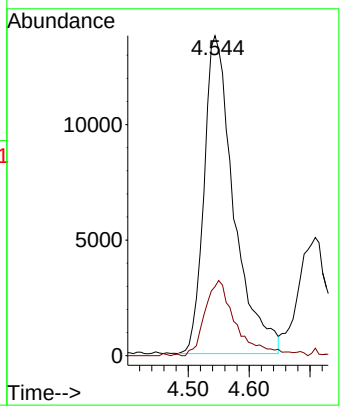


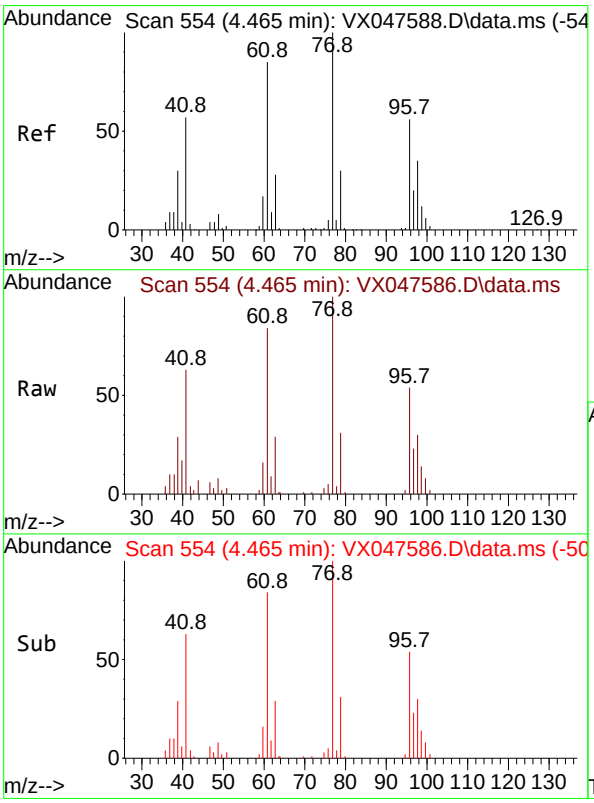

#25
2-Butanone
Concen: 27.240 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 46651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 21.3 | 20.1 | 30.1 |

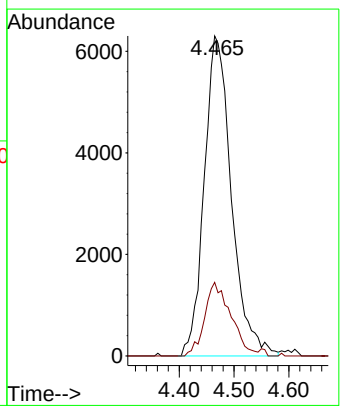


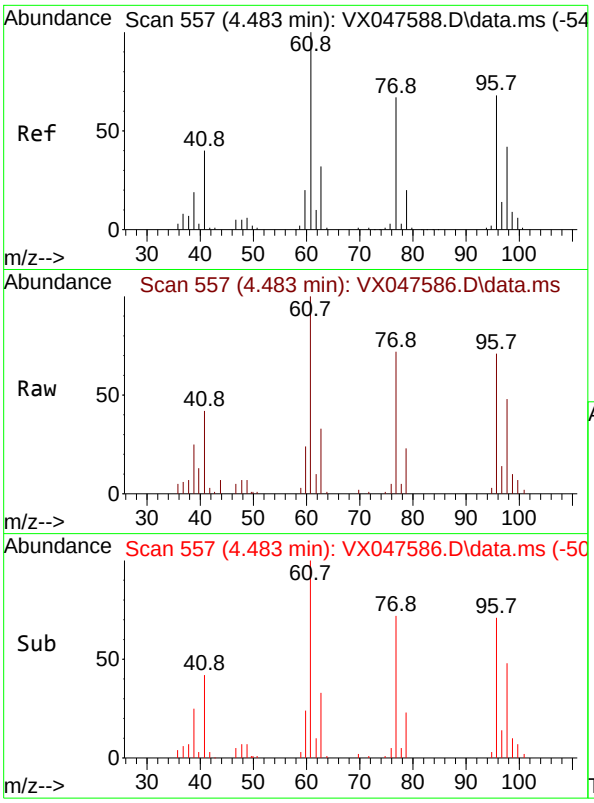




#26
2,2-Dichloropropane
Concen: 5.220 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 77 Resp: 21738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |



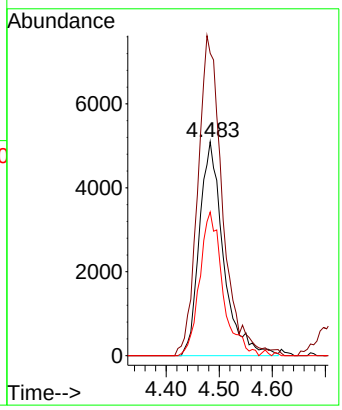


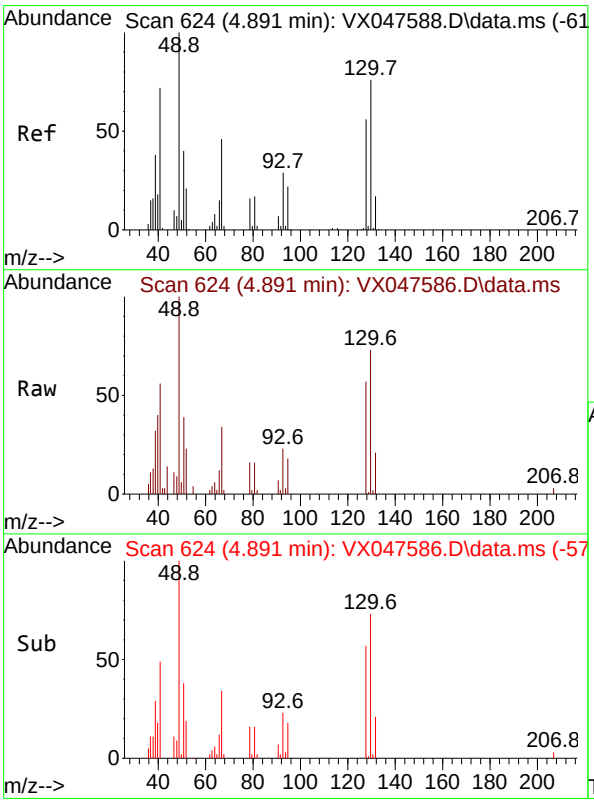

#27
cis-1,2-Dichloroethene
Concen: 5.147 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 96 Resp: 15996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.4 | 0.0 | 303.2 |
| 98 | 64.8 | 0.0 | 127.8 |

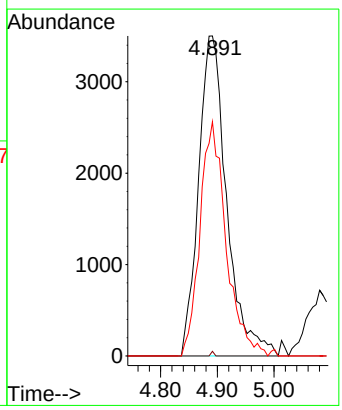


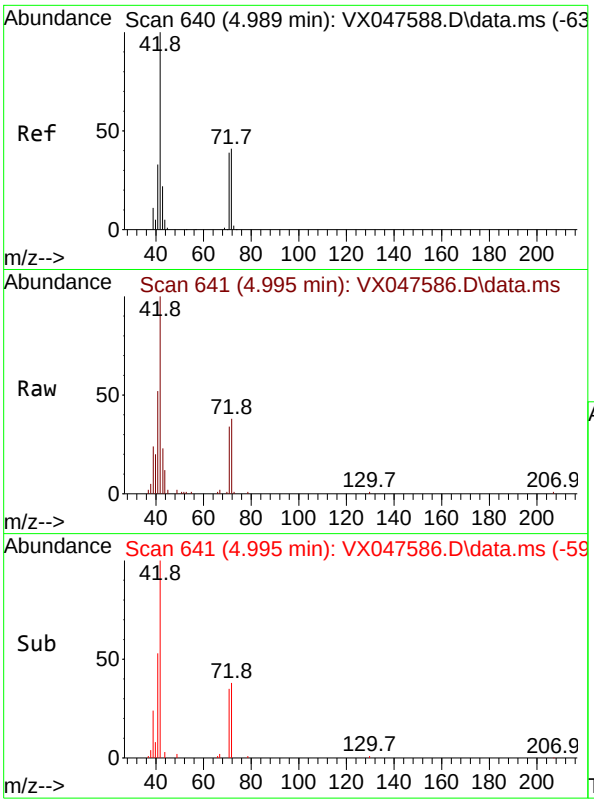




#28
Bromochloromethane
Concen: 5.508 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 49 Resp: 12047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.2 | 0.0 | 3.2 |
| 130 | 68.0 | 57.8 | 86.8 |



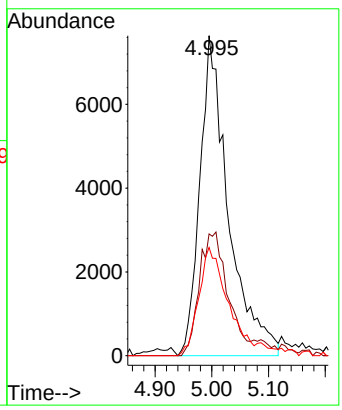


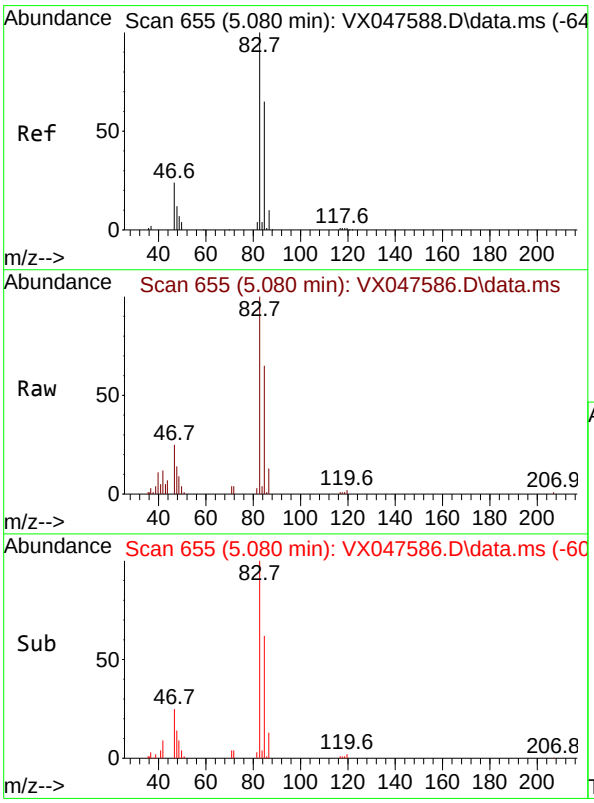

#29
Tetrahydrofuran
Concen: 25.944 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 42 Resp: 26729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 38.7 | 34.2 | 51.2 |
| 71 | 34.1 | 31.9 | 47.9 |

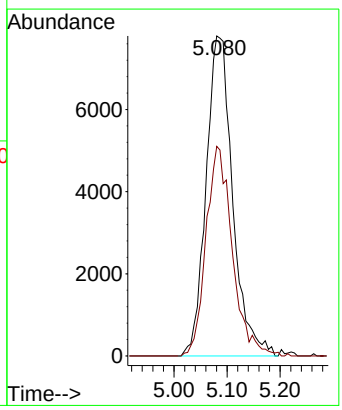


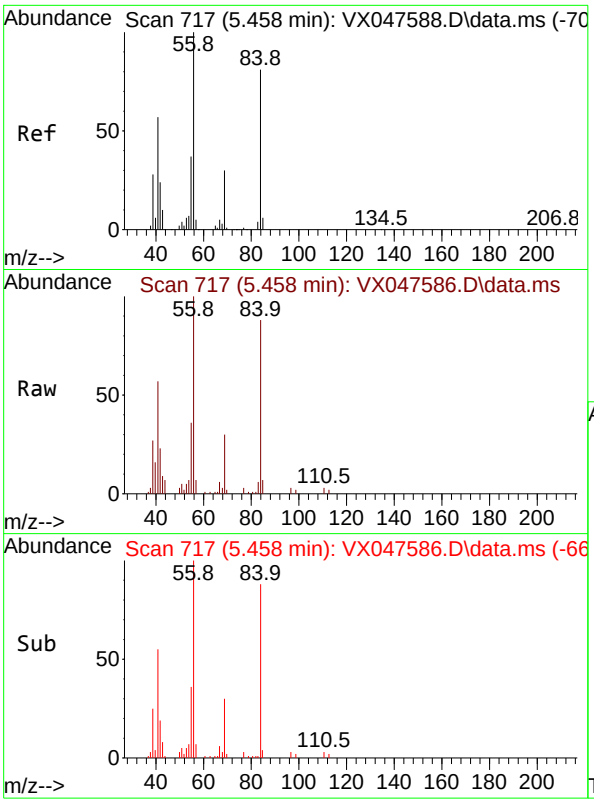




#30
Chloroform
Concen: 5.344 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 83 Resp: 27054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.5 | 51.8 | 77.6 |



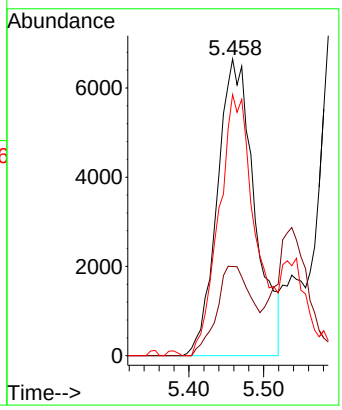


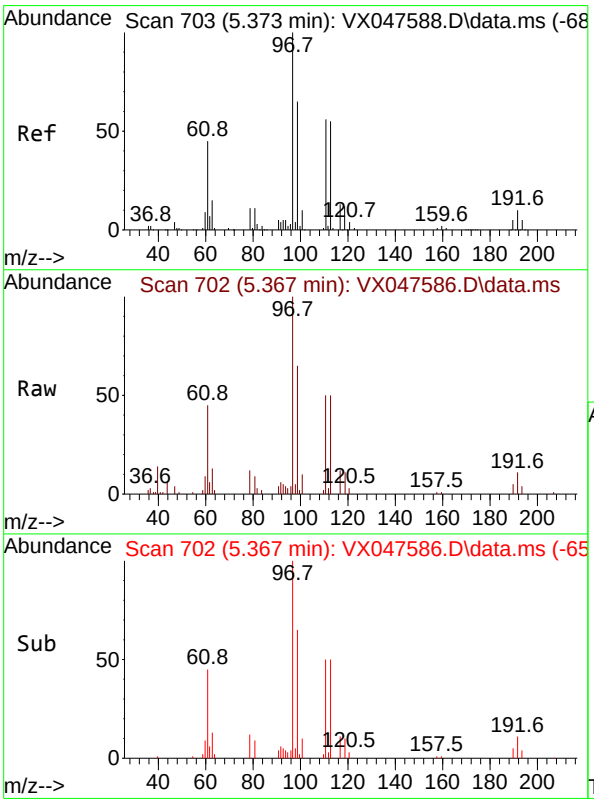

#31
Cyclohexane
Concen: 5.520 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 56 Resp: 23032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 32.2 | 23.8 | 35.8 |
| 84 | 87.1 | 64.6 | 97.0 |

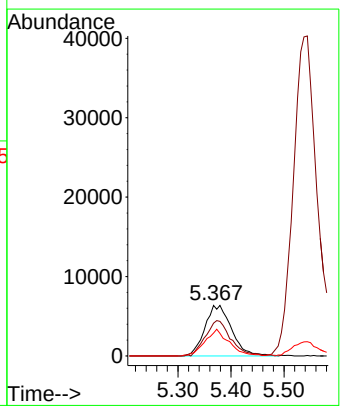


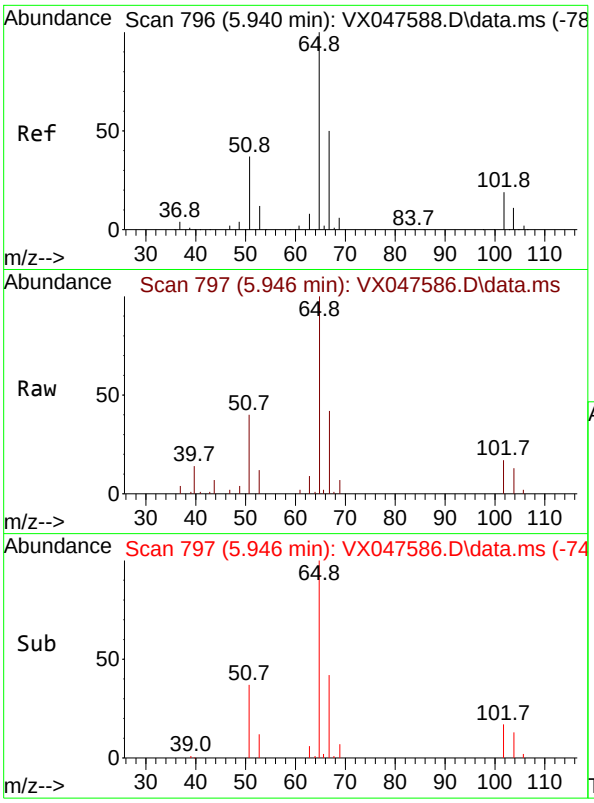




#32
1,1,1-Trichloroethane
Concen: 5.188 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 97 Resp: 22279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 66.4 | 50.6 | 76.0 |
| 61 | 47.4 | 35.8 | 53.8 |



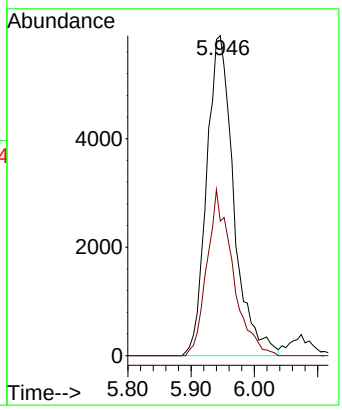


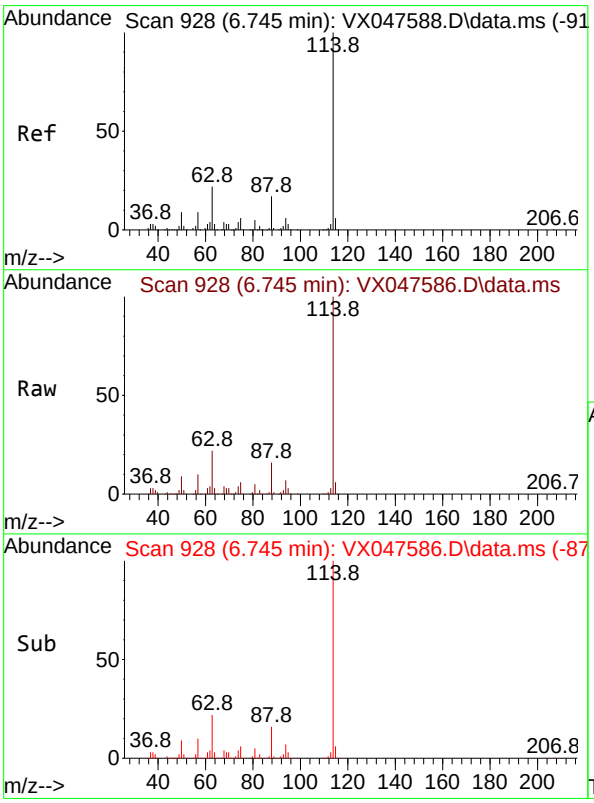

#33
1,2-Dichloroethane-d4
Concen: 5.554 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 65 Resp: 17538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 49.7 | 0.0 | 103.0 |

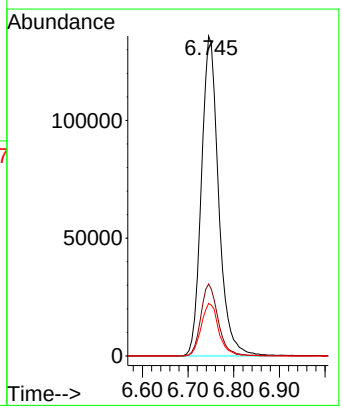


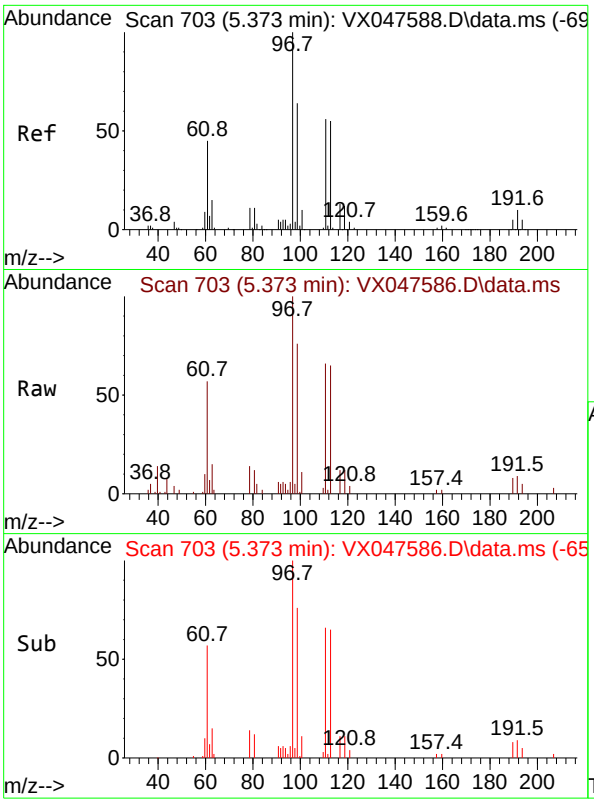




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:114 Resp: 355026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |



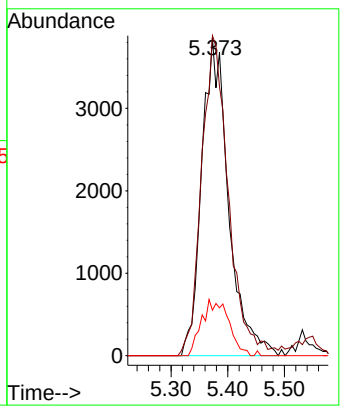


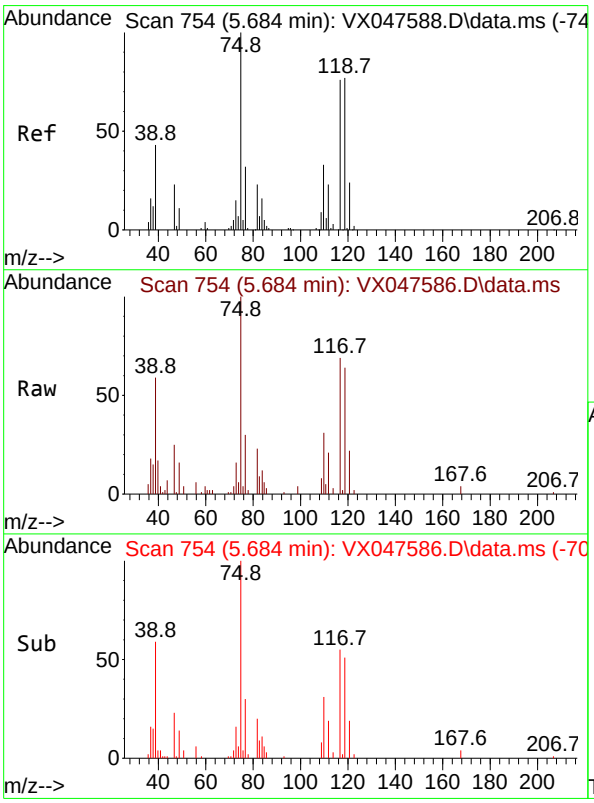

#35
Dibromofluoromethane
Concen: 5.312 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:113 Resp: 12647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.5 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |

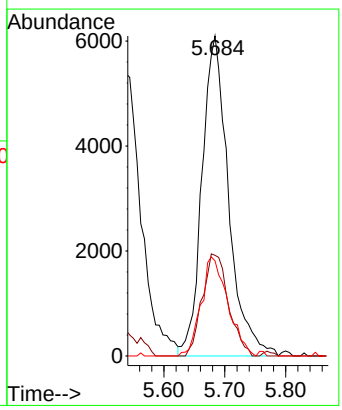


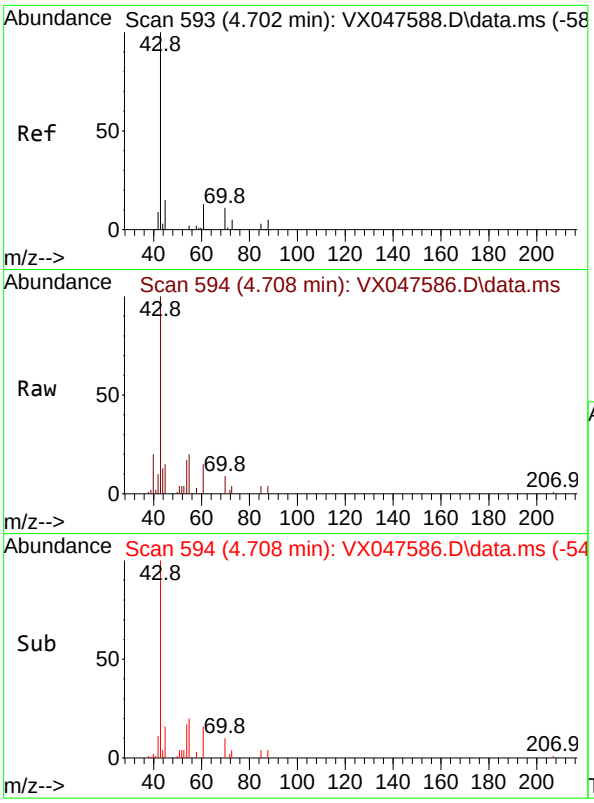




#36
1,1-Dichloropropene
Concen: 5.304 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 31.4 | 16.7 | 50.1 |
| 77 | 31.0 | 24.3 | 36.5 |



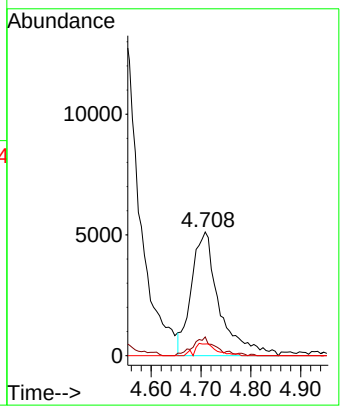


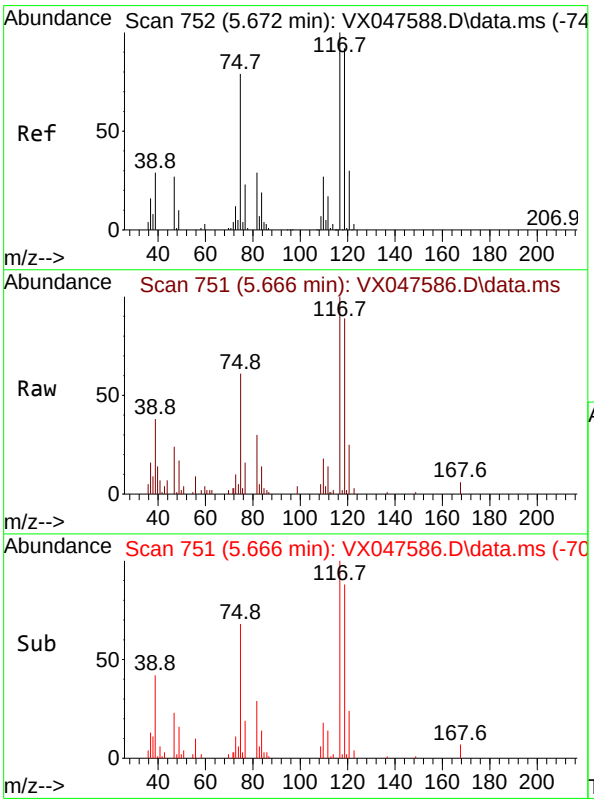

#37
Ethyl Acetate
Concen: 5.345 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 19913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.9 | 9.8 | 14.8 |
| 70 | 7.6 | 7.9 | 11.9# |

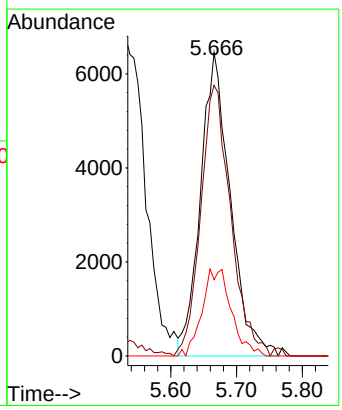


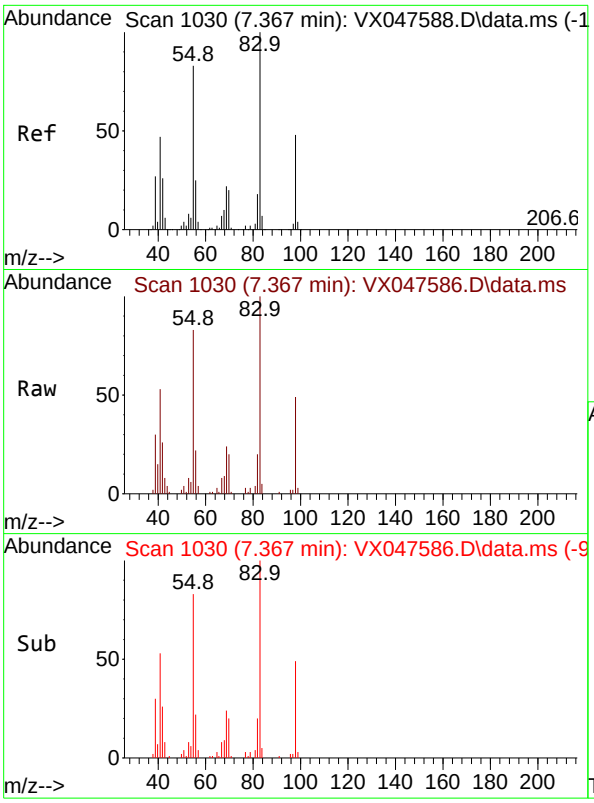




#38
Carbon Tetrachloride
Concen: 5.390 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 20376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 88.9 | 73.4 | 110.2 |
| 121 | 25.1 | 23.8 | 35.6 |



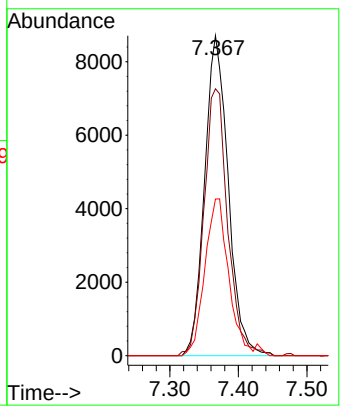


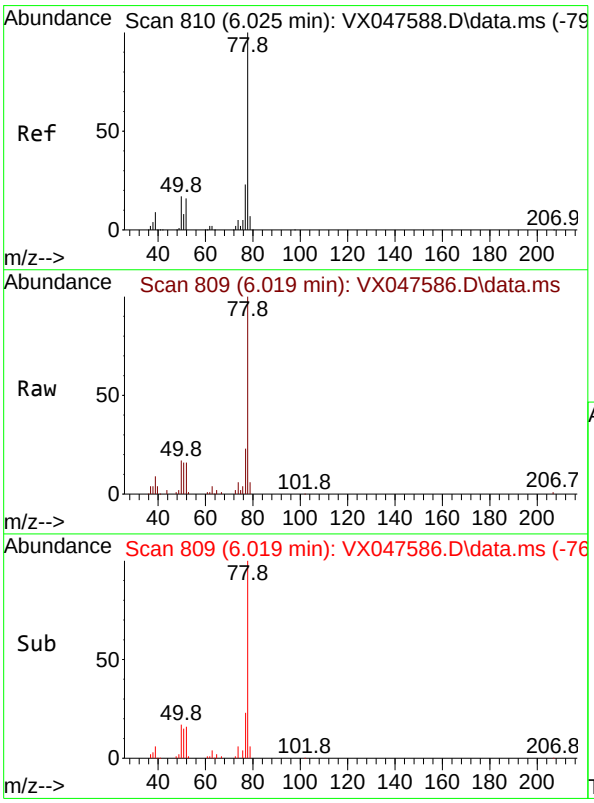

#39
Methylcyclohexane
Concen: 5.292 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 20900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.1 | 66.4 | 99.6 |
| 98 | 46.4 | 38.1 | 57.1 |

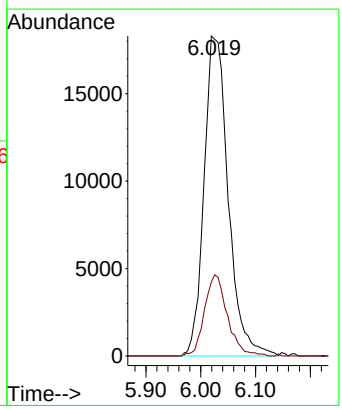


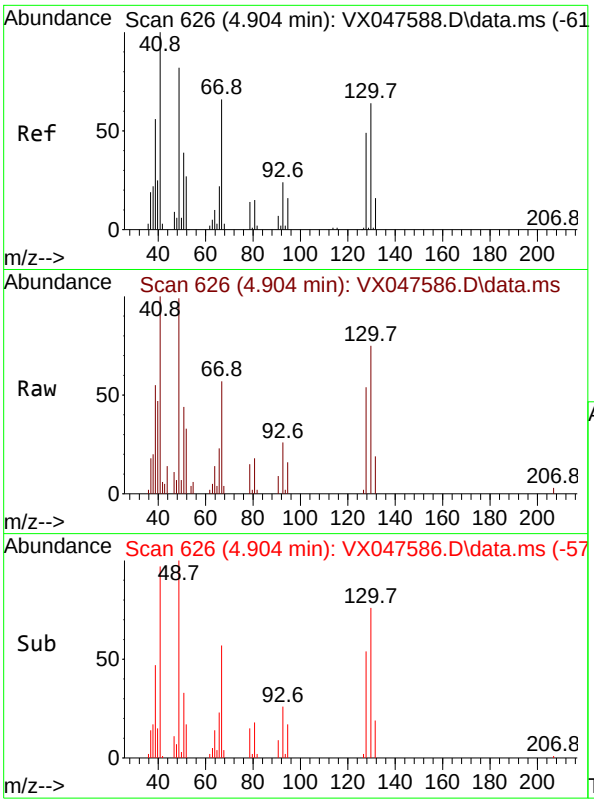




#40
Benzene
Concen: 5.299 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 78 Resp: 55996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.1 | 18.8 | 28.2 |



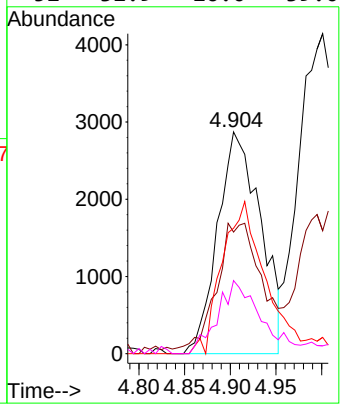


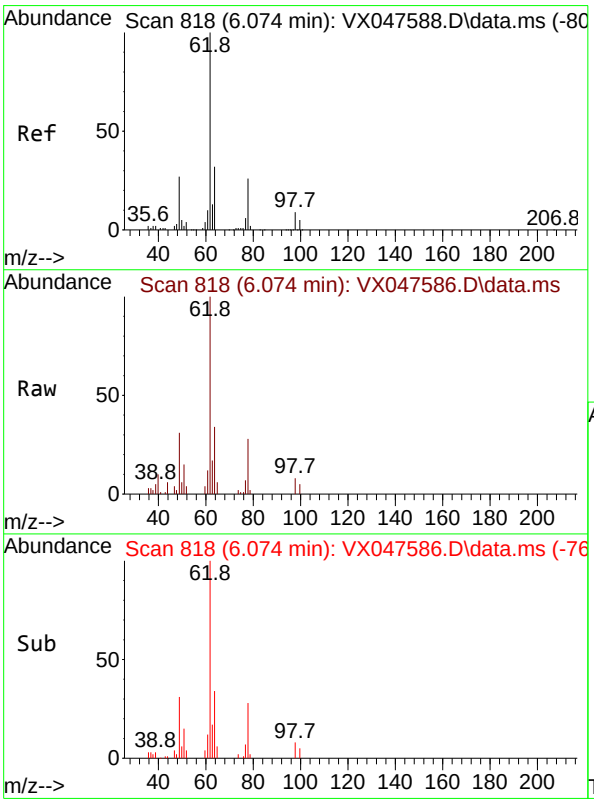

#41
Methacrylonitrile
Concen: 4.883 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 41 Resp: 9390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 58.3 | 43.3 | 64.9 |
| 67 | 68.7 | 58.6 | 87.8 |
| 52 | 32.9 | 26.0 | 39.0 |

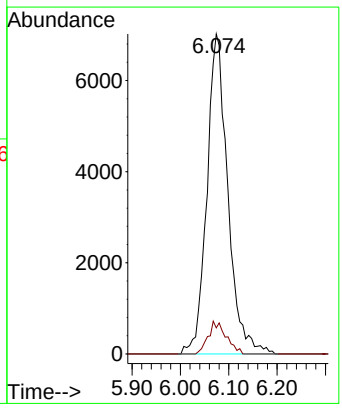


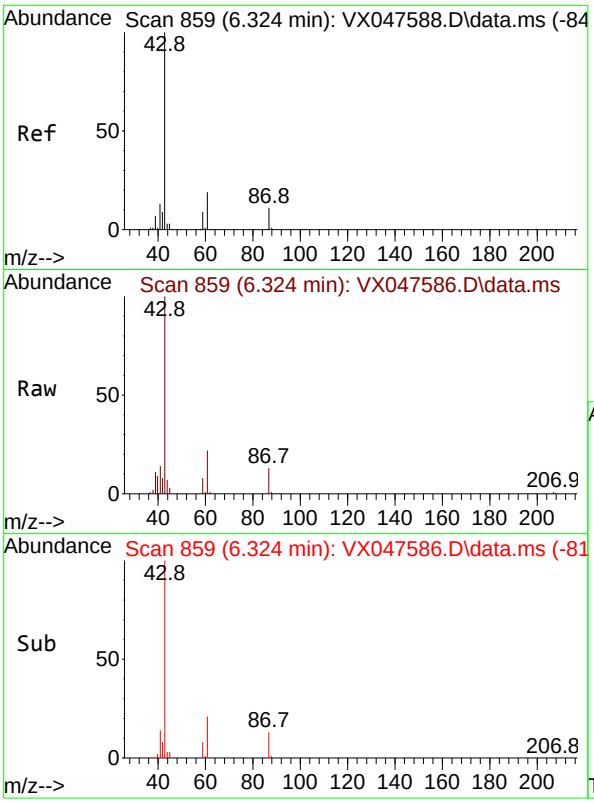




#42
1,2-Dichloroethane
Concen: 5.252 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 62 Resp: 21117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |



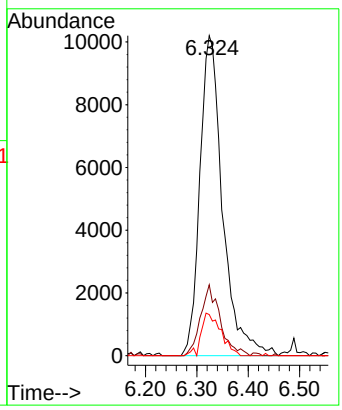


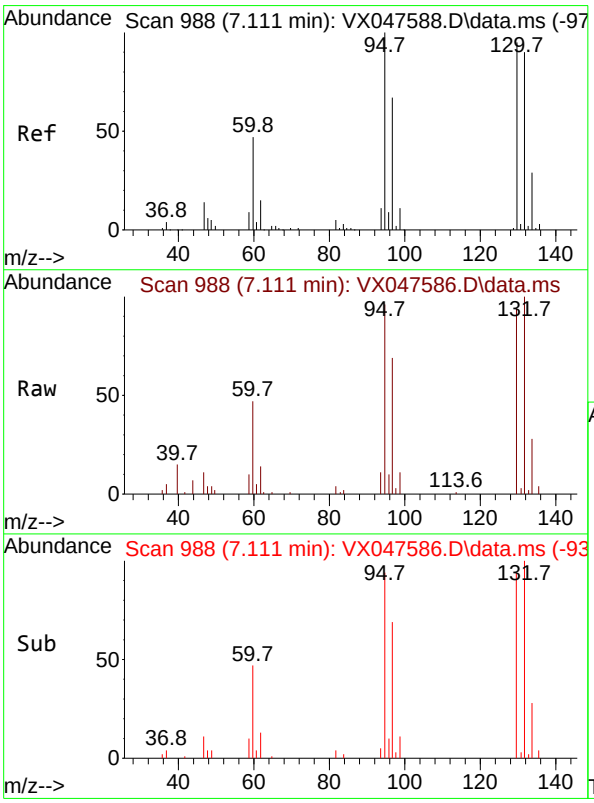

#43
Isopropyl Acetate
Concen: 5.124 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 31304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.2 | 15.2 | 22.8 |
| 87 | 11.6 | 9.6 | 14.4 |

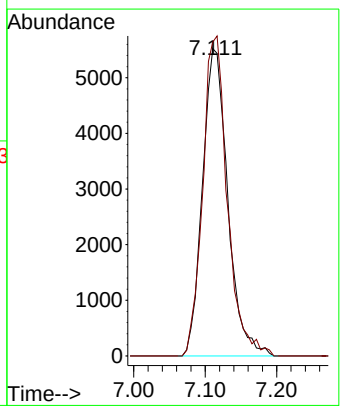


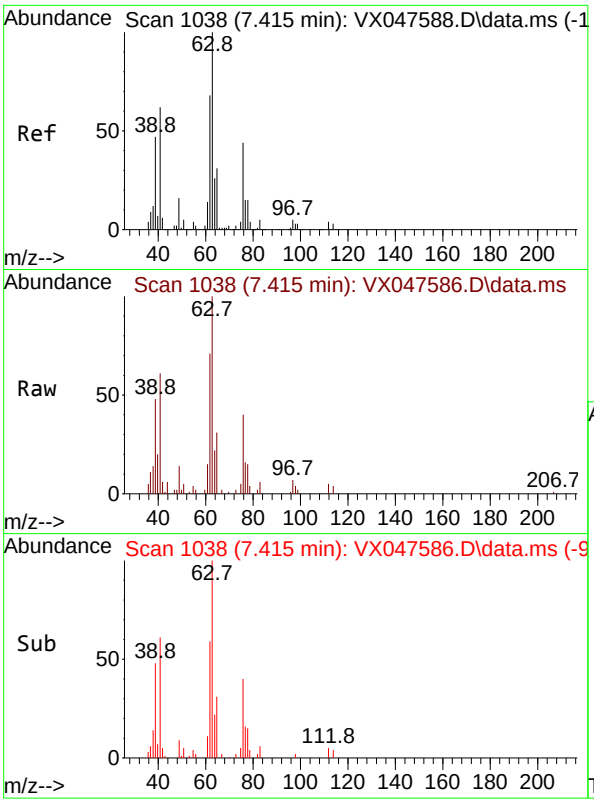




#44
Trichloroethene
Concen: 5.314 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:130 Resp: 13576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.1 | 0.0 | 210.8 |



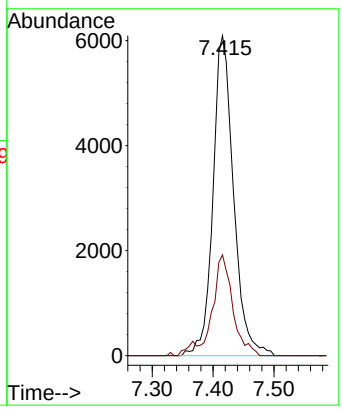


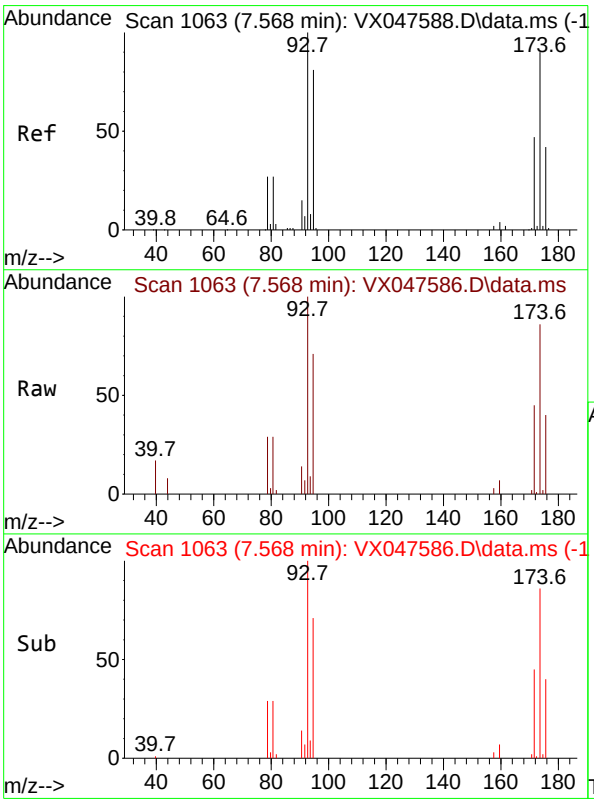

#45
1,2-Dichloropropane
Concen: 5.287 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 63 Resp: 14305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |

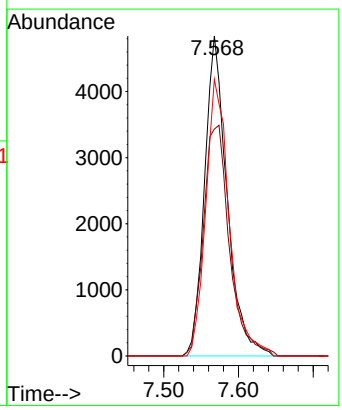


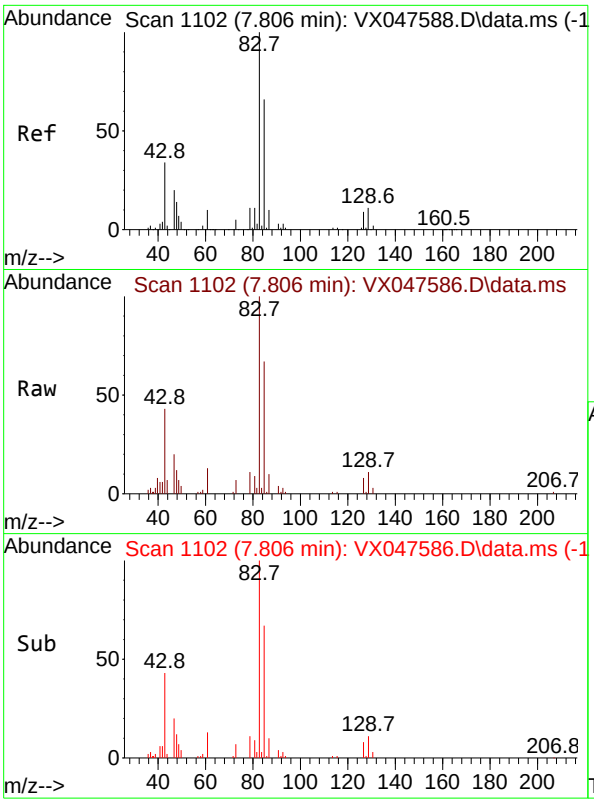




#46
Dibromomethane
Concen: 5.146 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 93 Resp: 10133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.5 | 65.0 | 97.6 |
| 174 | 90.0 | 71.6 | 107.4 |



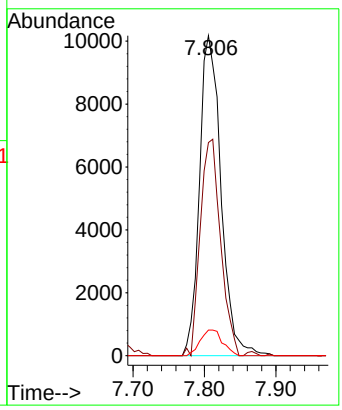


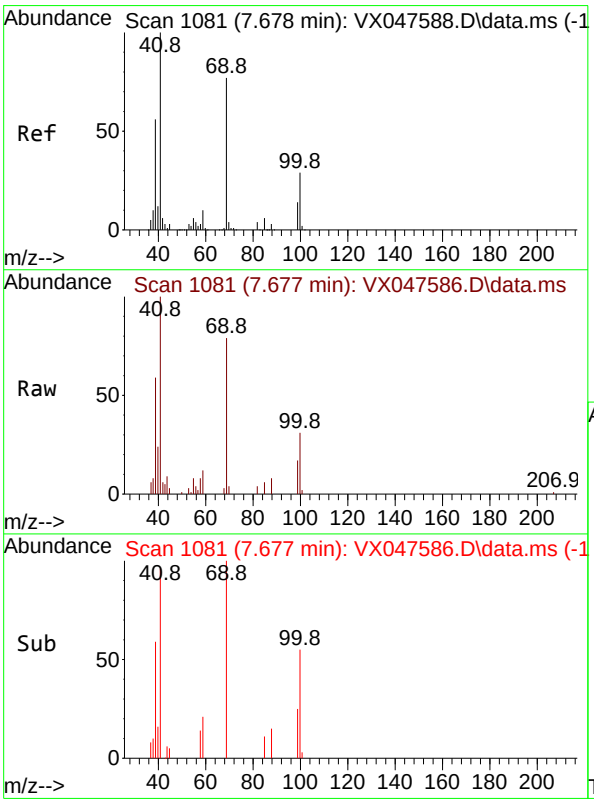

#47
Bromodichloromethane
Concen: 5.235 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 21270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 52.5 | 78.7 |
| 127 | 7.8 | 6.9 | 10.3 |

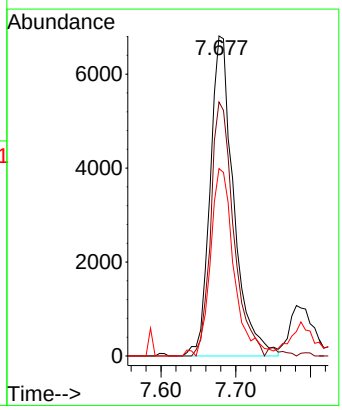


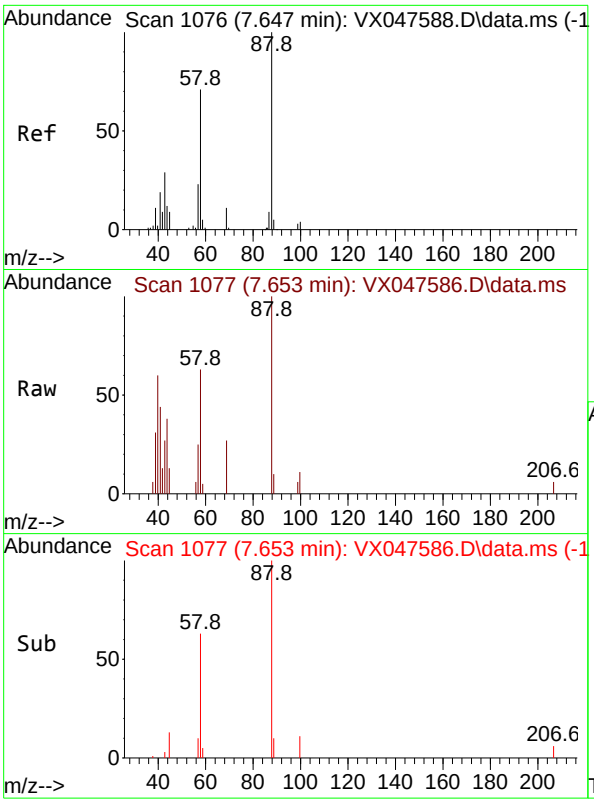




#48
Methyl methacrylate
Concen: 4.915 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 41 Resp: 14959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.4 | 61.4 | 92.2 |
| 39 | 58.2 | 45.8 | 68.6 |



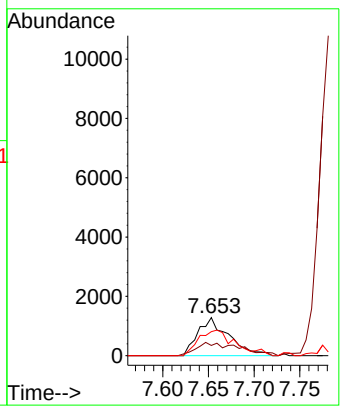


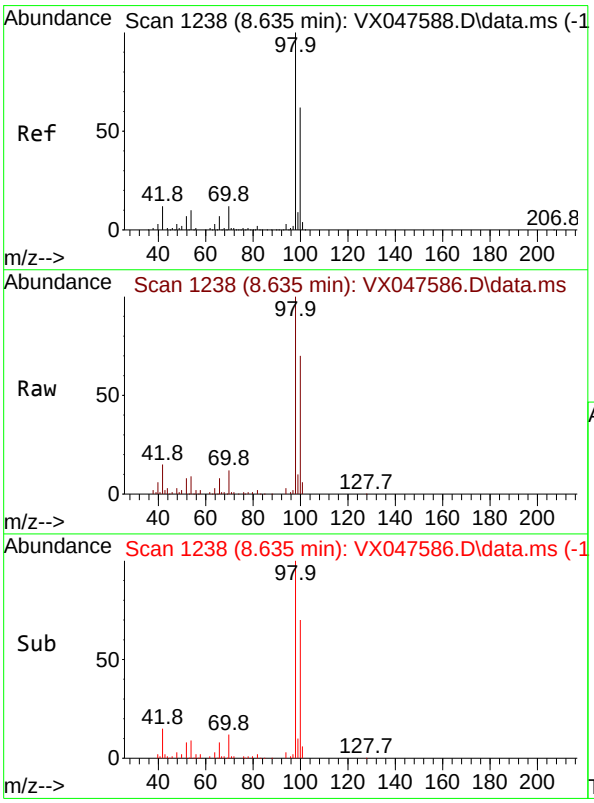

#49
1,4-Dioxane
Concen: 98.096 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 88 Resp: 3017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 48.3 | 30.2 | 45.2# |
| 58 | 79.1 | 59.5 | 89.3 |

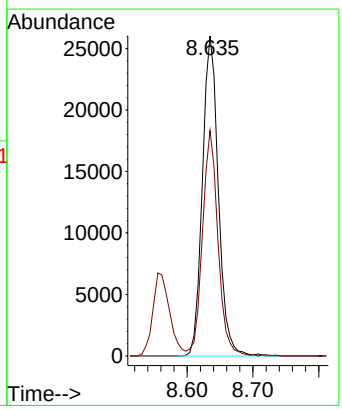


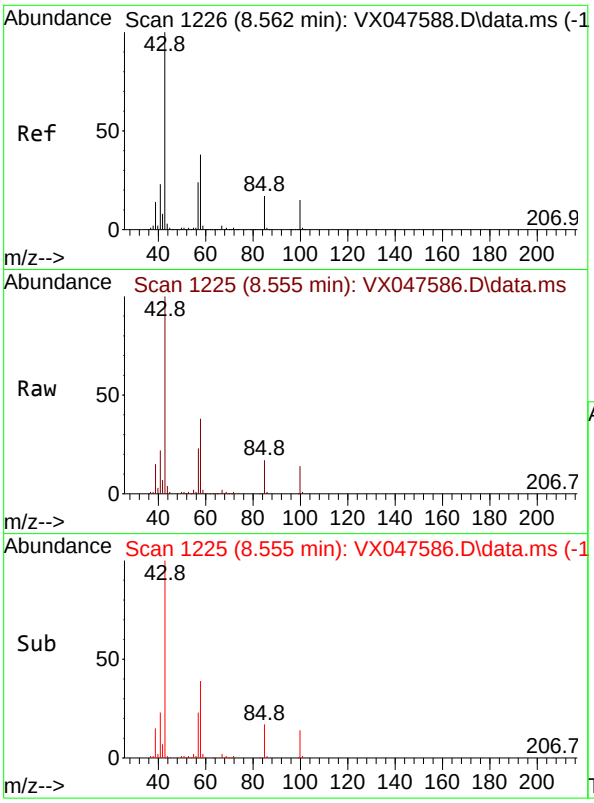




#50
Toluene-d8
Concen: 5.332 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 98 Resp: 43926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 68.4 | 53.0 | 79.4 |



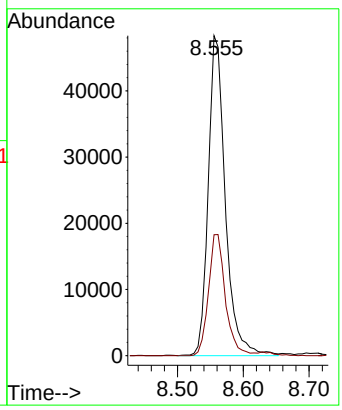


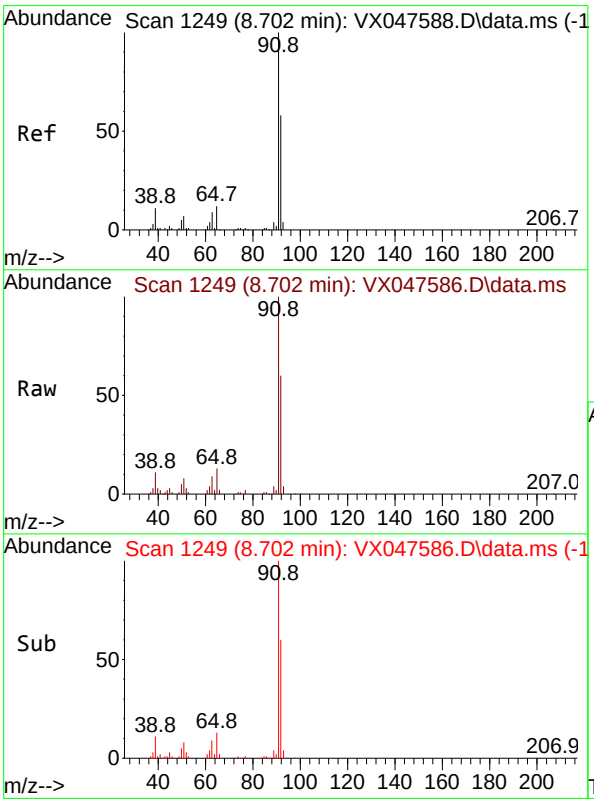

#51
4-Methyl-2-Pentanone
Concen: 25.828 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 87492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |

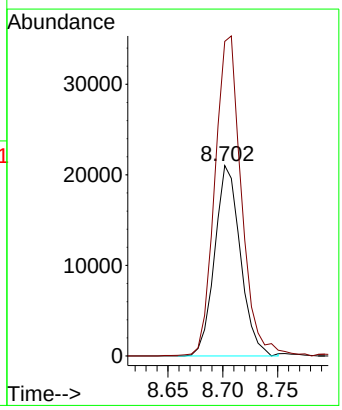


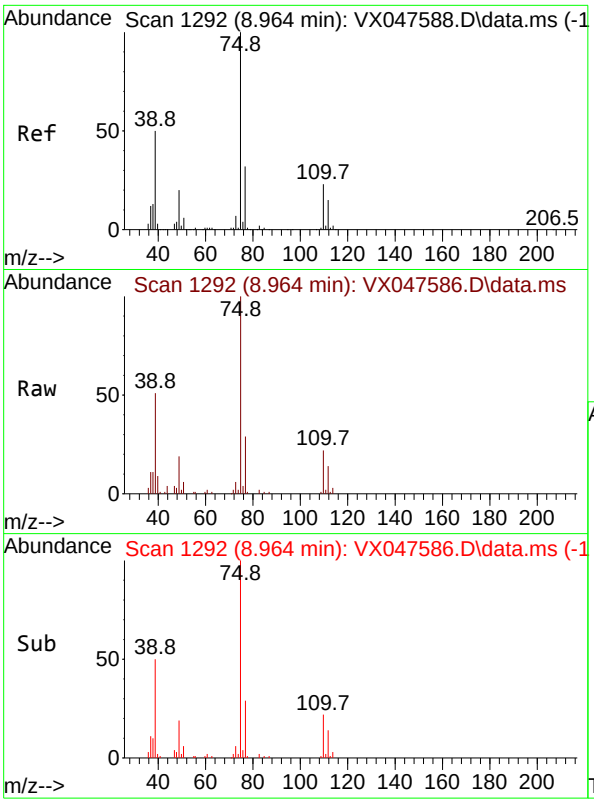




#52
Toluene
Concen: 5.271 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 92 Resp: 34314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.8 | 137.1 | 205.7 |



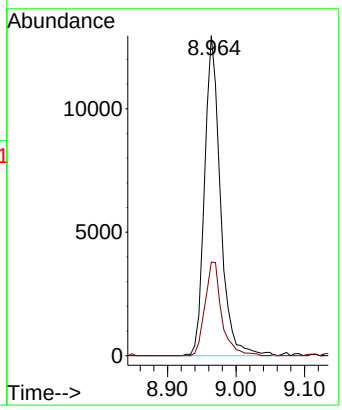


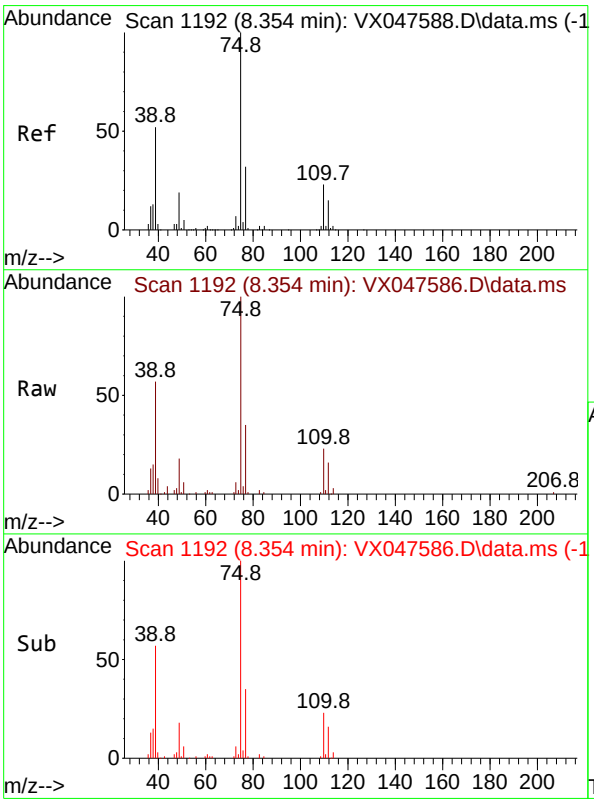

#53
t-1,3-Dichloropropene
Concen: 5.034 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 20863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.4 | 38.2 |

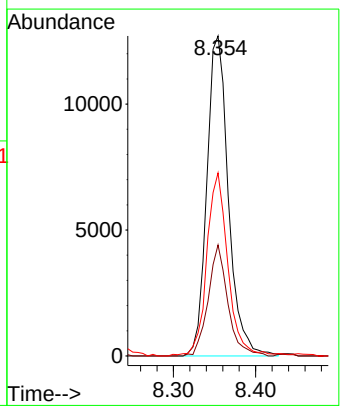


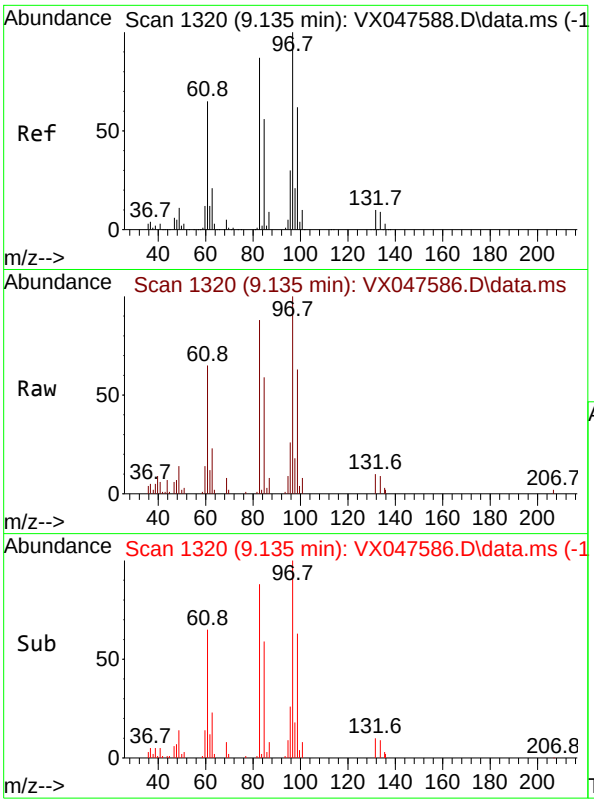




#54
cis-1,3-Dichloropropene
Concen: 5.227 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 23157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 34.7 | 25.8 | 38.6 |
| 39 | 51.7 | 41.4 | 62.2 |



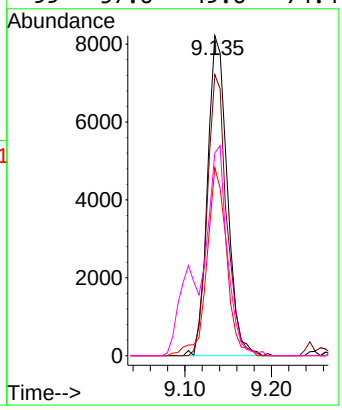


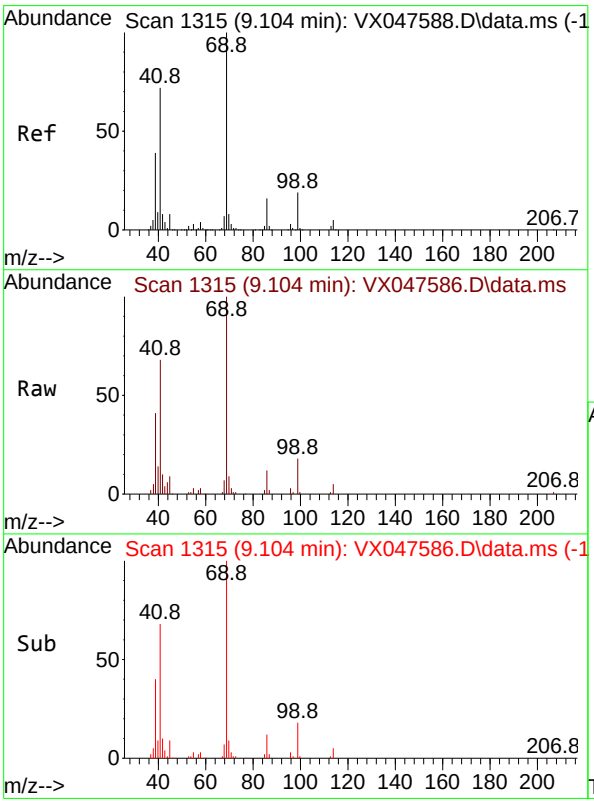

#55
1,1,2-Trichloroethane
Concen: 5.166 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 97 Resp: 12968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 76.7 | 69.6 | 104.4 |
| 85 | 49.9 | 45.0 | 67.6 |
| 99 | 57.6 | 49.6 | 74.4 |

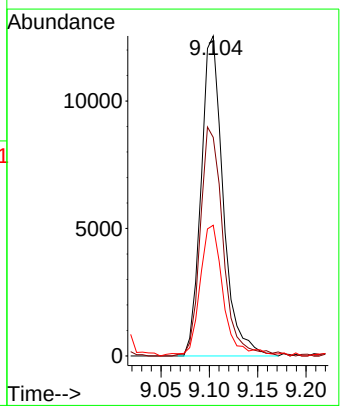


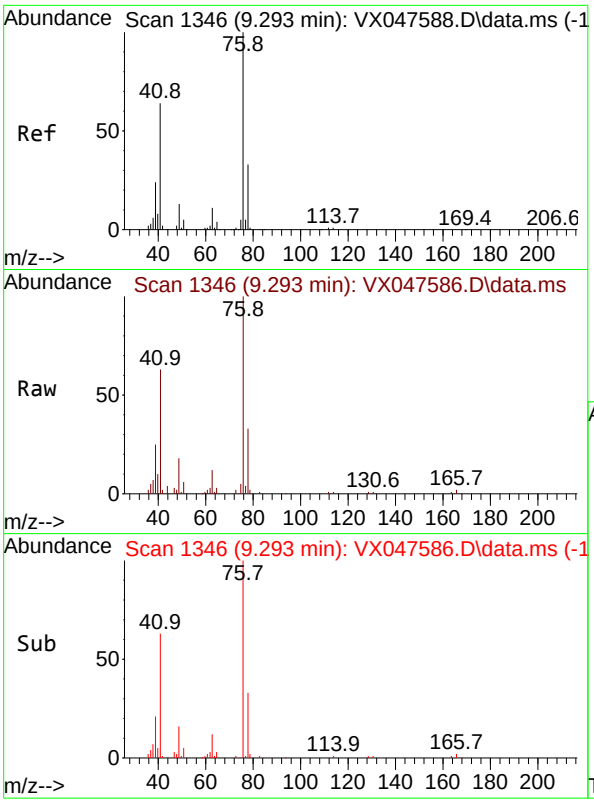




#56
Ethyl methacrylate
Concen: 5.068 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 69 Resp: 19980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.9 | 58.6 | 87.8 |
| 39 | 43.7 | 31.5 | 47.3 |



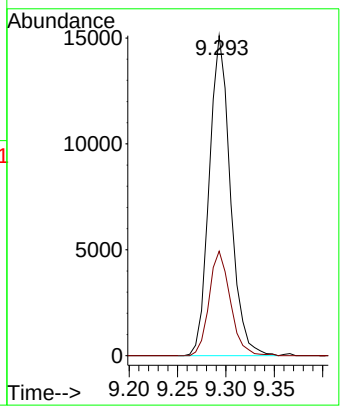


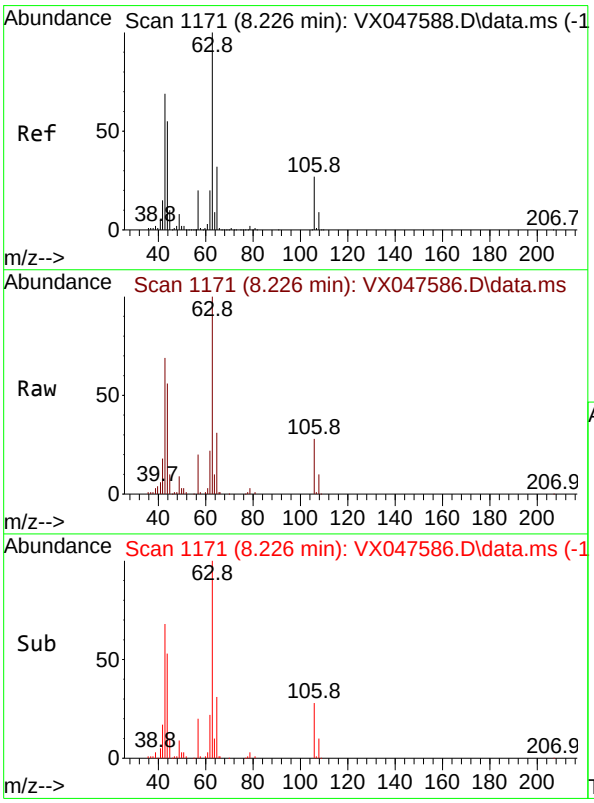

#57
1,3-Dichloropropane
Concen: 5.331 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 76 Resp: 22989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.2 | 39.4 |

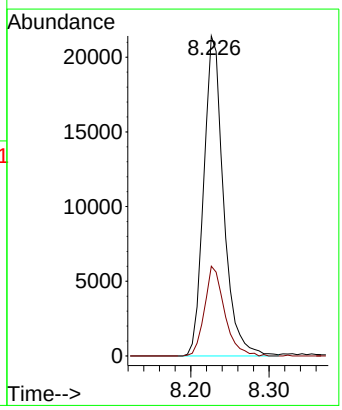


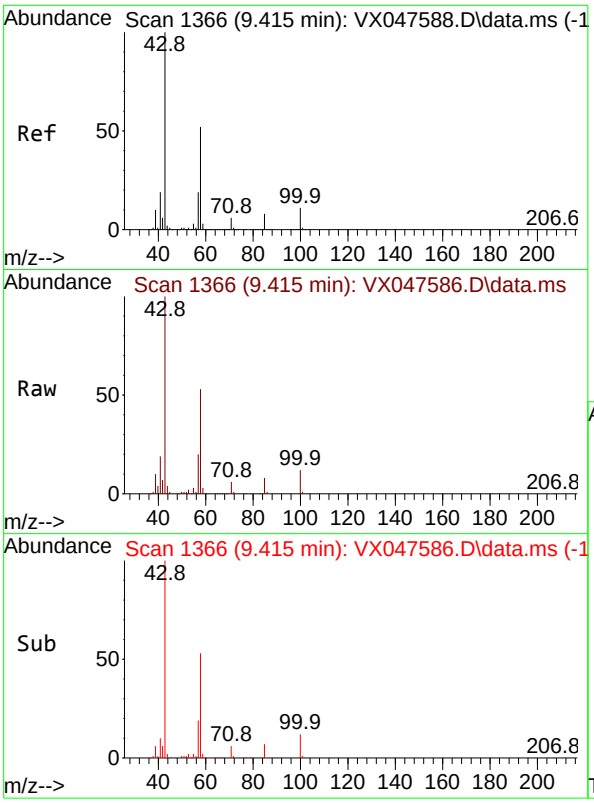




#58
2-Chloroethyl Vinyl ether
Concen: 27.899 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 63 Resp: 37585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 28.3 | 21.9 | 32.9 |



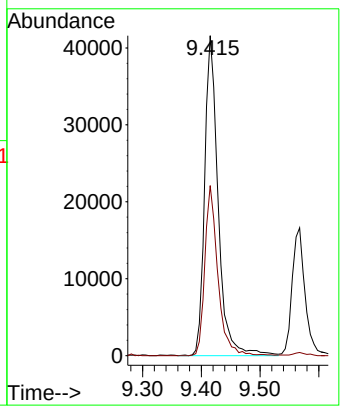


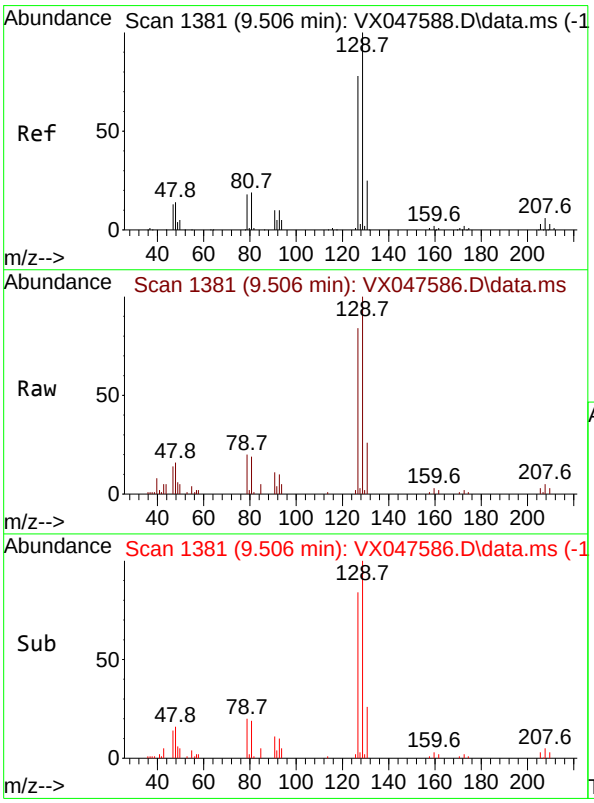

#59
2-Hexanone
Concen: 27.275 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 43 Resp: 66356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.1 | 26.1 | 78.2 |

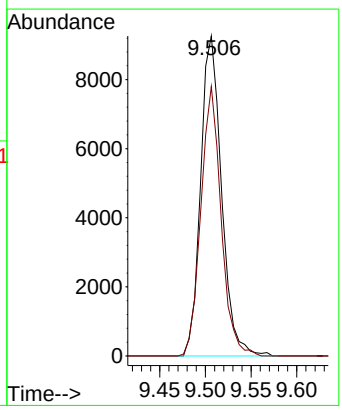


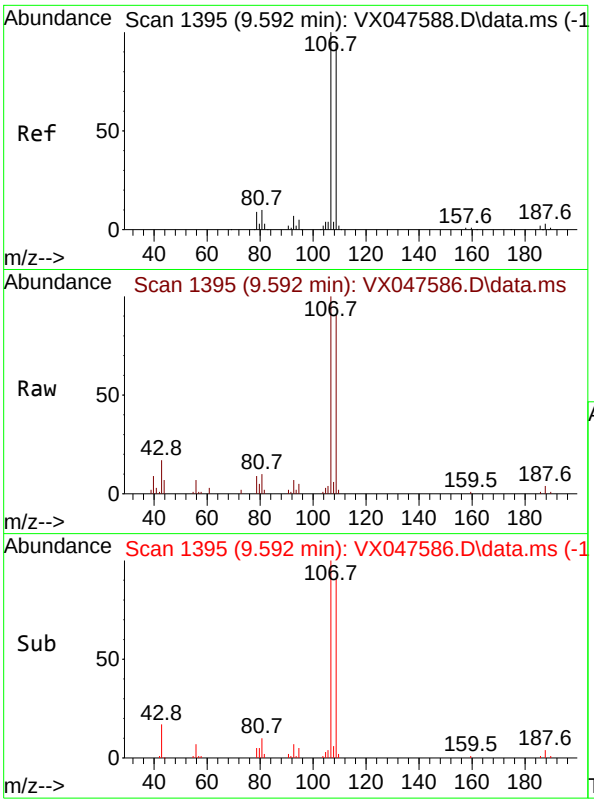




#60
Dibromochloromethane
Concen: 5.084 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:129 Resp: 14705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 81.4 | 38.4 | 115.2 |



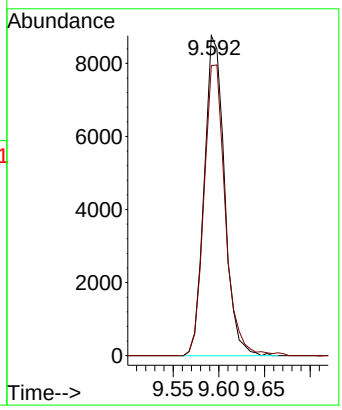


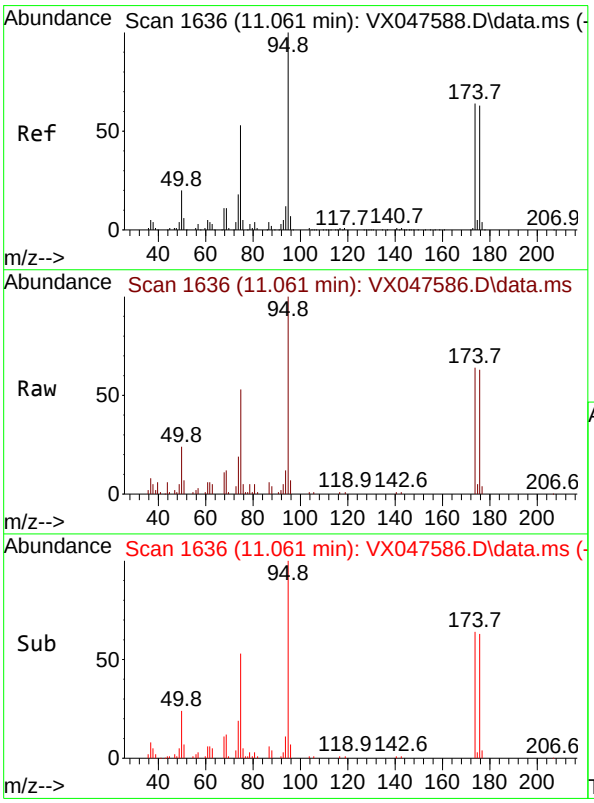

#61
1,2-Dibromoethane
Concen: 5.264 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:107 Resp: 13461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.6 | 75.3 | 112.9 |

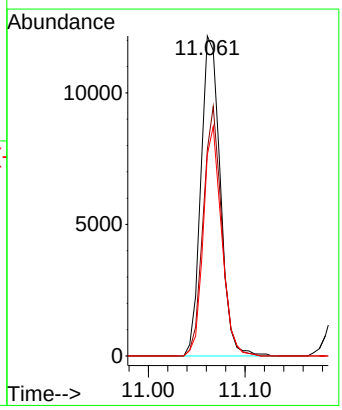


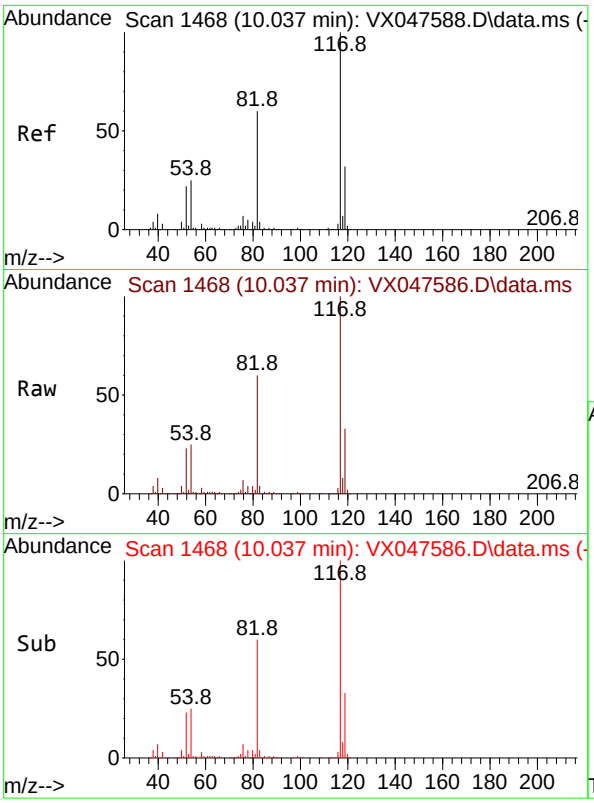




#62
4-Bromofluorobenzene
Concen: 5.429 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 95 Resp: 16974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.0 | 0.0 | 141.6 |
| 176 | 67.9 | 0.0 | 138.4 |



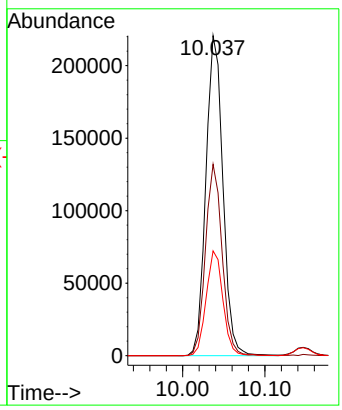


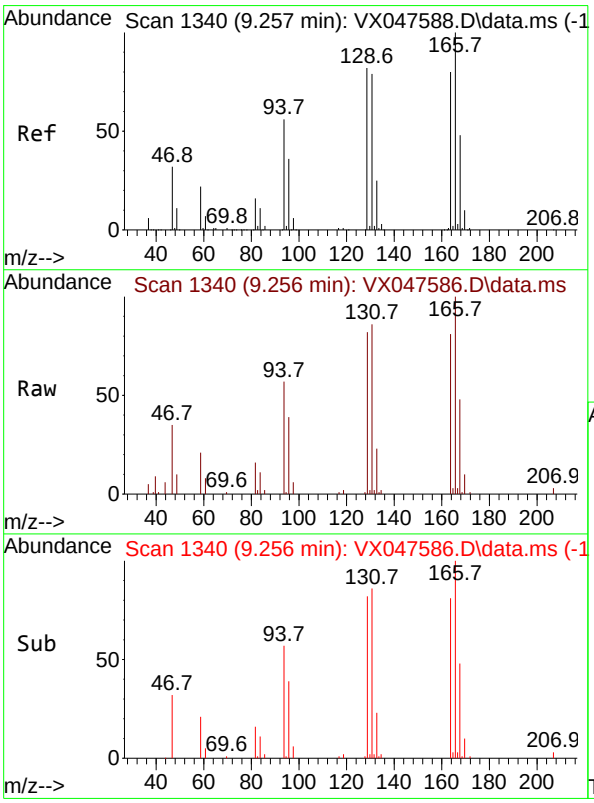

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:117 Resp: 317288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.8 | 47.8 | 71.6 |
| 119 | 32.8 | 25.2 | 37.8 |

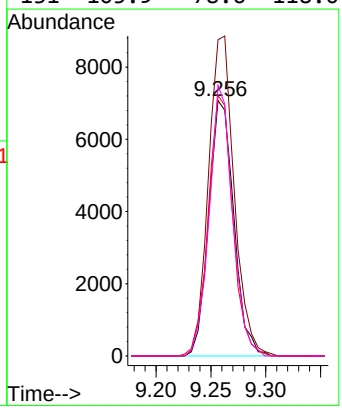


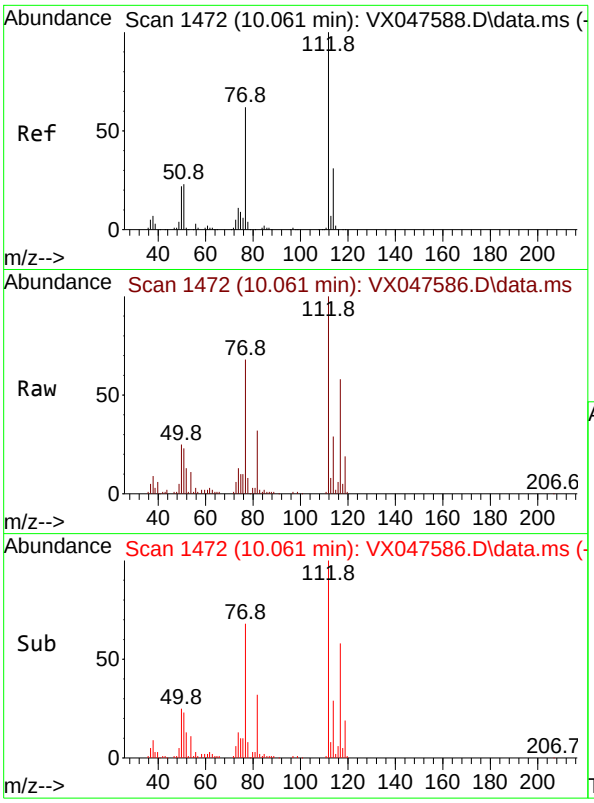




#64
Tetrachloroethene
Concen: 5.428 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:164 Resp: 11228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.8 | 100.2 | 150.2 |
| 129 | 102.0 | 81.8 | 122.6 |
| 131 | 105.9 | 78.6 | 118.0 |



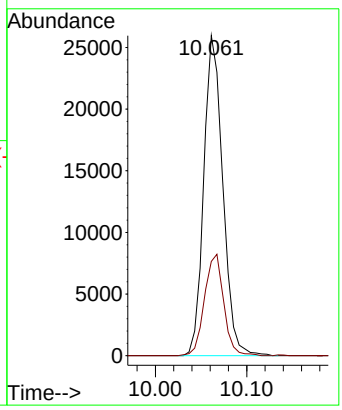


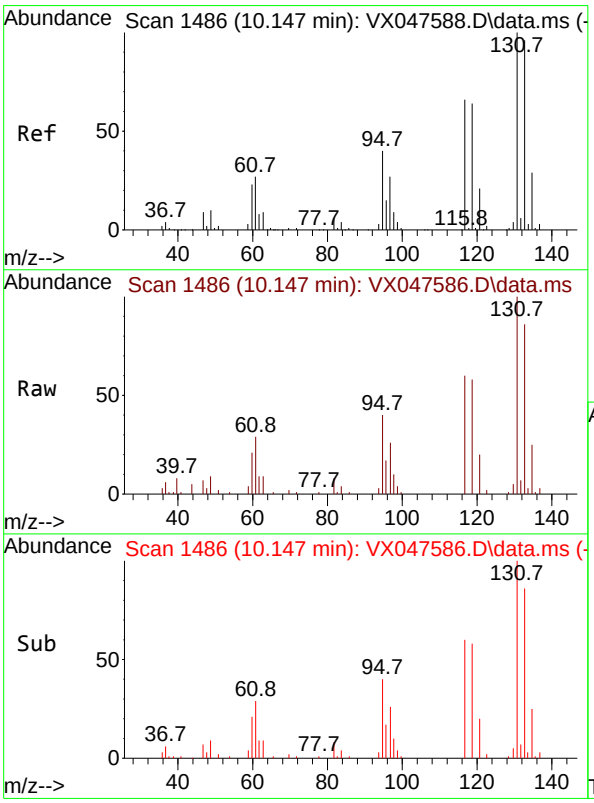

#65
Chlorobenzene
Concen: 5.203 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:112 Resp: 37507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 29.2 | 25.1 | 37.7 |

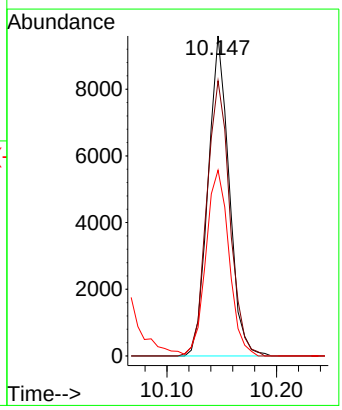


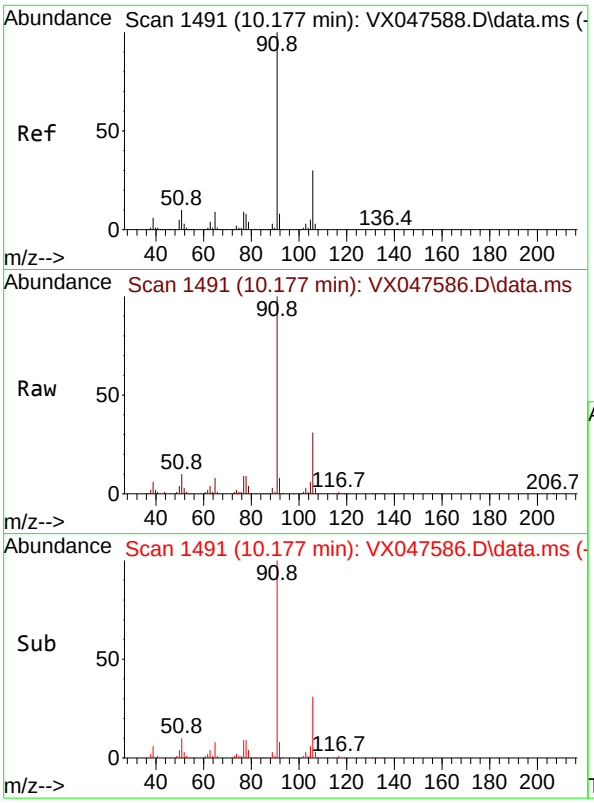




#66
1,1,1,2-Tetrachloroethane
Concen: 5.149 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:131 Resp: 12807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.0 | 47.3 | 142.0 |
| 119 | 63.5 | 32.0 | 96.0 |



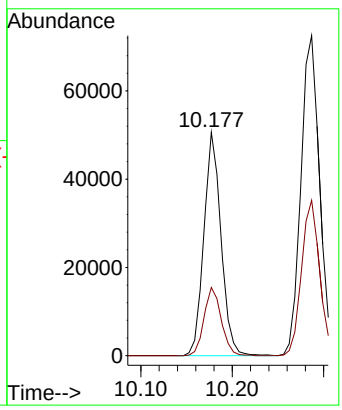


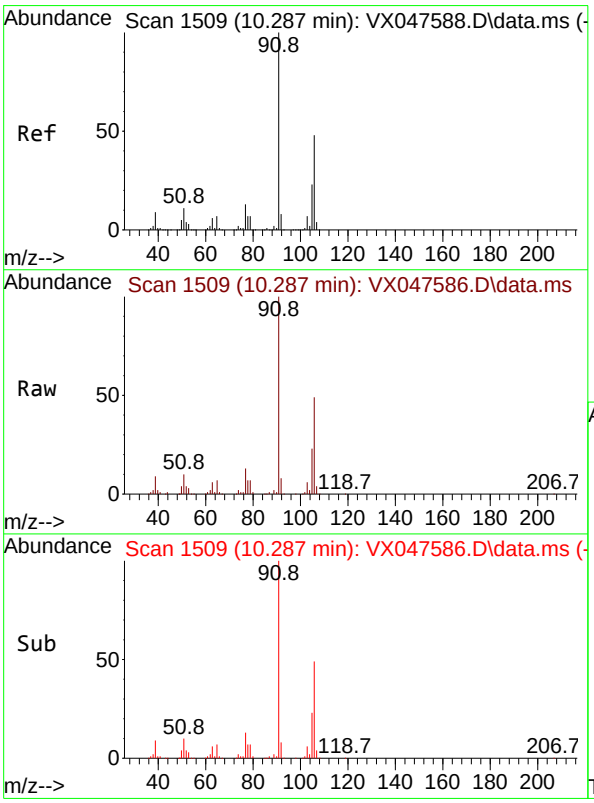

#67
Ethyl Benzene
Concen: 5.299 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 65908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.3 | 36.5 |

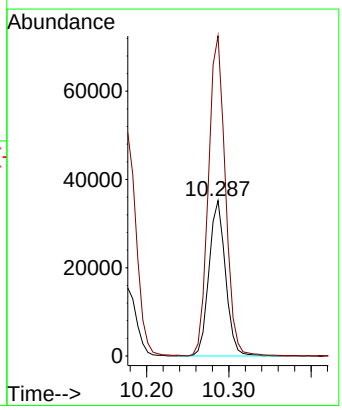


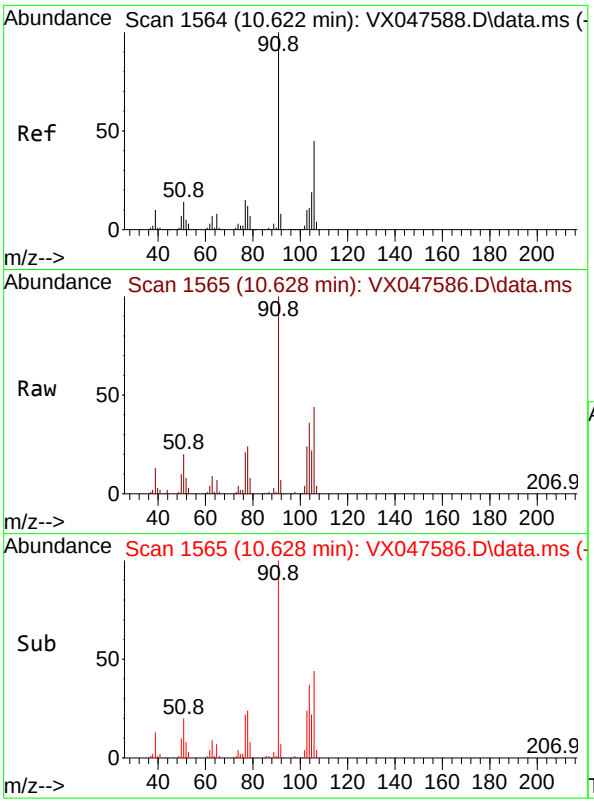




#68
m/p-Xylenes
Concen: 10.613 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:106 Resp: 49132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.6 | 167.8 | 251.8 |



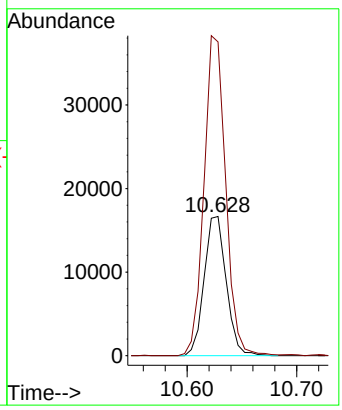


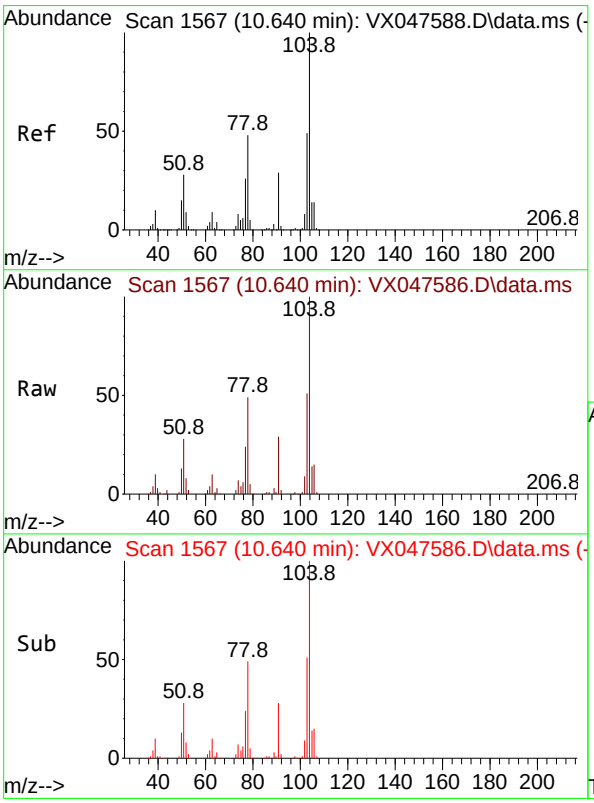

#69
o-Xylene
Concen: 5.204 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:106 Resp: 23300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 226.3 | 111.1 | 333.4 |

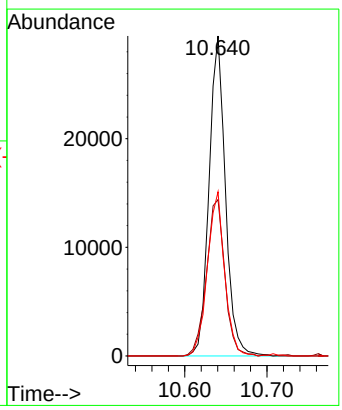


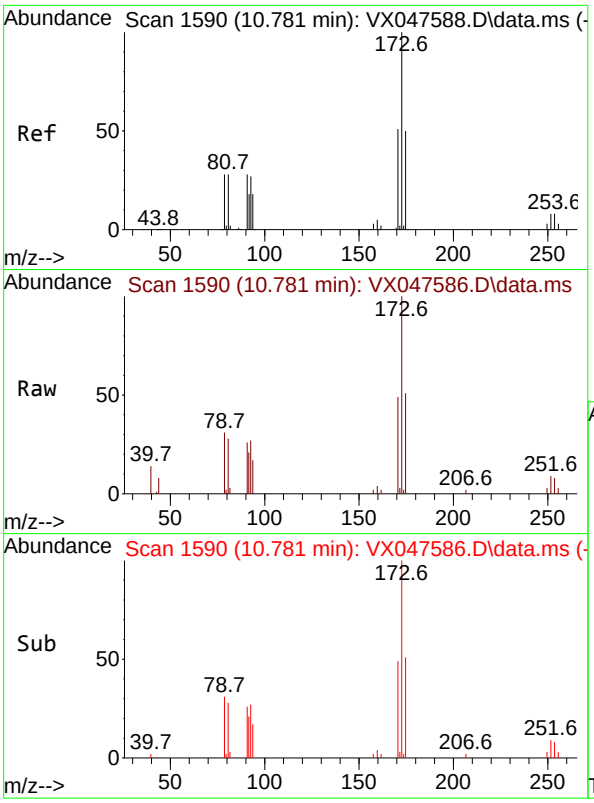




#70
Styrene
Concen: 5.210 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:104 Resp: 40872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 54.8 | 43.1 | 64.7 |
| 103 | 53.7 | 43.1 | 64.7 |



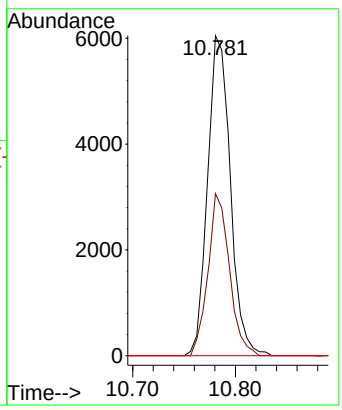


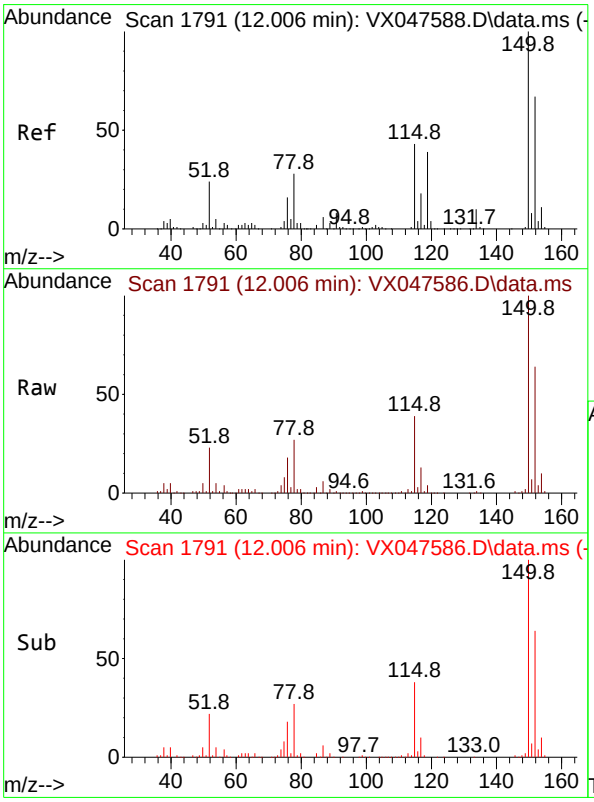

#71
Bromoform
Concen: 5.006 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:173 Resp: 9298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.9 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

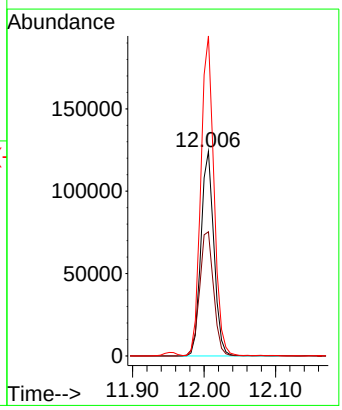


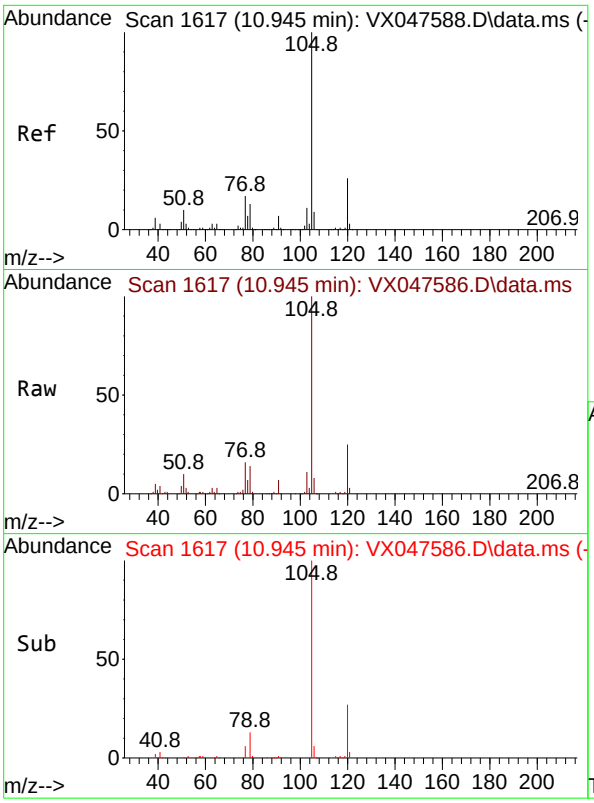




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:152 Resp: 156219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 65.6 | 44.9 | 134.5 |
| 150 | 157.8 | 0.0 | 352.0 |



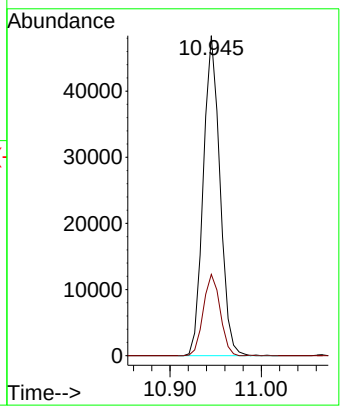


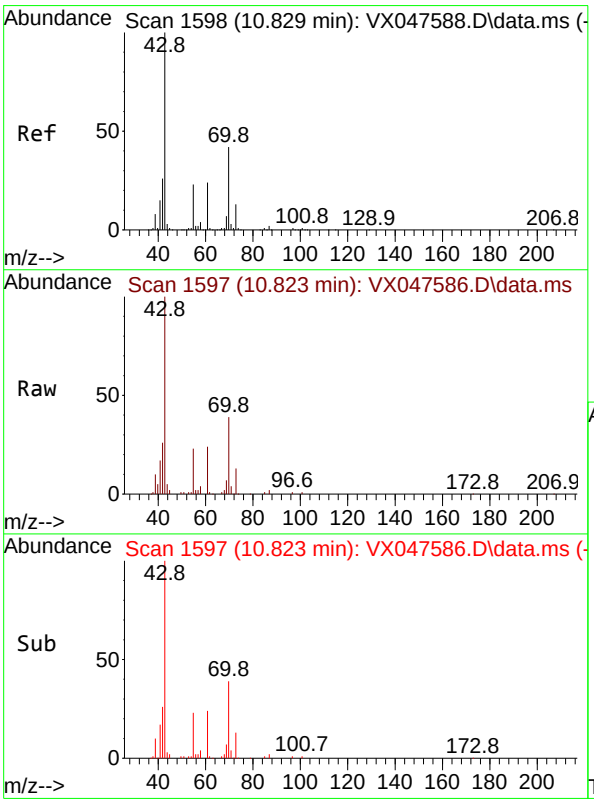

#73
Isopropylbenzene
Concen: 5.139 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 61029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |

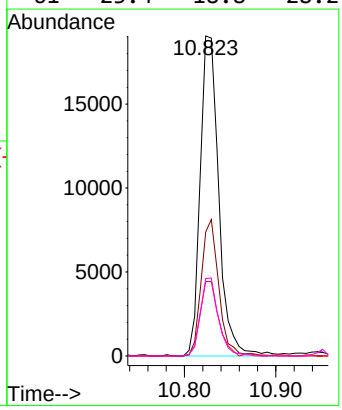


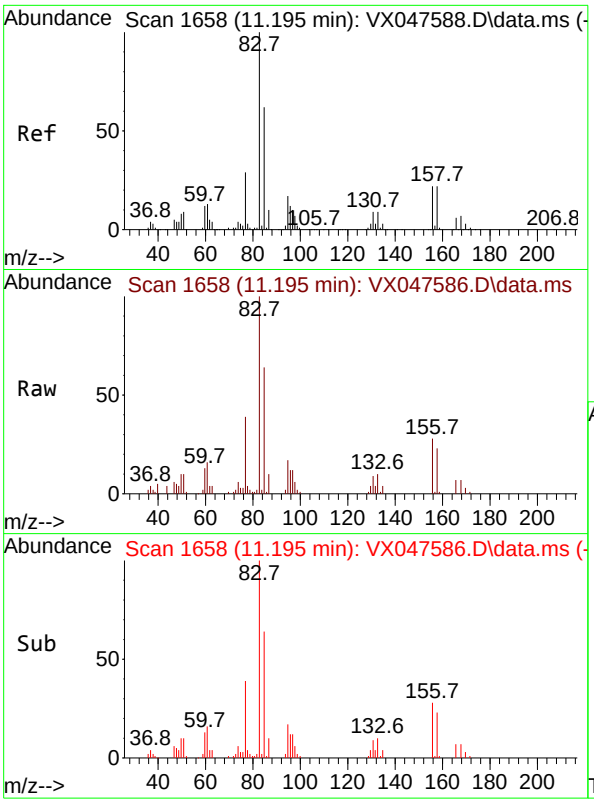




#74
N-amyl acetate
Concen: 4.980 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 43 Resp: 26969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.9 | 32.0 | 48.0 |
| 55 | 23.1 | 18.9 | 28.3 |
| 61 | 23.4 | 18.8 | 28.2 |



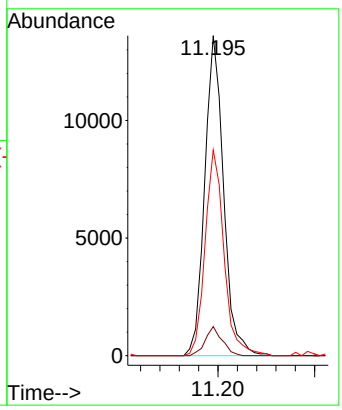


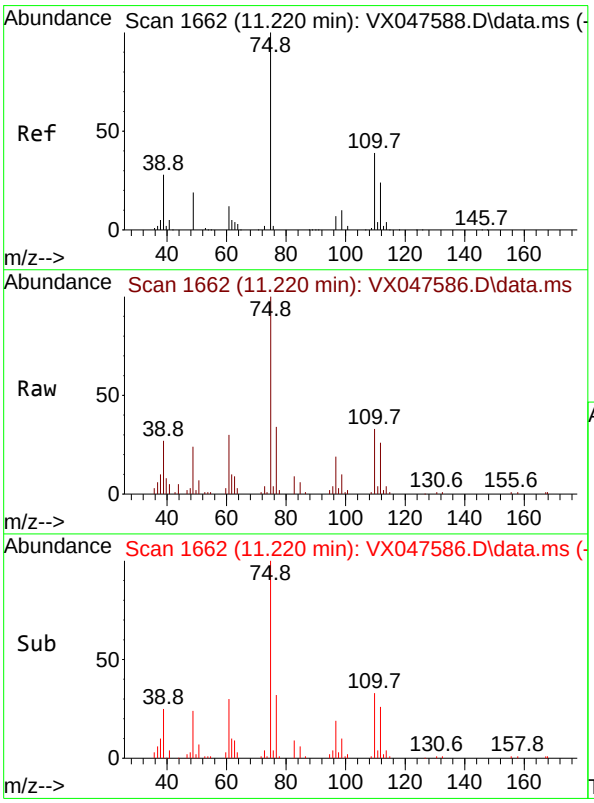

#75
1,1,2,2-Tetrachloroethane
Concen: 5.138 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 83 Resp: 18462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 8.2 | 5.0 | 14.9 |
| 85 | 64.4 | 31.6 | 95.0 |

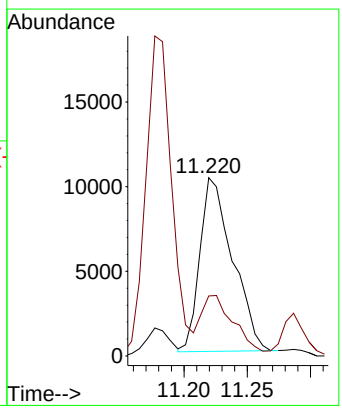


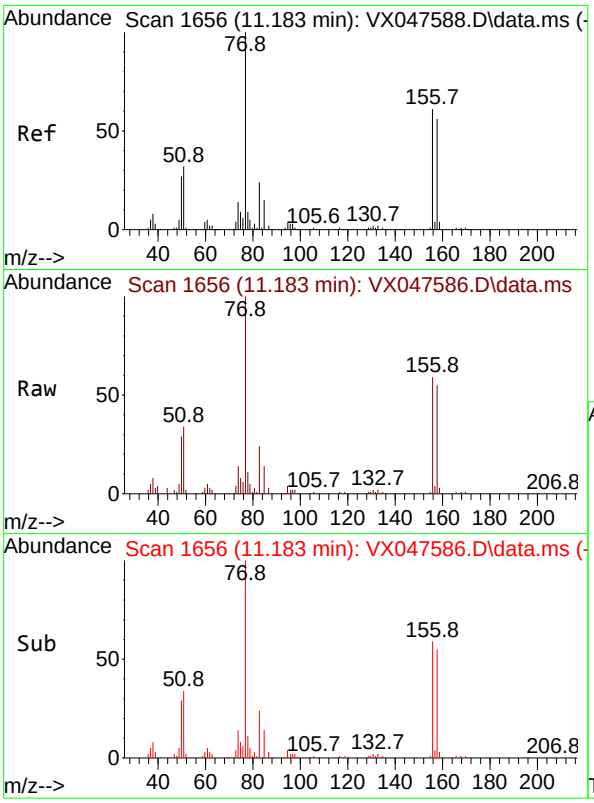




#76
1,2,3-Trichloropropane
Concen: 5.847 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 18494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 35.0 | 18.8 | 56.4 |



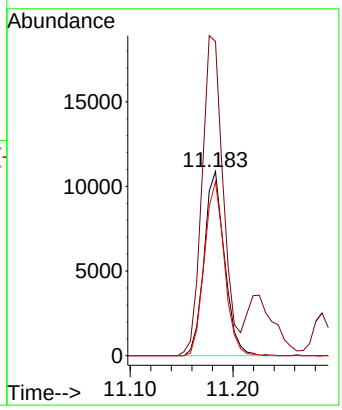


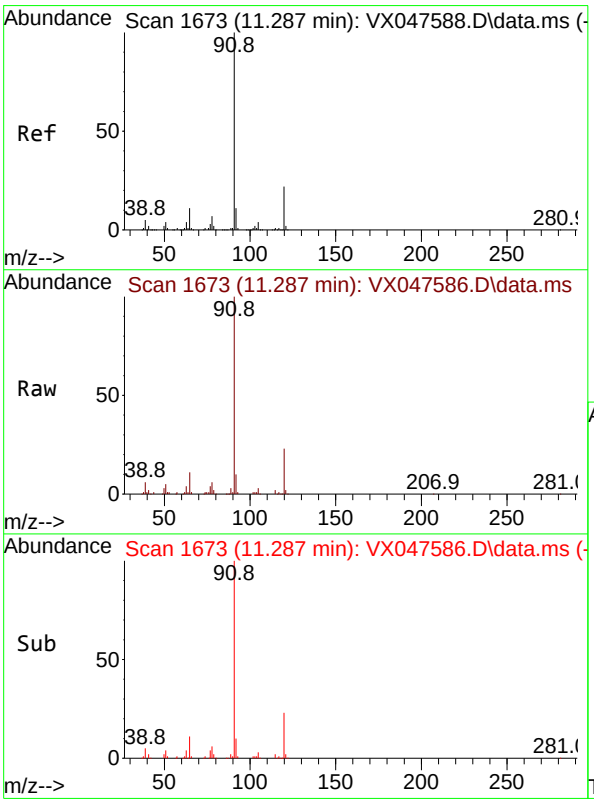

#77
Bromobenzene
Concen: 5.150 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:156 Resp: 15066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 180.3 | 89.7 | 269.1 |
| 158 | 92.6 | 47.9 | 143.6 |

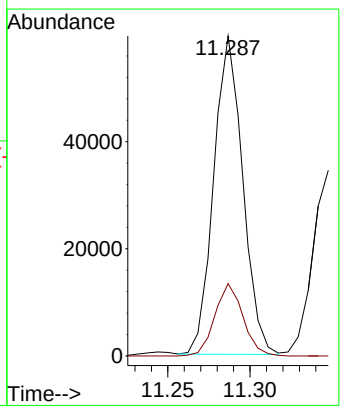


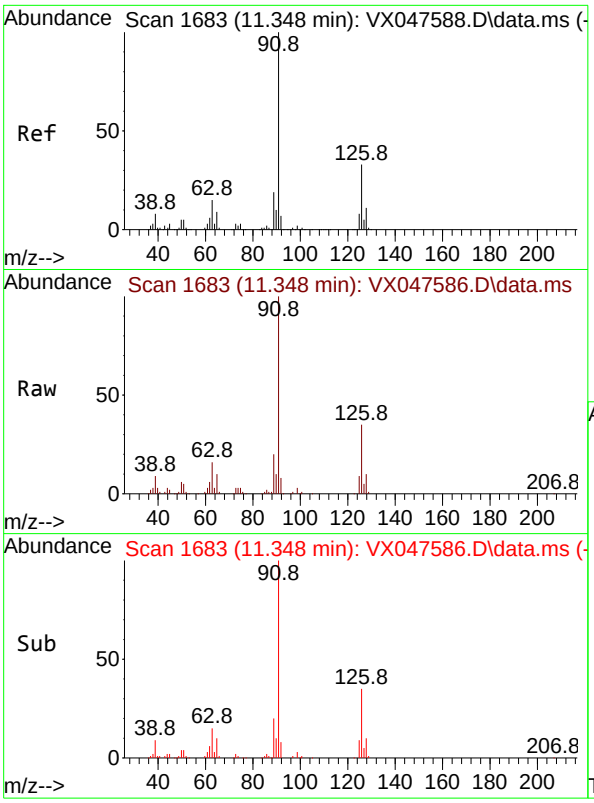




#78
n-propylbenzene
Concen: 5.192 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 72900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.0 | 11.1 | 33.1 |



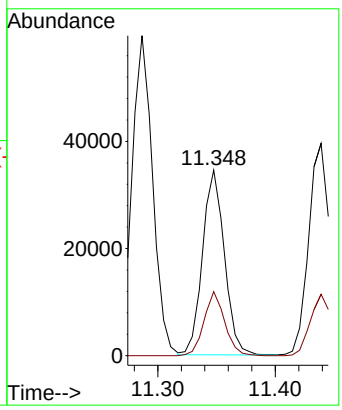


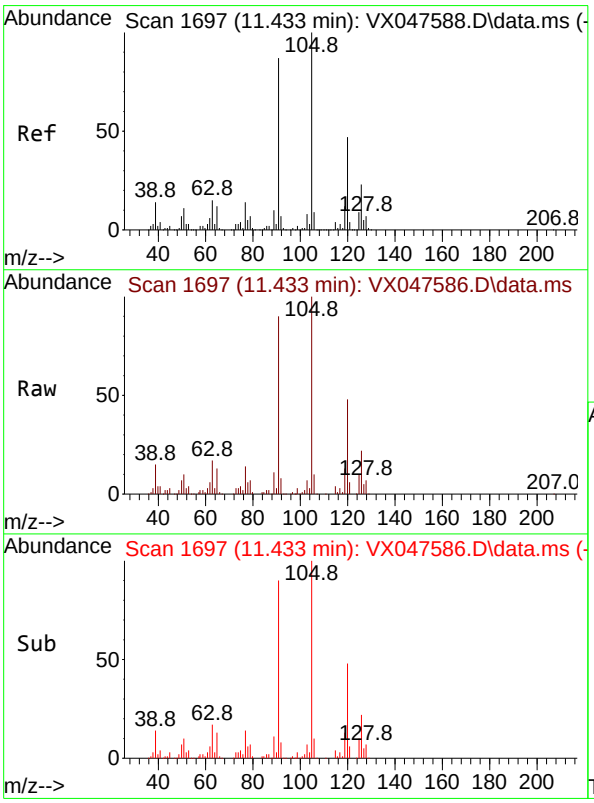

#79
2-Chlorotoluene
Concen: 5.194 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 44663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |

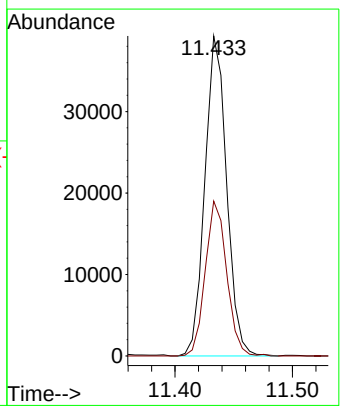


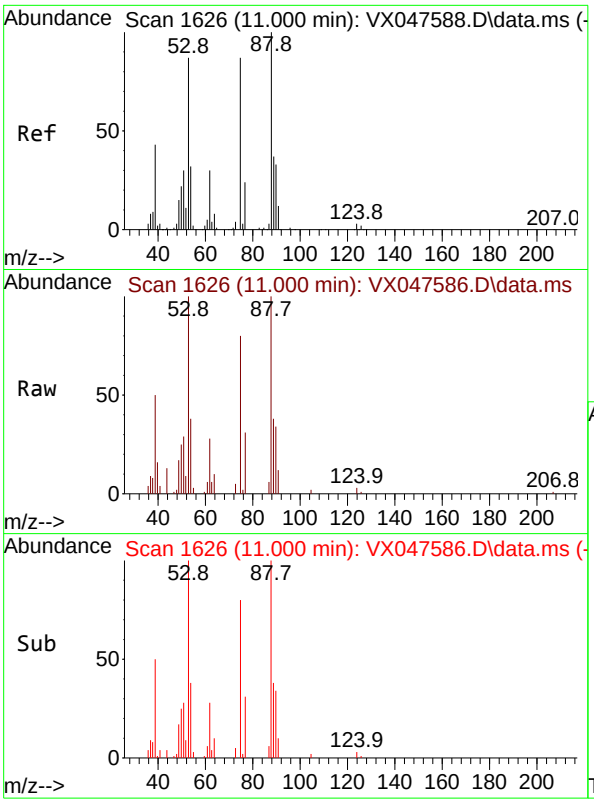




#80
1,3,5-Trimethylbenzene
Concen: 5.179 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 50535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.7 | 23.6 | 70.8 |



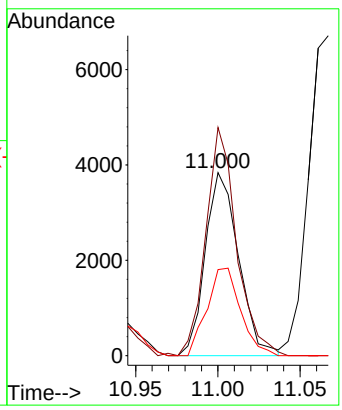


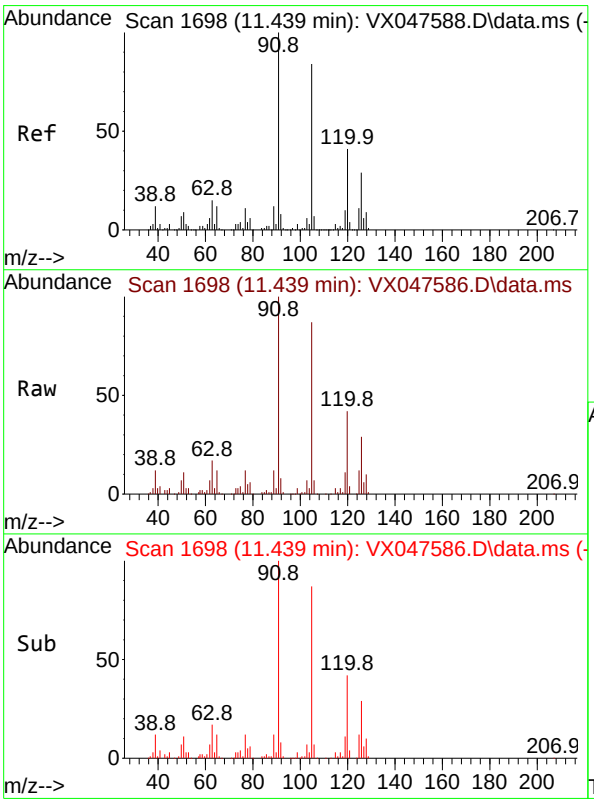

#81
trans-1,4-Dichloro-2-butene
Concen: 4.364 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 75 Resp: 5413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 114.9 | 83.4 | 125.2 |
| 89 | 48.3 | 36.3 | 54.5 |

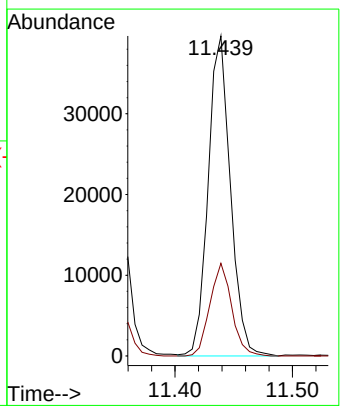


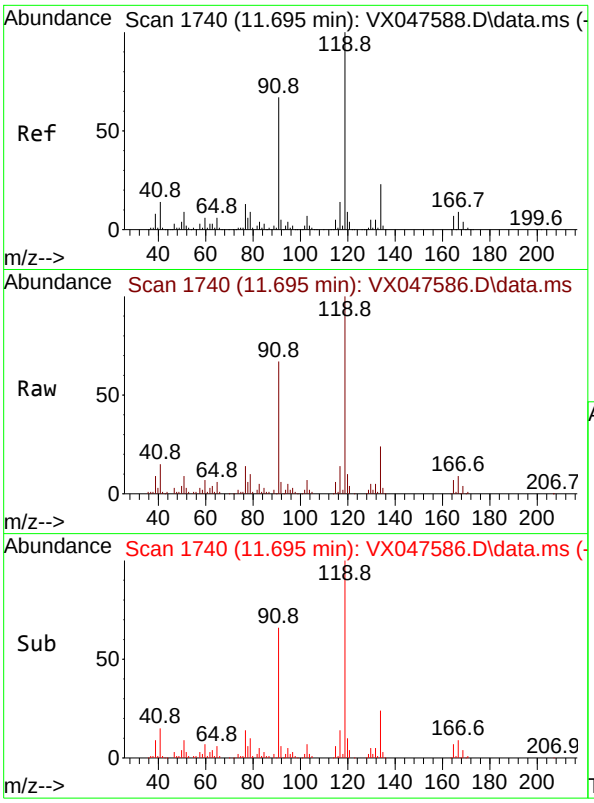




#82
4-Chlorotoluene
Concen: 5.149 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 91 Resp: 52294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.3 | 14.2 | 42.6 |



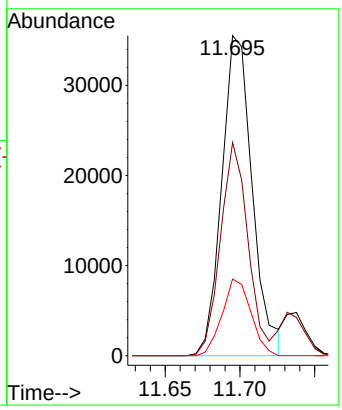


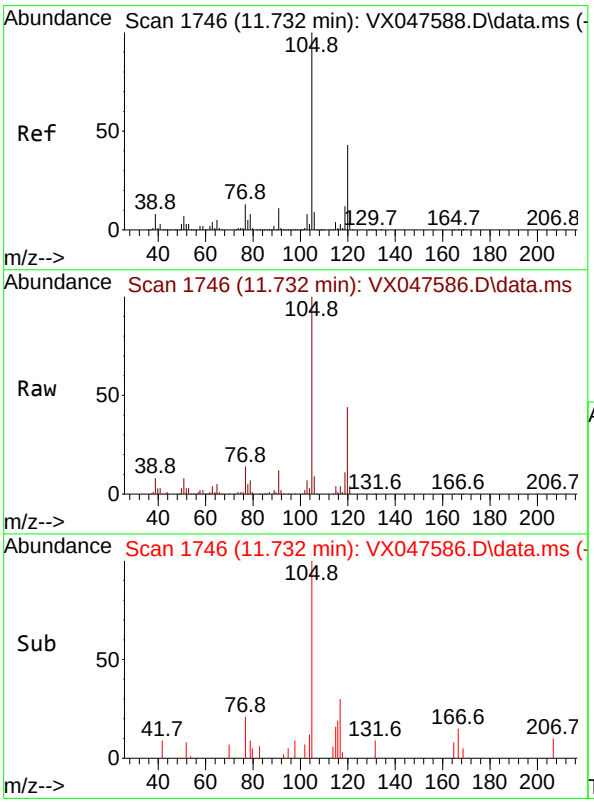

#83
tert-Butylbenzene
Concen: 5.041 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:119 Resp: 50350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 60.1 | 29.6 | 88.8 |
| 134 | 22.7 | 11.0 | 33.0 |

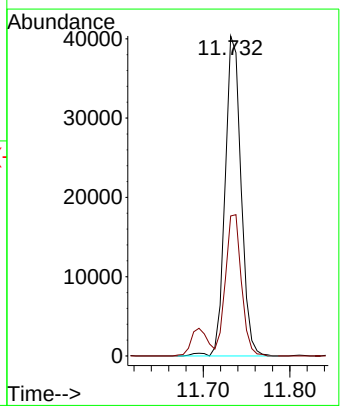


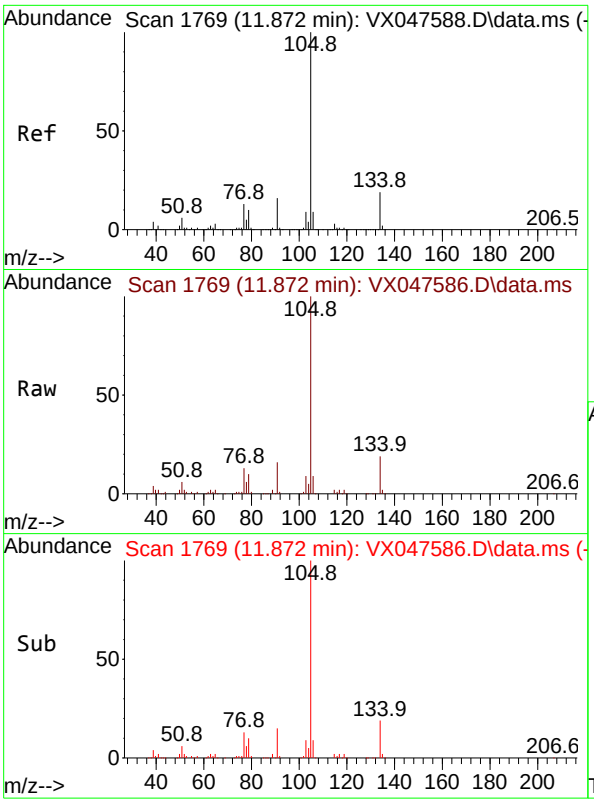




#84
1,2,4-Trimethylbenzene
Concen: 5.214 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:105 Resp: 51583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |



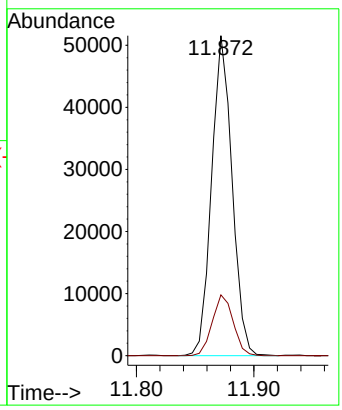


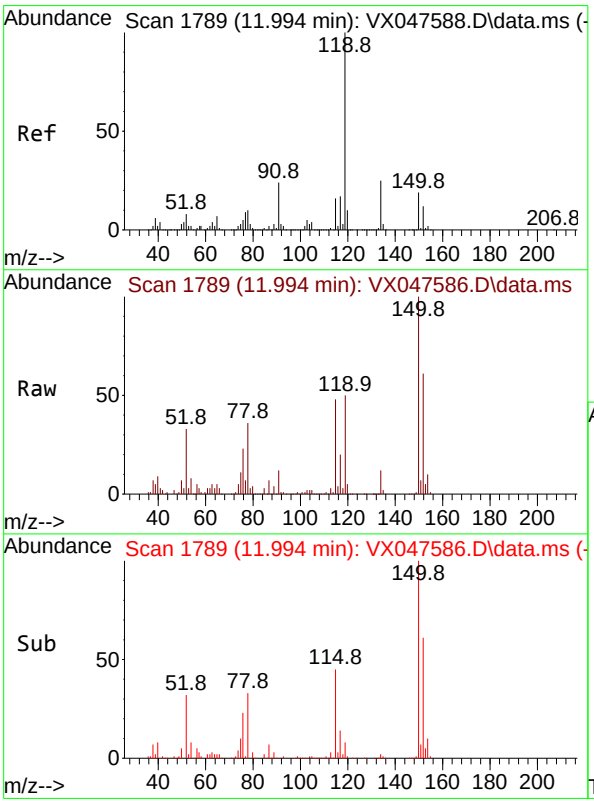

#85
sec-Butylbenzene
Concen: 5.268 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:105 Resp: 62507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |

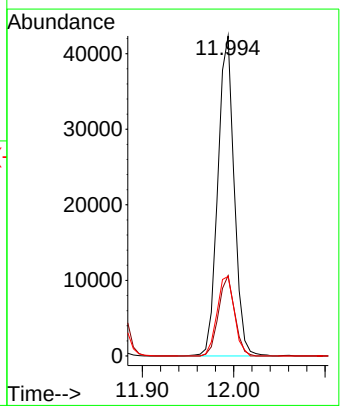


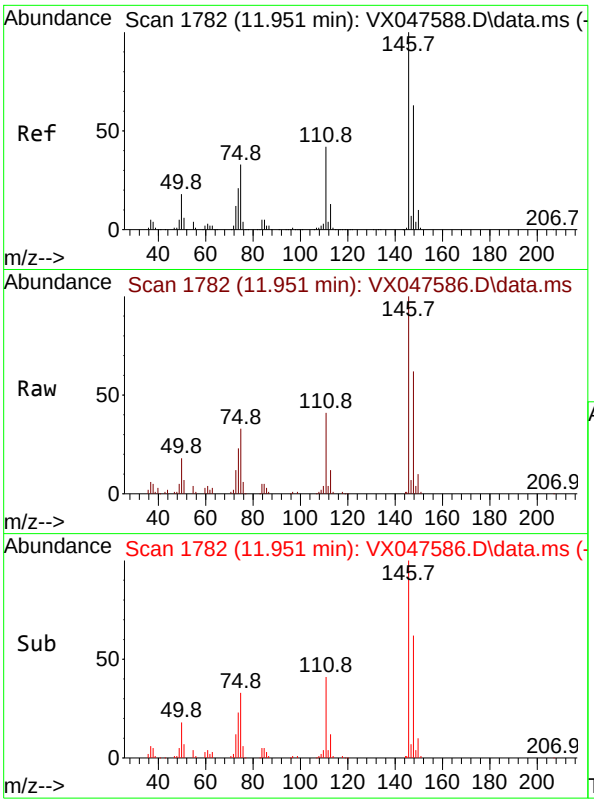




#86
p-Isopropyltoluene
Concen: 5.244 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:119 Resp: 52674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 24.7 | 12.6 | 37.8 |
| 91 | 26.2 | 12.6 | 37.6 |



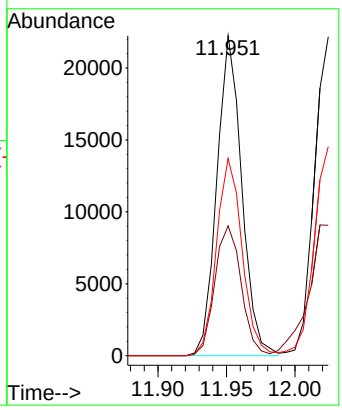


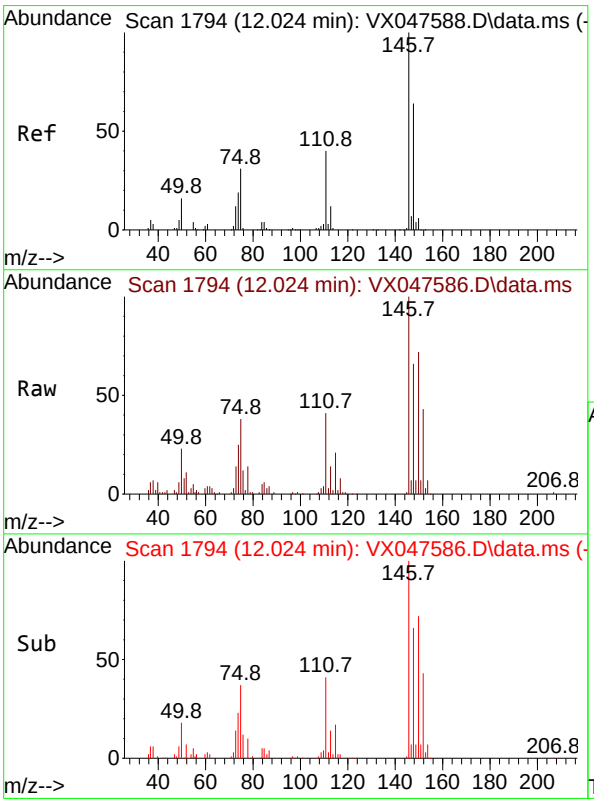

#87
1,3-Dichlorobenzene
Concen: 5.175 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 28116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.5 | 64.5 |
| 148 | 63.4 | 32.0 | 96.0 |

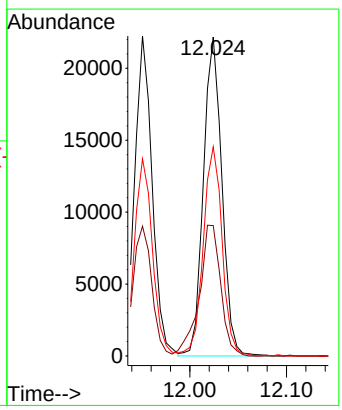


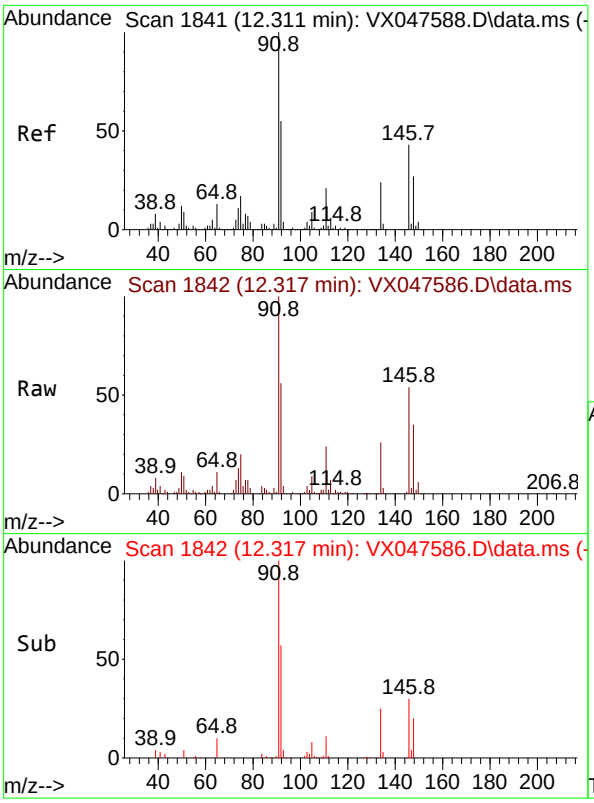




#88
1,4-Dichlorobenzene
Concen: 5.294 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:146 Resp: 29519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 47.8 | 20.8 | 62.4 |
| 148 | 66.9 | 31.7 | 95.1 |



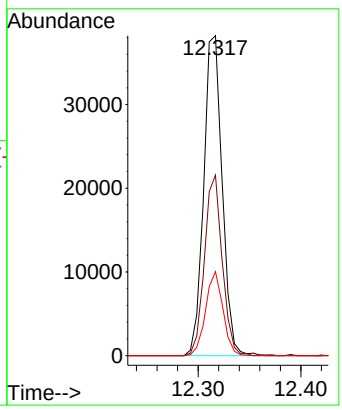


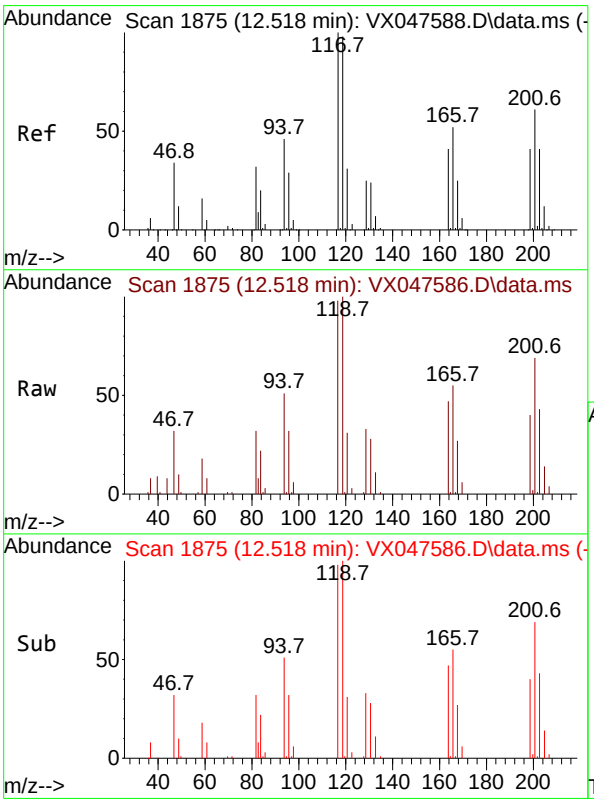

#89
n-Butylbenzene
Concen: 5.159 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion: 91 Resp: 47953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.1 | 27.6 | 82.7 |
| 134 | 24.6 | 12.6 | 37.8 |

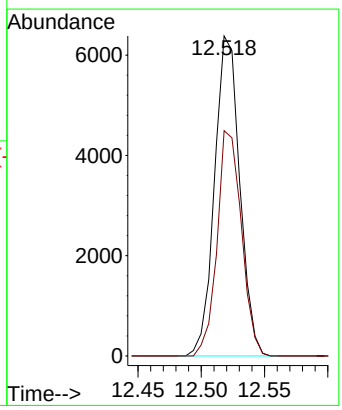


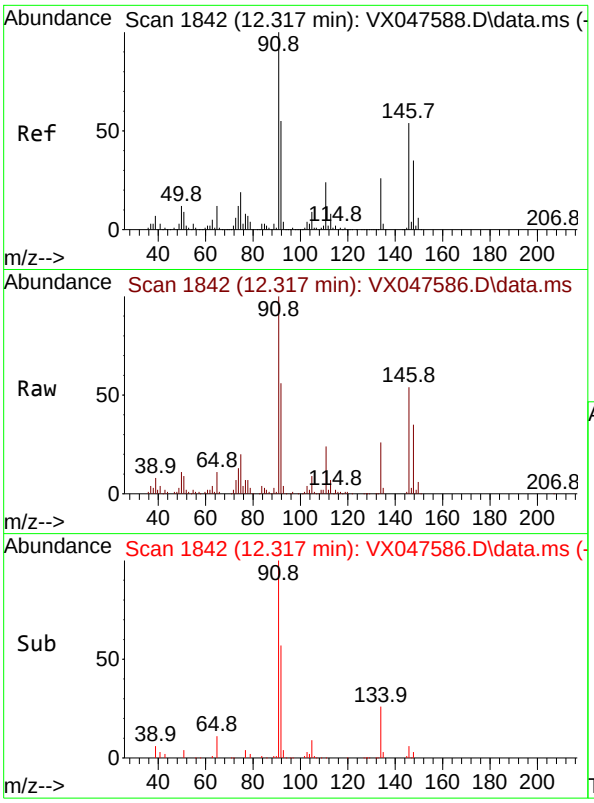




#90
Hexachloroethane
Concen: 5.007 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:117 Resp: 8830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.9 | 34.2 | 102.5 |



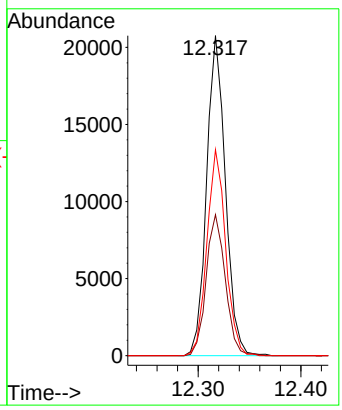


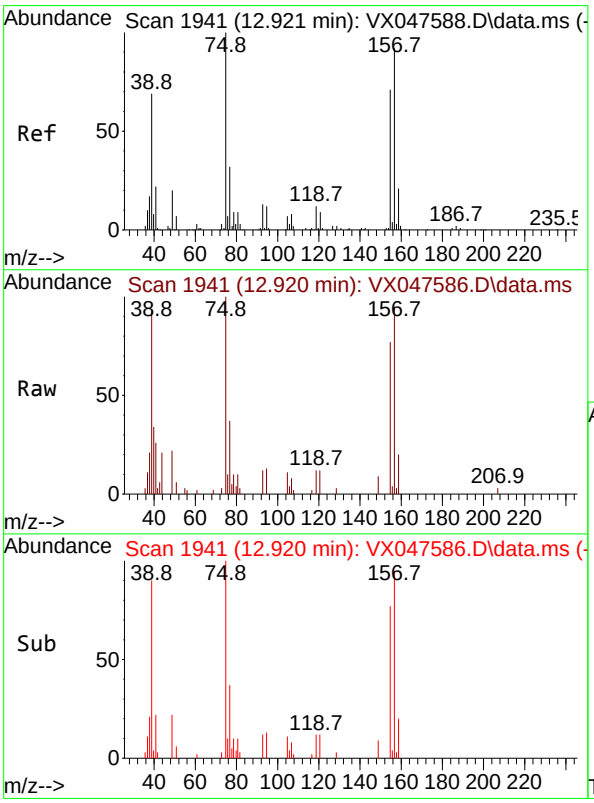

#91
1,2-Dichlorobenzene
Concen: 5.102 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:146 Resp: 26409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.9 | 22.2 | 66.6 |
| 148 | 64.2 | 31.8 | 95.4 |

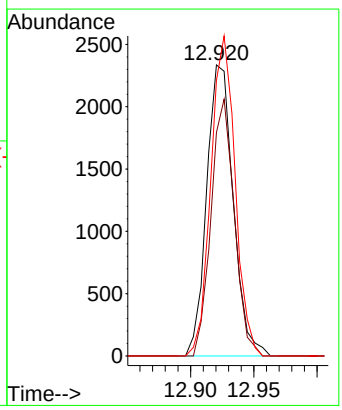


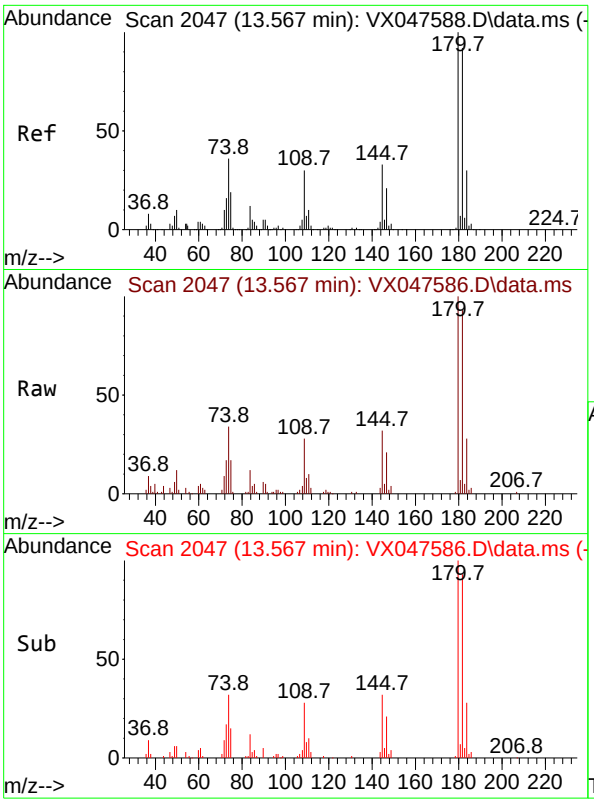




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.690 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion: 75 Resp: 3412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 77.4 | 37.7 | 113.1 |
| 157 | 100.1 | 49.8 | 149.4 |



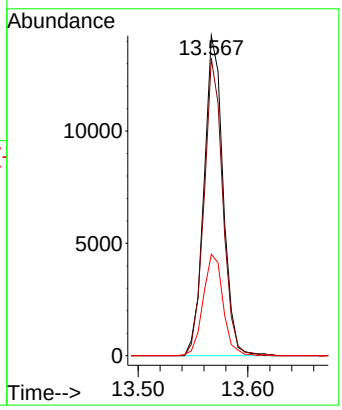


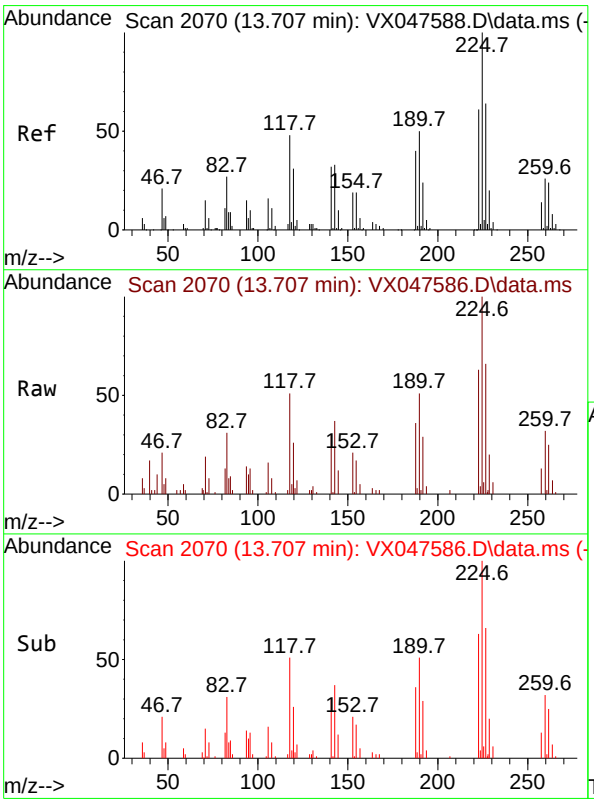

#93
1,2,4-Trichlorobenzene
Concen: 5.103 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:180 Resp: 17167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 91.2 | 46.6 | 139.8 |
| 145 | 33.2 | 16.4 | 49.1 |

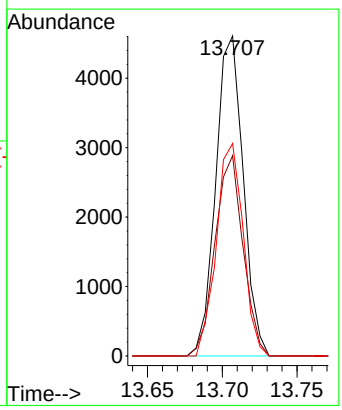


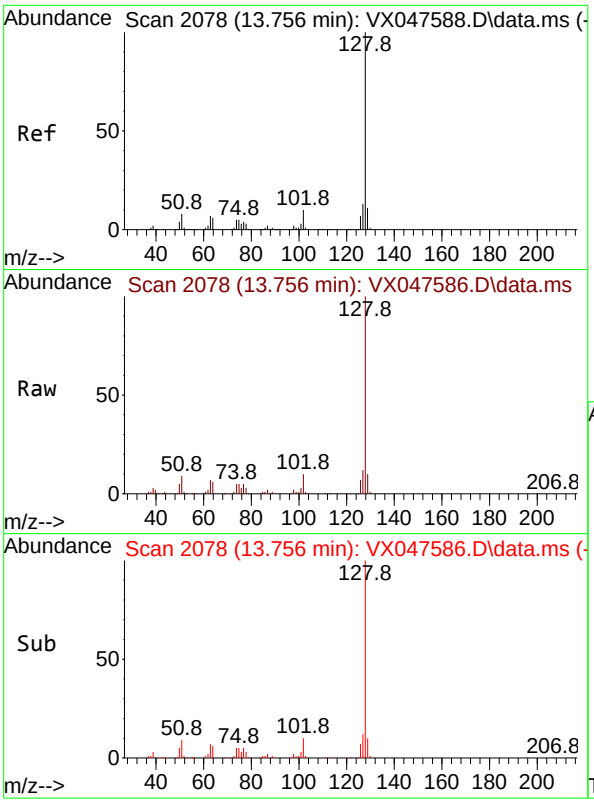




#94
Hexachlorobutadiene
Concen: 5.158 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:225 Resp: 5894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.7 | 95.1 |
| 227 | 64.7 | 32.0 | 96.0 |



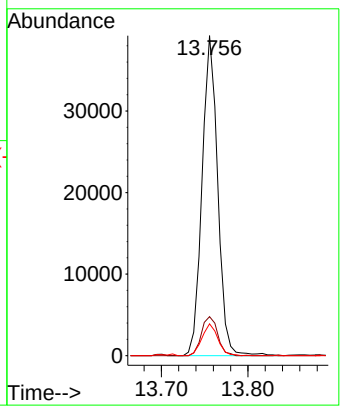


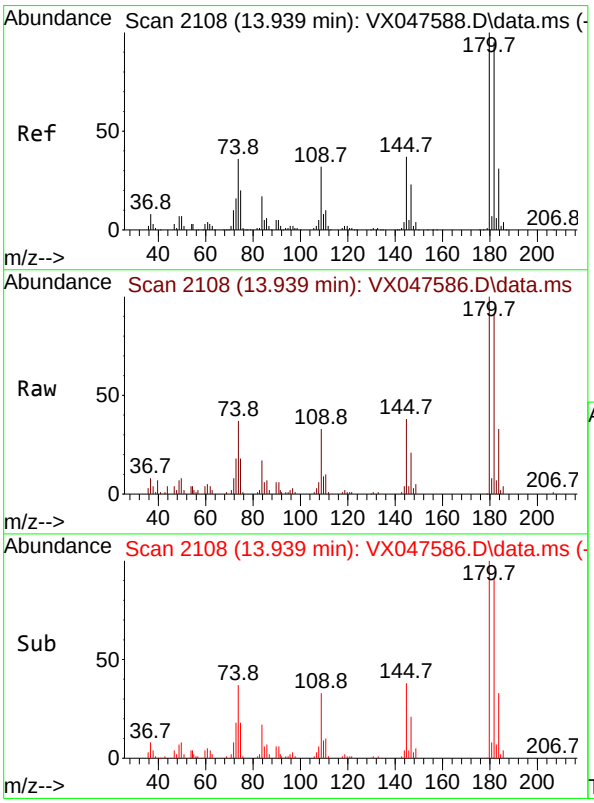

#95
Naphthalene
Concen: 4.808 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Tgt Ion:128 Resp: 49257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.1 | 8.8 | 13.2 |

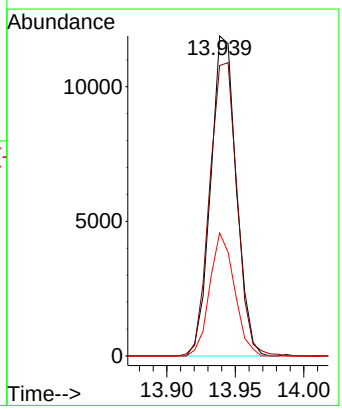



#96
1,2,3-Trichlorobenzene
Concen: 4.921 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047586.D
Acq: 16 Sep 2025 10:16

Tgt Ion:180 Resp: 15400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 98.0 | 47.6 | 142.8 |
| 145 | 37.1 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** MSVOA_X
**ClientSampleId :** VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 189559 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 336287 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 298629 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 141590 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 49073 | 16.264 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 32.520%# | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 35788 | 15.868 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 31.740%# | | | |
| 50) Toluene-d8 | 8.634 | 98 | 126875 | 16.258 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 32.520%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 48454 | 16.360 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 32.720%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 44126 | 22.480 | ug/l | 100 |
| 3) Chloromethane | 1.300 | 50 | 56023 | 21.716 | ug/l | 96 |
| 4) Vinyl Chloride | 1.386 | 62 | 54256 | 21.485 | ug/l | 96 |
| 5) Bromomethane | 1.617 | 94 | 34193 | 21.353 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 35551 | 21.063 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 78667 | 20.980 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 31335 | 20.429 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 45733 | 20.859 | ug/l | 98 |
| 10) Methyl Iodide | 2.459 | 142 | 69935 | 20.452 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.946 | 59 | 32456 | 96.582 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 46863 | 20.808 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 26159 | 84.473 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 94710 | 20.379 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 130143 | 104.554 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 151538 | 115.507 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 133296 | 21.620 | ug/l | 98 |
| 18) Methyl Acetate | 2.703 | 43 | 54120 | 18.536 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 168426 | 20.486 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 57153 | 20.581 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 50413 | 20.791 | ug/l | 94 |
| 22) Diisopropyl ether | 3.757 | 45 | 188598 | 20.940 | ug/l | 96 |
| 23) Vinyl Acetate | 3.715 | 43 | 765675 | 106.218 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 98509 | 20.578 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 179487 | 109.679 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 81413 | 20.459 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 60865 | 20.497 | ug/l | 98 |
| 28) Bromochloromethane | 4.891 | 49 | 34085 | 16.309 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.995 | 42 | 102935 | 104.560 | ug/l | 97 |
| 30) Chloroform | 5.080 | 83 | 103586 | 21.413 | ug/l | 99 |
| 31) Cyclohexane | 5.464 | 56 | 82770 | 20.759 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 86500 | 21.081 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 68395 | 20.754 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 74499 | 21.113 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.665 | 117 | 74636 | 20.844 | ug/l | 95 |
| 39) Methylcyclohexane | 7.366 | 83 | 79499 | 21.251 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 210711 | 21.051 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 38525 | 21.148 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 80646 | 21.175 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 119623 | 20.670 | ug/l | | 100 |
| 44) Trichloroethene | 7.110 | 130 | 51369 | 21.228 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 53046 | 20.697 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 38910 | 20.862 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.805 | 83 | 80831 | 21.002 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.677 | 41 | 60182 | 20.877 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 12047 | 413.530 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 338370 | 105.456 | ug/l | | 100 |
| 52) Toluene | 8.708 | 92 | 129193 | 20.950 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 80972 | 20.625 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 86648 | 20.650 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.140 | 97 | 49857 | 20.967 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 79011 | 21.158 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 85511 | 20.934 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 141395 | 86.617 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 250007 | 108.488 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 57994 | 21.167 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 51614 | 21.310 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.262 | 164 | 40840 | 20.979 | ug/l | | 95 |
| 65) Chlorobenzene | 10.061 | 112 | 140642 | 20.731 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 48022 | 20.513 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 244737 | 20.907 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 182778 | 41.951 | ug/l | | 100 |
| 69) o-Xylene | 10.628 | 106 | 87651 | 20.799 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 154077 | 20.866 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 35922 | 20.550 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 225730 | 20.970 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 104823 | 21.354 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 68132 | 20.920 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.225 | 75 | 76996 | 26.858 | ug/l | | 89 |
| 77) Bromobenzene | 11.183 | 156 | 56161 | 21.183 | ug/l | | 99 |
| 78) n-propylbenzene | 11.286 | 91 | 268399 | 21.092 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 166237 | 21.329 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 187513 | 21.202 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 21553 | 19.173 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 193122 | 20.980 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 189484 | 20.929 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 191477 | 21.355 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.872 | 105 | 223434 | 20.777 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 190931 | 20.972 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 103584 | 21.035 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 105819 | 20.937 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 176373 | 20.937 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 32526 | 20.349 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 99493 | 21.207 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 13729 | 20.821 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 62722 | 20.571 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 20456 | 19.751 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 193134 | 20.801 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 58409 | 20.593 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

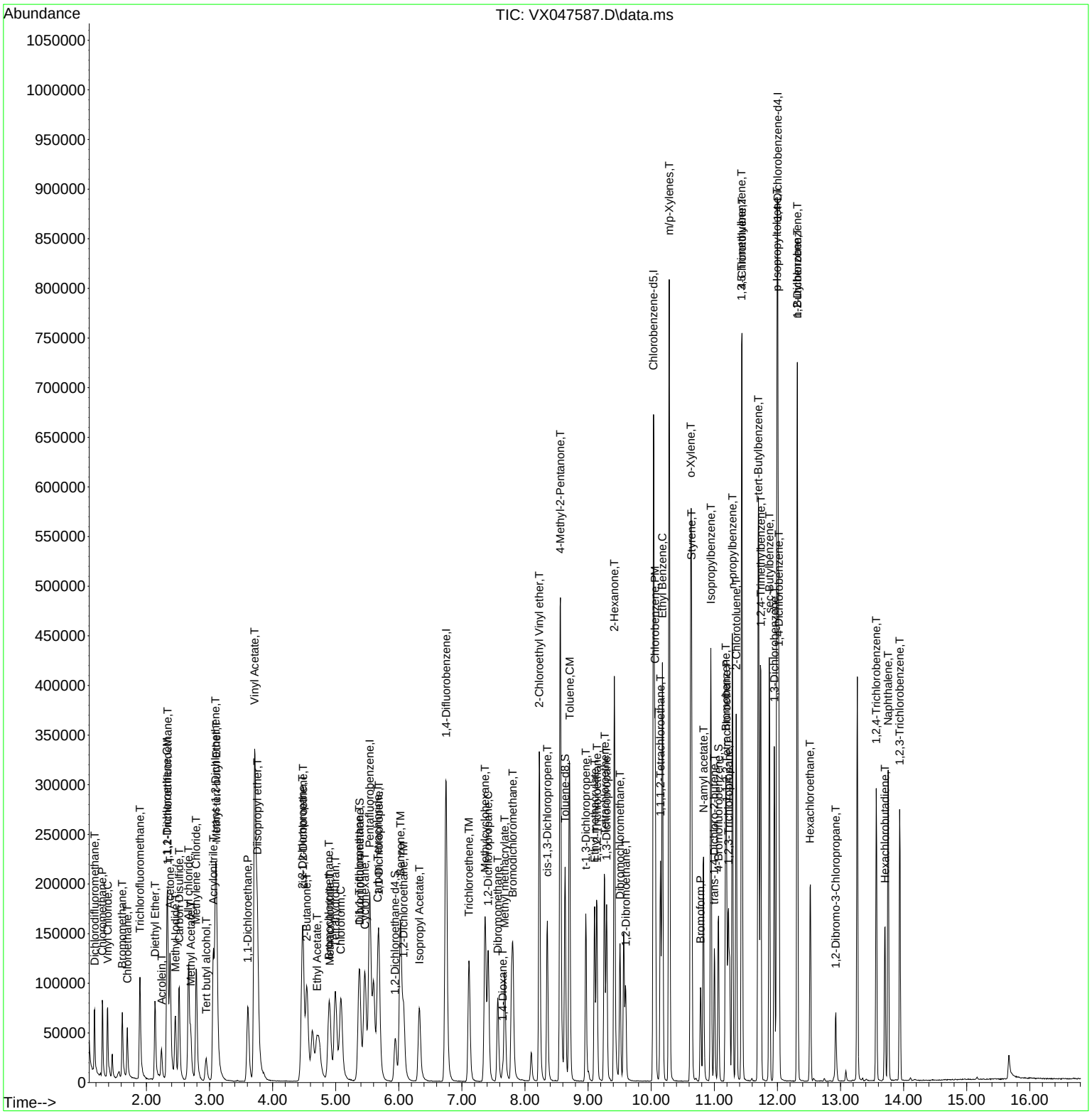
(#) = qualifier out of range (m) = manual integration (+) = signals summed

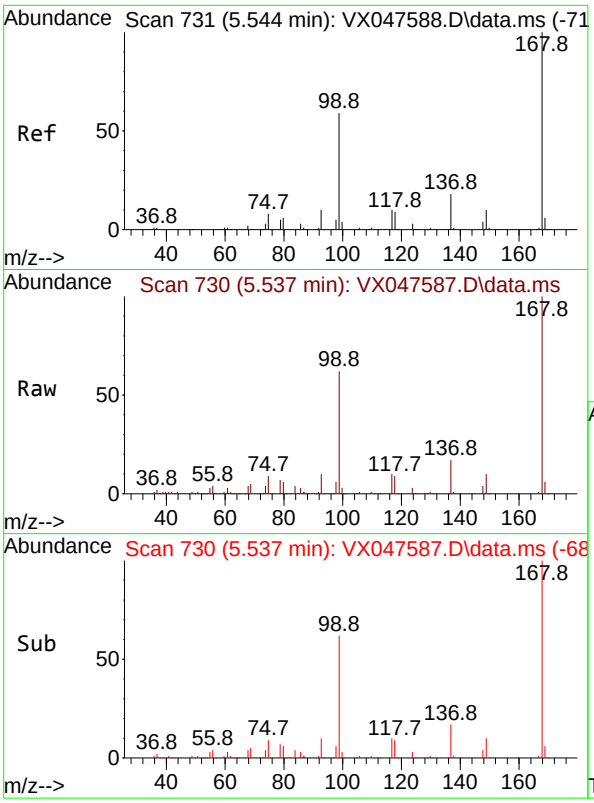
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Sep 22 01:49:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



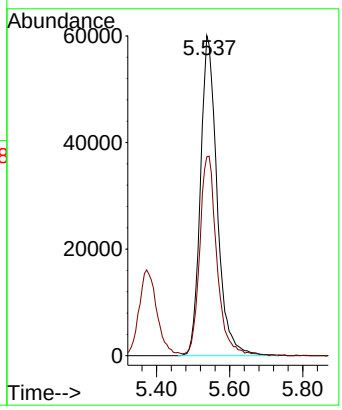


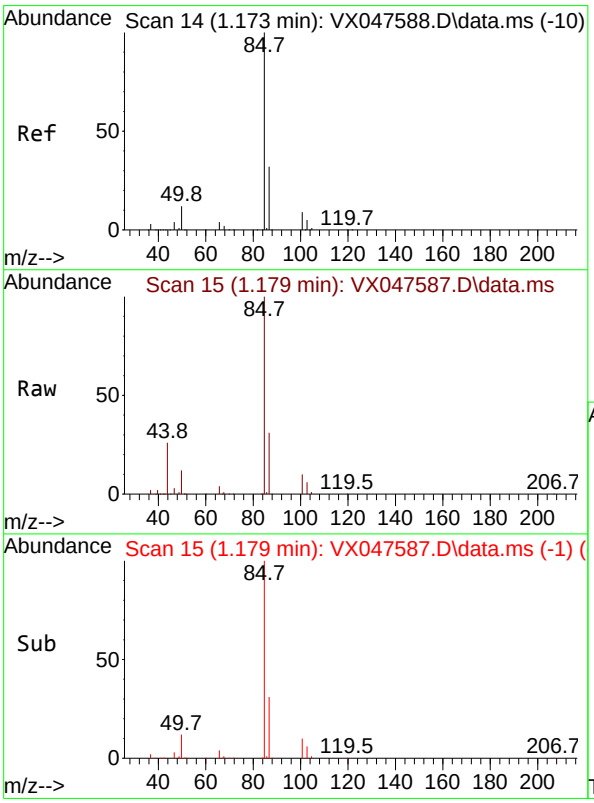

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:168 Resp: 189559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.9 | 48.8 | 73.2 |

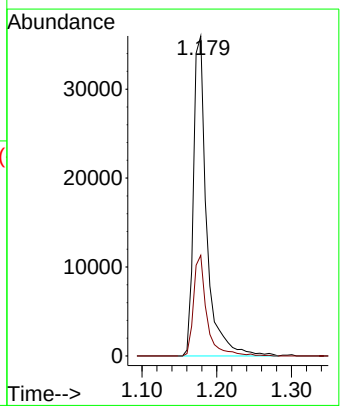


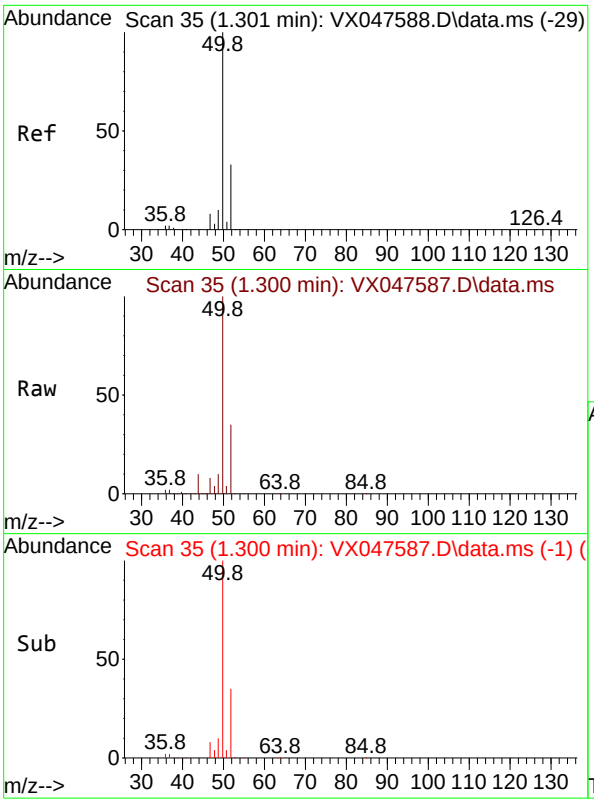




#2
Dichlorodifluoromethane
Concen: 22.480 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 85 Resp: 44126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.8 | 47.3 |



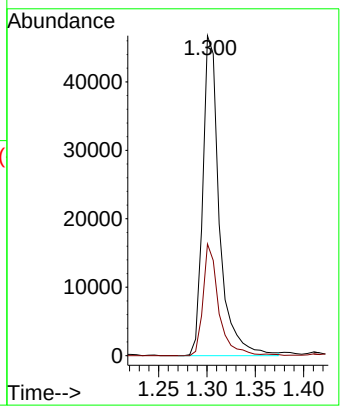


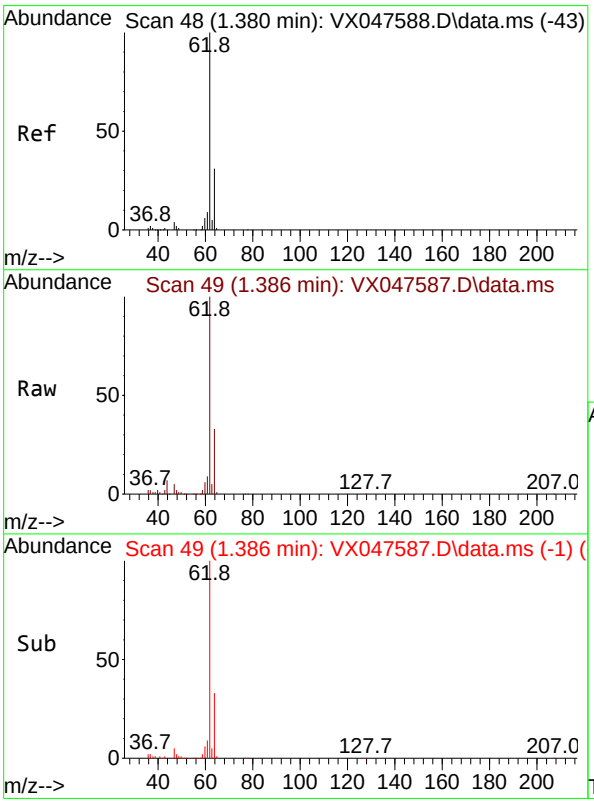

#3
Chloromethane
Concen: 21.716 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 50 Resp: 56023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.9 | 26.1 | 39.1 |

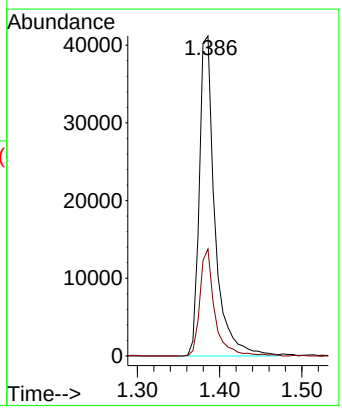


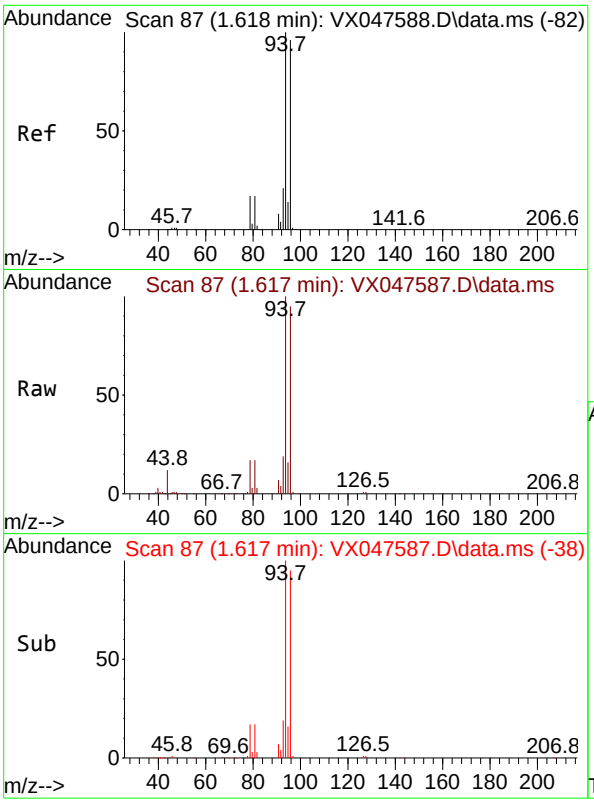




#4
Vinyl Chloride
Concen: 21.485 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 54256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 33.4 | 24.9 | 37.3 |



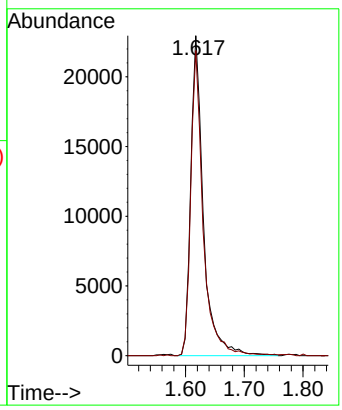


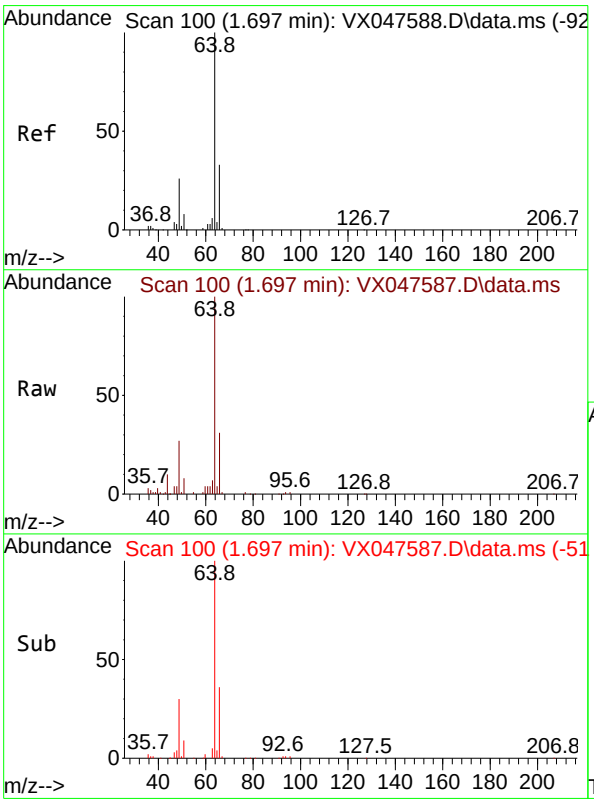

#5
Bromomethane
Concen: 21.353 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 94 Resp: 34193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 76.6 | 115.0 |

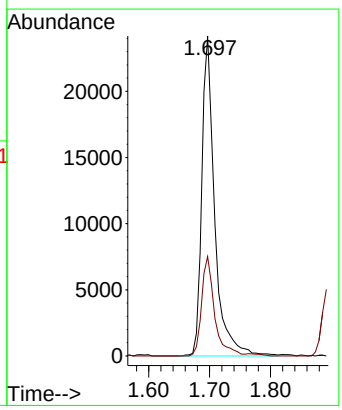


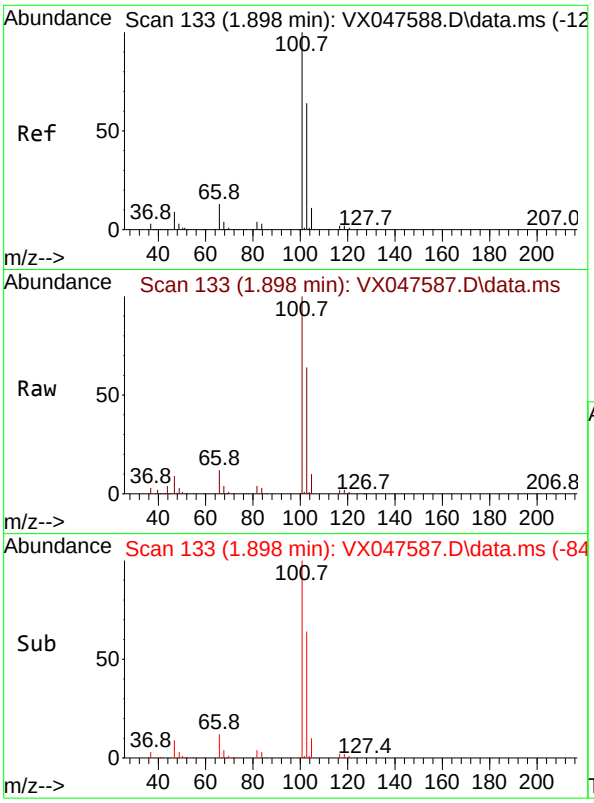




#6
Chloroethane
Concen: 21.063 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 64 Resp: 35551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.0 | 26.1 | 39.1 |



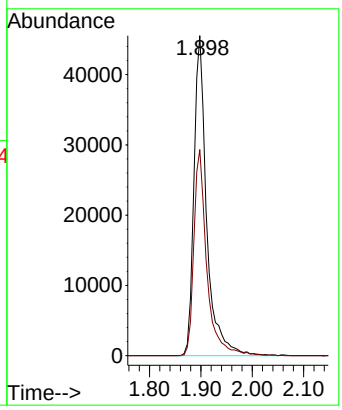


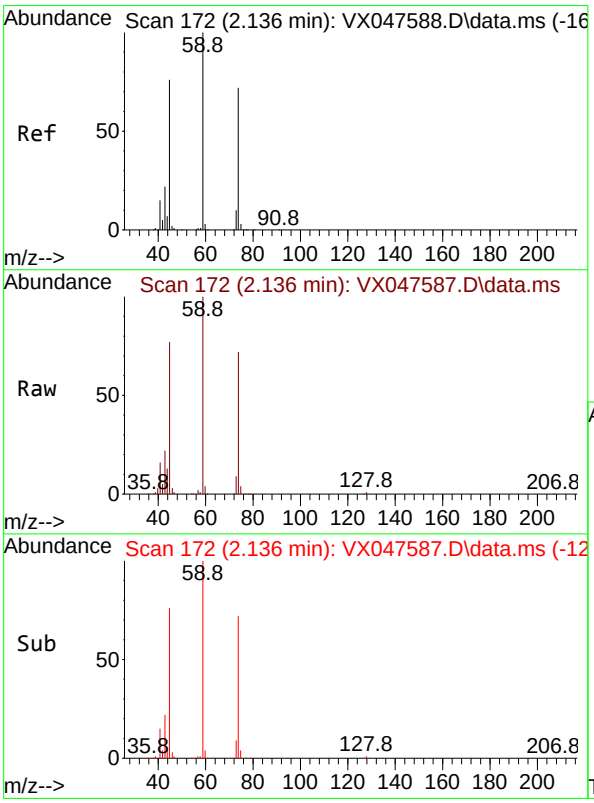

#7
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 78667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.4 | 51.4 | 77.2 |

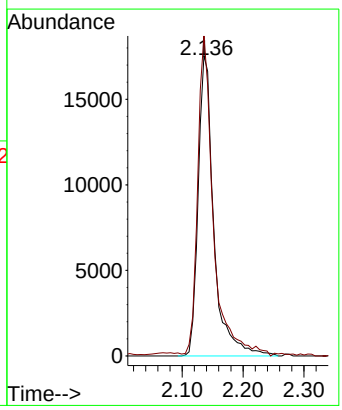


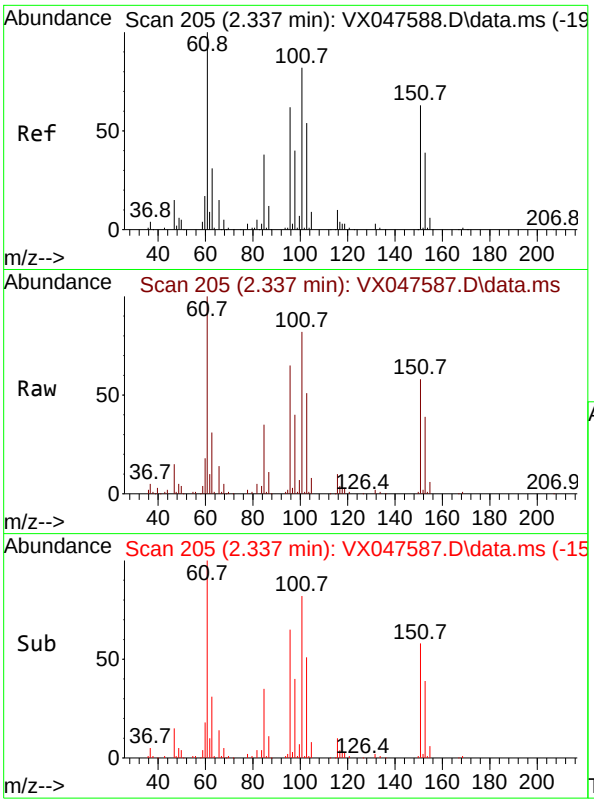




#8
Diethyl Ether
Concen: 20.429 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 74 Resp: 31335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.0 | 52.3 | 156.8 |



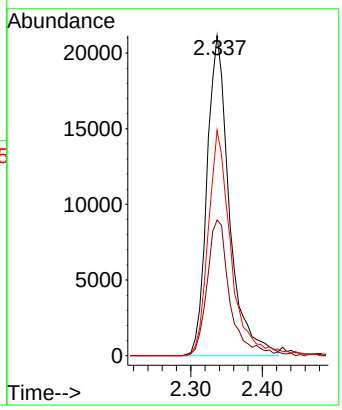


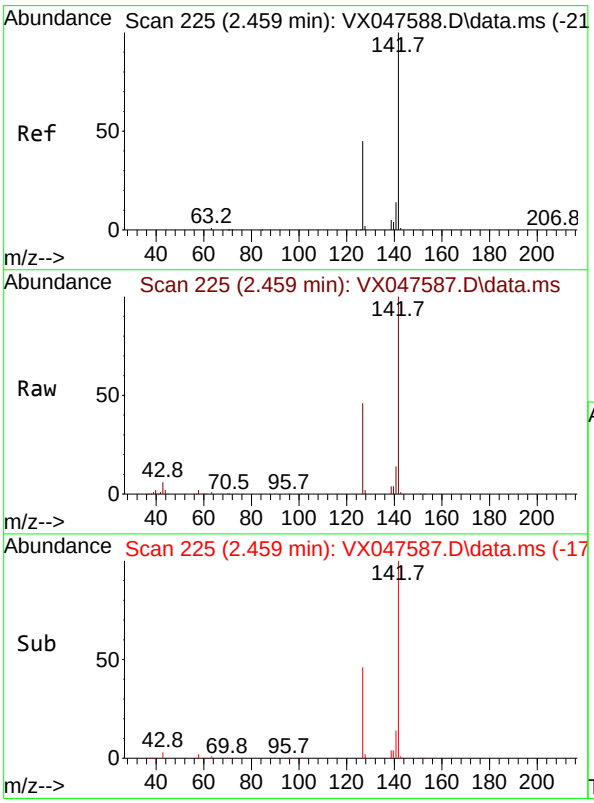

#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.859 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:101 Resp: 45733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.5 | 53.3 |
| 151 | 72.1 | 59.4 | 89.0 |

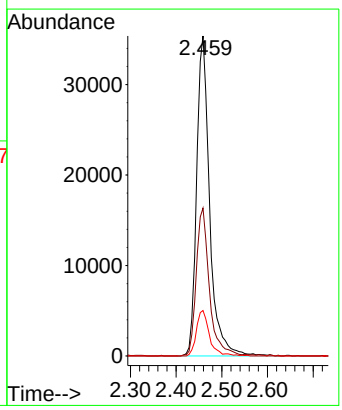


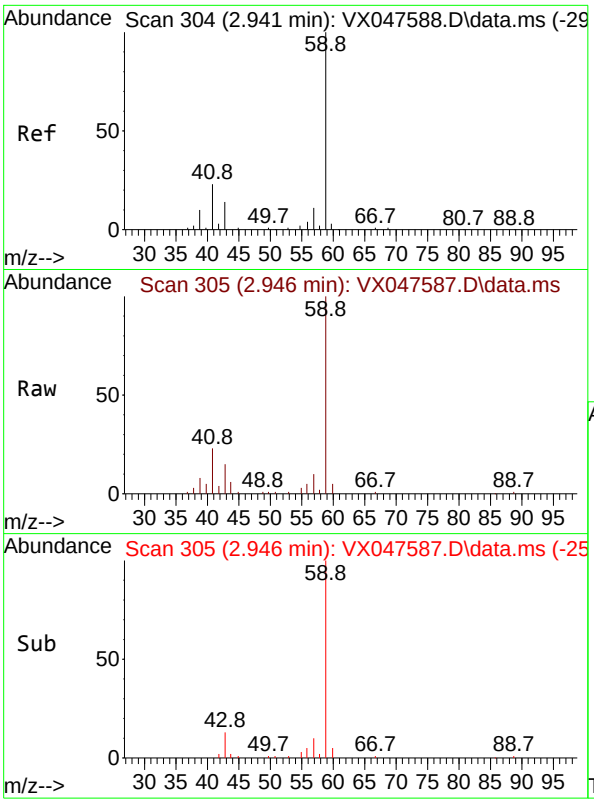




#10
Methyl Iodide
Concen: 20.452 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:142 Resp: 69935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.9 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |



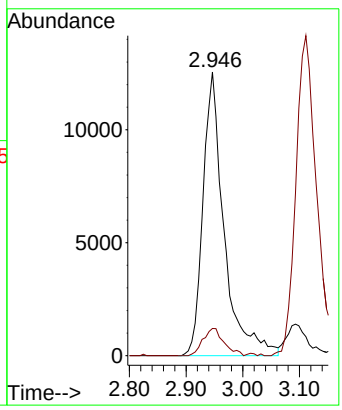


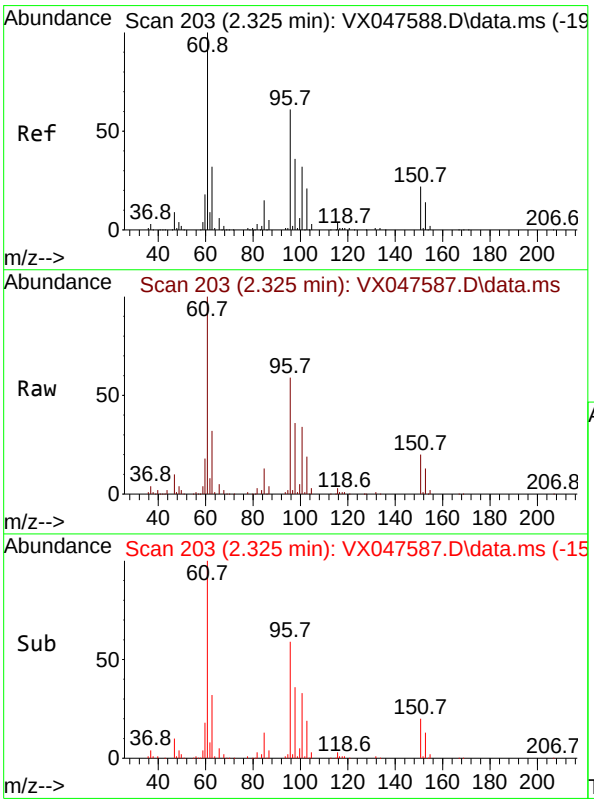

#11
Tert butyl alcohol
Concen: 96.582 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 59 Resp: 32456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.5 | 8.3 | 12.5 |

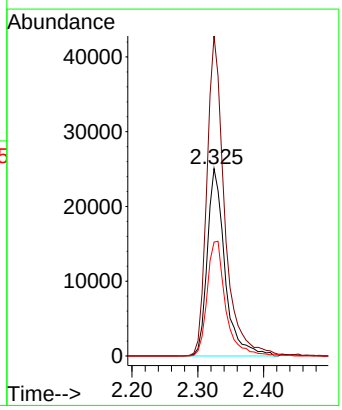


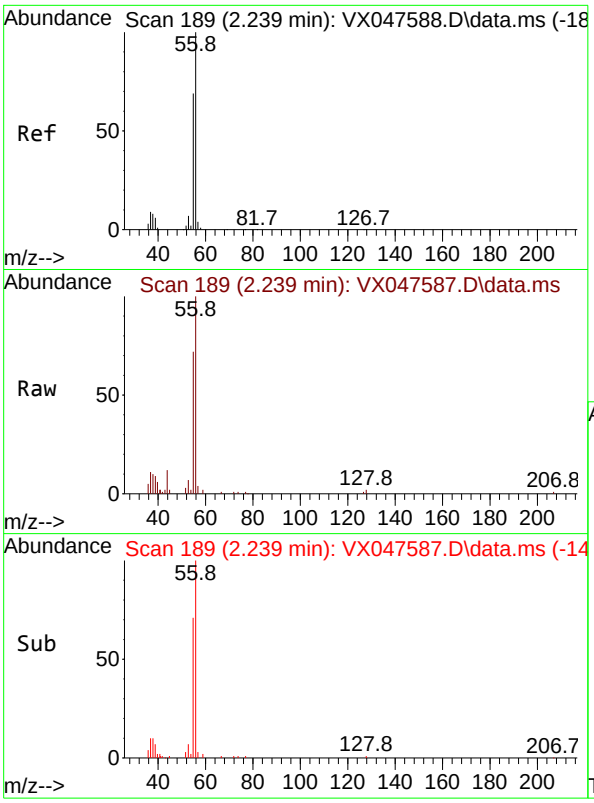




#12
1,1-Dichloroethene
Concen: 20.808 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 96 Resp: 46863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 170.7 | 131.0 | 196.6 |
| 98 | 60.8 | 47.7 | 71.5 |



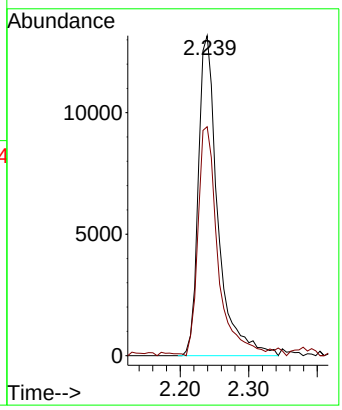


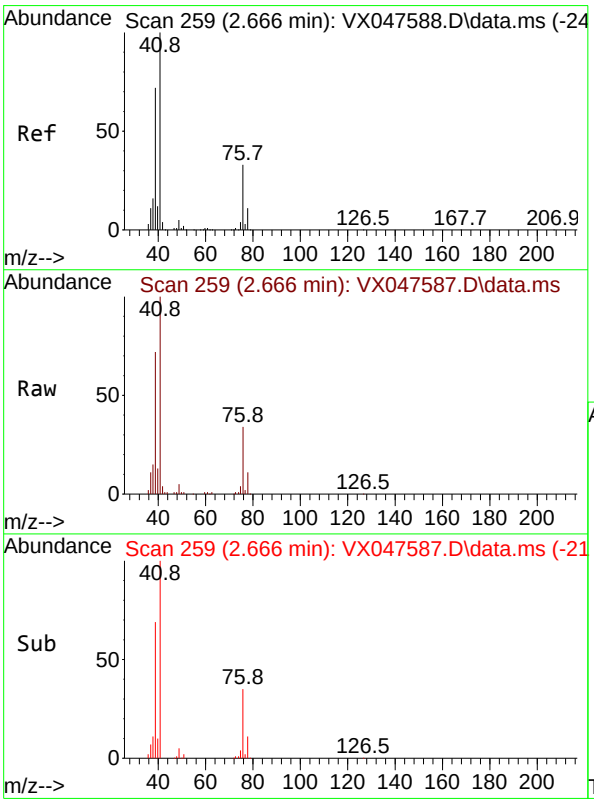

#13
Acrolein
Concen: 84.473 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 26159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 57.2 | 85.8 |

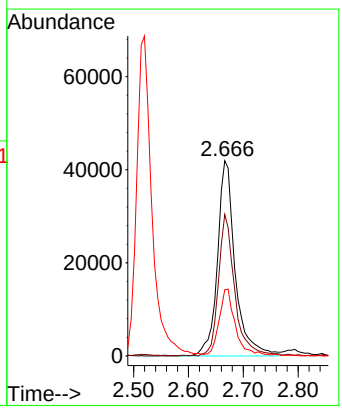


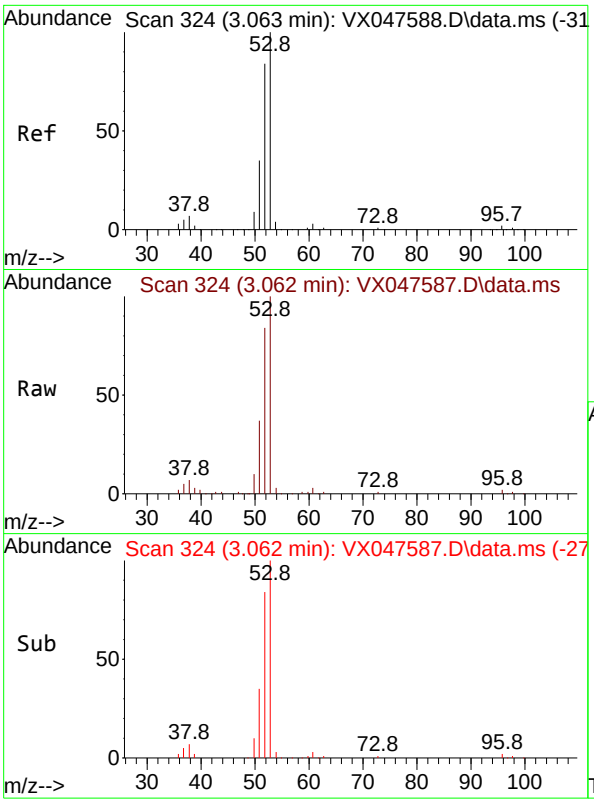




#14
Allyl chloride
Concen: 20.379 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 94710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.5 | 54.7 | 82.1 |
| 76 | 30.3 | 25.7 | 38.5 |



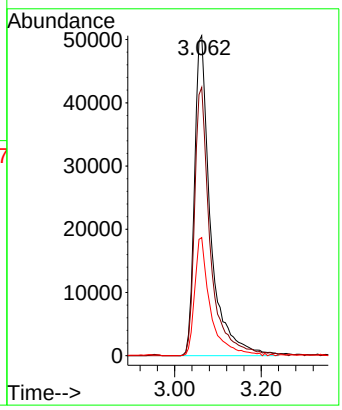


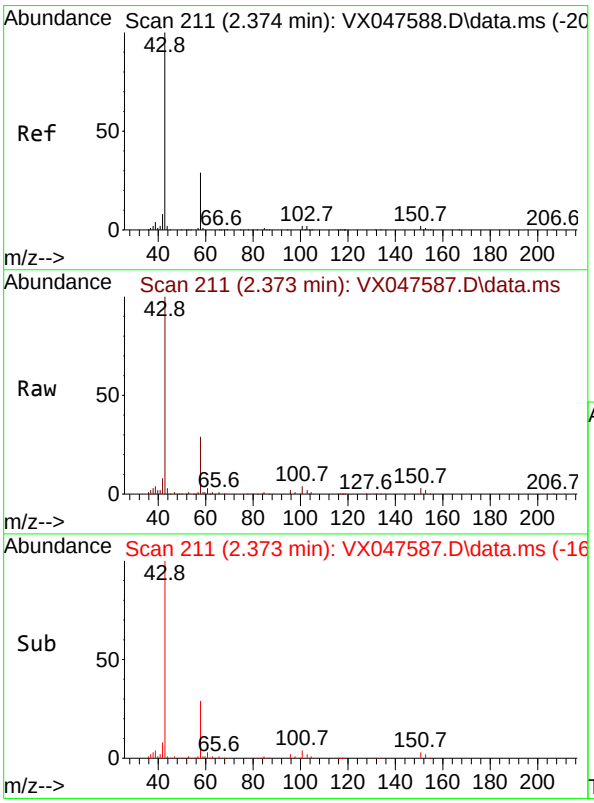

#15
Acrylonitrile
Concen: 104.554 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 53 Resp: 130143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |

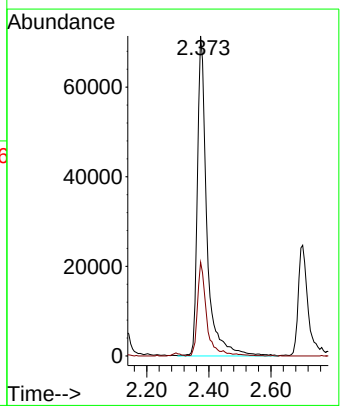


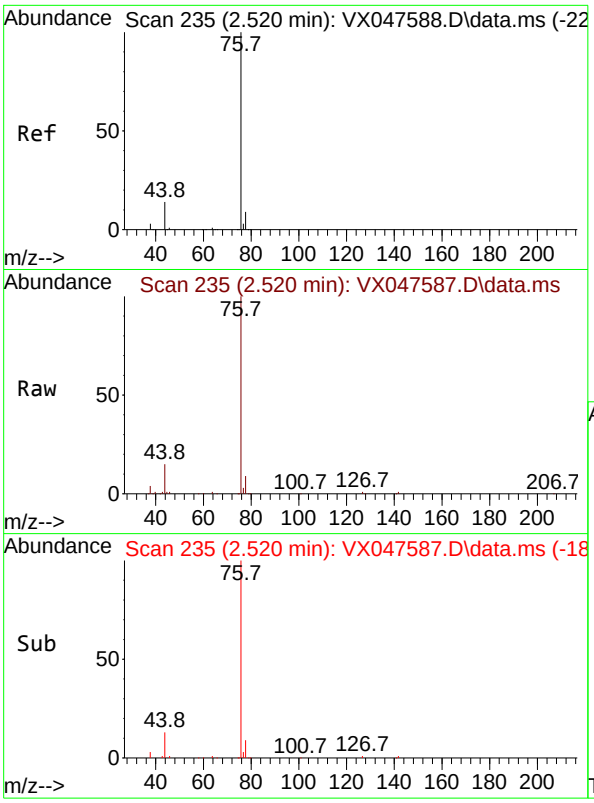




#16
Acetone
Concen: 115.507 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 151538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.3 | 23.4 | 35.0 |



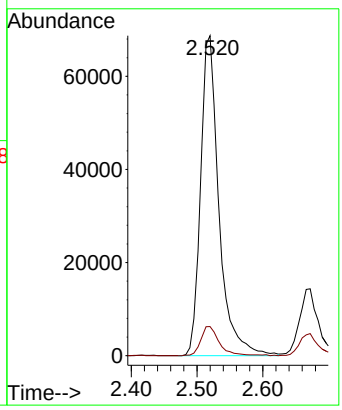


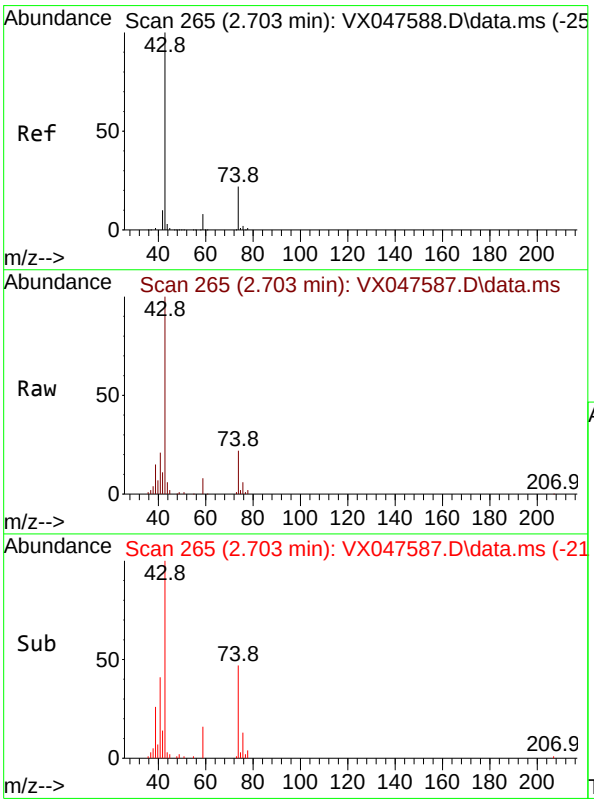

#17
Carbon Disulfide
Concen: 21.620 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 133296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.1 | 6.8 | 10.2 |

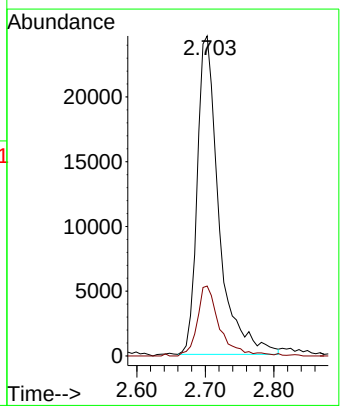


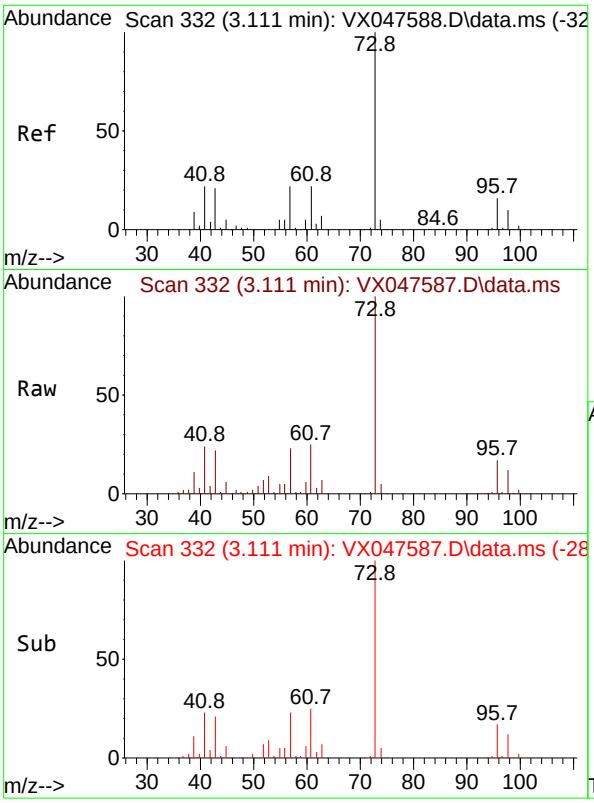




#18
Methyl Acetate
Concen: 18.536 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 54120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |



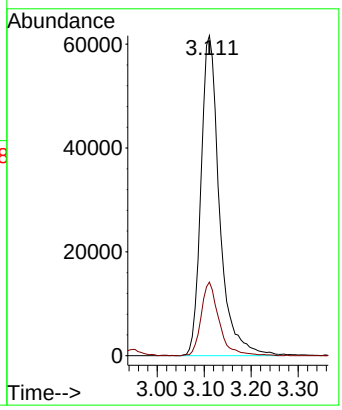


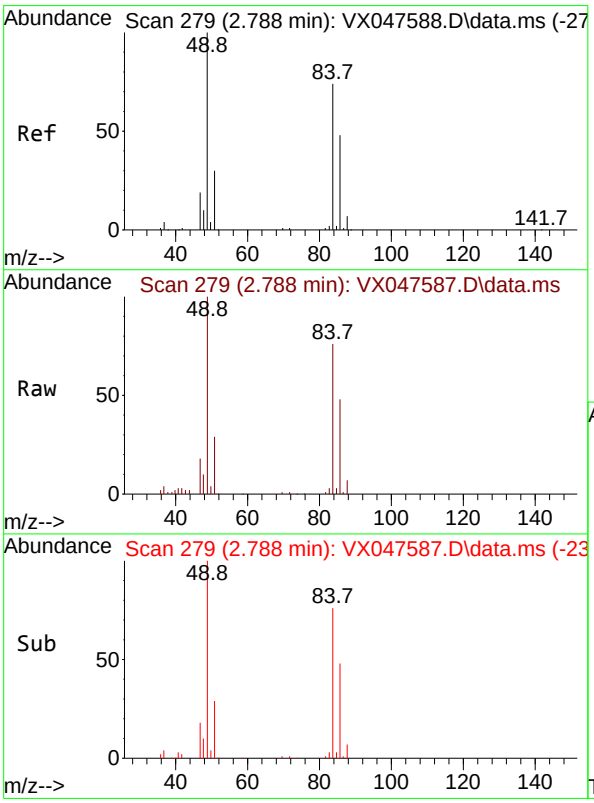

#19
Methyl tert-butyl Ether
Concen: 20.486 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 73 Resp: 168426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 23.0 | 17.4 | 26.2 |

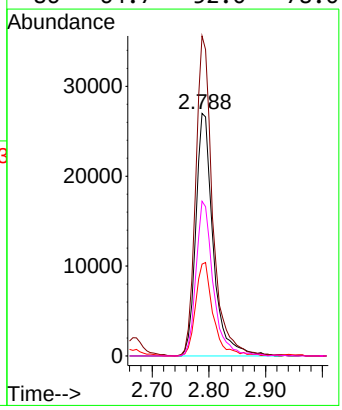


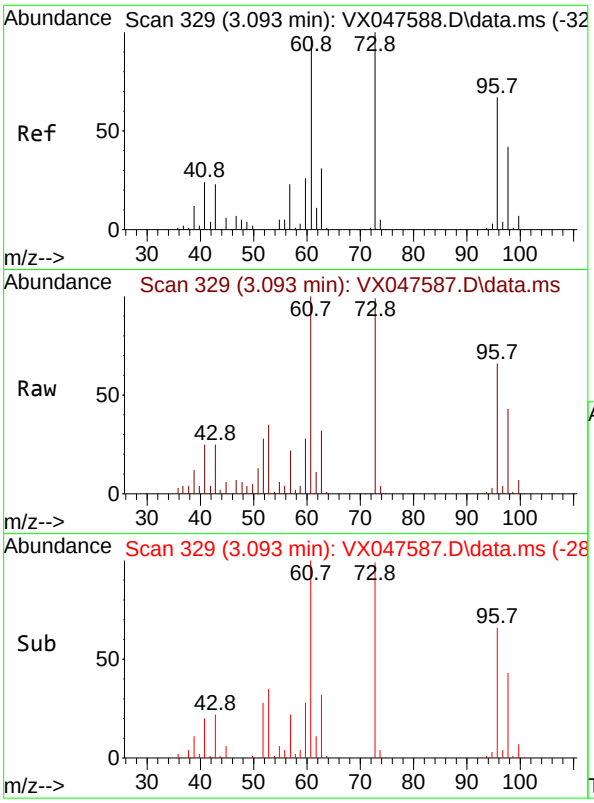




#20
Methylene Chloride
Concen: 20.581 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 84 Resp: 57153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.7 | 108.6 | 162.8 |
| 51 | 37.9 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |



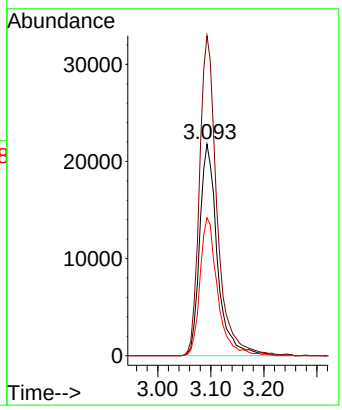


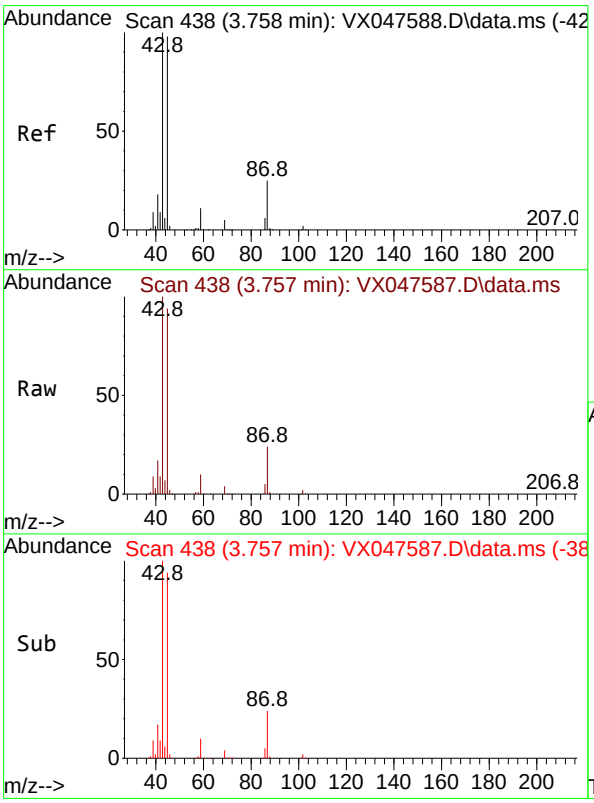

#21
trans-1,2-Dichloroethene
Concen: 20.791 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 50413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.3 | 116.2 | 174.2 |
| 98 | 67.2 | 49.3 | 73.9 |

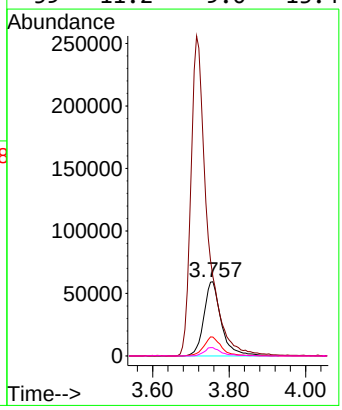


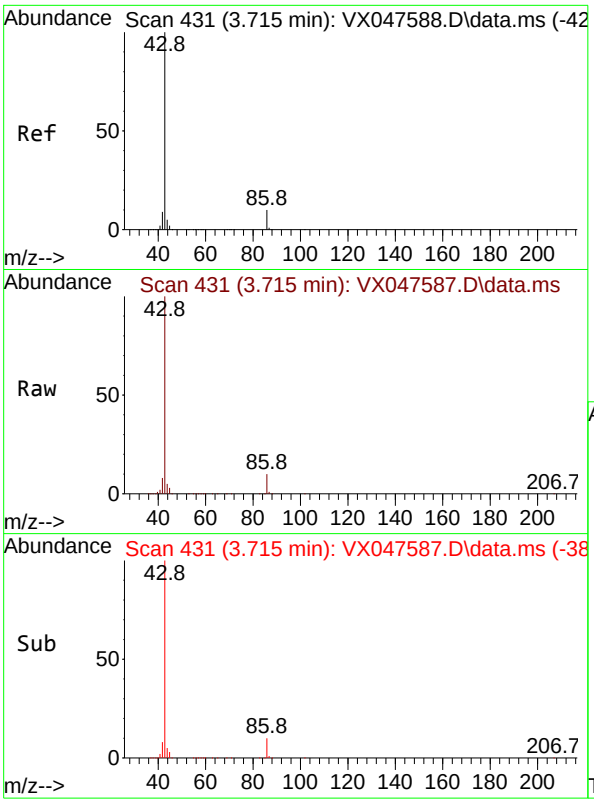




#22
Diisopropyl ether
Concen: 20.940 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 45 Resp: 188598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 106.1 | 81.0 | 121.4 |
| 87 | 25.5 | 20.3 | 30.5 |
| 59 | 11.2 | 9.0 | 13.4 |



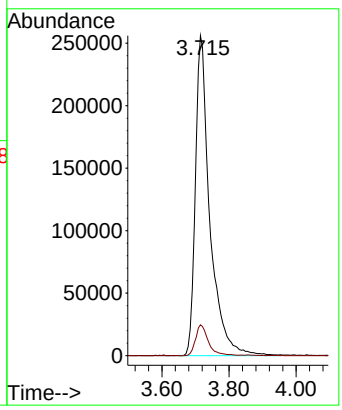


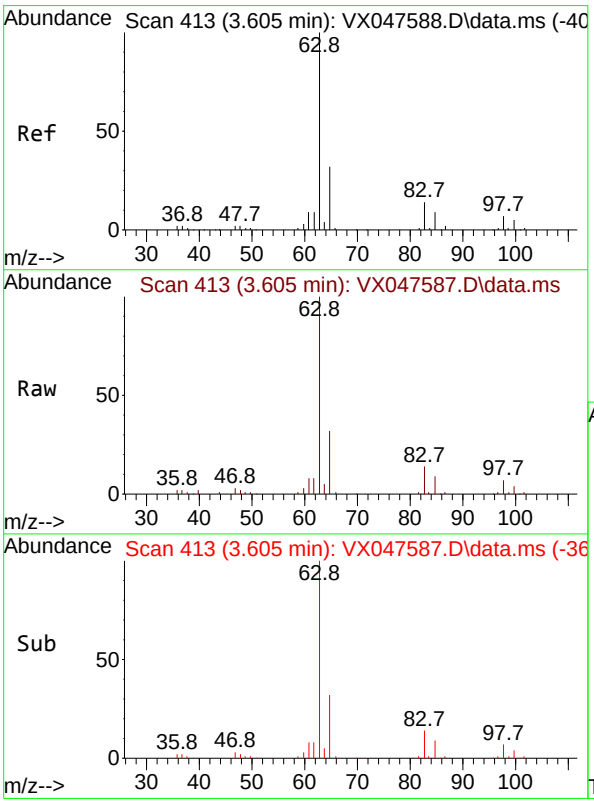

#23
Vinyl Acetate
Concen: 106.218 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 765675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.6 | 7.8 | 11.8 |

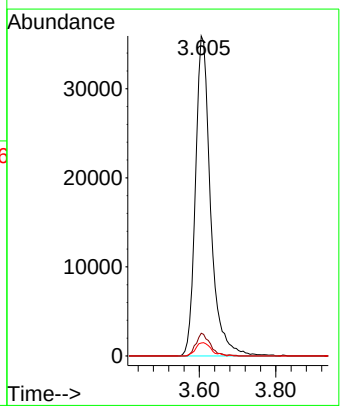


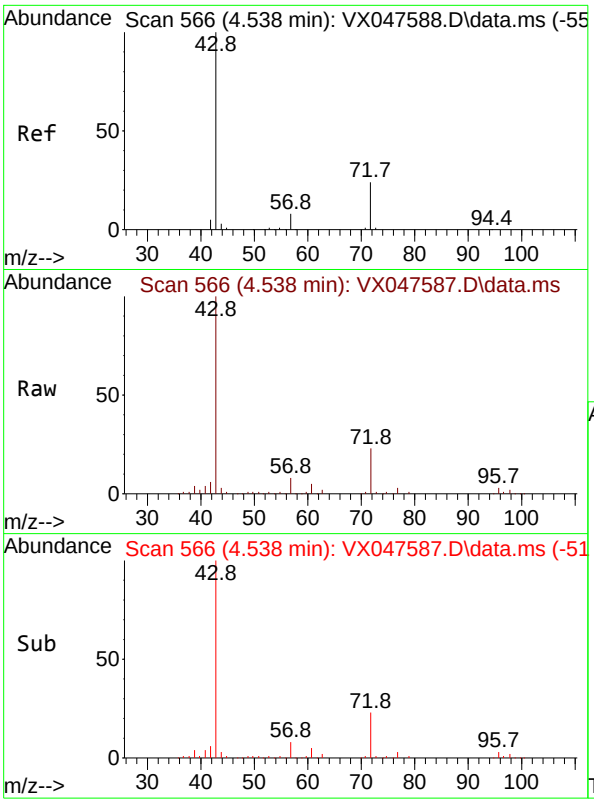




#24
1,1-Dichloroethane
Concen: 20.578 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 98509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.2 |
| 100 | 4.1 | 2.3 | 6.9 |



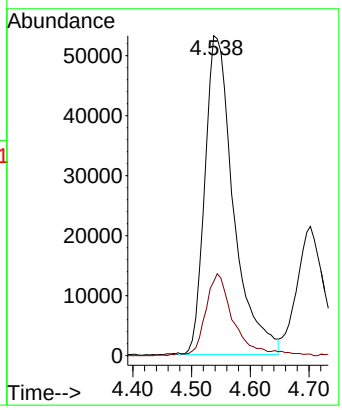


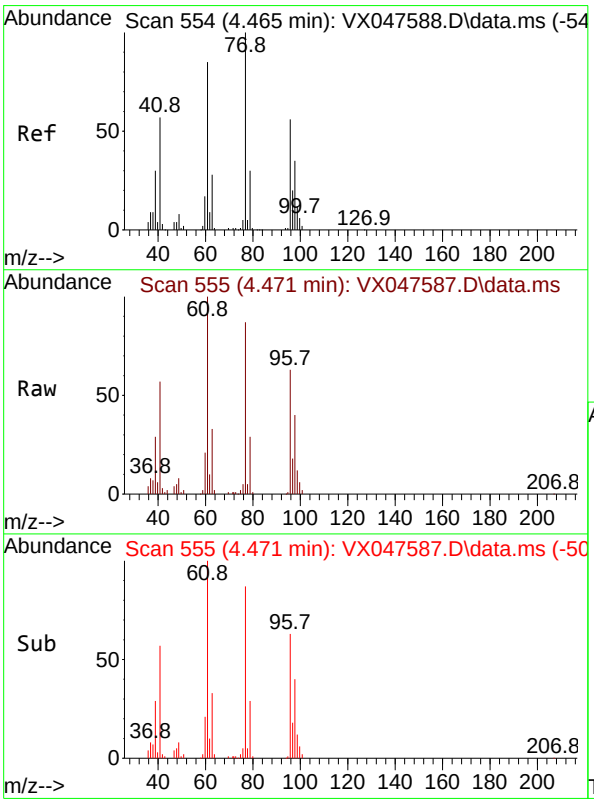

#25
2-Butanone
Concen: 109.679 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 179487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.3 | 20.1 | 30.1 |

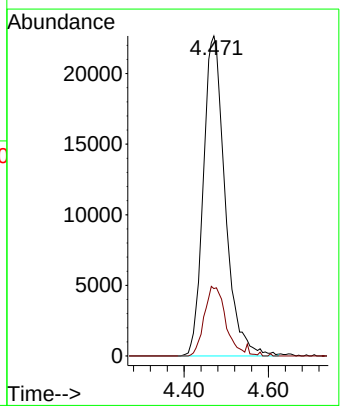


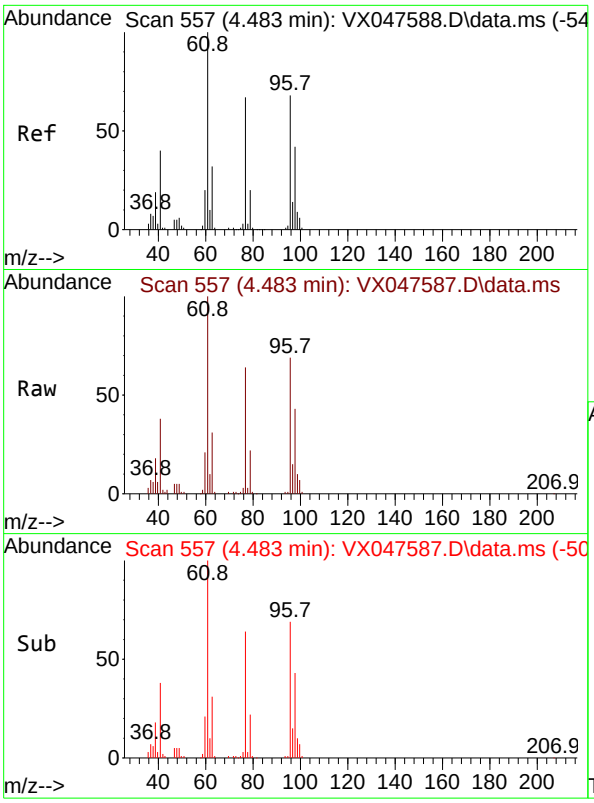




#26
2,2-Dichloropropane
Concen: 20.459 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 77 Resp: 81413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.2 | 10.9 | 32.7 |



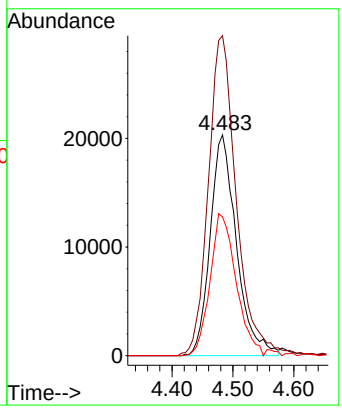


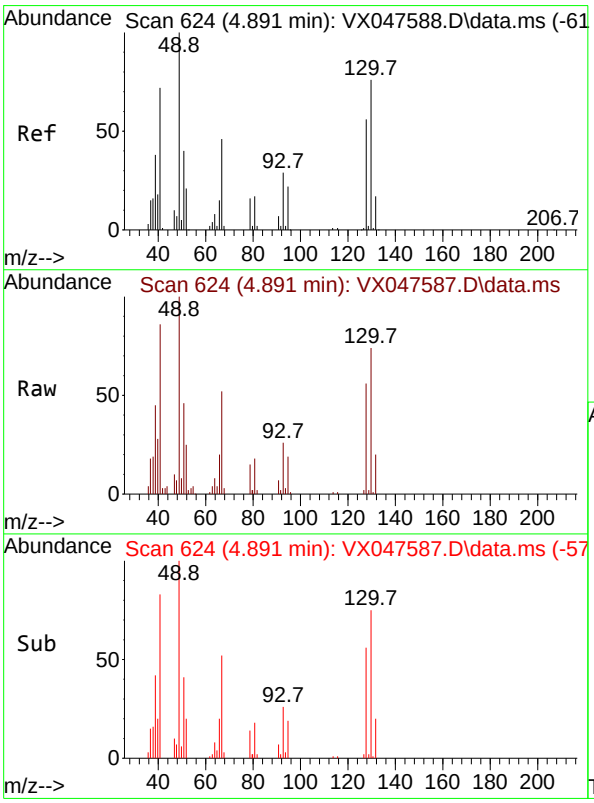

#27
cis-1,2-Dichloroethene
Concen: 20.497 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 96 Resp: 60865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 154.8 | 0.0 | 303.2 |
| 98 | 63.7 | 0.0 | 127.8 |

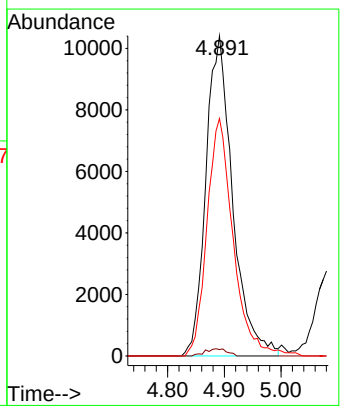


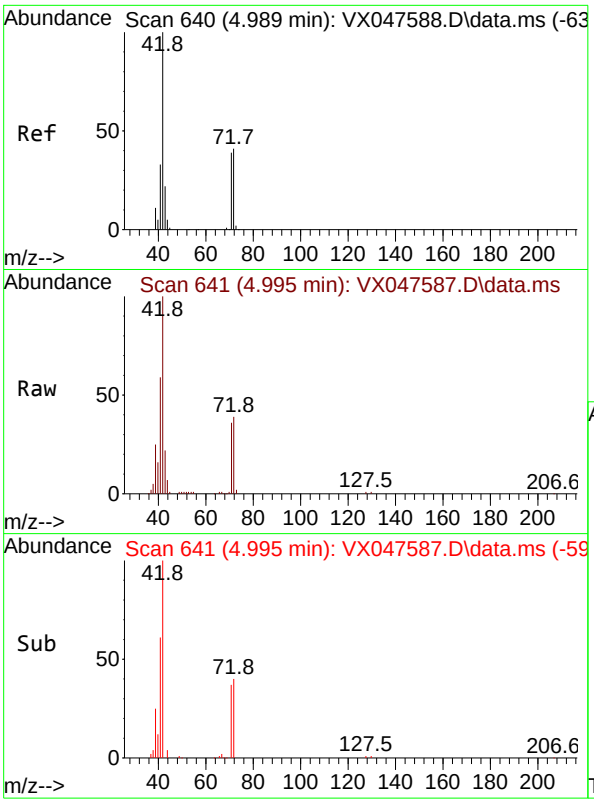




#28
Bromochloromethane
Concen: 16.309 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 49 Resp: 34085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.7 | 57.8 | 86.8 |



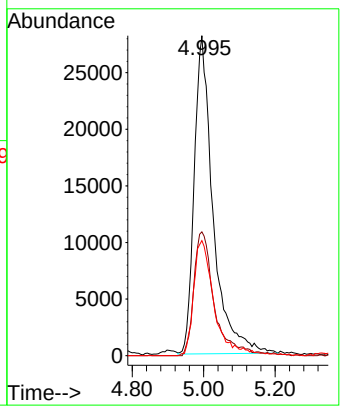


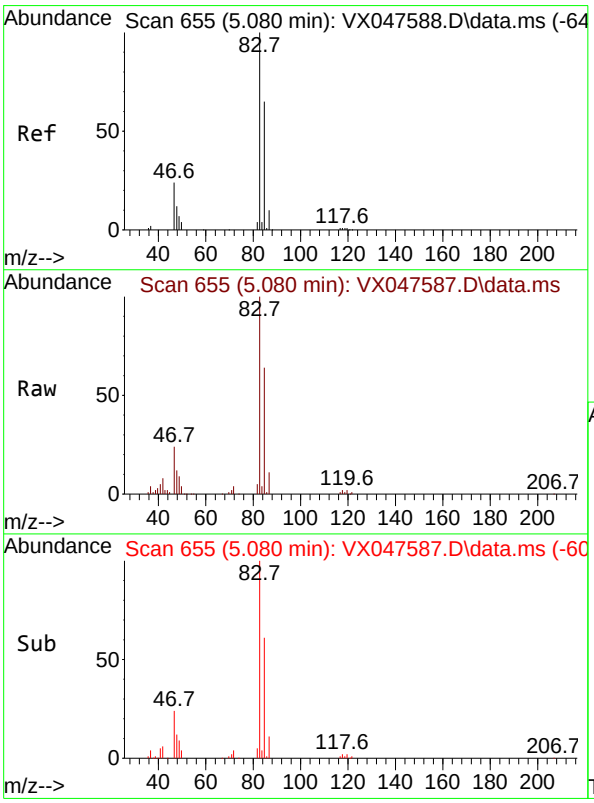

#29
Tetrahydrofuran
Concen: 104.560 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 42 Resp: 102935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 34.2 | 51.2 |
| 71 | 37.8 | 31.9 | 47.9 |

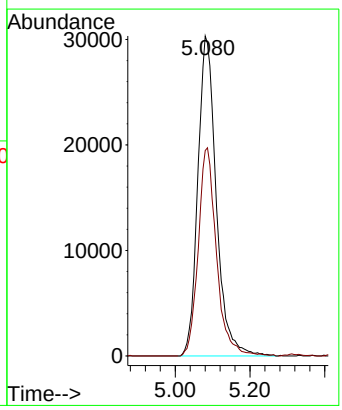


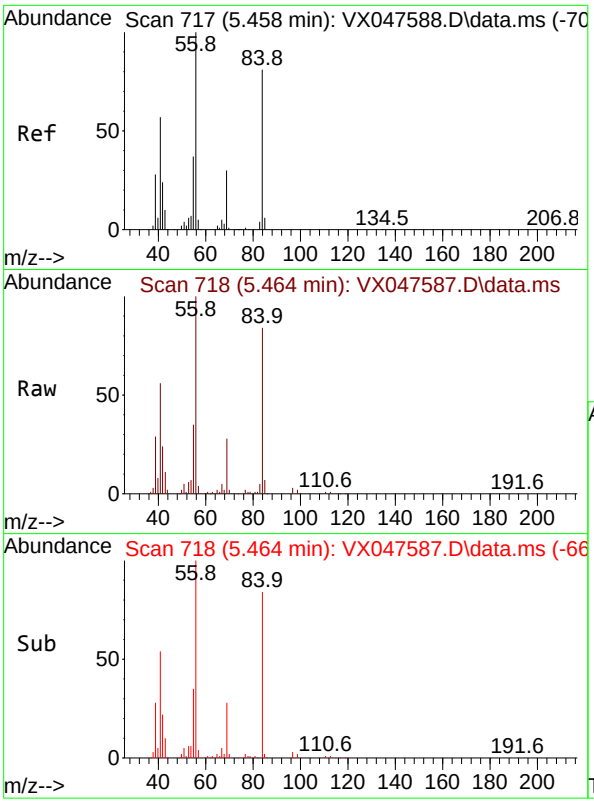




#30
Chloroform
Concen: 21.413 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 83 Resp: 103586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.2 | 51.8 | 77.6 |



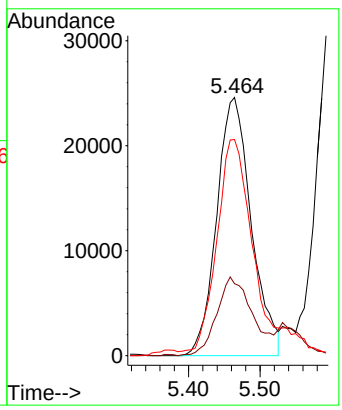


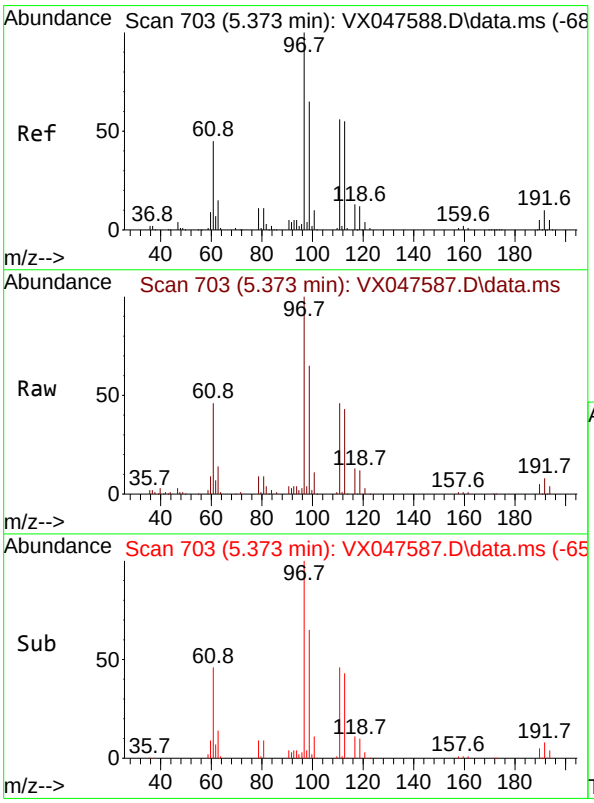

#31
Cyclohexane
Concen: 20.759 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 56 Resp: 82770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 27.9 | 23.8 | 35.8 |
| 84 | 82.2 | 64.6 | 97.0 |

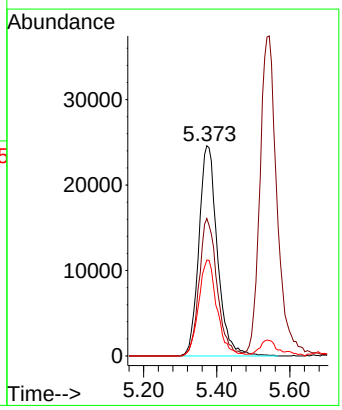


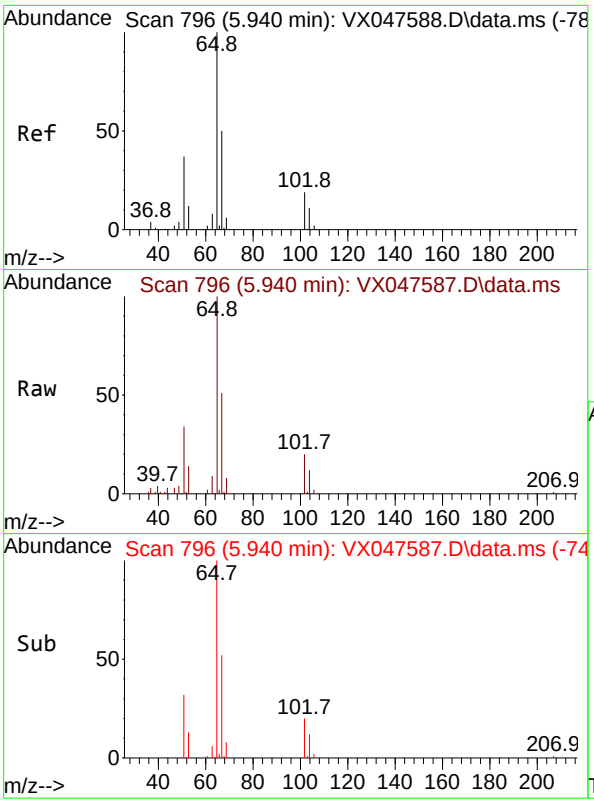




#32
1,1,1-Trichloroethane
Concen: 21.081 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 97 Resp: 86500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.6 | 76.0 |
| 61 | 45.5 | 35.8 | 53.8 |



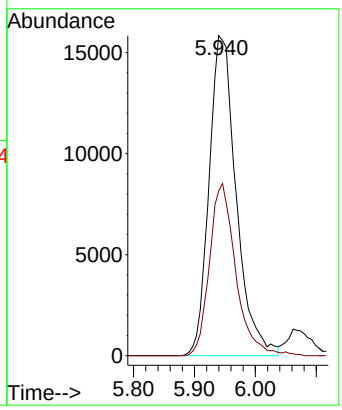


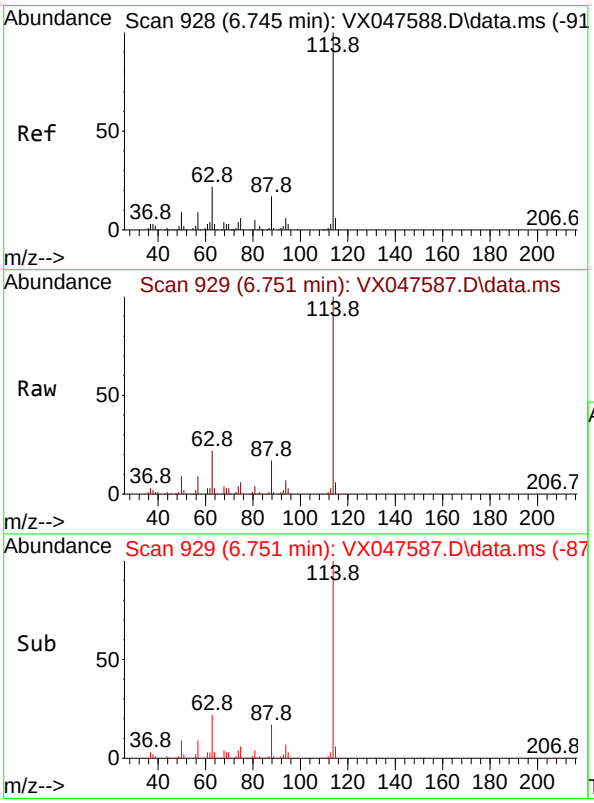

#33
1,2-Dichloroethane-d4
Concen: 16.264 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 65 Resp: 49073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 103.0 |

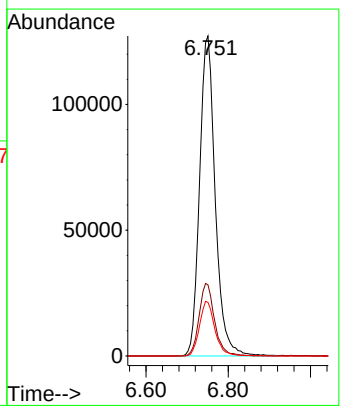


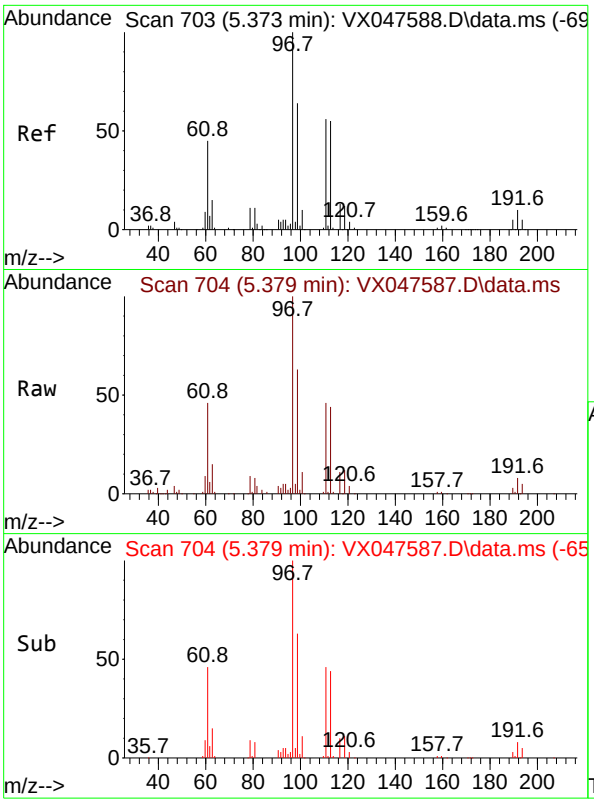




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:114 Resp: 336287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |



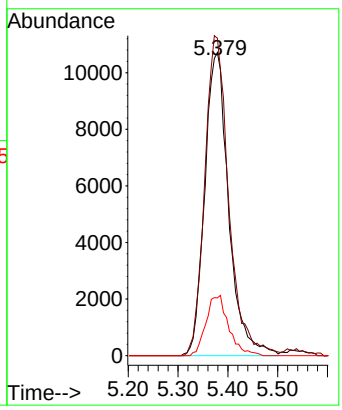


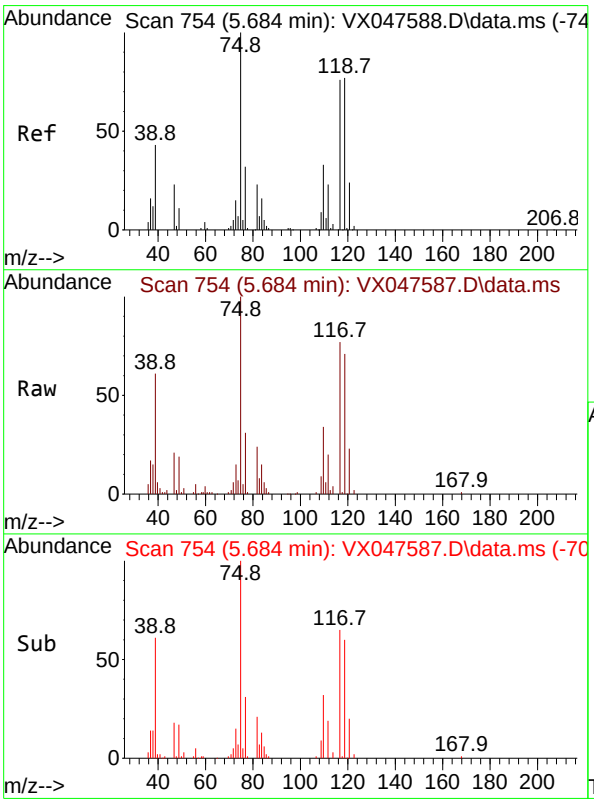

#35
Dibromofluoromethane
Concen: 15.868 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:113 Resp: 35788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 105.7 | 80.9 | 121.3 |
| 192 | 18.8 | 14.2 | 21.4 |

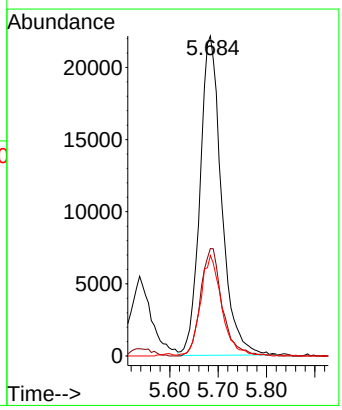


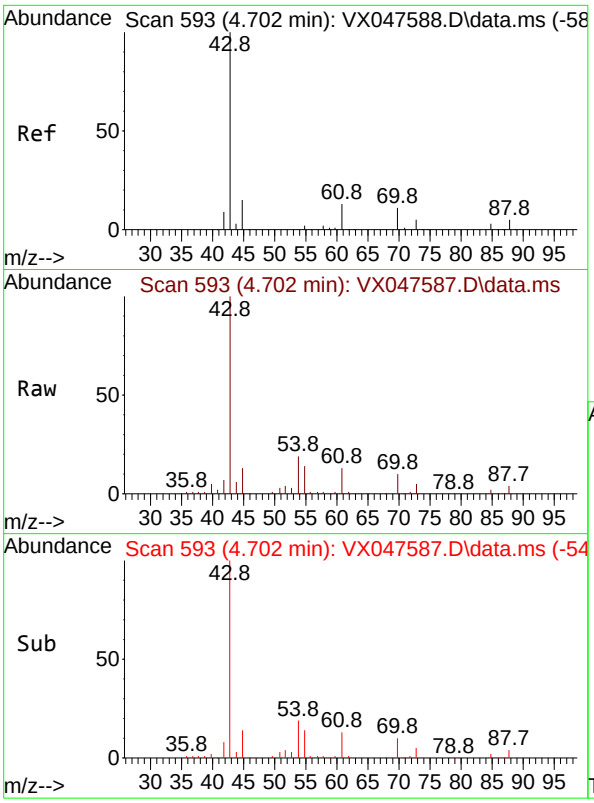




#36
1,1-Dichloropropene
Concen: 20.754 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 68395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 31.2 | 24.3 | 36.5 |



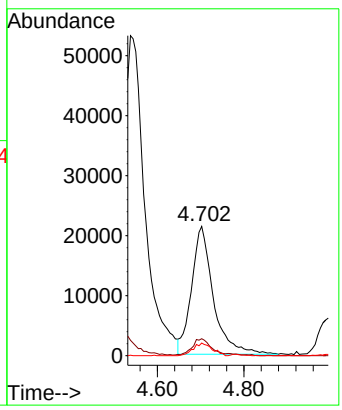


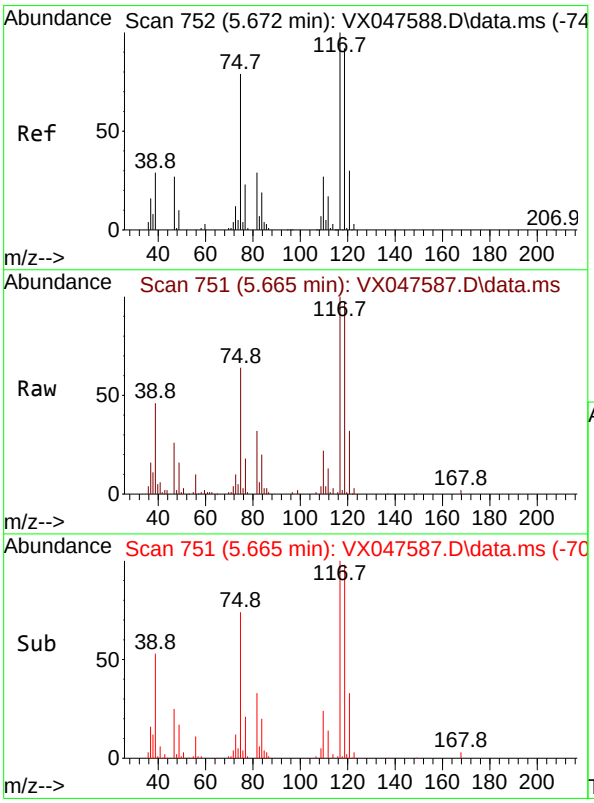

#37
Ethyl Acetate
Concen: 21.113 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 74499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.8 | 9.8 | 14.8 |
| 70 | 8.5 | 7.9 | 11.9 |

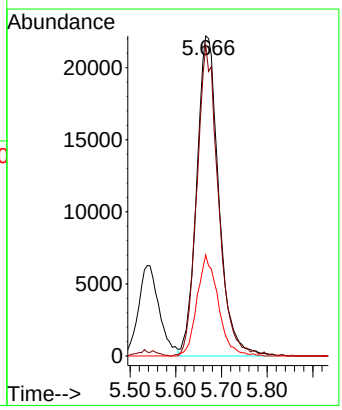


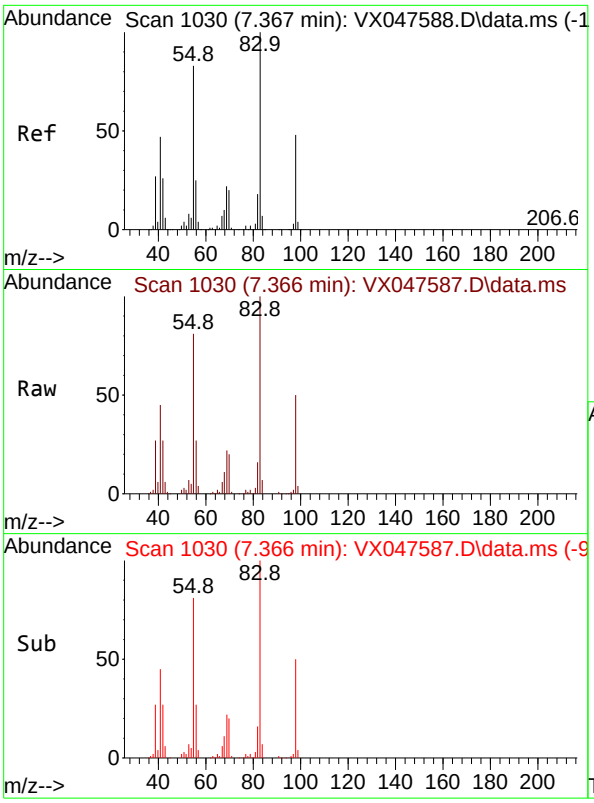




#38
Carbon Tetrachloride
Concen: 20.844 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 74636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.9 | 73.4 | 110.2 |
| 121 | 31.6 | 23.8 | 35.6 |



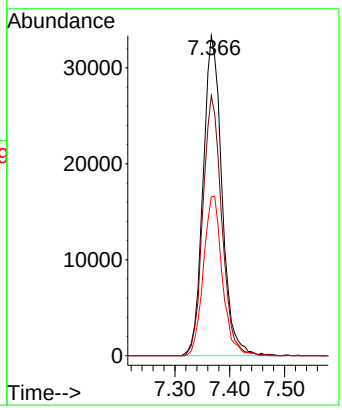


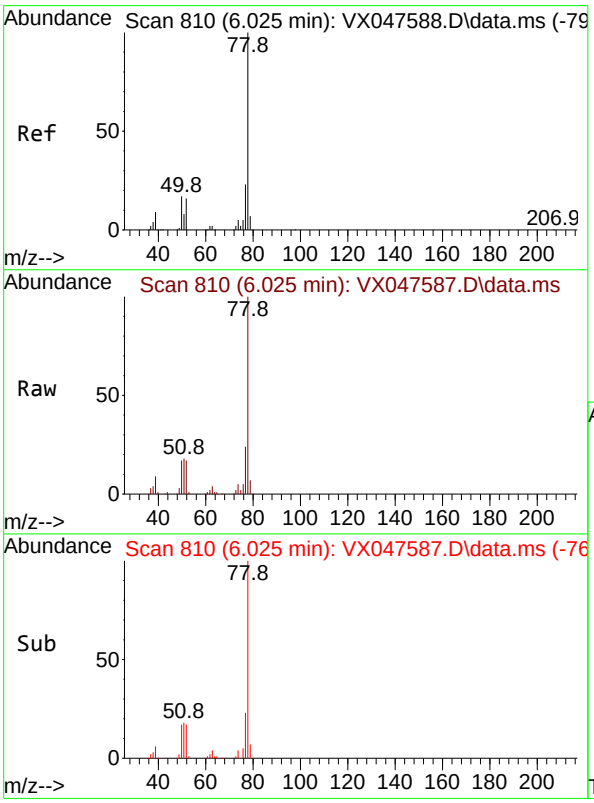

#39
Methylcyclohexane
Concen: 21.251 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 79499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.2 | 66.4 | 99.6 |
| 98 | 49.6 | 38.1 | 57.1 |

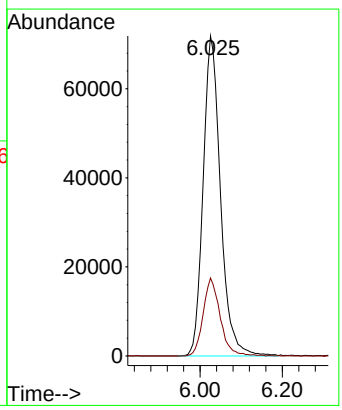


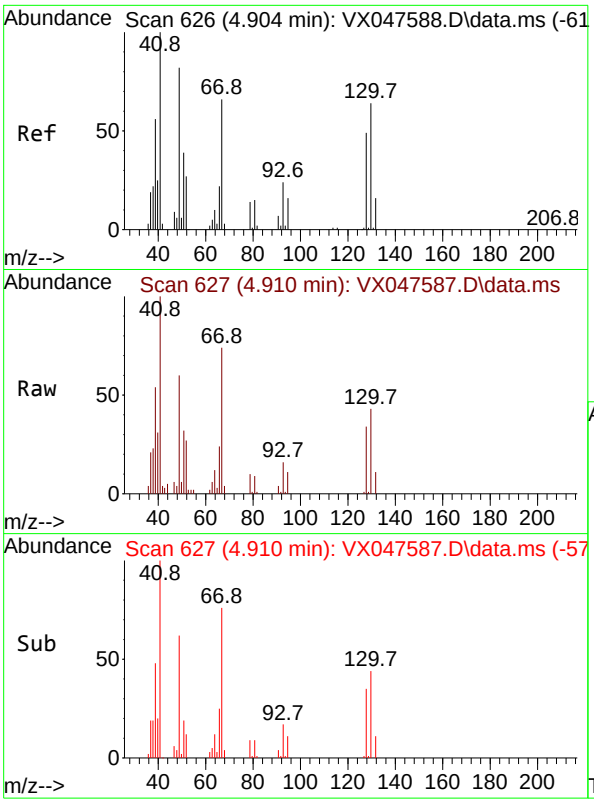




#40
Benzene
Concen: 21.051 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 78 Resp: 210711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.4 | 18.8 | 28.2 |



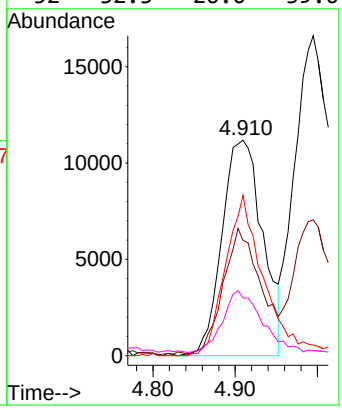


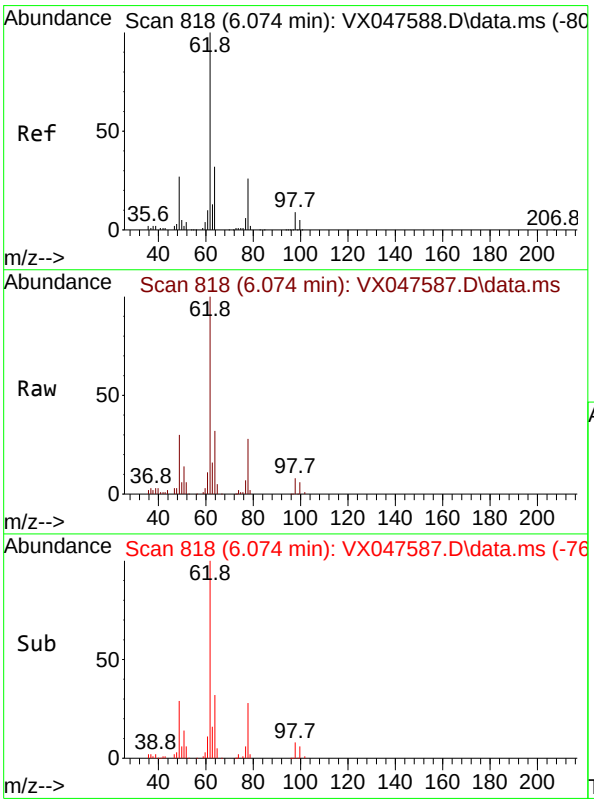

#41
Methacrylonitrile
Concen: 21.148 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 41 Resp: 38525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.8 | 43.3 | 64.9 |
| 67 | 72.5 | 58.6 | 87.8 |
| 52 | 32.3 | 26.0 | 39.0 |

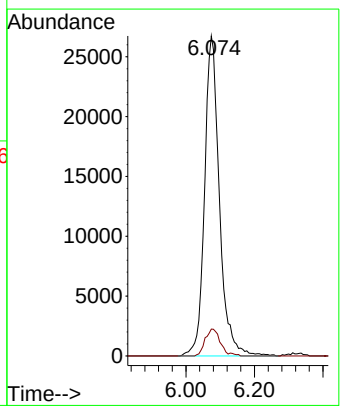


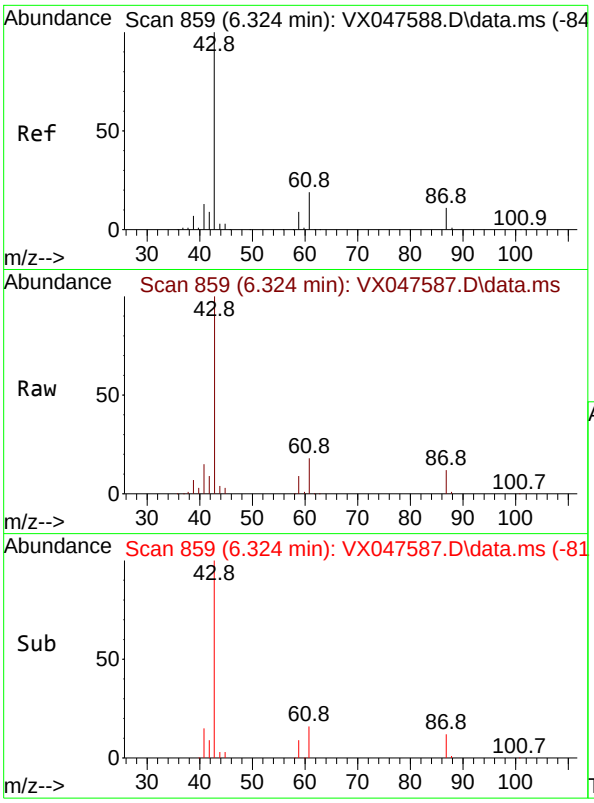




#42
1,2-Dichloroethane
Concen: 21.175 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 62 Resp: 80646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |



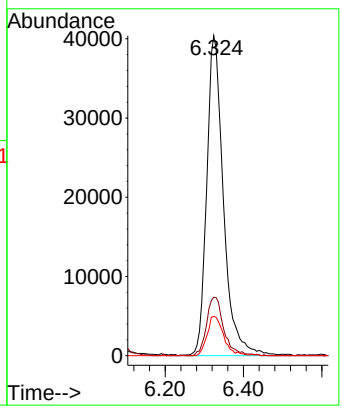


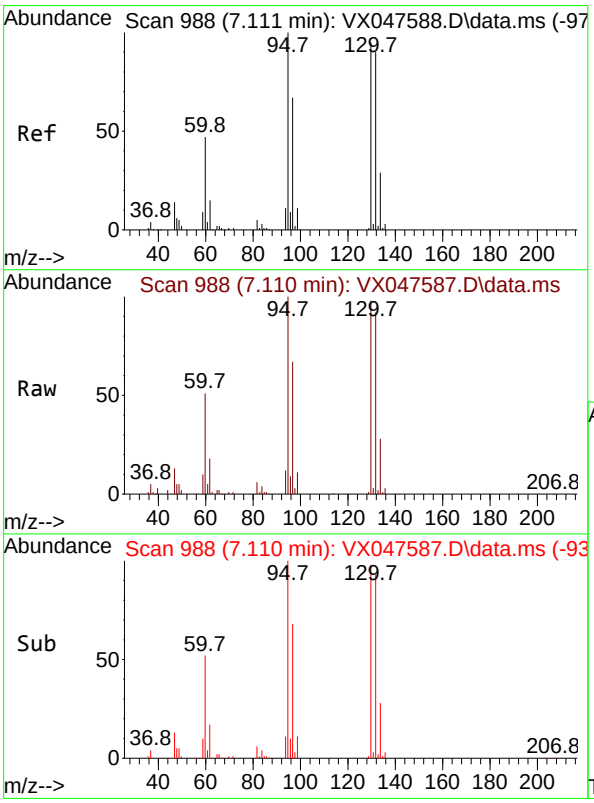

#43
Isopropyl Acetate
Concen: 20.670 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 119623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 18.9 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |

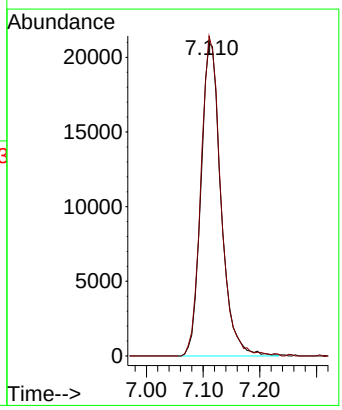


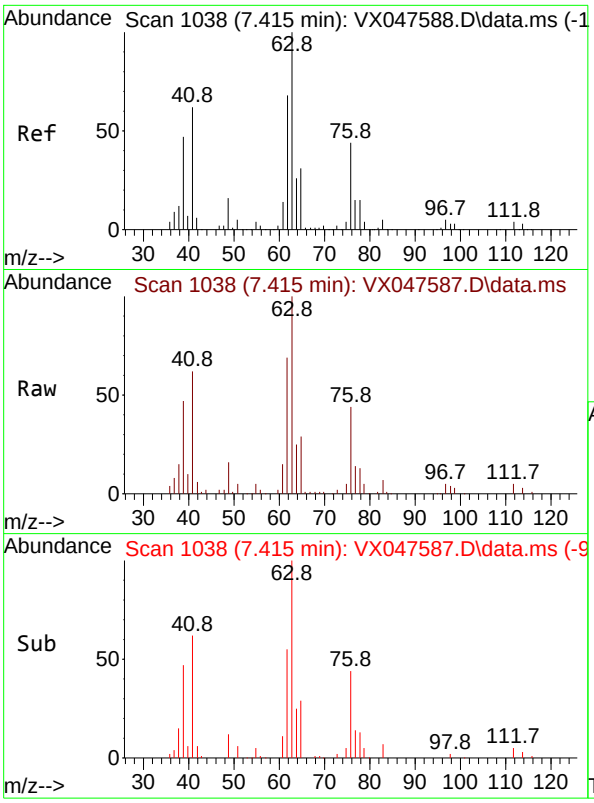




#44
Trichloroethene
Concen: 21.228 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:130 Resp: 51369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 102.3 | 0.0 | 210.8 |



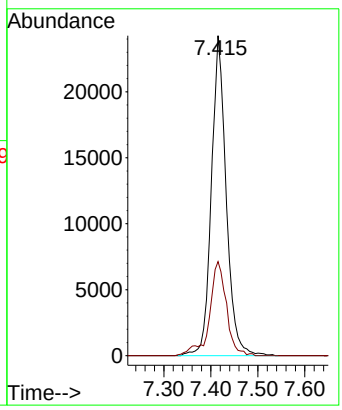


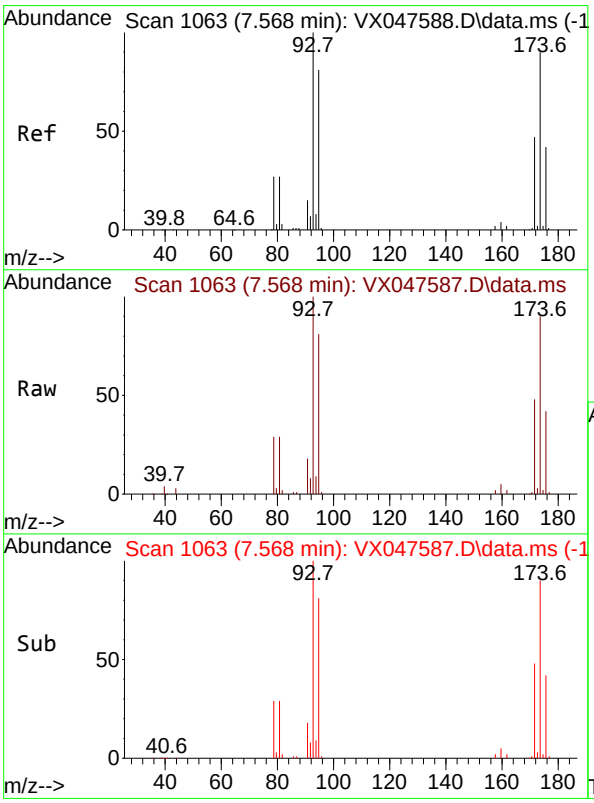

#45
1,2-Dichloropropane
Concen: 20.697 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 63 Resp: 53046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.7 | 37.1 |

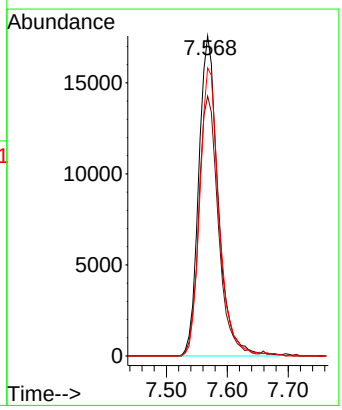


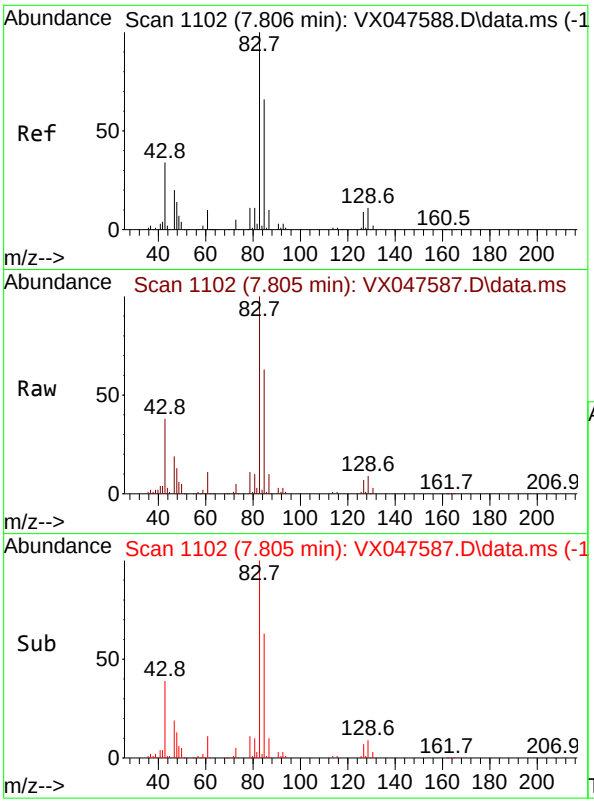




#46
Dibromomethane
Concen: 20.862 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 93 Resp: 38910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.0 | 65.0 | 97.6 |
| 174 | 89.2 | 71.6 | 107.4 |



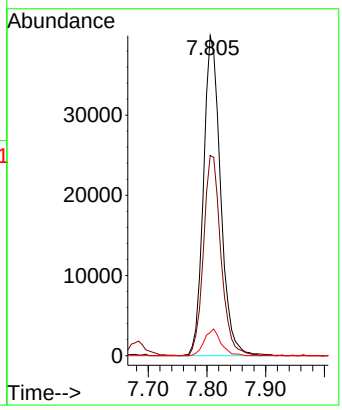


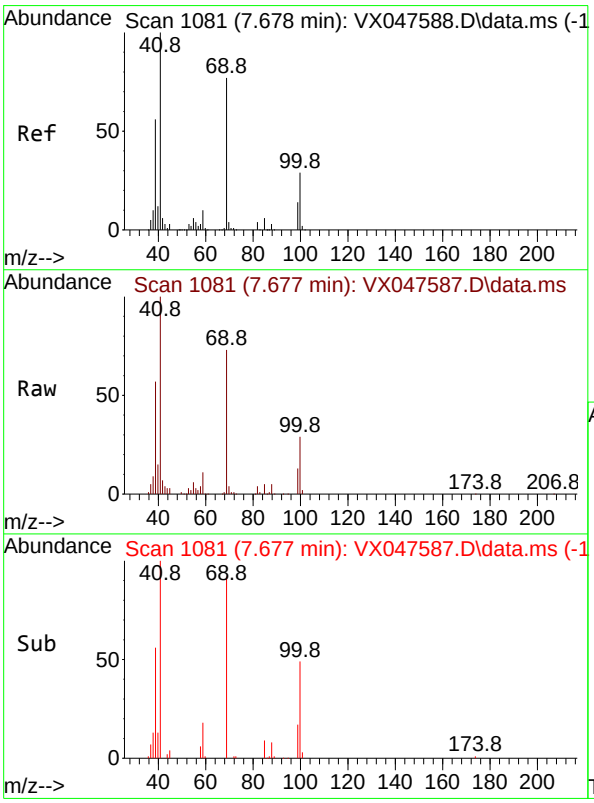

#47
Bromodichloromethane
Concen: 21.002 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 80831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |

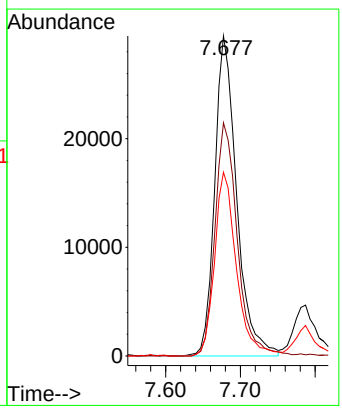


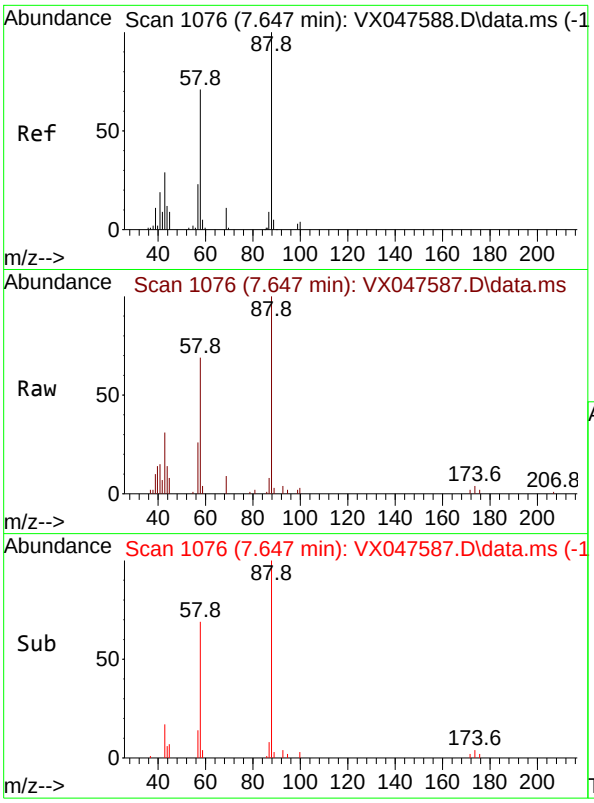




#48
Methyl methacrylate
Concen: 20.877 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 41 Resp: 60182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 74.2 | 61.4 | 92.2 |
| 39 | 57.2 | 45.8 | 68.6 |



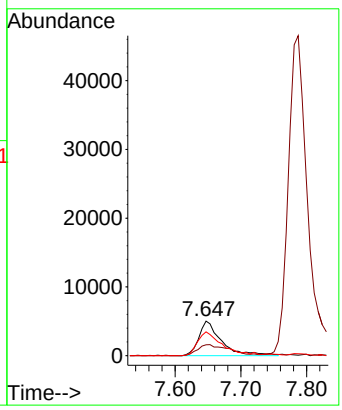


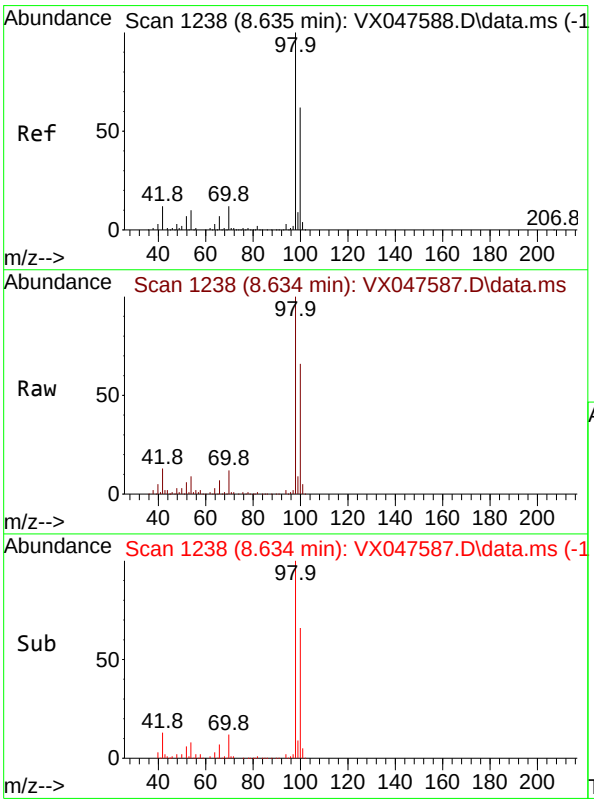

#49
1,4-Dioxane
Concen: 413.530 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 88 Resp: 12047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 44.7 | 30.2 | 45.2 |
| 58 | 75.8 | 59.5 | 89.3 |

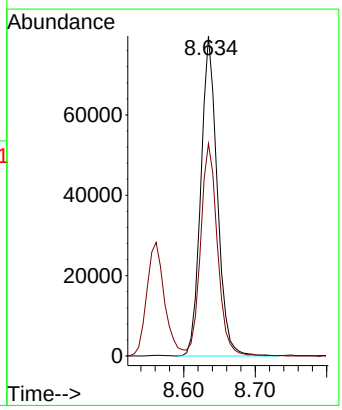


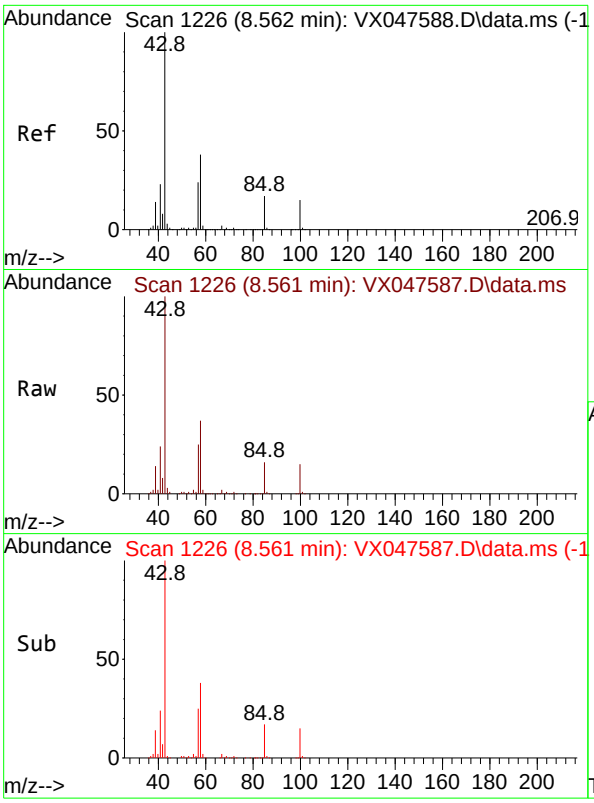




#50
Toluene-d8
Concen: 16.258 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 98 Resp: 126875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.9 | 53.0 | 79.4 |



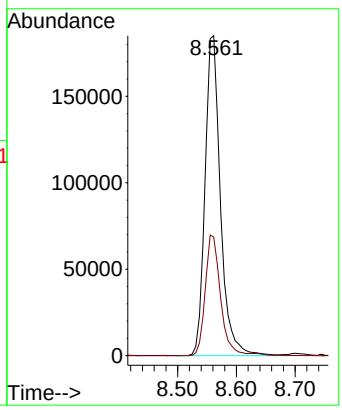


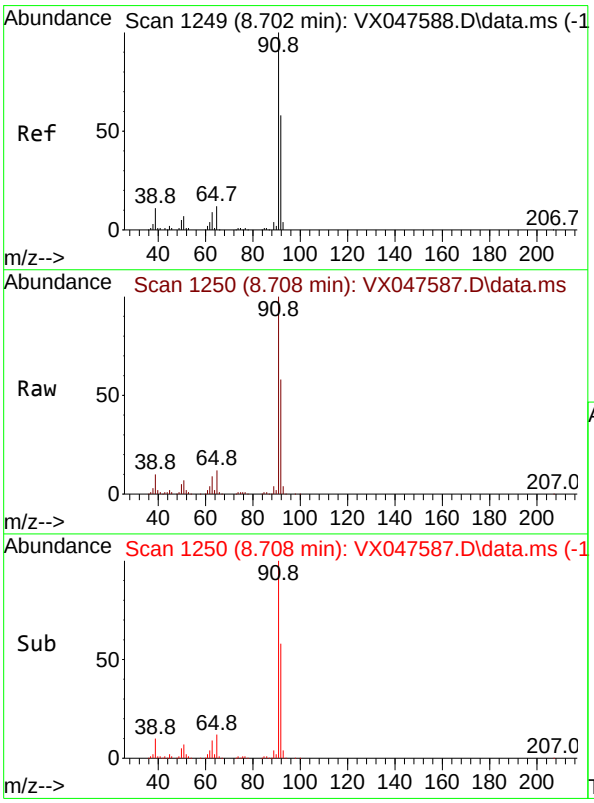

#51
4-Methyl-2-Pentanone
Concen: 105.456 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 338370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.3 | 45.5 |

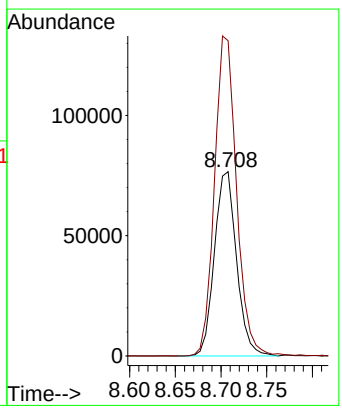


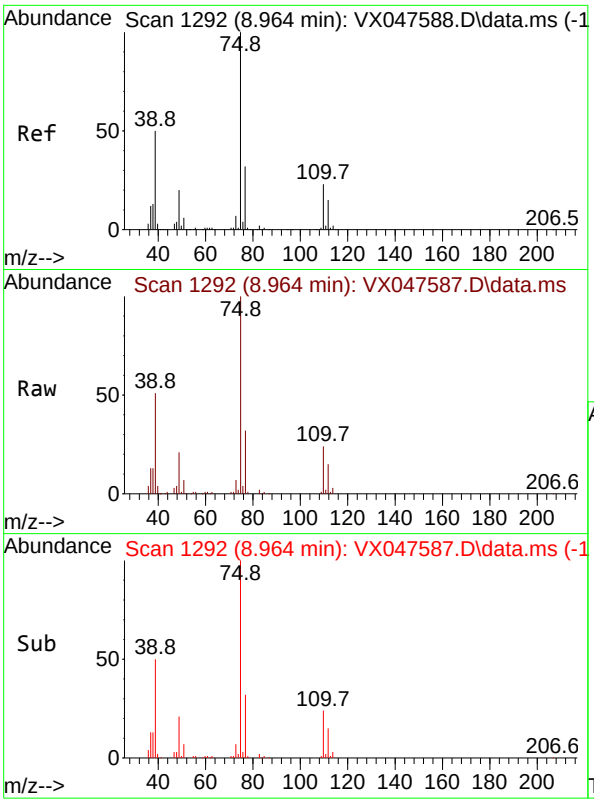




#52
Toluene
Concen: 20.950 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 92 Resp: 129193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 173.2 | 137.1 | 205.7 |



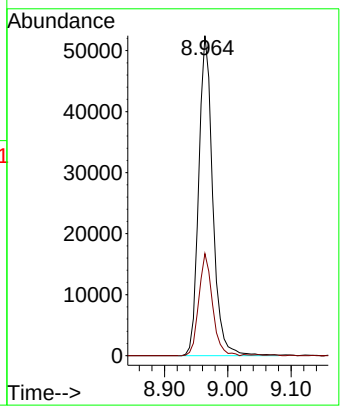


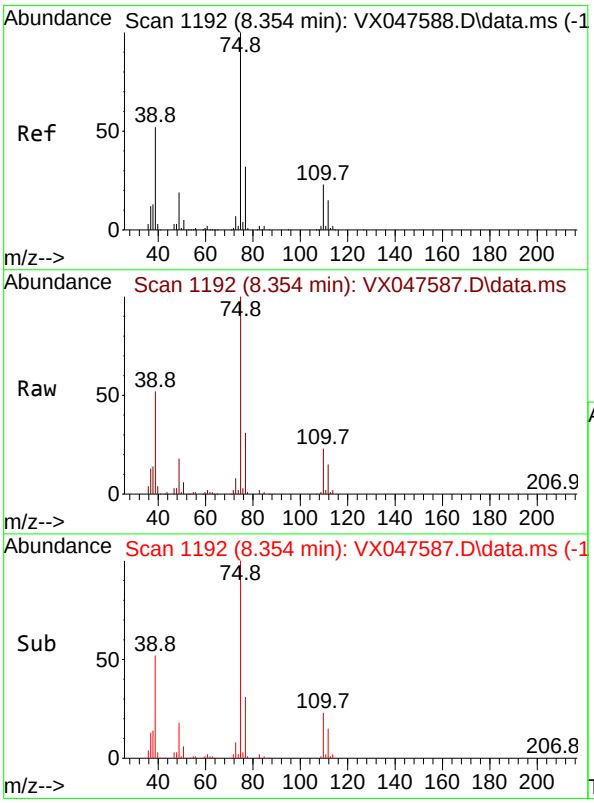

#53
t-1,3-Dichloropropene
Concen: 20.625 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 80972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.4 | 38.2 |

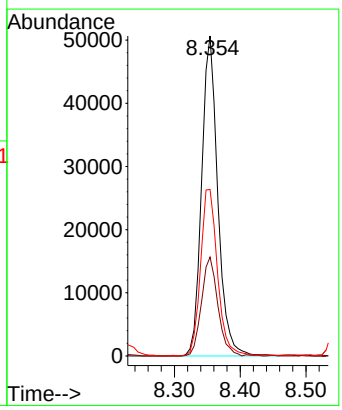


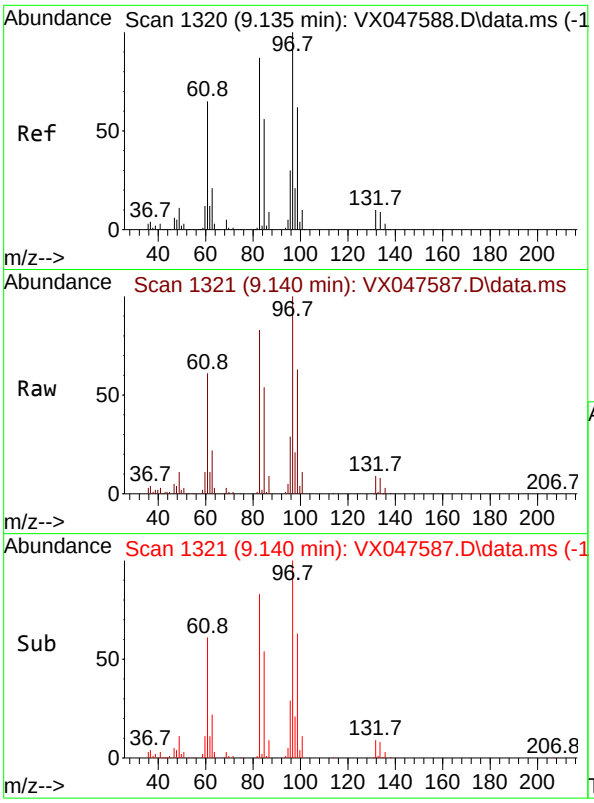




#54
cis-1,3-Dichloropropene
Concen: 20.650 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 86648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 25.8 | 38.6 |
| 39 | 52.0 | 41.4 | 62.2 |



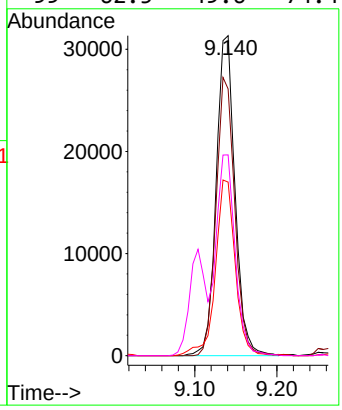


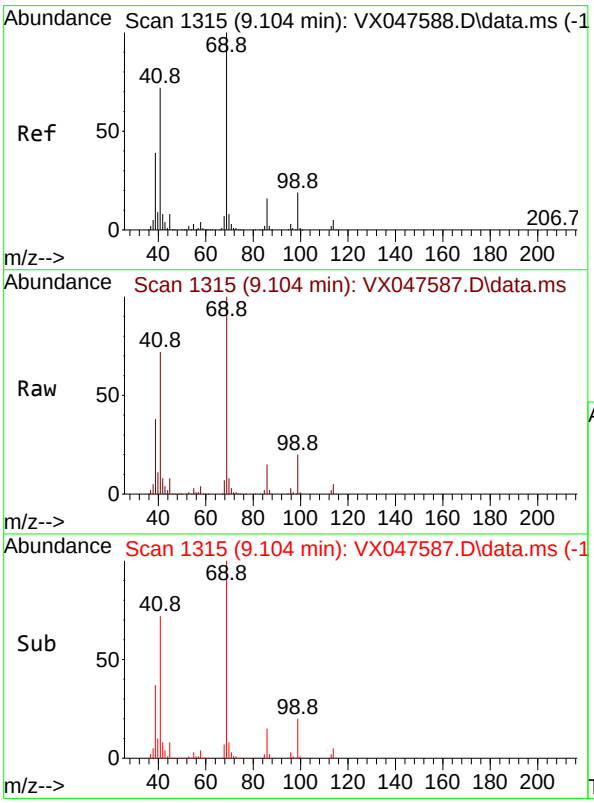

#55
1,1,2-Trichloroethane
Concen: 20.967 ug/l
RT: 9.140 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 97 Resp: 49857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.3 | 69.6 | 104.4 |
| 85 | 55.2 | 45.0 | 67.6 |
| 99 | 62.5 | 49.6 | 74.4 |

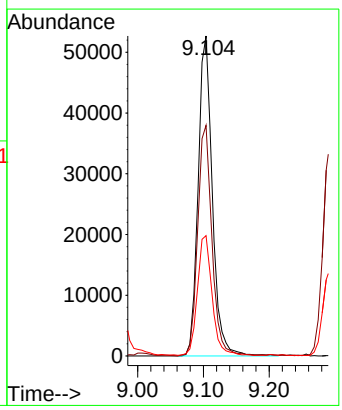


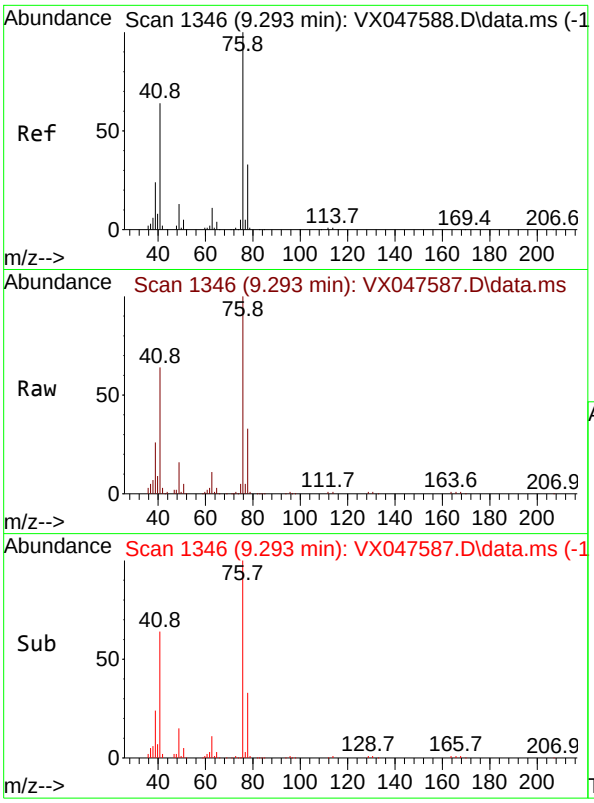




#56
Ethyl methacrylate
Concen: 21.158 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 69 Resp: 79011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 72.6 | 58.6 | 87.8 |
| 39 | 38.6 | 31.5 | 47.3 |



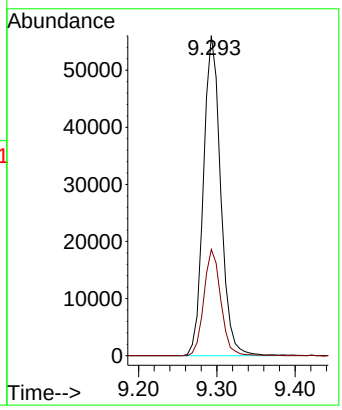


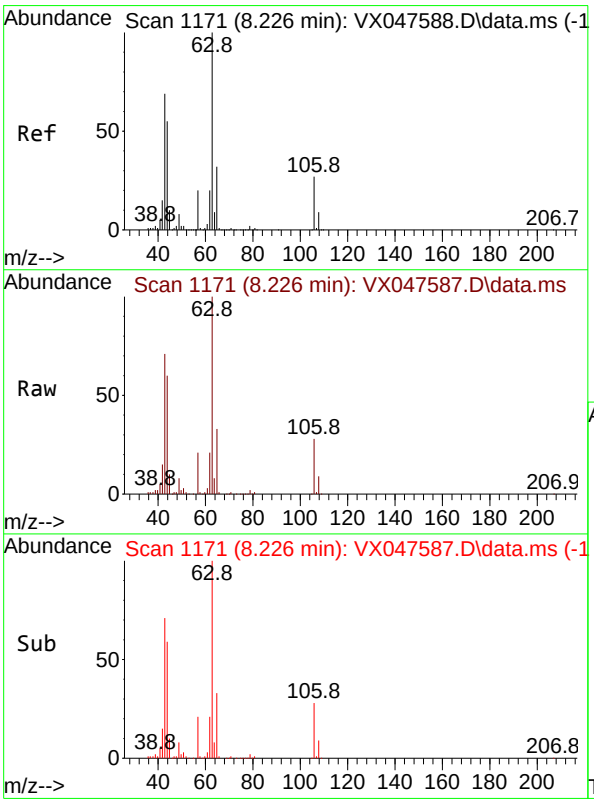

#57
1,3-Dichloropropane
Concen: 20.934 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 76 Resp: 85511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.6 | 26.2 | 39.4 |

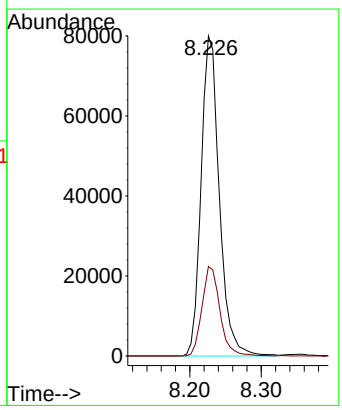


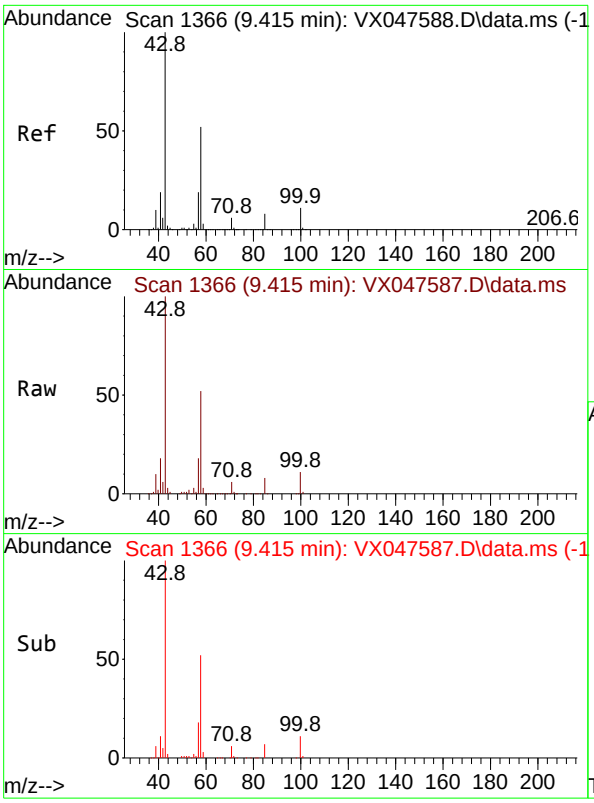




#58
2-Chloroethyl Vinyl ether
Concen: 86.617 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 63 Resp: 141395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



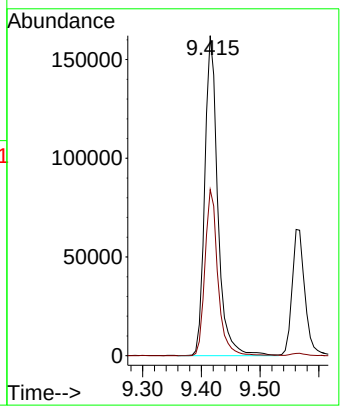


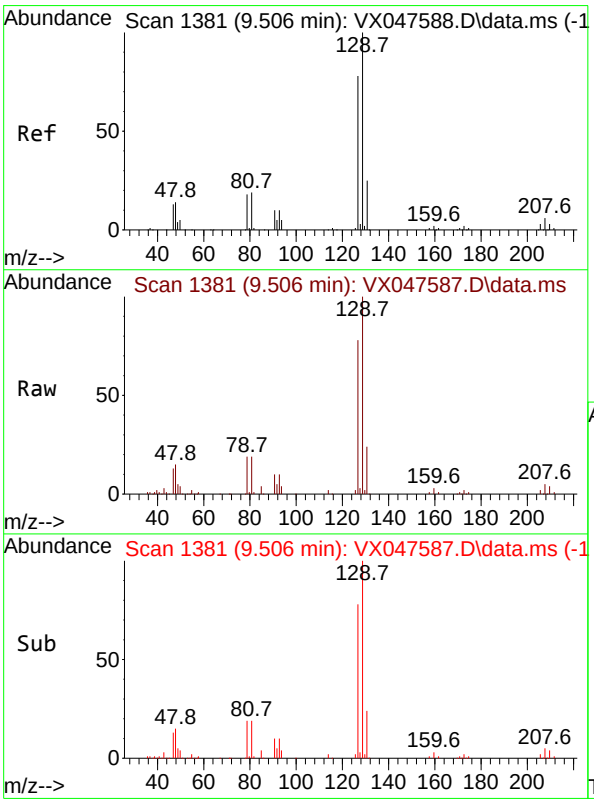

#59
2-Hexanone
Concen: 108.488 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 43 Resp: 250007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 51.4 | 26.1 | 78.2 |

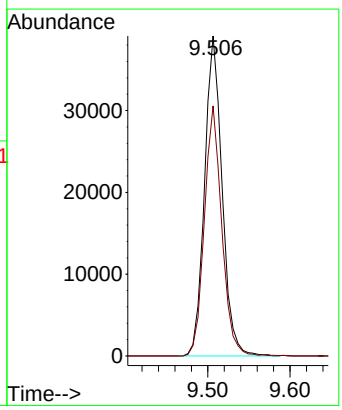


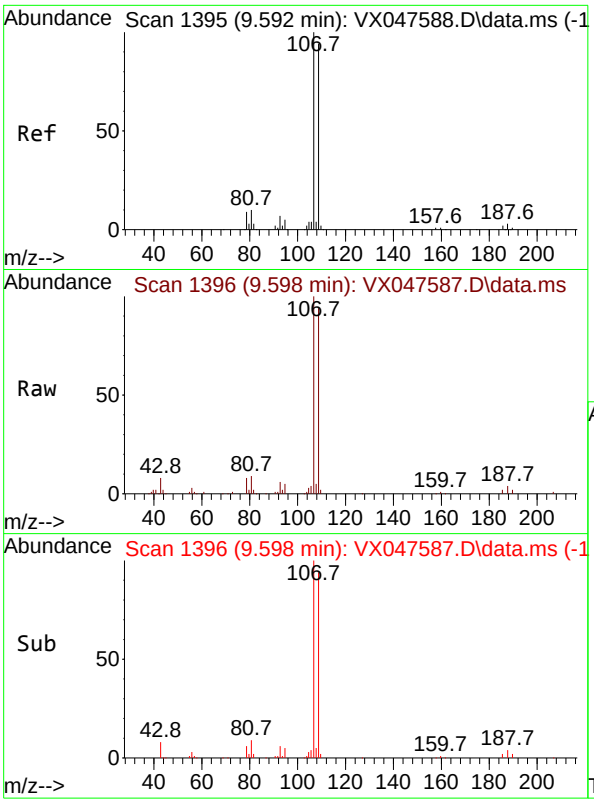




#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:129 Resp: 57994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.7 | 38.4 | 115.2 |



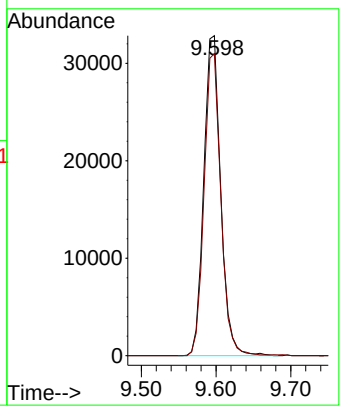


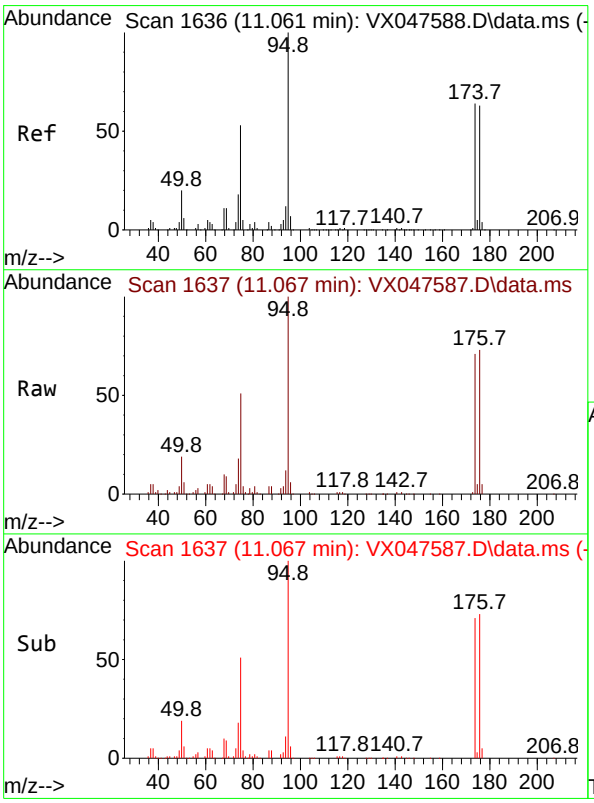

#61
1,2-Dibromoethane
Concen: 21.310 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:107 Resp: 51614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.4 | 75.3 | 112.9 |

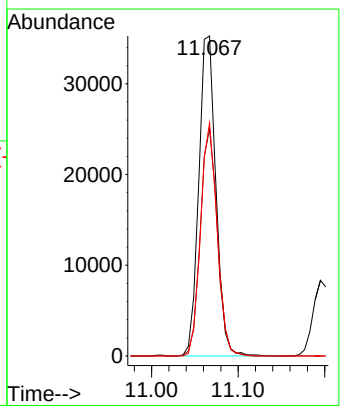


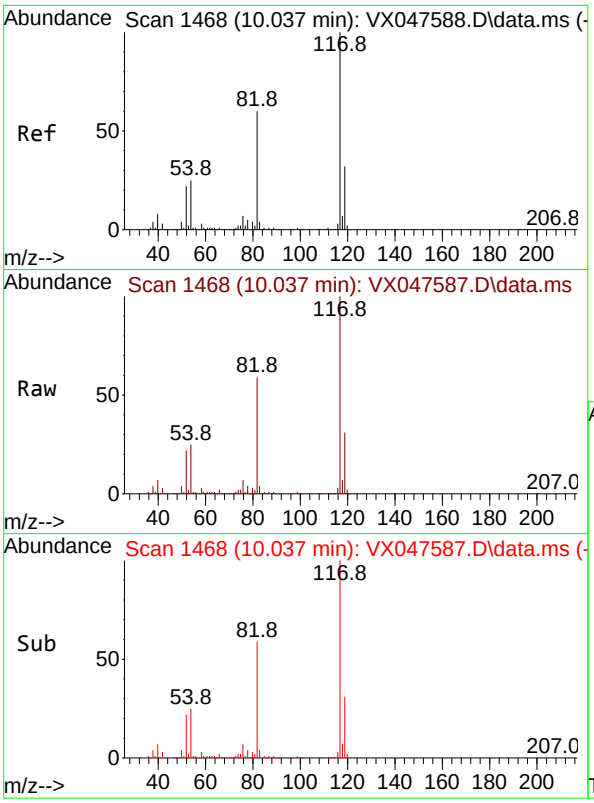




#62
4-Bromofluorobenzene
Concen: 16.360 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 95 Resp: 48454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.2 | 0.0 | 141.6 |
| 176 | 70.3 | 0.0 | 138.4 |



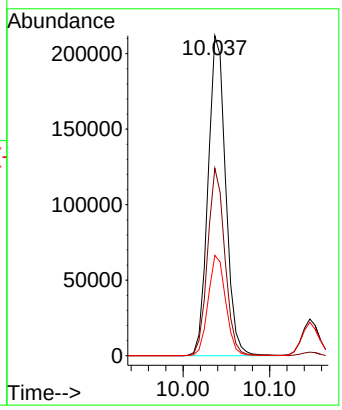


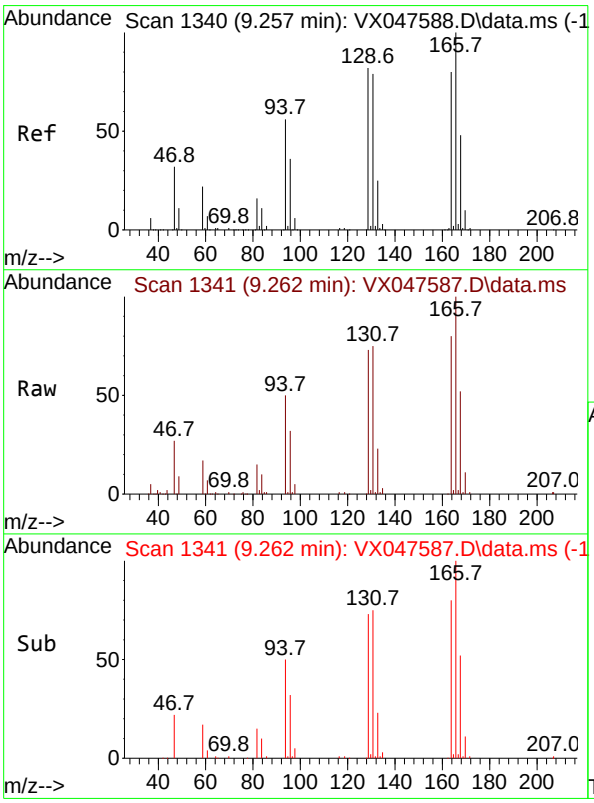

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:117 Resp: 298629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.6 | 47.8 | 71.6 |
| 119 | 31.3 | 25.2 | 37.8 |

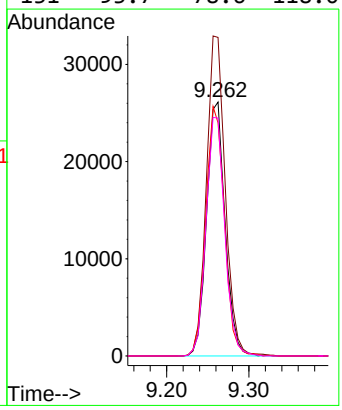


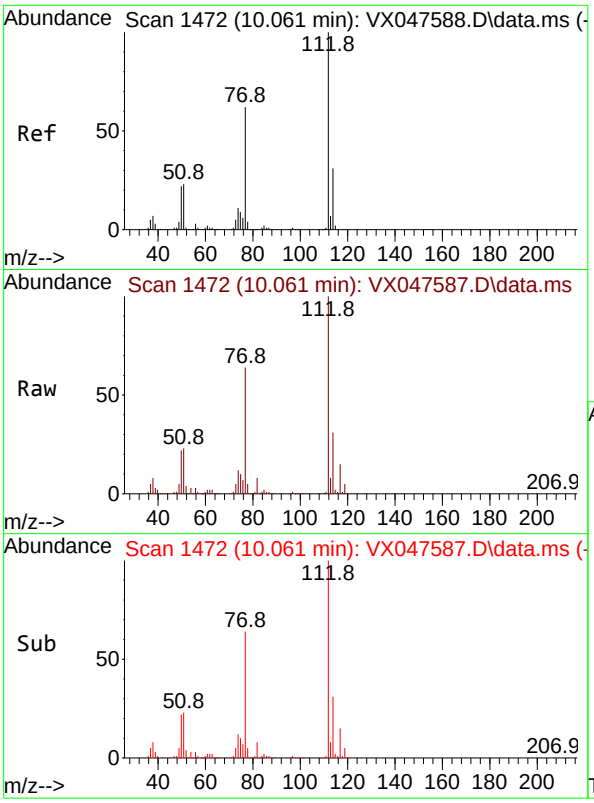




#64
Tetrachloroethene
Concen: 20.979 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:164 Resp: 40840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.4 | 100.2 | 150.2 |
| 129 | 91.8 | 81.8 | 122.6 |
| 131 | 93.7 | 78.6 | 118.0 |



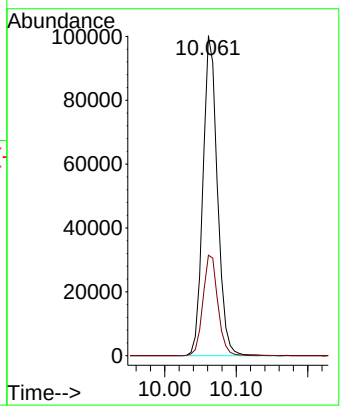


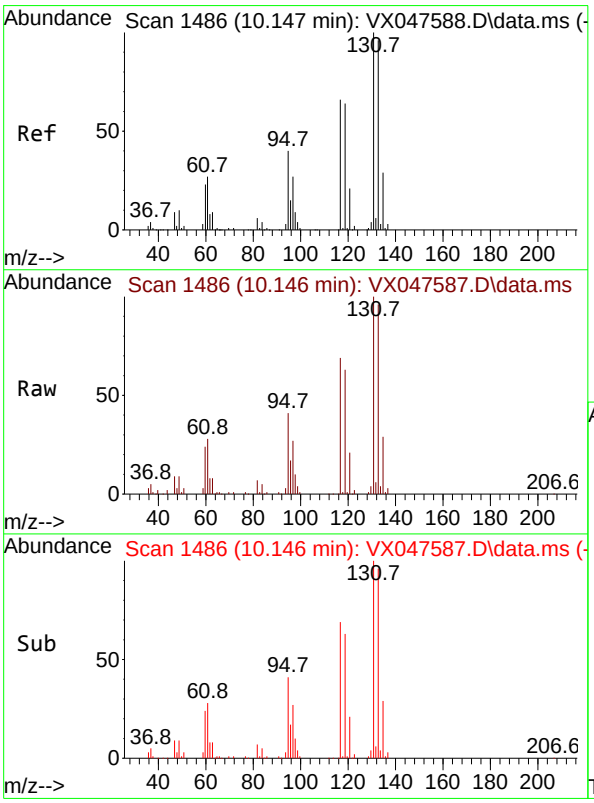

#65
Chlorobenzene
Concen: 20.731 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:112 Resp: 140642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |

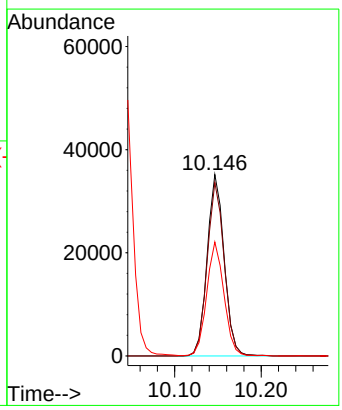


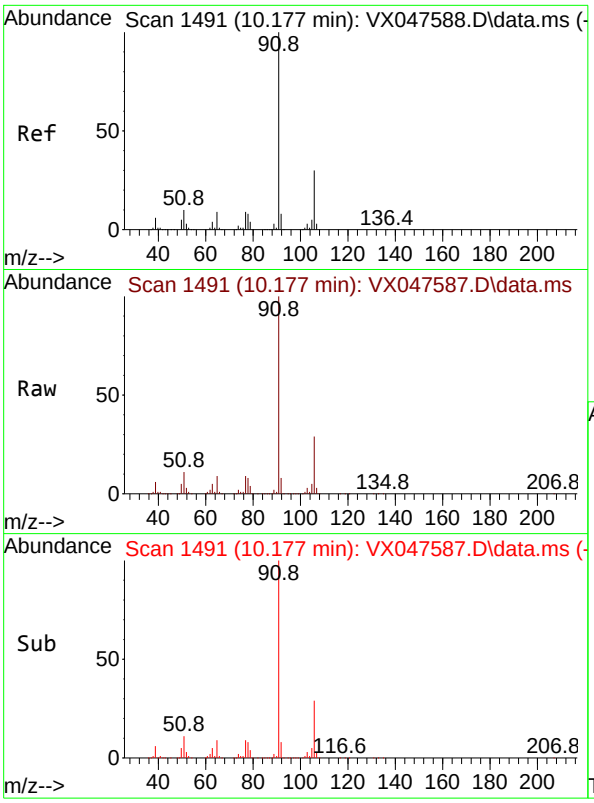




#66
1,1,1,2-Tetrachloroethane
Concen: 20.513 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:131 Resp: 48022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.9 | 47.3 | 142.0 |
| 119 | 63.9 | 32.0 | 96.0 |



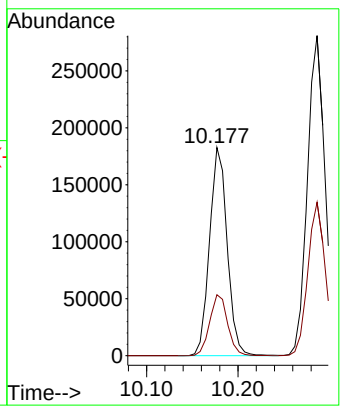


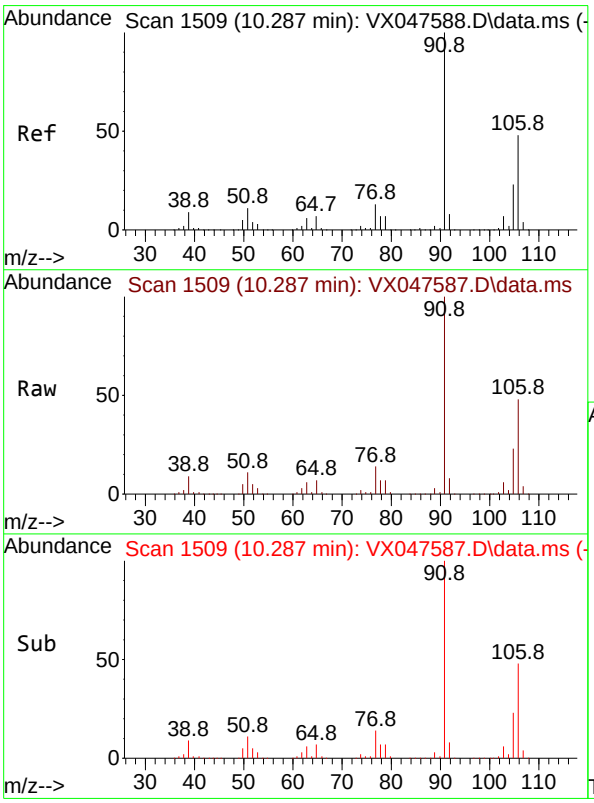

#67
Ethyl Benzene
Concen: 20.907 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 244737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.3 | 24.3 | 36.5 |

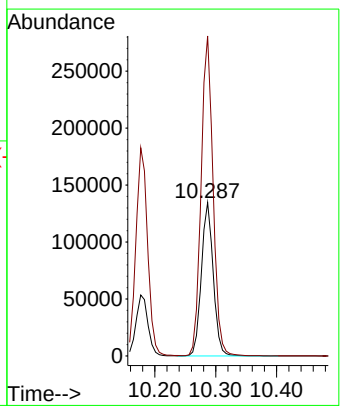


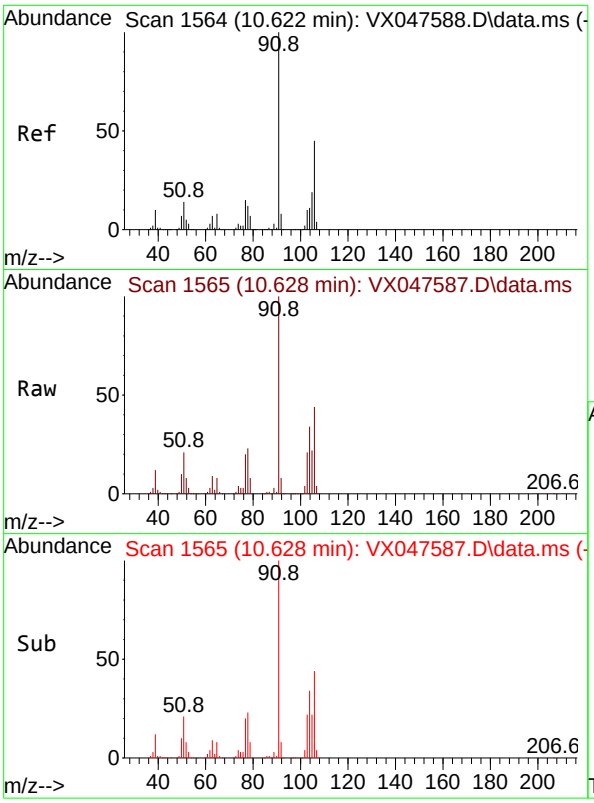




#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:106 Resp: 182778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 210.2 | 167.8 | 251.8 |



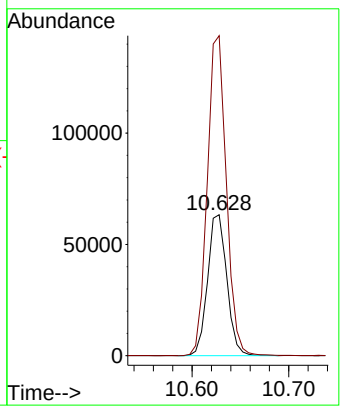


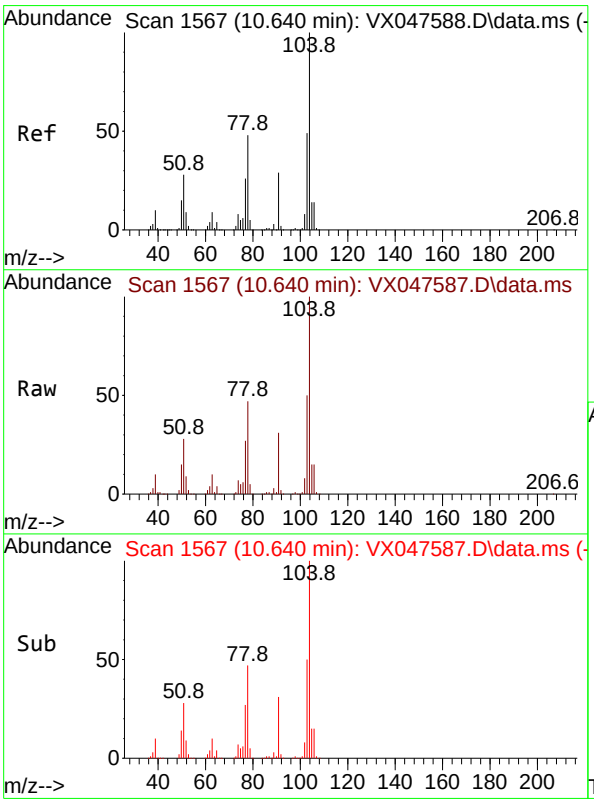

#69
o-Xylene
Concen: 20.799 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:106 Resp: 87651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 225.3 | 111.1 | 333.4 |

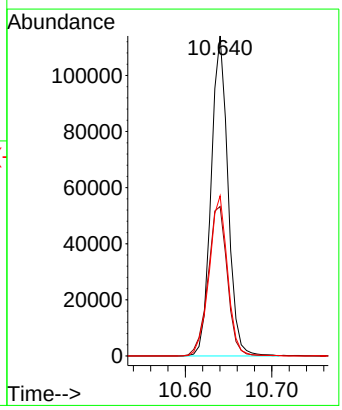


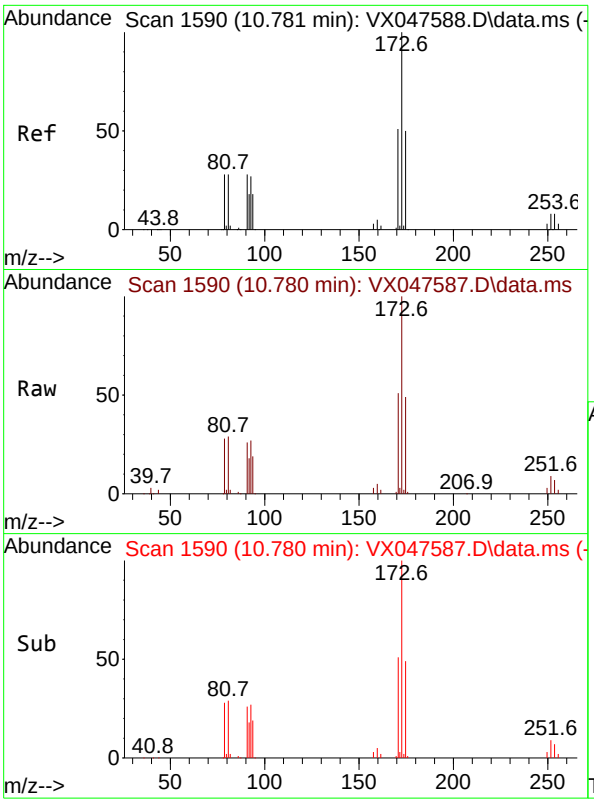




#70
Styrene
Concen: 20.866 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:104 Resp: 154077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.6 | 43.1 | 64.7 |
| 103 | 54.4 | 43.1 | 64.7 |



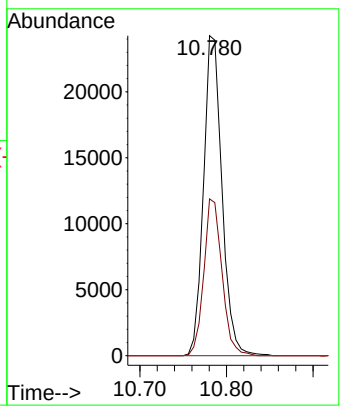


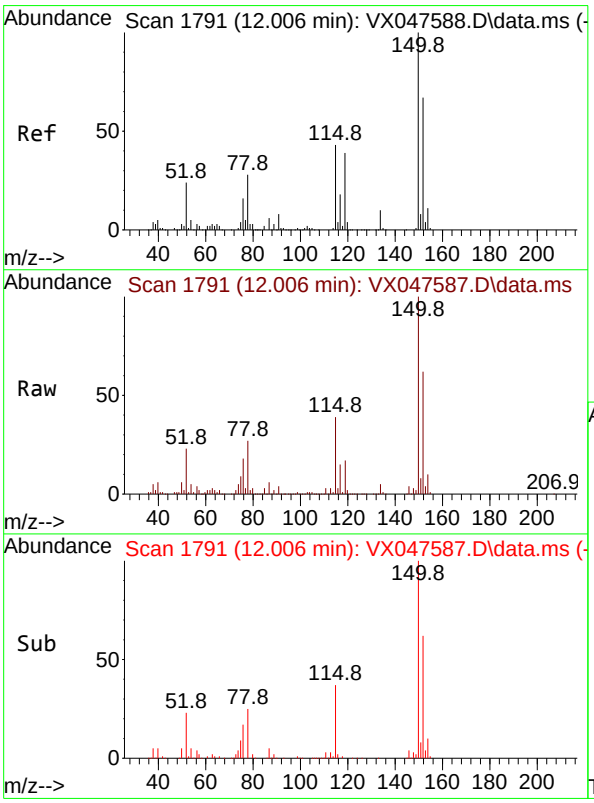

#71
Bromoform
Concen: 20.550 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:173 Resp: 35922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.3 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

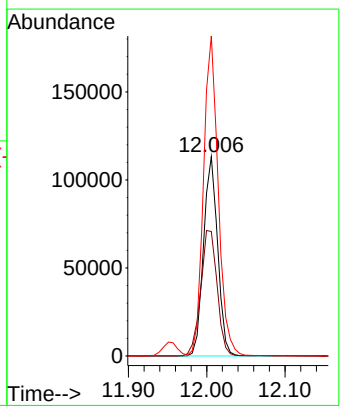


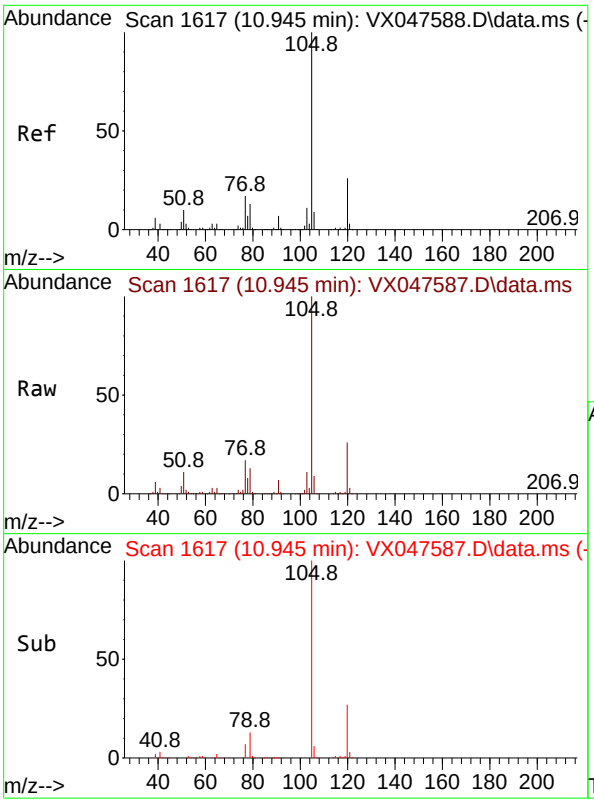




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:152 Resp: 141590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 73.2 | 44.9 | 134.5 |
| 150 | 167.1 | 0.0 | 352.0 |



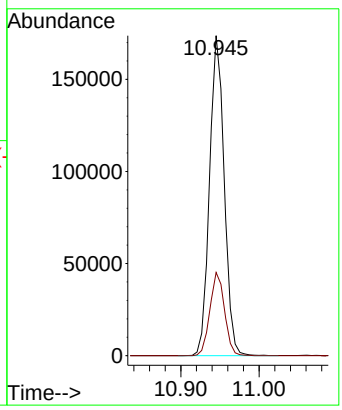


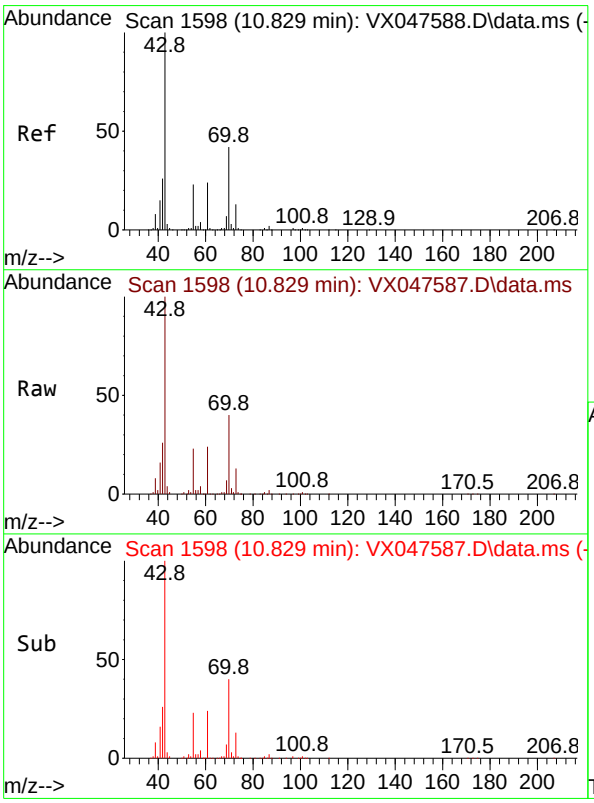

#73
Isopropylbenzene
Concen: 20.970 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 225730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.9 | 12.8 | 38.4 |

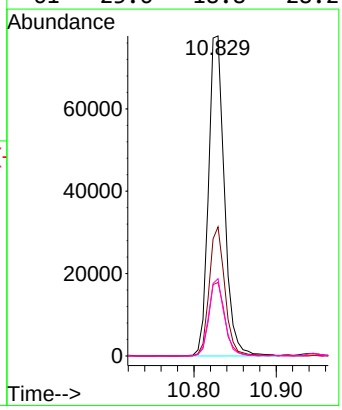


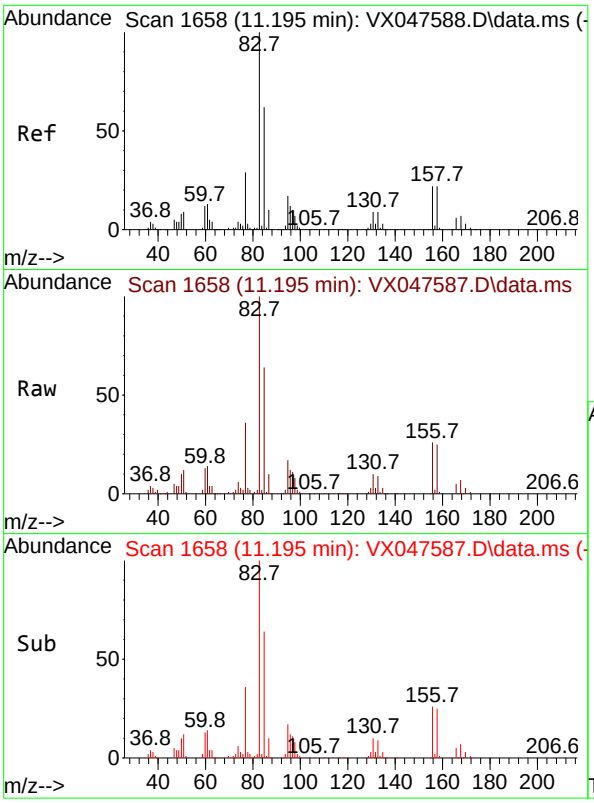




#74
N-amyl acetate
Concen: 21.354 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 43 Resp: 104823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.8 | 32.0 | 48.0 |
| 55 | 23.4 | 18.9 | 28.3 |
| 61 | 23.6 | 18.8 | 28.2 |



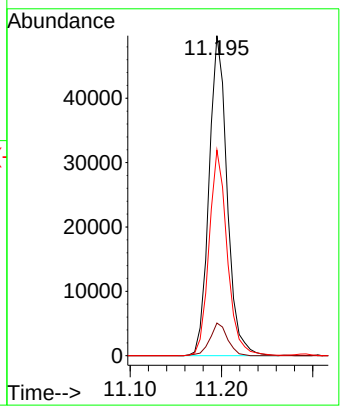


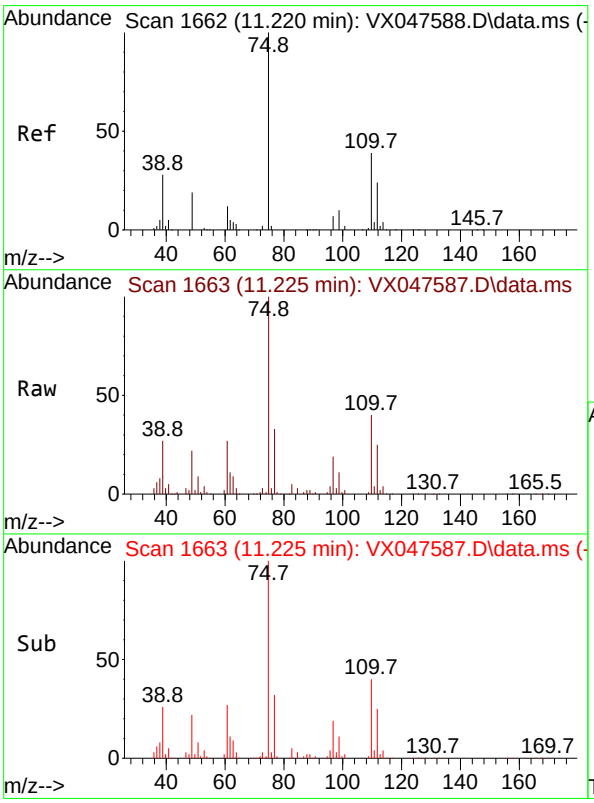

#75
1,1,2,2-Tetrachloroethane
Concen: 20.920 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 83 Resp: 68132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 64.4 | 31.6 | 95.0 |

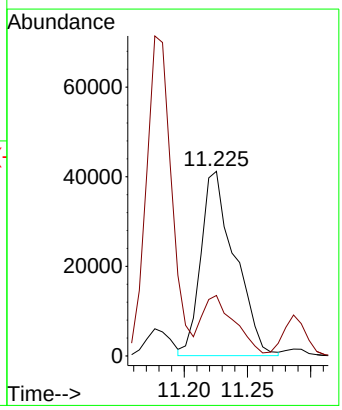


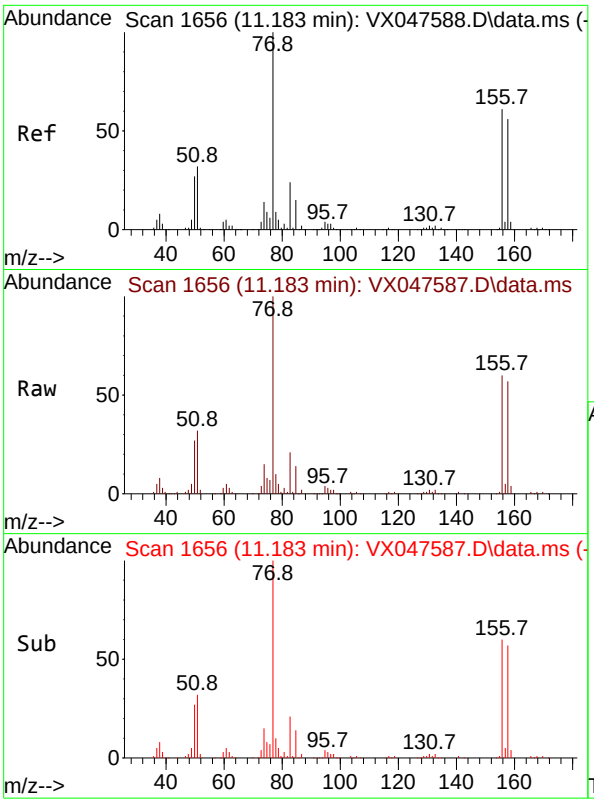




#76
1,2,3-Trichloropropane
Concen: 26.858 ug/l
RT: 11.225 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 76996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 18.8 | 56.4 |



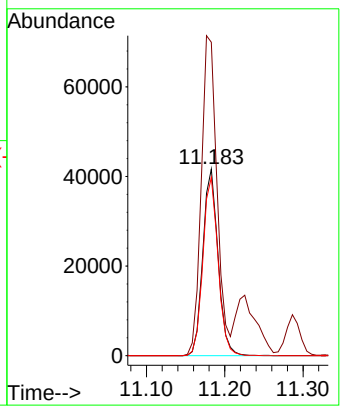


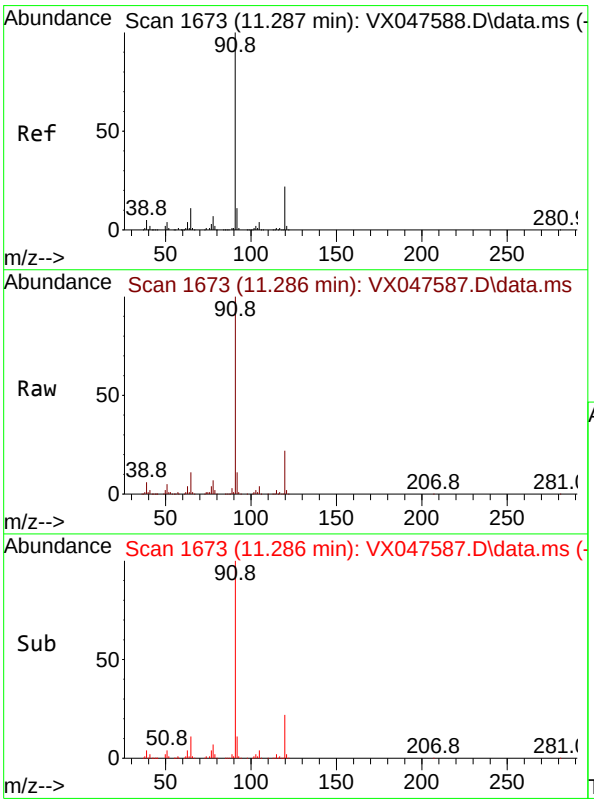

#77
Bromobenzene
Concen: 21.183 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:156 Resp: 56161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.4 | 89.7 | 269.1 |
| 158 | 95.2 | 47.9 | 143.6 |

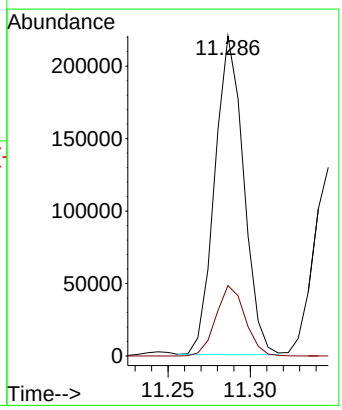


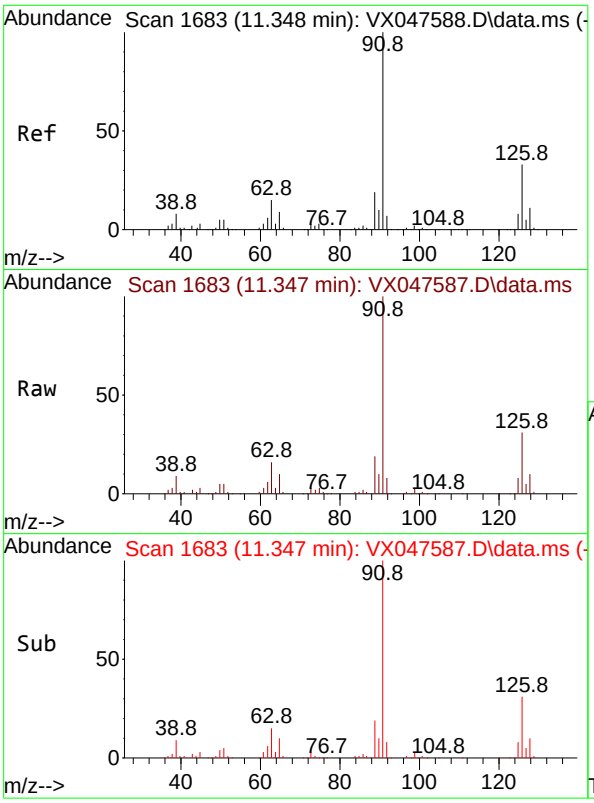




#78
n-propylbenzene
Concen: 21.092 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 268399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.1 | 33.1 |



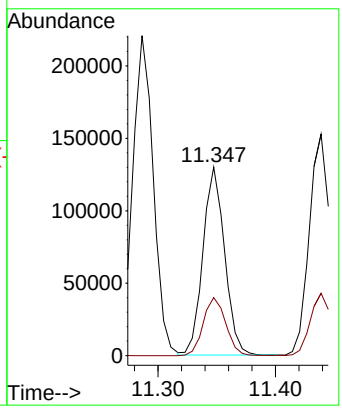


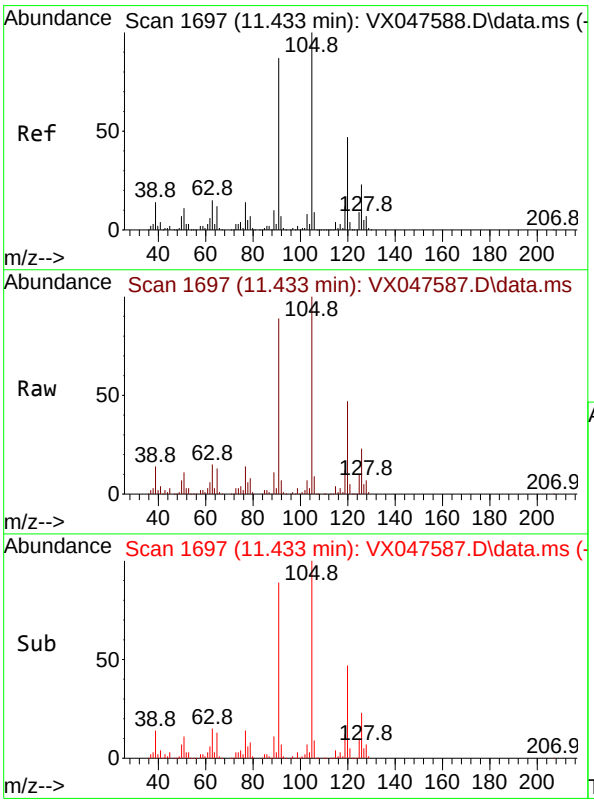

#79
2-Chlorotoluene
Concen: 21.329 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 166237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.1 | 16.1 | 48.3 |

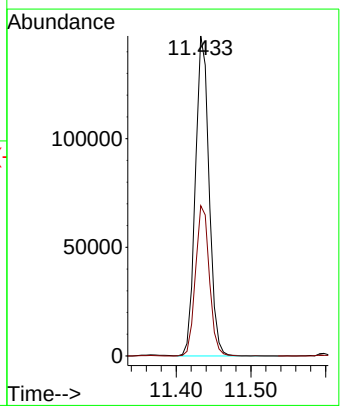


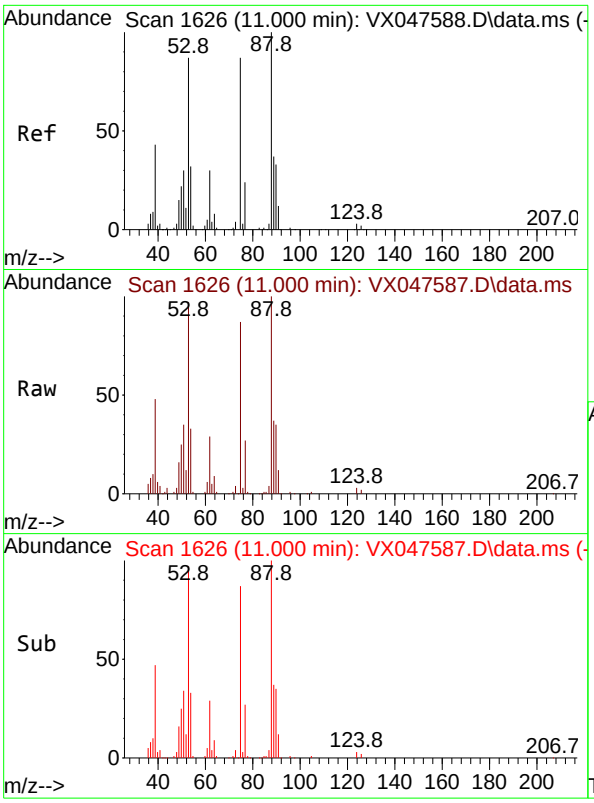




#80
1,3,5-Trimethylbenzene
Concen: 21.202 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 187513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 23.6 | 70.8 |



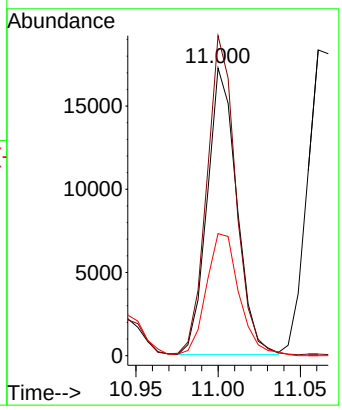


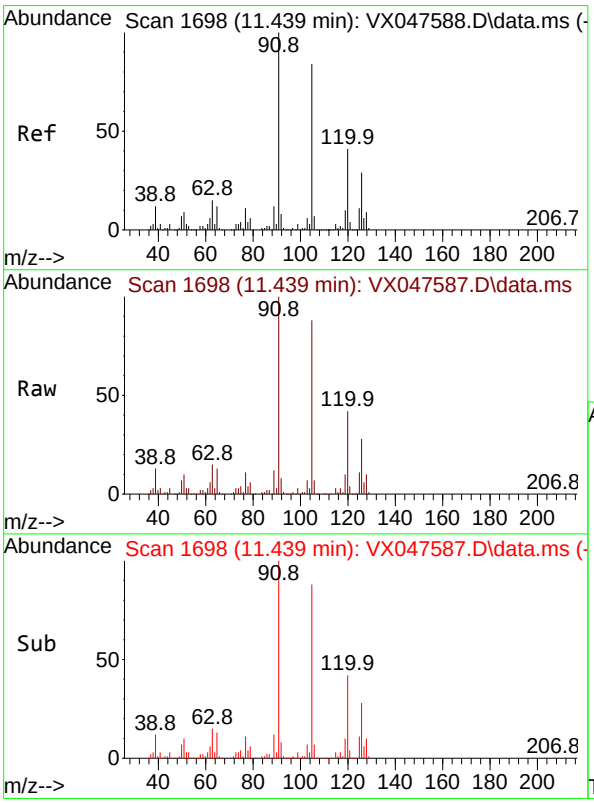

#81
trans-1,4-Dichloro-2-butene
Concen: 19.173 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 75 Resp: 21553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 109.1 | 83.4 | 125.2 |
| 89 | 47.6 | 36.3 | 54.5 |

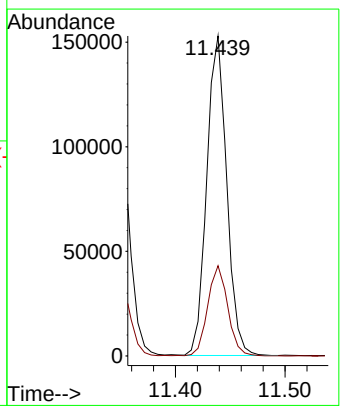


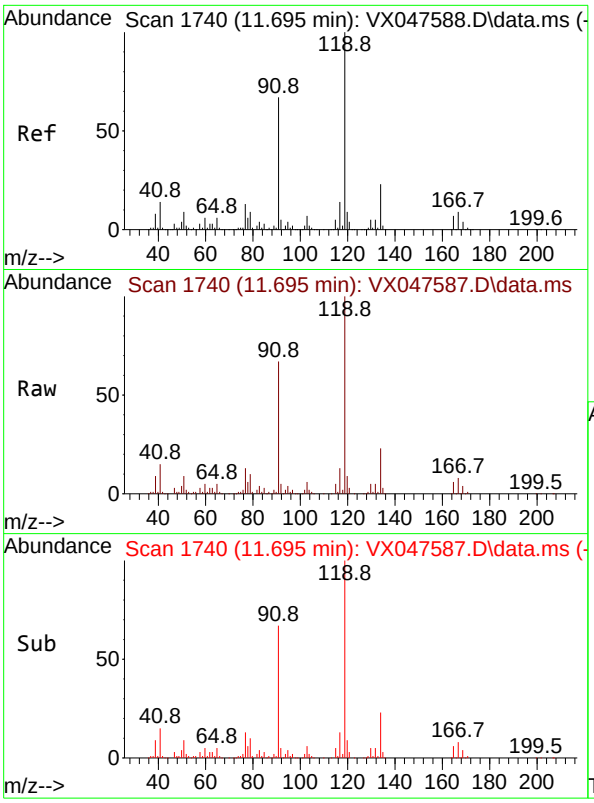




#82
4-Chlorotoluene
Concen: 20.980 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 91 Resp: 193122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.2 | 42.6 |



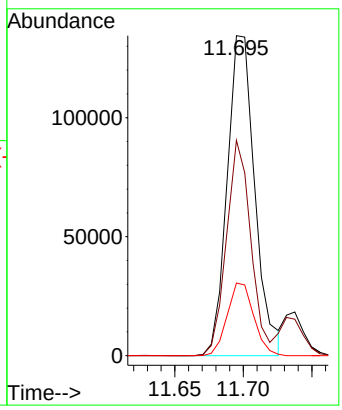


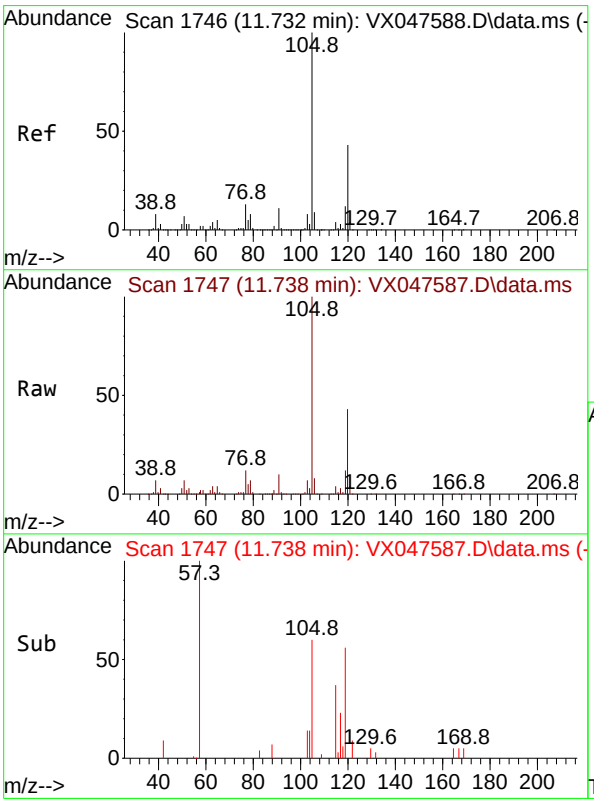

#83
tert-Butylbenzene
Concen: 20.929 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:119 Resp: 189484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 21.8 | 11.0 | 33.0 |

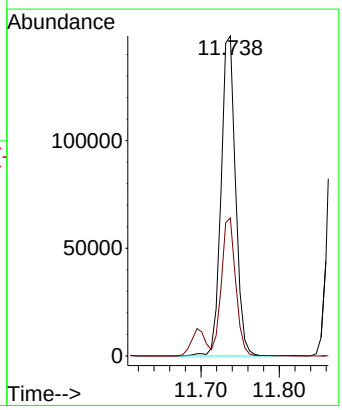


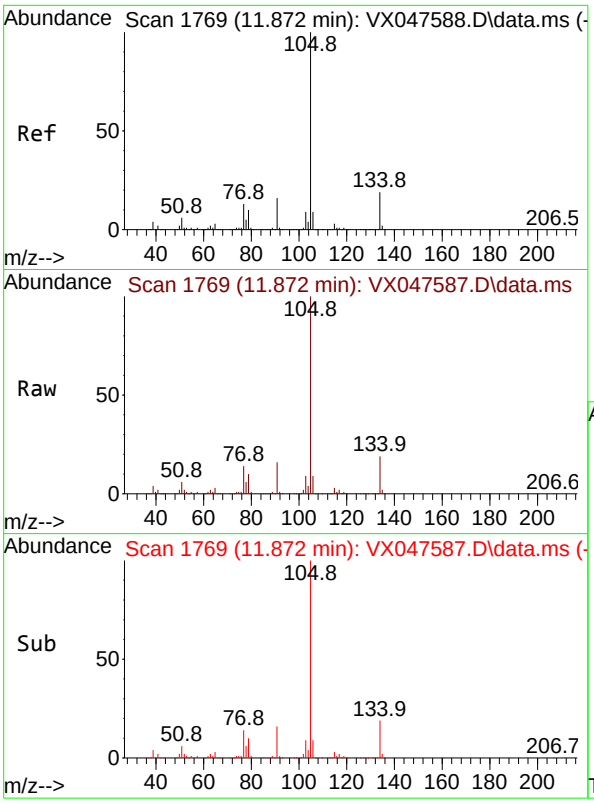




#84
1,2,4-Trimethylbenzene
Concen: 21.355 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:105 Resp: 191477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 42.6 | 22.1 | 66.1 |



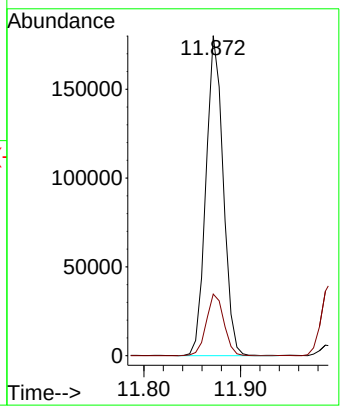


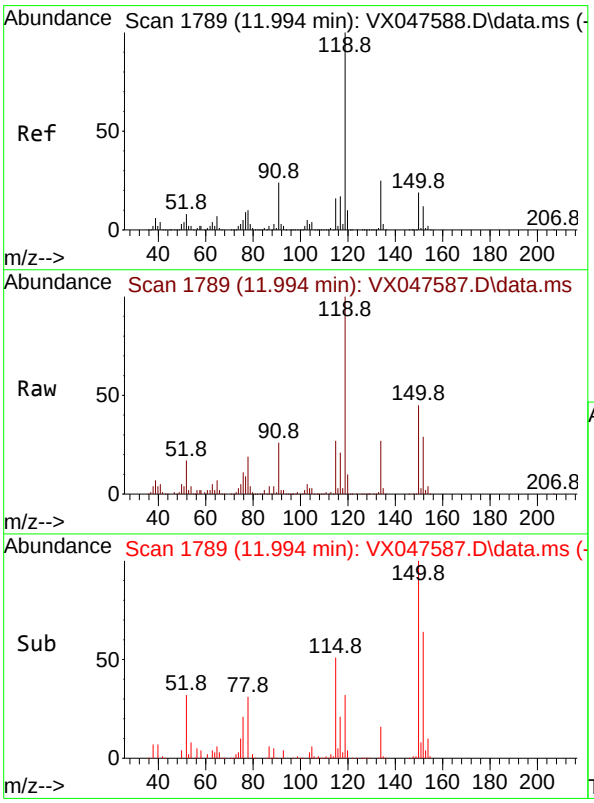

#85
sec-Butylbenzene
Concen: 20.777 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:105 Resp: 223434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

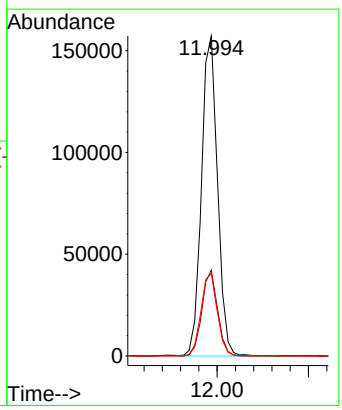


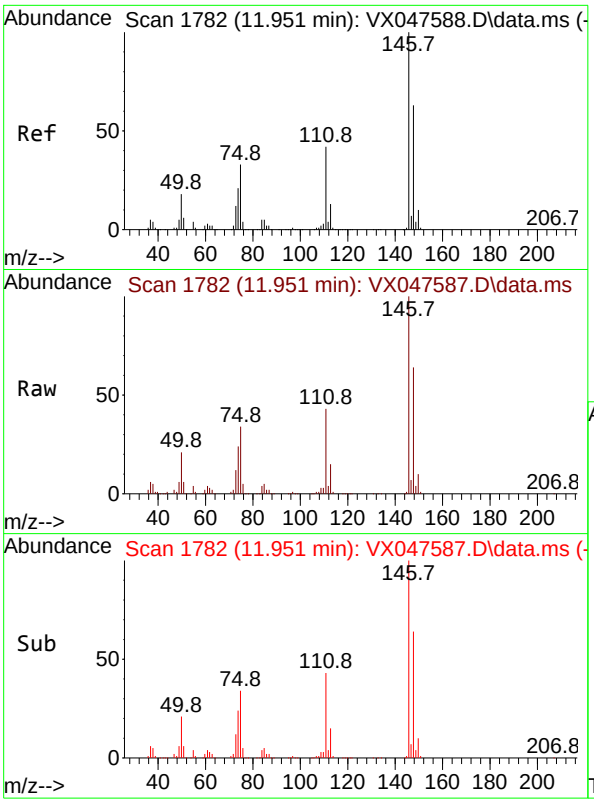




#86
p-Isopropyltoluene
Concen: 20.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:119 Resp: 190931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.6 | 37.8 |
| 91 | 26.2 | 12.6 | 37.6 |



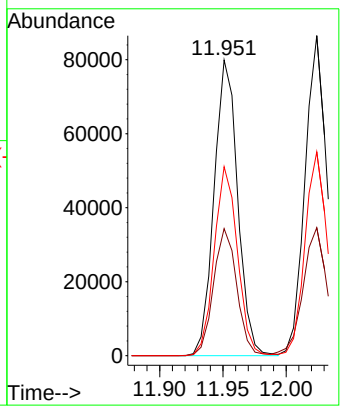


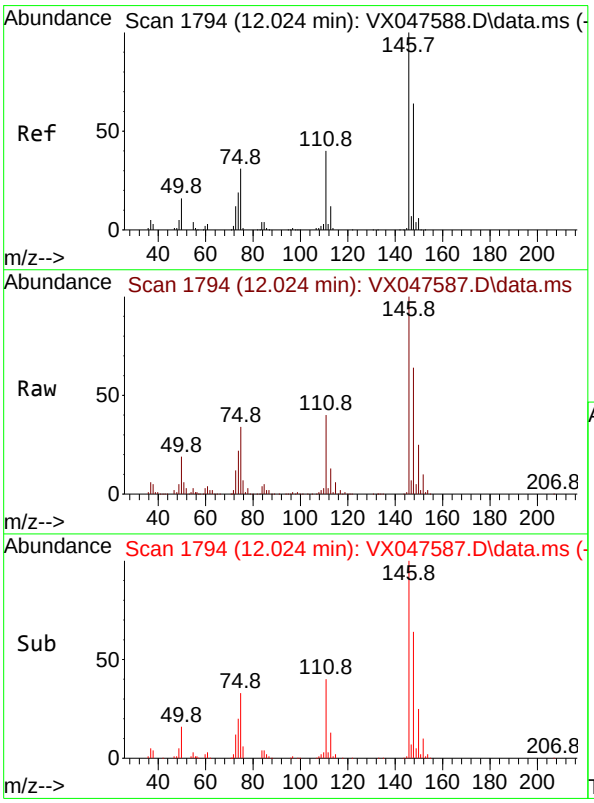

#87
1,3-Dichlorobenzene
Concen: 21.035 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 103584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 62.7 | 32.0 | 96.0 |

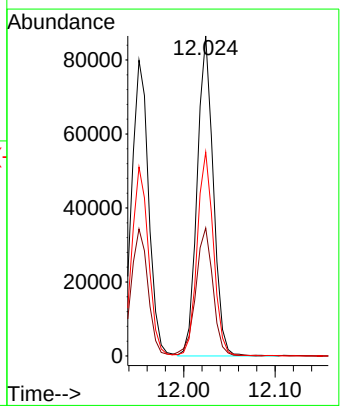


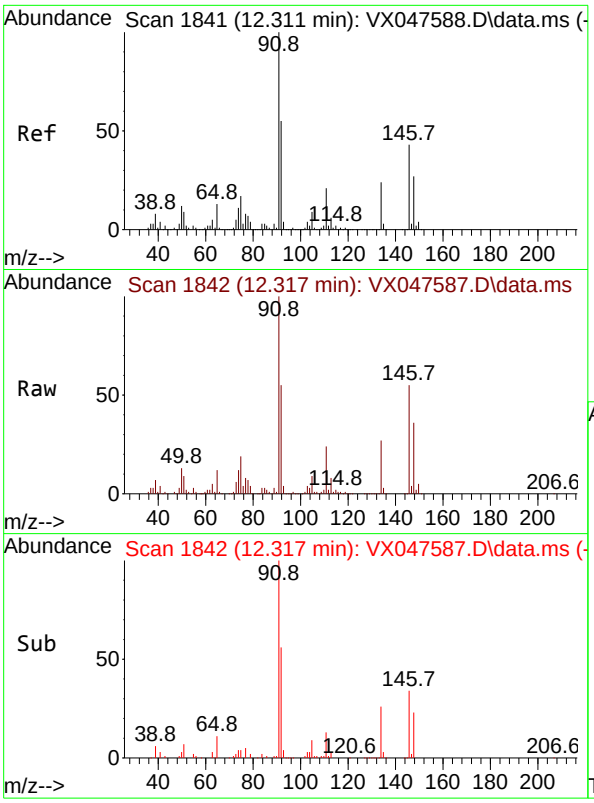




#88
1,4-Dichlorobenzene
Concen: 20.937 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:146 Resp: 105819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 20.8 | 62.4 |
| 148 | 64.4 | 31.7 | 95.1 |



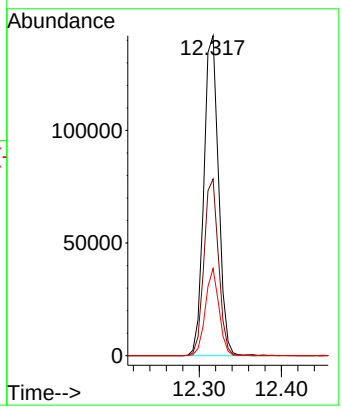


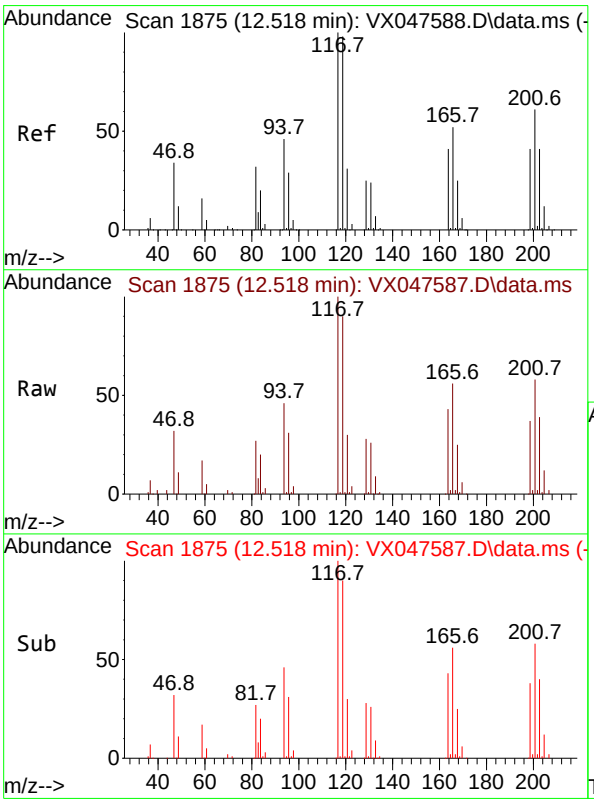

#89
n-Butylbenzene
Concen: 20.937 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion: 91 Resp: 176373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 27.6 | 82.7 |
| 134 | 25.3 | 12.6 | 37.8 |

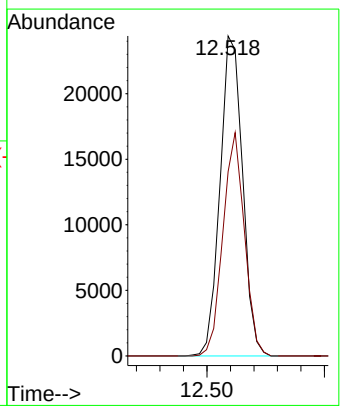


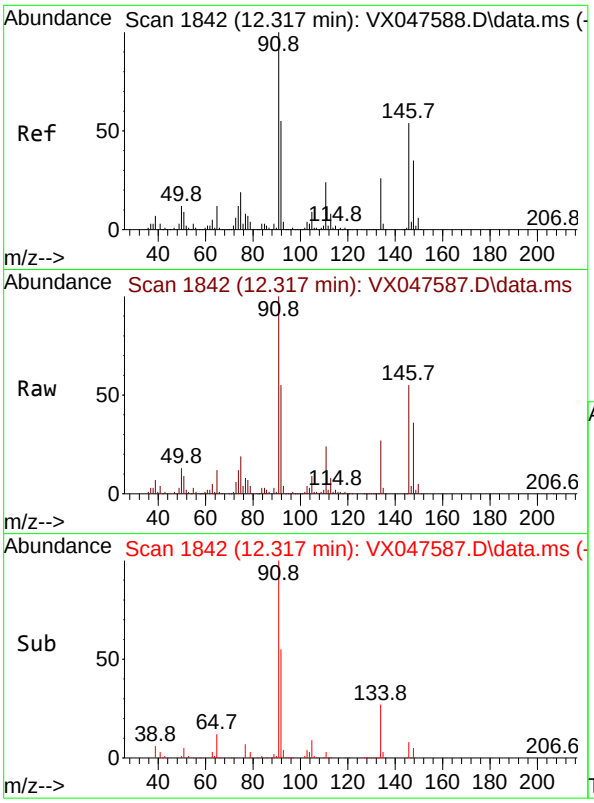




#90
Hexachloroethane
Concen: 20.349 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:117 Resp: 32526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.6 | 34.2 | 102.5 |



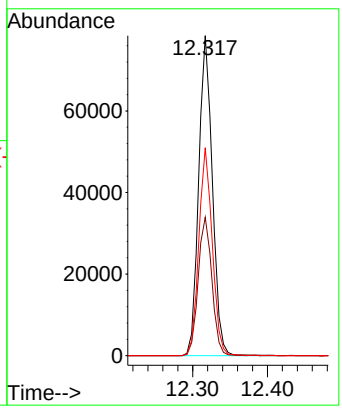


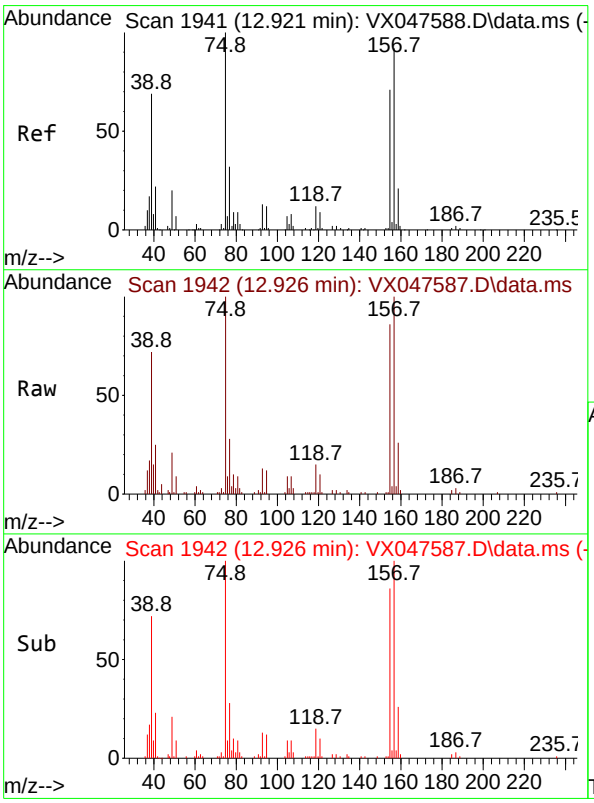

#91
1,2-Dichlorobenzene
Concen: 21.207 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:146 Resp: 99493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.4 | 22.2 | 66.6 |
| 148 | 63.9 | 31.8 | 95.4 |

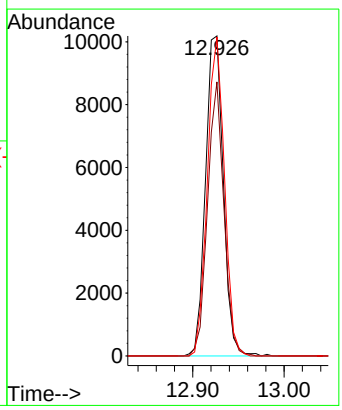


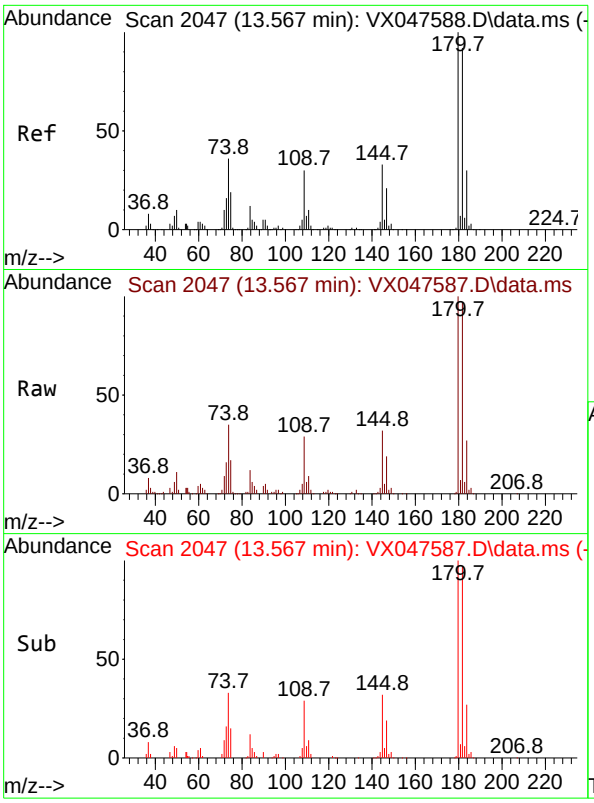




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.821 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion: 75 Resp: 13729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.8 | 37.7 | 113.1 |
| 157 | 95.9 | 49.8 | 149.4 |



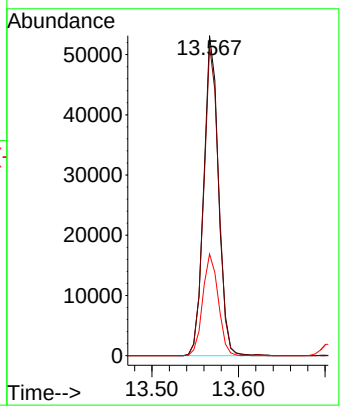


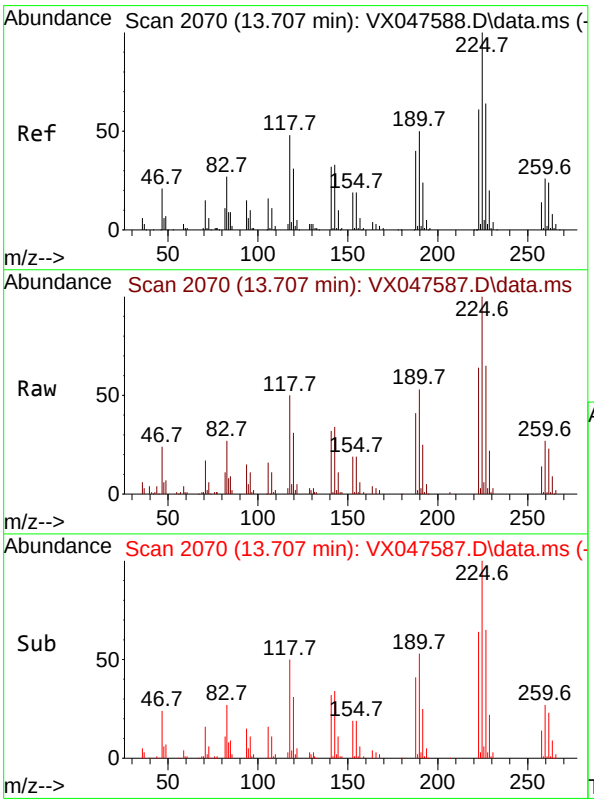

#93
1,2,4-Trichlorobenzene
Concen: 20.571 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:180 Resp: 62722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 97.8 | 46.6 | 139.8 |
| 145 | 33.4 | 16.4 | 49.1 |

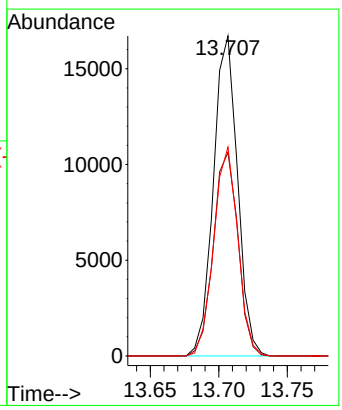


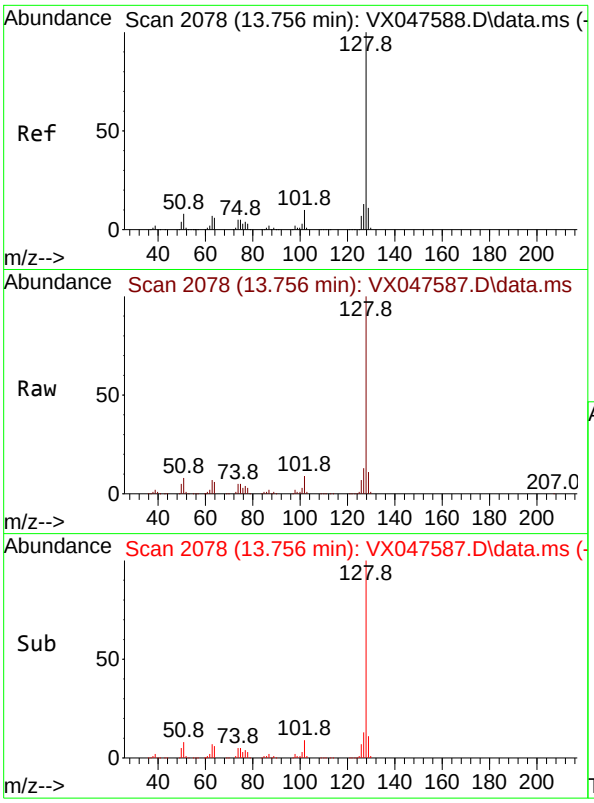




#94
Hexachlorobutadiene
Concen: 19.751 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:225 Resp: 20456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.0 | 31.7 | 95.1 |
| 227 | 65.1 | 32.0 | 96.0 |



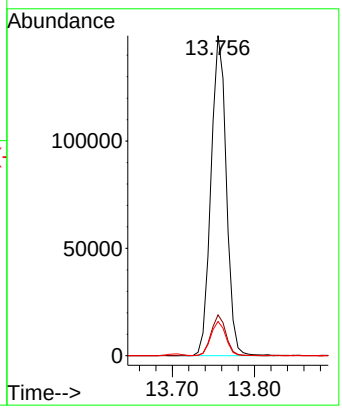


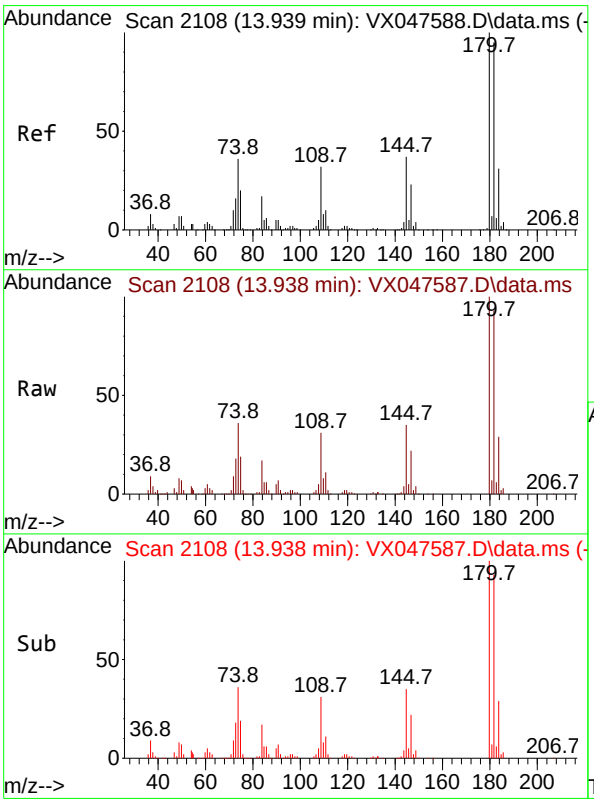

#95
Naphthalene
Concen: 20.801 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Tgt Ion:128 Resp: 193134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.3 | 10.2 | 15.2 |
| 129 | 10.5 | 8.8 | 13.2 |

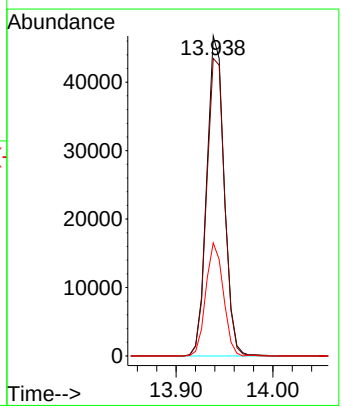



#96
1,2,3-Trichlorobenzene
Concen: 20.593 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047587.D
Acq: 16 Sep 2025 10:37

Tgt Ion:180 Resp: 58409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.6 | 142.8 |
| 145 | 35.5 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 173407 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 307383 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 270040 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 127732 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 133606 | 48.404 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 96.800% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 101627 | 49.298 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 98.600% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 352578 | 49.428 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.860% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 131217 | 48.471 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 96.940% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 86824 | 48.352 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 114682 | 48.594 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 114666 | 49.635 | ug/l | 100 |
| 5) Bromomethane | 1.618 | 94 | 73561 | 50.216 | ug/l | 100 |
| 6) Chloroethane | 1.697 | 64 | 76736 | 49.698 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 172561 | 50.307 | ug/l | 100 |
| 8) Diethyl Ether | 2.136 | 74 | 70874 | 50.510 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 101178 | 50.445 | ug/l | 100 |
| 10) Methyl Iodide | 2.459 | 142 | 158046 | 50.525 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.941 | 59 | 77232 | 251.232 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 104724 | 50.831 | ug/l | 100 |
| 13) Acrolein | 2.239 | 56 | 70721 | 249.645 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 210001 | 49.396 | ug/l | 100 |
| 15) Acrylonitrile | 3.063 | 53 | 300642 | 264.027 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 275065 | 229.193 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 271480 | 48.133 | ug/l | 100 |
| 18) Methyl Acetate | 2.703 | 43 | 151968 | 56.897 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 389607 | 51.804 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 126506 | 49.798 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 112553 | 50.743 | ug/l | 100 |
| 22) Diisopropyl ether | 3.758 | 45 | 429524 | 52.131 | ug/l | 100 |
| 23) Vinyl Acetate | 3.715 | 43 | 1726735 | 261.852 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 224824 | 51.338 | ug/l | 100 |
| 25) 2-Butanone | 4.538 | 43 | 380335 | 254.060 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 185247 | 50.888 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 140105 | 51.576 | ug/l | 100 |
| 28) Bromochloromethane | 4.891 | 49 | 99991 | 52.301 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.989 | 42 | 238677 | 265.026 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 229430 | 51.844 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 178546 | 48.952 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 195407 | 52.058 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 149800 | 49.729 | ug/l | 100 |
| 37) Ethyl Acetate | 4.702 | 43 | 163482 | 50.687 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 165730 | 50.637 | ug/l | 100 |
| 39) Methylcyclohexane | 7.367 | 83 | 173610 | 50.773 | ug/l | 100 |
| 40) Benzene | 6.025 | 78 | 468136 | 51.167 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 87761 | 52.707 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 179037 | 51.431 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.324 | 43 | 275572 | 52.096 | ug/l | | 100 |
| 44) Trichloroethene | 7.111 | 130 | 113832 | 51.463 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 122109 | 52.122 | ug/l | | 100 |
| 46) Dibromomethane | 7.568 | 93 | 88505 | 51.914 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.806 | 83 | 186540 | 53.025 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.678 | 41 | 138167 | 52.438 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.647 | 88 | 29496 | 1107.698 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 784978 | 267.650 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 288853 | 51.244 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 190282 | 53.027 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 200859 | 52.369 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 112837 | 51.915 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.104 | 69 | 184087 | 53.930 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 195989 | 52.492 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 418707 | 256.309 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 553313 | 262.683 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.506 | 129 | 133737 | 53.401 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 116462 | 52.607 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.257 | 164 | 88149 | 50.074 | ug/l | | 100 |
| 65) Chlorobenzene | 10.061 | 112 | 317982 | 51.833 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 111849 | 52.835 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 550610 | 52.017 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 412932 | 104.809 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 202291 | 53.084 | ug/l | | 100 |
| 70) Styrene | 10.640 | 104 | 350654 | 52.515 | ug/l | | 100 |
| 71) Bromoform | 10.781 | 173 | 84485 | 53.447 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 516891 | 53.227 | ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 237846 | 53.710 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 156454 | 53.251 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 178309 | 68.947 | ug/l | | 88 |
| 77) Bromobenzene | 11.183 | 156 | 126174 | 52.754 | ug/l | | 100 |
| 78) n-propylbenzene | 11.287 | 91 | 612035 | 53.315 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 372397 | 52.965 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 426989 | 53.518 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 52927 | 52.190 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 438502 | 52.806 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 429107 | 52.539 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 427073 | 52.798 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 514442 | 53.029 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 436704 | 53.172 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 232038 | 52.232 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 233975 | 51.316 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 400997 | 52.766 | ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 75800 | 52.567 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 222993 | 52.688 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.921 | 75 | 32451 | 54.554 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 147670 | 53.685 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 49061 | 52.510 | ug/l | | 100 |
| 95) Naphthalene | 13.756 | 128 | 452013 | 53.966 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 138978 | 54.316 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

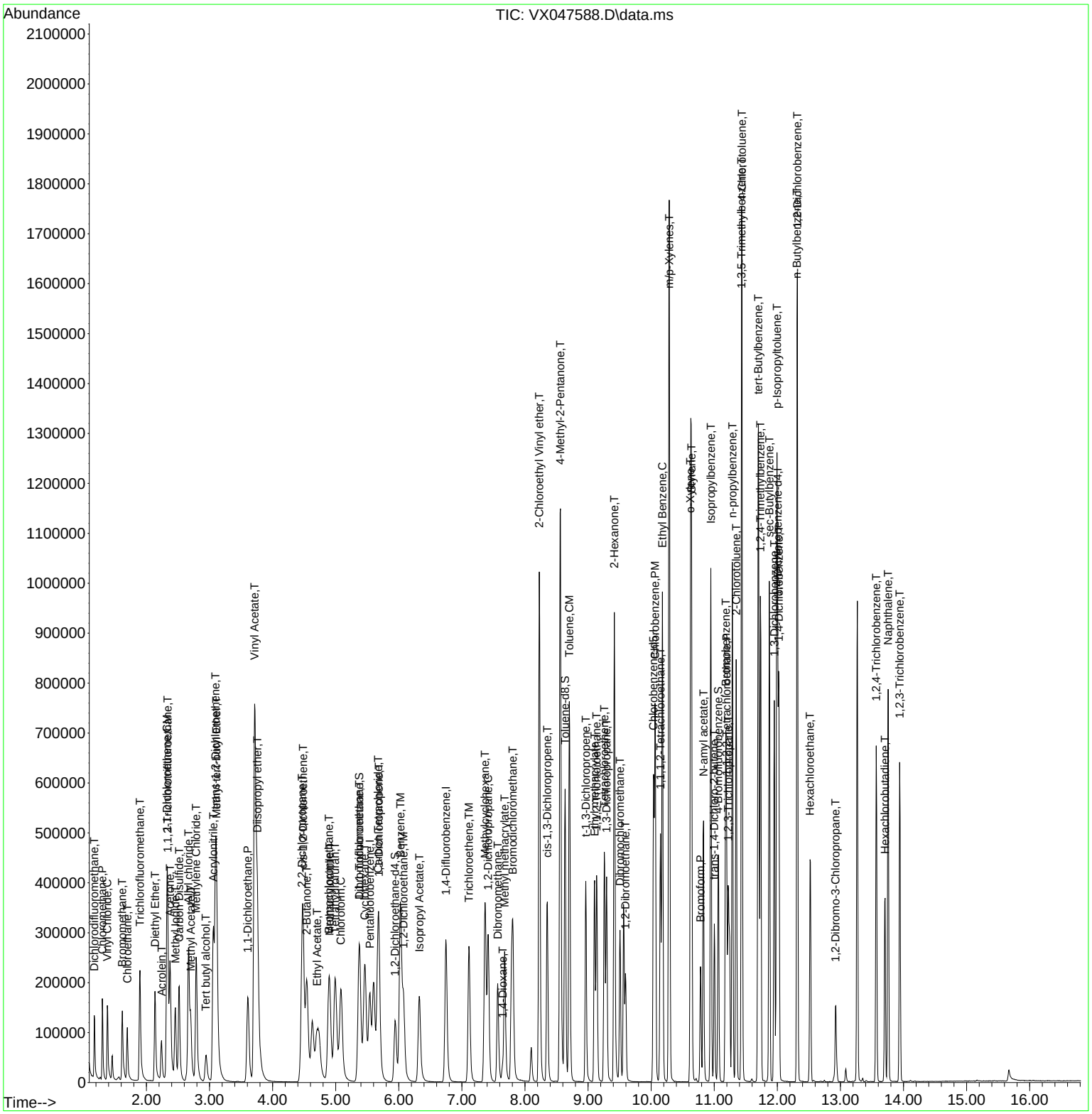
(#) = qualifier out of range (m) = manual integration (+) = signals summed

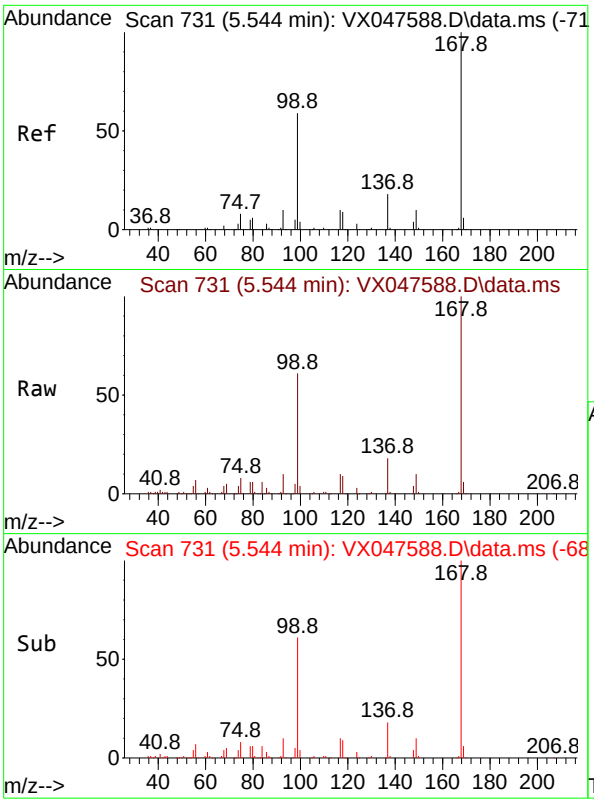
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Sep 22 01:50:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



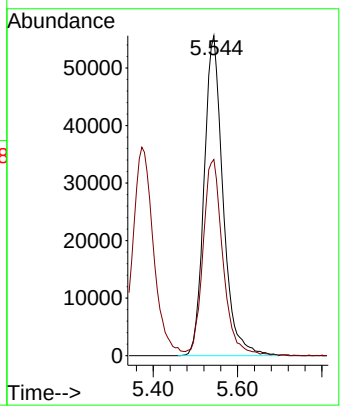


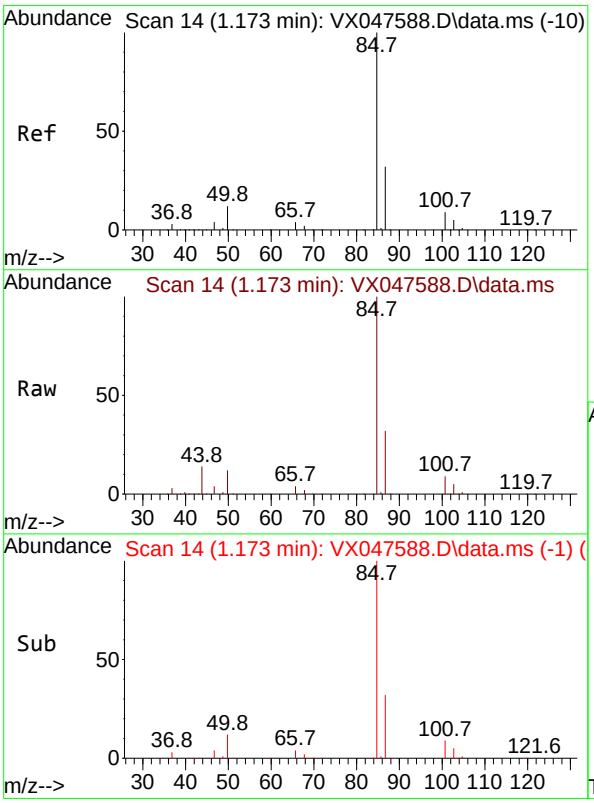

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:168 Resp: 173407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.0 | 48.8 | 73.2 |

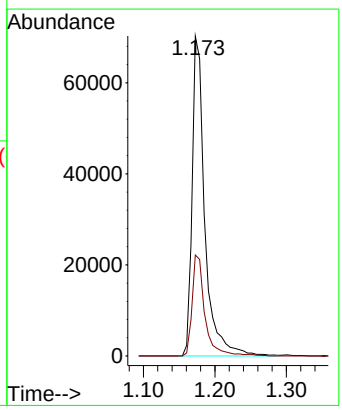


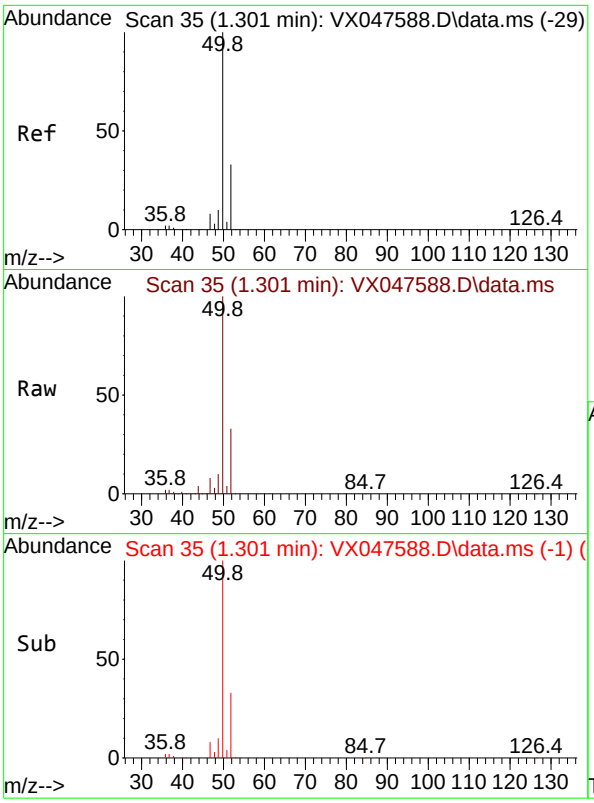




#2
Dichlorodifluoromethane
Concen: 48.352 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 85 Resp: 86824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.5 | 15.8 | 47.3 |



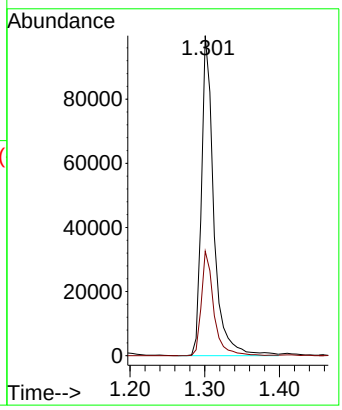


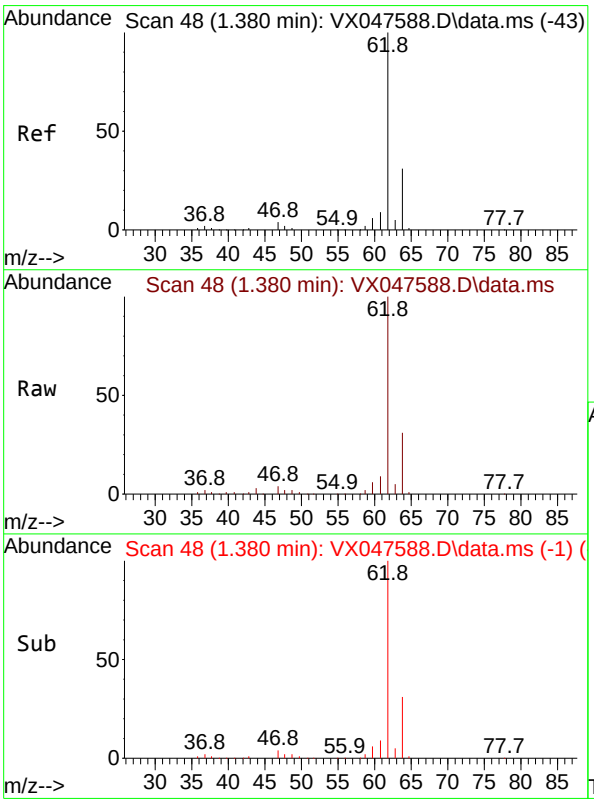

#3
Chloromethane
Concen: 48.594 ug/l
RT: 1.301 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 50 Resp: 114682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.1 | 39.1 |

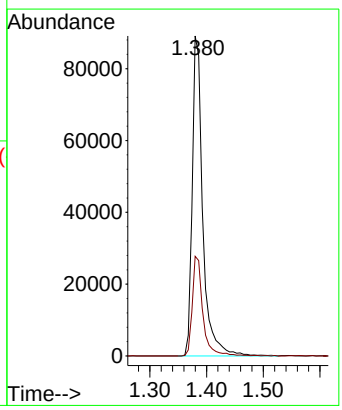


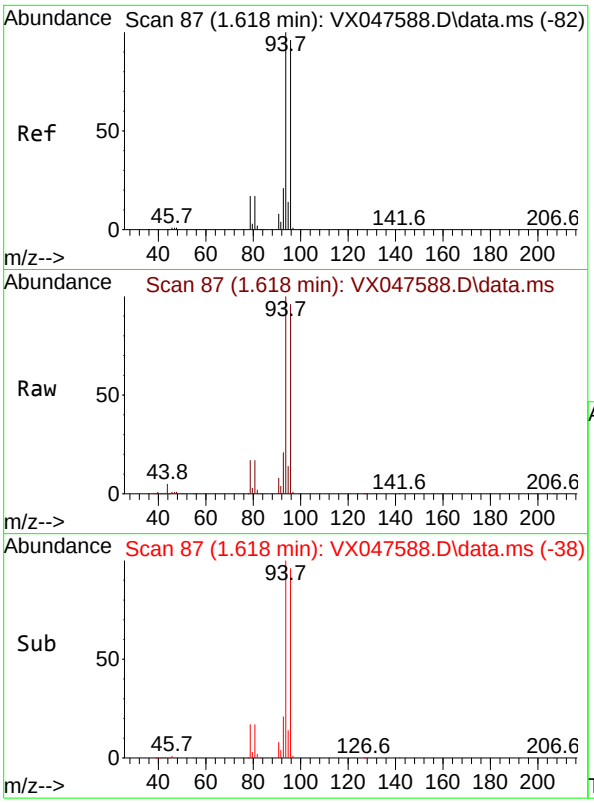




#4
Vinyl Chloride
Concen: 49.635 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 114666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 24.9 | 37.3 |



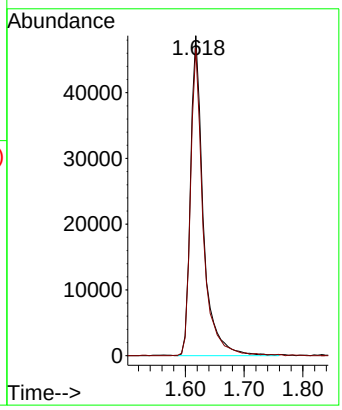


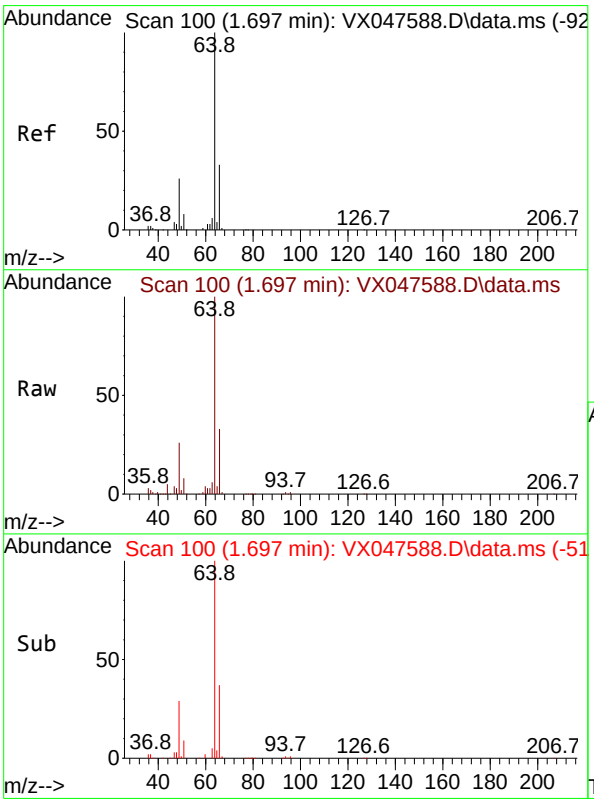

#5
Bromomethane
Concen: 50.216 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 94 Resp: 73561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.8 | 76.6 | 115.0 |

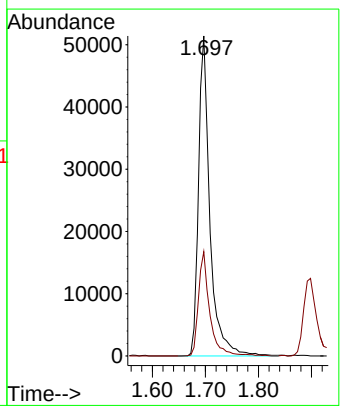


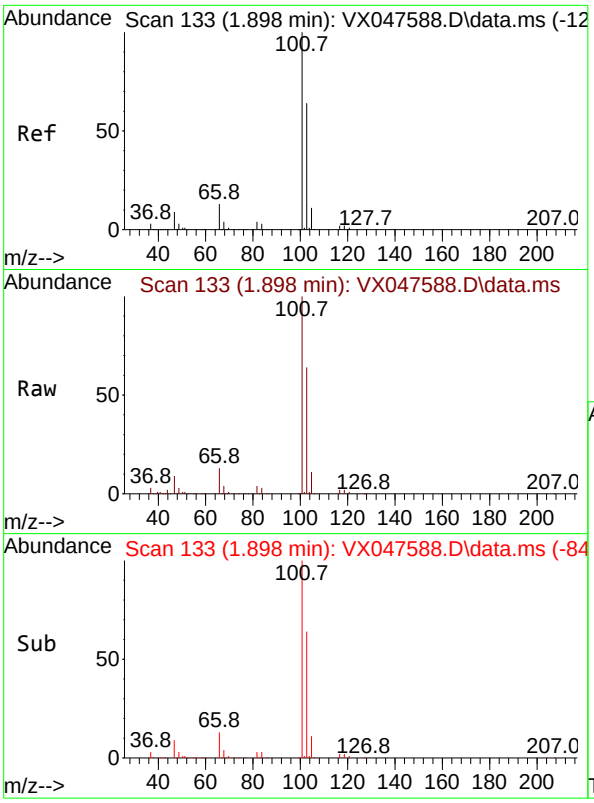




#6
Chloroethane
Concen: 49.698 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 64 Resp: 76736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.6 | 26.1 | 39.1 |



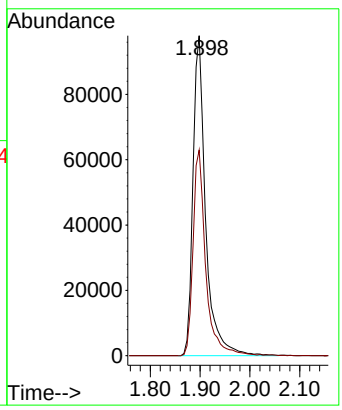


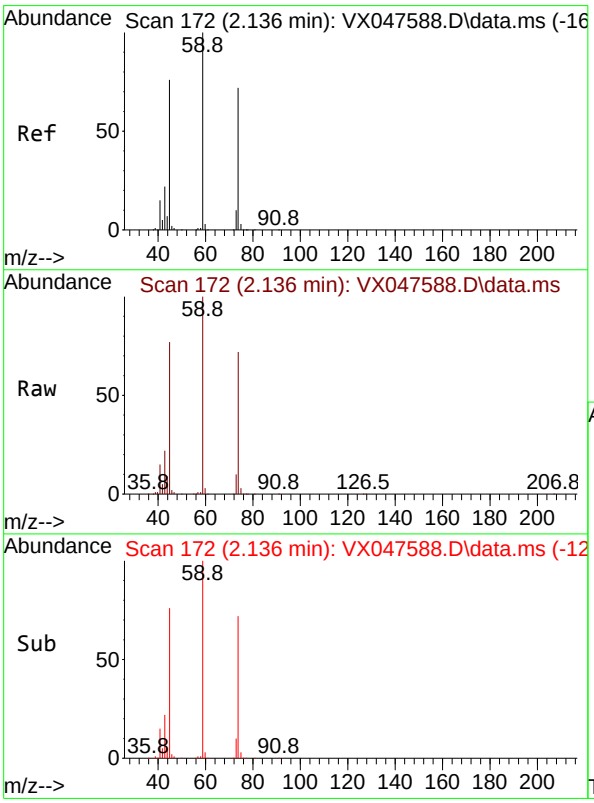

#7
Trichlorofluoromethane
Concen: 50.307 ug/l
RT: 1.898 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 172561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.3 | 51.4 | 77.2 |

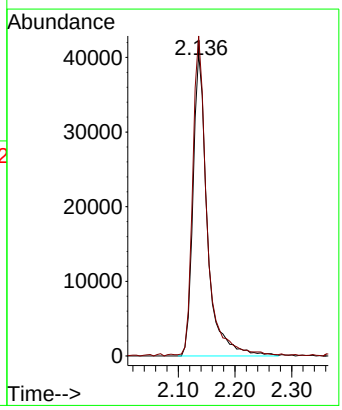


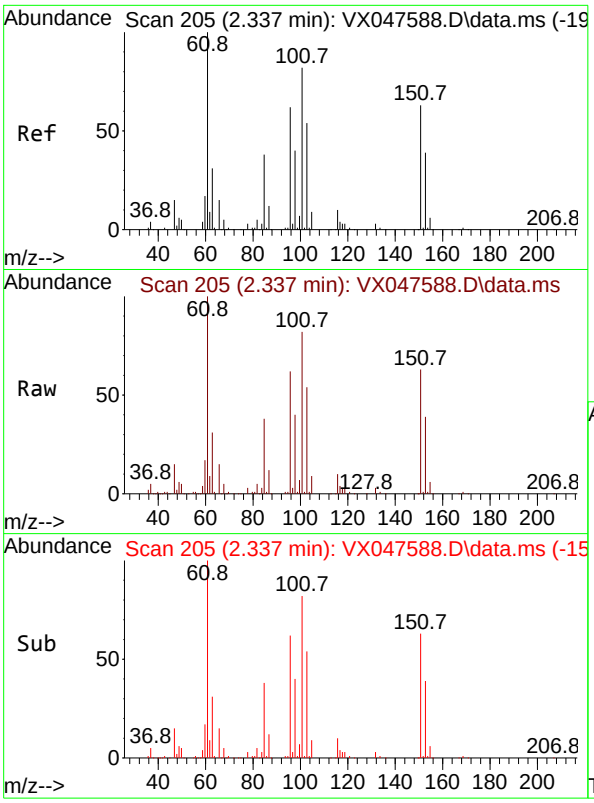




#8
Diethyl Ether
Concen: 50.510 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 74 Resp: 70874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.5 | 52.3 | 156.8 |



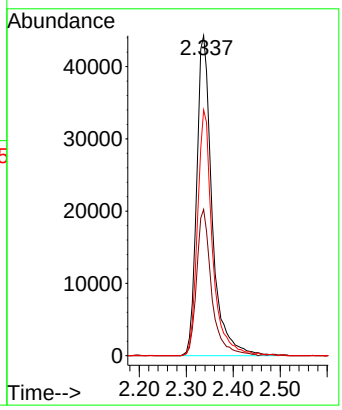


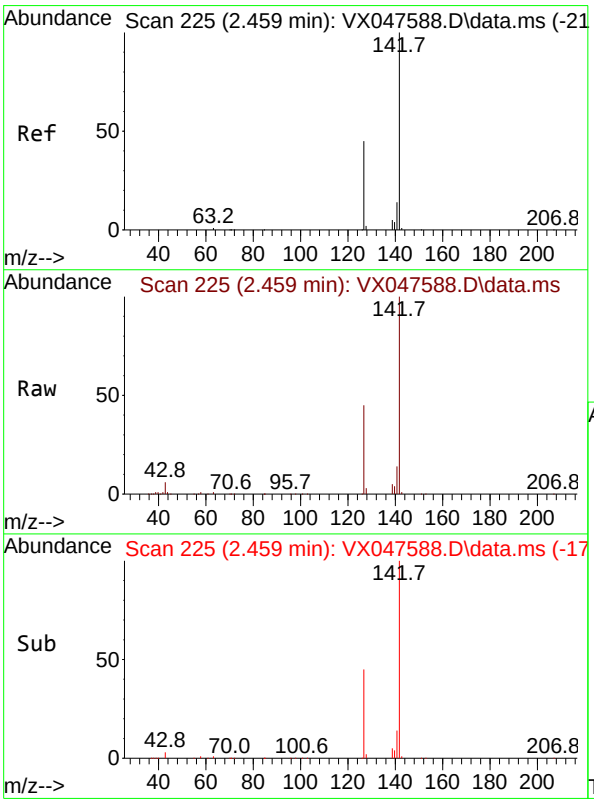

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.445 ug/l
RT: 2.337 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:101 Resp: 101178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 35.5 | 53.3 |
| 151 | 74.2 | 59.4 | 89.0 |

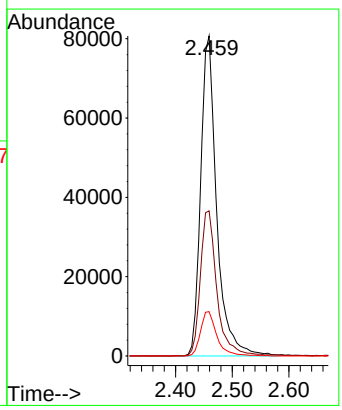


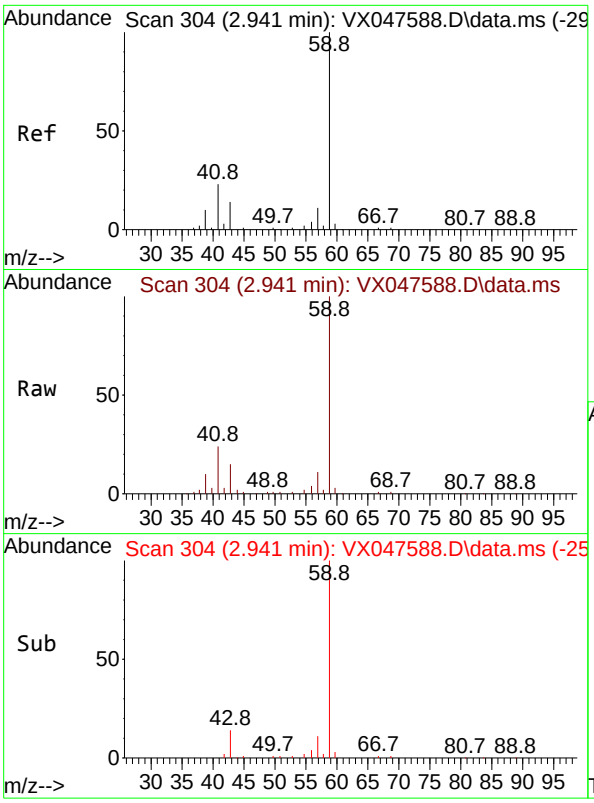




#10
Methyl Iodide
Concen: 50.525 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:142 Resp: 158046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.2 | 11.4 | 17.0 |



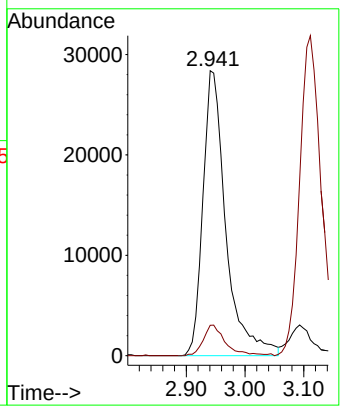


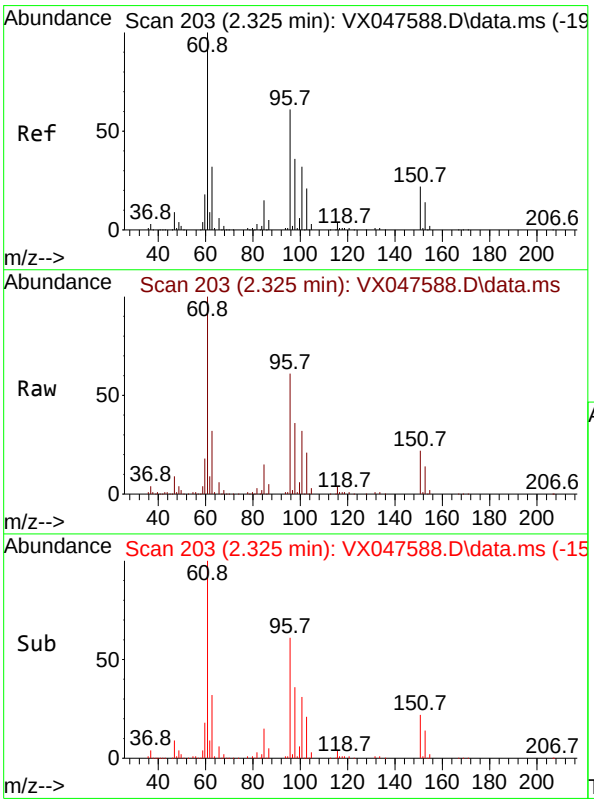

#11
Tert butyl alcohol
Concen: 251.232 ug/l
RT: 2.941 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 59 Resp: 77232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

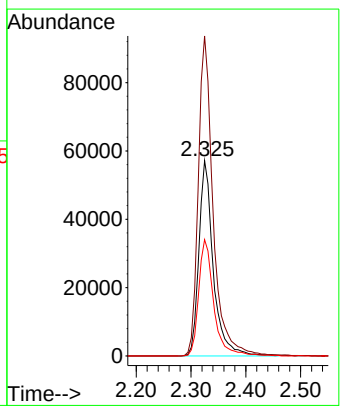


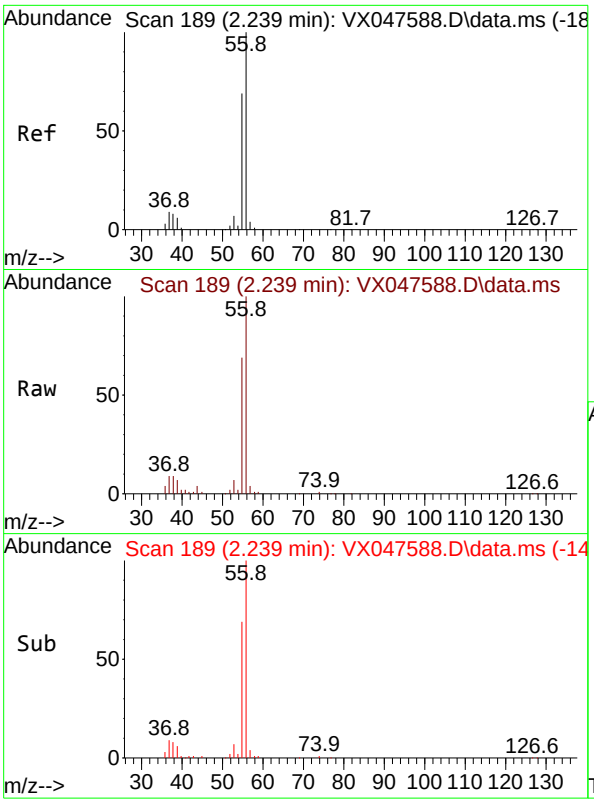




#12
1,1-Dichloroethene
Concen: 50.831 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 96 Resp: 104724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 163.8 | 131.0 | 196.6 |
| 98 | 59.6 | 47.7 | 71.5 |



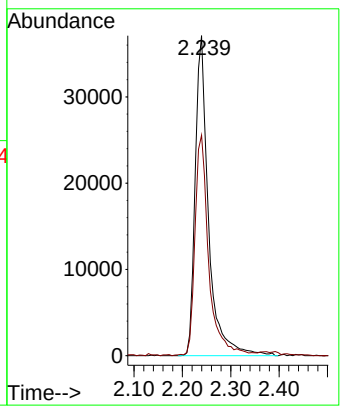


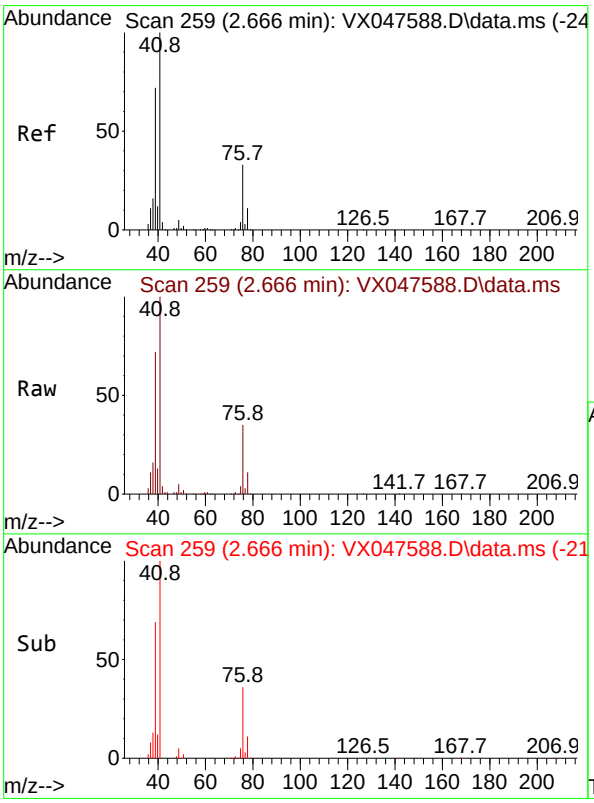

#13
Acrolein
Concen: 249.645 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 70721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.5 | 57.2 | 85.8 |

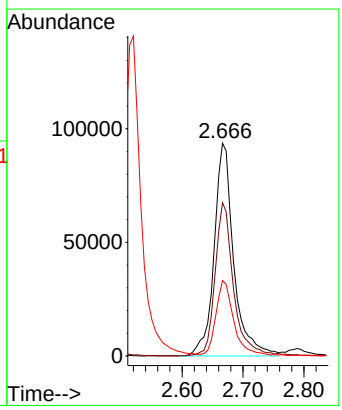


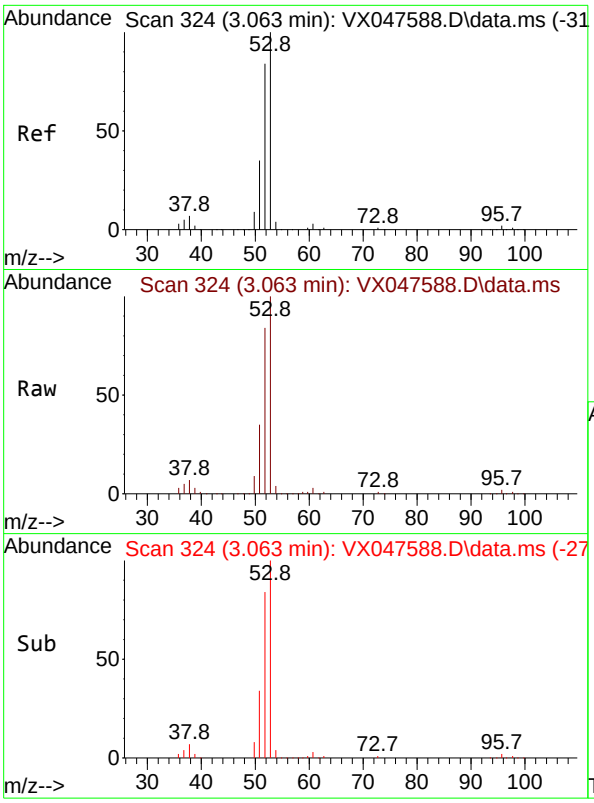




#14
Allyl chloride
Concen: 49.396 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 210001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 68.4 | 54.7 | 82.1 |
| 76 | 32.1 | 25.7 | 38.5 |



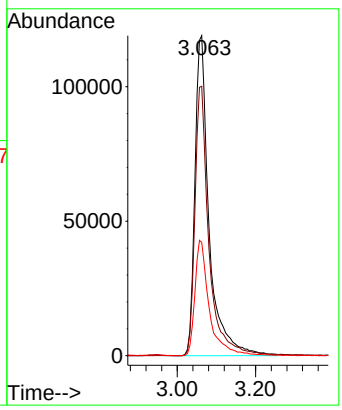


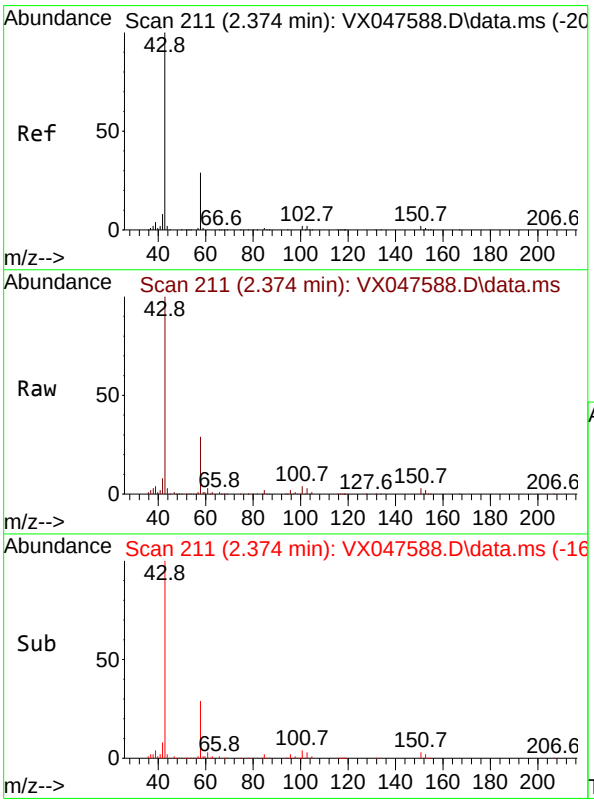

#15
Acrylonitrile
Concen: 264.027 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 53 Resp: 300642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 83.0 | 66.4 | 99.6 |
| 51 | 36.9 | 29.5 | 44.3 |

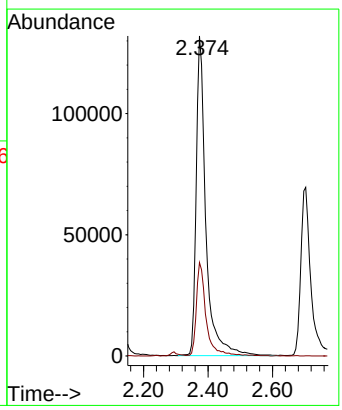


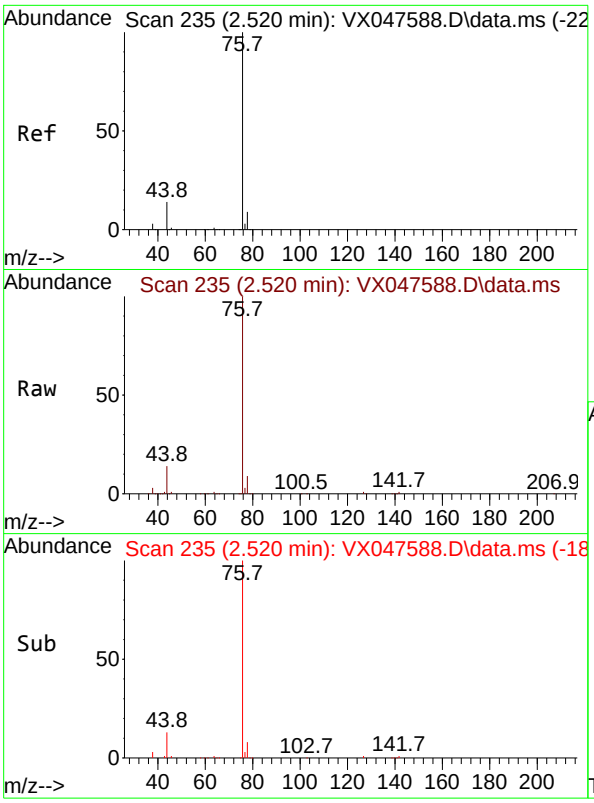




#16
Acetone
Concen: 229.193 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 275065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.2 | 23.4 | 35.0 |



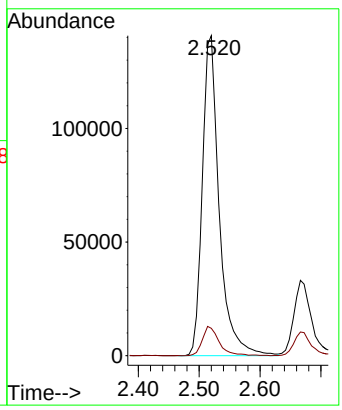


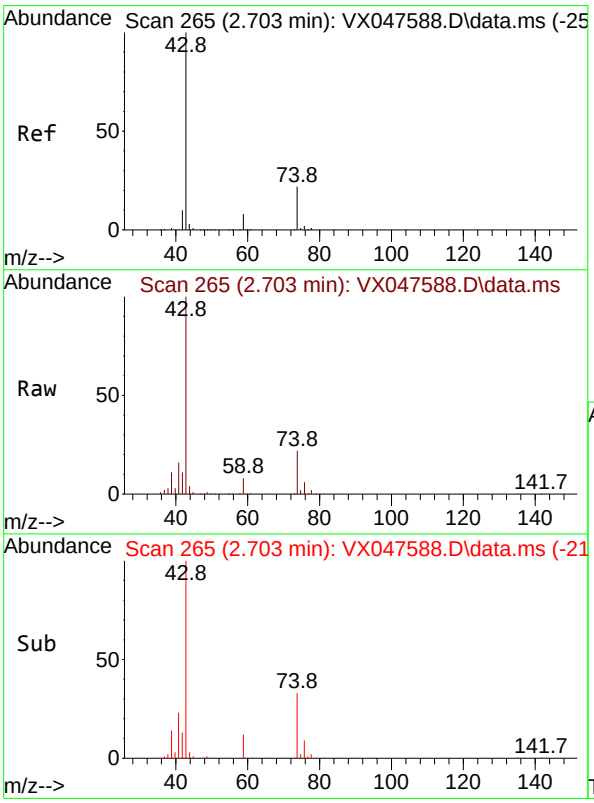

#17
Carbon Disulfide
Concen: 48.133 ug/l
RT: 2.520 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 271480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.5 | 6.8 | 10.2 |

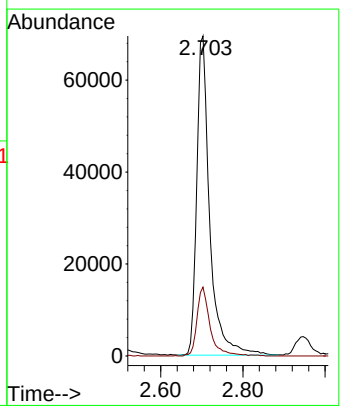


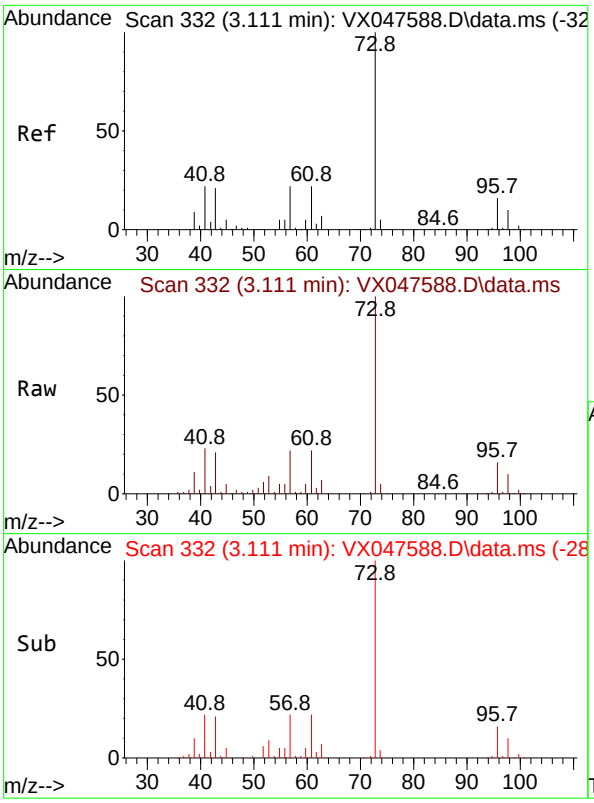




#18
Methyl Acetate
Concen: 56.897 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 151968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |



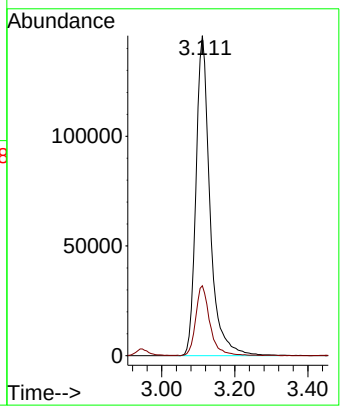


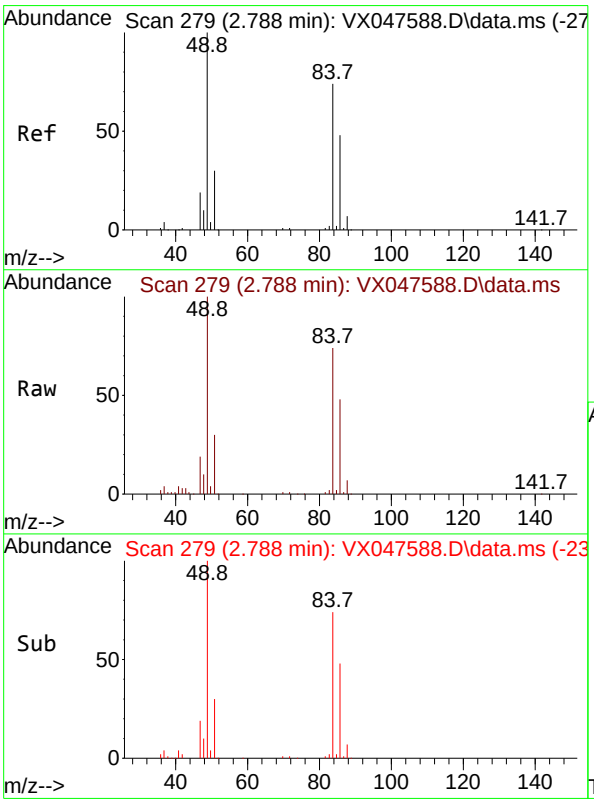

#19
Methyl tert-butyl Ether
Concen: 51.804 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 73 Resp: 389607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.8 | 17.4 | 26.2 |

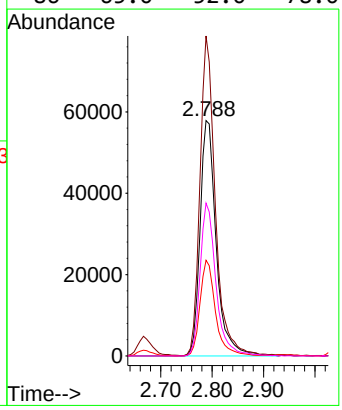


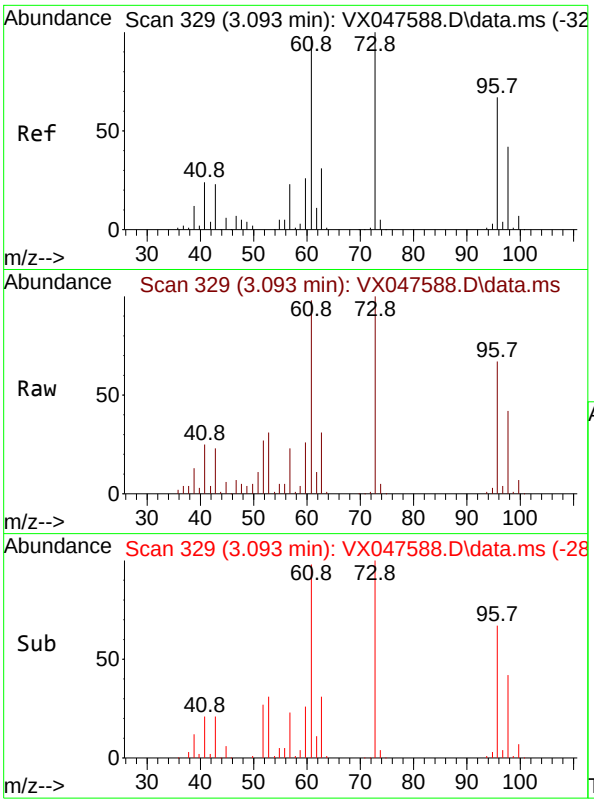




#20
Methylene Chloride
Concen: 49.798 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 84 Resp: 126506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 135.7 | 108.6 | 162.8 |
| 51 | 40.7 | 32.6 | 48.8 |
| 86 | 65.0 | 52.0 | 78.0 |



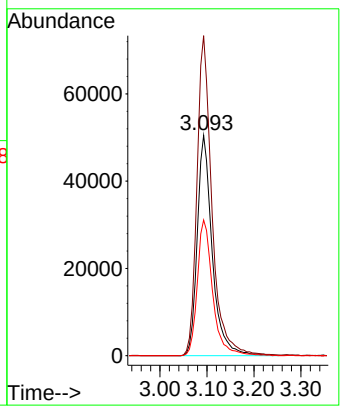


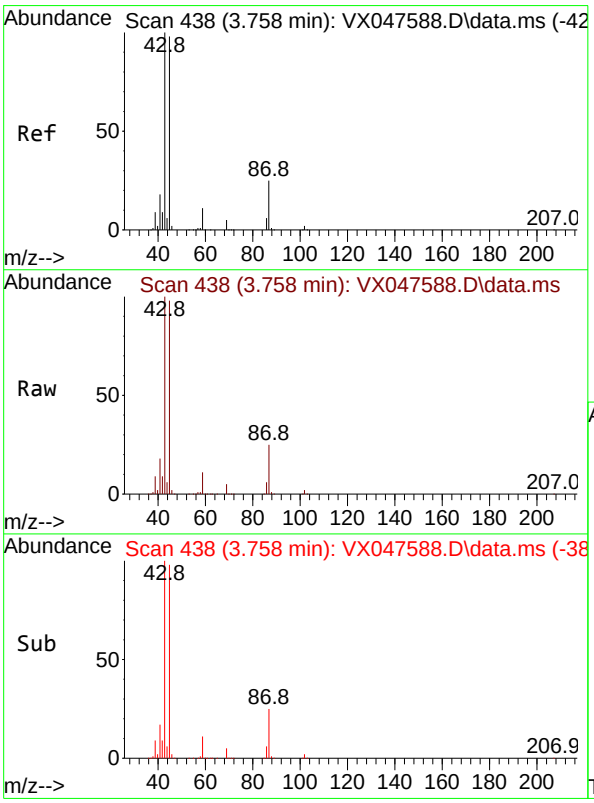

#21
trans-1,2-Dichloroethene
Concen: 50.743 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 112553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.2 | 116.2 | 174.2 |
| 98 | 61.6 | 49.3 | 73.9 |

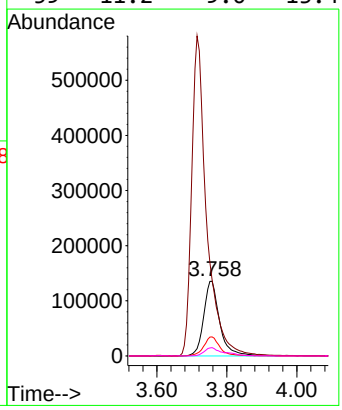


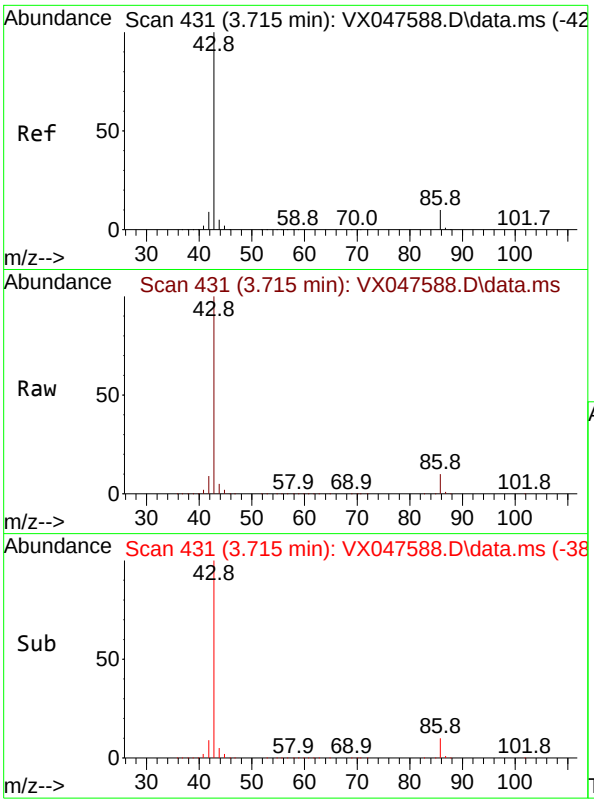




#22
Diisopropyl ether
Concen: 52.131 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 45 Resp: 429524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.2 | 81.0 | 121.4 |
| 87 | 25.4 | 20.3 | 30.5 |
| 59 | 11.2 | 9.0 | 13.4 |



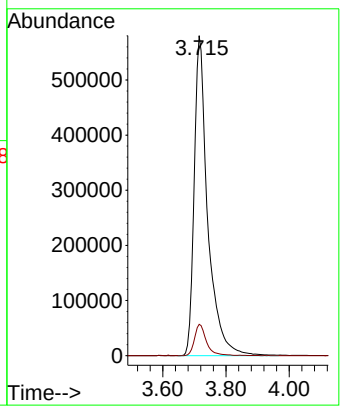


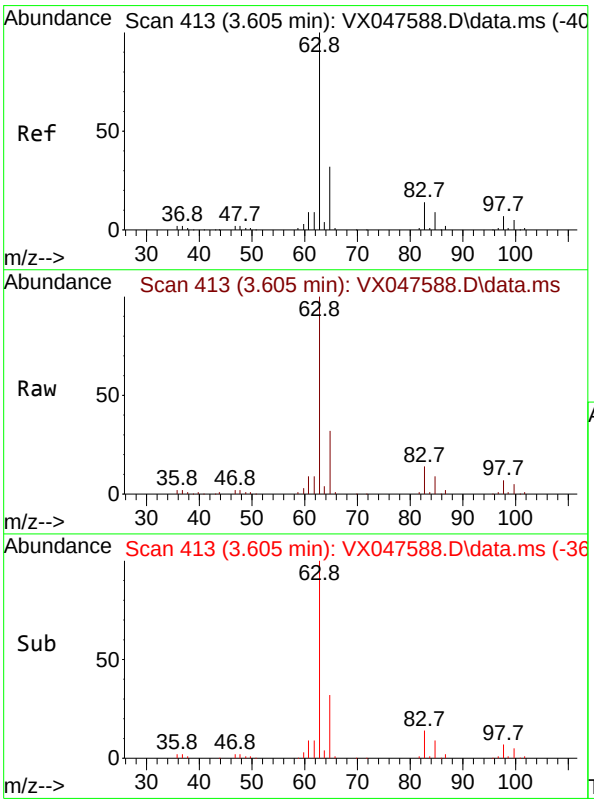

#23
Vinyl Acetate
Concen: 261.852 ug/l
RT: 3.715 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 1726735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.8 | 7.8 | 11.8 |

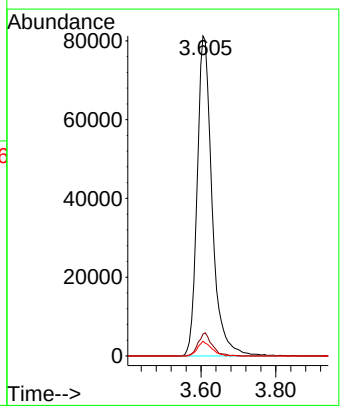


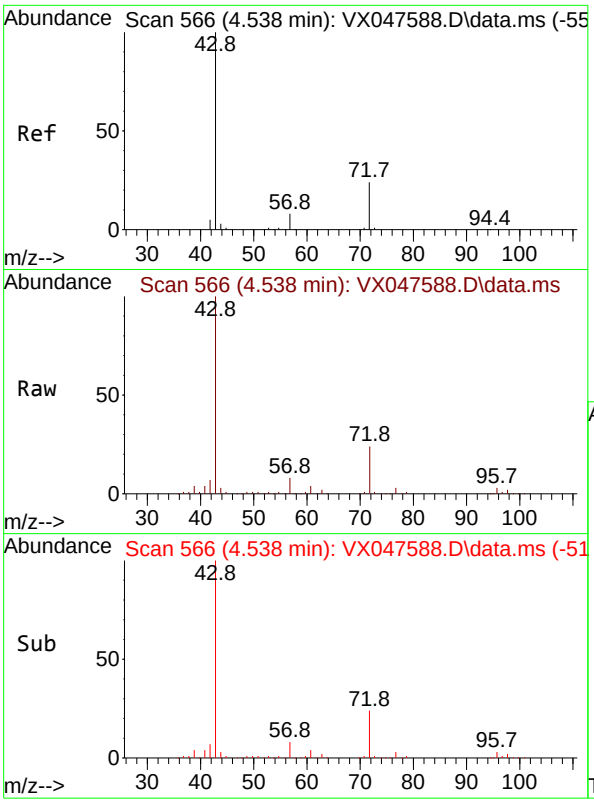




#24
1,1-Dichloroethane
Concen: 51.338 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 224824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.5 | 3.8 | 11.2 |
| 100 | 4.6 | 2.3 | 6.9 |



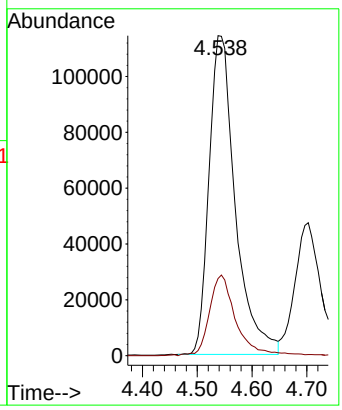


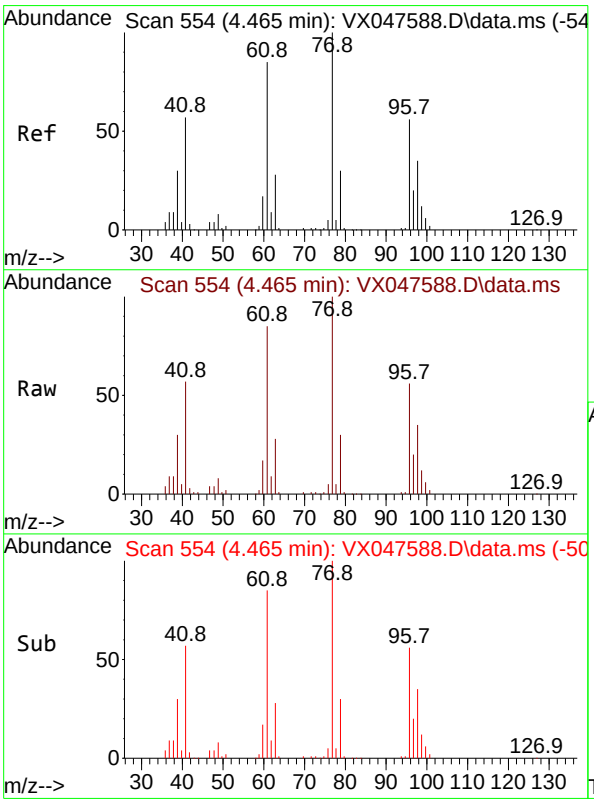

#25
2-Butanone
Concen: 254.060 ug/l
RT: 4.538 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 380335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 25.1 | 20.1 | 30.1 |

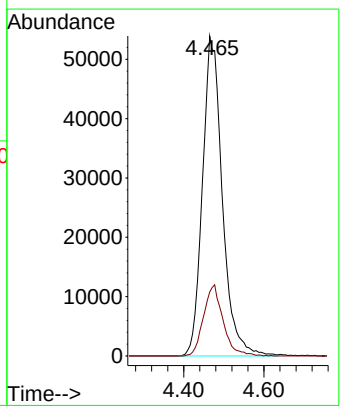


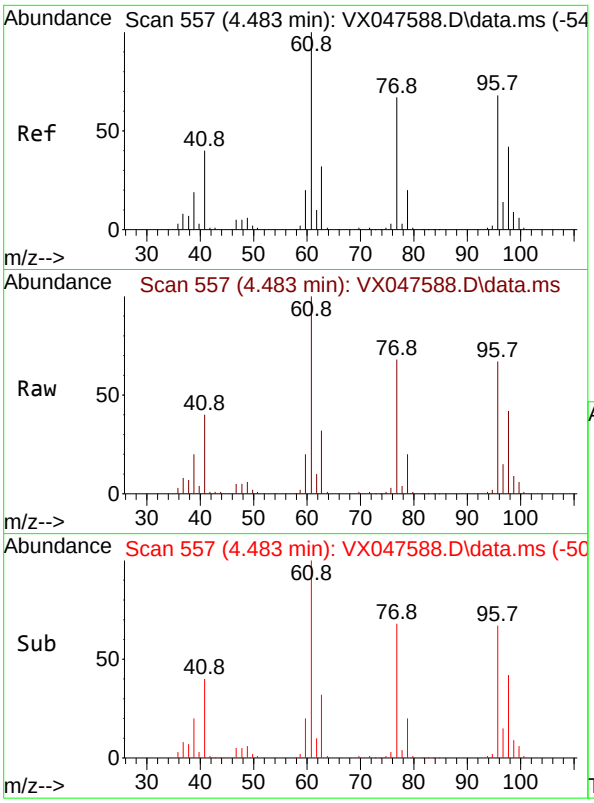




#26
2,2-Dichloropropane
Concen: 50.888 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 77 Resp: 185247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.8 | 10.9 | 32.7 |



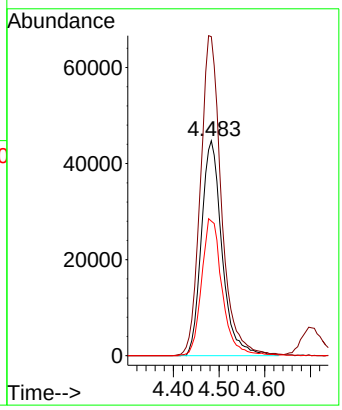


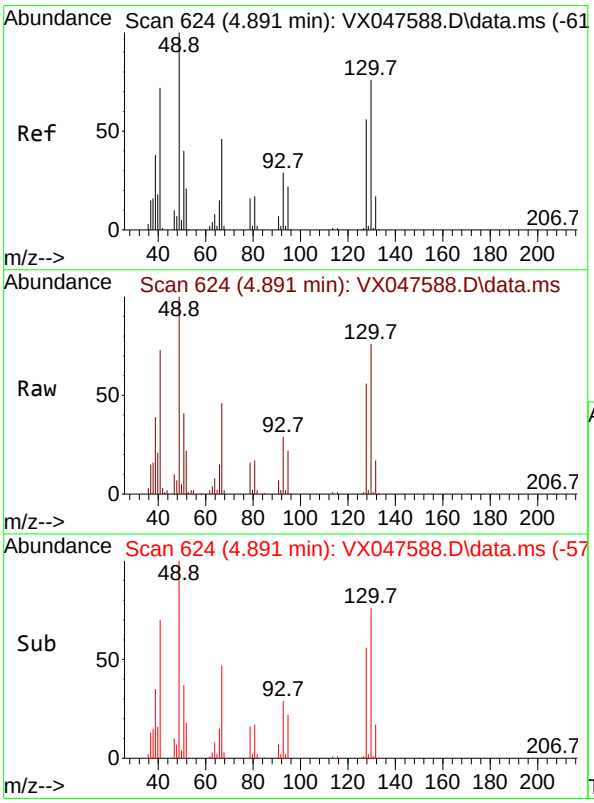

#27
cis-1,2-Dichloroethene
Concen: 51.576 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 96 Resp: 140105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.6 | 0.0 | 303.2 |
| 98 | 63.9 | 0.0 | 127.8 |

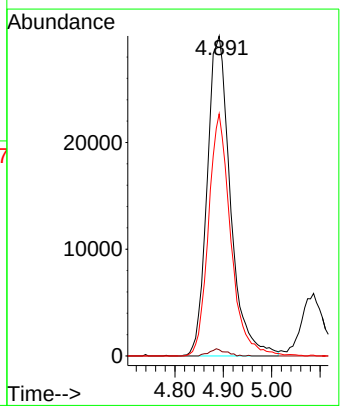


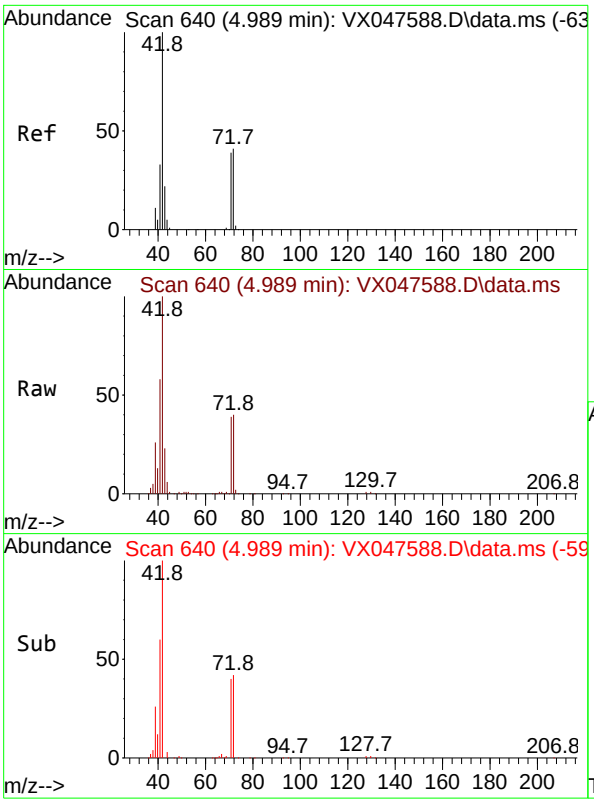




#28
Bromochloromethane
Concen: 52.301 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 49 Resp: 99991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 3.2 |
| 130 | 72.3 | 57.8 | 86.8 |



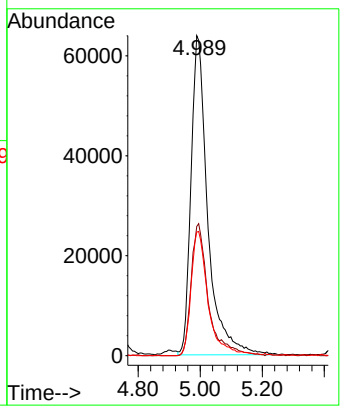


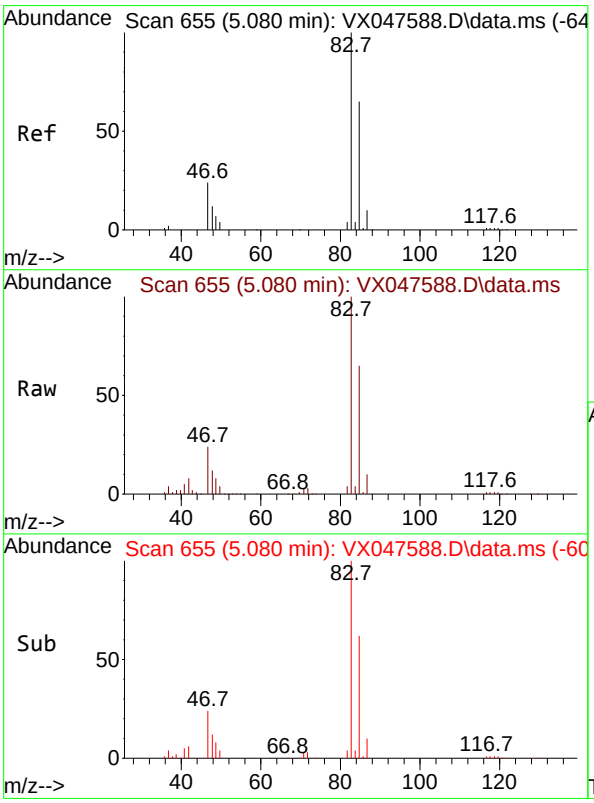

#29
Tetrahydrofuran
Concen: 265.026 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 42 Resp: 238677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |

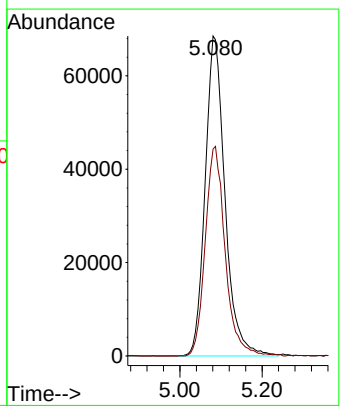


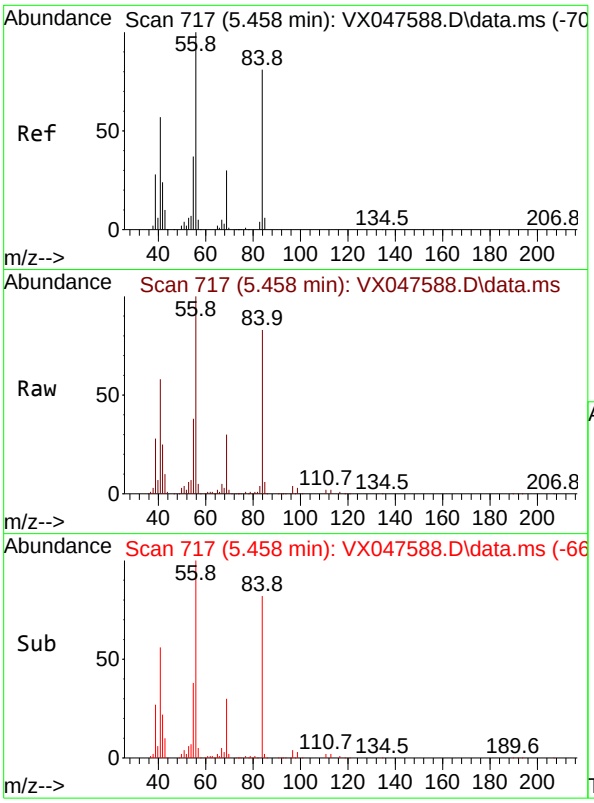




#30
Chloroform
Concen: 51.844 ug/l
RT: 5.080 min Scan# 655
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 83 Resp: 229430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.8 | 77.6 |



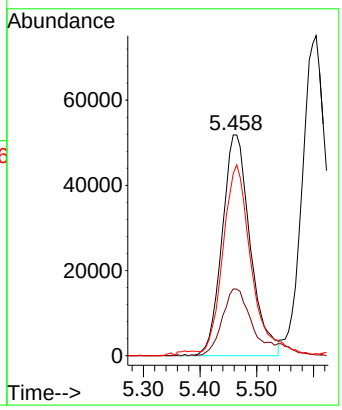


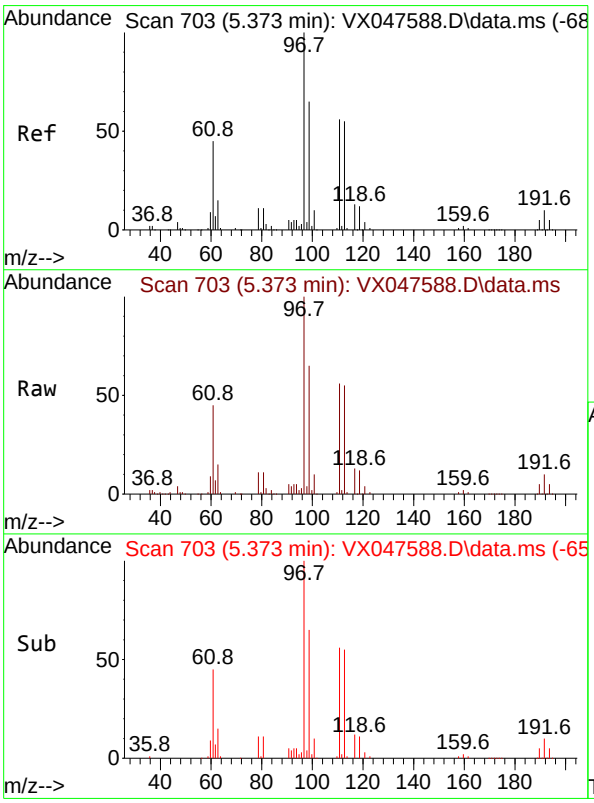

#31
Cyclohexane
Concen: 48.952 ug/l
RT: 5.458 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 56 Resp: 178546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.8 | 23.8 | 35.8 |
| 84 | 80.8 | 64.6 | 97.0 |

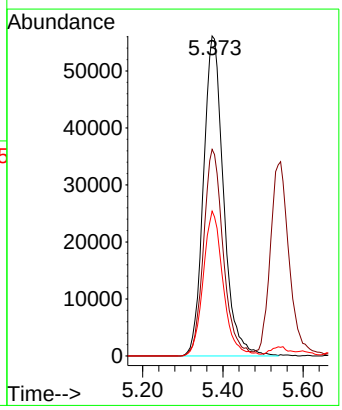


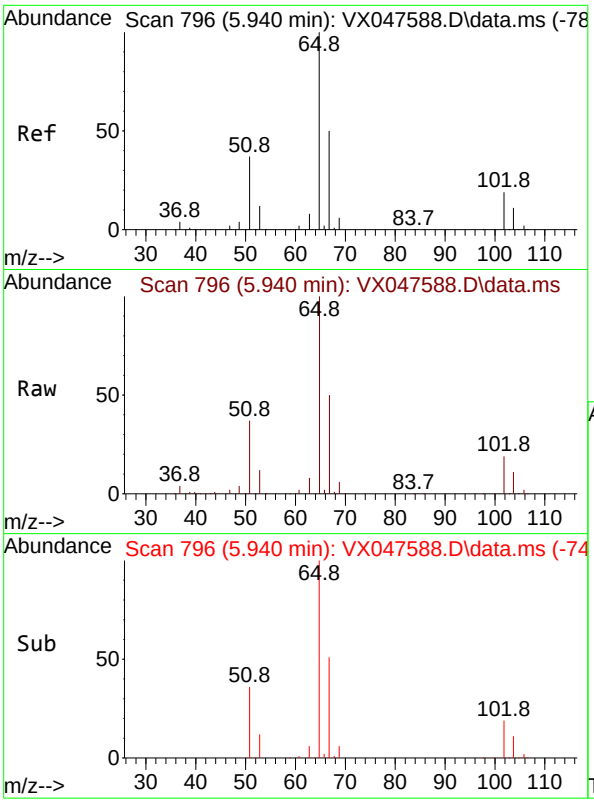




#32
1,1,1-Trichloroethane
Concen: 52.058 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 97 Resp: 195407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.3 | 50.6 | 76.0 |
| 61 | 44.8 | 35.8 | 53.8 |



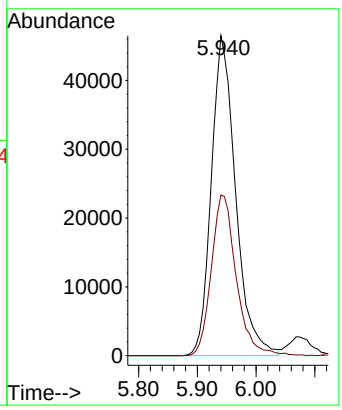


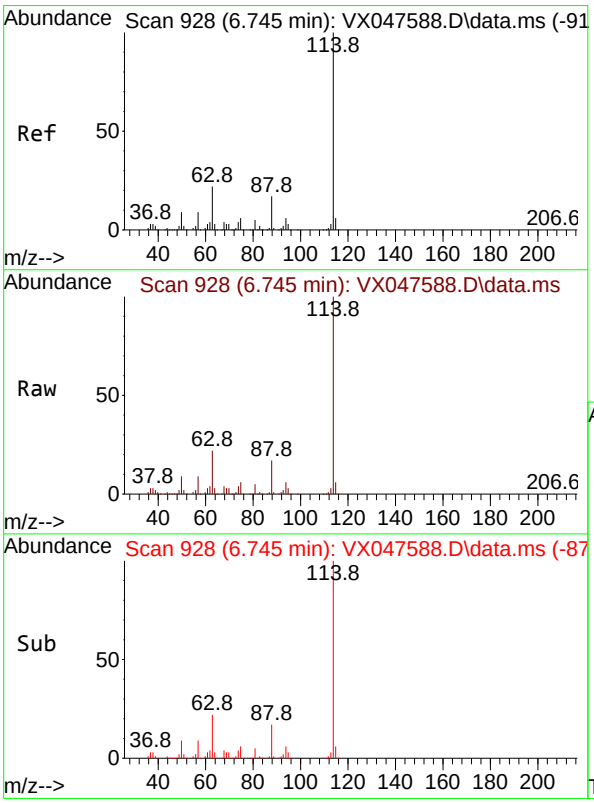

#33
1,2-Dichloroethane-d4
Concen: 48.404 ug/l
RT: 5.940 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 65 Resp: 133606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.5 | 0.0 | 103.0 |

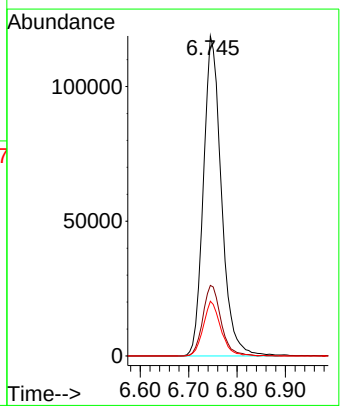


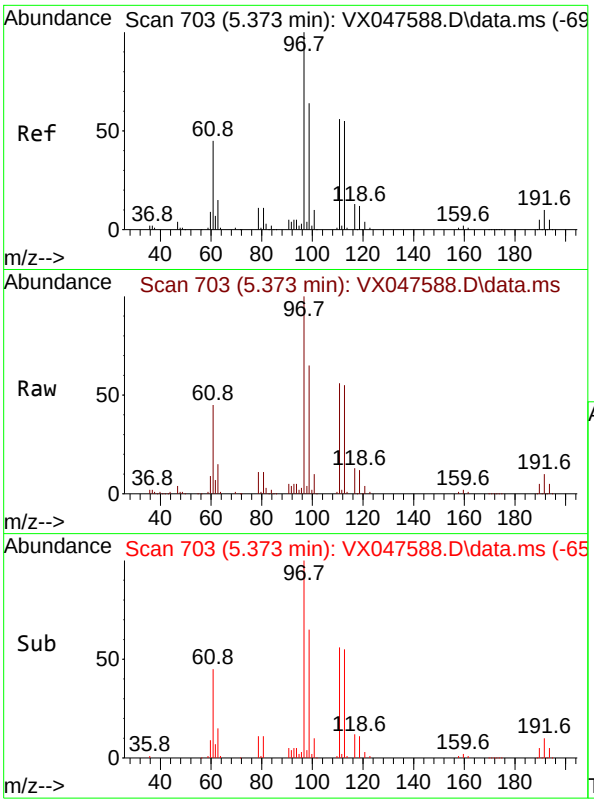




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:114 Resp: 307383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.0 |
| 88 | 17.1 | 0.0 | 34.2 |



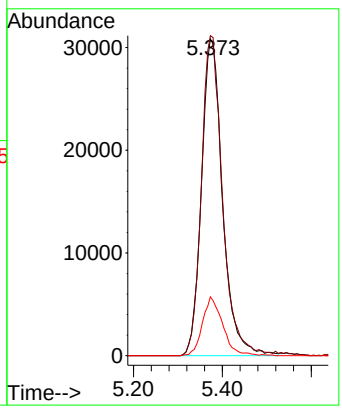


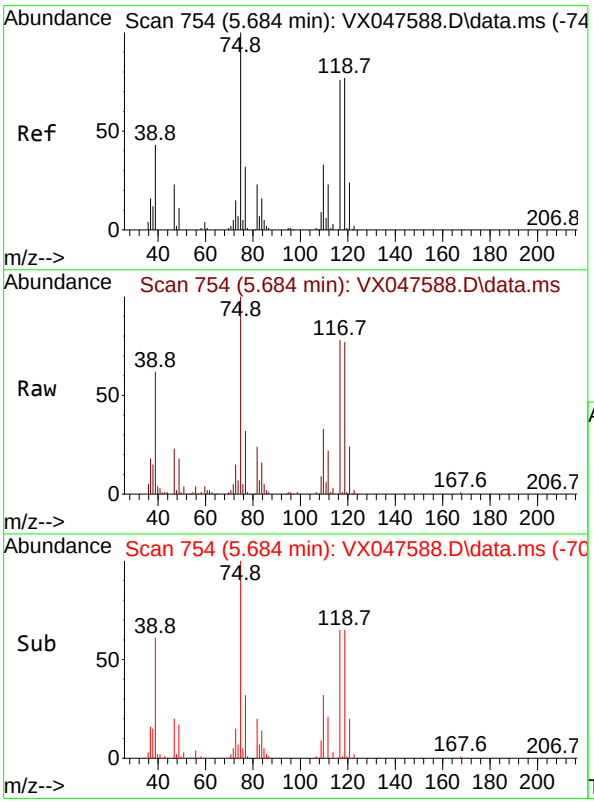

#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 5.373 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:113 Resp: 101627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.1 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |

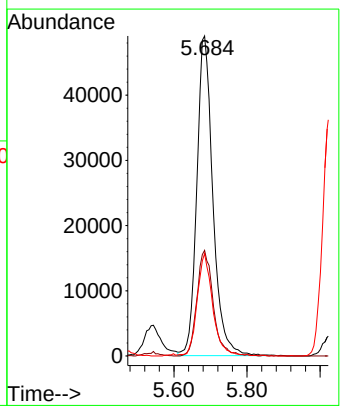


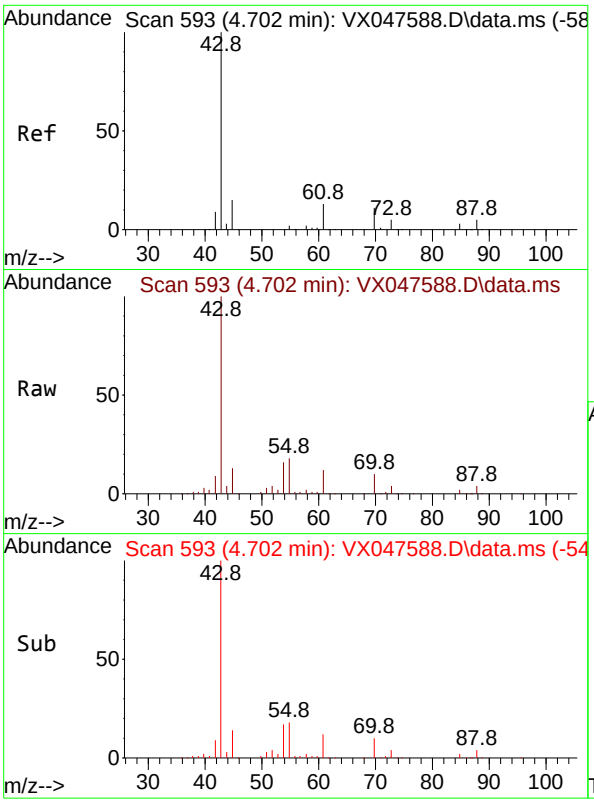




#36
1,1-Dichloropropene
Concen: 49.729 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 149800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.4 | 16.7 | 50.1 |
| 77 | 30.4 | 24.3 | 36.5 |



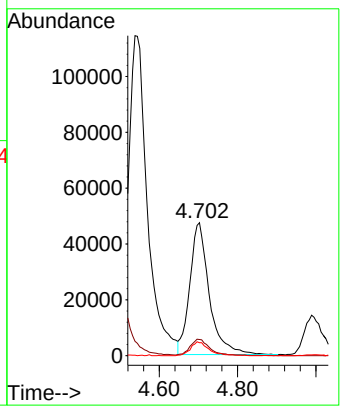


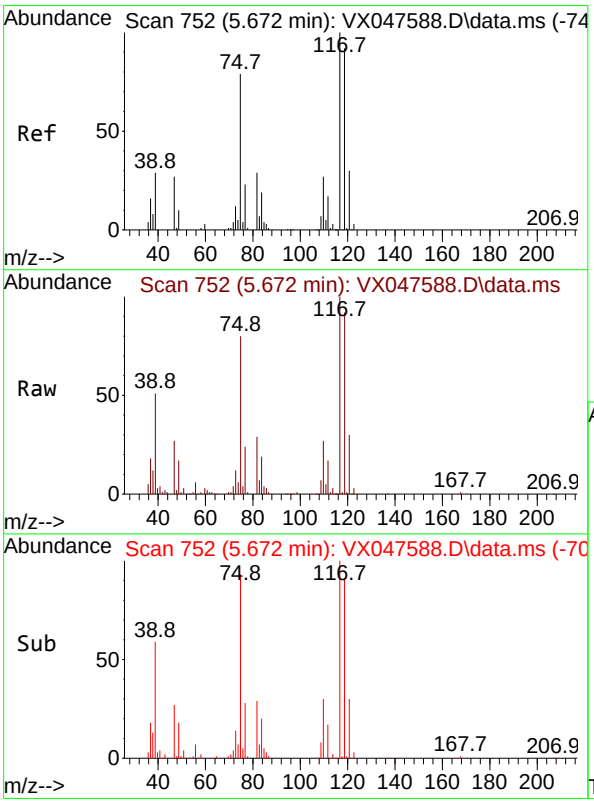

#37
Ethyl Acetate
Concen: 50.687 ug/l
RT: 4.702 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 163482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 9.9 | 7.9 | 11.9 |

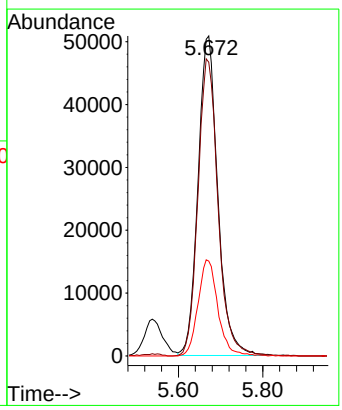


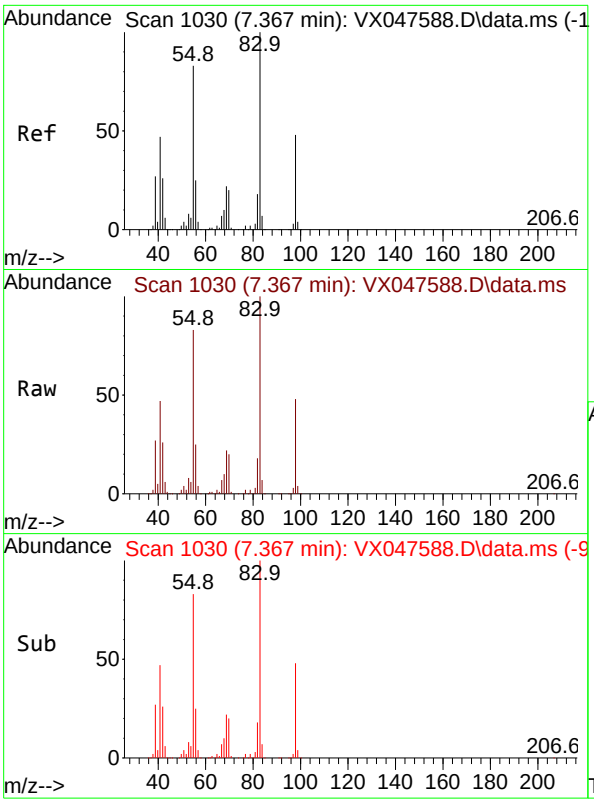




#38
Carbon Tetrachloride
Concen: 50.637 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 165730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.8 | 73.4 | 110.2 |
| 121 | 29.7 | 23.8 | 35.6 |



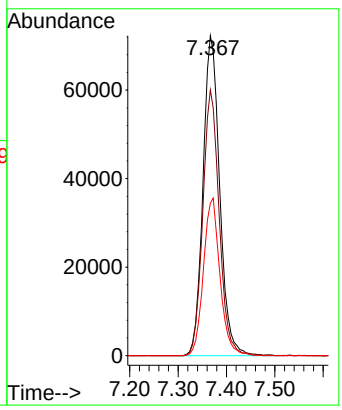


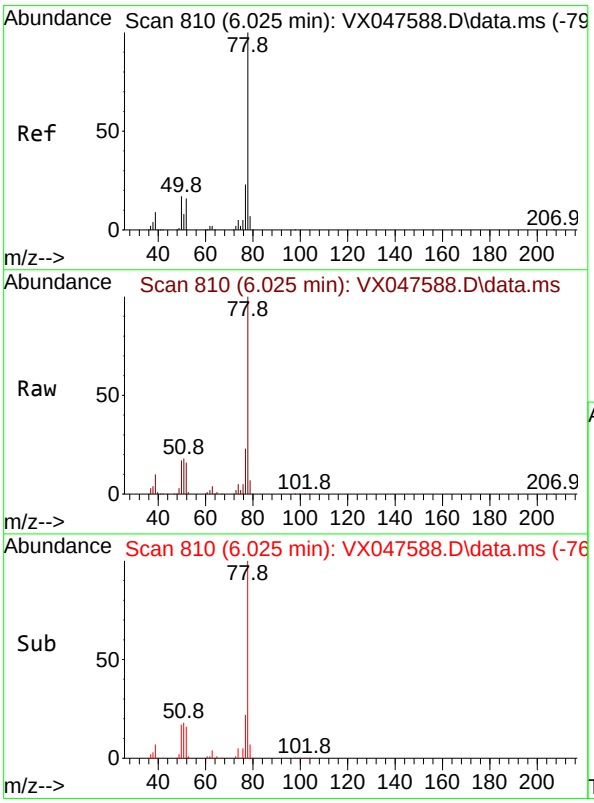

#39
Methylcyclohexane
Concen: 50.773 ug/l
RT: 7.367 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 173610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.0 | 66.4 | 99.6 |
| 98 | 47.6 | 38.1 | 57.1 |

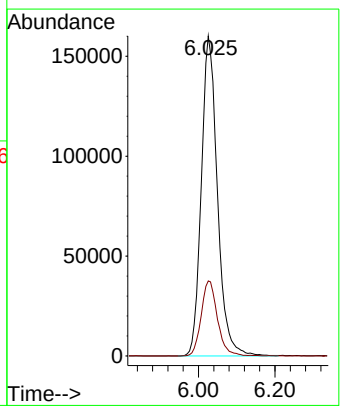


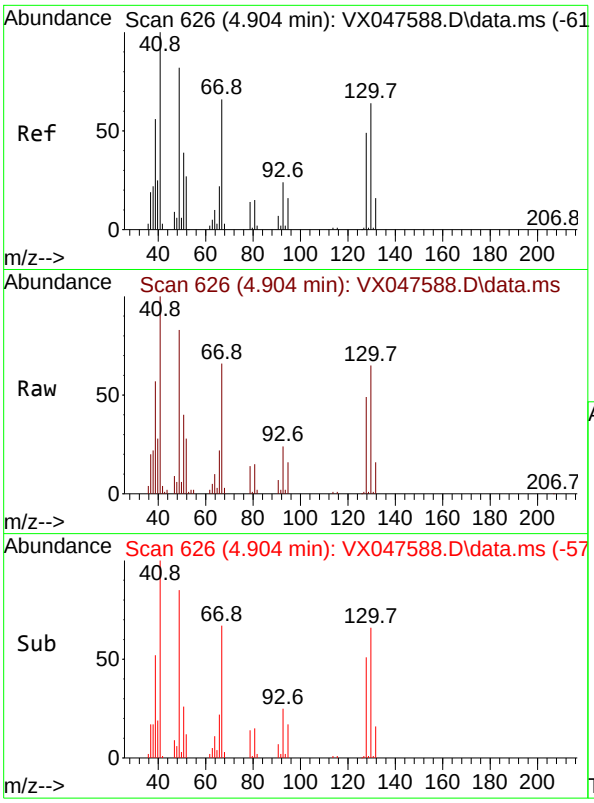




#40
Benzene
Concen: 51.167 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 78 Resp: 468136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



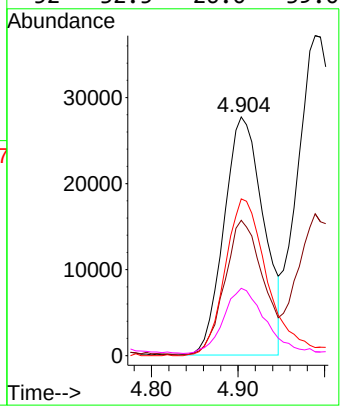


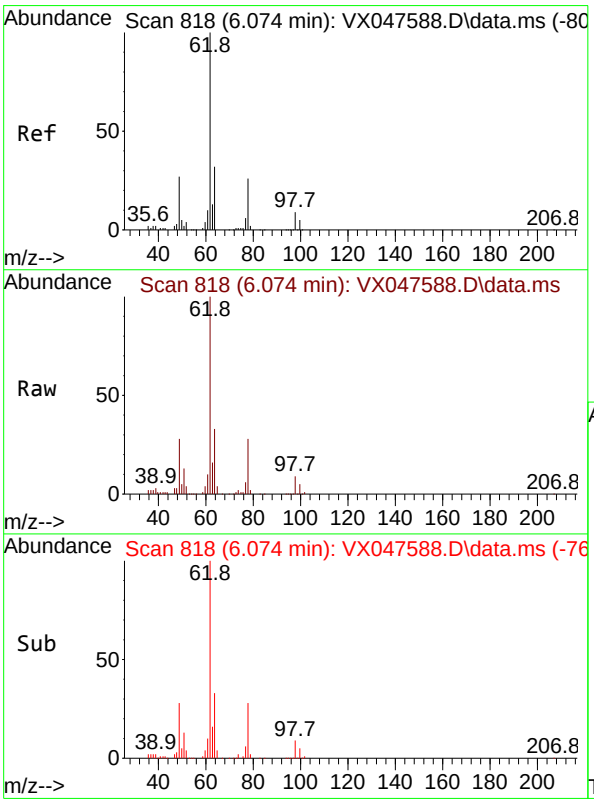

#41
Methacrylonitrile
Concen: 52.707 ug/l
RT: 4.904 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 41 Resp: 87761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.1 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 32.5 | 26.0 | 39.0 |

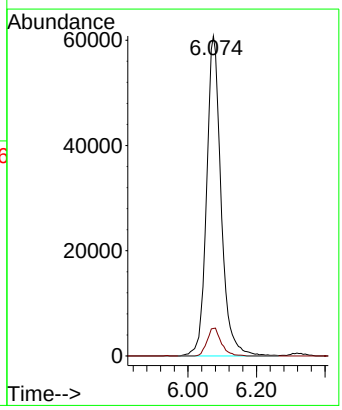


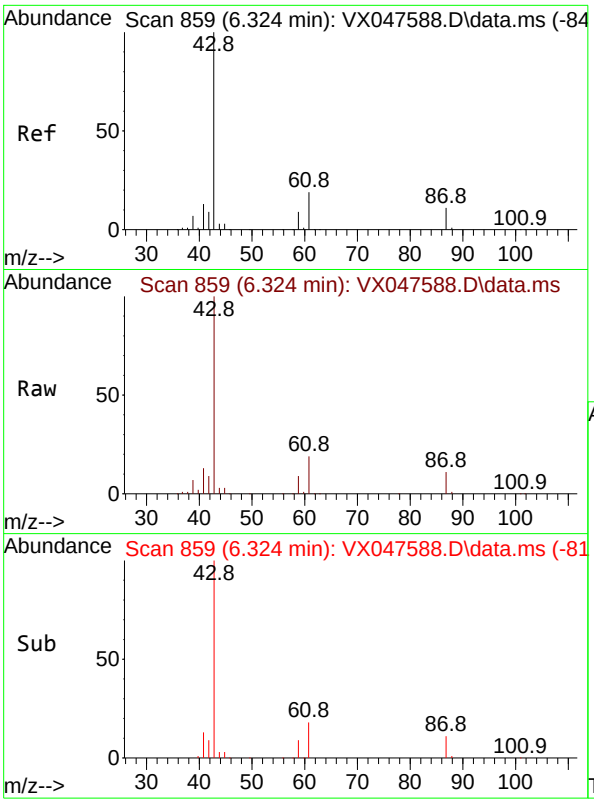




#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 62 Resp: 179037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.5 | 0.0 | 17.0 |



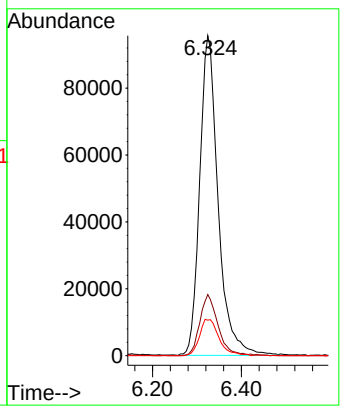


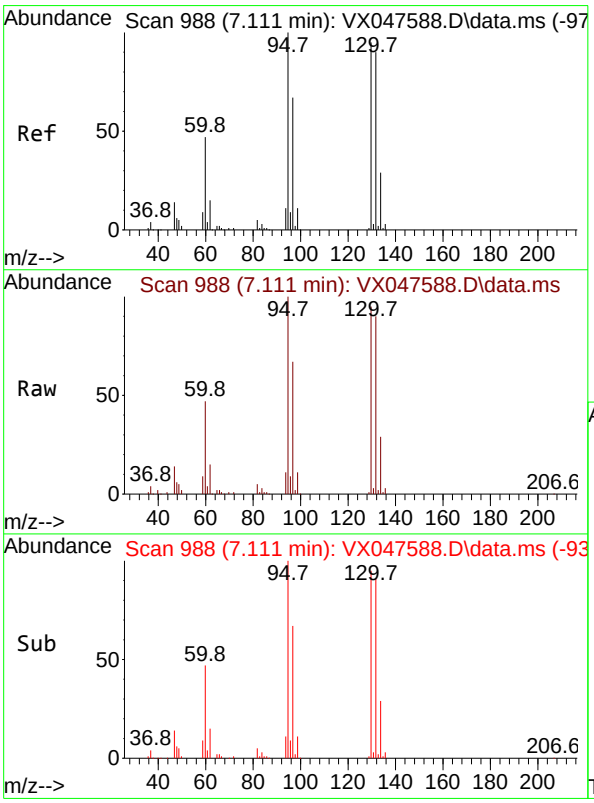

#43
Isopropyl Acetate
Concen: 52.096 ug/l
RT: 6.324 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 275572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 15.2 | 22.8 |
| 87 | 12.0 | 9.6 | 14.4 |

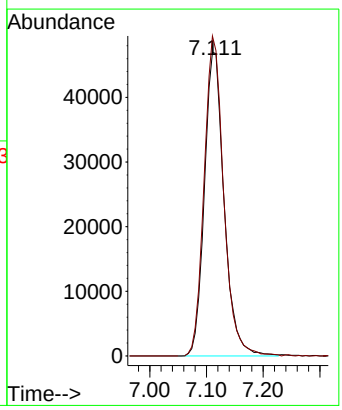


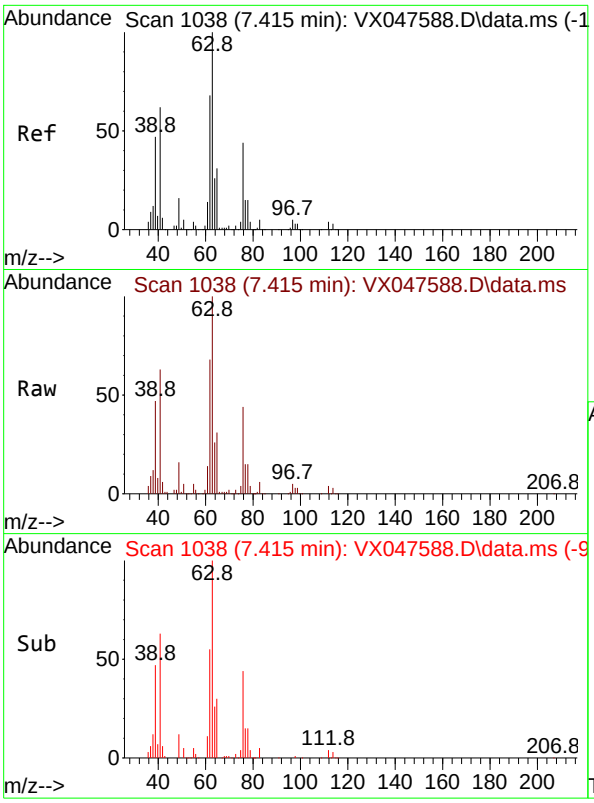




#44
Trichloroethene
Concen: 51.463 ug/l
RT: 7.111 min Scan# 988
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:130 Resp: 113832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 105.4 | 0.0 | 210.8 |



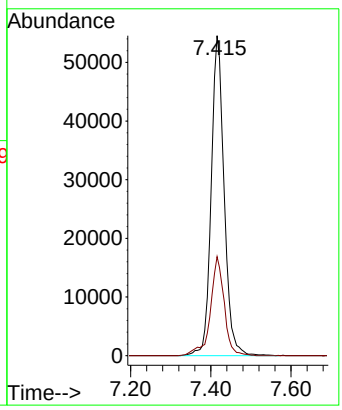


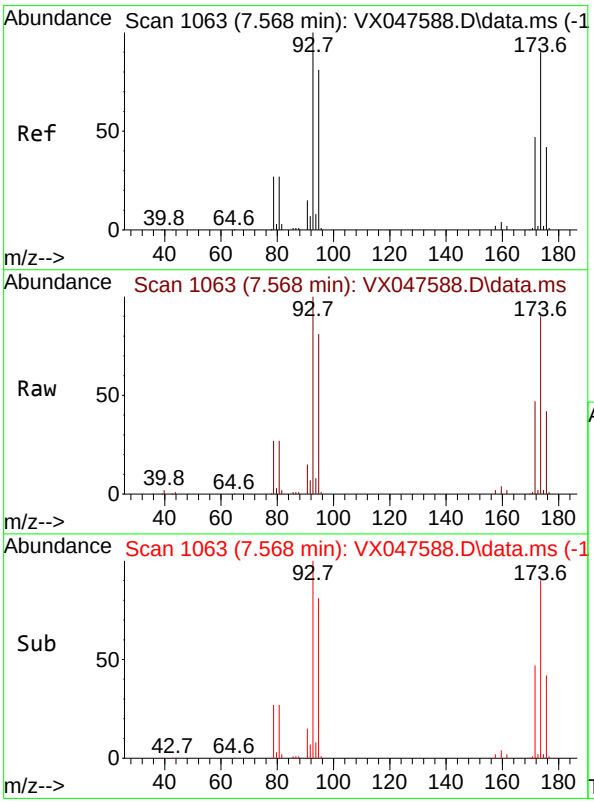

#45
1,2-Dichloropropane
Concen: 52.122 ug/l
RT: 7.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 63 Resp: 122109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.9 | 24.7 | 37.1 |

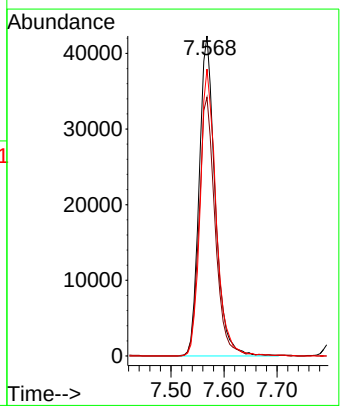


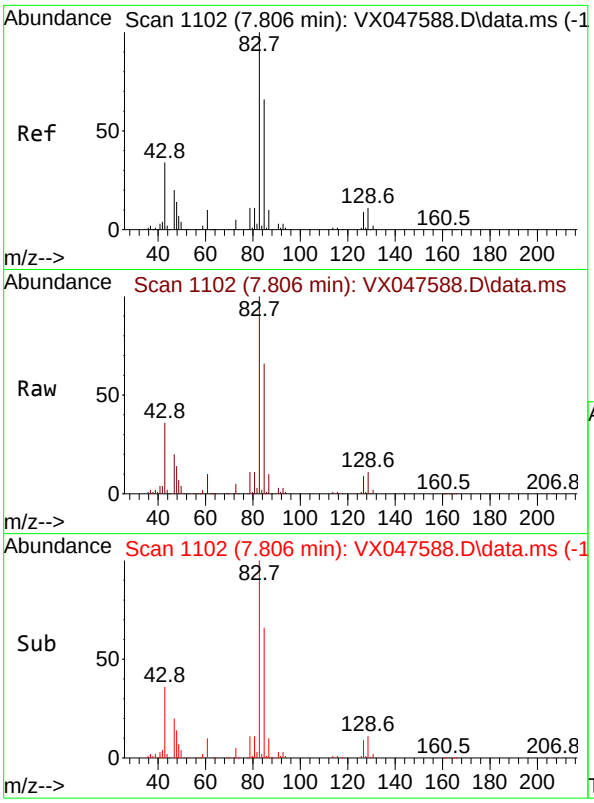




#46
Dibromomethane
Concen: 51.914 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 93 Resp: 88505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.3 | 65.0 | 97.6 |
| 174 | 89.5 | 71.6 | 107.4 |



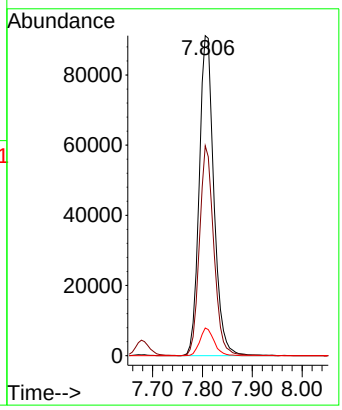


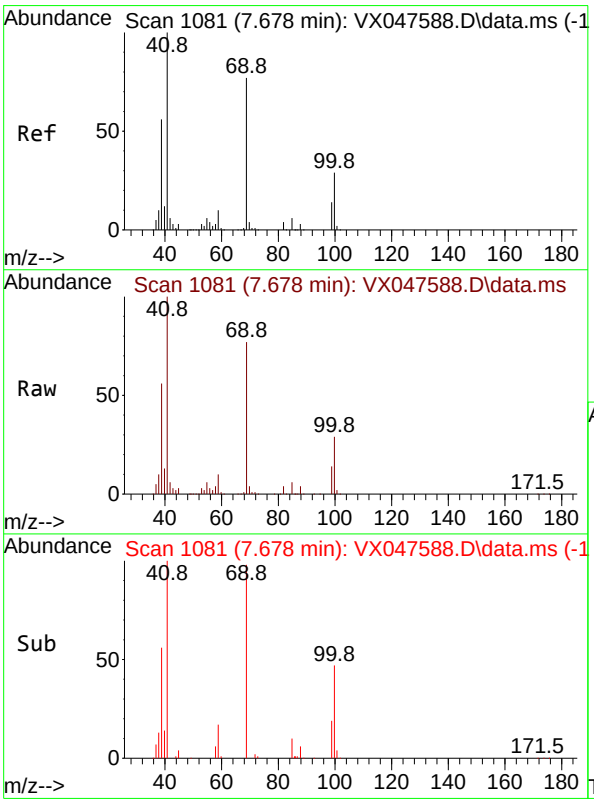

#47
Bromodichloromethane
Concen: 53.025 ug/l
RT: 7.806 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 186540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 52.5 | 78.7 |
| 127 | 8.6 | 6.9 | 10.3 |

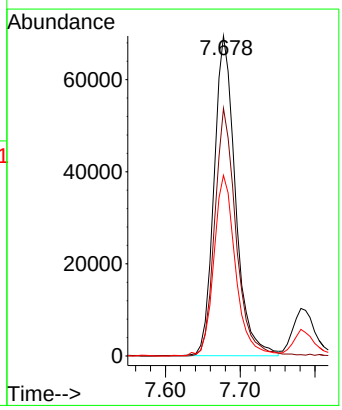


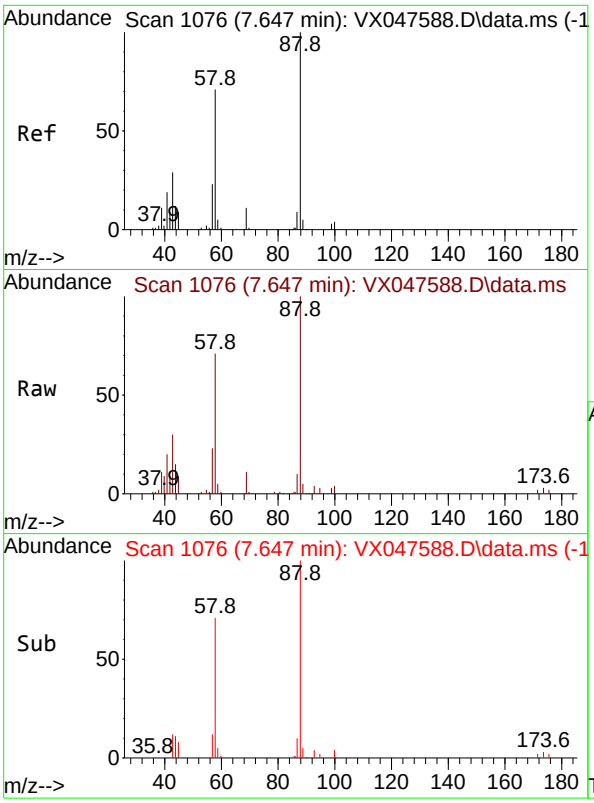




#48
Methyl methacrylate
Concen: 52.438 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 41 Resp: 138167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 76.8 | 61.4 | 92.2 |
| 39 | 57.2 | 45.8 | 68.6 |



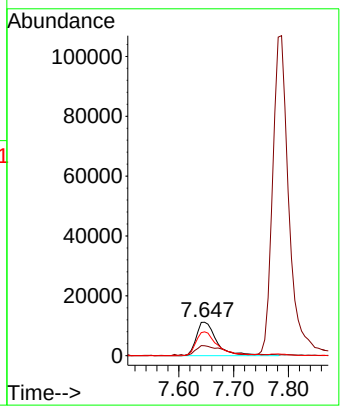


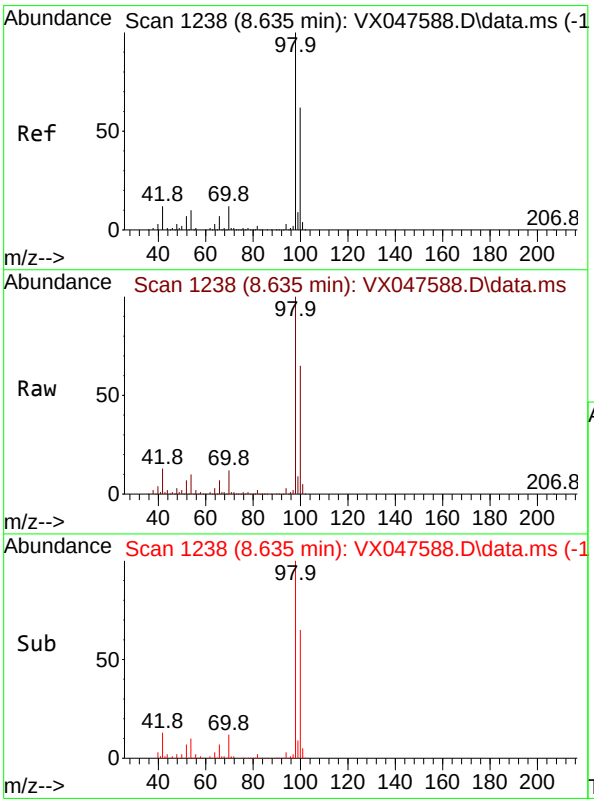

#49
1,4-Dioxane
Concen: 1107.698 ug/l
RT: 7.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 88 Resp: 29496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.7 | 30.2 | 45.2 |
| 58 | 74.4 | 59.5 | 89.3 |

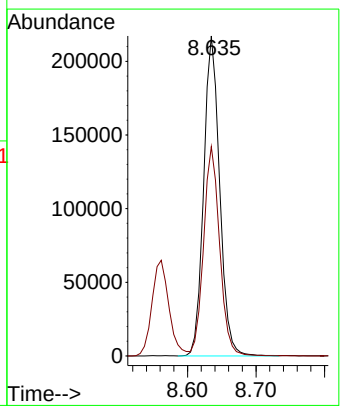


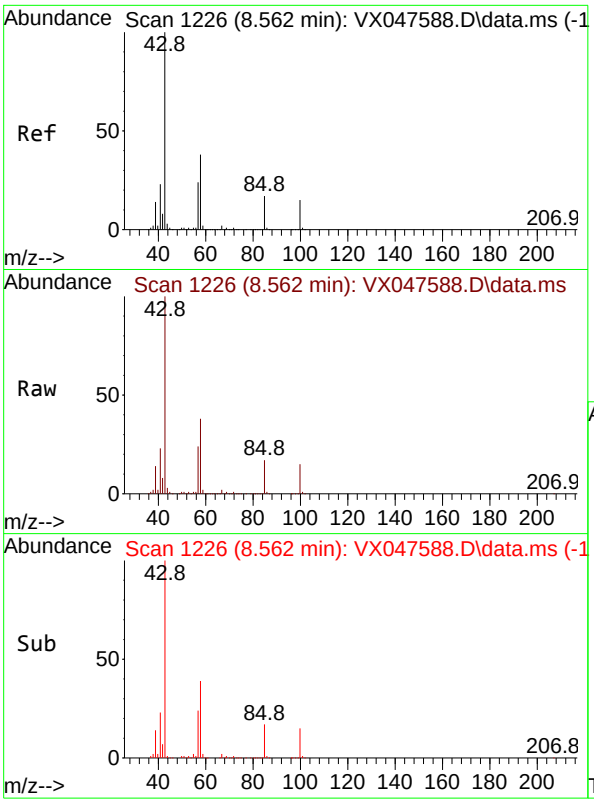




#50
Toluene-d8
Concen: 49.428 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 98 Resp: 352578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.2 | 53.0 | 79.4 |



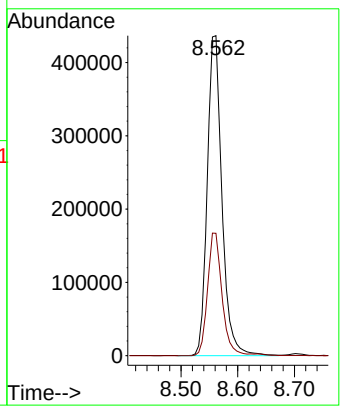


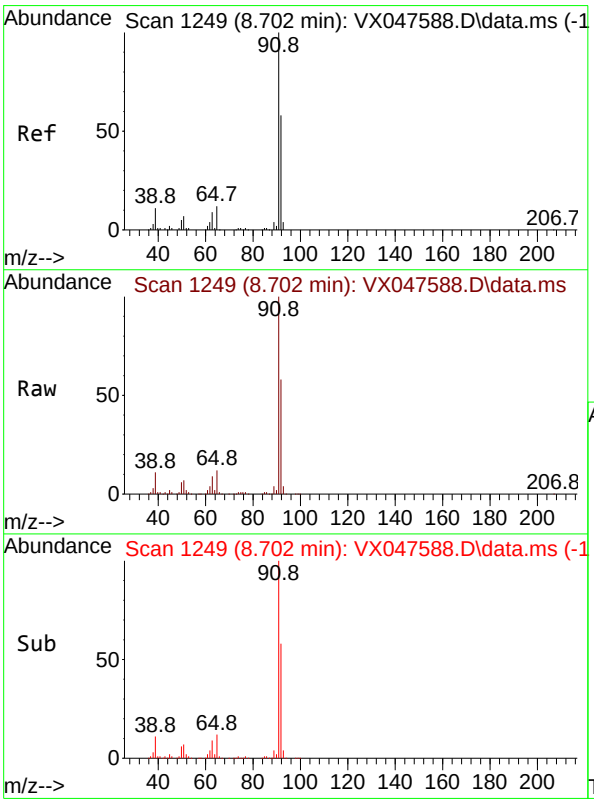

#51
4-Methyl-2-Pentanone
Concen: 267.650 ug/l
RT: 8.562 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 784978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |

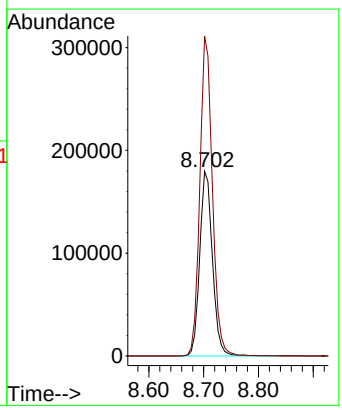


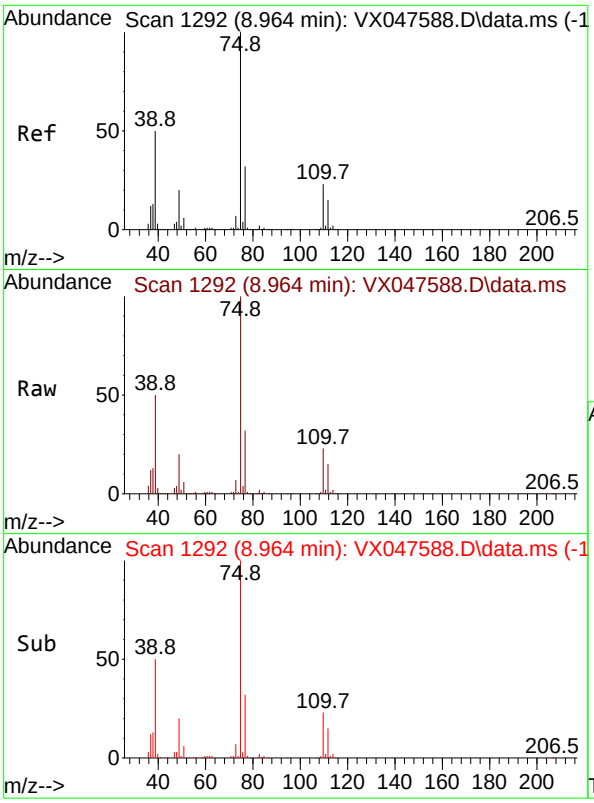




#52
Toluene
Concen: 51.244 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 92 Resp: 288853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.4 | 137.1 | 205.7 |



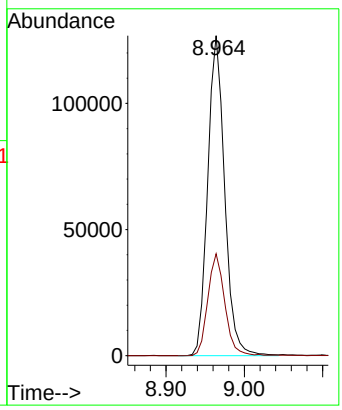


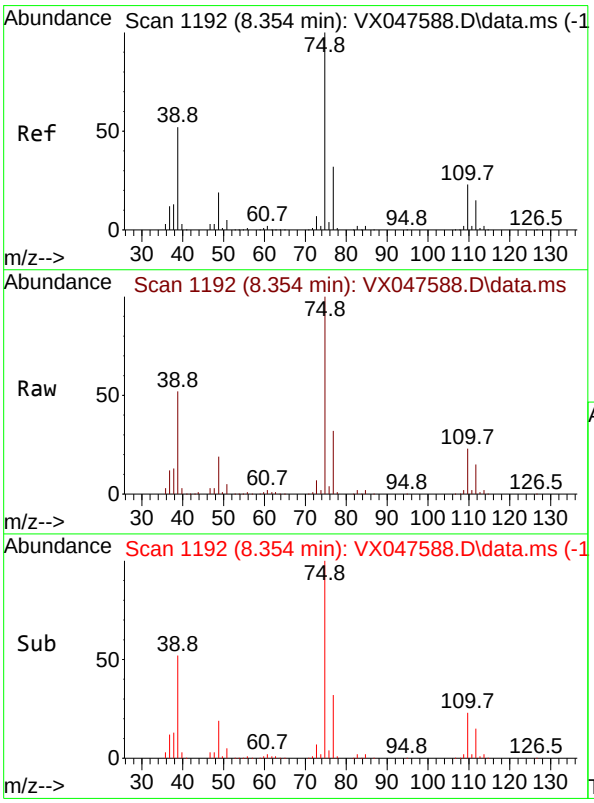

#53
t-1,3-Dichloropropene
Concen: 53.027 ug/l
RT: 8.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 190282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.8 | 25.4 | 38.2 |

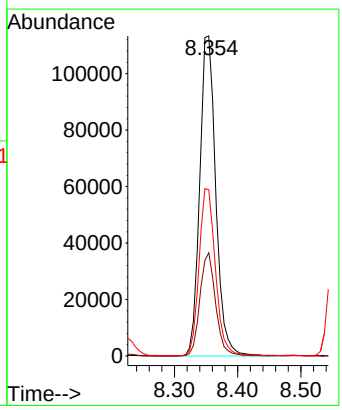


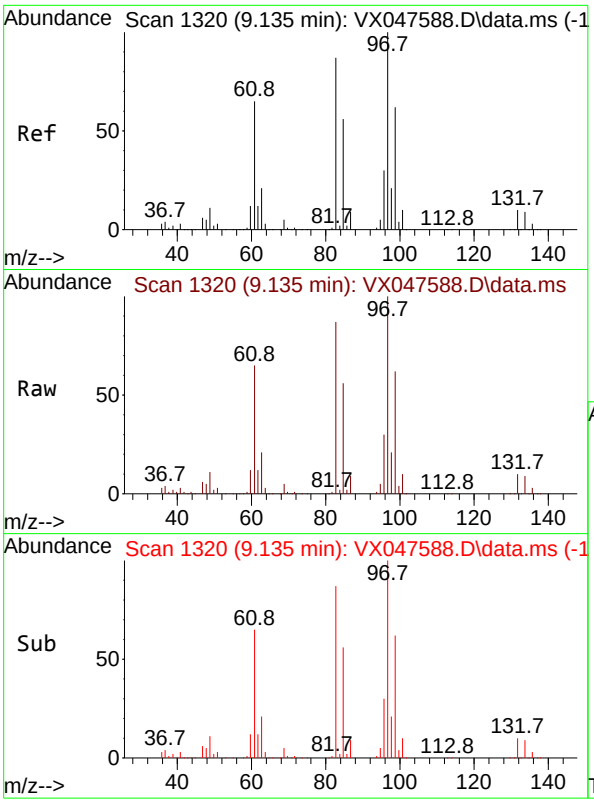




#54
cis-1,3-Dichloropropene
Concen: 52.369 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 200859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.2 | 25.8 | 38.6 |
| 39 | 51.8 | 41.4 | 62.2 |



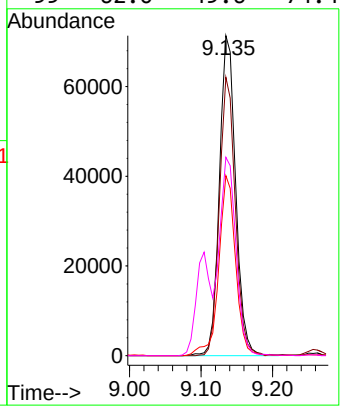


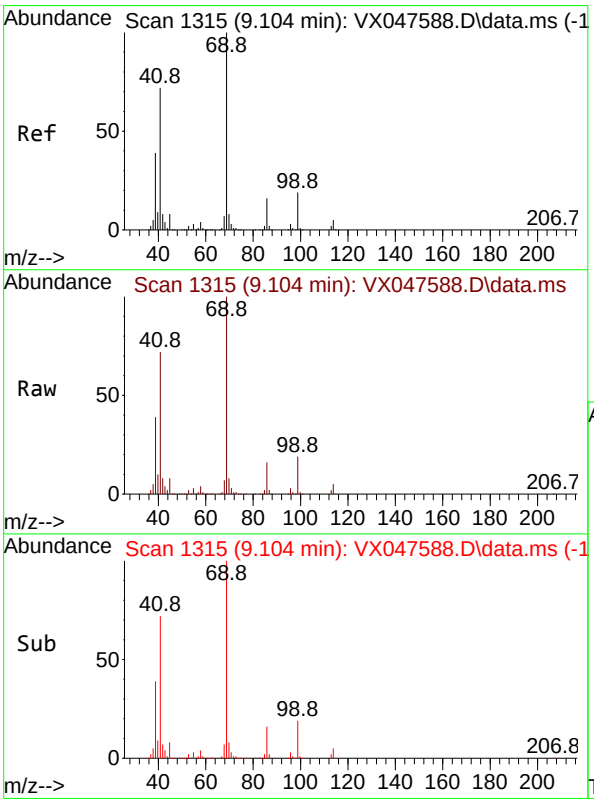

#55
1,1,2-Trichloroethane
Concen: 51.915 ug/l
RT: 9.135 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 97 Resp: 112837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.0 | 69.6 | 104.4 |
| 85 | 56.3 | 45.0 | 67.6 |
| 99 | 62.0 | 49.6 | 74.4 |

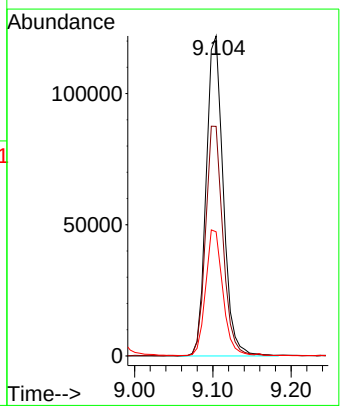


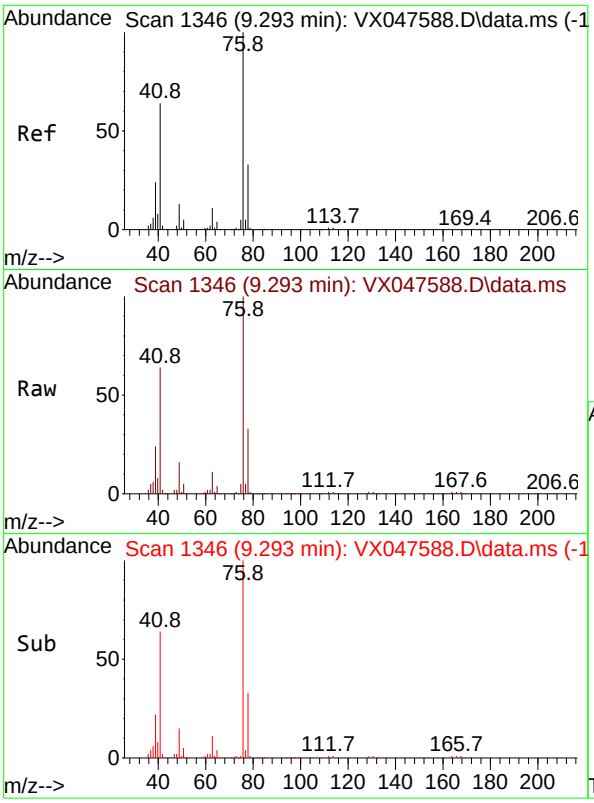




#56
Ethyl methacrylate
Concen: 53.930 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 69 Resp: 184087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 73.2 | 58.6 | 87.8 |
| 39 | 39.4 | 31.5 | 47.3 |



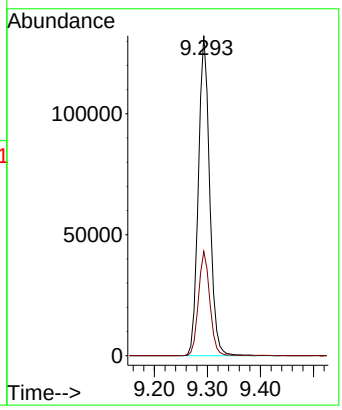


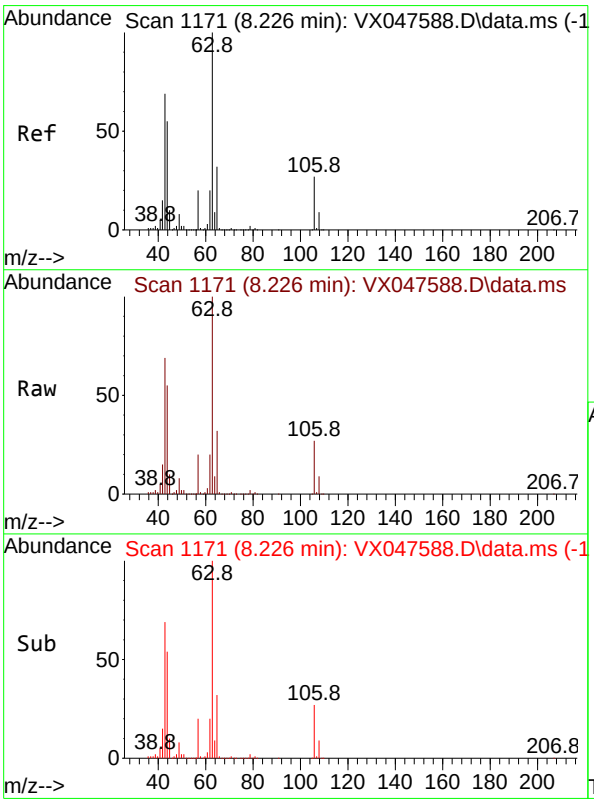

#57
1,3-Dichloropropane
Concen: 52.492 ug/l
RT: 9.293 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 76 Resp: 195989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.8 | 26.2 | 39.4 |

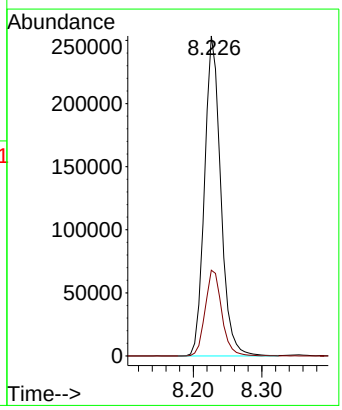


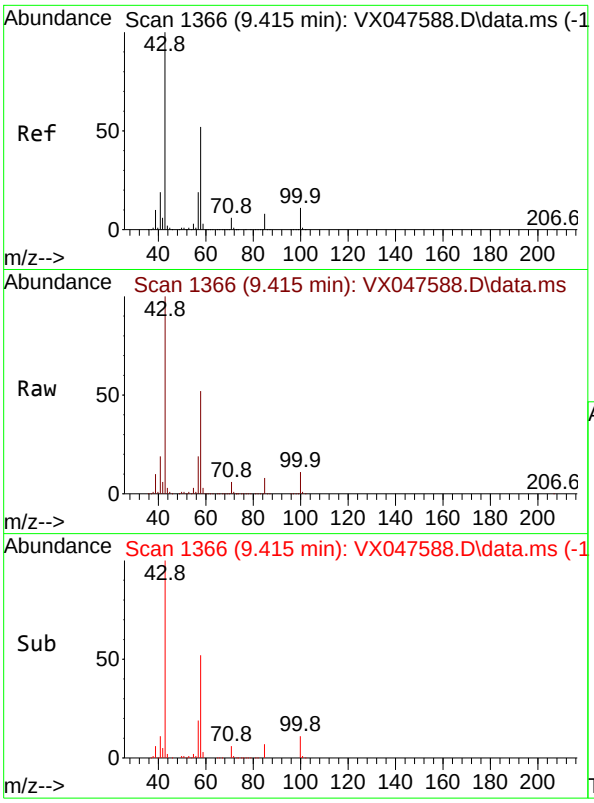




#58
2-Chloroethyl Vinyl ether
Concen: 256.309 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 63 Resp: 418707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.4 | 21.9 | 32.9 |



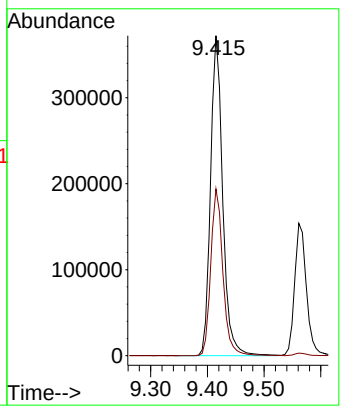


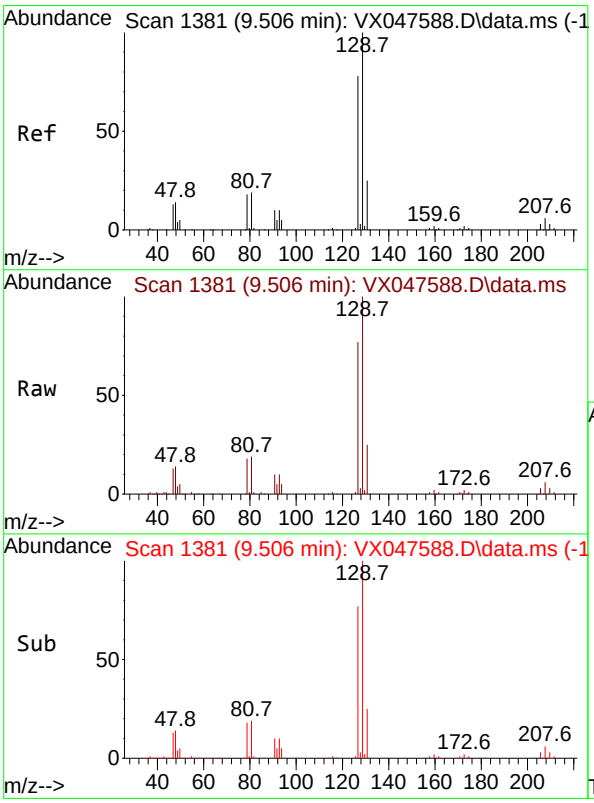

#59
2-Hexanone
Concen: 262.683 ug/l
RT: 9.415 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 43 Resp: 553313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.1 | 26.1 | 78.2 |

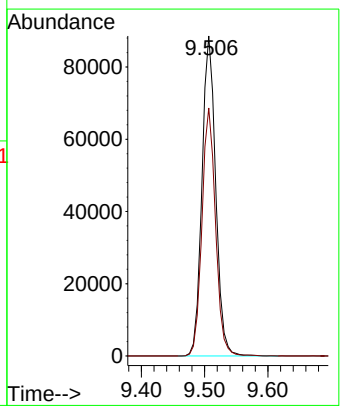


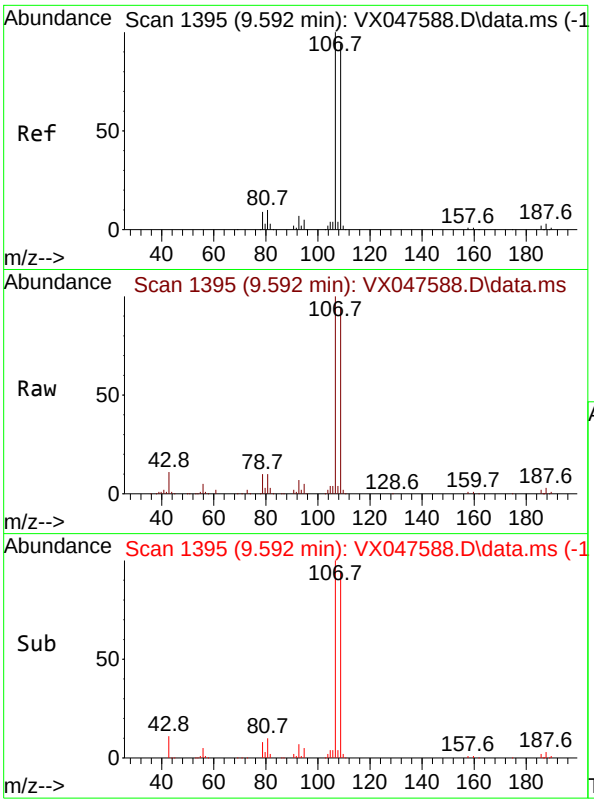




#60
Dibromochloromethane
Concen: 53.401 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:129 Resp: 133737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.8 | 38.4 | 115.2 |



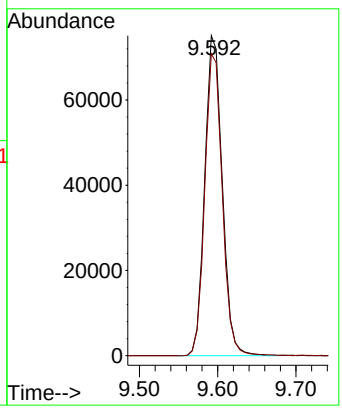


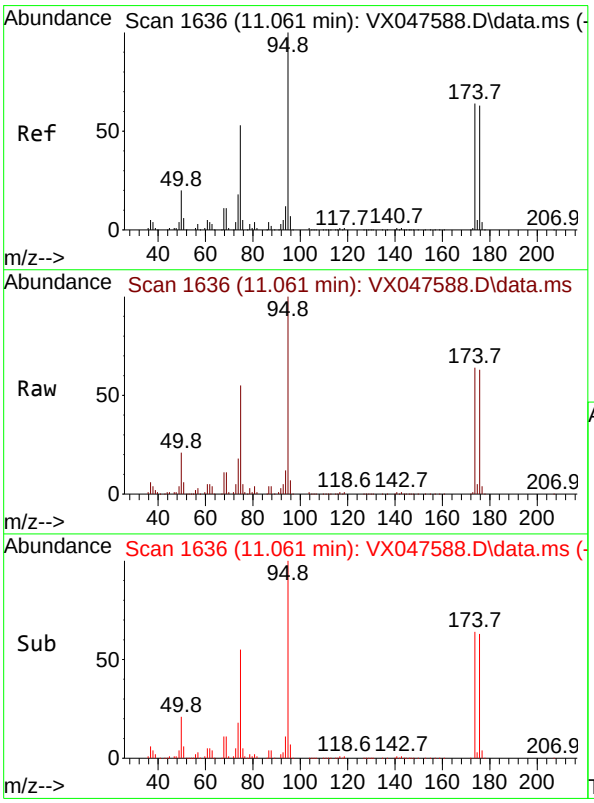

#61
1,2-Dibromoethane
Concen: 52.607 ug/l
RT: 9.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:107 Resp: 116462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 75.3 | 112.9 |

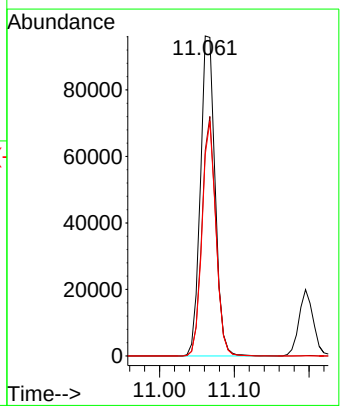


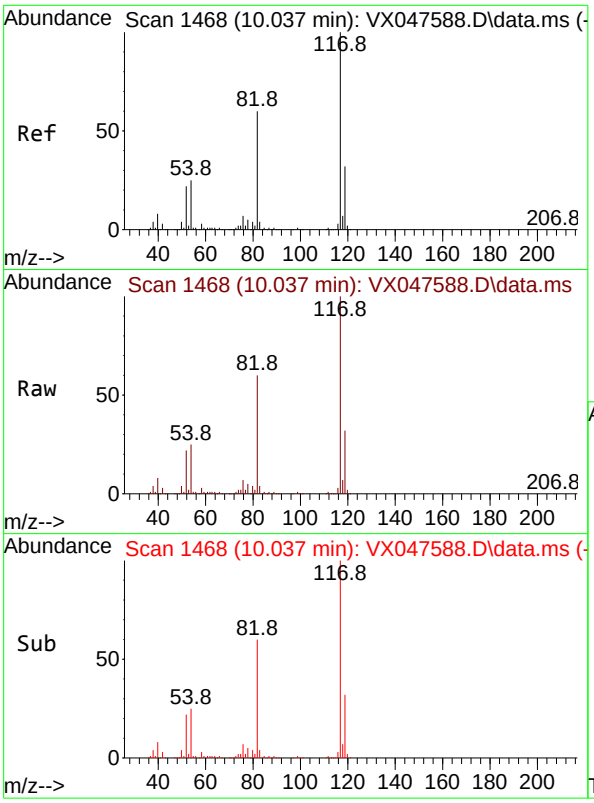




#62
4-Bromofluorobenzene
Concen: 48.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 95 Resp: 131217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.8 | 0.0 | 141.6 |
| 176 | 69.2 | 0.0 | 138.4 |



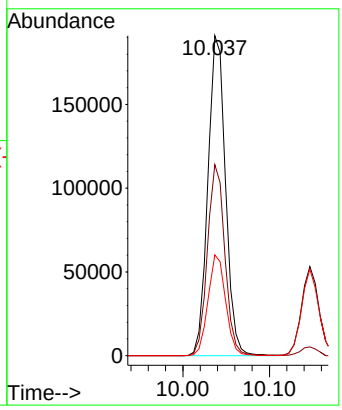


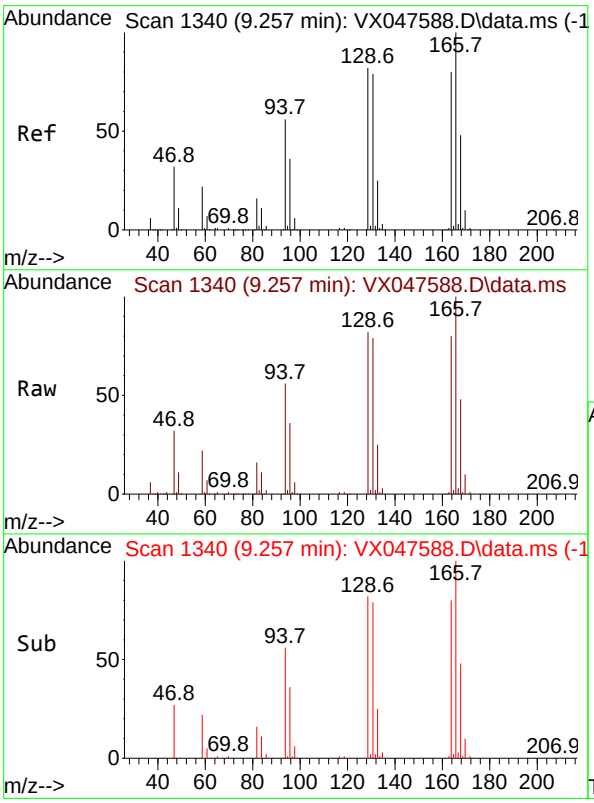

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:117 Resp: 270040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.7 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |

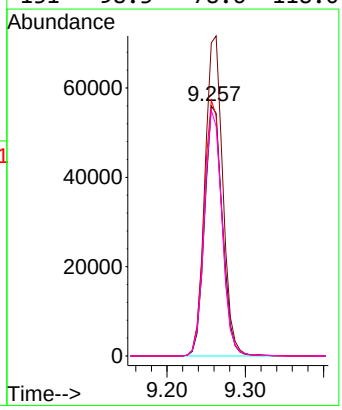


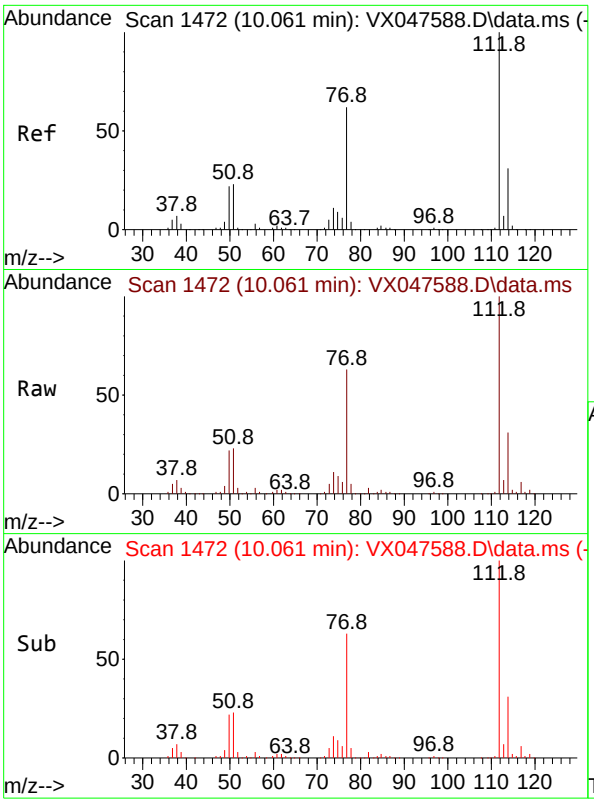




#64
Tetrachloroethene
Concen: 50.074 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:164 Resp: 88149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 125.2 | 100.2 | 150.2 |
| 129 | 102.2 | 81.8 | 122.6 |
| 131 | 98.3 | 78.6 | 118.0 |



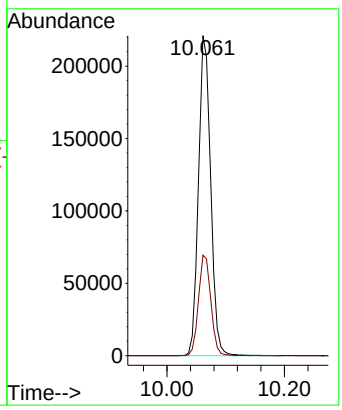


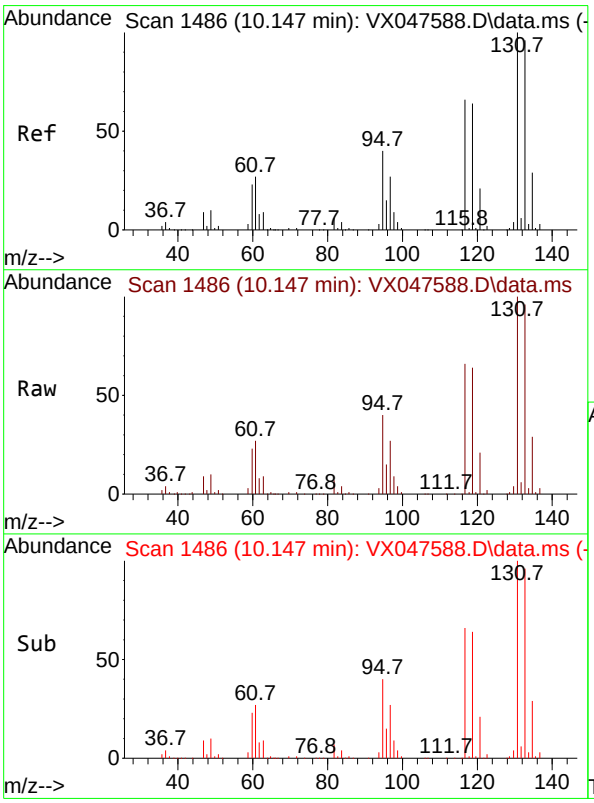

#65
Chlorobenzene
Concen: 51.833 ug/l
RT: 10.061 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:112 Resp: 317982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |

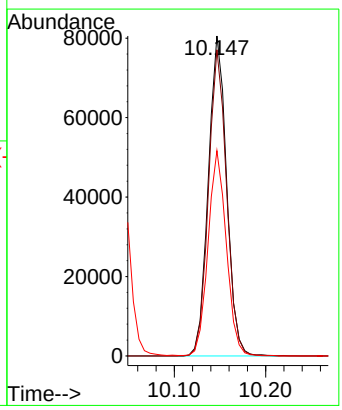


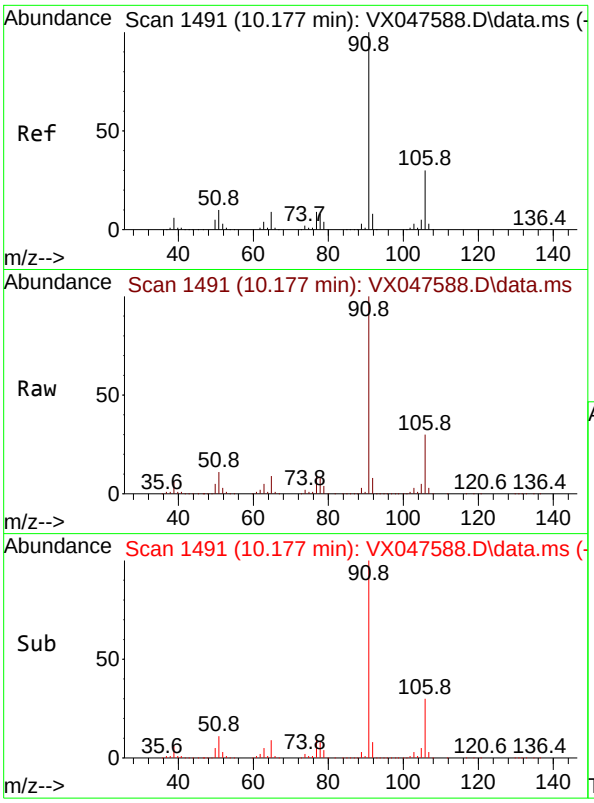




#66
1,1,1,2-Tetrachloroethane
Concen: 52.835 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:131 Resp: 111849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.7 | 47.3 | 142.0 |
| 119 | 64.0 | 32.0 | 96.0 |



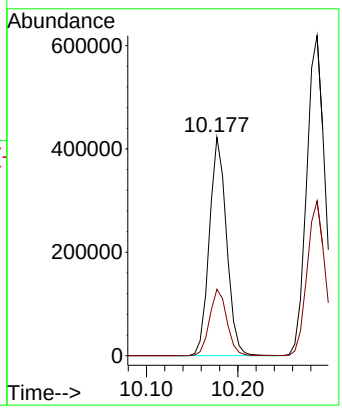


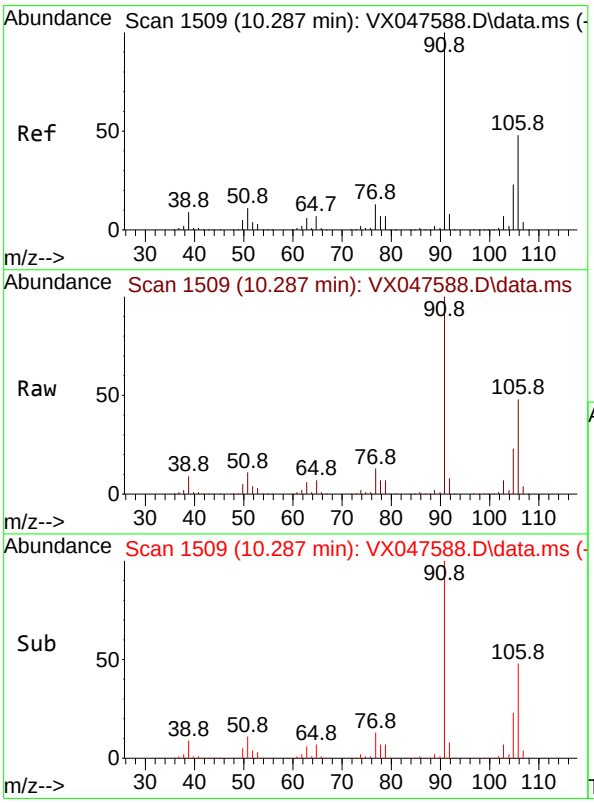

#67
Ethyl Benzene
Concen: 52.017 ug/l
RT: 10.177 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 550610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.4 | 24.3 | 36.5 |

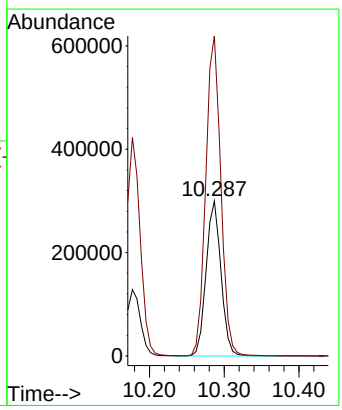


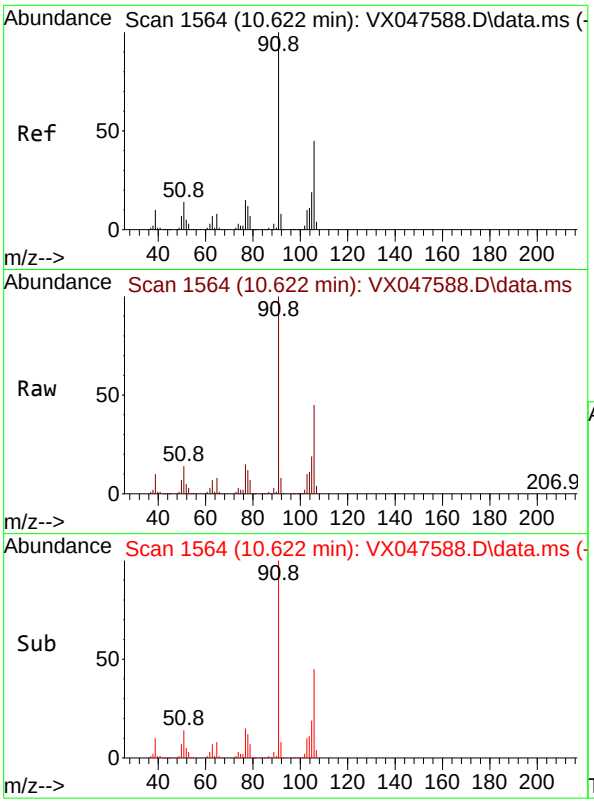




#68
m/p-Xylenes
Concen: 104.809 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:106 Resp: 412932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.8 | 167.8 | 251.8 |



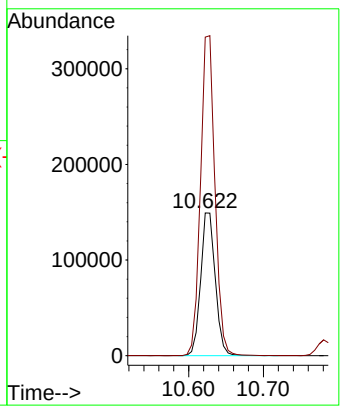


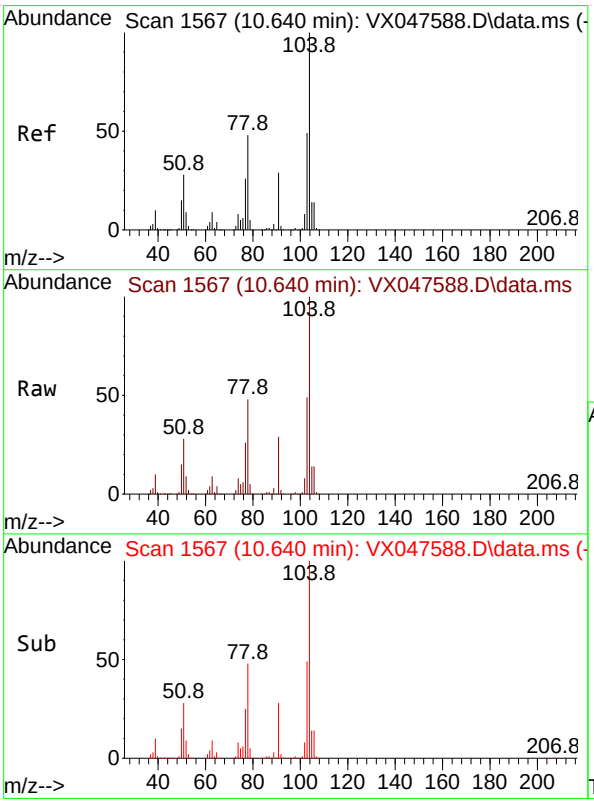

#69
o-Xylene
Concen: 53.084 ug/l
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:106 Resp: 202291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 222.3 | 111.1 | 333.4 |

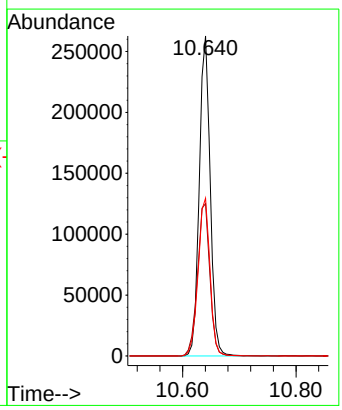


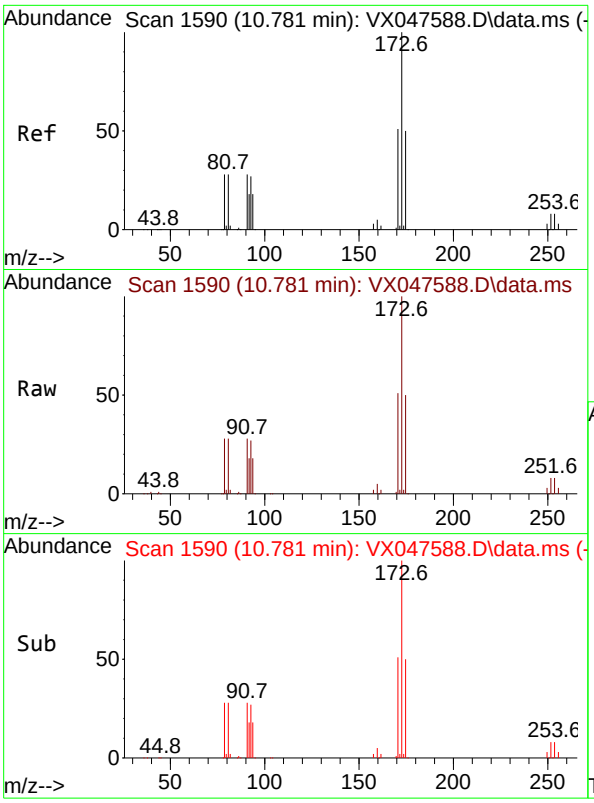




#70
Styrene
Concen: 52.515 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:104 Resp: 350654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.9 | 43.1 | 64.7 |
| 103 | 53.9 | 43.1 | 64.7 |



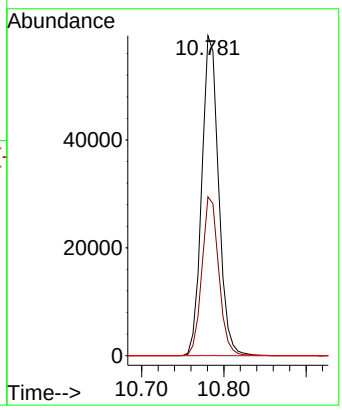


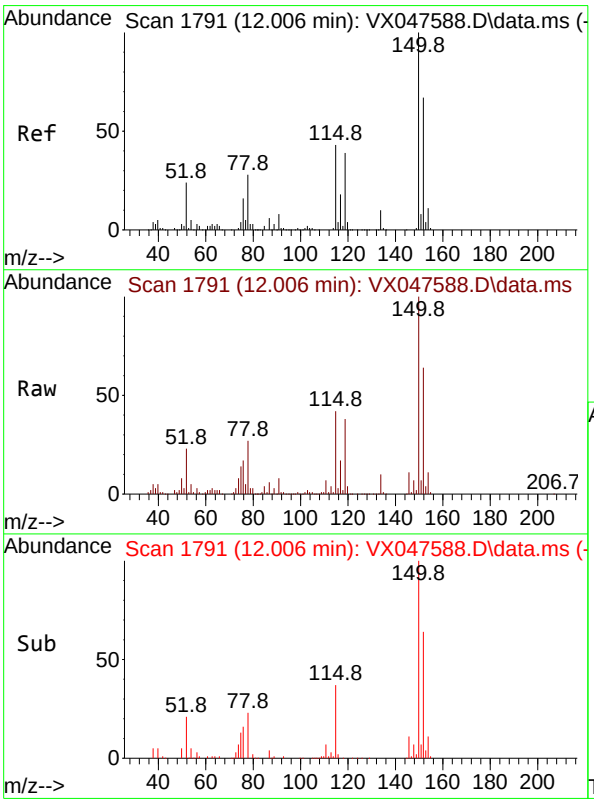

#71
Bromoform
Concen: 53.447 ug/l
RT: 10.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:173 Resp: 84485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.7 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1# |

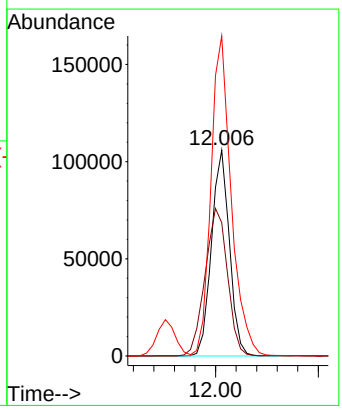


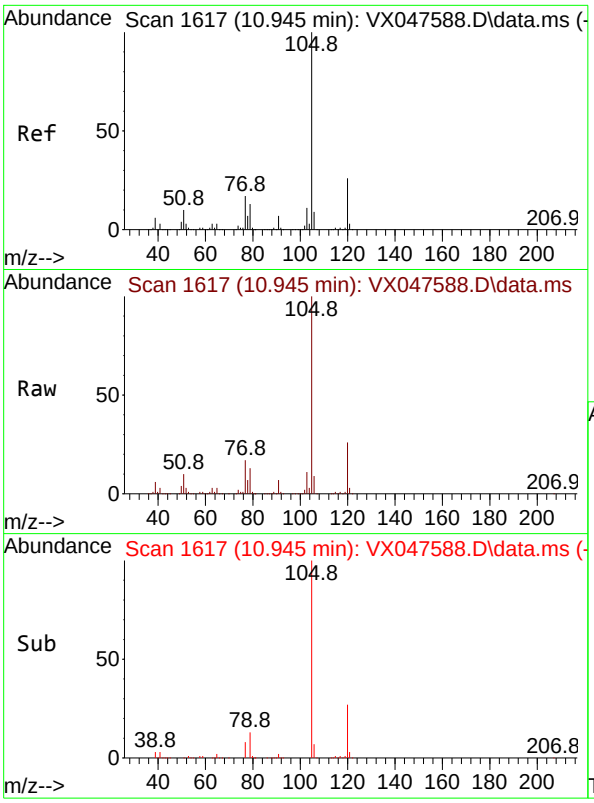




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:152 Resp: 127732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 89.7 | 44.9 | 134.5 |
| 150 | 176.0 | 0.0 | 352.0 |



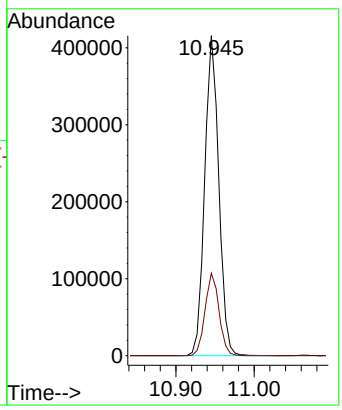


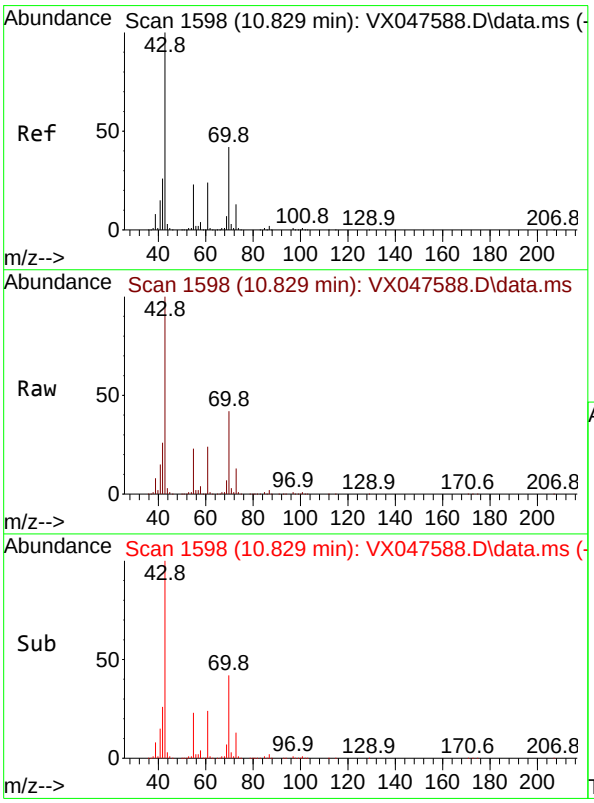

#73
Isopropylbenzene
Concen: 53.227 ug/l
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 516891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.6 | 12.8 | 38.4 |

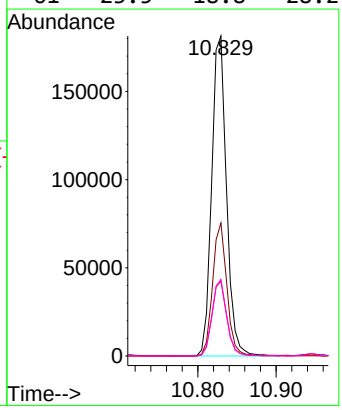


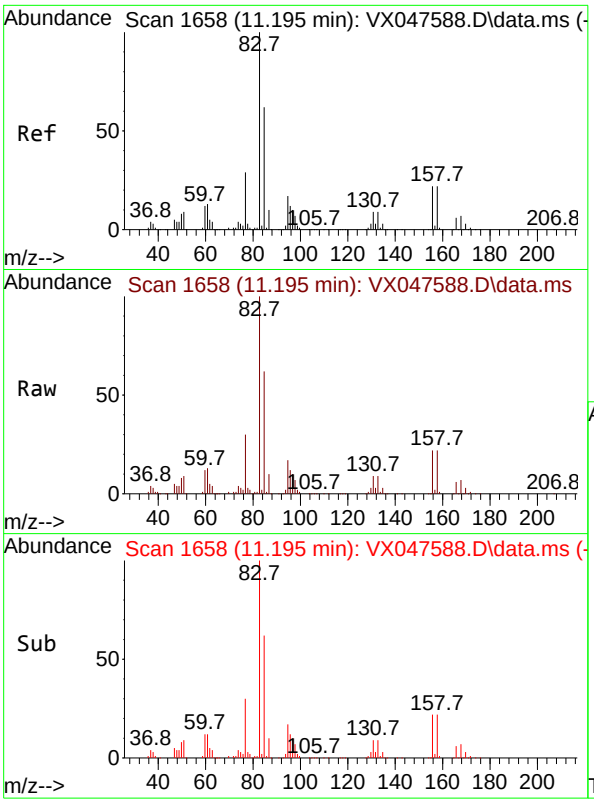




#74
N-amyl acetate
Concen: 53.710 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 43 Resp: 237846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.0 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |



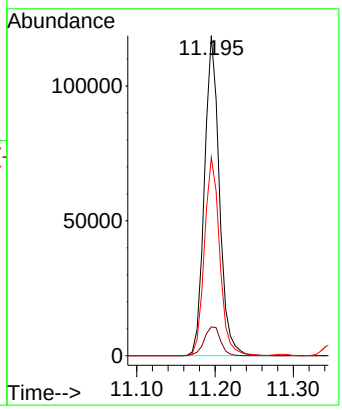


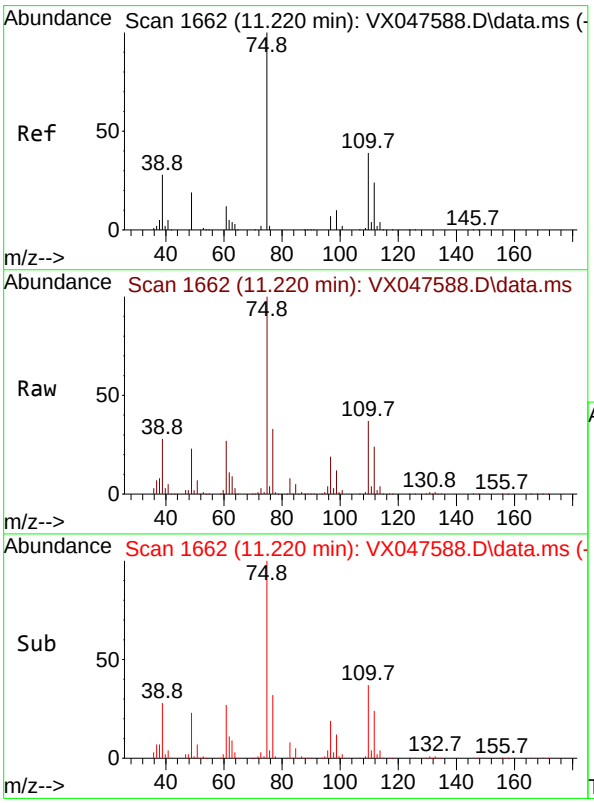

#75
1,1,2,2-Tetrachloroethane
Concen: 53.251 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 83 Resp: 156454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 63.3 | 31.6 | 95.0 |

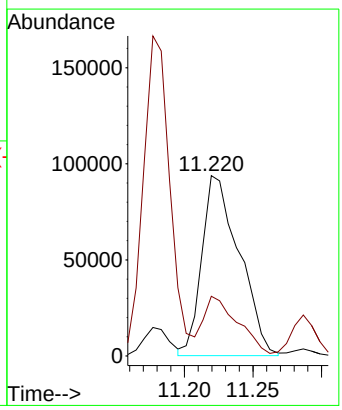


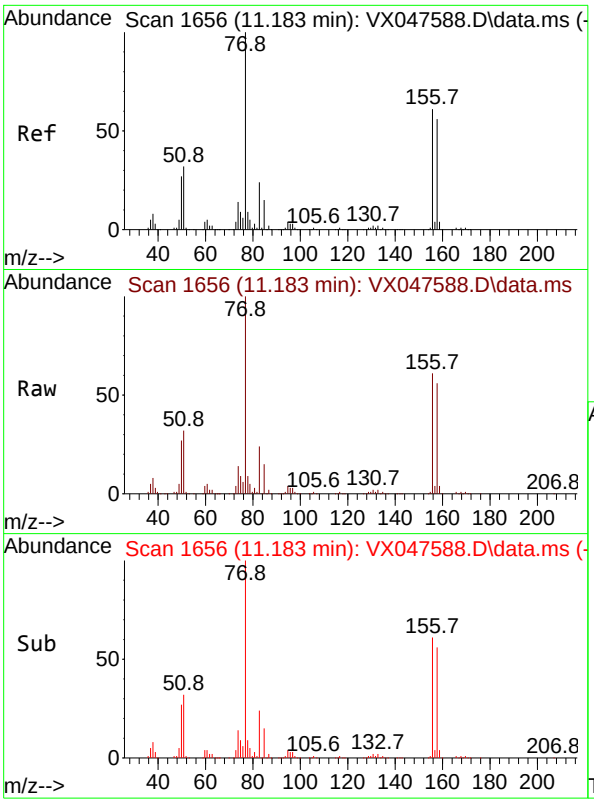




#76
1,2,3-Trichloropropane
Concen: 68.947 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 178309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.4 | 18.8 | 56.4 |



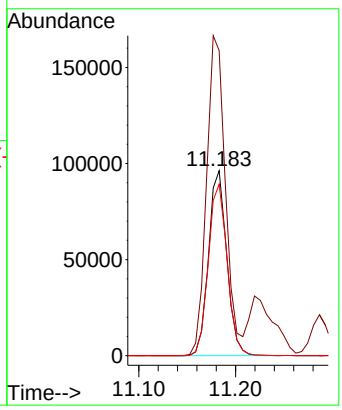


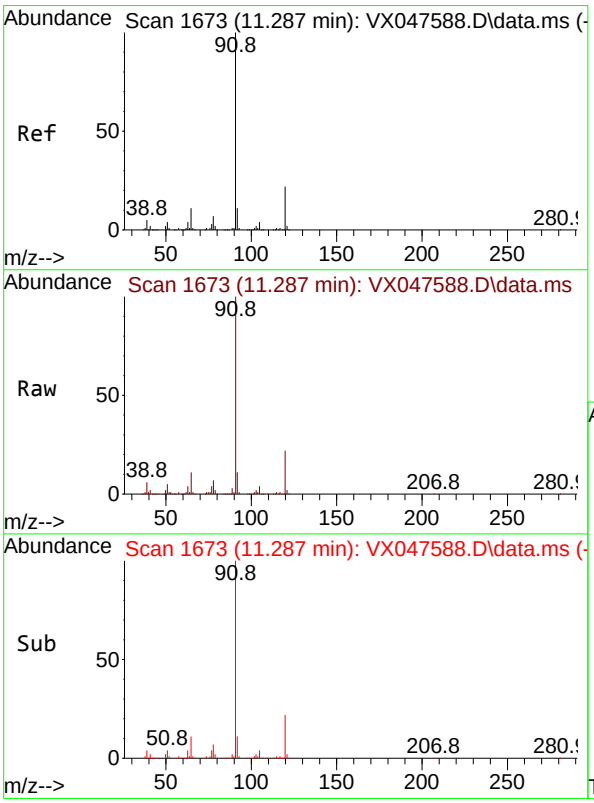

#77
Bromobenzene
Concen: 52.754 ug/l
RT: 11.183 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:156 Resp: 126174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 179.4 | 89.7 | 269.1 |
| 158 | 95.7 | 47.9 | 143.6 |

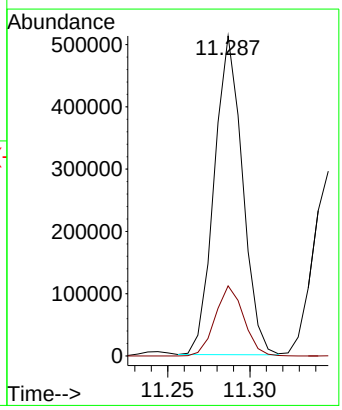


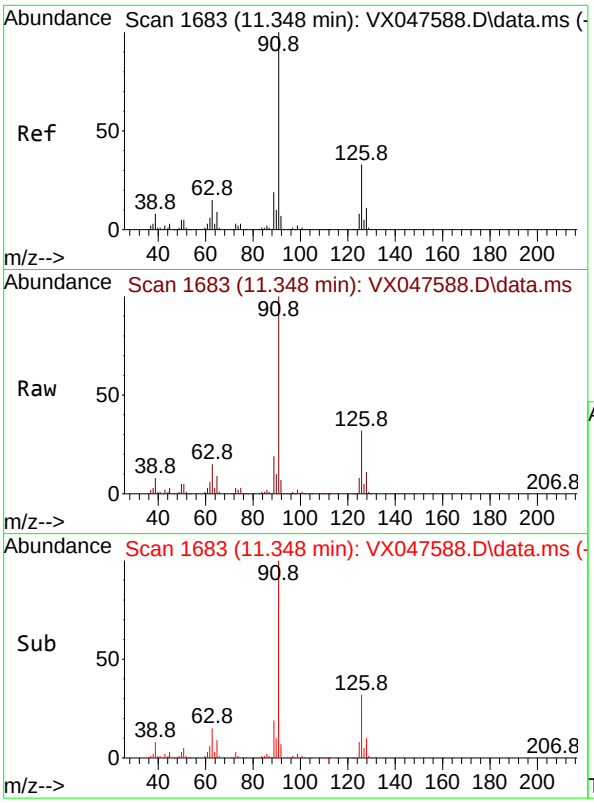




#78
n-propylbenzene
Concen: 53.315 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 612035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.1 | 33.1 |



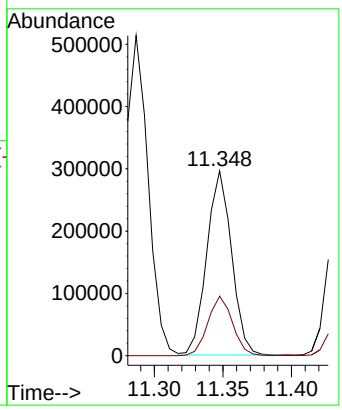


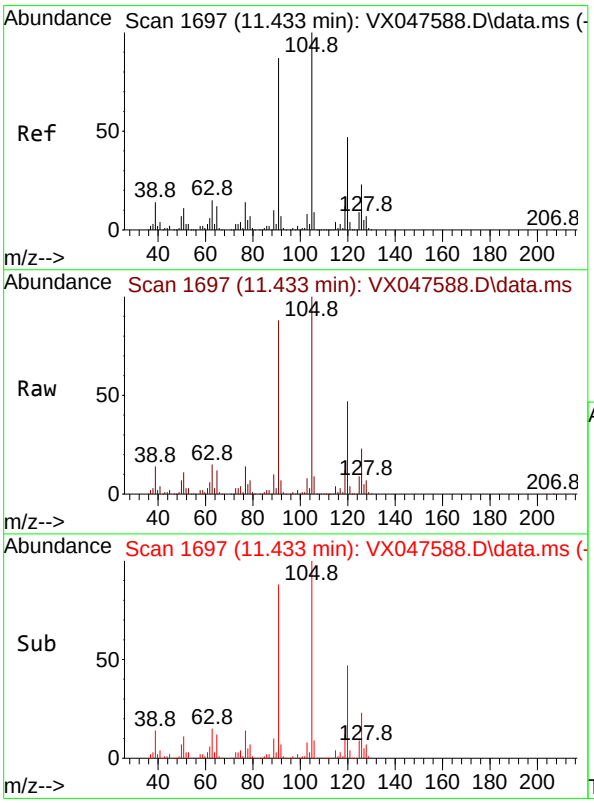

#79
2-Chlorotoluene
Concen: 52.965 ug/l
RT: 11.348 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 372397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.2 | 16.1 | 48.3 |

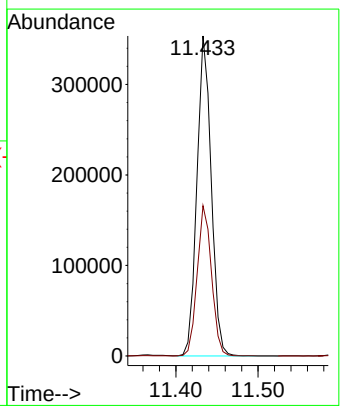


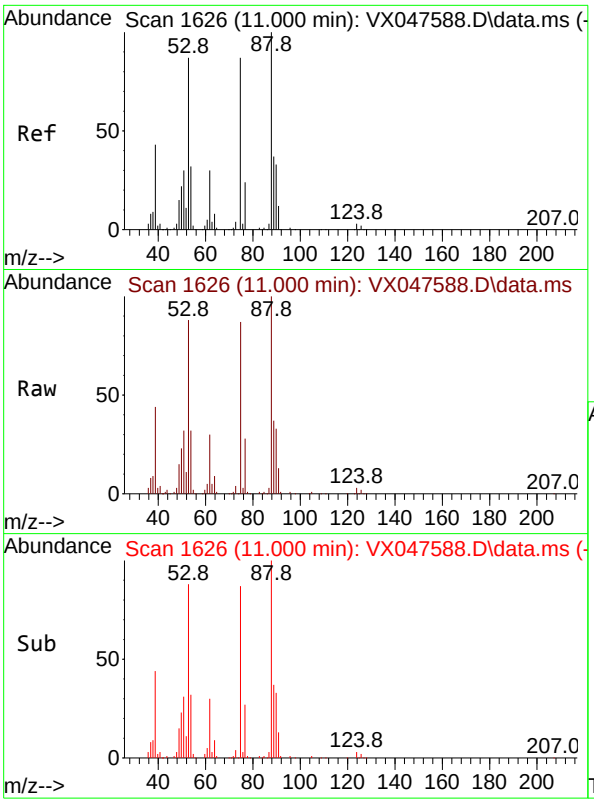




#80
1,3,5-Trimethylbenzene
Concen: 53.518 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 426989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.6 | 70.8 |



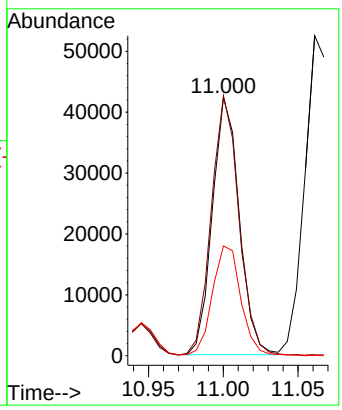


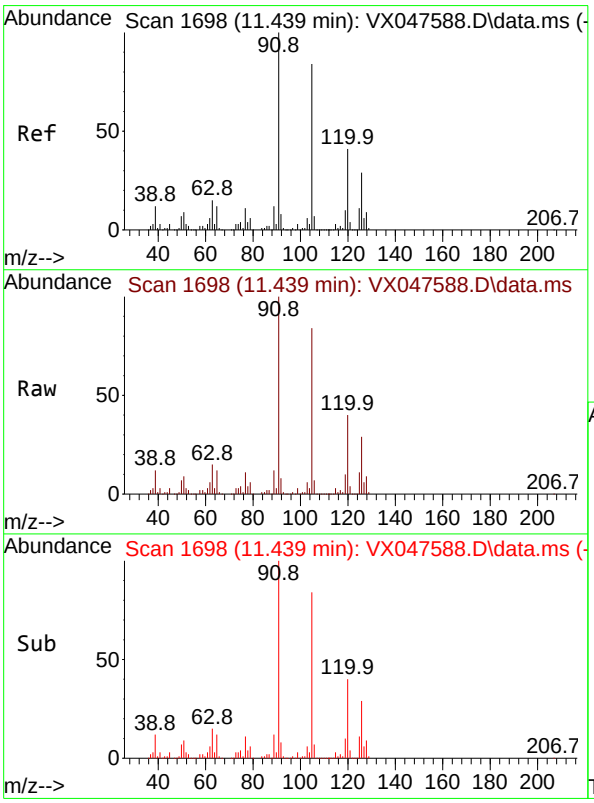

#81
trans-1,4-Dichloro-2-butene
Concen: 52.190 ug/l
RT: 11.000 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 75 Resp: 52927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 104.3 | 83.4 | 125.2 |
| 89 | 45.4 | 36.3 | 54.5 |

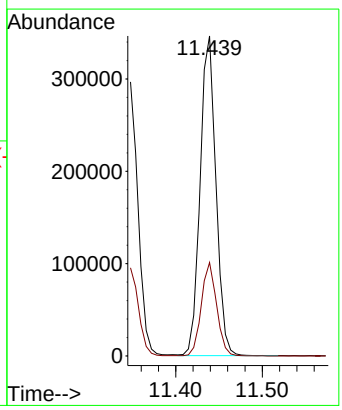


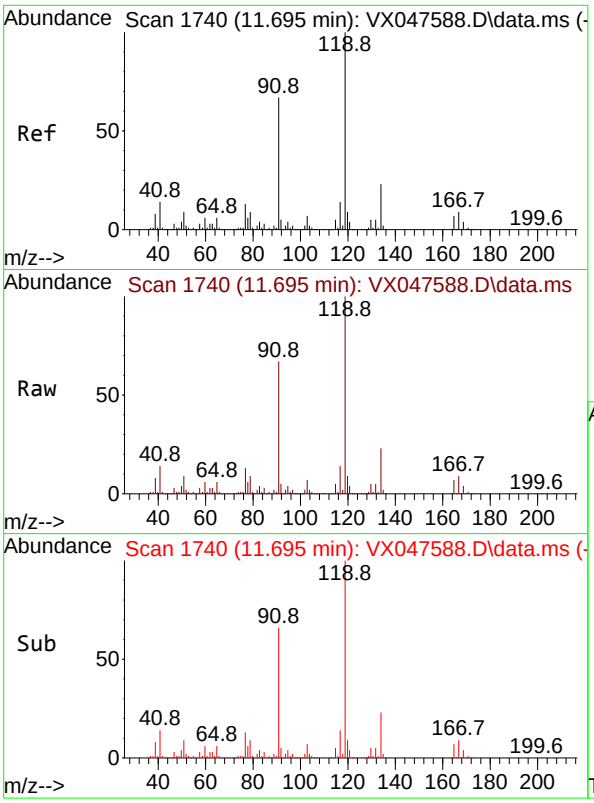




#82
4-Chlorotoluene
Concen: 52.806 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 91 Resp: 438502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.4 | 14.2 | 42.6 |



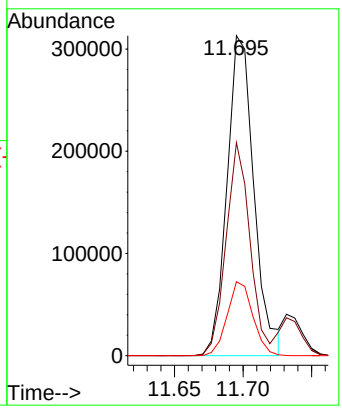


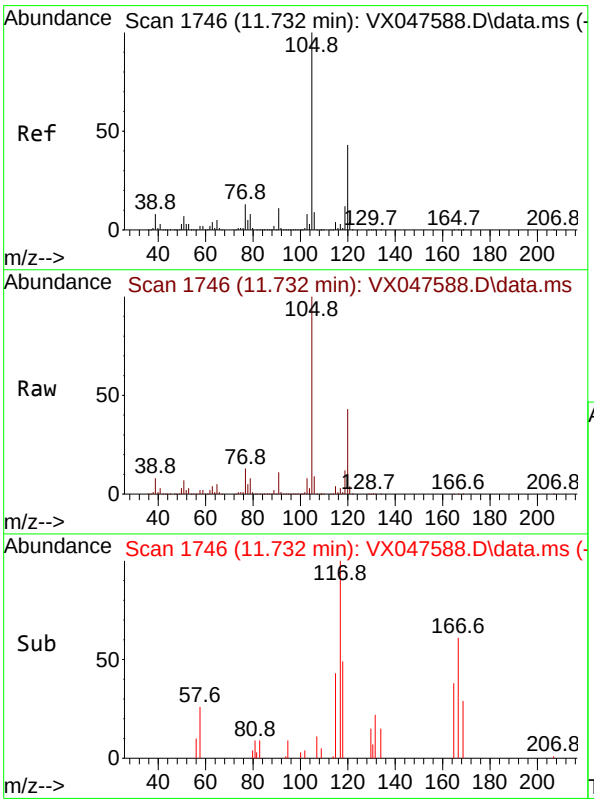

#83
tert-Butylbenzene
Concen: 52.539 ug/l
RT: 11.695 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:119 Resp: 429107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 22.0 | 11.0 | 33.0 |

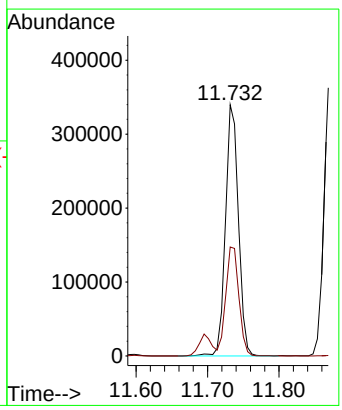


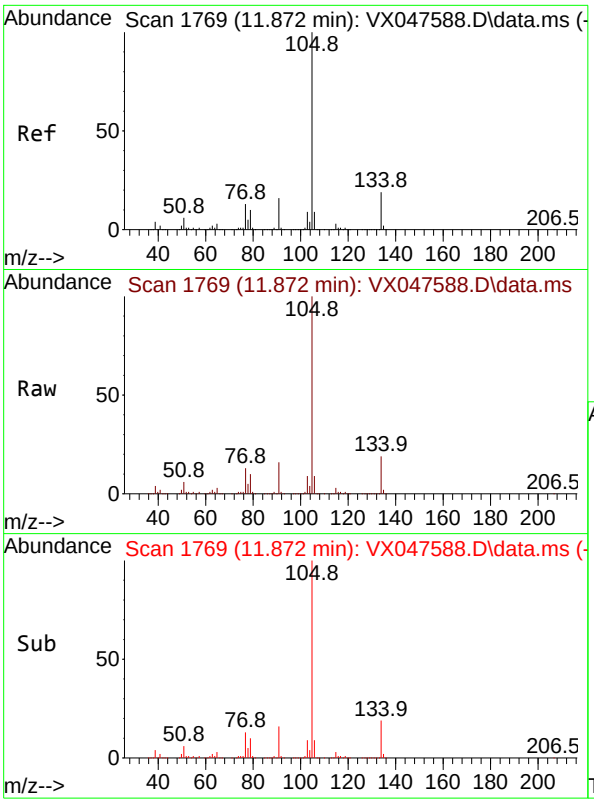




#84
1,2,4-Trimethylbenzene
Concen: 52.798 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:105 Resp: 427073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |



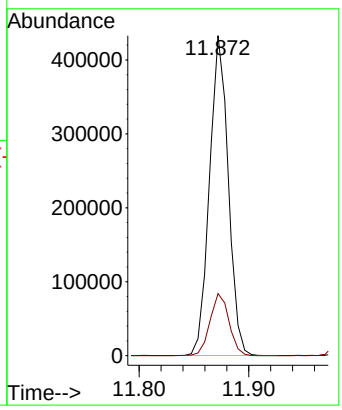


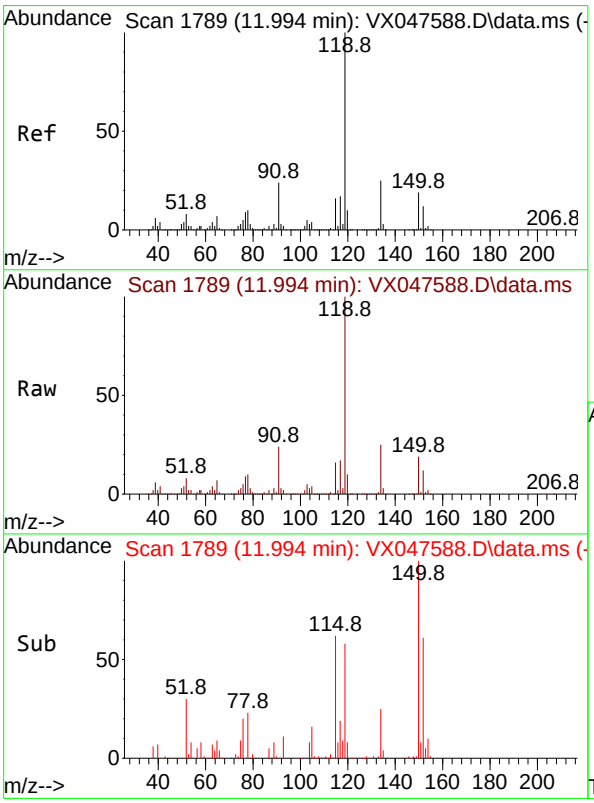

#85
sec-Butylbenzene
Concen: 53.029 ug/l
RT: 11.872 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:105 Resp: 514442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

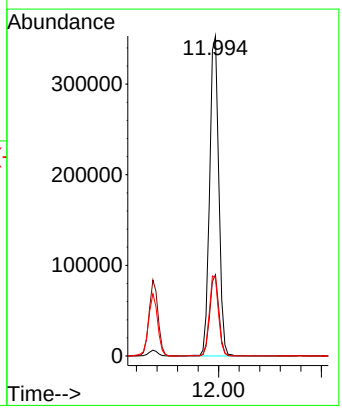


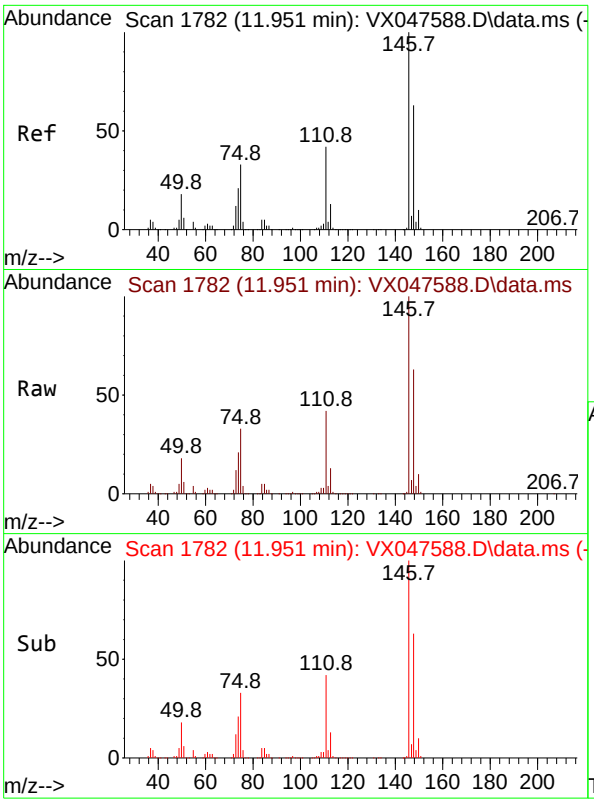




#86
p-Isopropyltoluene
Concen: 53.172 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:119 Resp: 436704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.2 | 12.6 | 37.8 |
| 91 | 25.1 | 12.6 | 37.6 |



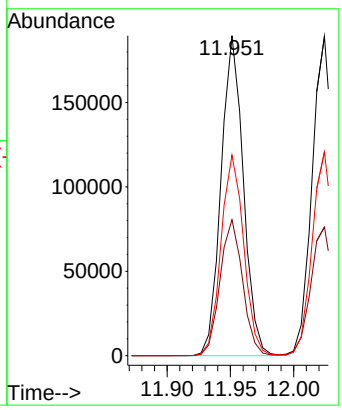


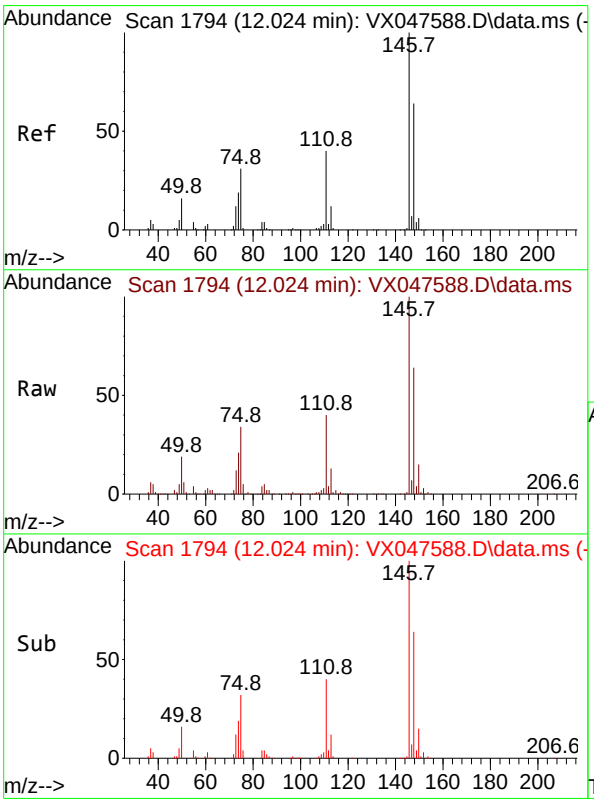

#87
1,3-Dichlorobenzene
Concen: 52.232 ug/l
RT: 11.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 232038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 21.5 | 64.5 |
| 148 | 64.0 | 32.0 | 96.0 |

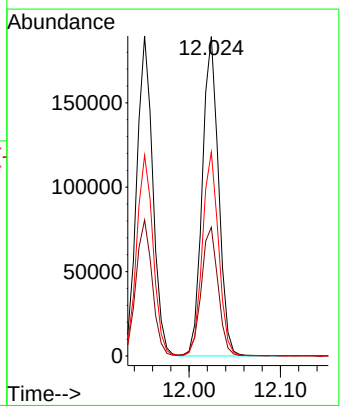


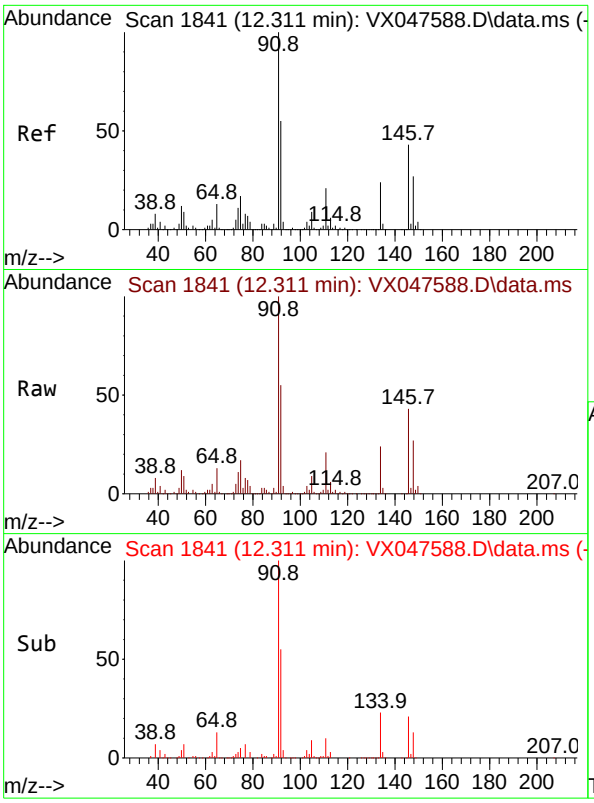




#88
1,4-Dichlorobenzene
Concen: 51.316 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:146 Resp: 233975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 63.4 | 31.7 | 95.1 |



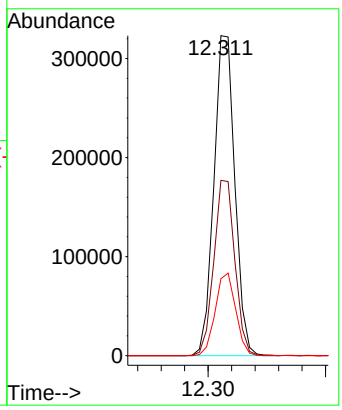


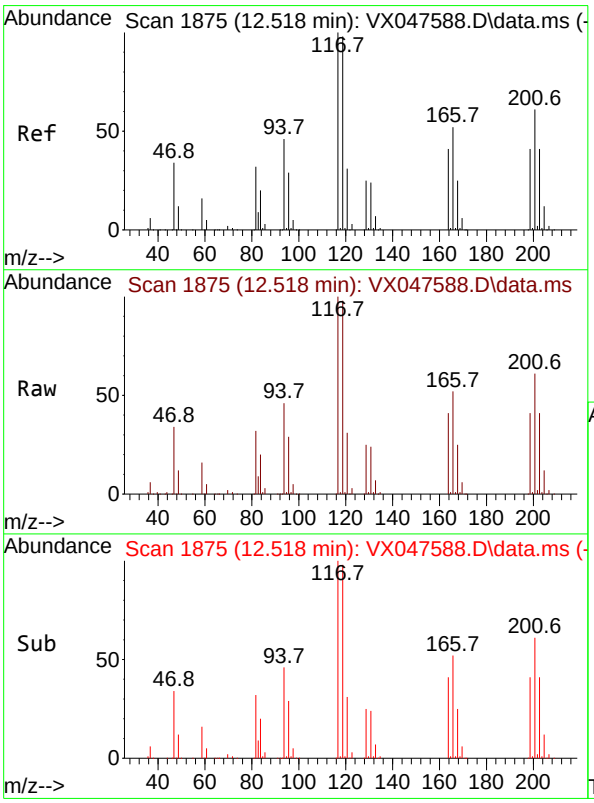

#89
n-Butylbenzene
Concen: 52.766 ug/l
RT: 12.311 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion: 91 Resp: 400997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.1 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |

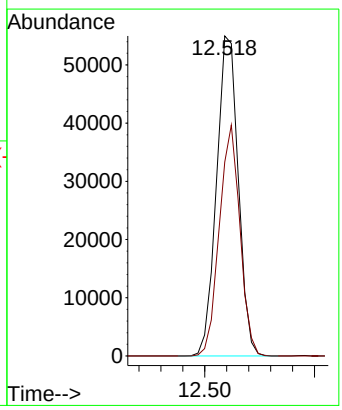


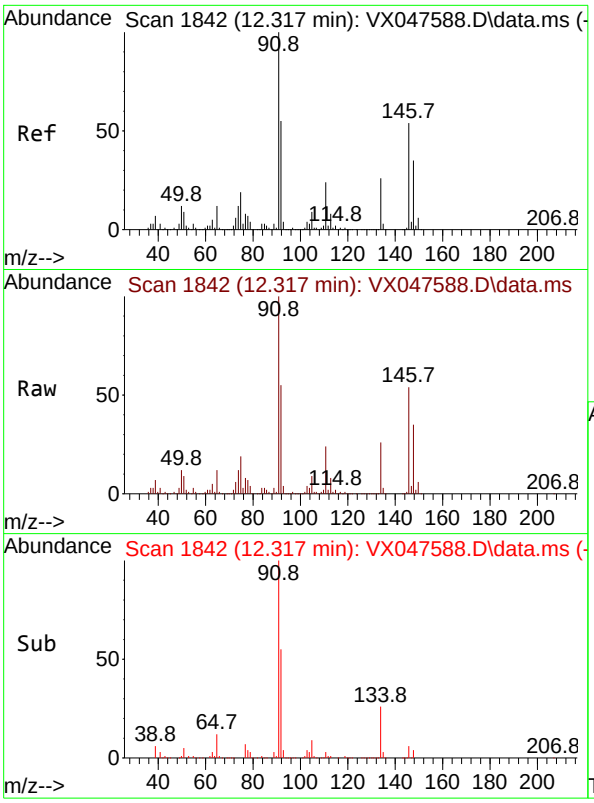




#90
Hexachloroethane
Concen: 52.567 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:117 Resp: 75800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.3 | 34.2 | 102.5 |



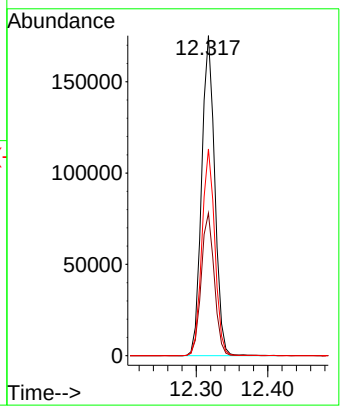


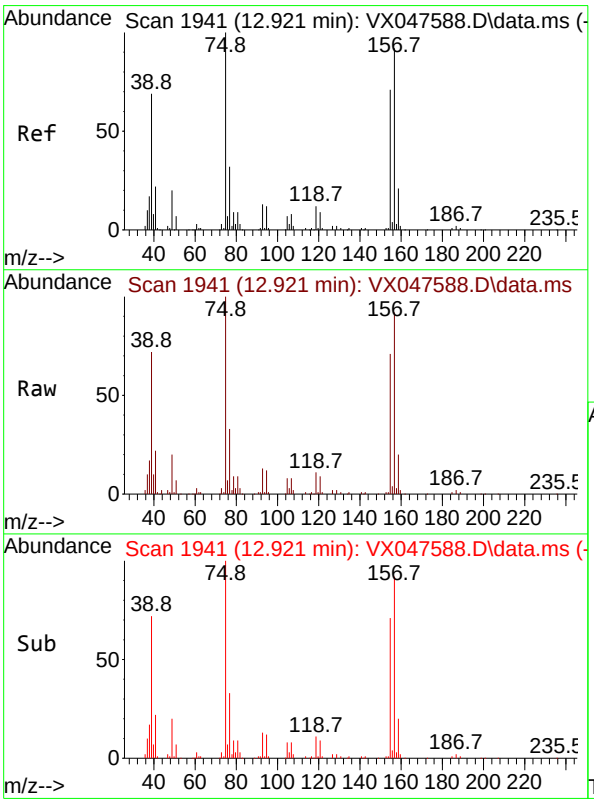

#91
1,2-Dichlorobenzene
Concen: 52.688 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:146 Resp: 222993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.4 | 22.2 | 66.6 |
| 148 | 63.6 | 31.8 | 95.4 |

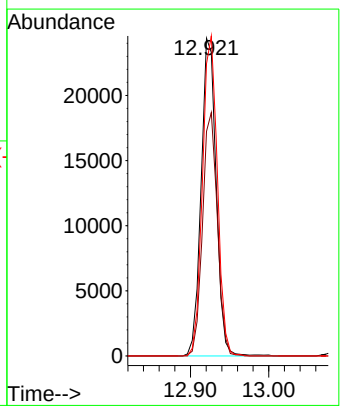


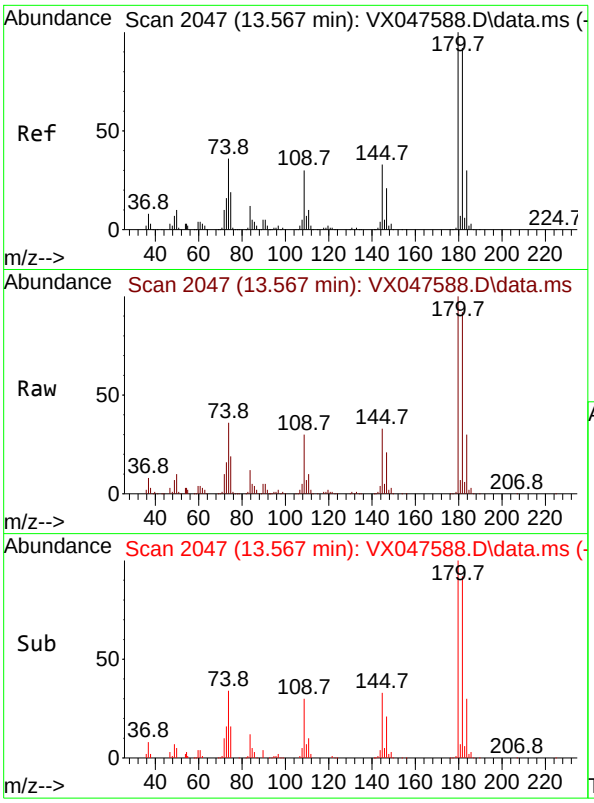




#92
1,2-Dibromo-3-Chloropropane
Concen: 54.554 ug/l
RT: 12.921 min Scan# 1941
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion: 75 Resp: 32451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 75.4 | 37.7 | 113.1 |
| 157 | 99.6 | 49.8 | 149.4 |



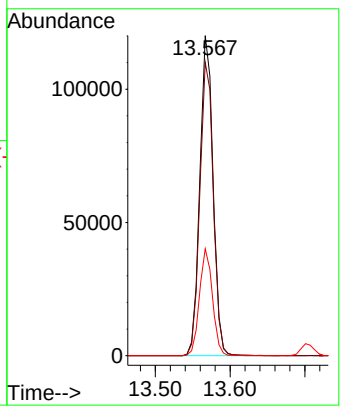


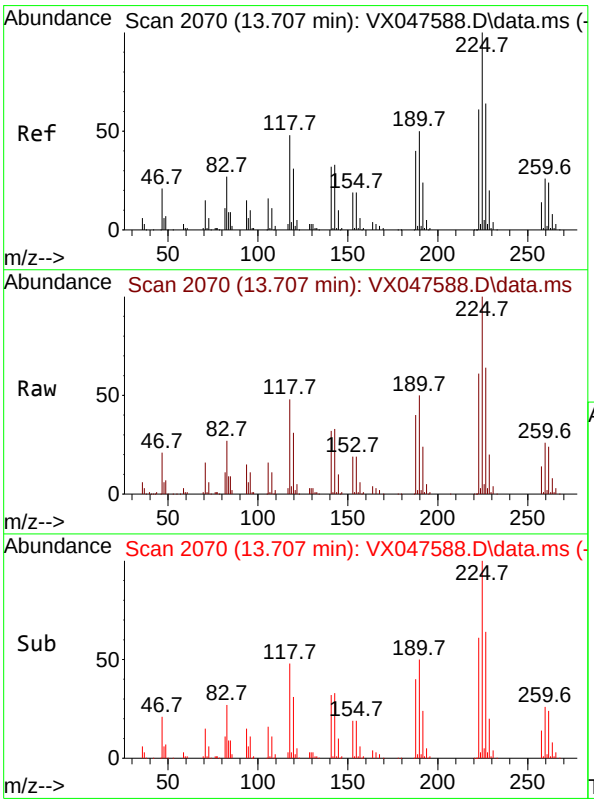

#93
1,2,4-Trichlorobenzene
Concen: 53.685 ug/l
RT: 13.567 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:180 Resp: 147670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.6 | 139.8 |
| 145 | 32.7 | 16.4 | 49.1 |

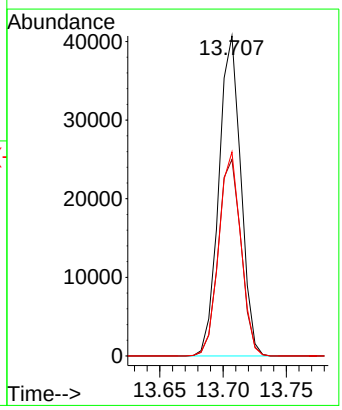


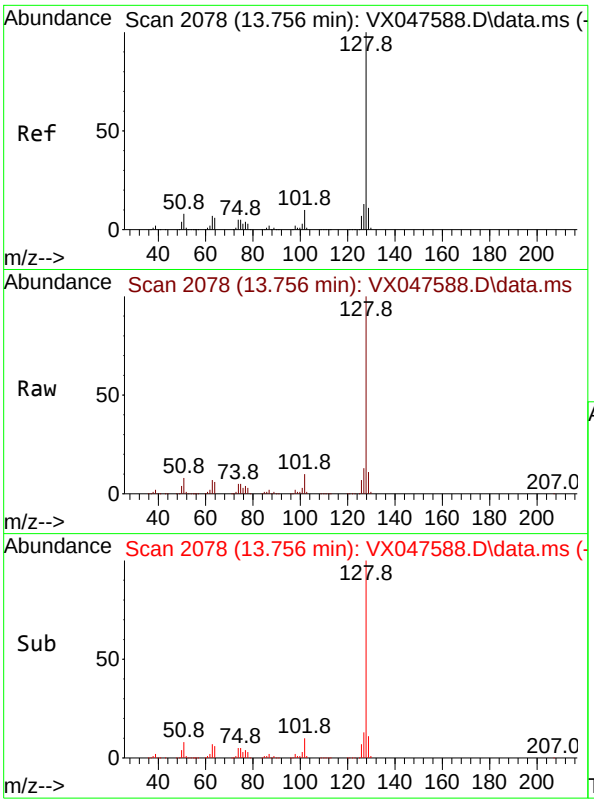




#94
Hexachlorobutadiene
Concen: 52.510 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:225 Resp: 49061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.4 | 31.7 | 95.1 |
| 227 | 64.0 | 32.0 | 96.0 |



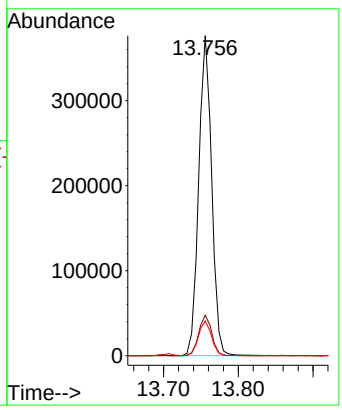


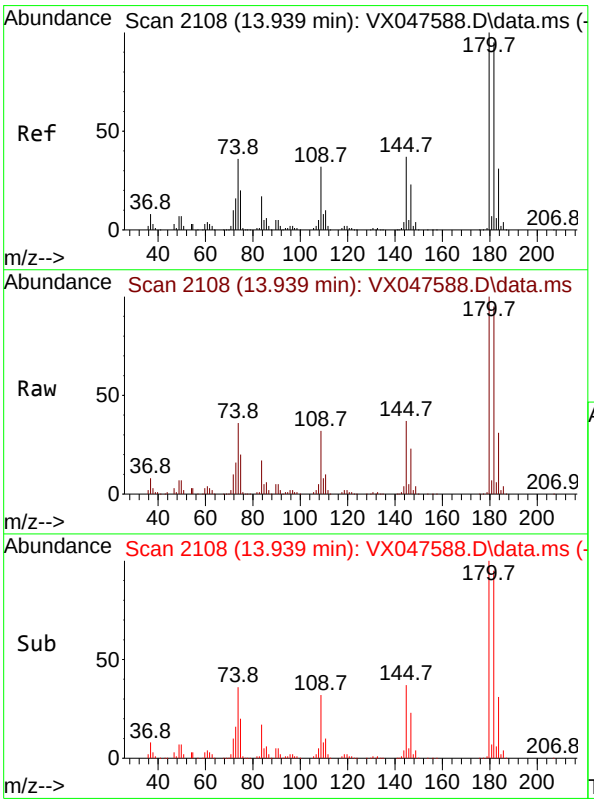

#95
Naphthalene
Concen: 53.966 ug/l
RT: 13.756 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Tgt Ion:128 Resp: 452013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.0 | 8.8 | 13.2 |

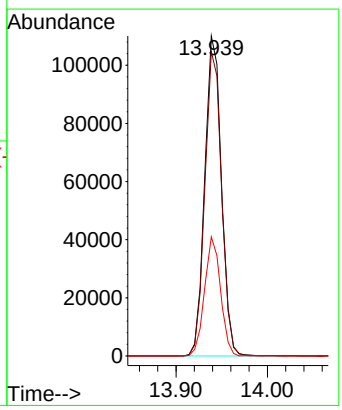



#96
1,2,3-Trichlorobenzene
Concen: 54.316 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VX047588.D
Acq: 16 Sep 2025 10:58

Tgt Ion:180 Resp: 138978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.2 | 47.6 | 142.8 |
| 145 | 35.8 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 169280 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 298913 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 258399 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 122218 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 275758 | 102.341 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 204.680%# | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 212419 | 105.962 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 211.920%# | | | |
| 50) Toluene-d8 | 8.629 | 98 | 724078 | 104.386 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 208.780%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 270289 | 102.672 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 205.340%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 172727 | 98.537 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 229165 | 99.472 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 229175 | 101.621 | ug/l | 100 |
| 5) Bromomethane | 1.611 | 94 | 143113 | 100.076 | ug/l | 99 |
| 6) Chloroethane | 1.691 | 64 | 152487 | 101.167 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 344488 | 102.878 | ug/l | 100 |
| 8) Diethyl Ether | 2.130 | 74 | 142038 | 103.695 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 199843 | 102.067 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 313092 | 102.531 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.947 | 59 | 152108 | 506.863 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 206097 | 102.473 | ug/l | 93 |
| 13) Acrolein | 2.233 | 56 | 150793 | 545.276 | ug/l | 97 |
| 14) Allyl chloride | 2.660 | 41 | 415140 | 100.028 | ug/l | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 581240 | 522.897 | ug/l | 100 |
| 16) Acetone | 2.374 | 43 | 510542 | 435.772 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 537888 | 97.693 | ug/l | 98 |
| 18) Methyl Acetate | 2.697 | 43 | 292867 | 112.324 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 748952 | 102.011 | ug/l | 100 |
| 20) Methylene Chloride | 2.782 | 84 | 242548 | 97.805 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 217759 | 100.566 | ug/l | 98 |
| 22) Diisopropyl ether | 3.745 | 45 | 811840 | 100.934 | ug/l | 88 |
| 23) Vinyl Acetate | 3.709 | 43 | 3314707 | 514.916 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 435815 | 101.944 | ug/l | 98 |
| 25) 2-Butanone | 4.532 | 43 | 700827 | 479.558 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 357292 | 100.542 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 266550 | 100.516 | ug/l | 100 |
| 28) Bromochloromethane | 4.873 | 49 | 198788 | 106.512 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.977 | 42 | 443530 | 504.502 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 433937 | 100.447 | ug/l | 100 |
| 31) Cyclohexane | 5.452 | 56 | 332995 | 93.523 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 372323 | 101.607 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 281650 | 96.149 | ug/l | 98 |
| 37) Ethyl Acetate | 4.690 | 43 | 318793 | 101.641 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 314745 | 98.891 | ug/l | 98 |
| 39) Methylcyclohexane | 7.360 | 83 | 327858 | 98.600 | ug/l | 98 |
| 40) Benzene | 6.019 | 78 | 880885 | 99.009 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 168753 | 104.220 | ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.062 | 62 | 331465 | 97.916 | ug/l | 100 |
| 43) Isopropyl Acetate | 6.318 | 43 | 516875 | 100.482 | ug/l | 99 |
| 44) Trichloroethene | 7.104 | 130 | 217753 | 101.234 | ug/l | 96 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 228150 | 100.145 | ug/l | 100 |
| 46) Dibromomethane | 7.562 | 93 | 164987 | 99.519 | ug/l | 99 |
| 47) Bromodichloromethane | 7.806 | 83 | 345991 | 101.136 | ug/l | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 260358 | 101.612 | ug/l | 100 |
| 49) 1,4-Dioxane | 7.641 | 88 | 56717 | 2190.315 | ug/l | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 1431253 | 501.834 | ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 536148 | 97.811 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 355881 | 101.986 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 380577 | 102.038 | ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 205939 | 97.434 | ug/l | 97 |
| 56) Ethyl methacrylate | 9.098 | 69 | 346659 | 104.435 | ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 362848 | 99.935 | ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 836362 | 499.814 | ug/l | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 996274 | 486.380 | ug/l | 100 |
| 60) Dibromochloromethane | 9.506 | 129 | 251394 | 103.226 | ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 217751 | 101.147 | ug/l | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 165559 | 98.284 | ug/l | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 588517 | 100.253 | ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 208621 | 102.988 | ug/l | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 1031346 | 101.823 | ug/l | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 763898 | 202.624 | ug/l | 99 |
| 69) o-Xylene | 10.622 | 106 | 372621 | 102.186 | ug/l | 99 |
| 70) Styrene | 10.634 | 104 | 649863 | 101.710 | ug/l | 100 |
| 71) Bromoform | 10.781 | 173 | 161188 | 106.566 | ug/l | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 954900 | 102.768 | ug/l | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 448344 | 105.812 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 281608 | 100.172 | ug/l | 98 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 327988 | 132.545 | ug/l | 89 |
| 77) Bromobenzene | 11.183 | 156 | 234666 | 102.541 | ug/l | 98 |
| 78) n-propylbenzene | 11.287 | 91 | 1119728 | 101.941 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 683867 | 101.652 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 787327 | 103.134 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 102555 | 105.689 | ug/l | 98 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 802929 | 101.054 | ug/l | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 791896 | 101.333 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 790557 | 102.144 | ug/l | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 945321 | 101.840 | ug/l | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 797643 | 101.501 | ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 432248 | 101.689 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 431839 | 98.985 | ug/l | 100 |
| 89) n-Butylbenzene | 12.311 | 91 | 757239 | 104.138 | ug/l | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 148048 | 107.304 | ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 414491 | 102.352 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 61029 | 107.225 | ug/l | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 278777 | 105.922 | ug/l | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 92124 | 103.049 | ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 854492 | 106.620 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 263512 | 107.633 | ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

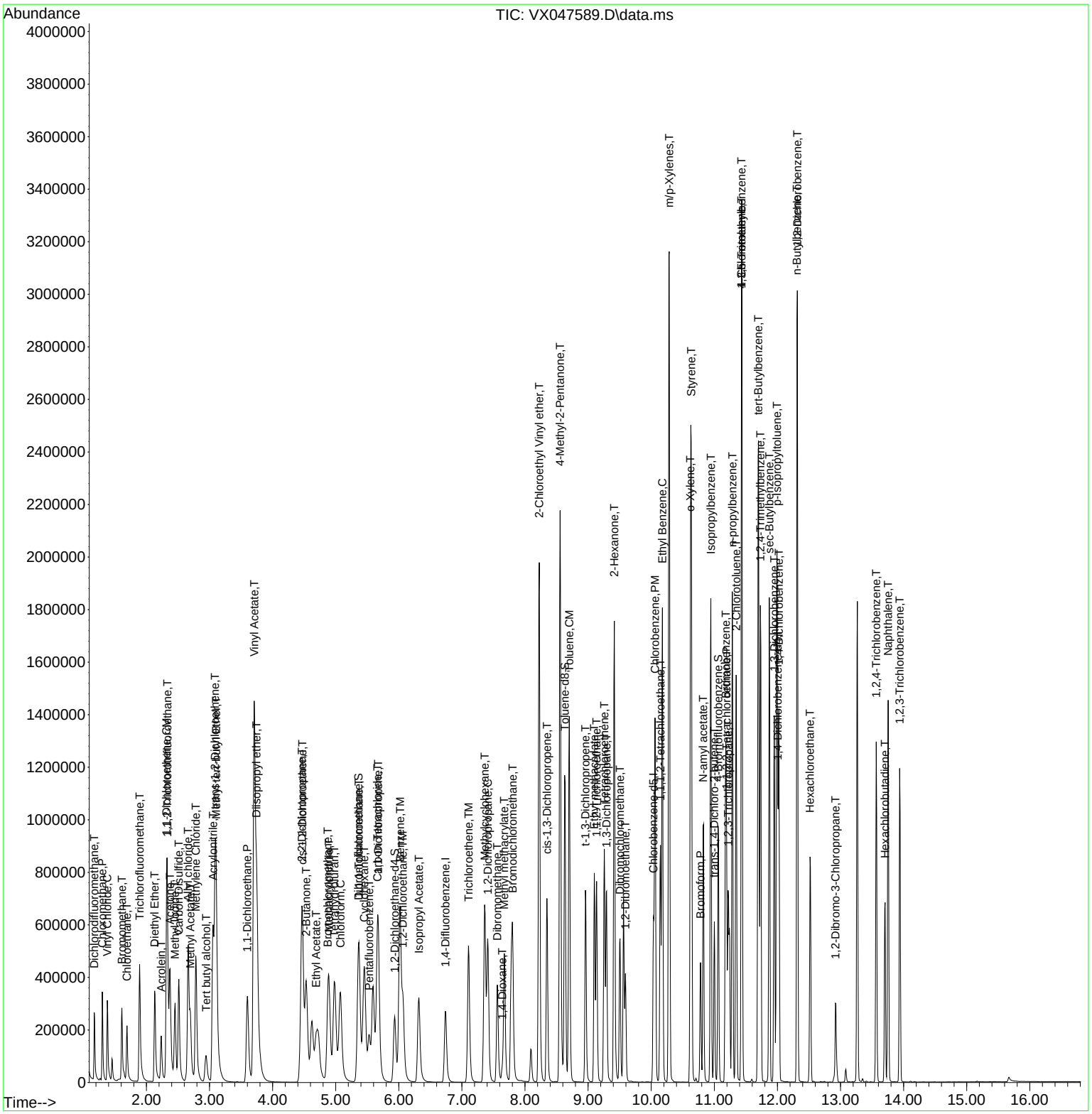
(#) = qualifier out of range (m) = manual integration (+) = signals summed

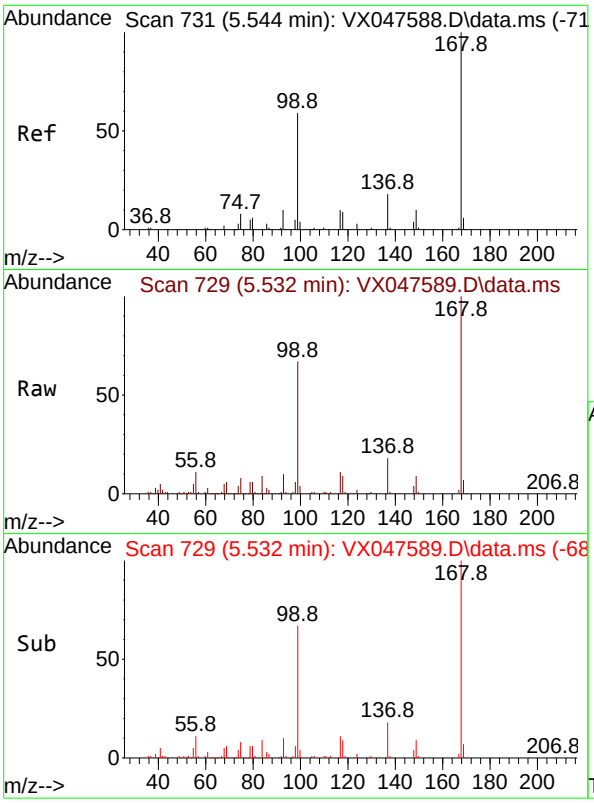
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Sep 22 01:51:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



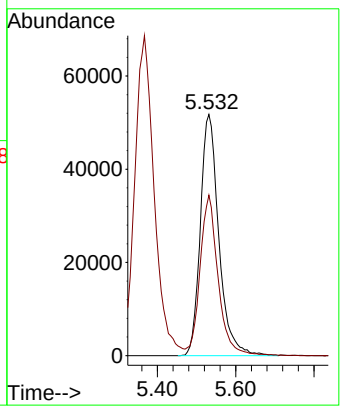


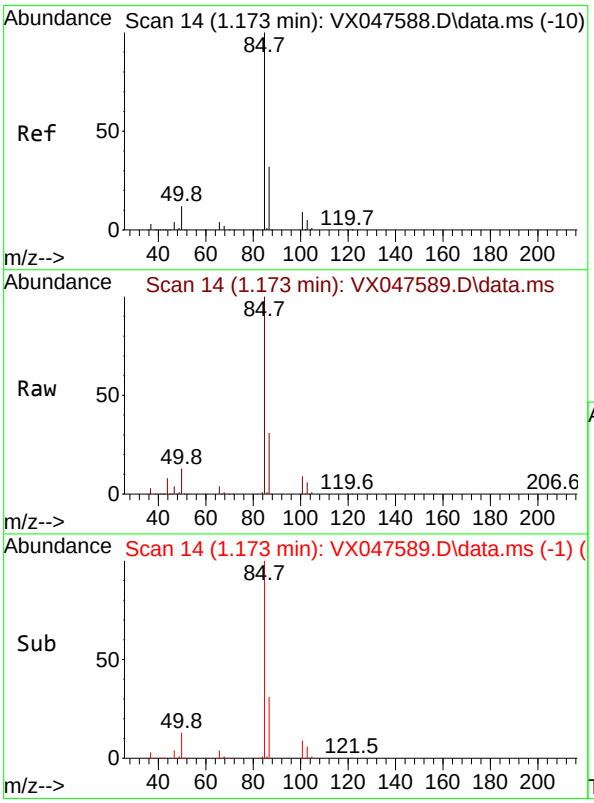

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:168 Resp: 169280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 66.4 | 48.8 | 73.2 |

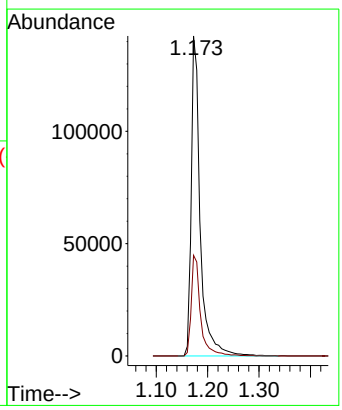


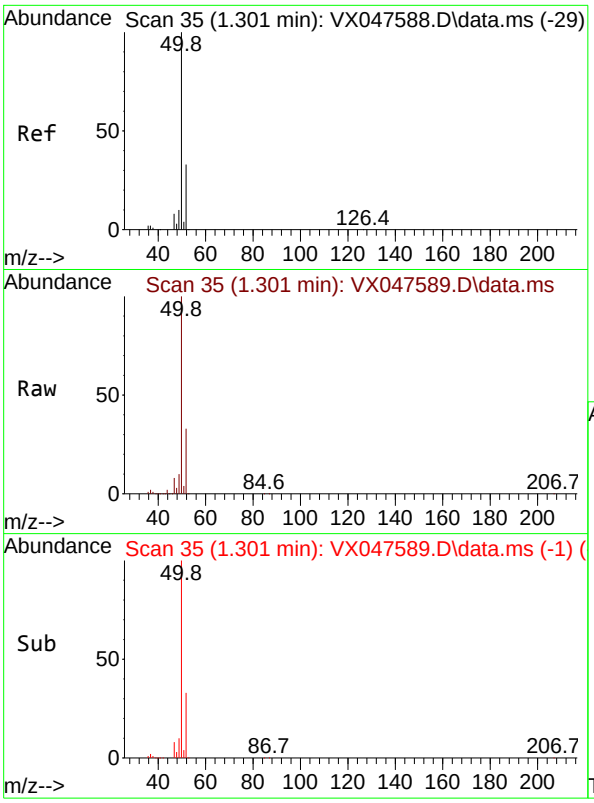




#2
Dichlorodifluoromethane
Concen: 98.537 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 85 Resp: 172727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.8 | 47.3 |



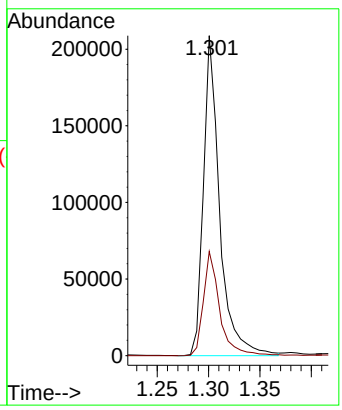


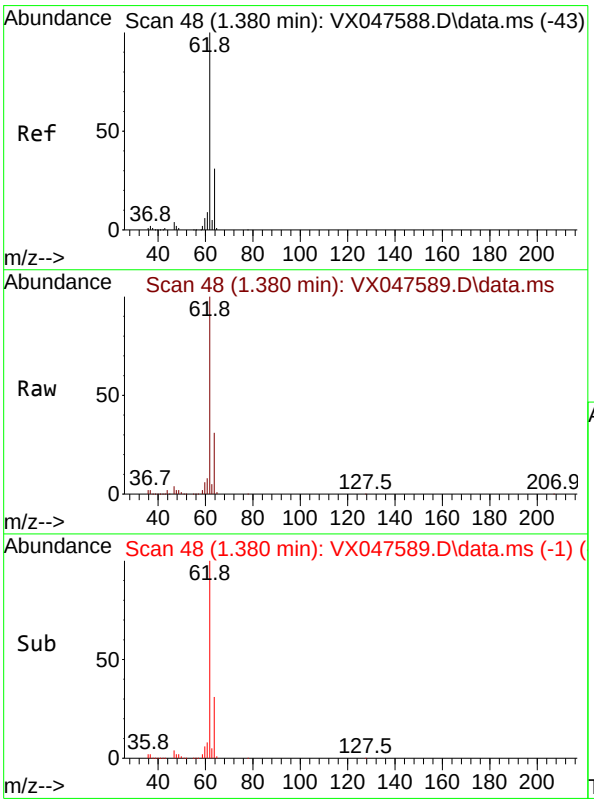

#3
Chloromethane
Concen: 99.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 50 Resp: 229165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.1 | 39.1 |

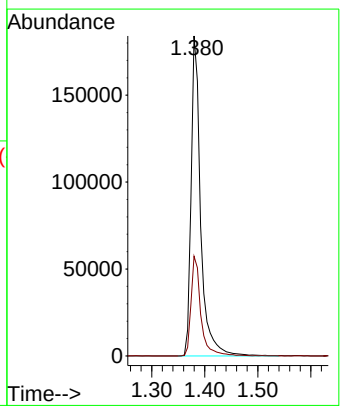


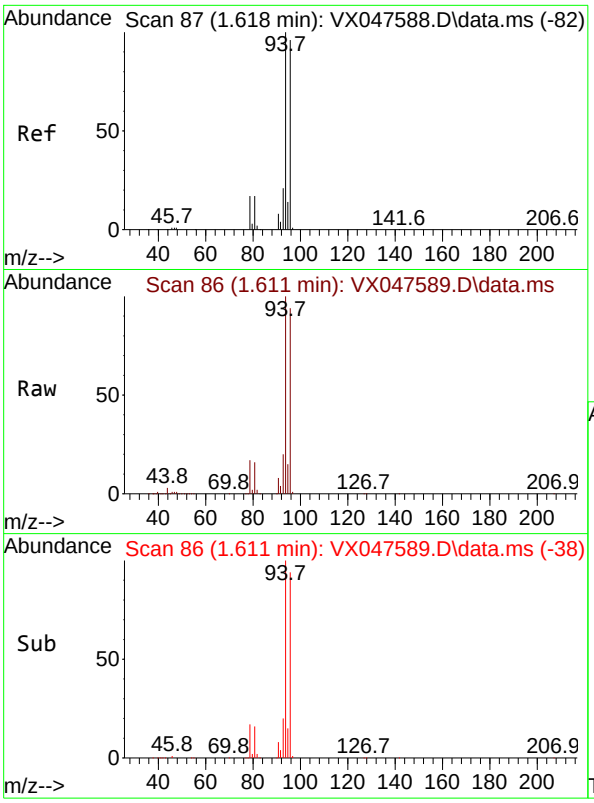




#4
Vinyl Chloride
Concen: 101.621 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 229175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.1 | 24.9 | 37.3 |



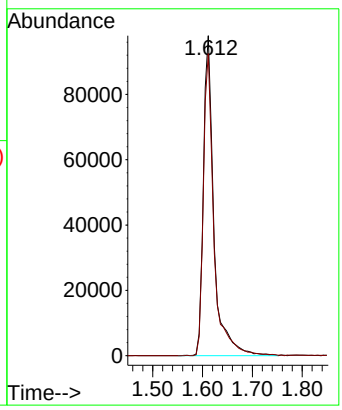


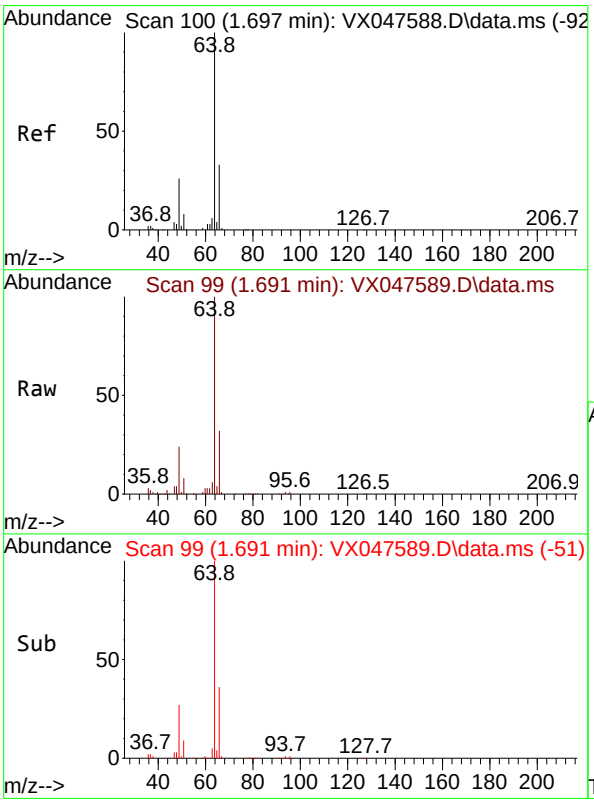

#5
Bromomethane
Concen: 100.076 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 94 Resp: 143113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.4 | 76.6 | 115.0 |

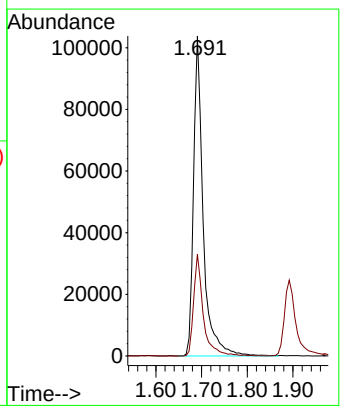


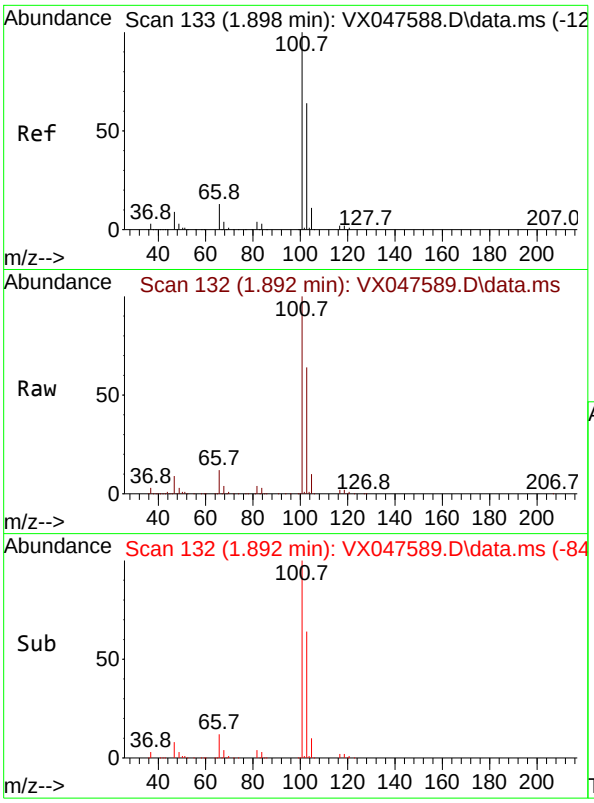




#6
Chloroethane
Concen: 101.167 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 64 Resp: 152487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.8 | 26.1 | 39.1 |



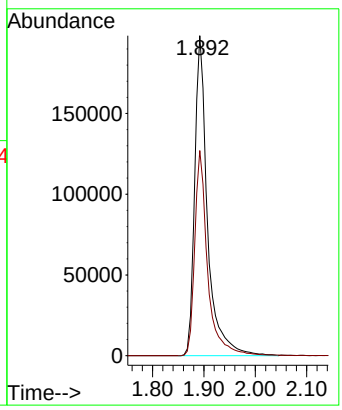


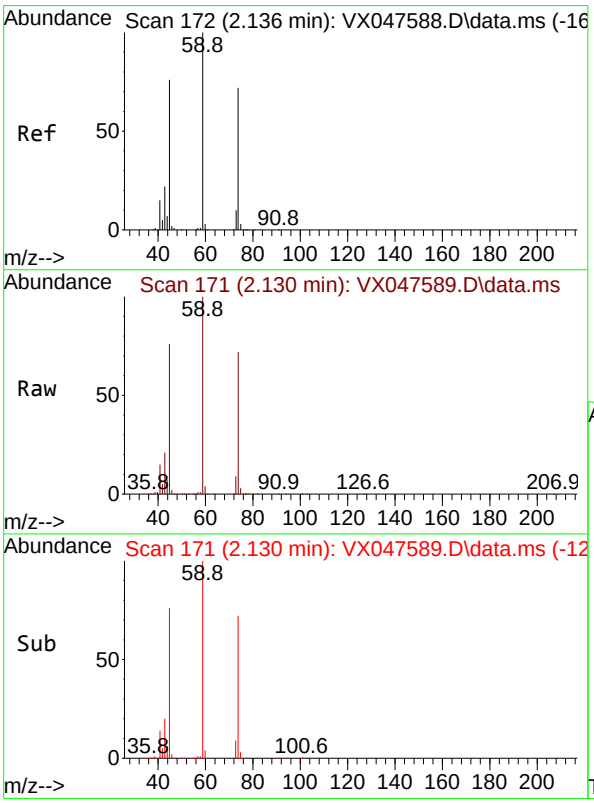

#7
Trichlorofluoromethane
Concen: 102.878 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 344488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 64.1 | 51.4 | 77.2 |

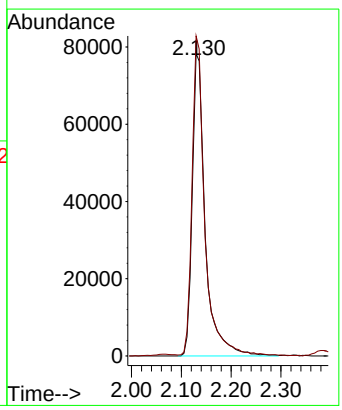


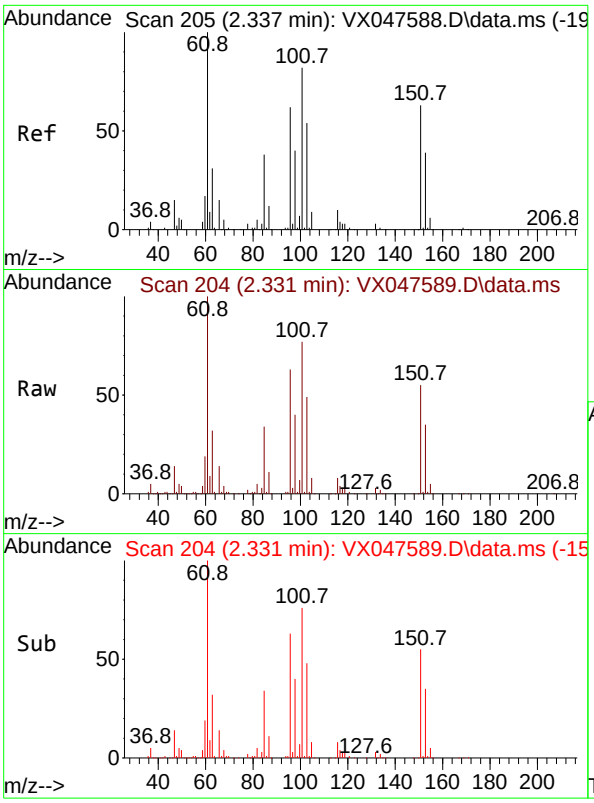




#8
Diethyl Ether
Concen: 103.695 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 74 Resp: 142038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.6 | 52.3 | 156.8 |



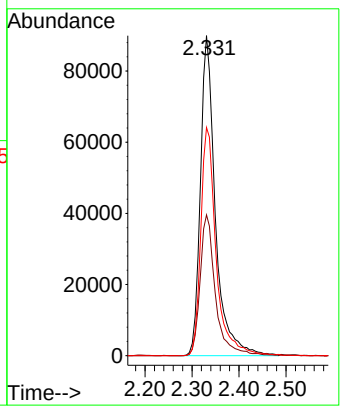


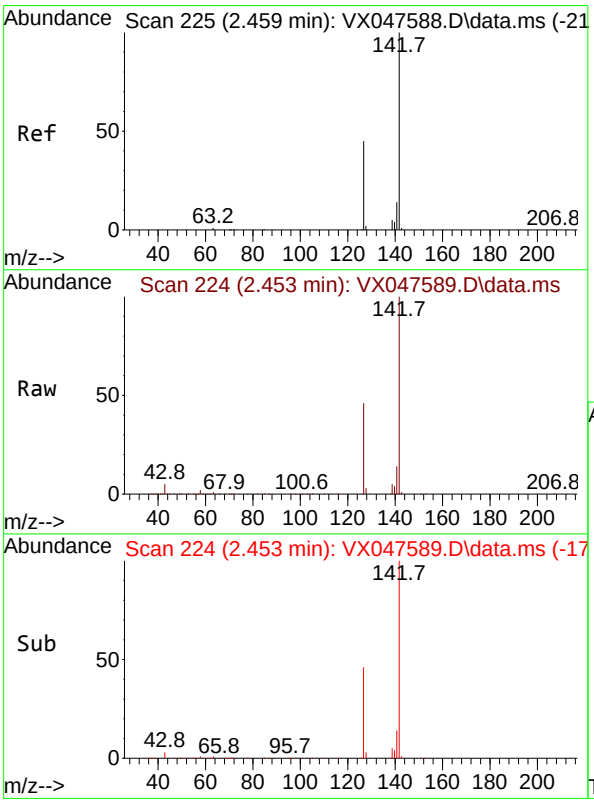

#9
1,1,2-Trichlorotrifluoroethane
Concen: 102.067 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:101 Resp: 199843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.1 | 35.5 | 53.3 |
| 151 | 73.6 | 59.4 | 89.0 |

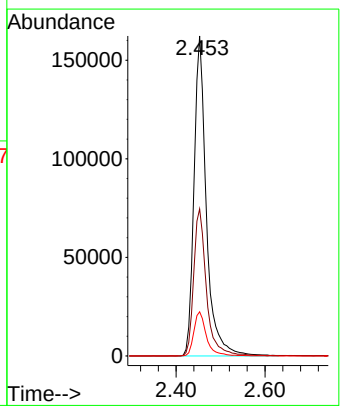


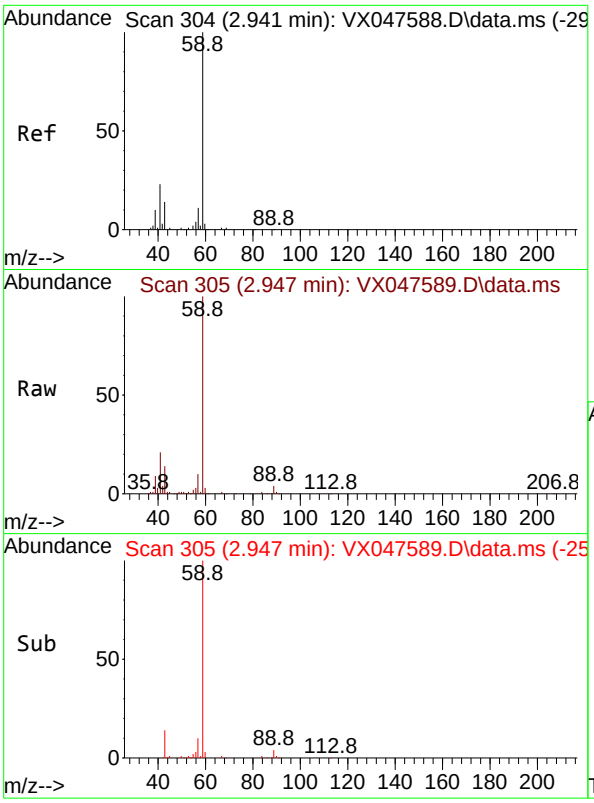




#10
Methyl Iodide
Concen: 102.531 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:142 Resp: 313092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |



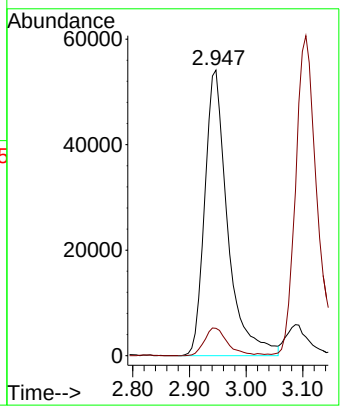


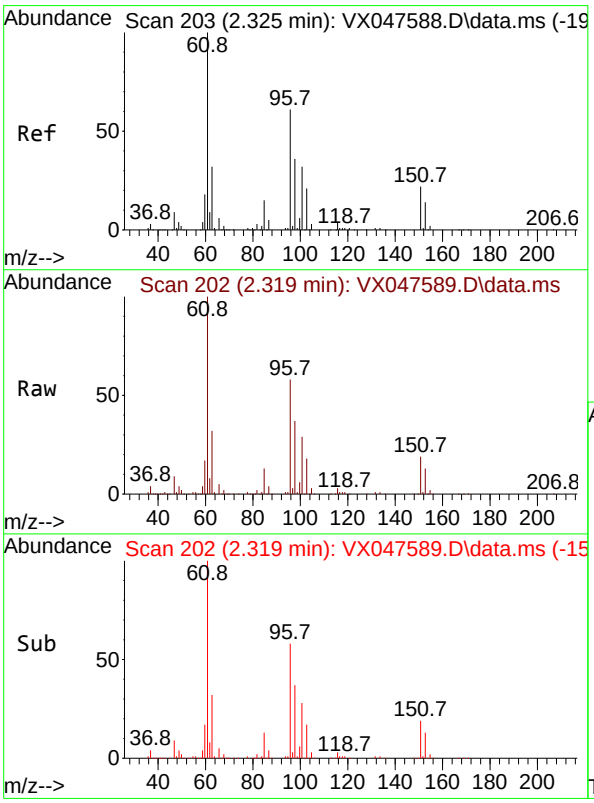

#11
Tert butyl alcohol
Concen: 506.863 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 59 Resp: 152108

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 9.7 | 8.3 | 12.5 |

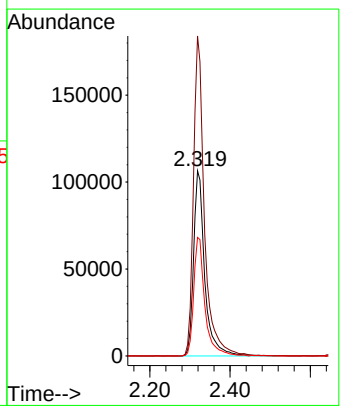


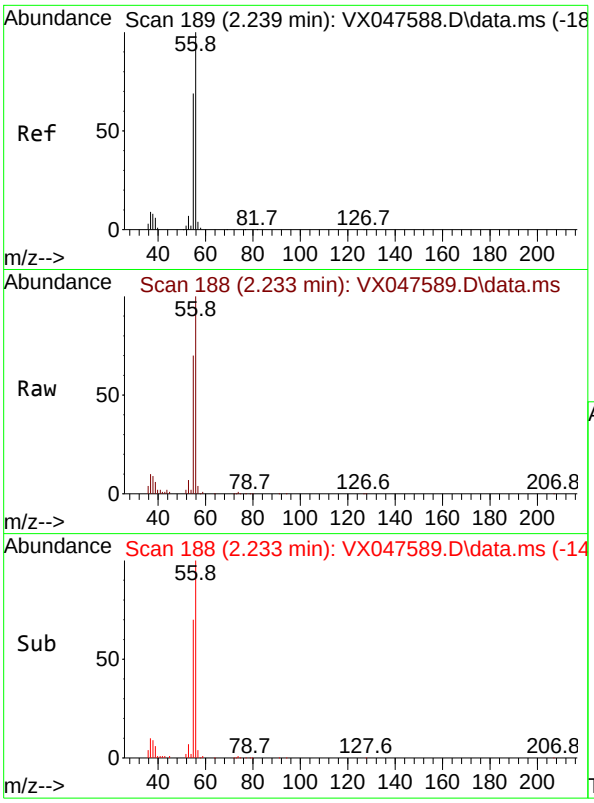




#12
1,1-Dichloroethene
Concen: 102.473 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 96 Resp: 206097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 172.9 | 131.0 | 196.6 |
| 98 | 64.0 | 47.7 | 71.5 |



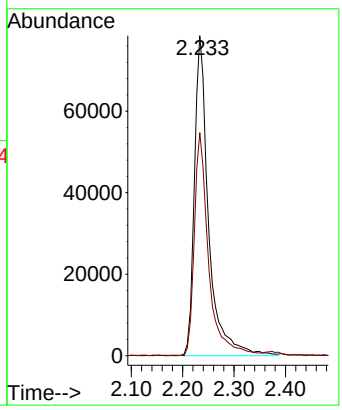


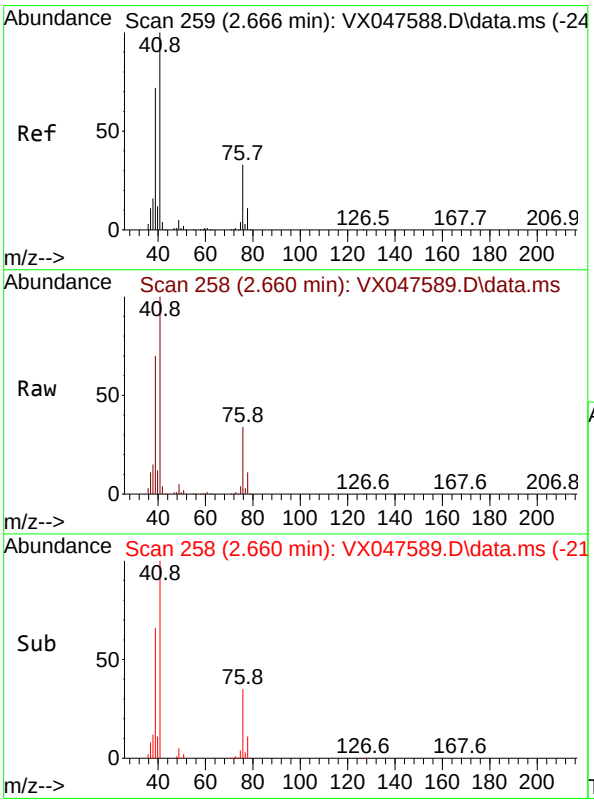

#13
Acrolein
Concen: 545.276 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 150793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.4 | 57.2 | 85.8 |

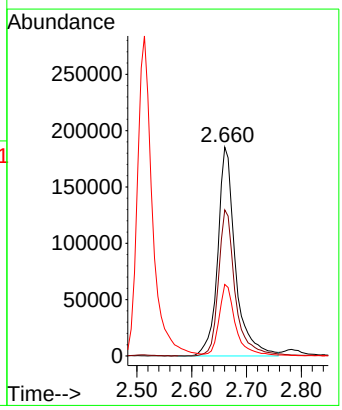


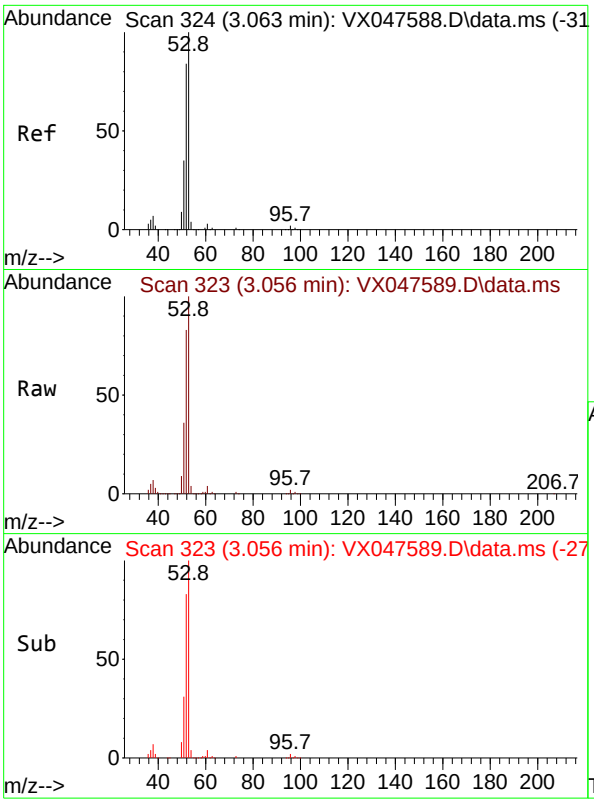




#14
Allyl chloride
Concen: 100.028 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 415140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.0 | 54.7 | 82.1 |
| 76 | 32.2 | 25.7 | 38.5 |



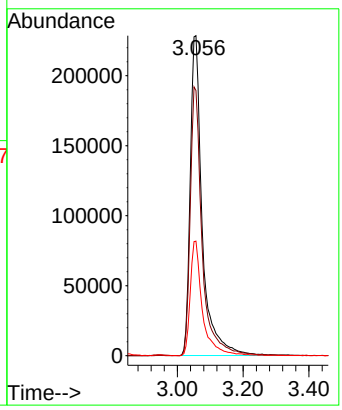


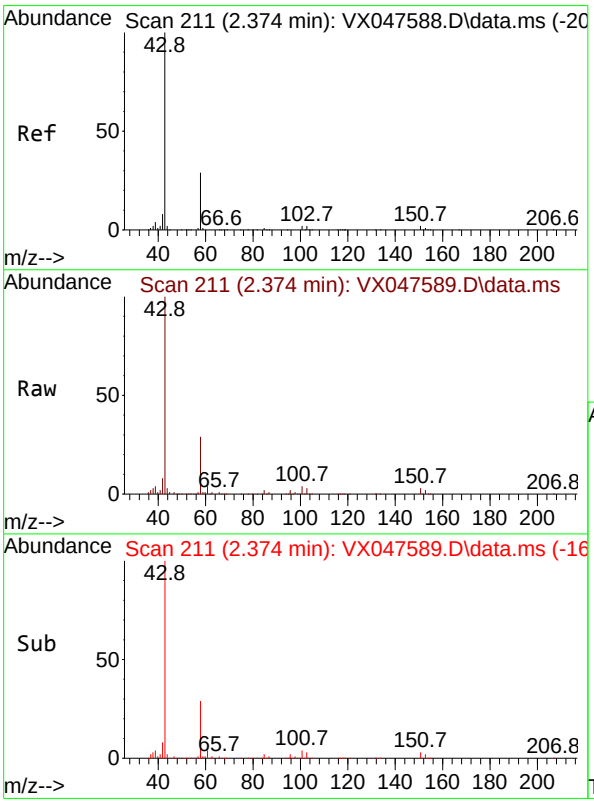

#15
Acrylonitrile
Concen: 522.897 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 53 Resp: 581240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.9 | 66.4 | 99.6 |
| 51 | 36.4 | 29.5 | 44.3 |

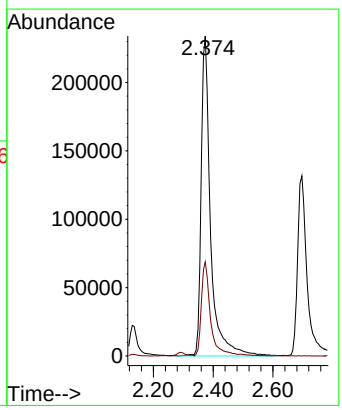


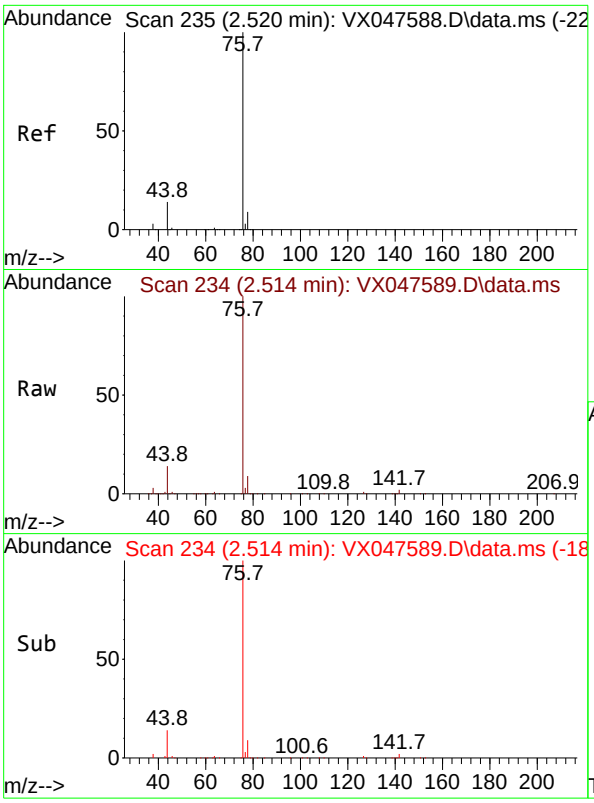




#16
Acetone
Concen: 435.772 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 510542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.4 | 35.0 |



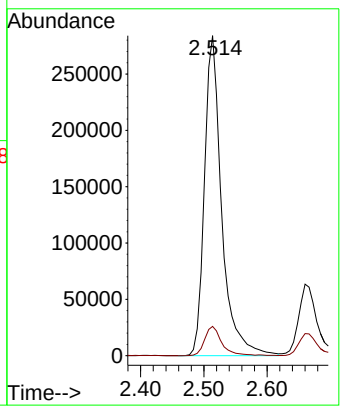


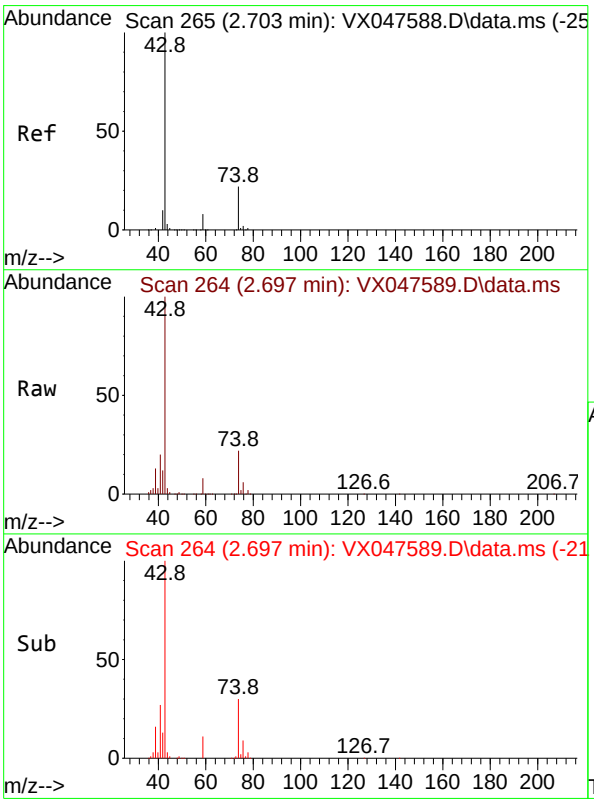

#17
Carbon Disulfide
Concen: 97.693 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 537888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.2 | 6.8 | 10.2 |

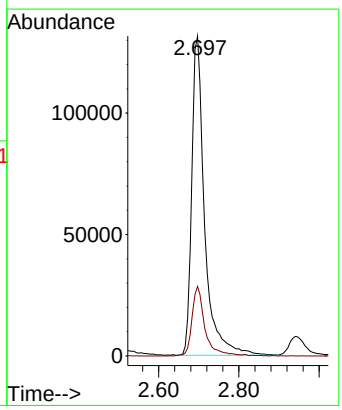


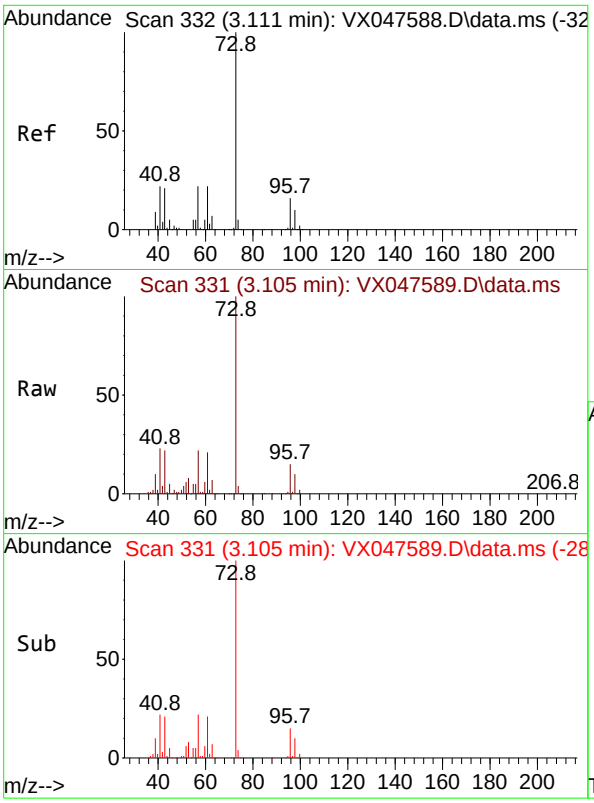




#18
Methyl Acetate
Concen: 112.324 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 292867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |



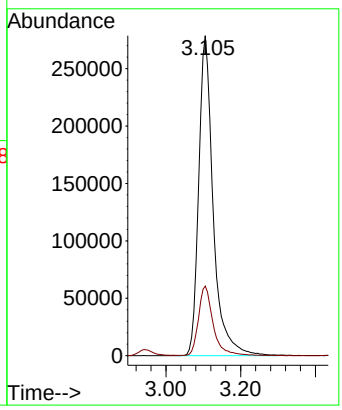


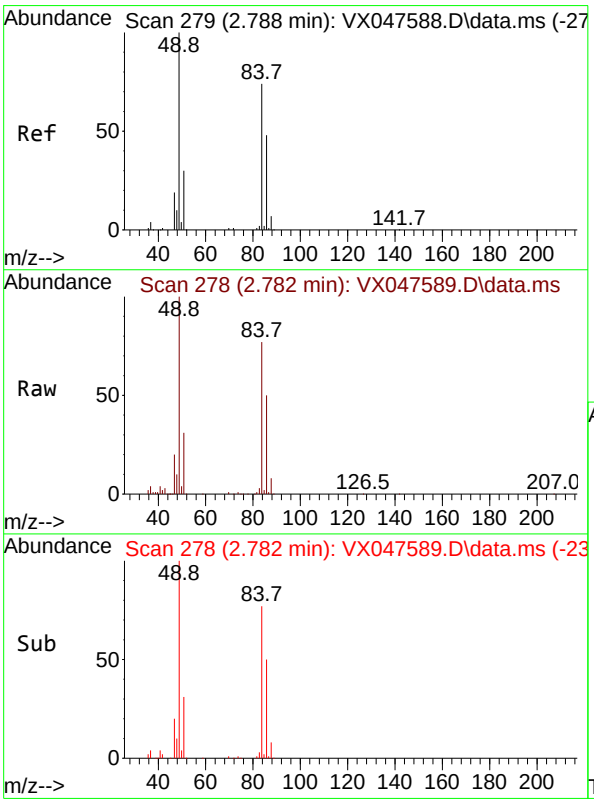

#19
Methyl tert-butyl Ether
Concen: 102.011 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 73 Resp: 748952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.2 |

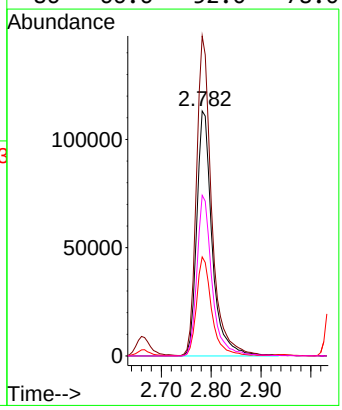


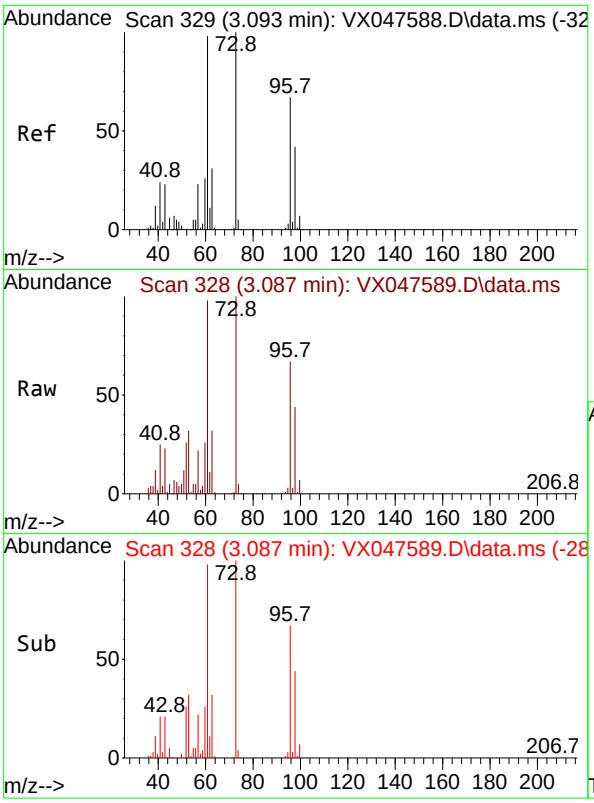




#20
Methylene Chloride
Concen: 97.805 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 84 Resp: 242548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 130.4 | 108.6 | 162.8 |
| 51 | 40.3 | 32.6 | 48.8 |
| 86 | 66.6 | 52.0 | 78.0 |



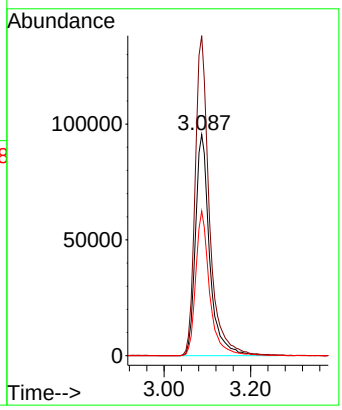


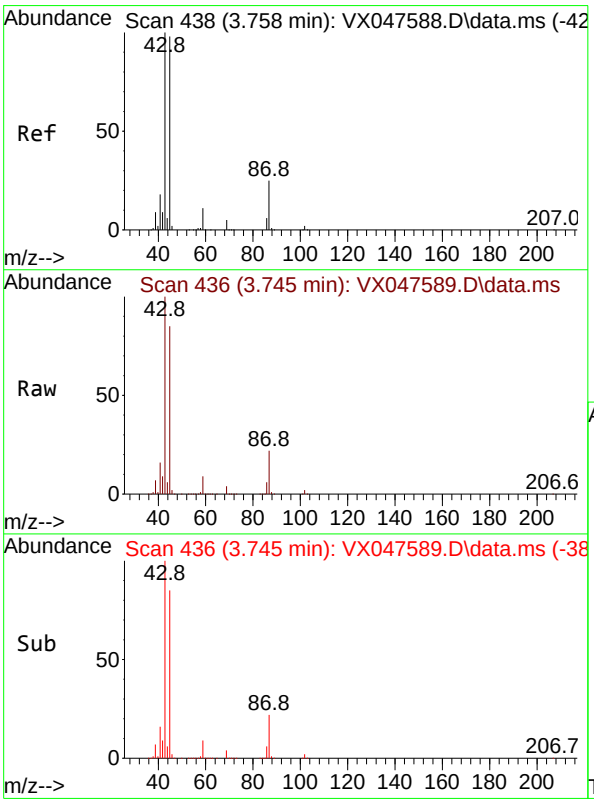

#21
trans-1,2-Dichloroethene
Concen: 100.566 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 217759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.7 | 116.2 | 174.2 |
| 98 | 65.4 | 49.3 | 73.9 |

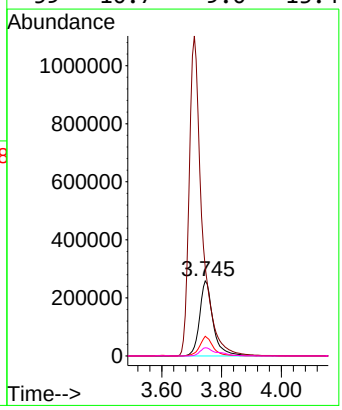


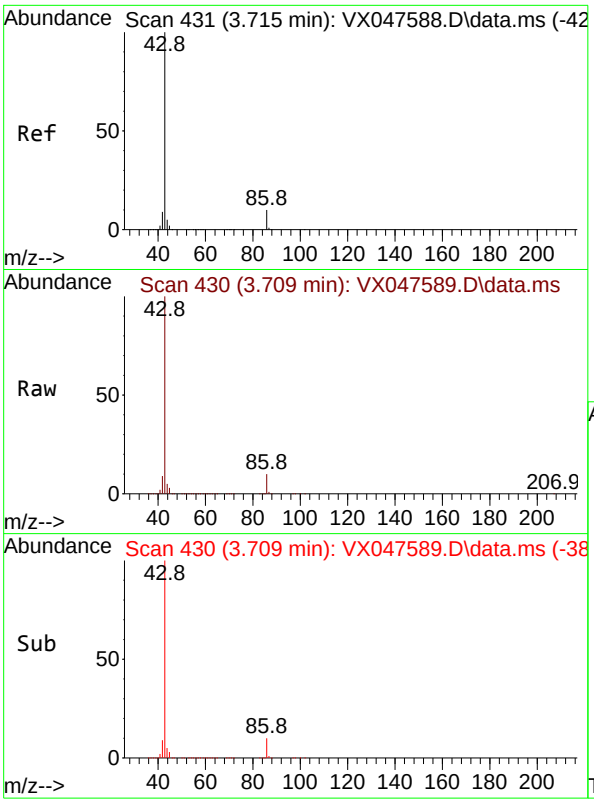




#22
Diisopropyl ether
Concen: 100.934 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 45 Resp: 811840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 117.3 | 81.0 | 121.4 |
| 87 | 26.1 | 20.3 | 30.5 |
| 59 | 10.7 | 9.0 | 13.4 |



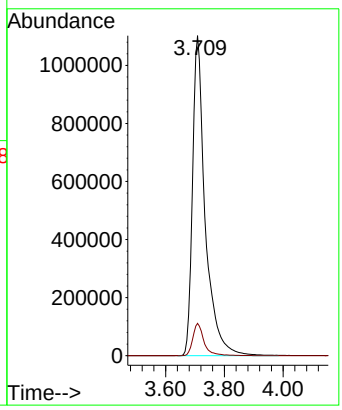


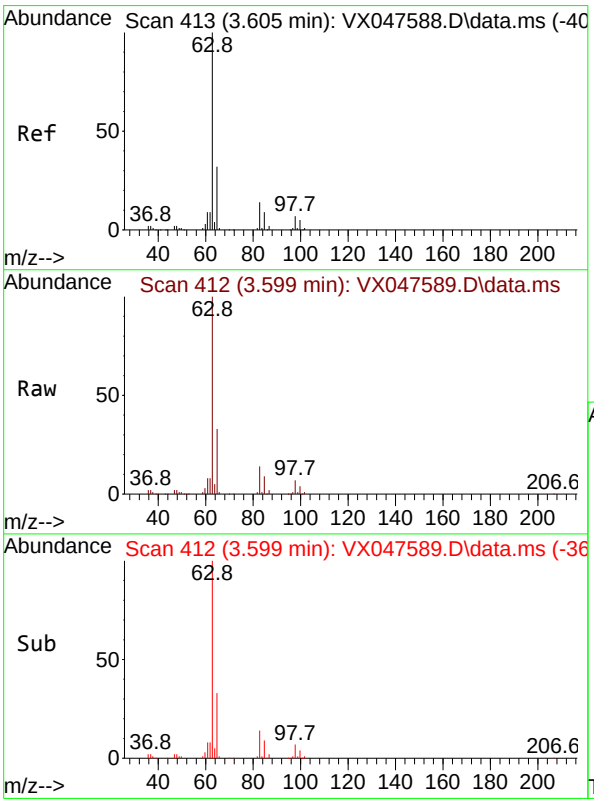

#23
Vinyl Acetate
Concen: 514.916 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 3314707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 7.8 | 11.8 |

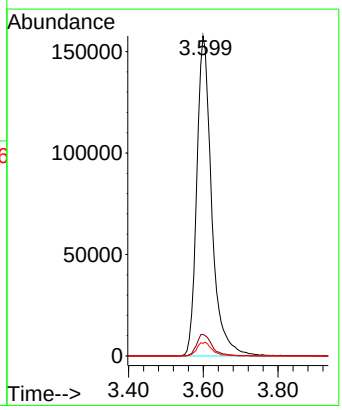


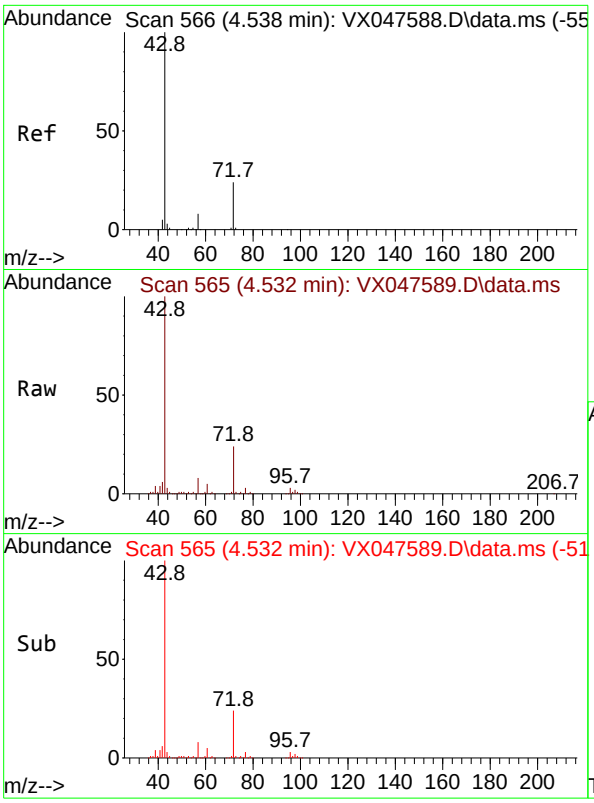




#24
1,1-Dichloroethane
Concen: 101.944 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 435815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.7 | 3.8 | 11.2 |
| 100 | 4.0 | 2.3 | 6.9 |



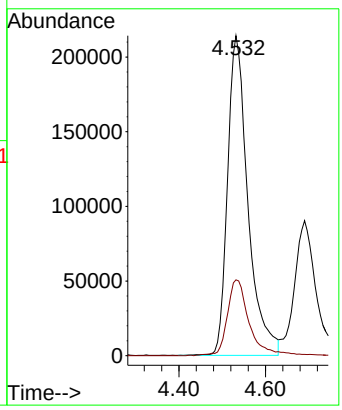


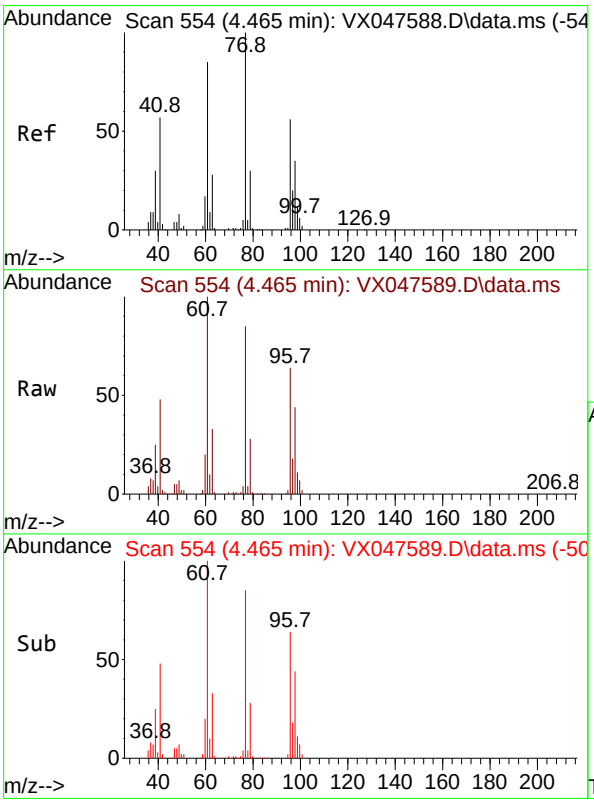

#25
2-Butanone
Concen: 479.558 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 700827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.8 | 20.1 | 30.1 |

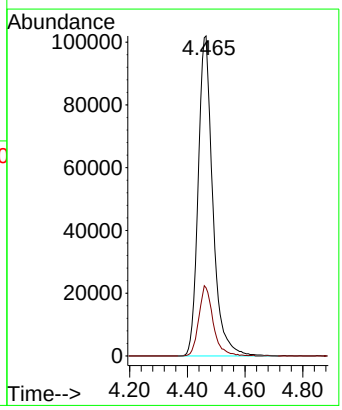


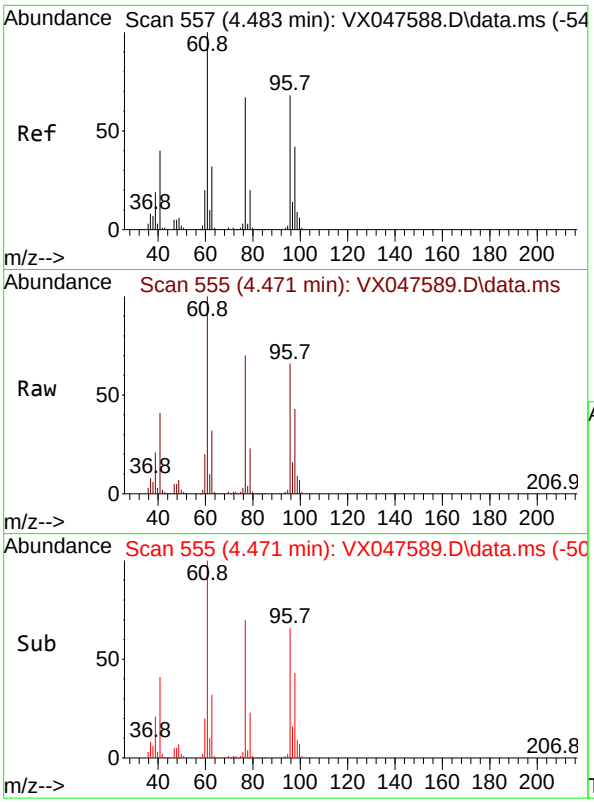




#26
2,2-Dichloropropane
Concen: 100.542 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 77 Resp: 357292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 21.6 | 10.9 | 32.7 |



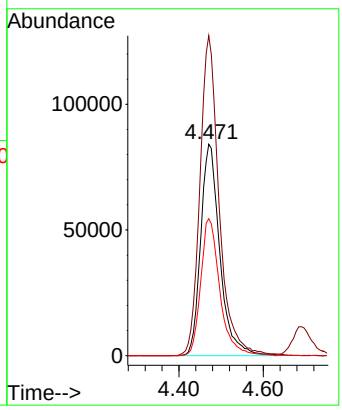


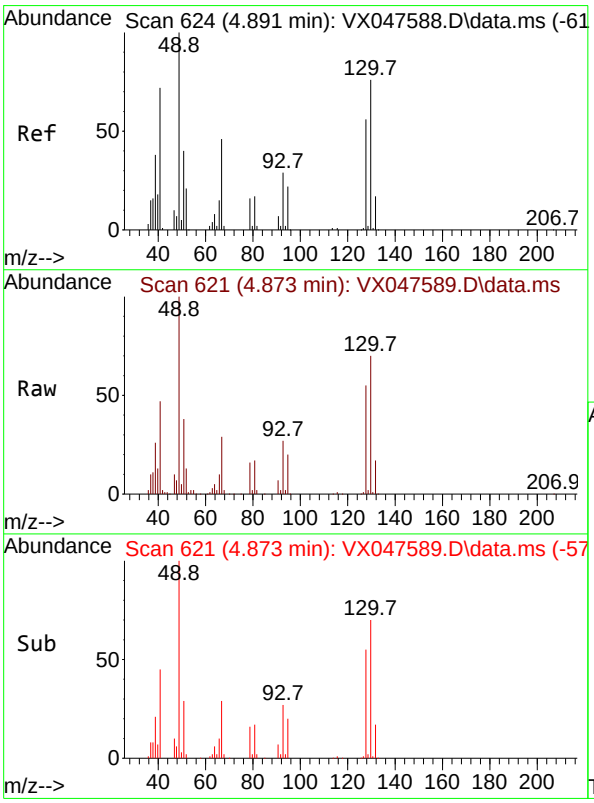

#27
cis-1,2-Dichloroethene
Concen: 100.516 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 96 Resp: 266550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 151.5 | 0.0 | 303.2 |
| 98 | 64.4 | 0.0 | 127.8 |

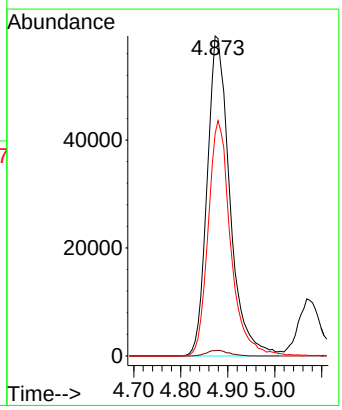


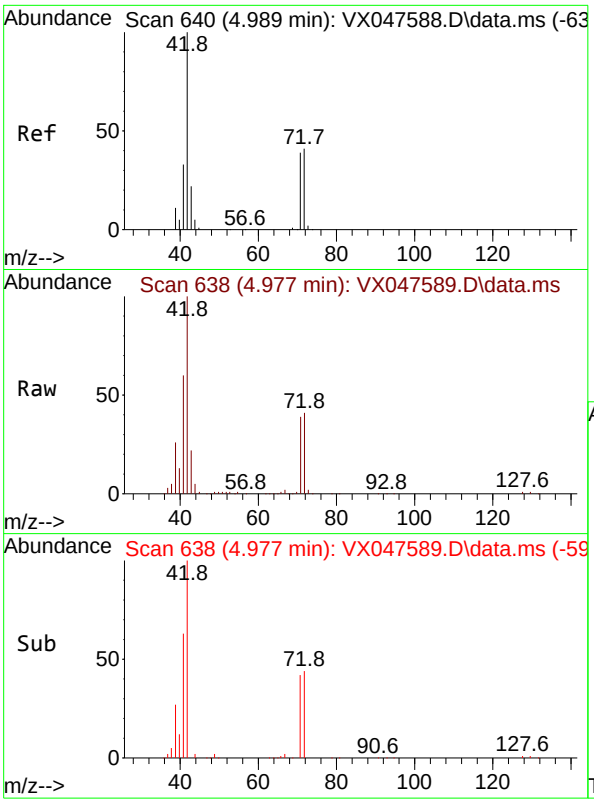




#28
Bromochloromethane
Concen: 106.512 ug/l
RT: 4.873 min Scan# 621
Delta R.T. -0.018 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 49 Resp: 198788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |



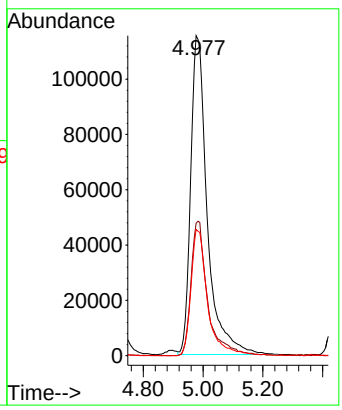


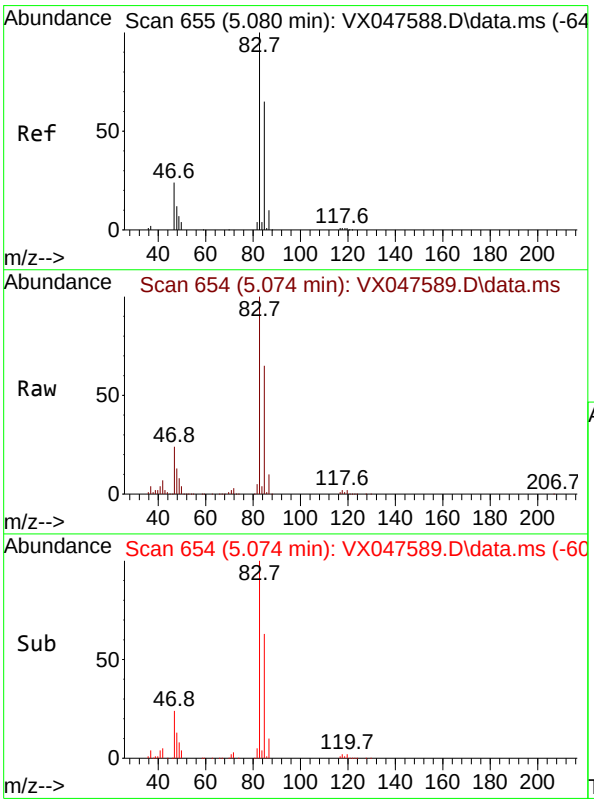

#29
Tetrahydrofuran
Concen: 504.502 ug/l
RT: 4.977 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 42 Resp: 443530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.4 | 34.2 | 51.2 |
| 71 | 39.5 | 31.9 | 47.9 |

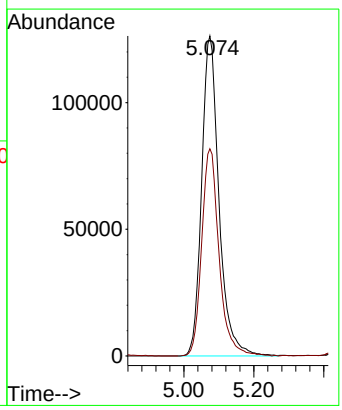


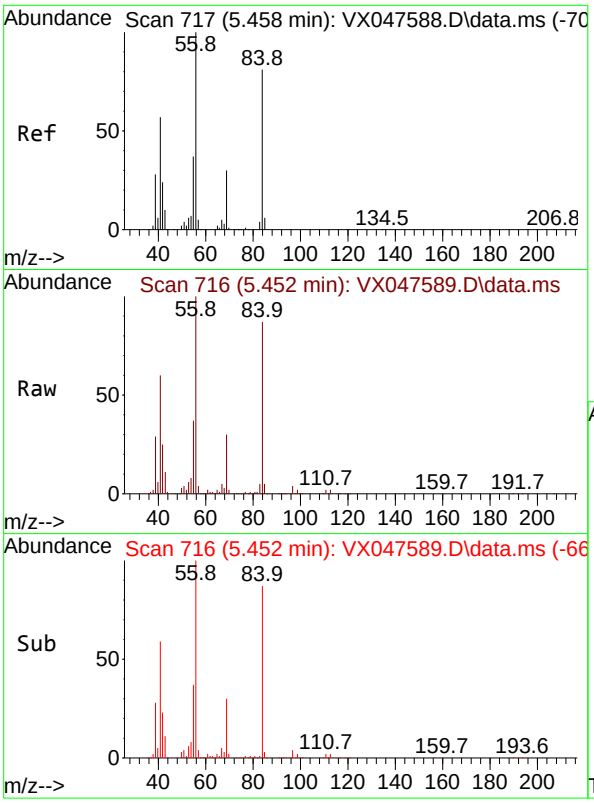




#30
Chloroform
Concen: 100.447 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 83 Resp: 433937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.8 | 51.8 | 77.6 |



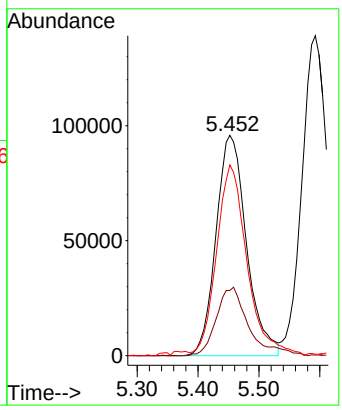


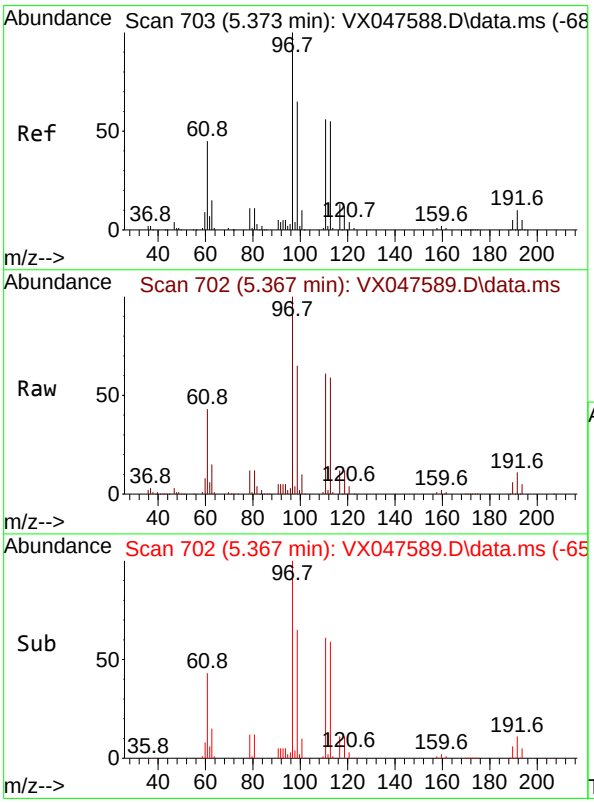

#31
Cyclohexane
Concen: 93.523 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 56 Resp: 332995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.0 | 23.8 | 35.8 |
| 84 | 84.7 | 64.6 | 97.0 |

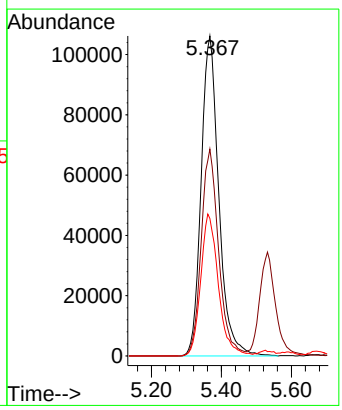


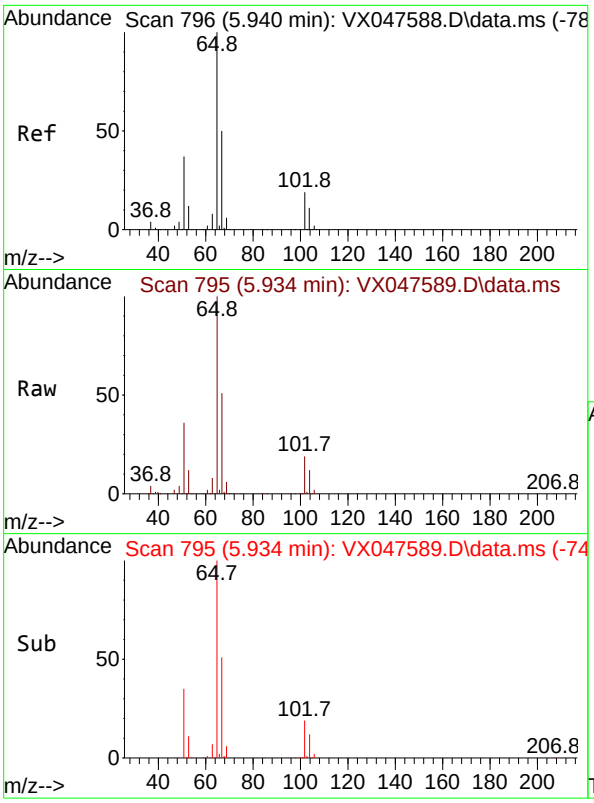




#32
1,1,1-Trichloroethane
Concen: 101.607 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 97 Resp: 372323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 50.6 | 76.0 |
| 61 | 44.4 | 35.8 | 53.8 |



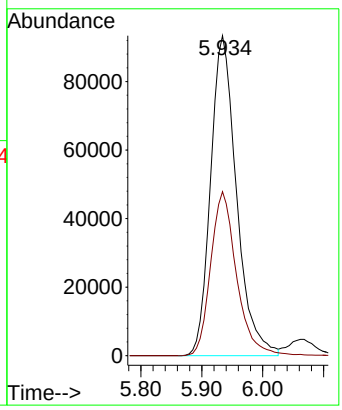


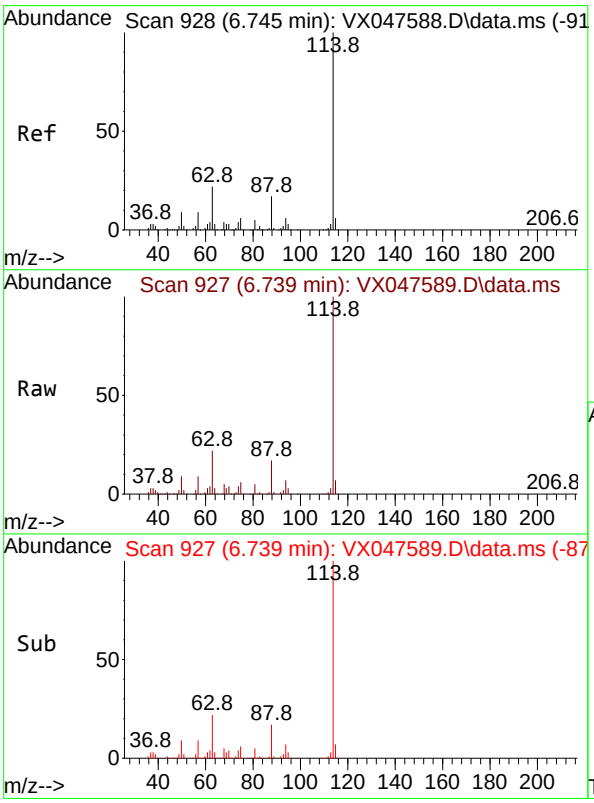

#33
1,2-Dichloroethane-d4
Concen: 102.341 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 65 Resp: 275758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.3 | 0.0 | 103.0 |

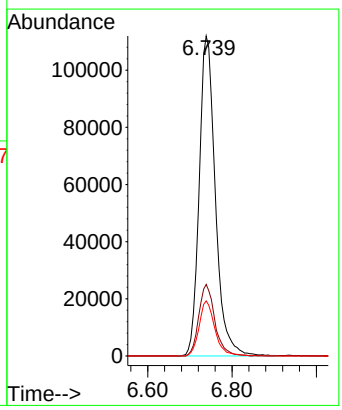


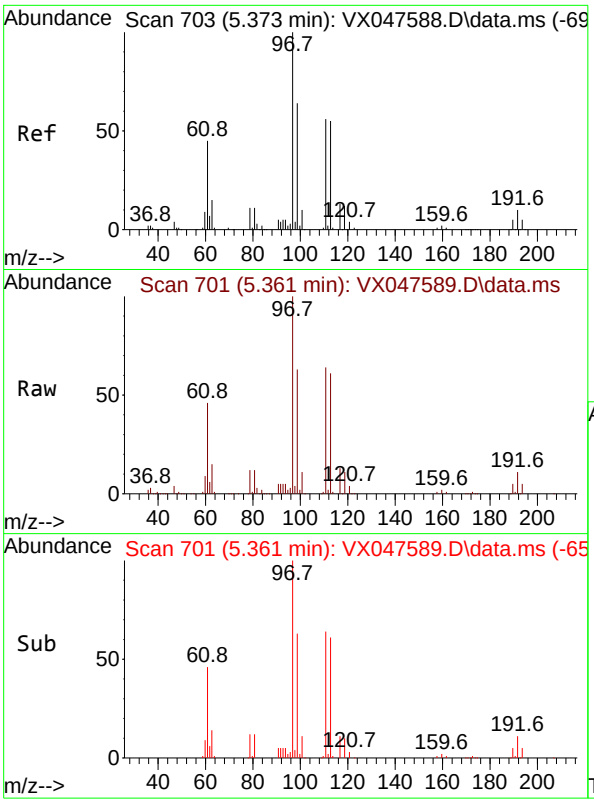




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:114 Resp: 298913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 17.2 | 0.0 | 34.2 |



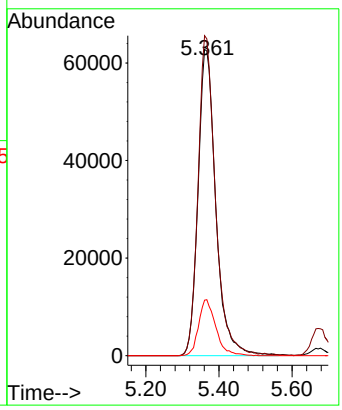


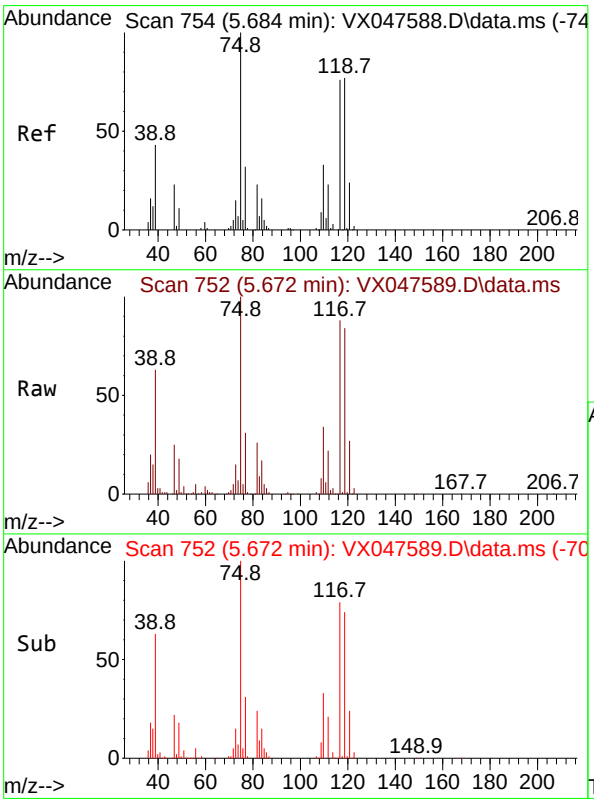

#35
Dibromofluoromethane
Concen: 105.962 ug/l
RT: 5.361 min Scan# 7(
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:113 Resp: 212419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 80.9 | 121.3 |
| 192 | 17.7 | 14.2 | 21.4 |

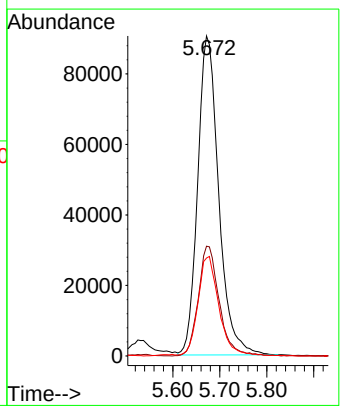


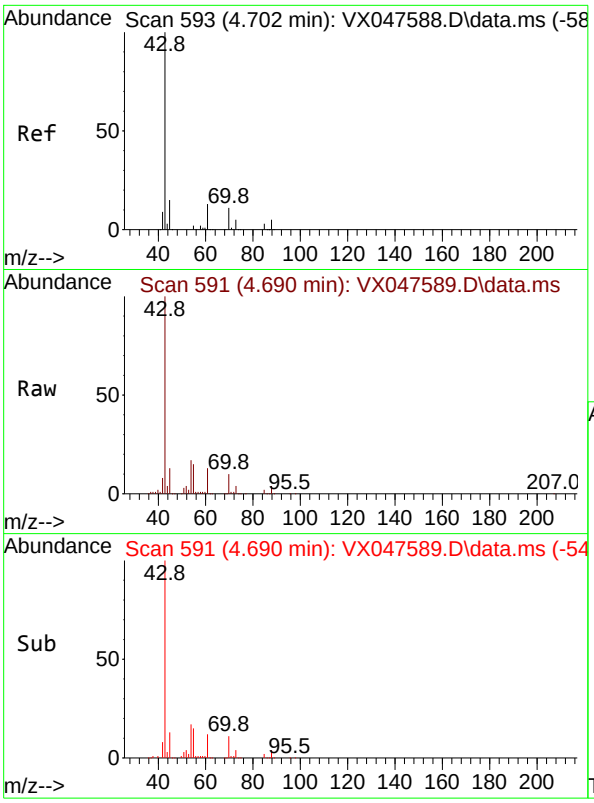




#36
1,1-Dichloropropene
Concen: 96.149 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 281650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.3 | 16.7 | 50.1 |
| 77 | 31.3 | 24.3 | 36.5 |



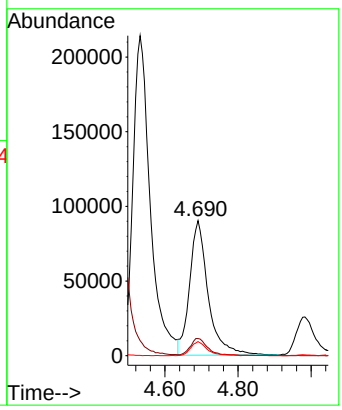


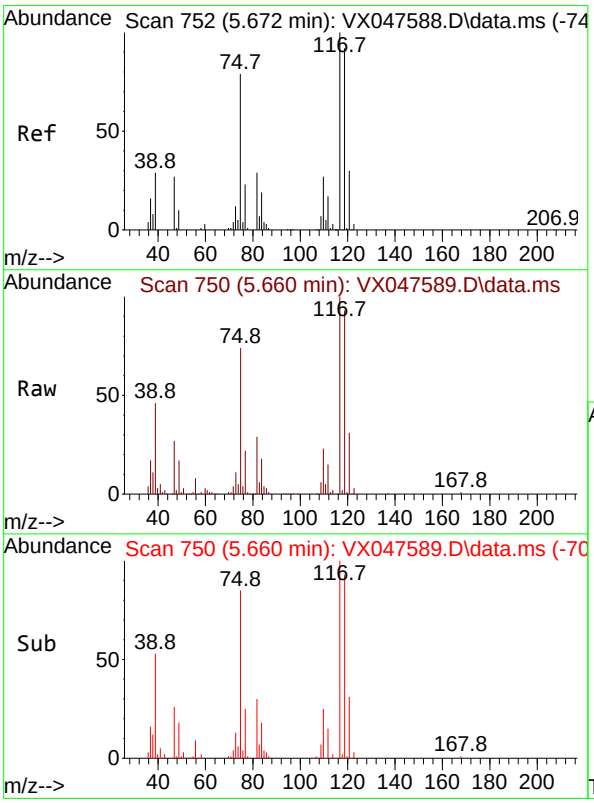

#37
Ethyl Acetate
Concen: 101.641 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 318793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.0 | 9.8 | 14.8 |
| 70 | 9.4 | 7.9 | 11.9 |

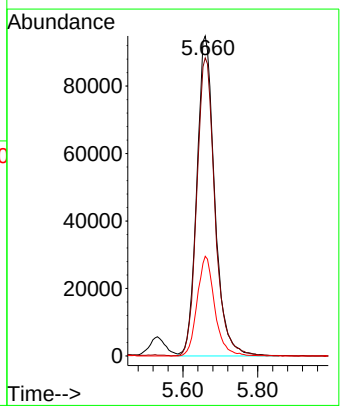


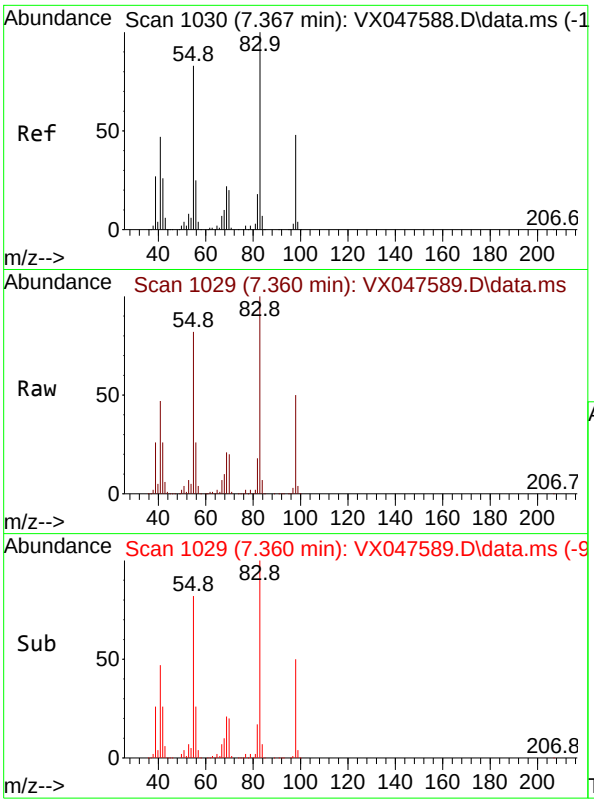




#38
Carbon Tetrachloride
Concen: 98.891 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 314745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.0 | 73.4 | 110.2 |
| 121 | 31.2 | 23.8 | 35.6 |



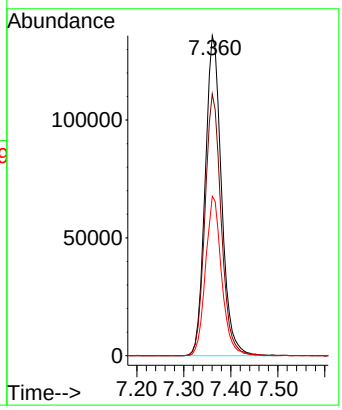


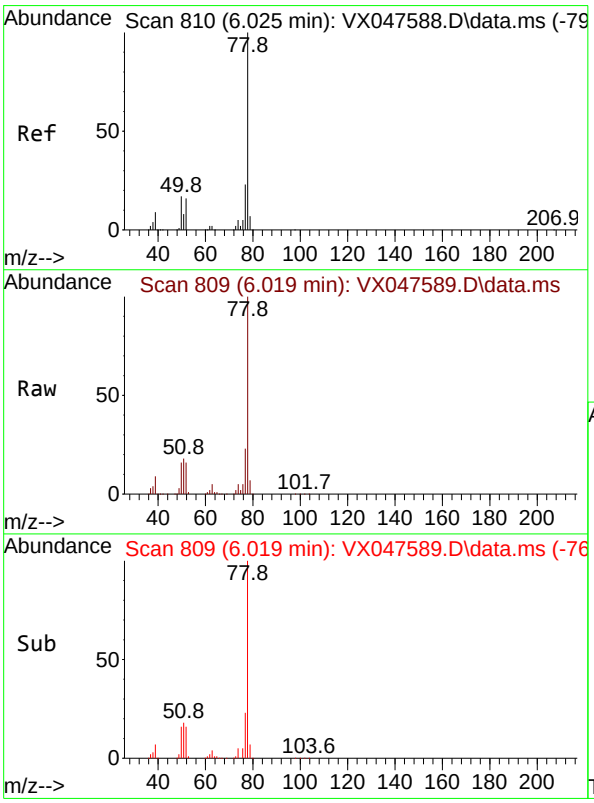

#39
Methylcyclohexane
Concen: 98.600 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 327858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.8 | 66.4 | 99.6 |
| 98 | 49.8 | 38.1 | 57.1 |

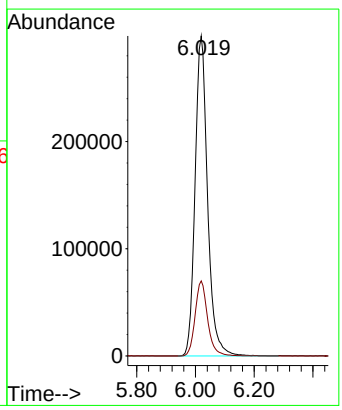


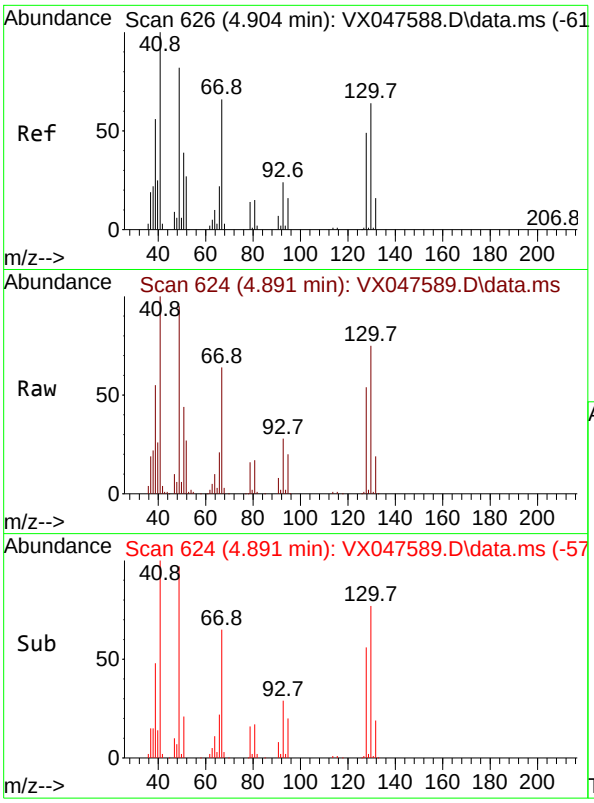




#40
Benzene
Concen: 99.009 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 78 Resp: 880885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



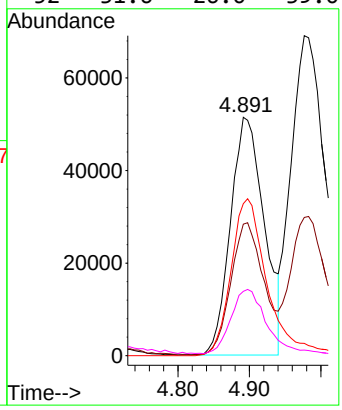


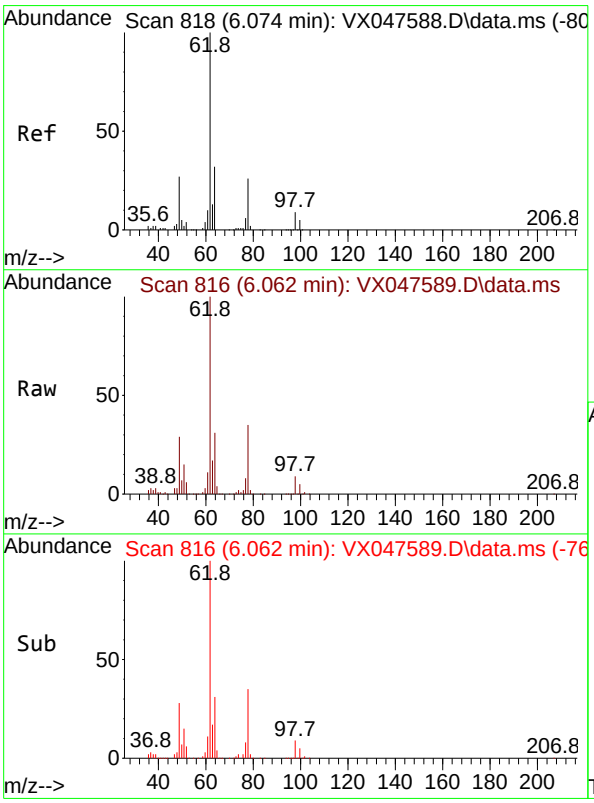

#41
Methacrylonitrile
Concen: 104.220 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 41 Resp: 168753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.6 | 43.3 | 64.9 |
| 67 | 72.1 | 58.6 | 87.8 |
| 52 | 31.6 | 26.0 | 39.0 |

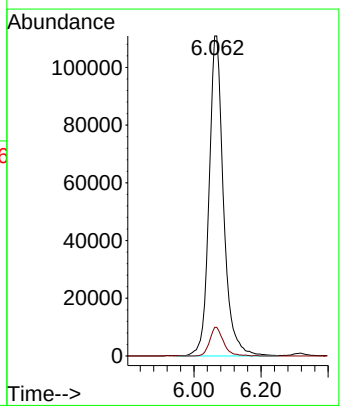


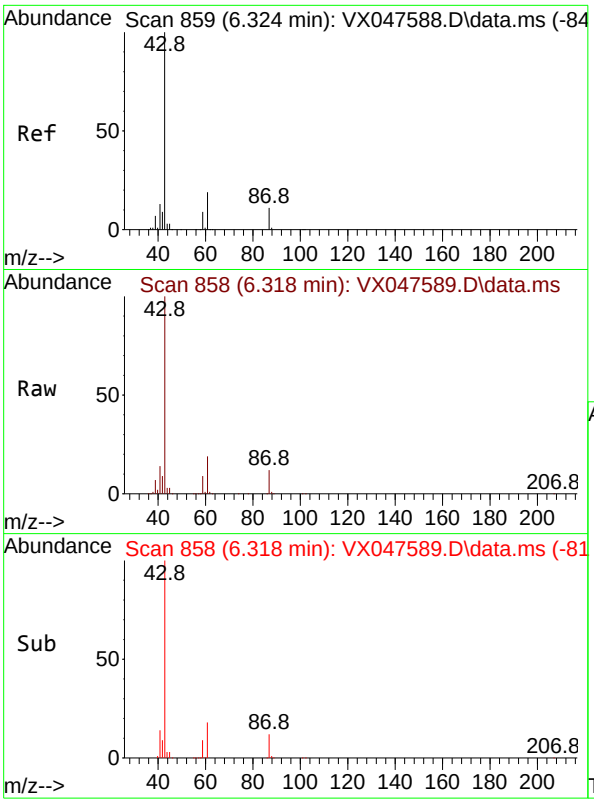




#42
1,2-Dichloroethane
Concen: 97.916 ug/l
RT: 6.062 min Scan# 816
Delta R.T. -0.012 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 62 Resp: 331465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.6 | 0.0 | 17.0 |



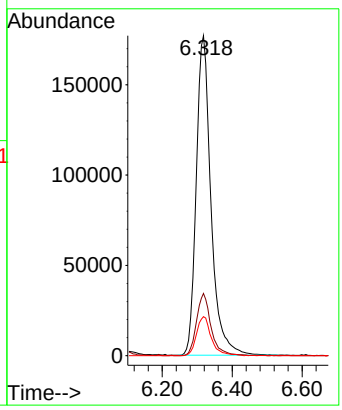


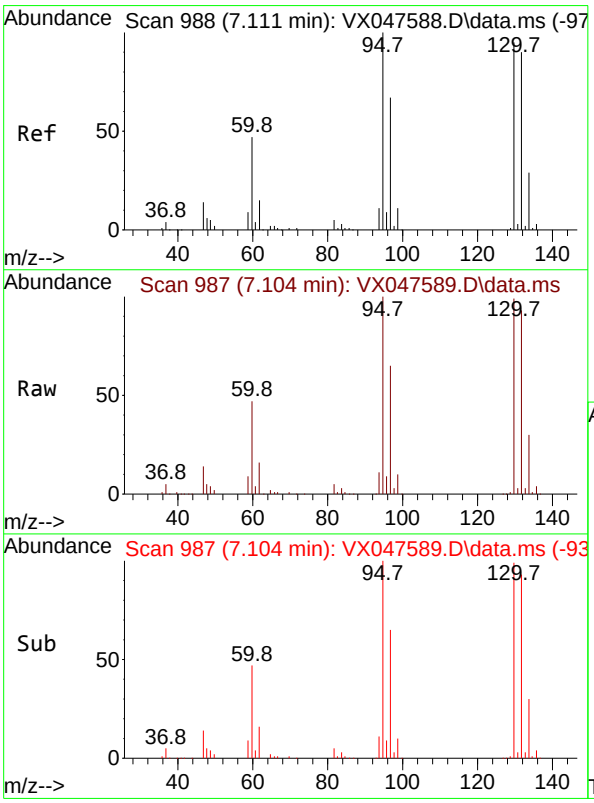

#43
Isopropyl Acetate
Concen: 100.482 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 516875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.3 | 9.6 | 14.4 |

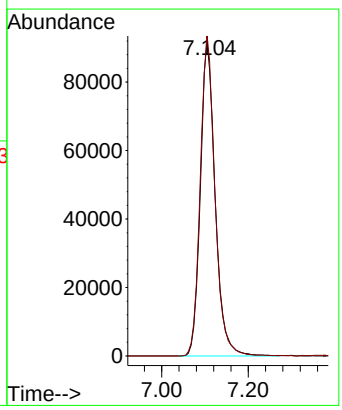


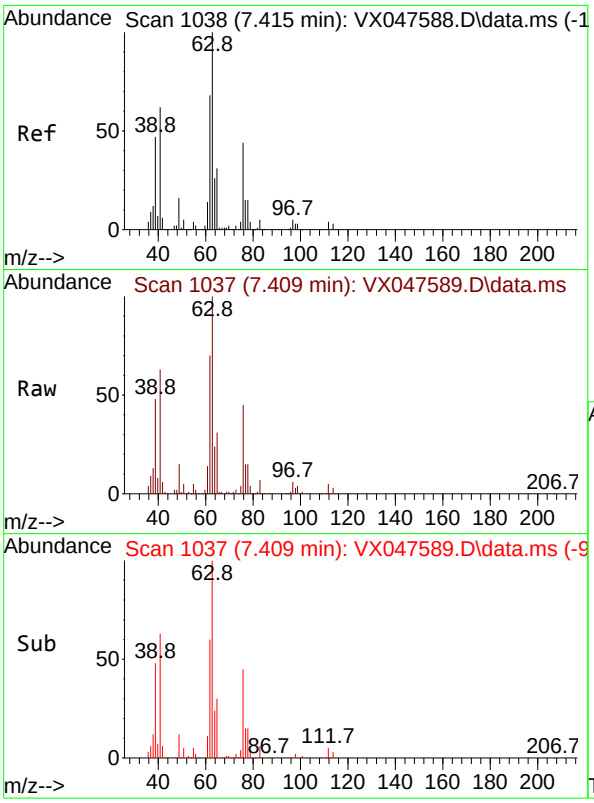




#44
Trichloroethene
Concen: 101.234 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:130 Resp: 217753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.4 | 0.0 | 210.8 |



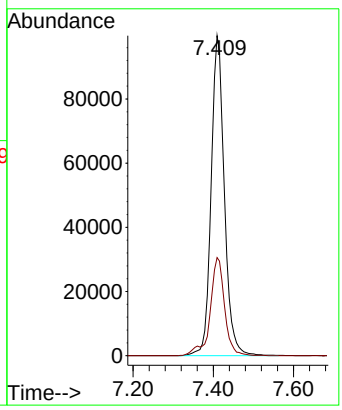


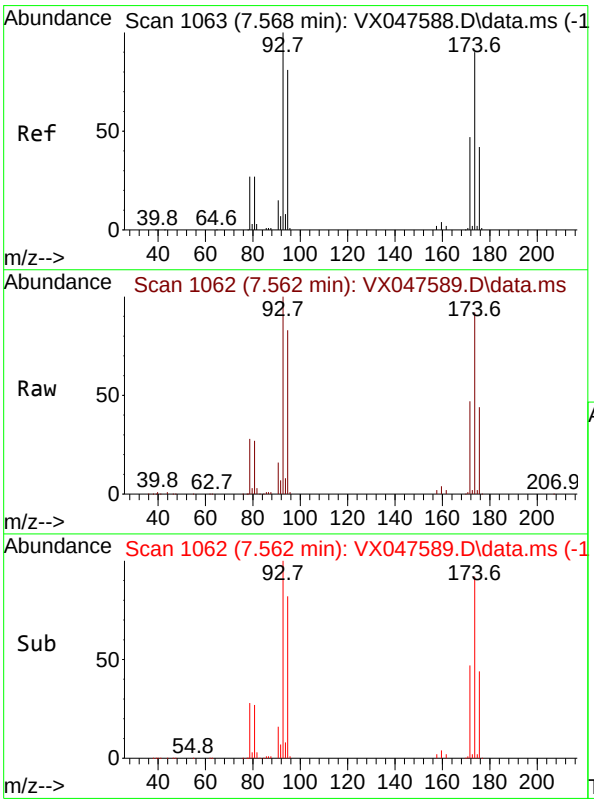

#45
1,2-Dichloropropane
Concen: 100.145 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 63 Resp: 228150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |

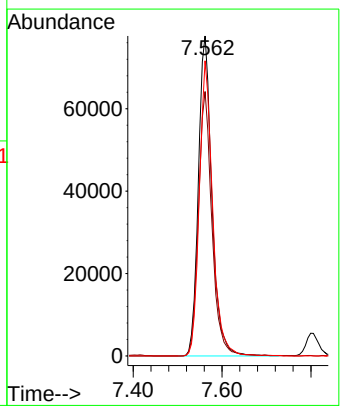


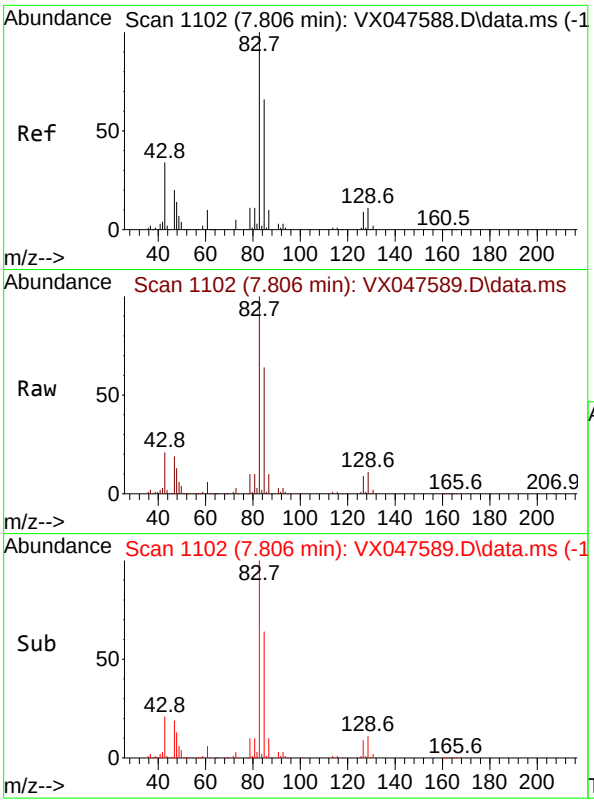




#46
Dibromomethane
Concen: 99.519 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 93 Resp: 164987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.1 | 65.0 | 97.6 |
| 174 | 90.5 | 71.6 | 107.4 |



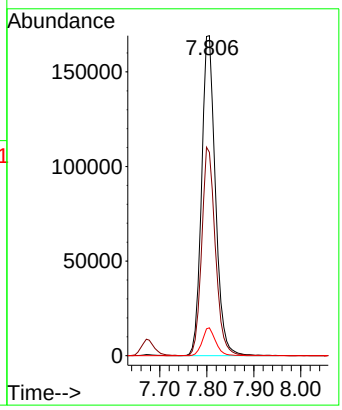


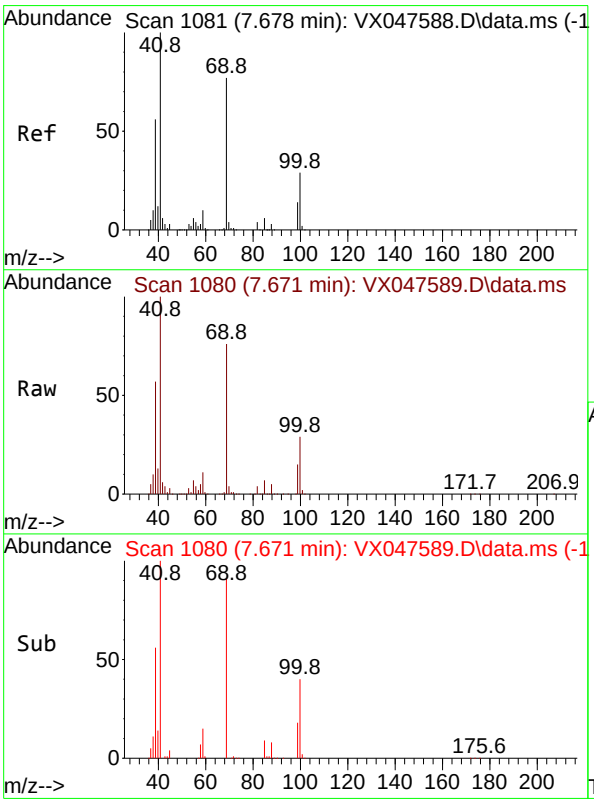

#47
Bromodichloromethane
Concen: 101.136 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 345991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.5 | 52.5 | 78.7 |
| 127 | 8.7 | 6.9 | 10.3 |

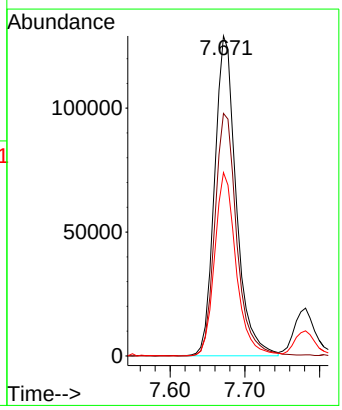


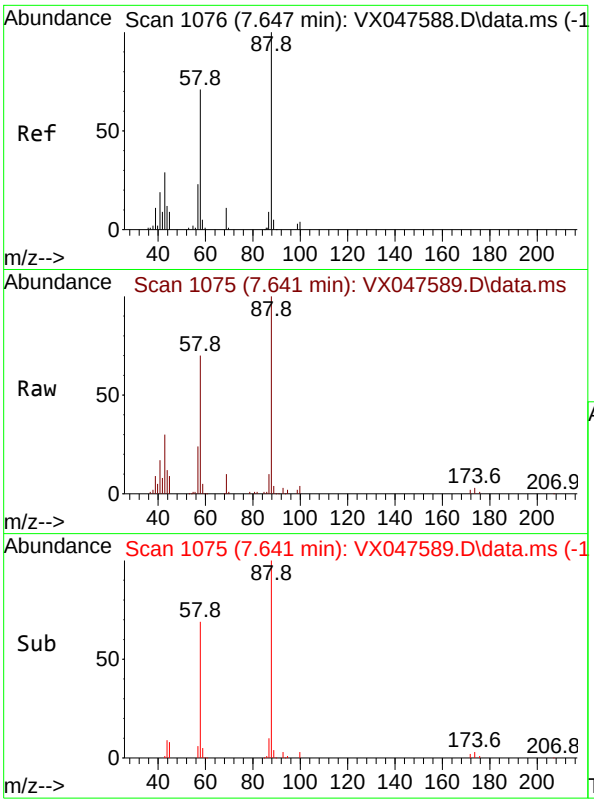




#48
Methyl methacrylate
Concen: 101.612 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 41 Resp: 260358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.1 | 61.4 | 92.2 |
| 39 | 57.0 | 45.8 | 68.6 |



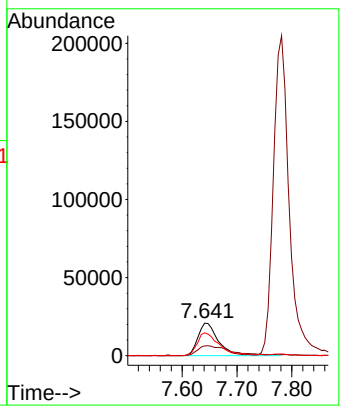


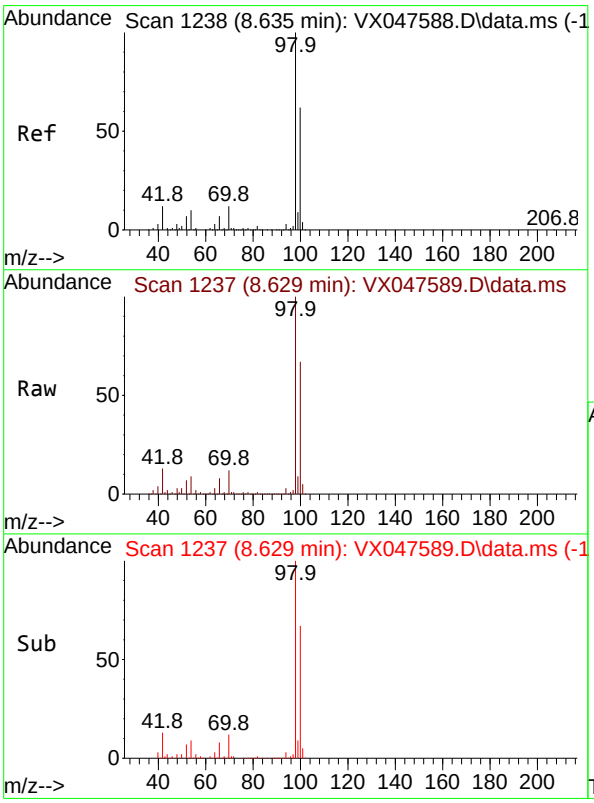

#49
1,4-Dioxane
Concen: 2190.315 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 88 Resp: 56717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.4 | 30.2 | 45.2 |
| 58 | 74.0 | 59.5 | 89.3 |

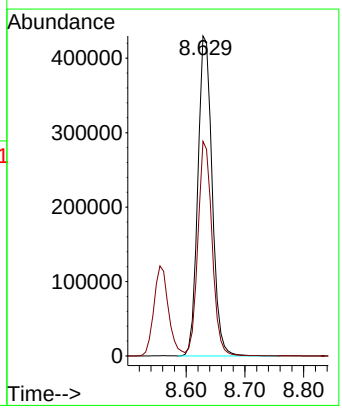


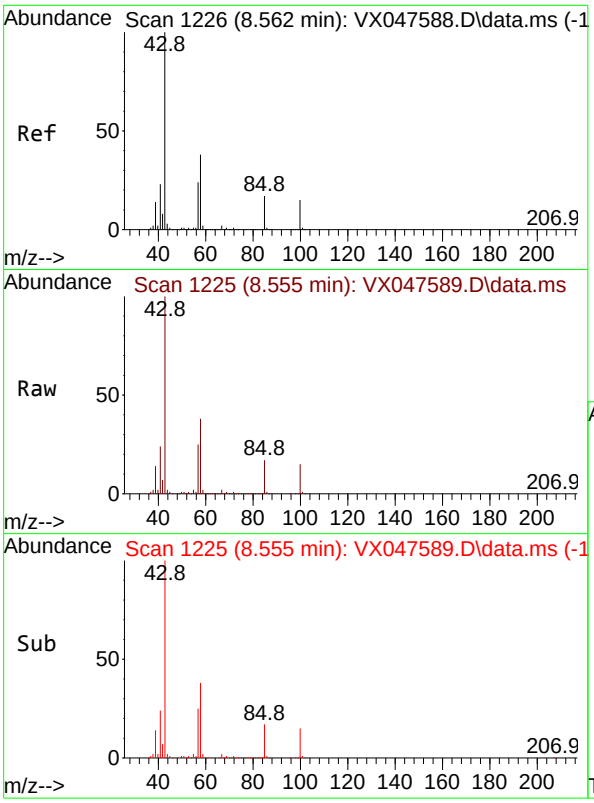




#50
Toluene-d8
Concen: 104.386 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 98 Resp: 724078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |



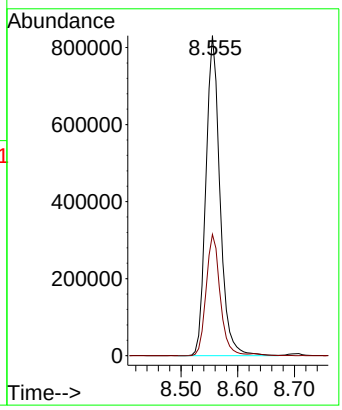


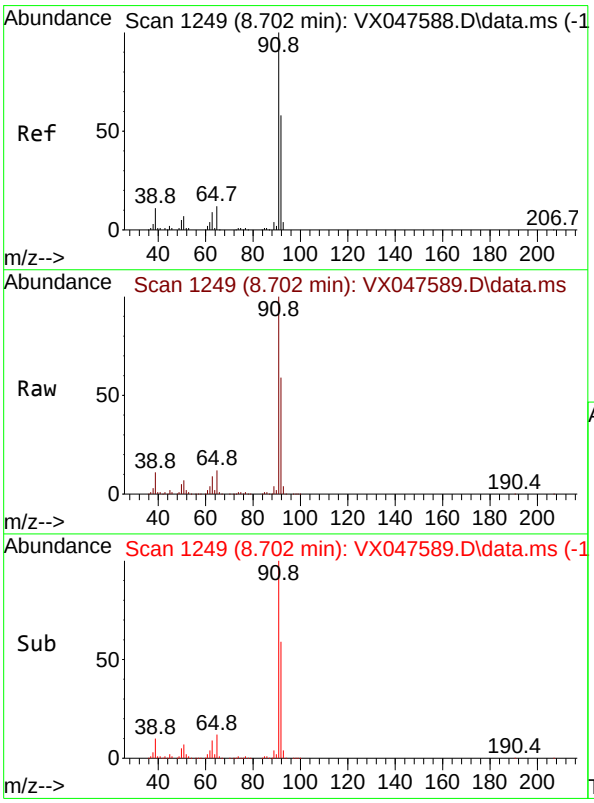

#51
4-Methyl-2-Pentanone
Concen: 501.834 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 1431253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |

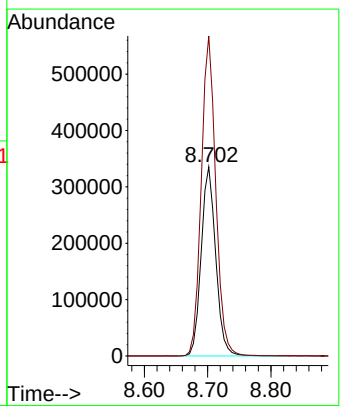


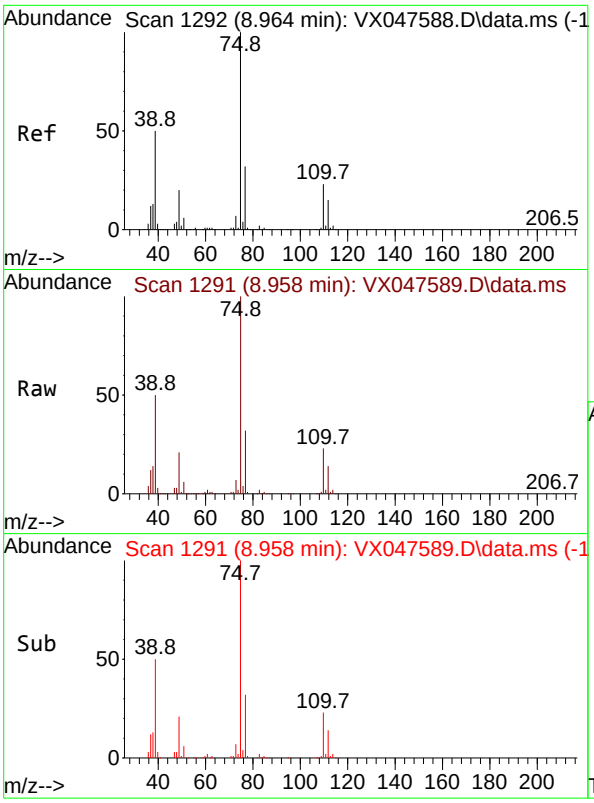




#52
Toluene
Concen: 97.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 92 Resp: 536148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.3 | 137.1 | 205.7 |



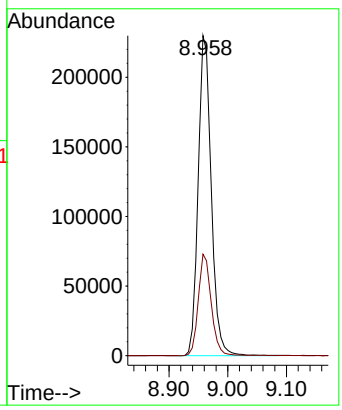


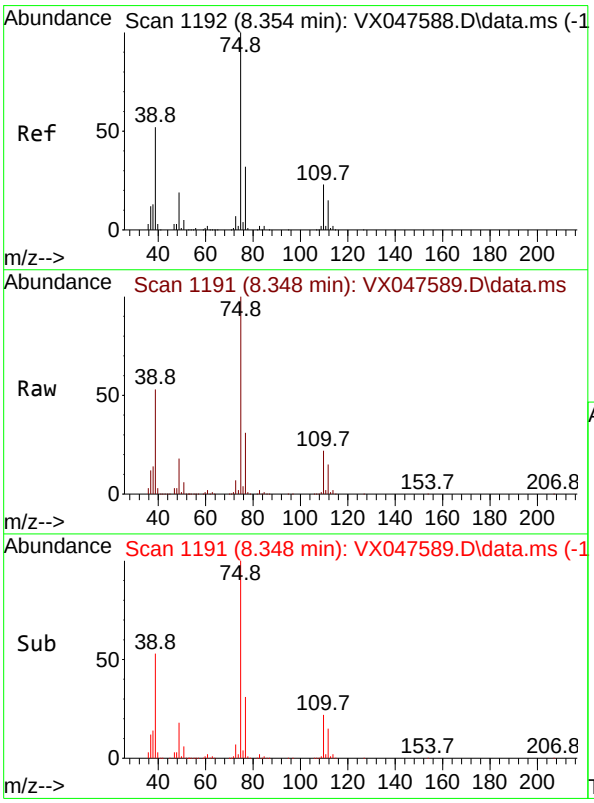

#53
t-1,3-Dichloropropene
Concen: 101.986 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 355881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.2 |

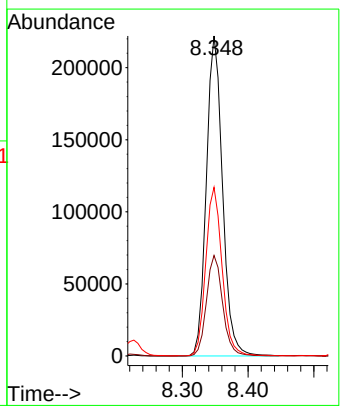


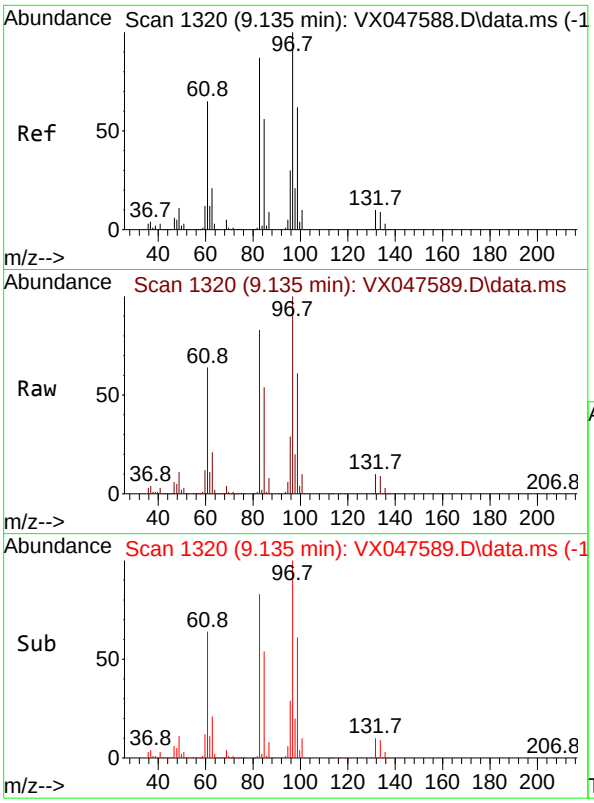




#54
cis-1,3-Dichloropropene
Concen: 102.038 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 380577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.4 | 25.8 | 38.6 |
| 39 | 52.3 | 41.4 | 62.2 |



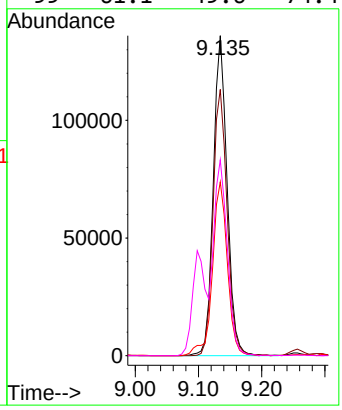


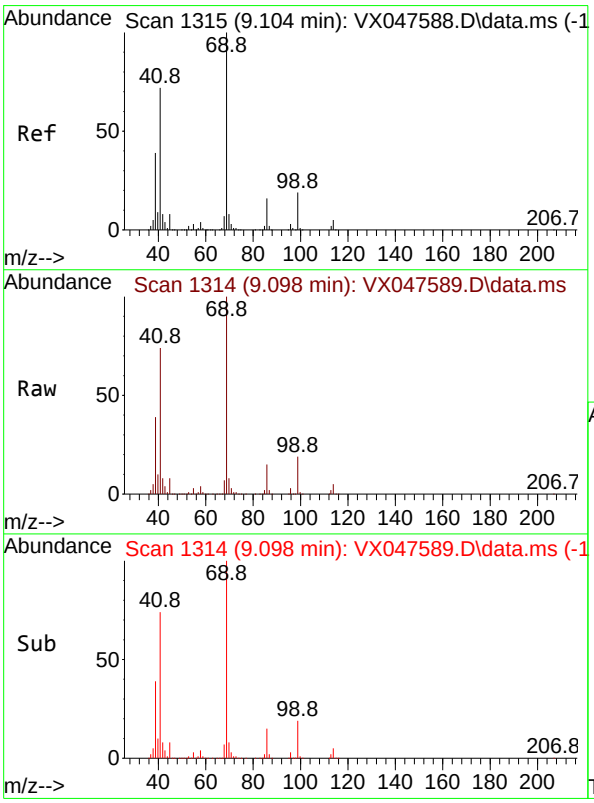

#55
1,1,2-Trichloroethane
Concen: 97.434 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 97 Resp: 205939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 83.2 | 69.6 | 104.4 |
| 85 | 54.3 | 45.0 | 67.6 |
| 99 | 61.1 | 49.6 | 74.4 |

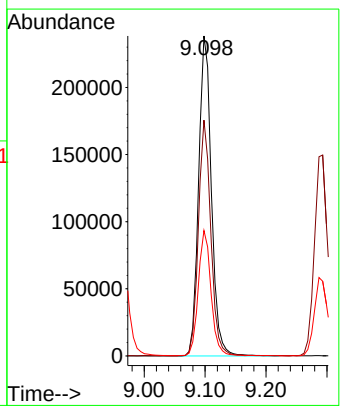


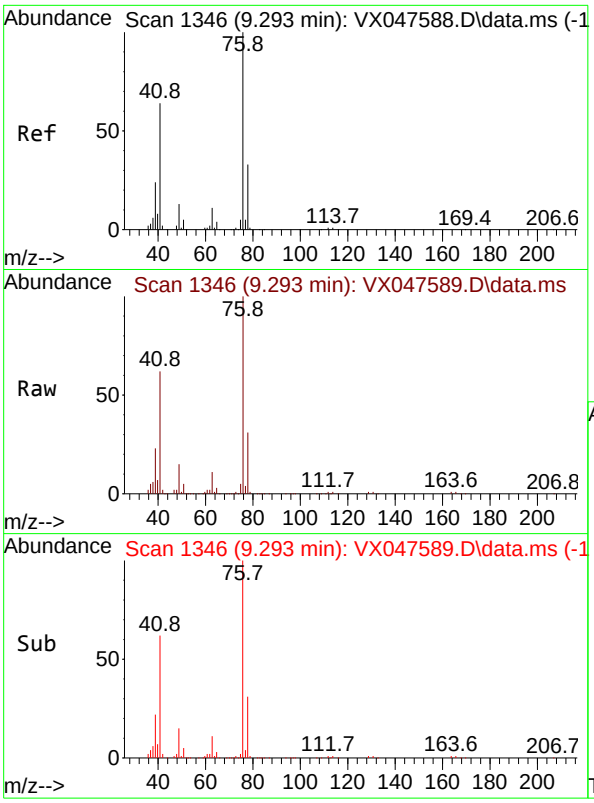




#56
Ethyl methacrylate
Concen: 104.435 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 69 Resp: 346659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 58.6 | 87.8 |
| 39 | 39.0 | 31.5 | 47.3 |



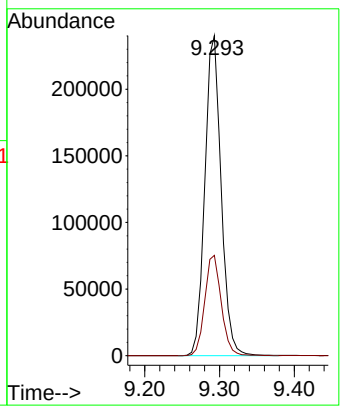


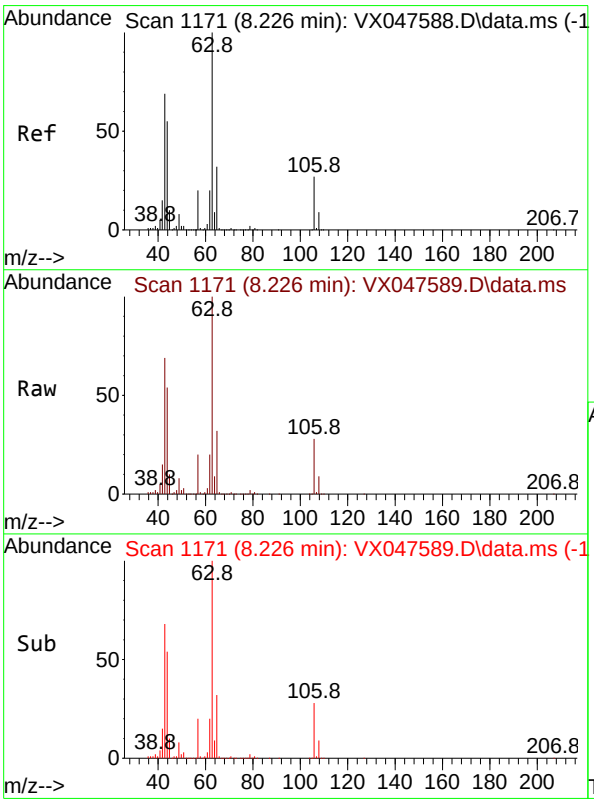

#57
1,3-Dichloropropane
Concen: 99.935 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 76 Resp: 362848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.8 | 26.2 | 39.4 |

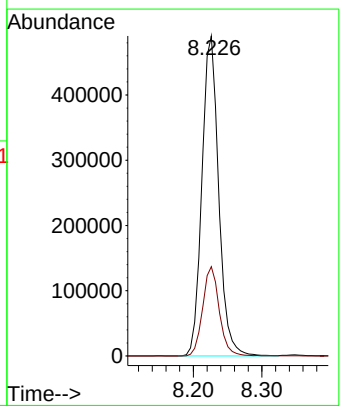


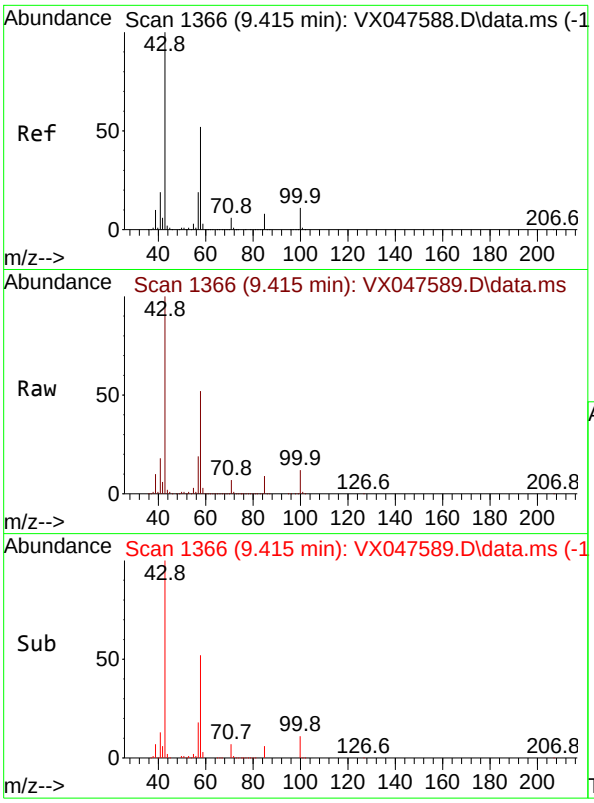




#58
2-Chloroethyl Vinyl ether
Concen: 499.814 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 63 Resp: 836362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



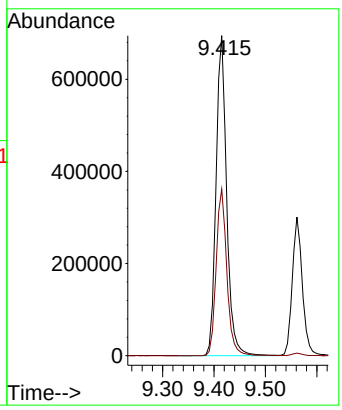


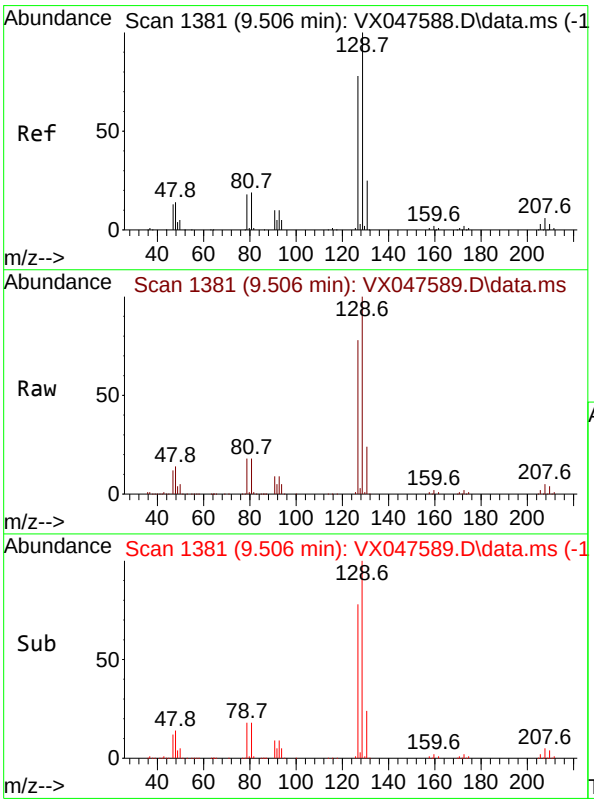

#59
2-Hexanone
Concen: 486.380 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 43 Resp: 996274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.4 | 26.1 | 78.2 |

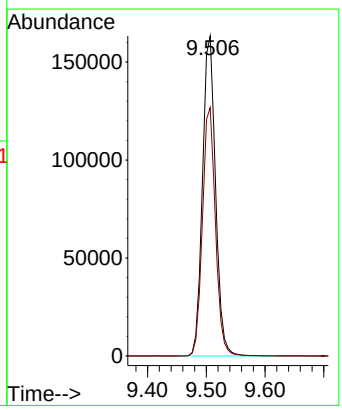


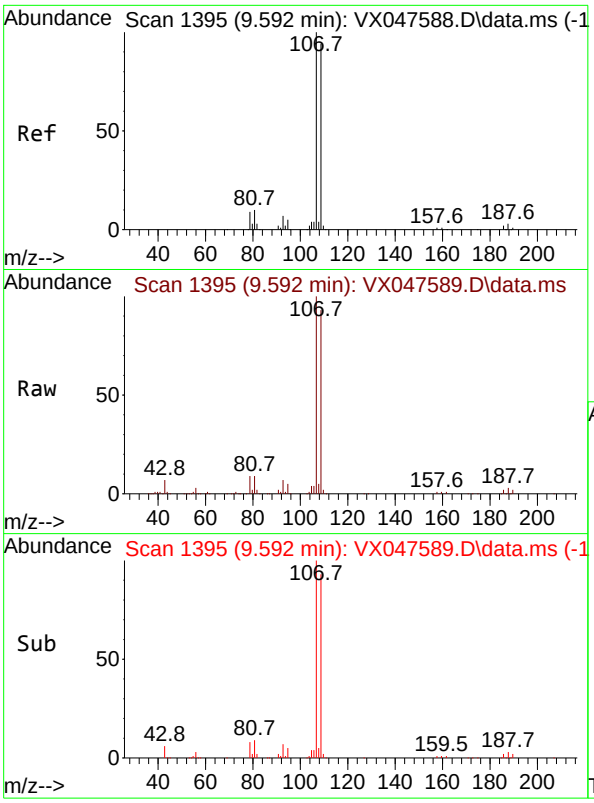




#60
Dibromochloromethane
Concen: 103.226 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:129 Resp: 251394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.5 | 38.4 | 115.2 |



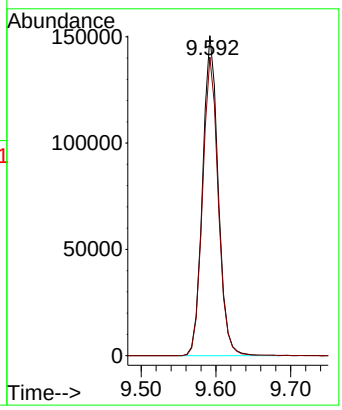


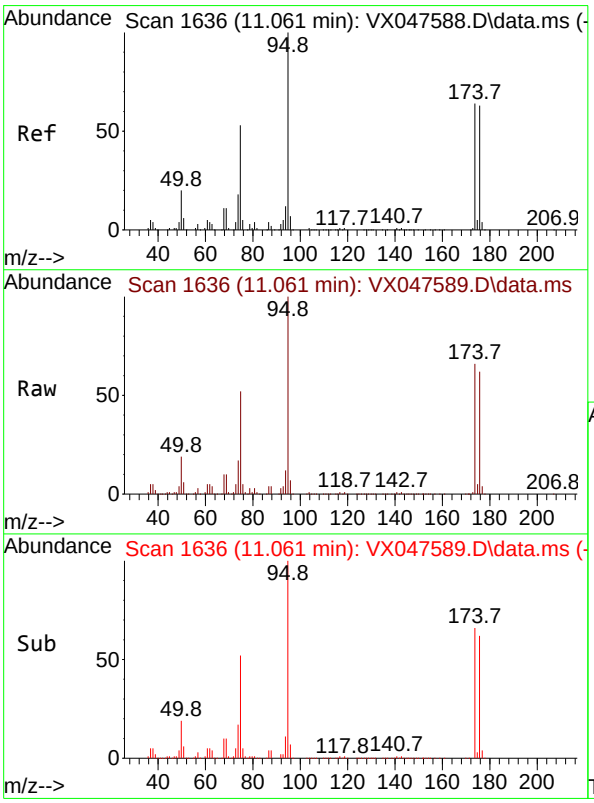

#61
1,2-Dibromoethane
Concen: 101.147 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:107 Resp: 217751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.8 | 75.3 | 112.9 |

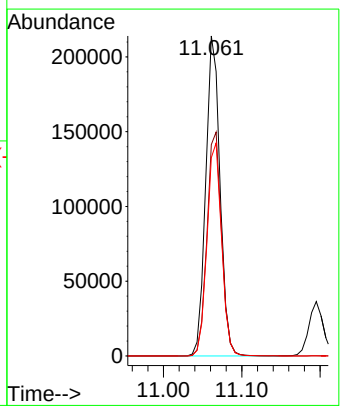


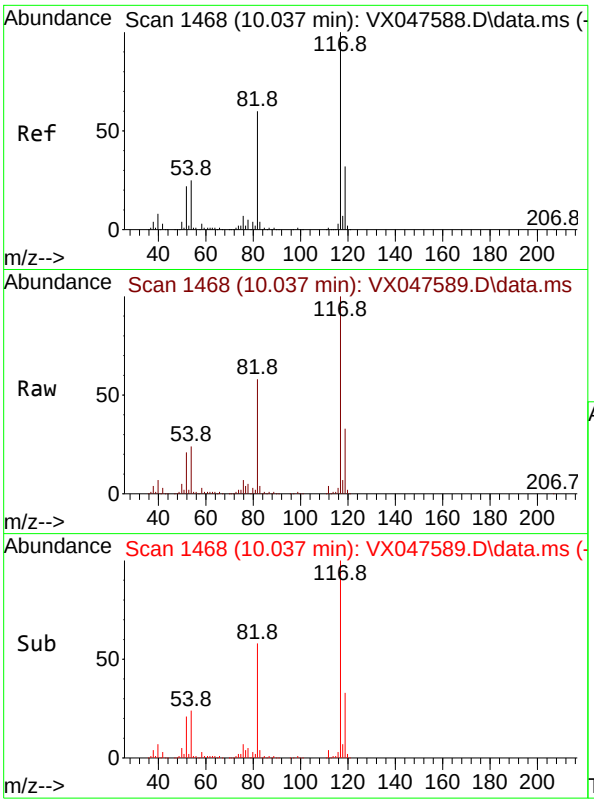




#62
4-Bromofluorobenzene
Concen: 102.672 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 95 Resp: 270289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.7 | 0.0 | 141.6 |
| 176 | 68.0 | 0.0 | 138.4 |



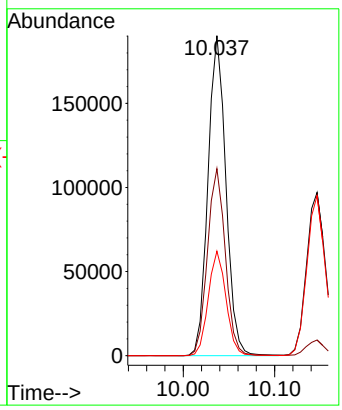


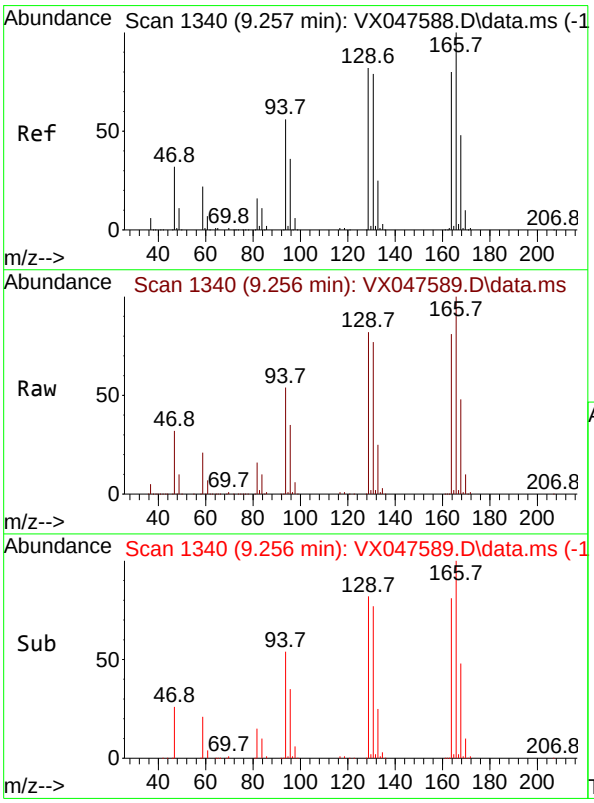

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:117 Resp: 258399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.4 | 47.8 | 71.6 |
| 119 | 32.7 | 25.2 | 37.8 |

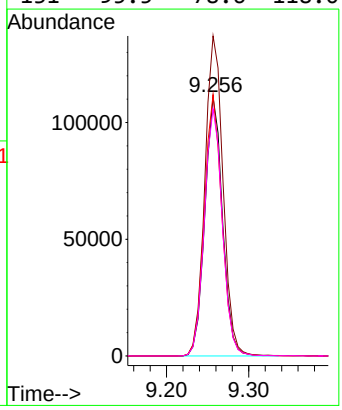


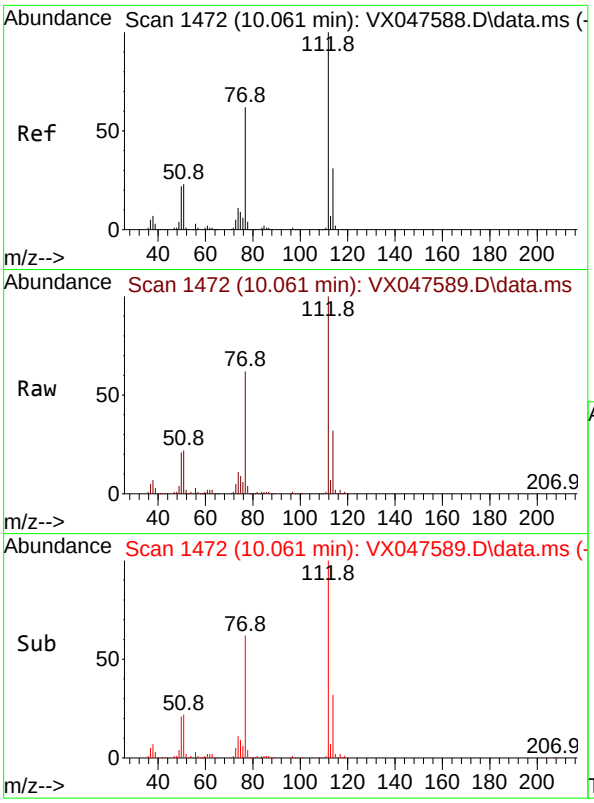




#64
Tetrachloroethene
Concen: 98.284 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:164 Resp: 165559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 123.6 | 100.2 | 150.2 |
| 129 | 100.9 | 81.8 | 122.6 |
| 131 | 95.5 | 78.6 | 118.0 |



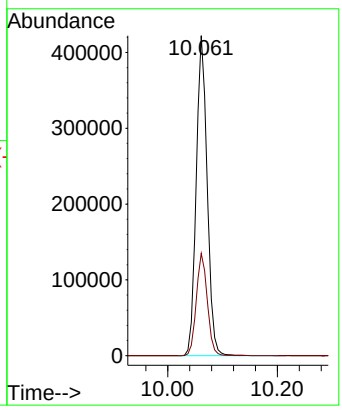


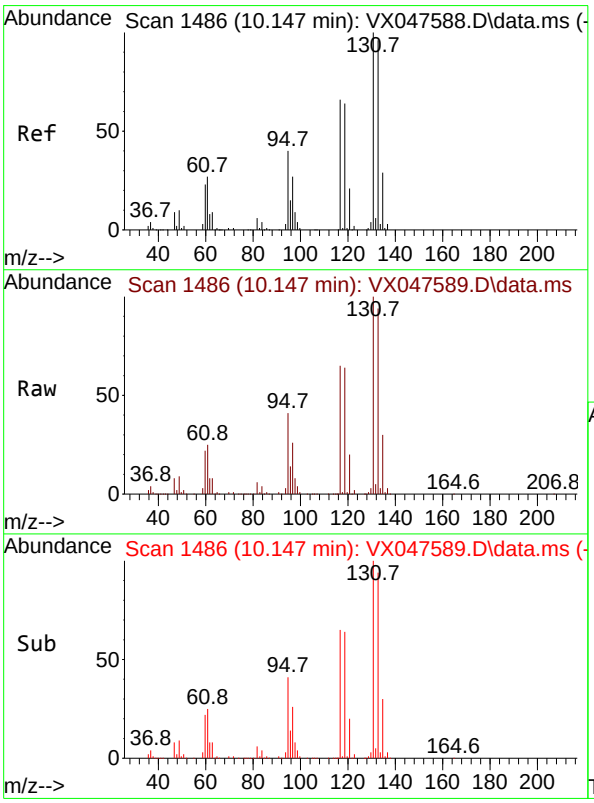

#65
Chlorobenzene
Concen: 100.253 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:112 Resp: 588517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.0 | 25.1 | 37.7 |

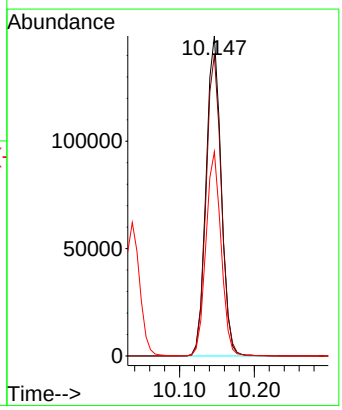


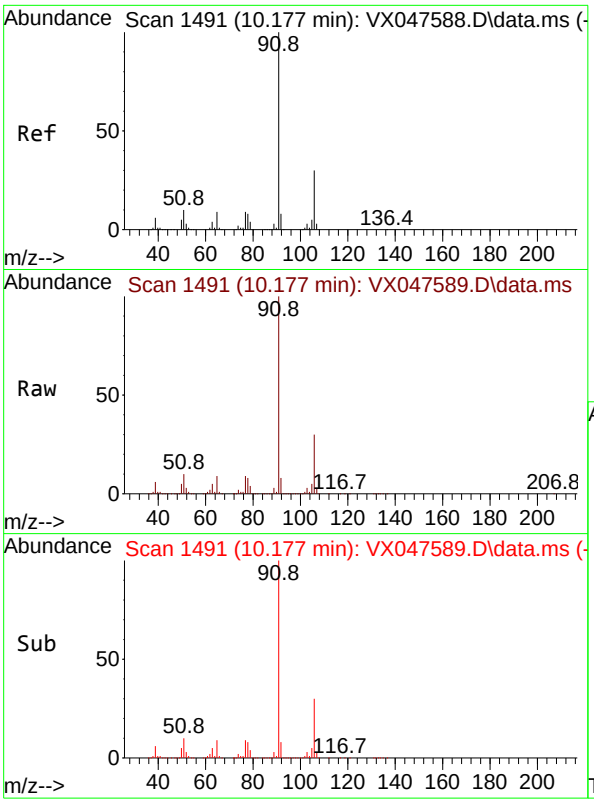




#66
1,1,1,2-Tetrachloroethane
Concen: 102.988 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:131 Resp: 208621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.2 | 47.3 | 142.0 |
| 119 | 64.2 | 32.0 | 96.0 |



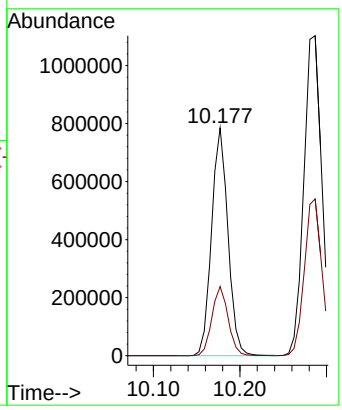


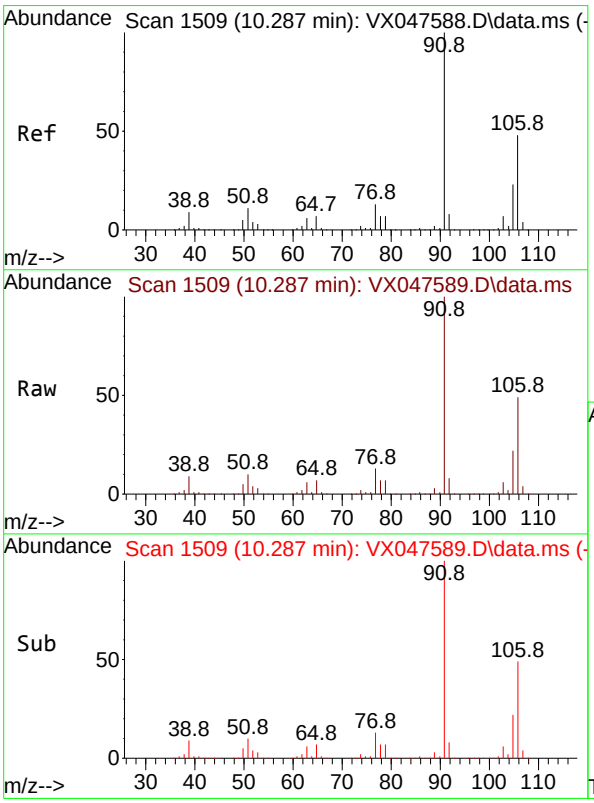

#67
Ethyl Benzene
Concen: 101.823 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 1031346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |

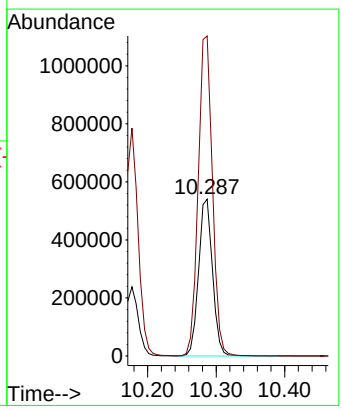


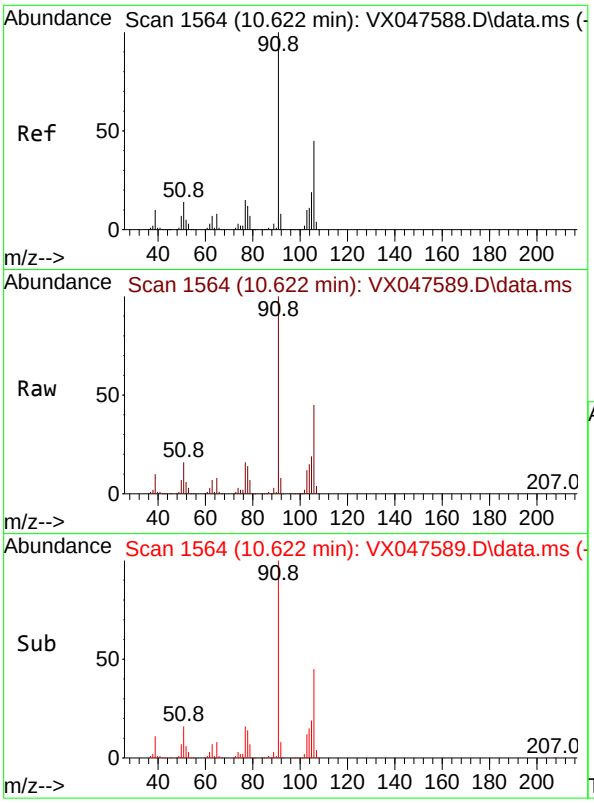




#68
m/p-Xylenes
Concen: 202.624 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:106 Resp: 763898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.5 | 167.8 | 251.8 |



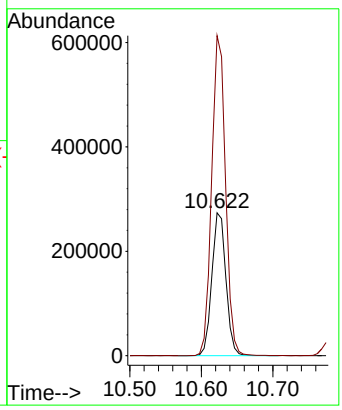


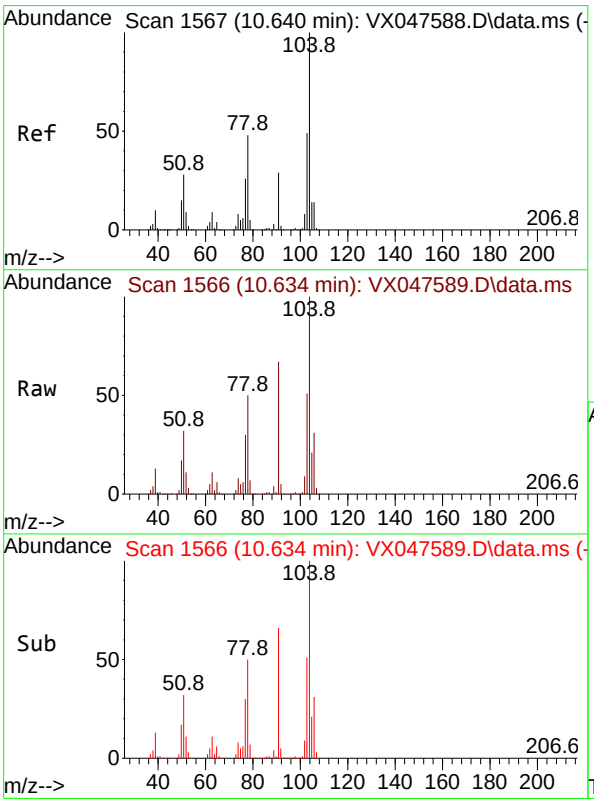

#69
o-Xylene
Concen: 102.186 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:106 Resp: 372621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.3 | 111.1 | 333.4 |

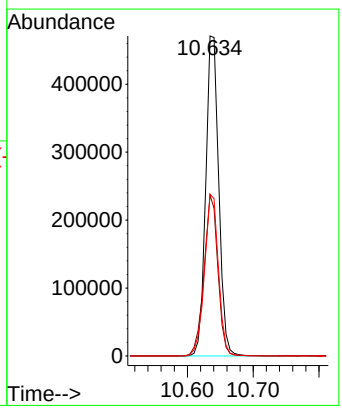


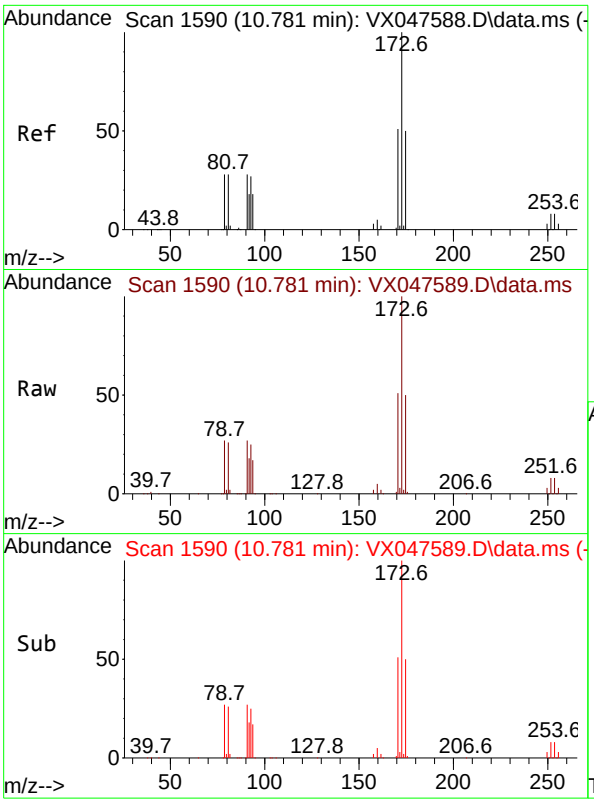




#70
Styrene
Concen: 101.710 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:104 Resp: 649863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.5 | 43.1 | 64.7 |
| 103 | 54.1 | 43.1 | 64.7 |



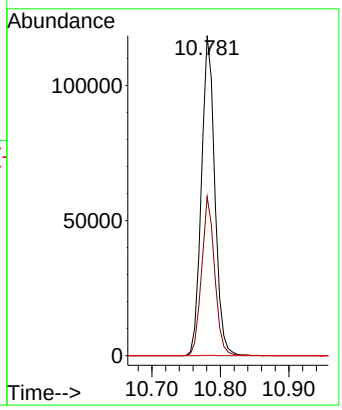


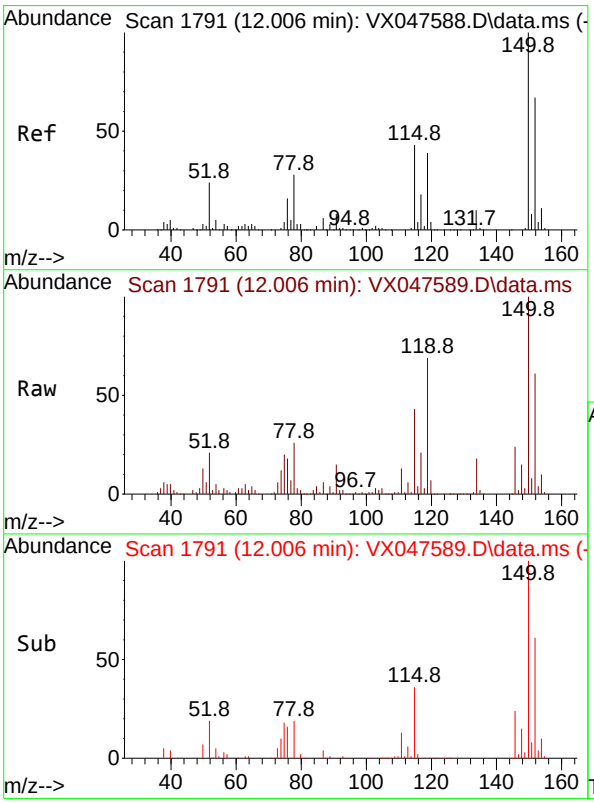

#71
Bromoform
Concen: 106.566 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:173 Resp: 161188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.5 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |

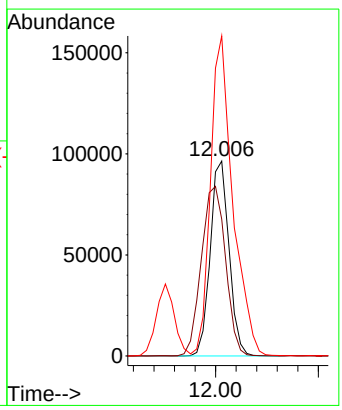


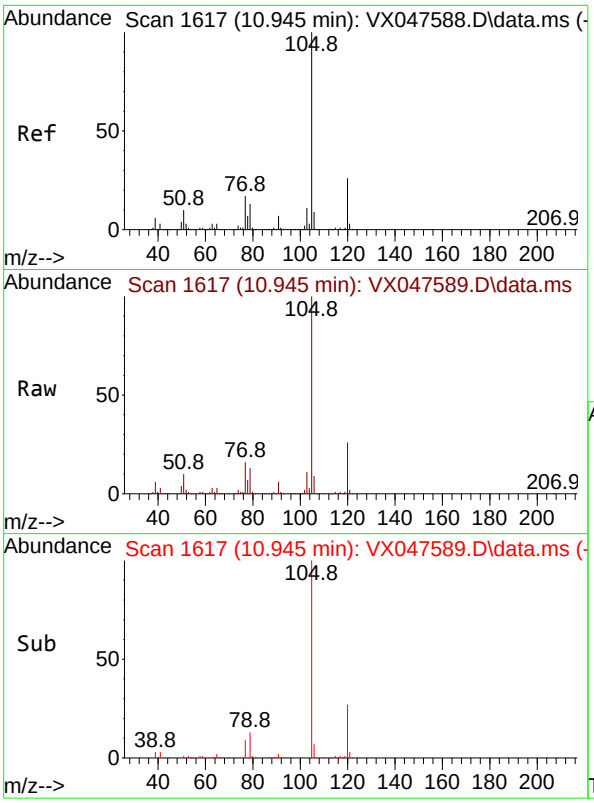




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:152 Resp: 122218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 112.6 | 44.9 | 134.5 |
| 150 | 195.0 | 0.0 | 352.0 |



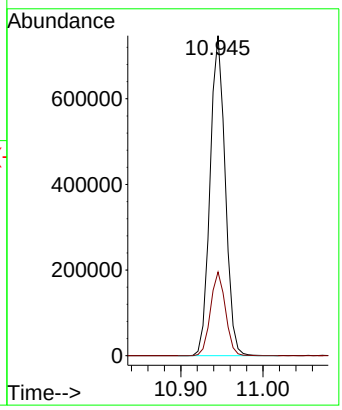


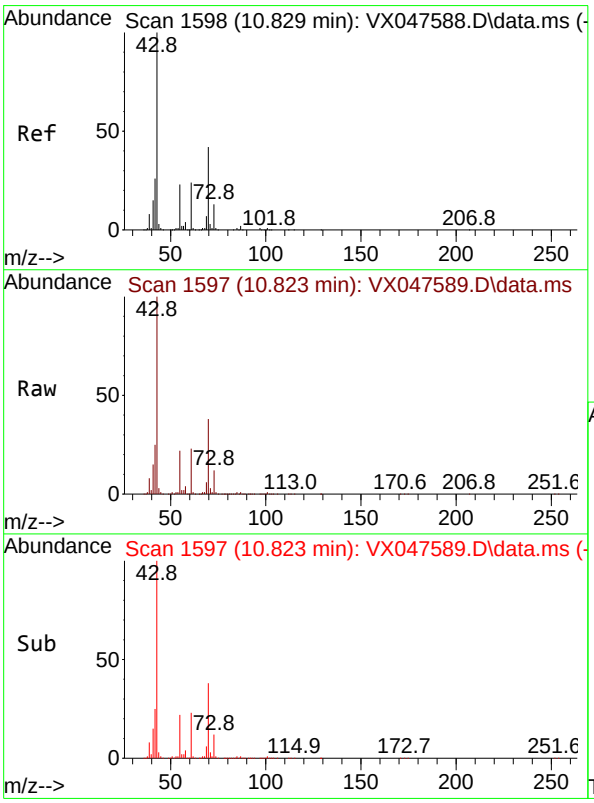

#73
Isopropylbenzene
Concen: 102.768 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 954900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |

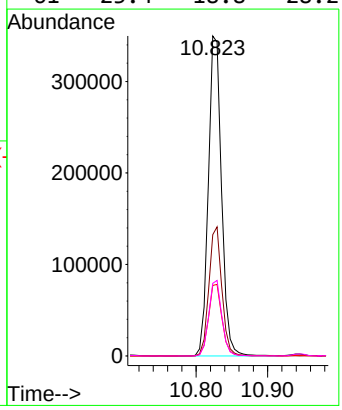


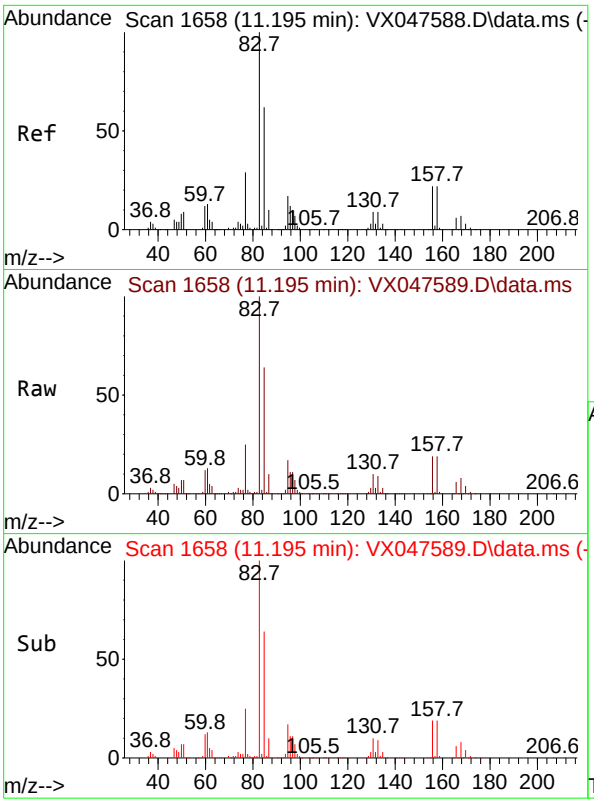




#74
N-amyl acetate
Concen: 105.812 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 43 Resp: 448344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 39.6 | 32.0 | 48.0 |
| 55 | 22.8 | 18.9 | 28.3 |
| 61 | 23.4 | 18.8 | 28.2 |



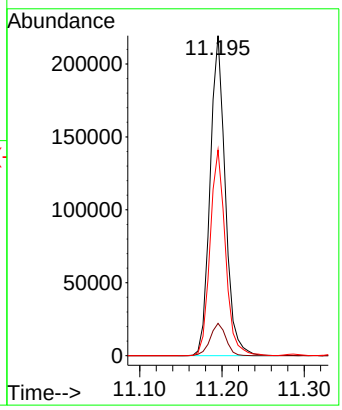


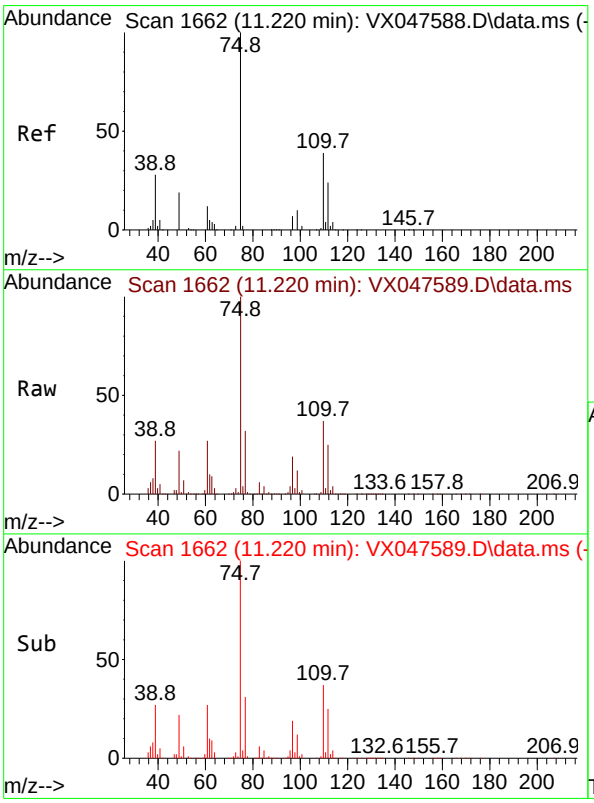

#75
1,1,2,2-Tetrachloroethane
Concen: 100.172 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 83 Resp: 281608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.4 | 5.0 | 14.9 |
| 85 | 65.1 | 31.6 | 95.0 |

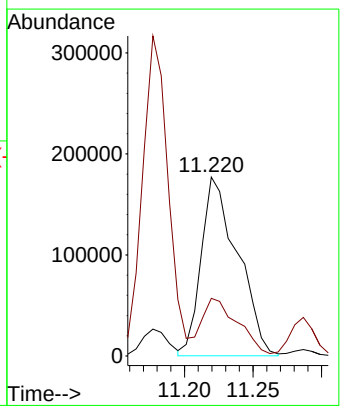


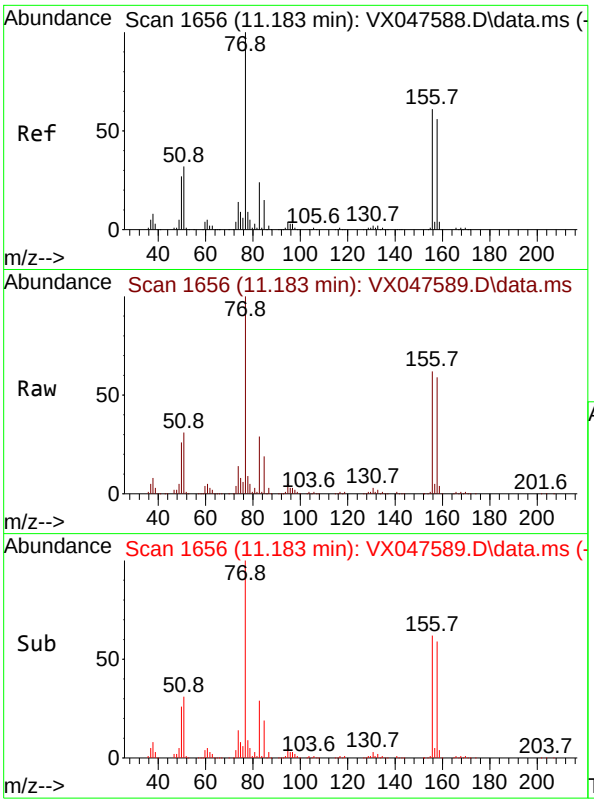




#76
1,2,3-Trichloropropane
Concen: 132.545 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 327988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 18.8 | 56.4 |



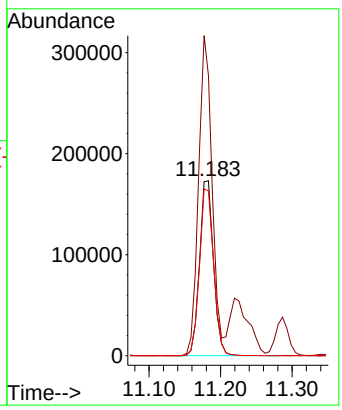


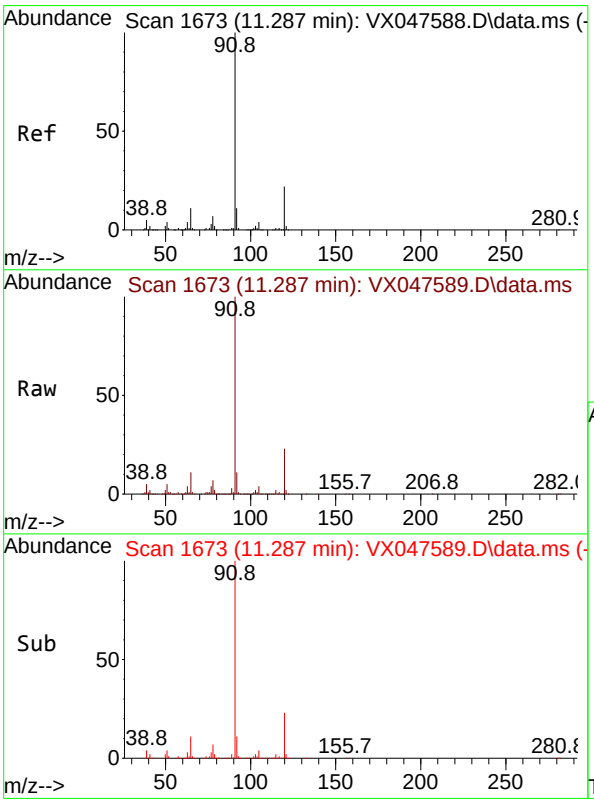

#77
Bromobenzene
Concen: 102.541 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:156 Resp: 234666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 176.0 | 89.7 | 269.1 |
| 158 | 96.5 | 47.9 | 143.6 |

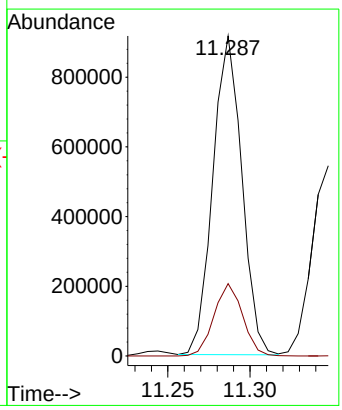


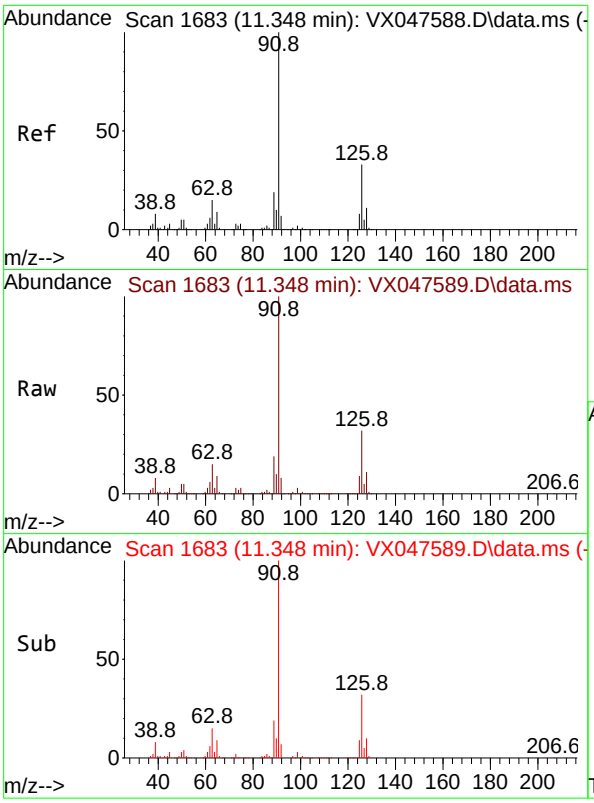




#78
n-propylbenzene
Concen: 101.941 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 1119728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |



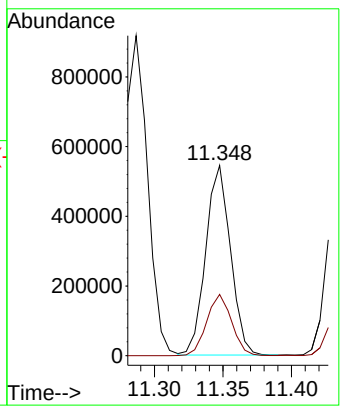


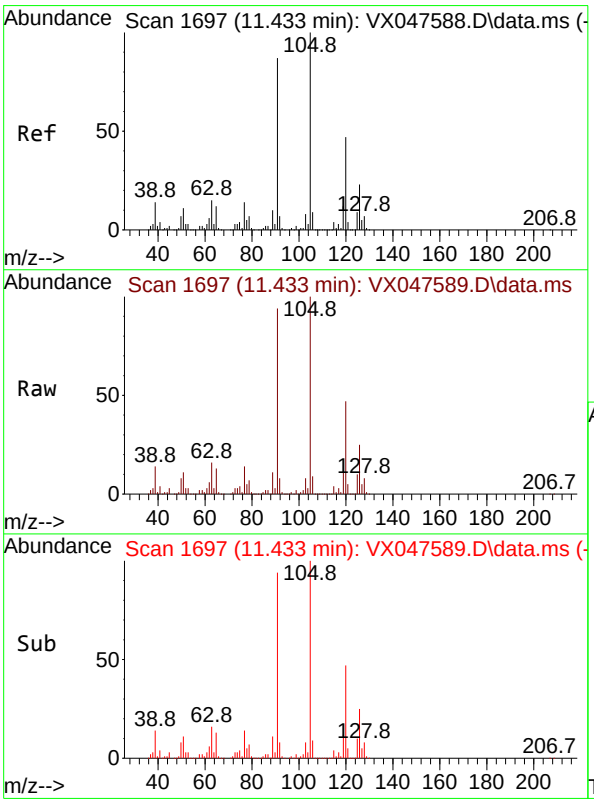

#79
2-Chlorotoluene
Concen: 101.652 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 683867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |

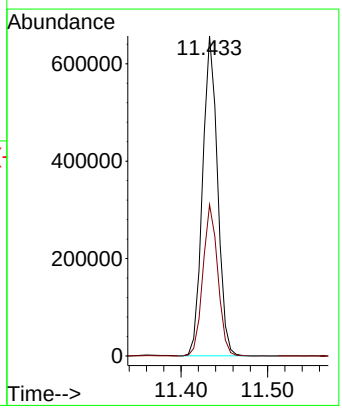


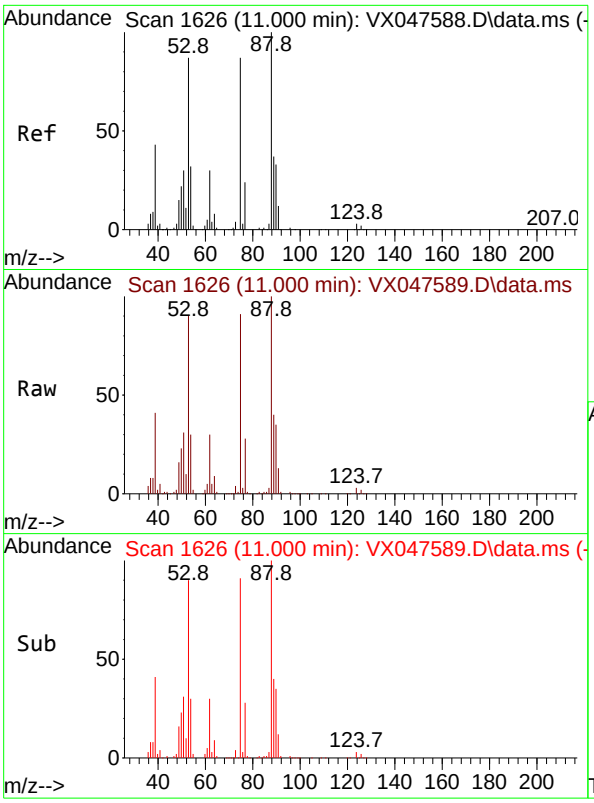




#80
1,3,5-Trimethylbenzene
Concen: 103.134 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 787327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.2 | 23.6 | 70.8 |



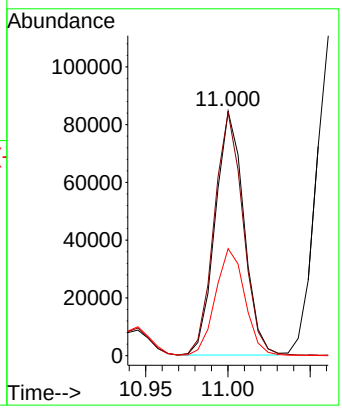


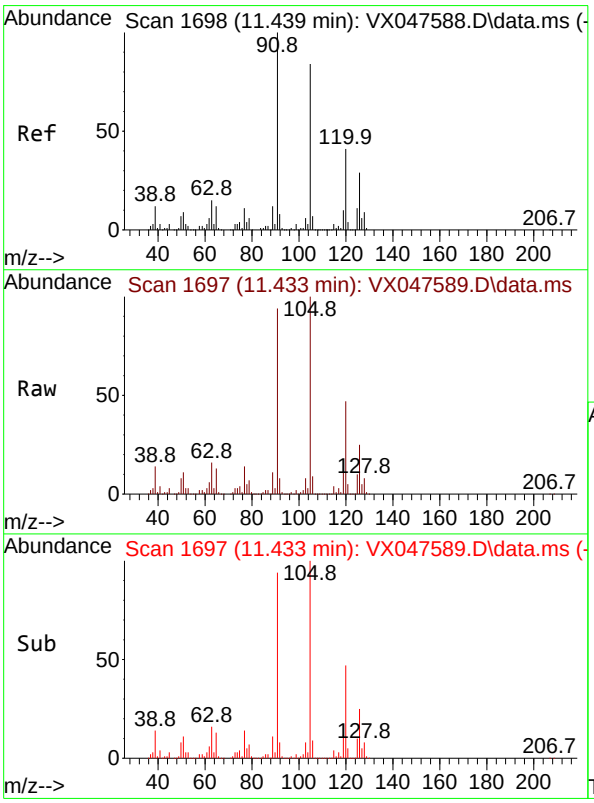

#81
trans-1,4-Dichloro-2-butene
Concen: 105.689 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 75 Resp: 102555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.1 | 83.4 | 125.2 |
| 89 | 45.3 | 36.3 | 54.5 |

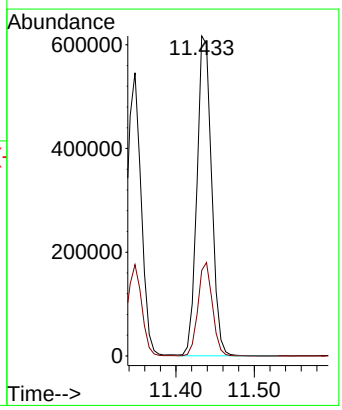


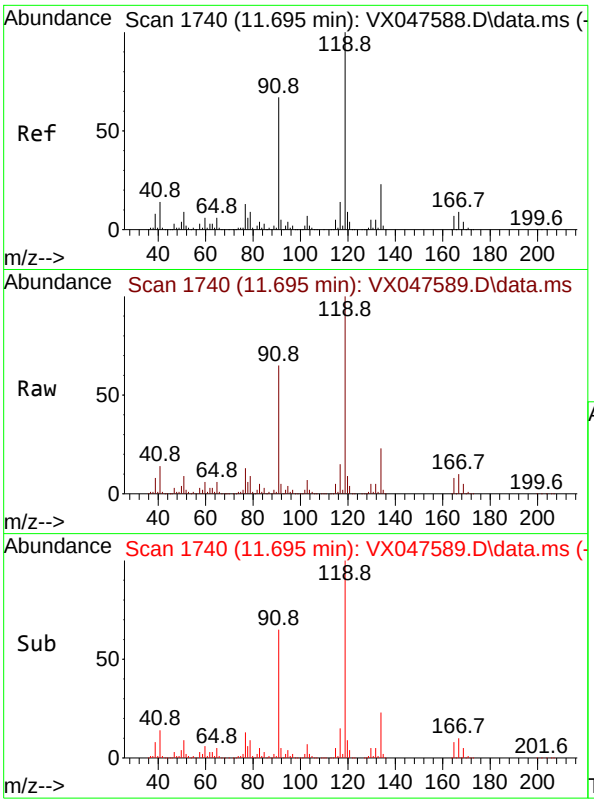




#82
4-Chlorotoluene
Concen: 101.054 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 91 Resp: 802929

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.2 | 42.6 |



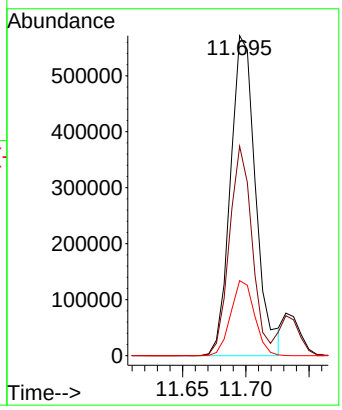


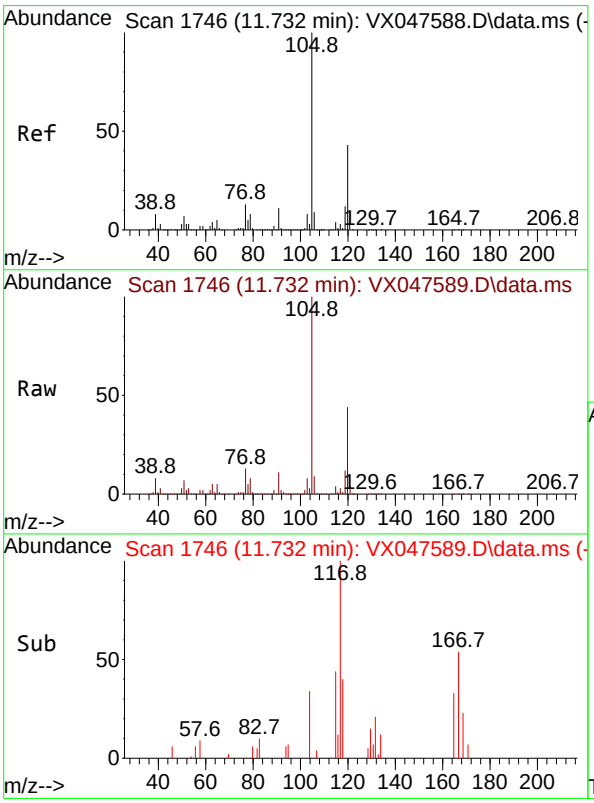

#83
tert-Butylbenzene
Concen: 101.333 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:119 Resp: 791896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.3 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |

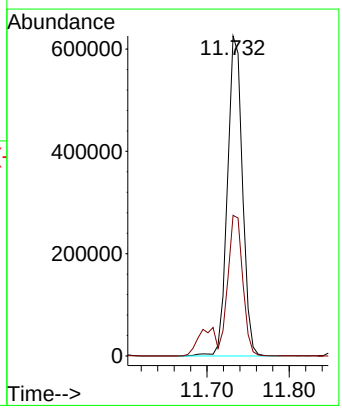


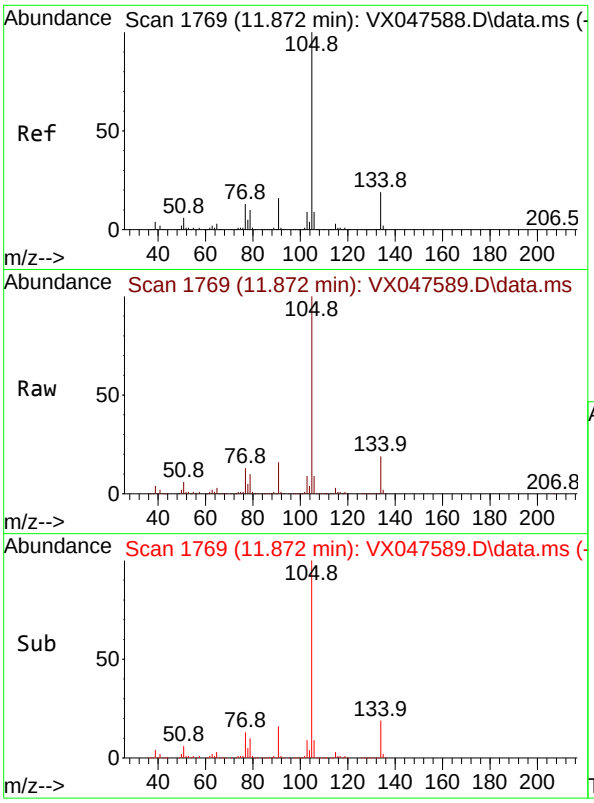




#84
1,2,4-Trimethylbenzene
Concen: 102.144 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:105 Resp: 790557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.6 | 22.1 | 66.1 |



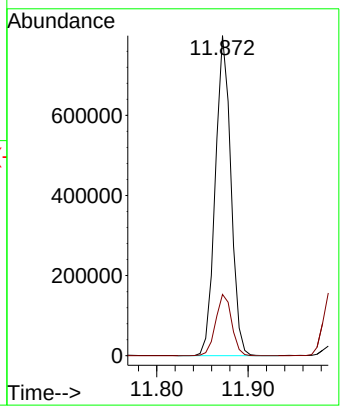


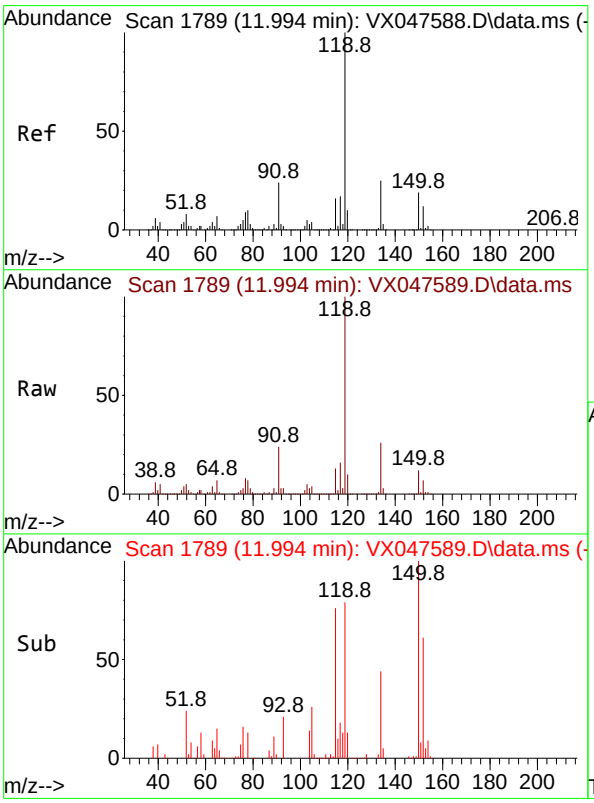

#85
sec-Butylbenzene
Concen: 101.840 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:105 Resp: 945321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

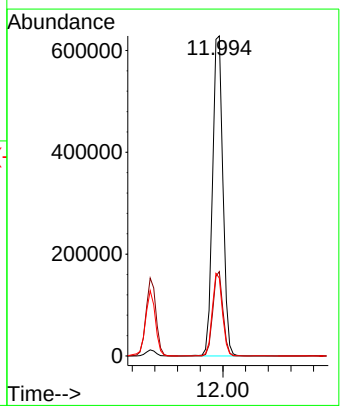


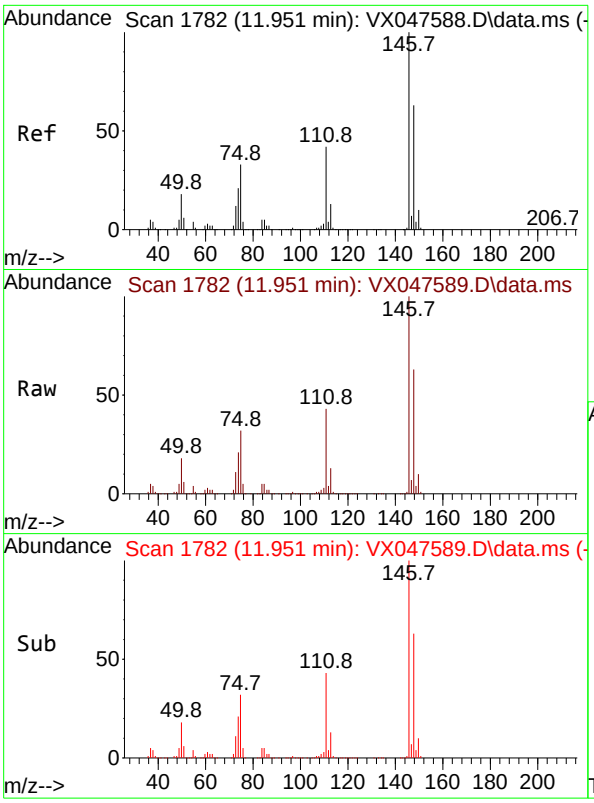




#86
p-Isopropyltoluene
Concen: 101.501 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:119 Resp: 797643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.6 | 12.6 | 37.8 |
| 91 | 25.2 | 12.6 | 37.6 |



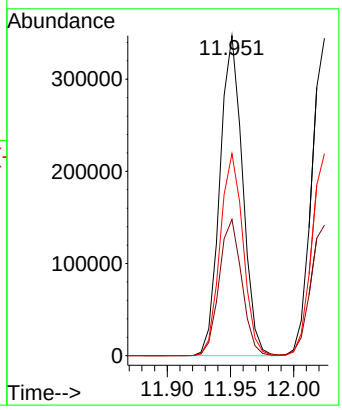


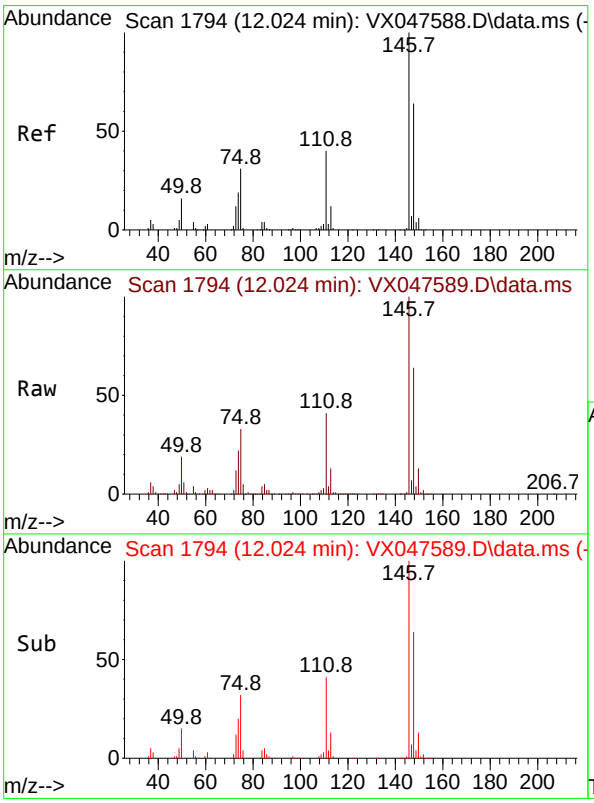

#87
1,3-Dichlorobenzene
Concen: 101.689 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 432248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.7 | 21.5 | 64.5 |
| 148 | 63.9 | 32.0 | 96.0 |

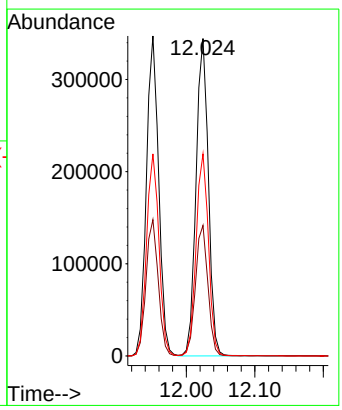


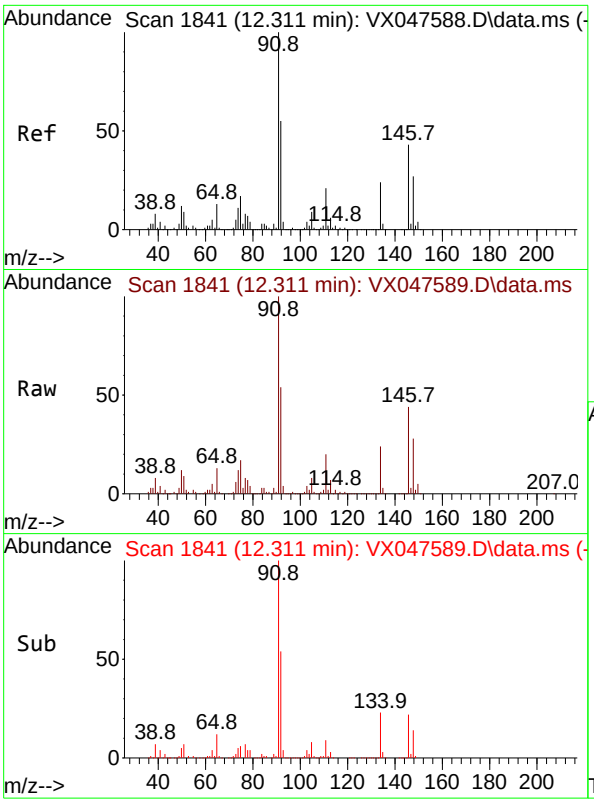




#88
1,4-Dichlorobenzene
Concen: 98.985 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:146 Resp: 431839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 63.8 | 31.7 | 95.1 |



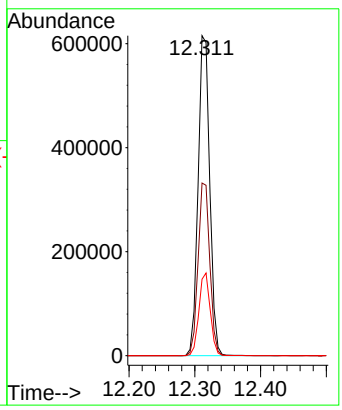


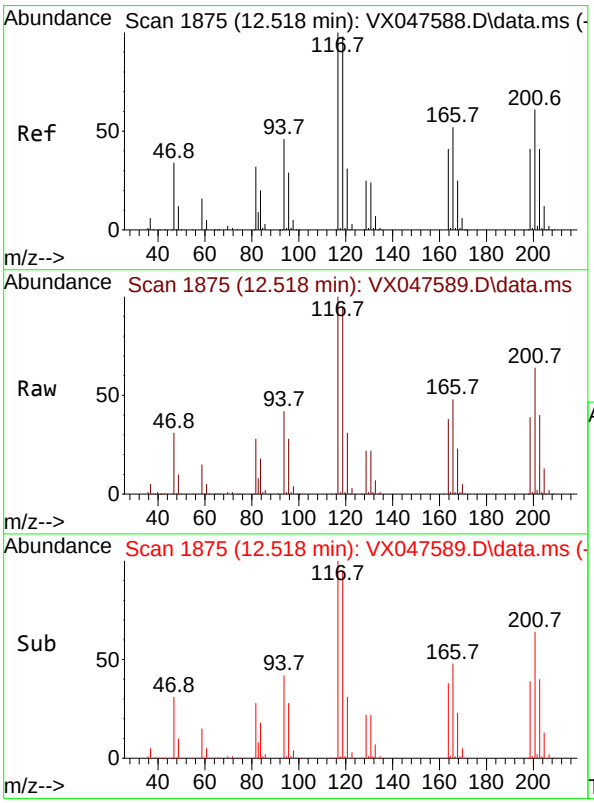

#89
n-Butylbenzene
Concen: 104.138 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion: 91 Resp: 757239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.6 | 82.7 |
| 134 | 25.1 | 12.6 | 37.8 |

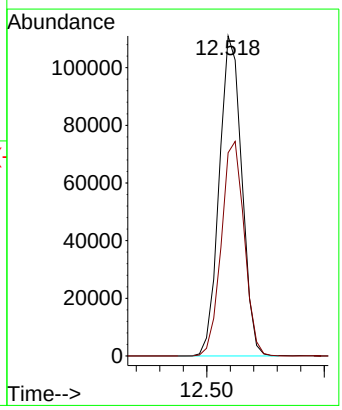


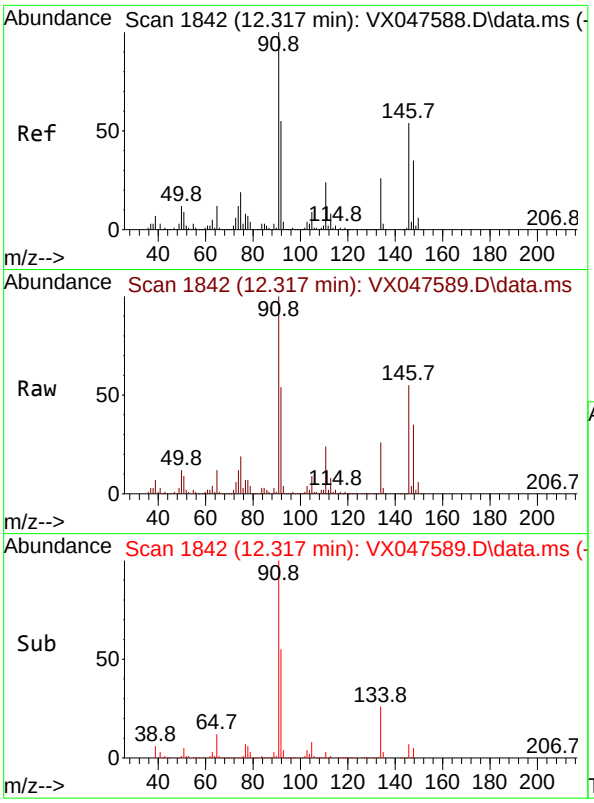




#90
Hexachloroethane
Concen: 107.304 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:117 Resp: 148048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.1 | 34.2 | 102.5 |



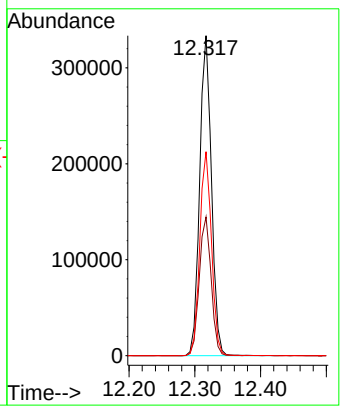


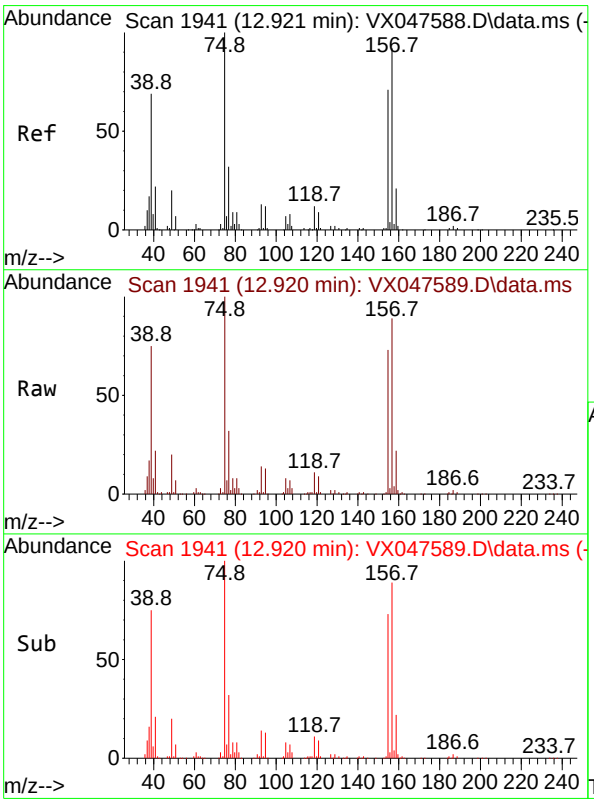

#91
1,2-Dichlorobenzene
Concen: 102.352 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:146 Resp: 414491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 63.4 | 31.8 | 95.4 |

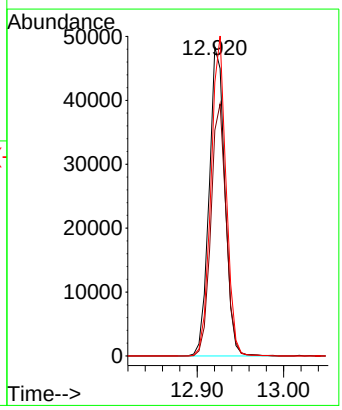


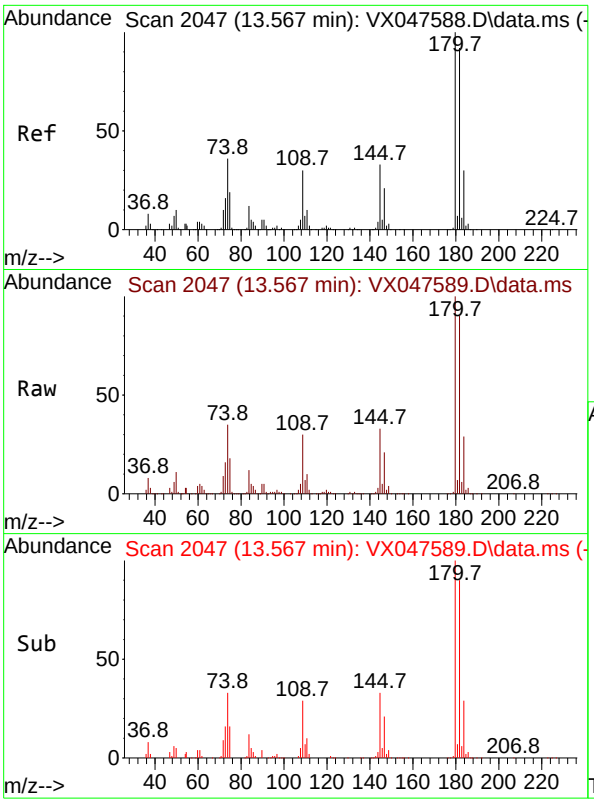




#92
1,2-Dibromo-3-Chloropropane
Concen: 107.225 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion: 75 Resp: 61029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.0 | 37.7 | 113.1 |
| 157 | 99.2 | 49.8 | 149.4 |



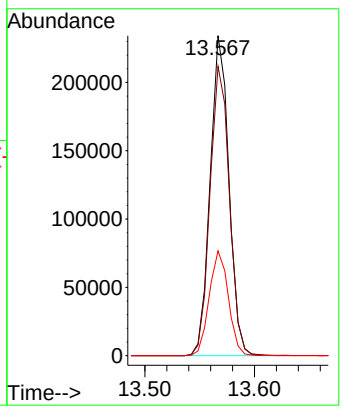


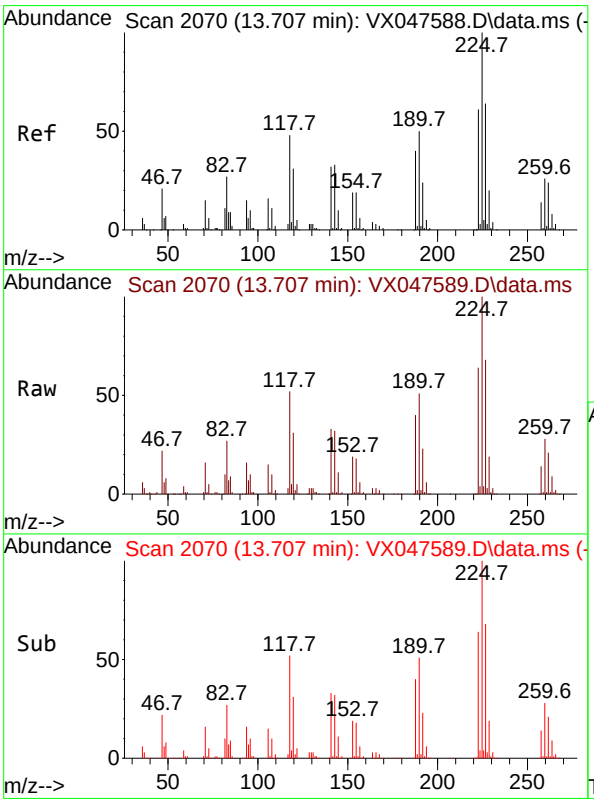

#93
1,2,4-Trichlorobenzene
Concen: 105.922 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:180 Resp: 278777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.2 | 46.6 | 139.8 |
| 145 | 33.3 | 16.4 | 49.1 |

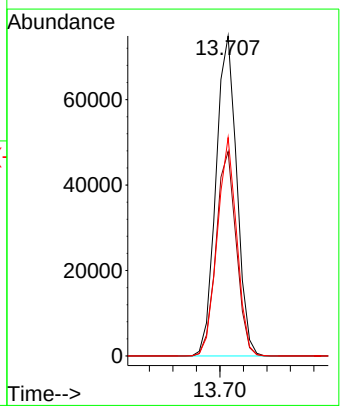


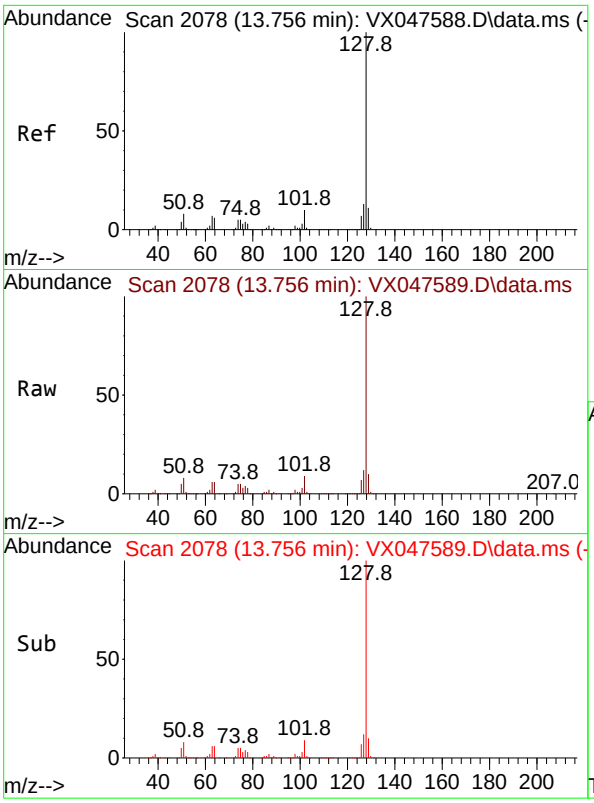




#94
Hexachlorobutadiene
Concen: 103.049 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:225 Resp: 92124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.0 | 31.7 | 95.1 |
| 227 | 63.8 | 32.0 | 96.0 |



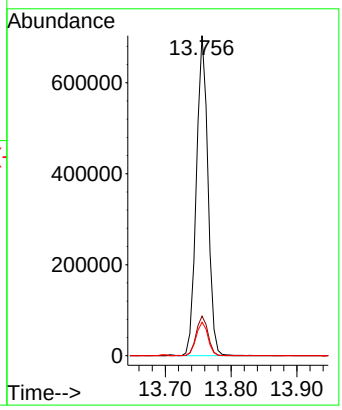


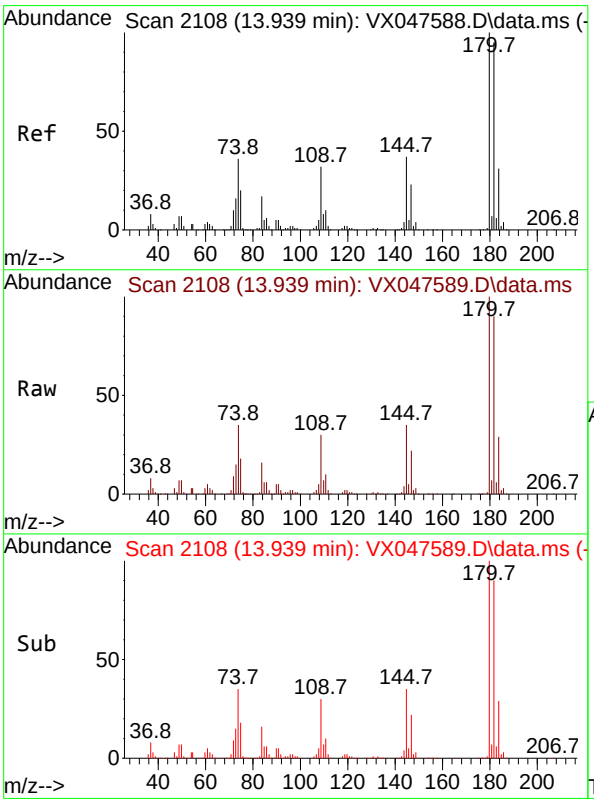

#95
Naphthalene
Concen: 106.620 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Tgt Ion:128 Resp: 854492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |

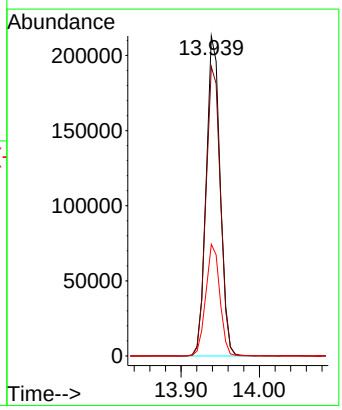



#96
1,2,3-Trichlorobenzene
Concen: 107.633 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047589.D
Acq: 16 Sep 2025 11:40

Tgt Ion:180 Resp: 263512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.6 | 47.6 | 142.8 |
| 145 | 35.0 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 153177 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 274804 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 241818 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 114743 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.940 | 65 | 396627 | 162.673 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 325.340%# | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 303728 | 164.802 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 329.600%# | | | |
| 50) Toluene-d8 | 8.635 | 98 | 1041079 | 163.253 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 326.500%# | | | |
| 62) 4-Bromofluorobenzene | 11.067 | 95 | 399386 | 165.020 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 330.040%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 226166 | 142.586 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 297259 | 142.593 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 302303 | 148.140 | ug/l | 98 |
| 5) Bromomethane | 1.605 | 94 | 147541 | 114.019 | ug/l | 98 |
| 6) Chloroethane | 1.691 | 64 | 195927 | 143.652 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 453116 | 149.545 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 188006 | 151.684 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 267995 | 151.264 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 407242 | 147.384 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 215927 | 795.166 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 273692 | 150.388 | ug/l | 97 |
| 13) Acrolein | 2.239 | 56 | 223763 | 894.203 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 554779 | 147.727 | ug/l | 99 |
| 15) Acrylonitrile | 3.063 | 53 | 790790 | 786.201 | ug/l | 99 |
| 16) Acetone | 2.380 | 43 | 686119 | 647.201 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 714503 | 143.412 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 404736 | 171.548 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 1015295 | 152.826 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 324032 | 144.398 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 291616 | 148.833 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 1095726 | 150.551 | ug/l | 97 |
| 23) Vinyl Acetate | 3.715 | 43 | 4504849 | 773.364 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 587129 | 151.776 | ug/l | 98 |
| 25) 2-Butanone | 4.544 | 43 | 973938 | 736.502 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 486890 | 151.414 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 366262 | 152.638 | ug/l | 99 |
| 28) Bromochloromethane | 4.885 | 49 | 289548 | 171.451 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.989 | 42 | 616374 | 774.811 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 591709 | 151.367 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 456119 | 141.570 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 506654 | 152.802 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 386601 | 143.556 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 444461 | 154.141 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 427263 | 146.021 | ug/l | 98 |
| 39) Methylcyclohexane | 7.367 | 83 | 456694 | 149.395 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 1202846 | 147.057 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 223218 | 149.951 | ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 455978 | 146.515 | ug/l | 99 |
| 43) Isopropyl Acetate | 6.324 | 43 | 724888 | 153.283 | ug/l | 99 |
| 44) Trichloroethene | 7.111 | 130 | 299673 | 151.542 | ug/l | 96 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 316720 | 151.219 | ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 228550 | 149.954 | ug/l | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 483438 | 153.710 | ug/l | 98 |
| 48) Methyl methacrylate | 7.678 | 41 | 367931 | 156.194 | ug/l | 99 |
| 49) 1,4-Dioxane | 7.647 | 88 | 82739 | 3475.565 | ug/l | 98 |
| 51) 4-Methyl-2-Pentanone | 8.562 | 43 | 2008063 | 765.849 | ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 739332 | 146.712 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 503912 | 157.076 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 530566 | 154.732 | ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 289103 | 148.781 | ug/l | 99 |
| 56) Ethyl methacrylate | 9.104 | 69 | 490623 | 160.773 | ug/l | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 502121 | 150.426 | ug/l | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.232 | 63 | 1202206 | 749.661 | ug/l | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 1412417 | 750.035 | ug/l | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 347748 | 155.318 | ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 302715 | 152.949 | ug/l | 99 |
| 64) Tetrachloroethene | 9.263 | 164 | 227931 | 144.590 | ug/l | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 828239 | 150.763 | ug/l | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 291433 | 153.733 | ug/l | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 1431554 | 151.026 | ug/l | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 1059776 | 300.381 | ug/l | 99 |
| 69) o-Xylene | 10.628 | 106 | 521840 | 152.920 | ug/l | 99 |
| 70) Styrene | 10.640 | 104 | 917532 | 153.449 | ug/l | 99 |
| 71) Bromoform | 10.781 | 173 | 229683 | 162.262 | ug/l | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 1321409 | 151.477 | ug/l | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 636879 | 160.099 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 403906 | 153.035 | ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.226 | 75 | 470623 | 202.576 | ug/l | 89 |
| 77) Bromobenzene | 11.183 | 156 | 328336 | 152.818 | ug/l | 99 |
| 78) n-propylbenzene | 11.287 | 91 | 1550316 | 150.337 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 939707 | 148.781 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 1091593 | 152.306 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 145921 | 160.176 | ug/l | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 1127233 | 151.112 | ug/l | 100 |
| 83) tert-Butylbenzene | 11.701 | 119 | 1106532 | 150.819 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 1106914 | 152.336 | ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 1319819 | 151.448 | ug/l | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 1103210 | 149.530 | ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 605123 | 151.633 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 613617 | 149.814 | ug/l | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 1032357 | 151.222 | ug/l | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 211472 | 163.258 | ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 582565 | 153.227 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 89415 | 167.332 | ug/l | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 387652 | 156.884 | ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 121791 | 145.110 | ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 1229363 | 163.388 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 369382 | 160.704 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

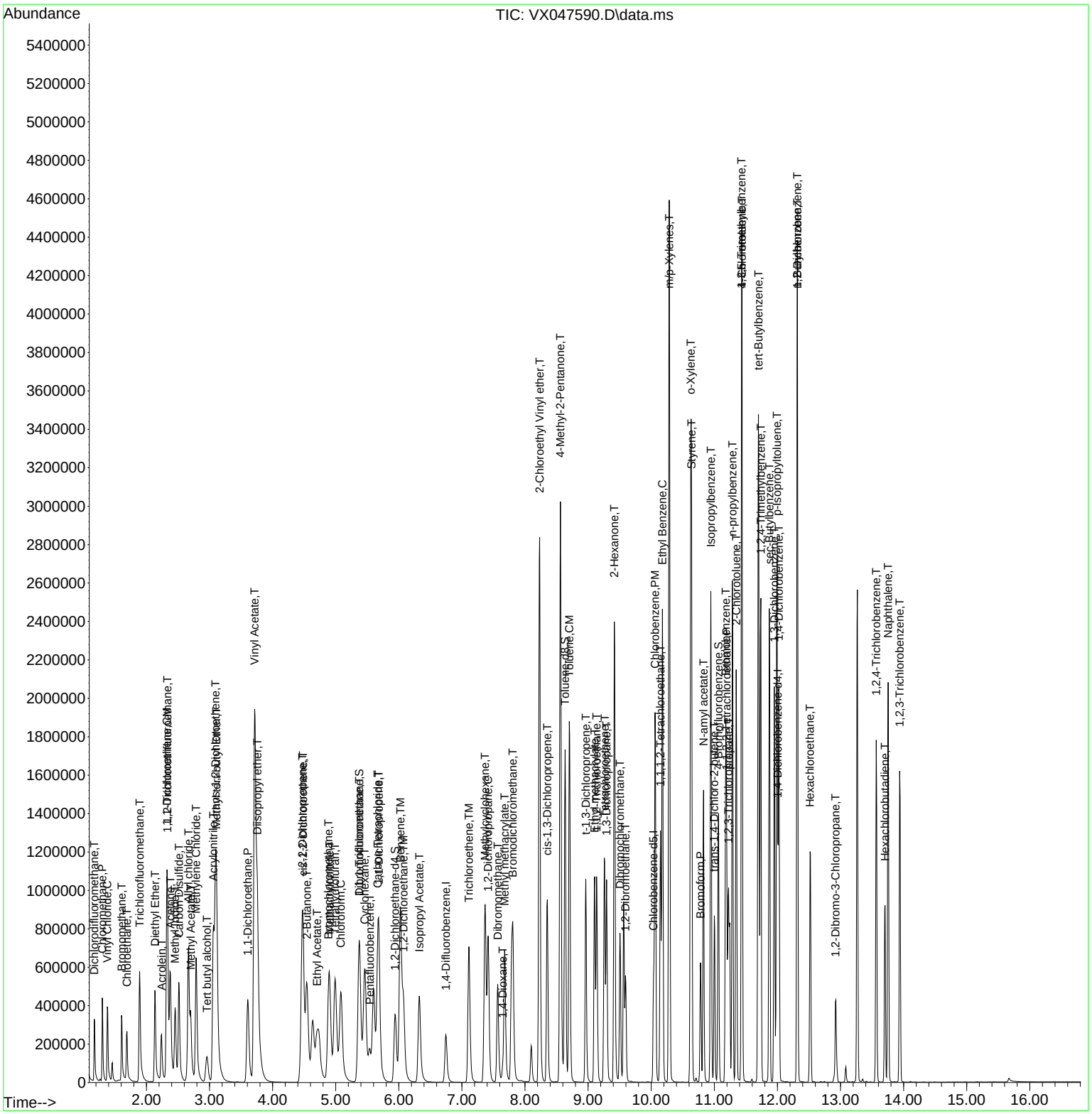
(#) = qualifier out of range (m) = manual integration (+) = signals summed

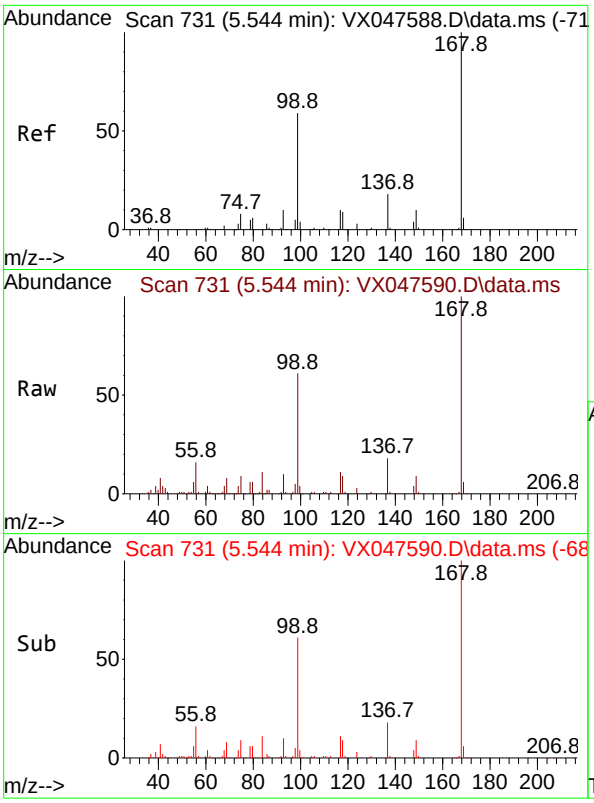
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Sep 22 01:52:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



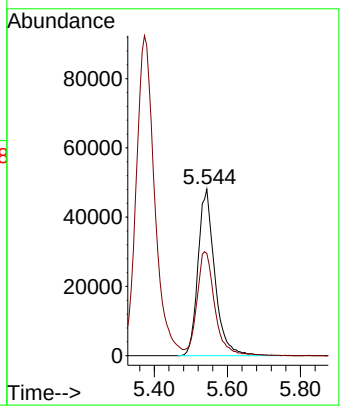


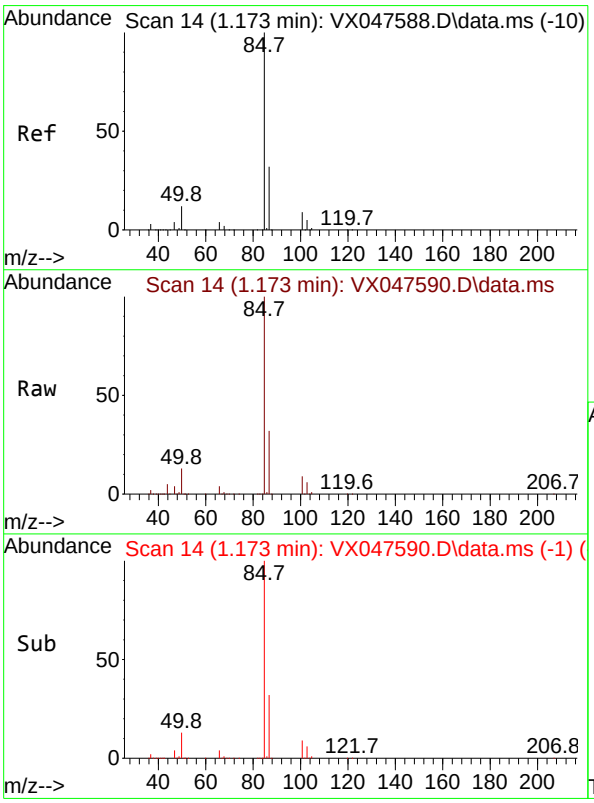

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:168 Resp: 153177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.1 | 48.8 | 73.2 |

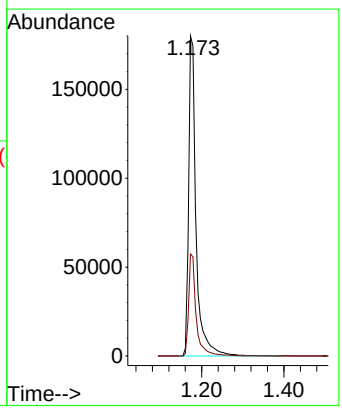


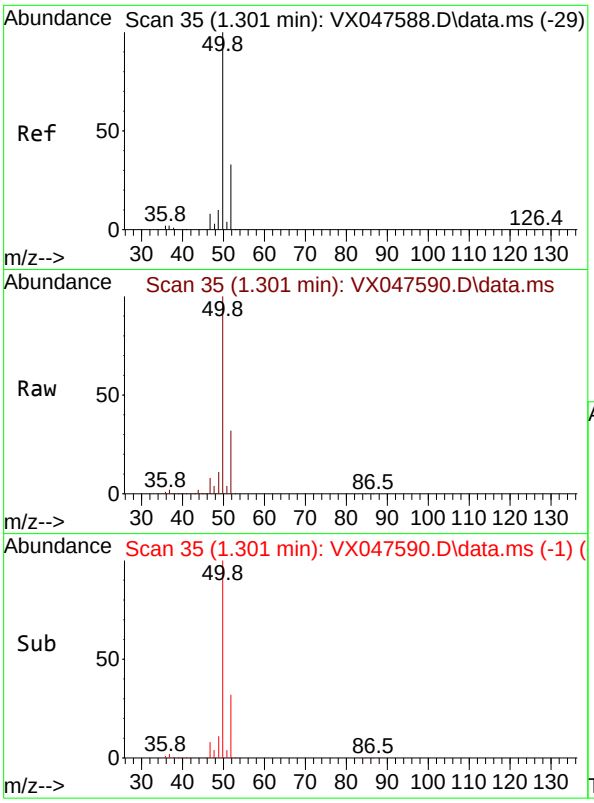




#2
Dichlorodifluoromethane
Concen: 142.586 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 85 Resp: 226166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.8 | 15.8 | 47.3 |



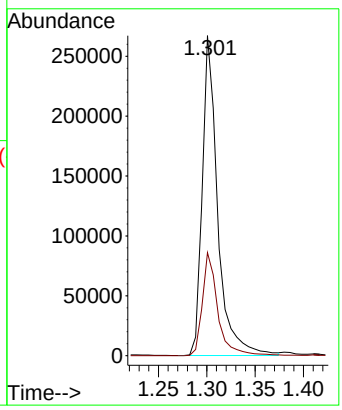


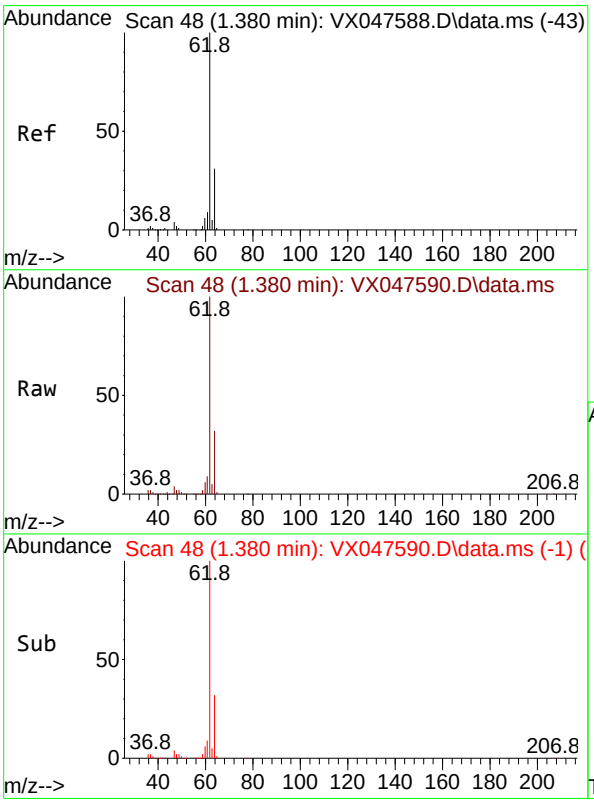

#3
Chloromethane
Concen: 142.593 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 50 Resp: 297259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.1 | 39.1 |

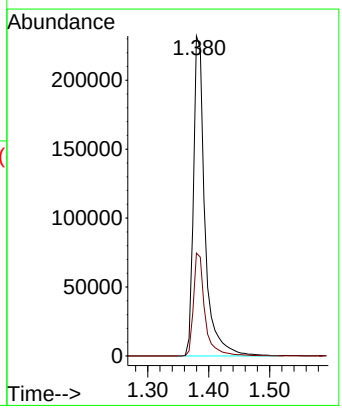


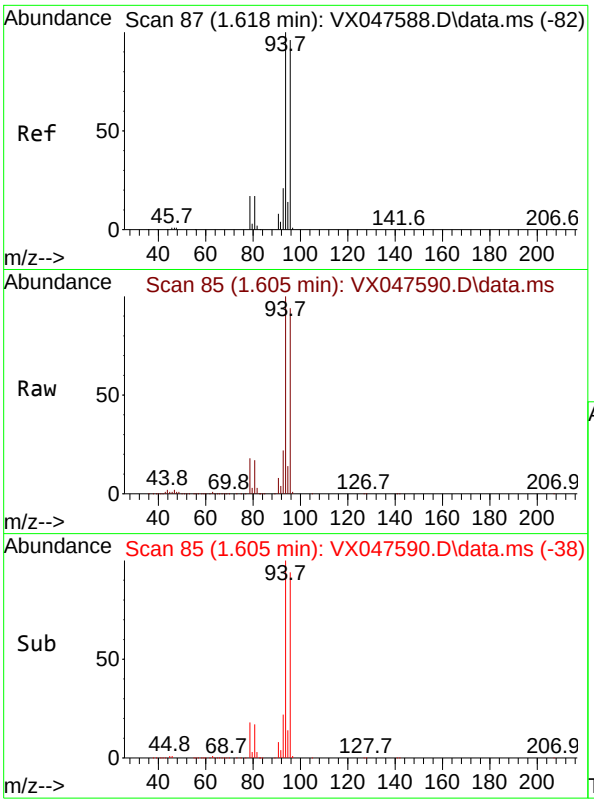




#4
Vinyl Chloride
Concen: 148.140 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 302303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.1 | 24.9 | 37.3 |



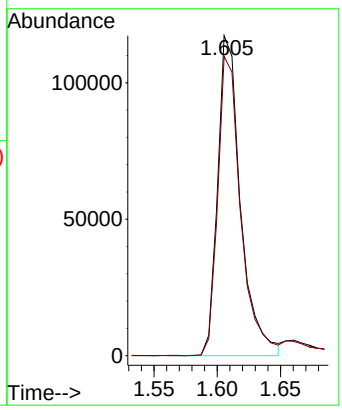


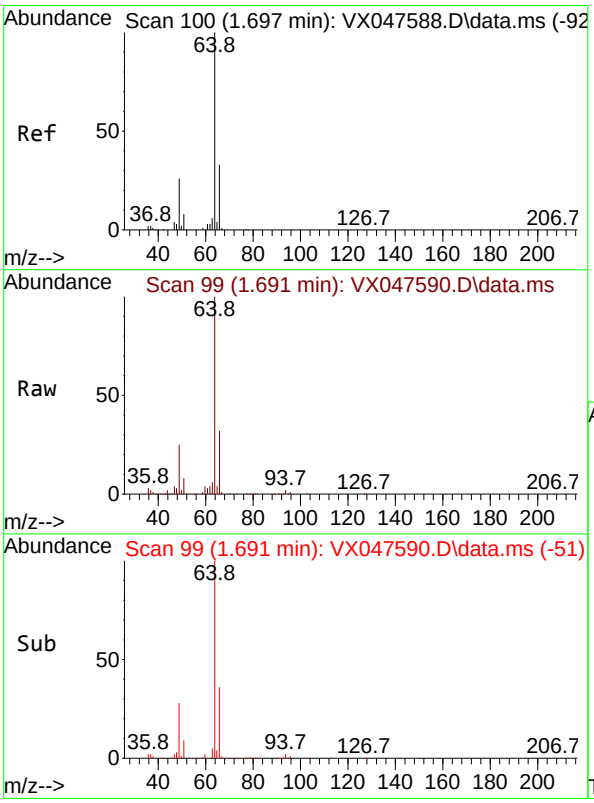

#5
Bromomethane
Concen: 114.019 ug/l
RT: 1.605 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 94 Resp: 147541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 93.4 | 76.6 | 115.0 |

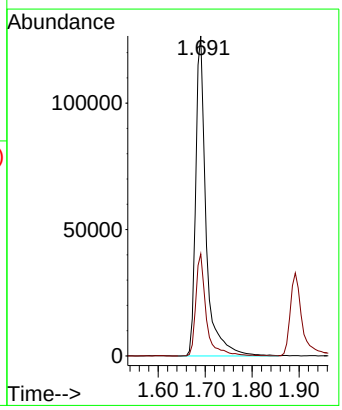


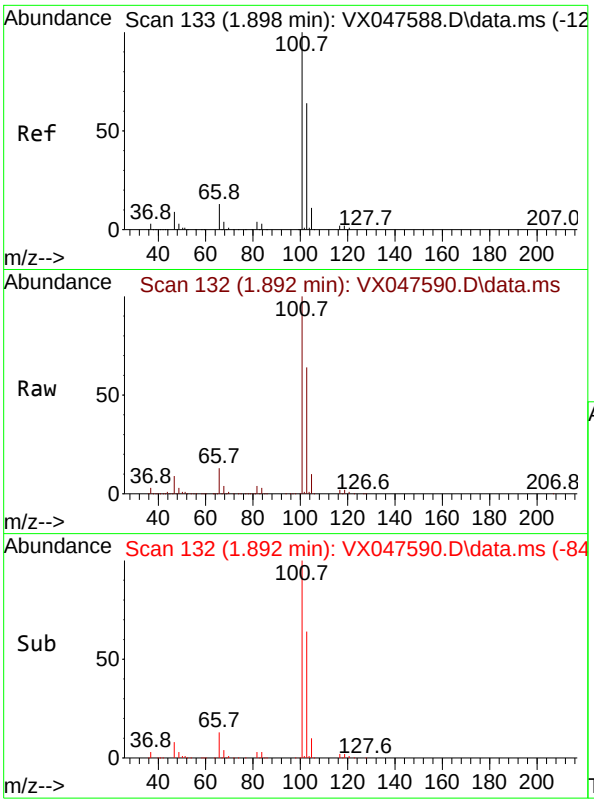




#6
Chloroethane
Concen: 143.652 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 64 Resp: 195927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 26.1 | 39.1 |



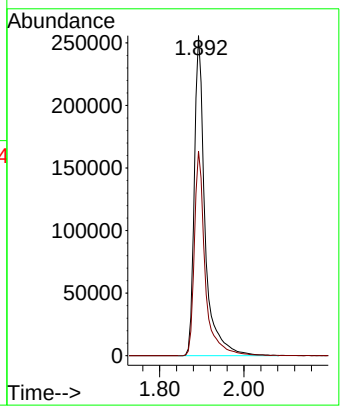


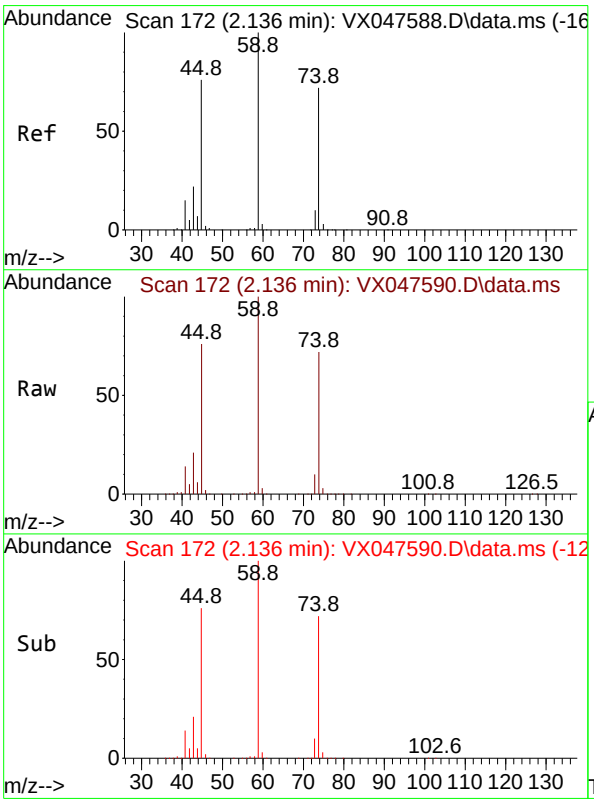

#7
Trichlorofluoromethane
Concen: 149.545 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 453116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.9 | 51.4 | 77.2 |

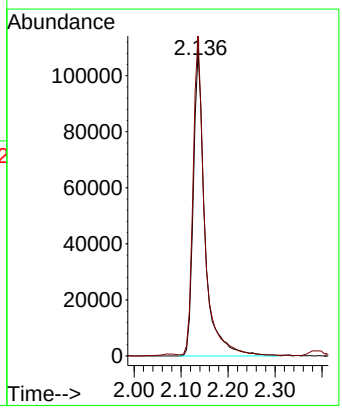


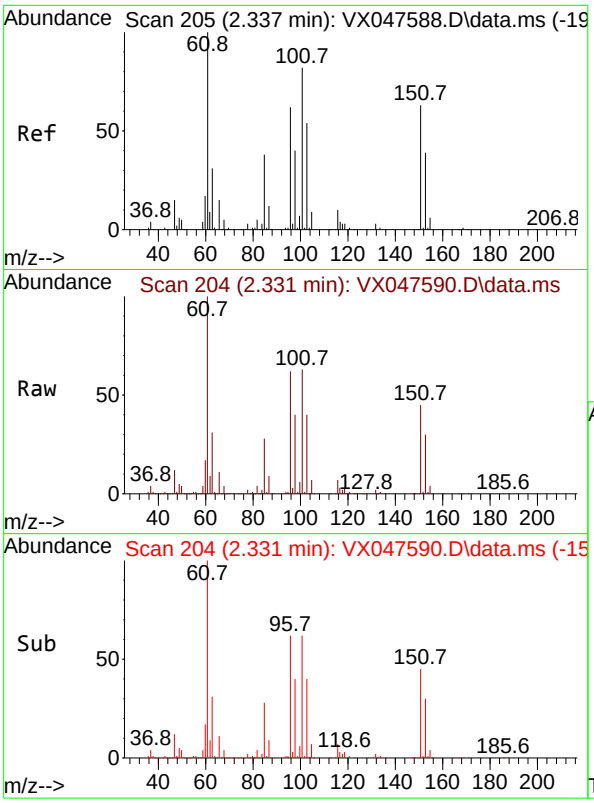




#8
Diethyl Ether
Concen: 151.684 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 74 Resp: 188006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.5 | 52.3 | 156.8 |



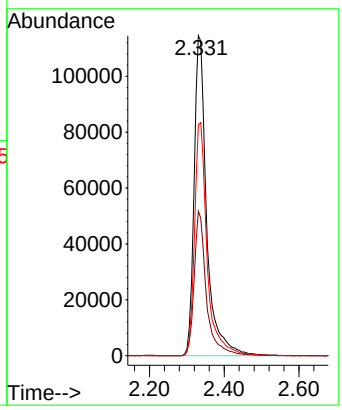


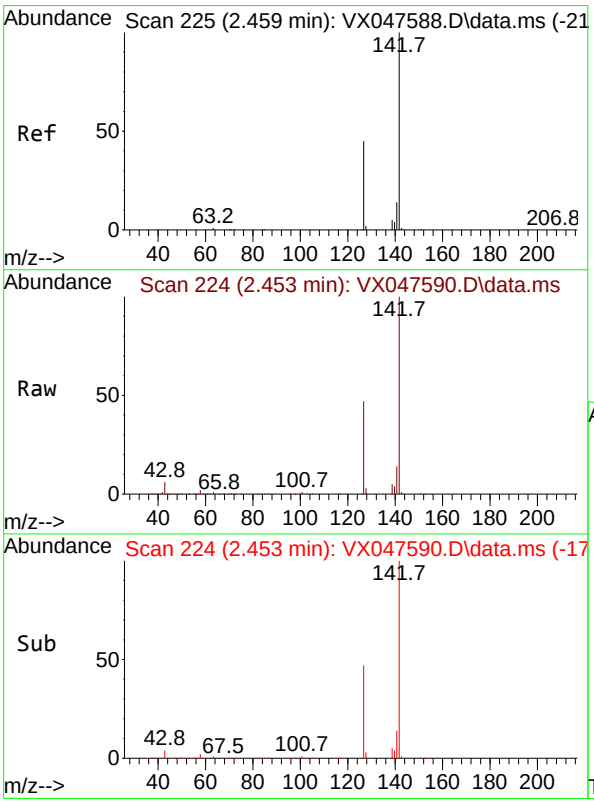

#9
1,1,2-Trichlorotrifluoroethane
Concen: 151.264 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:101 Resp: 267995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.9 | 35.5 | 53.3 |
| 151 | 73.2 | 59.4 | 89.0 |

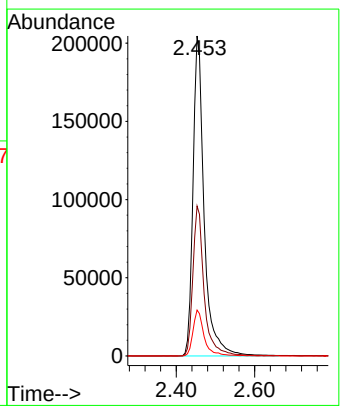


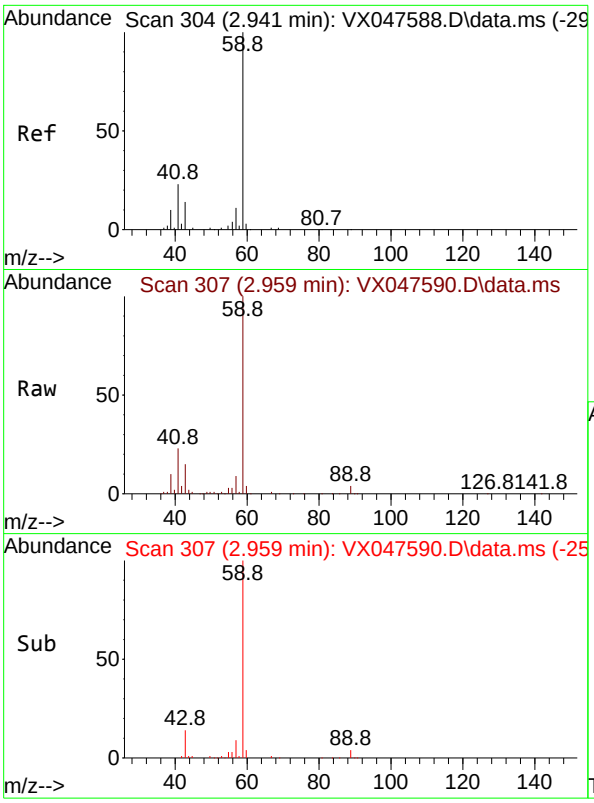




#10
Methyl Iodide
Concen: 147.384 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:142 Resp: 407242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.3 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |



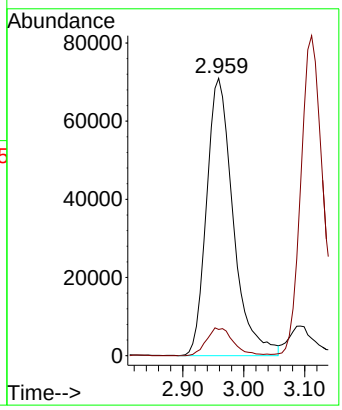


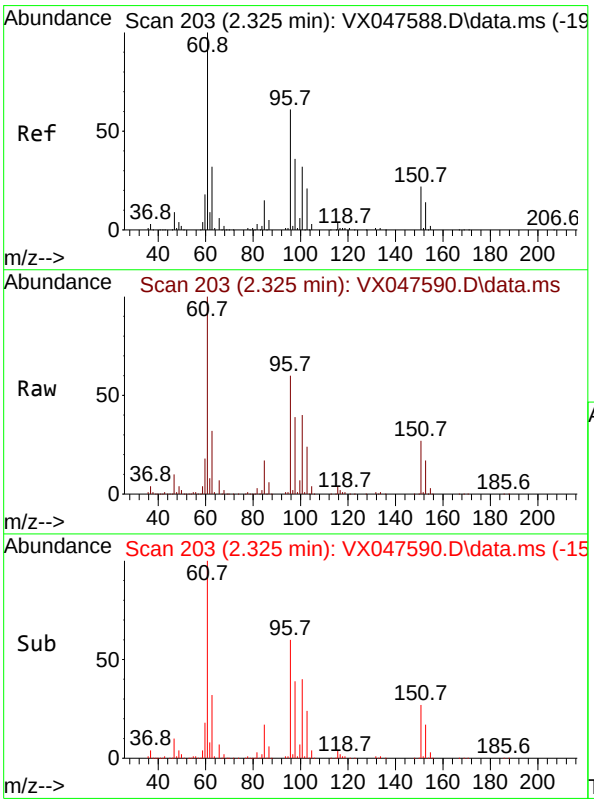

#11
Tert butyl alcohol
Concen: 795.166 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 59 Resp: 215927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.2 | 8.3 | 12.5 |

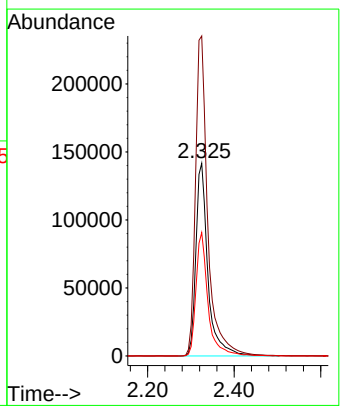


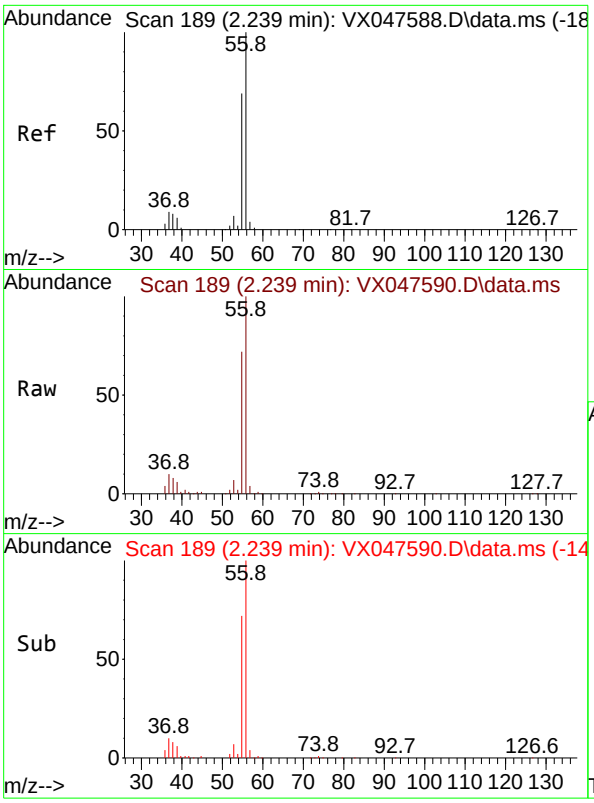




#12
1,1-Dichloroethene
Concen: 150.388 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 96 Resp: 273692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 166.1 | 131.0 | 196.6 |
| 98 | 64.0 | 47.7 | 71.5 |



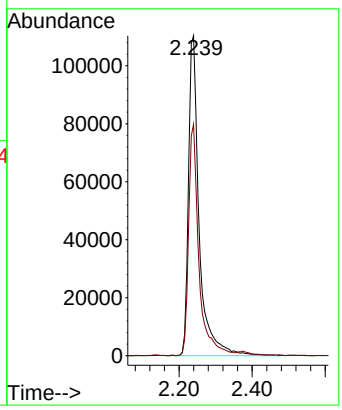


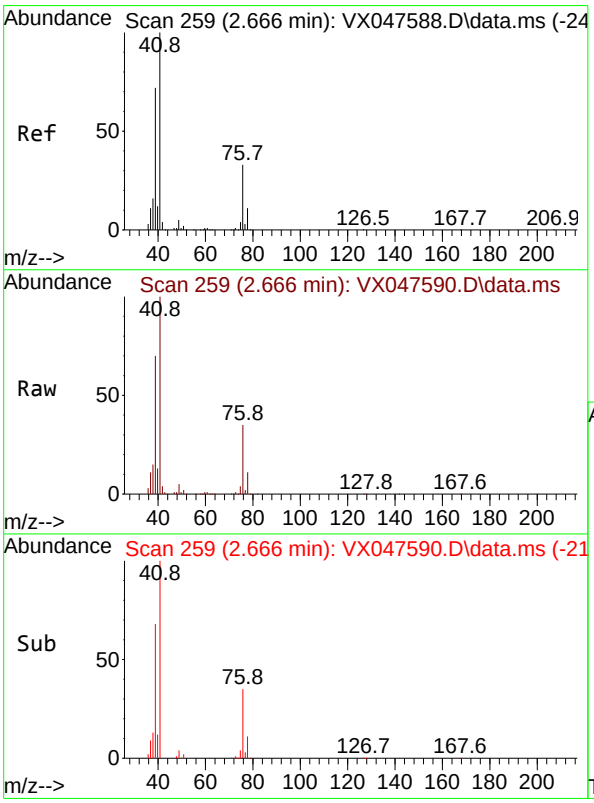

#13
Acrolein
Concen: 894.203 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 223763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.6 | 57.2 | 85.8 |

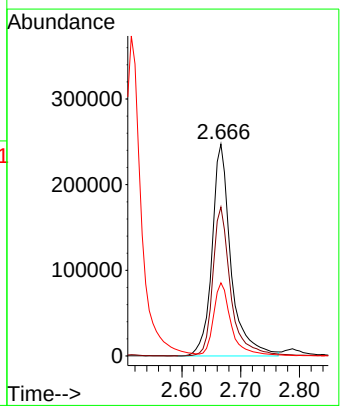


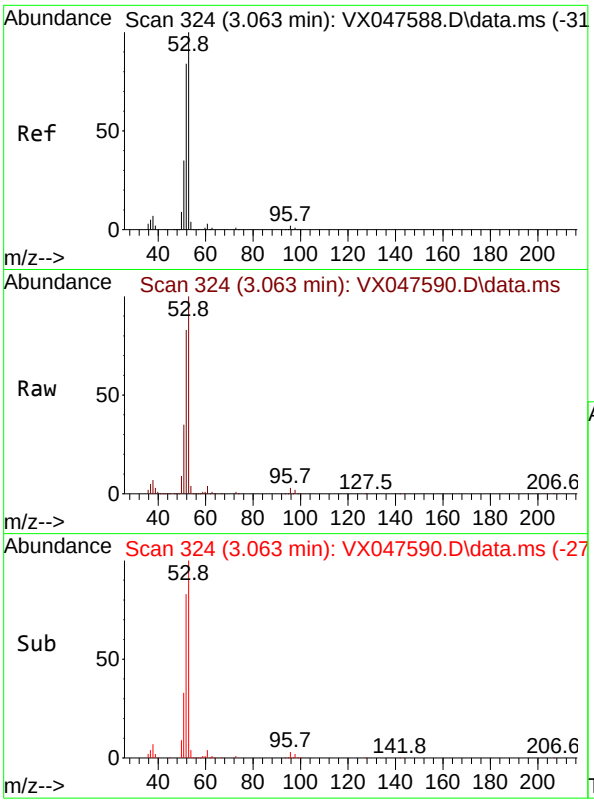




#14
Allyl chloride
Concen: 147.727 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 554779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.3 | 54.7 | 82.1 |
| 76 | 32.4 | 25.7 | 38.5 |



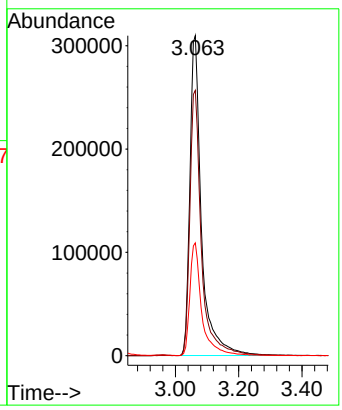


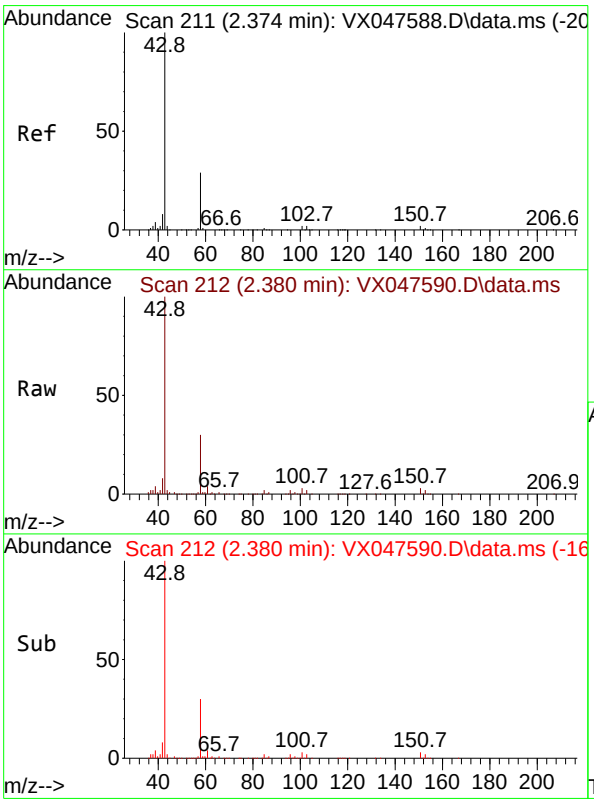

#15
Acrylonitrile
Concen: 786.201 ug/l
RT: 3.063 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 53 Resp: 790790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.1 | 29.5 | 44.3 |

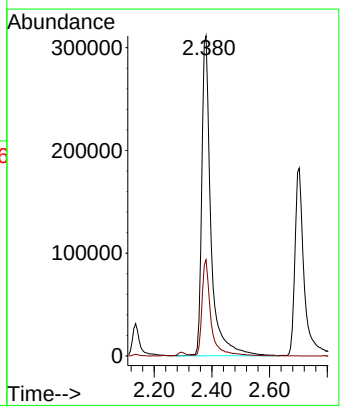


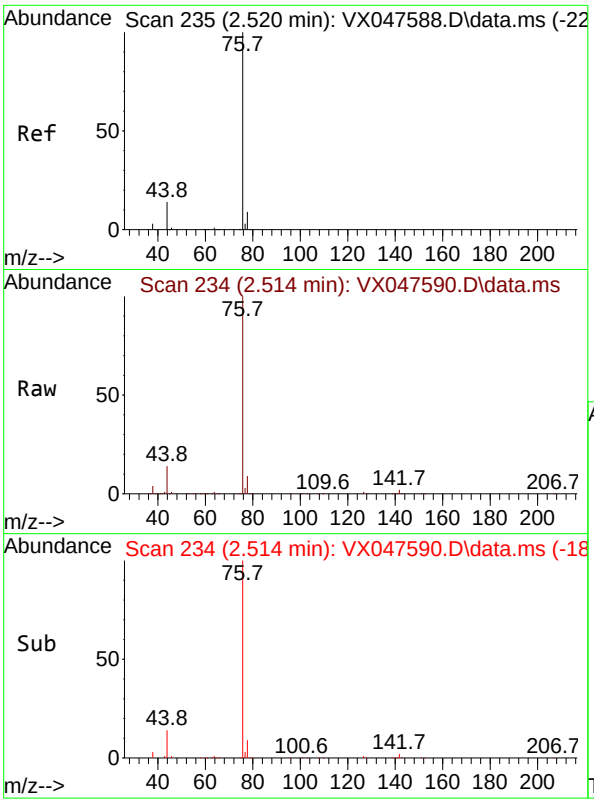




#16
Acetone
Concen: 647.201 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 686119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.0 | 23.4 | 35.0 |



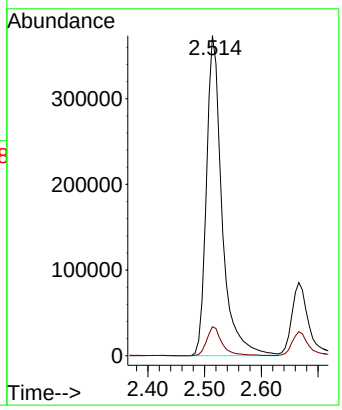


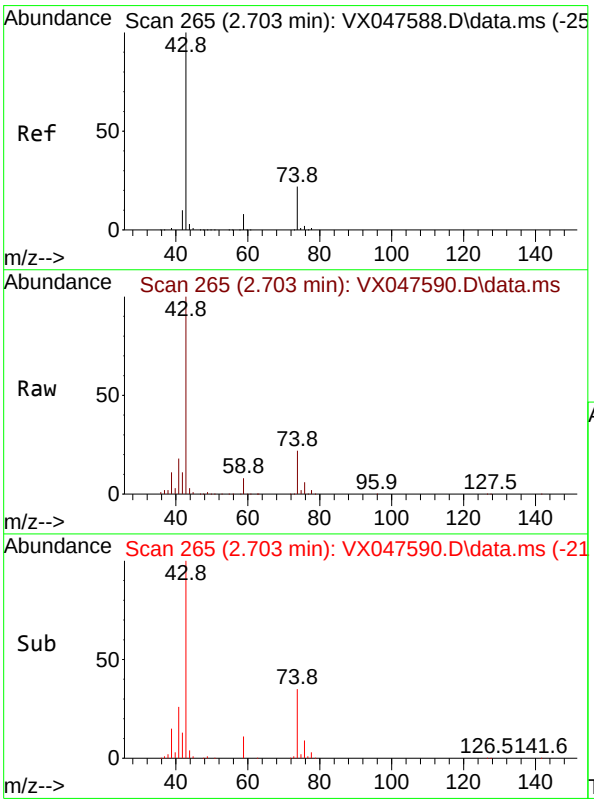

#17
Carbon Disulfide
Concen: 143.412 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 714503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |

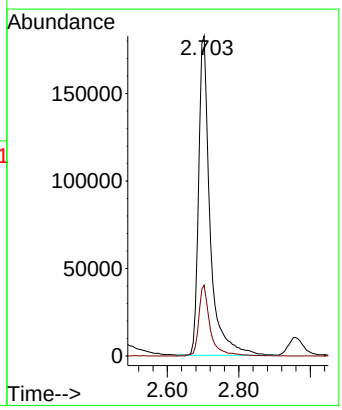


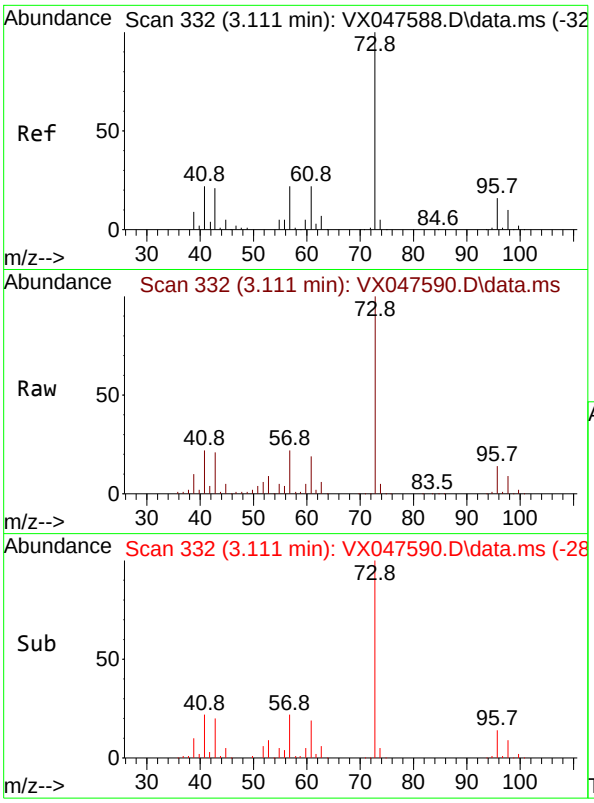




#18
Methyl Acetate
Concen: 171.548 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 404736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.1 | 17.4 | 26.2 |



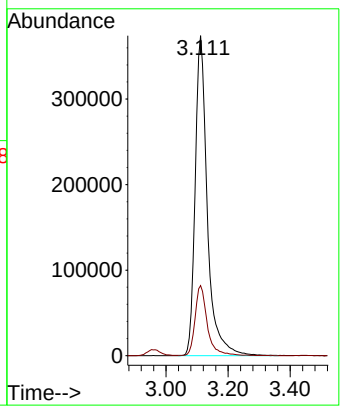


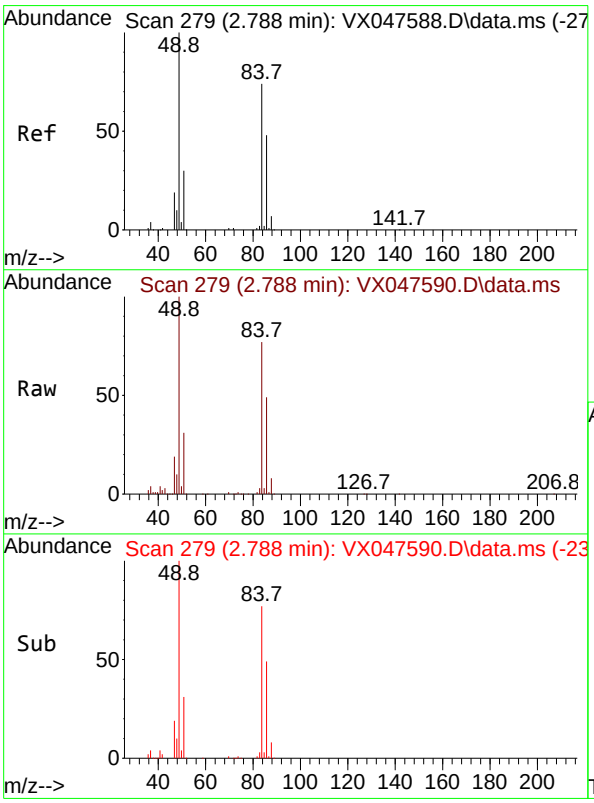

#19
Methyl tert-butyl Ether
Concen: 152.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 73 Resp: 1015295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.9 | 17.4 | 26.2 |

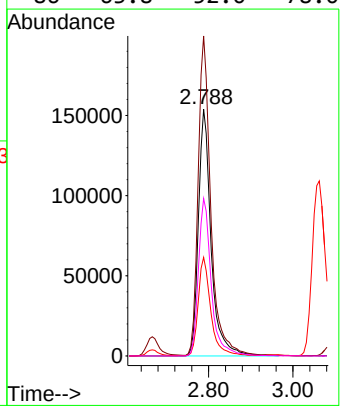


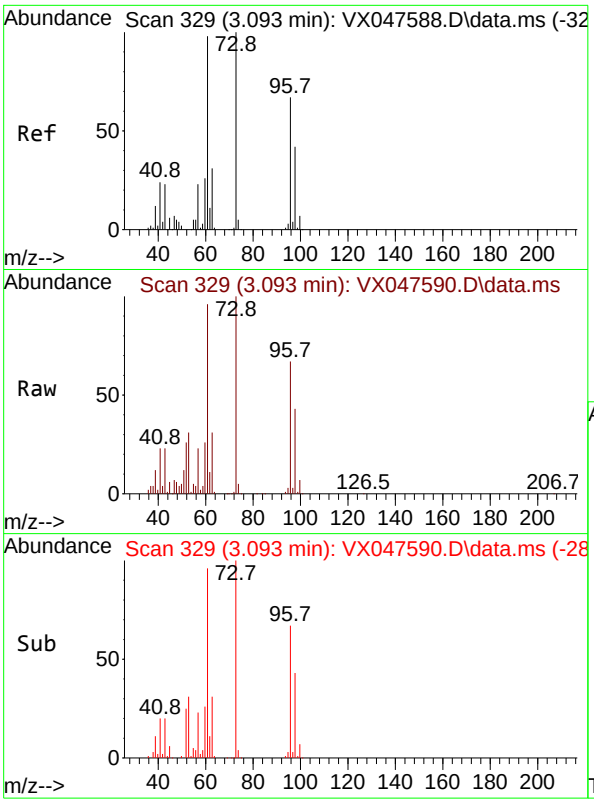




#20
Methylene Chloride
Concen: 144.398 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 84 Resp: 324032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.4 | 108.6 | 162.8 |
| 51 | 39.9 | 32.6 | 48.8 |
| 86 | 63.8 | 52.0 | 78.0 |



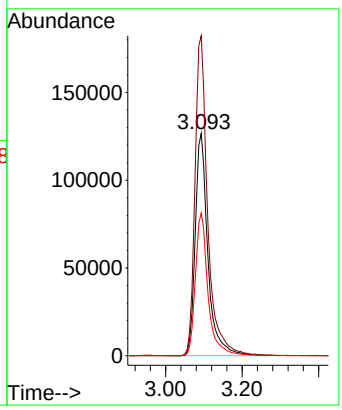


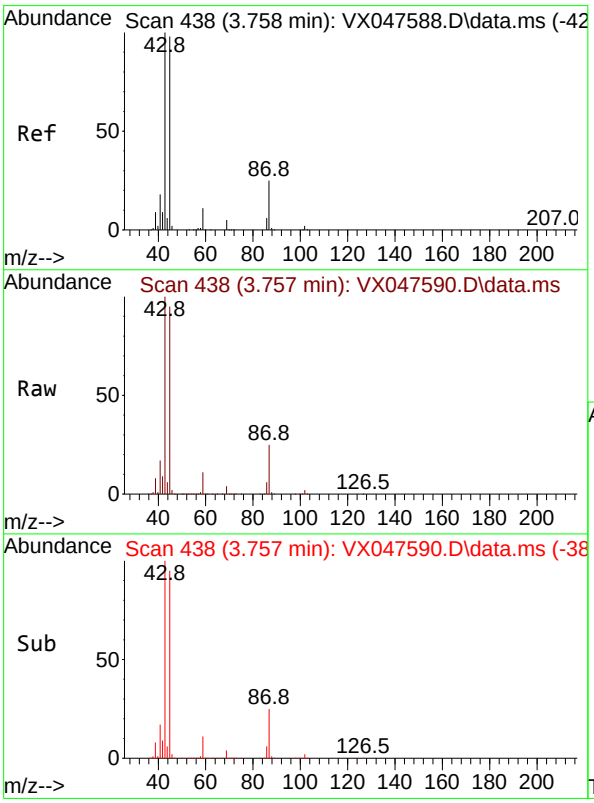

#21
trans-1,2-Dichloroethene
Concen: 148.833 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 291616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 116.2 | 174.2 |
| 98 | 64.3 | 49.3 | 73.9 |

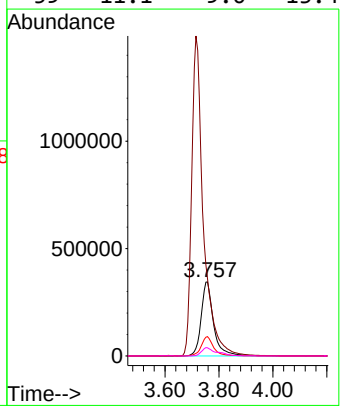


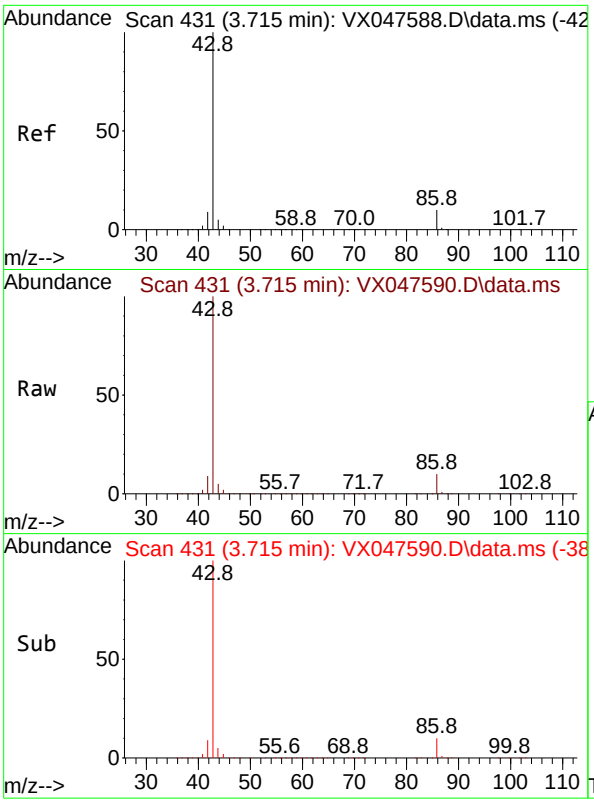




#22
Diisopropyl ether
Concen: 150.551 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 45 Resp: 1095726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 104.7 | 81.0 | 121.4 |
| 87 | 26.2 | 20.3 | 30.5 |
| 59 | 11.1 | 9.0 | 13.4 |



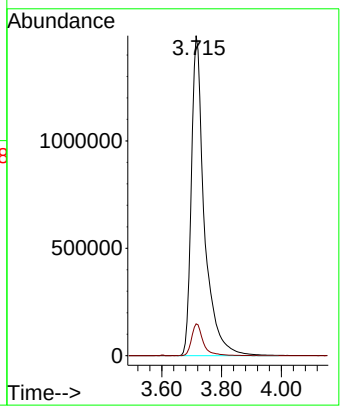


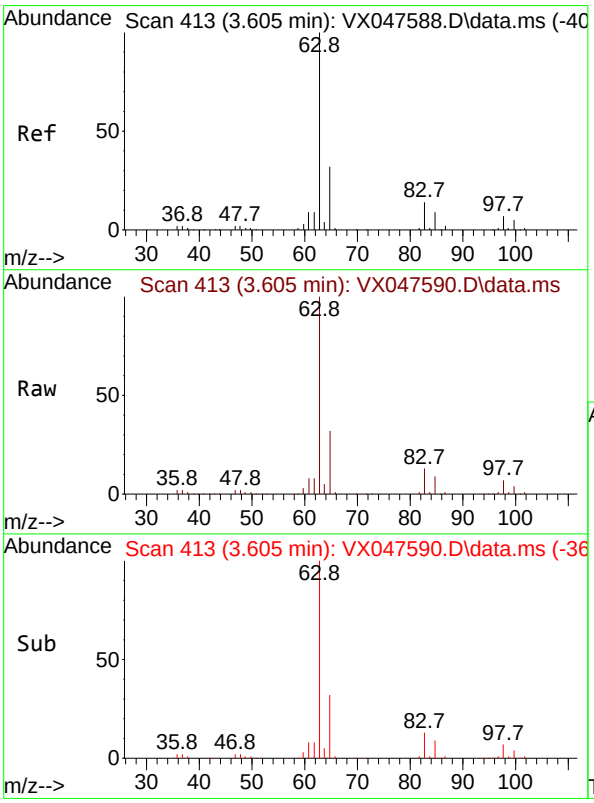

#23
Vinyl Acetate
Concen: 773.364 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 4504849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |

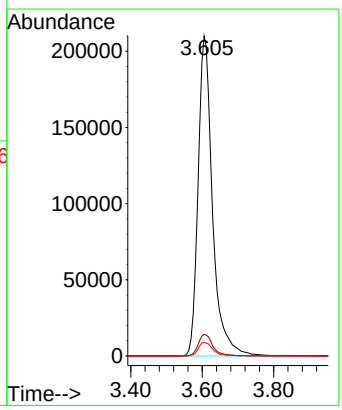


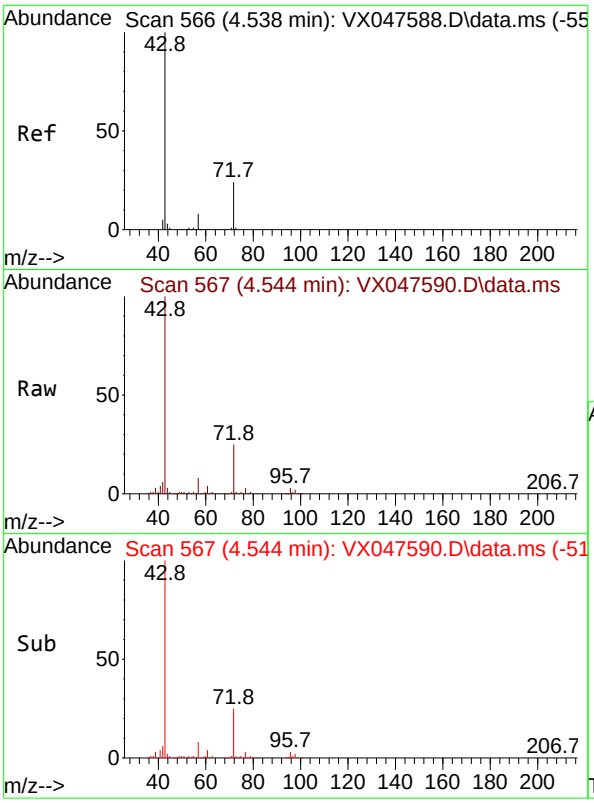




#24
1,1-Dichloroethane
Concen: 151.776 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 587129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.8 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |



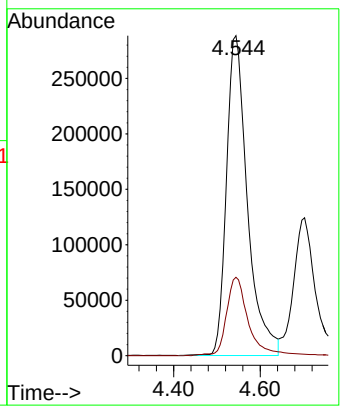


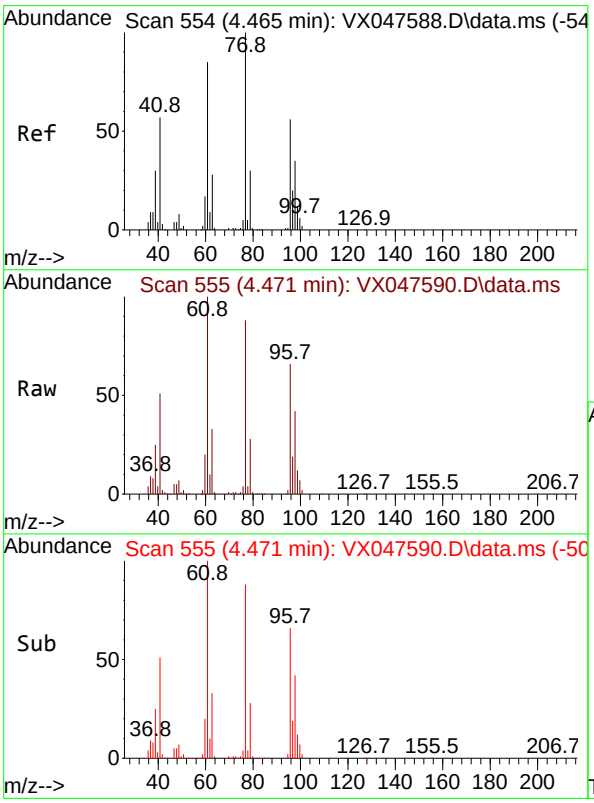

#25
2-Butanone
Concen: 736.502 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 973938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.1 | 30.1 |

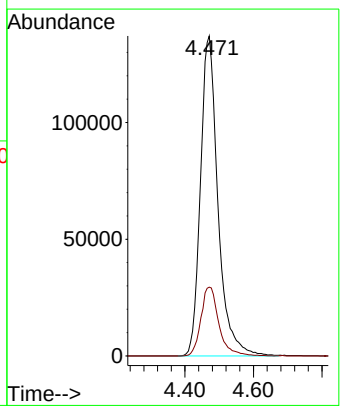


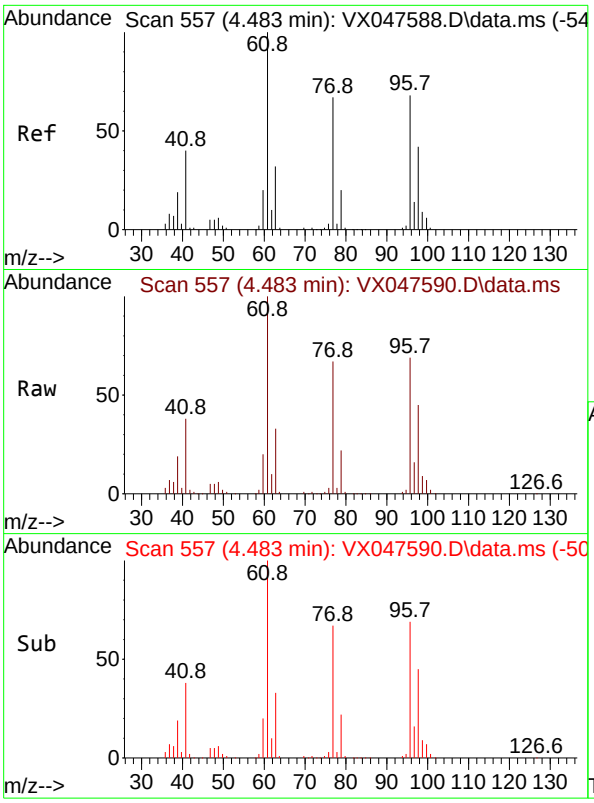




#26
2,2-Dichloropropane
Concen: 151.414 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 77 Resp: 486890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.1 | 10.9 | 32.7 |



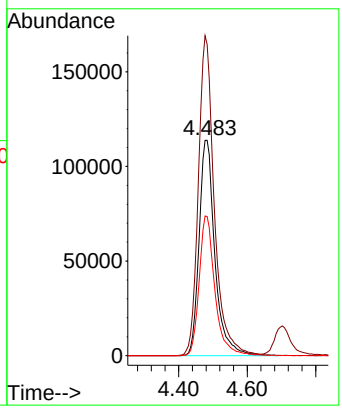


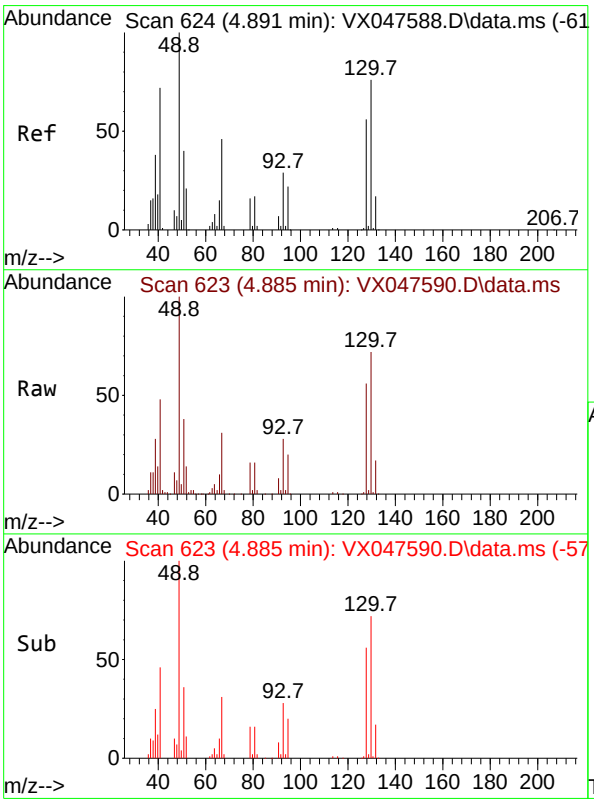

#27
cis-1,2-Dichloroethene
Concen: 152.638 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 96 Resp: 366262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.8 | 0.0 | 303.2 |
| 98 | 64.6 | 0.0 | 127.8 |

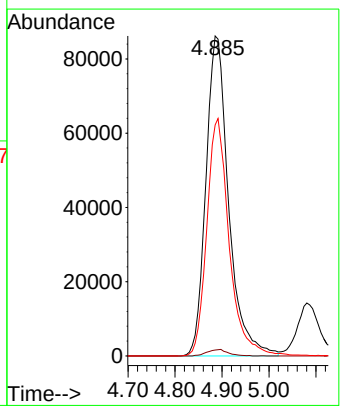


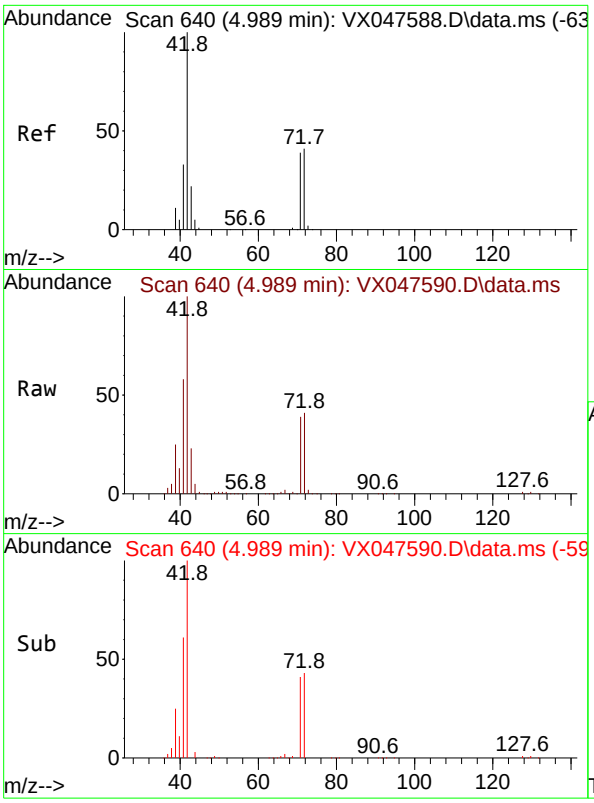




#28
Bromochloromethane
Concen: 171.451 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 49 Resp: 289548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 73.2 | 57.8 | 86.8 |



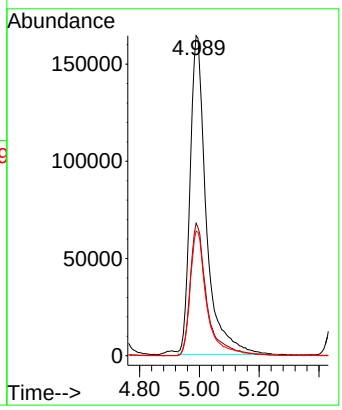


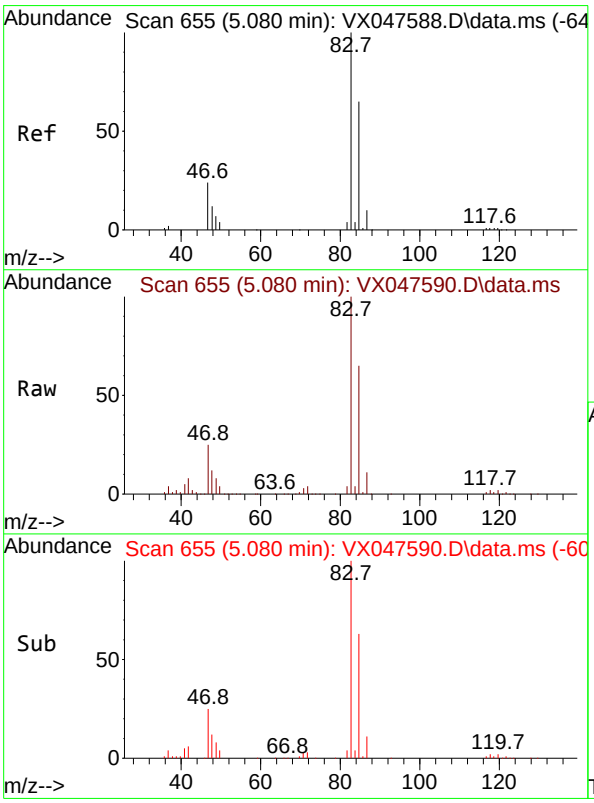

#29
Tetrahydrofuran
Concen: 774.811 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 42 Resp: 616374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.8 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |

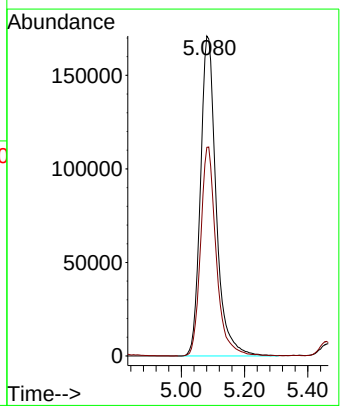


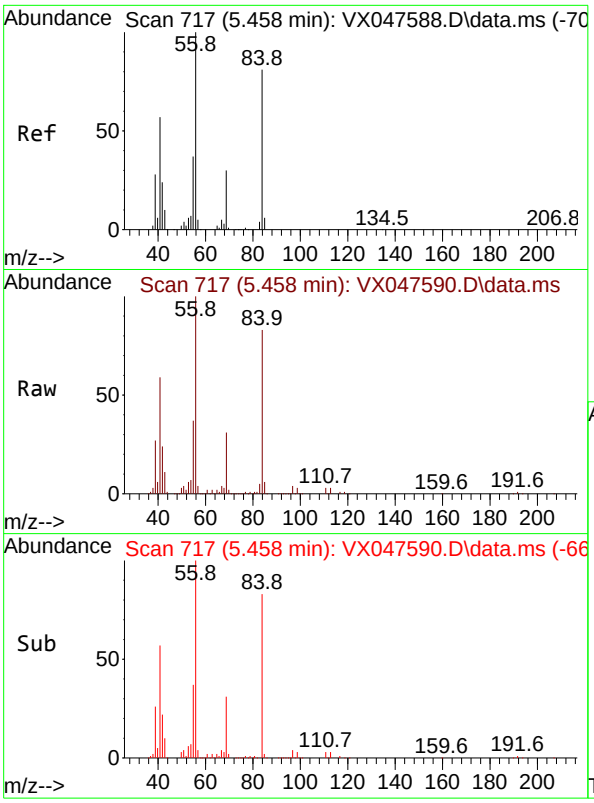




#30
Chloroform
Concen: 151.367 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 83 Resp: 591709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.2 | 51.8 | 77.6 |



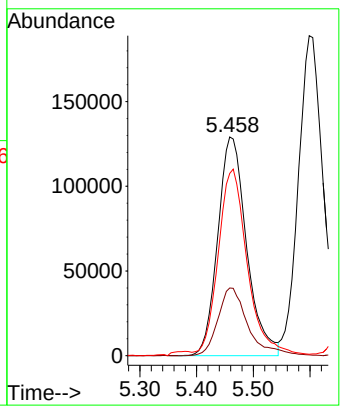


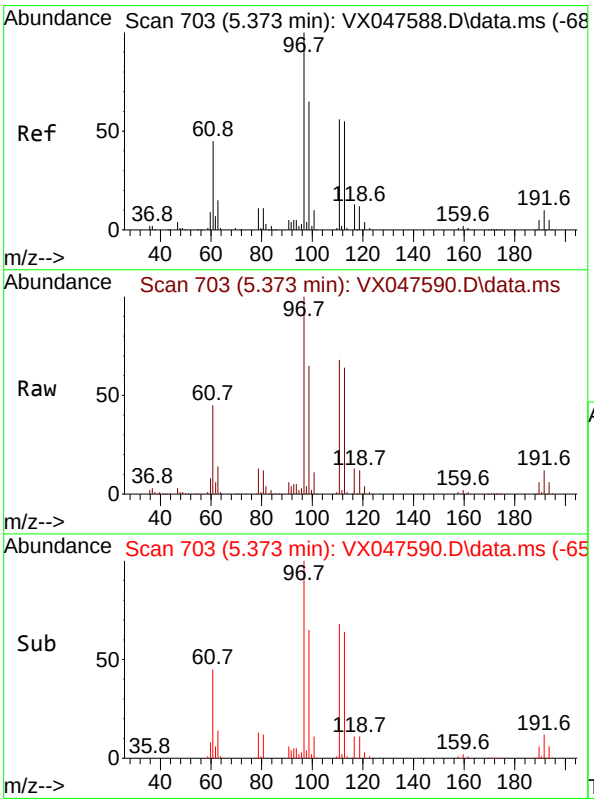

#31
Cyclohexane
Concen: 141.570 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 56 Resp: 456119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 23.8 | 35.8 |
| 84 | 81.5 | 64.6 | 97.0 |

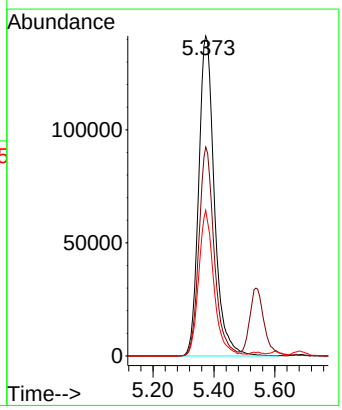


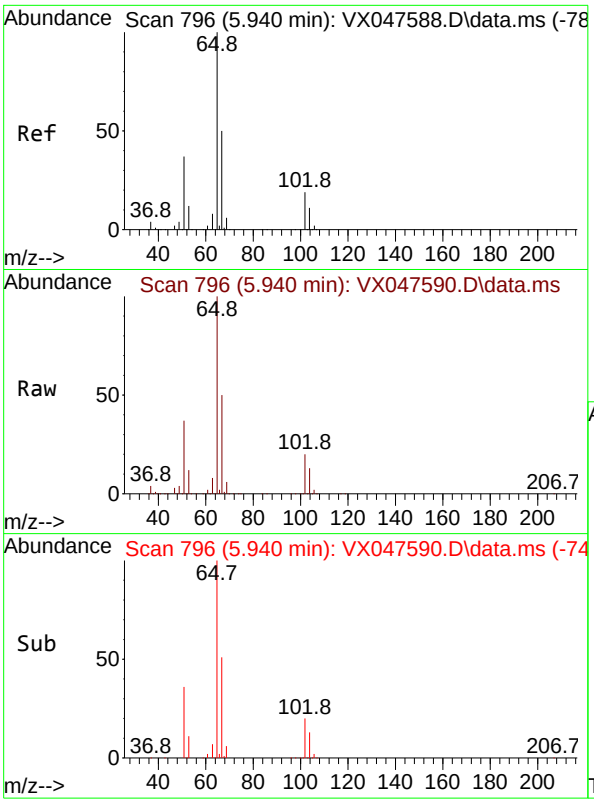




#32
1,1,1-Trichloroethane
Concen: 152.802 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 97 Resp: 506654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 44.2 | 35.8 | 53.8 |



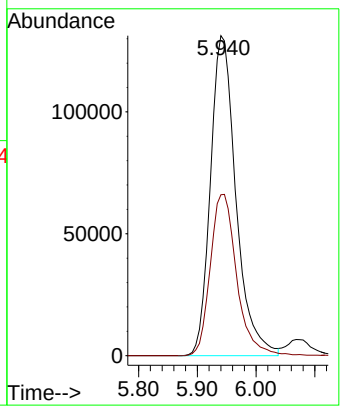


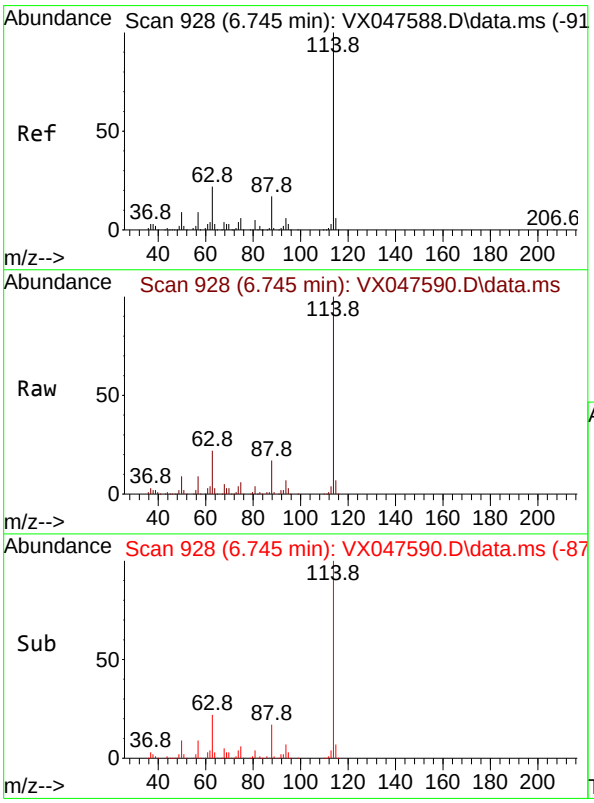

#33
1,2-Dichloroethane-d4
Concen: 162.673 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 65 Resp: 396627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 103.0 |

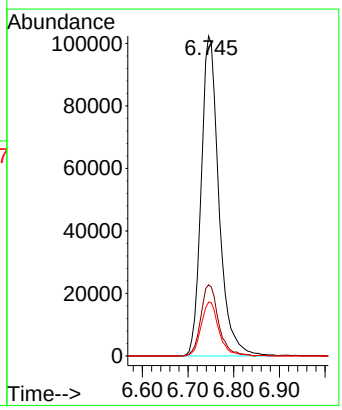


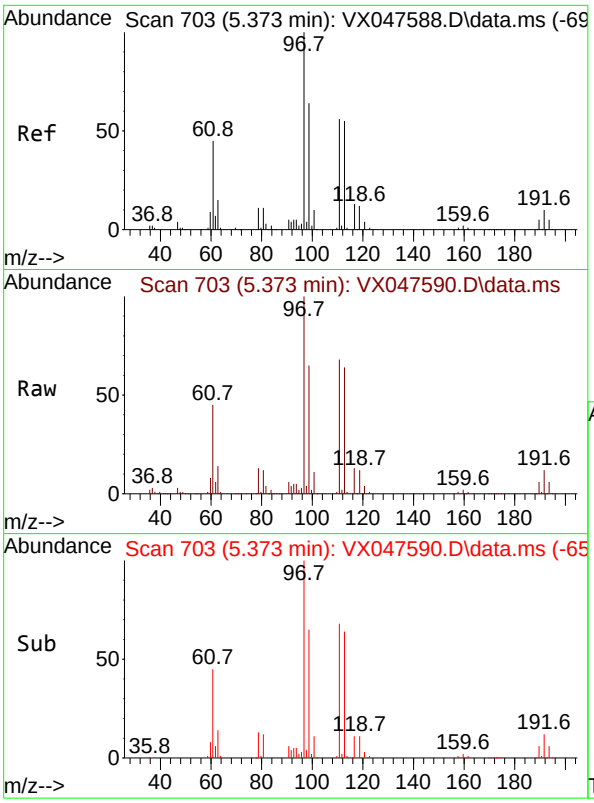




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:114 Resp: 274804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |



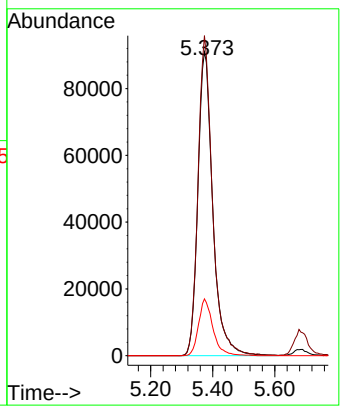


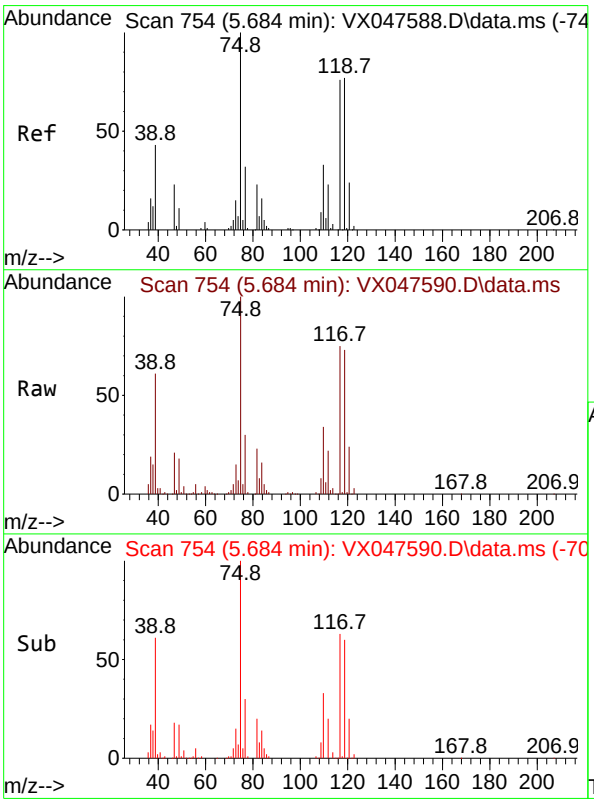

#35
Dibromofluoromethane
Concen: 164.802 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:113 Resp: 303728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 80.9 | 121.3 |
| 192 | 18.1 | 14.2 | 21.4 |

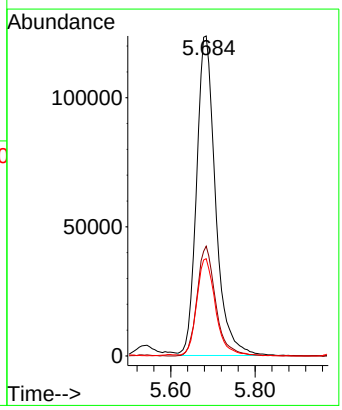


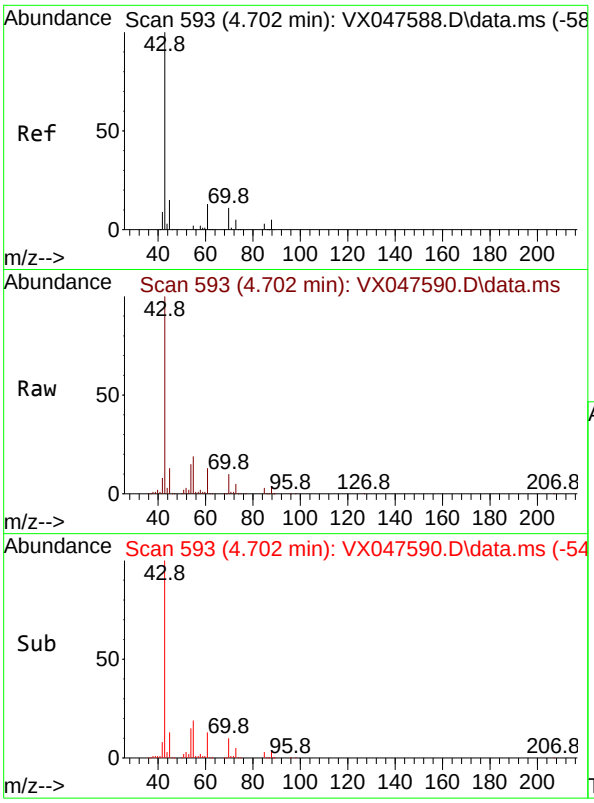




#36
1,1-Dichloropropene
Concen: 143.556 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 386601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 30.6 | 24.3 | 36.5 |



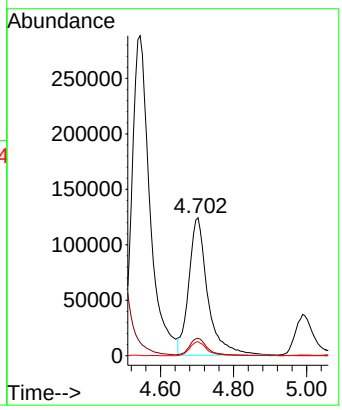


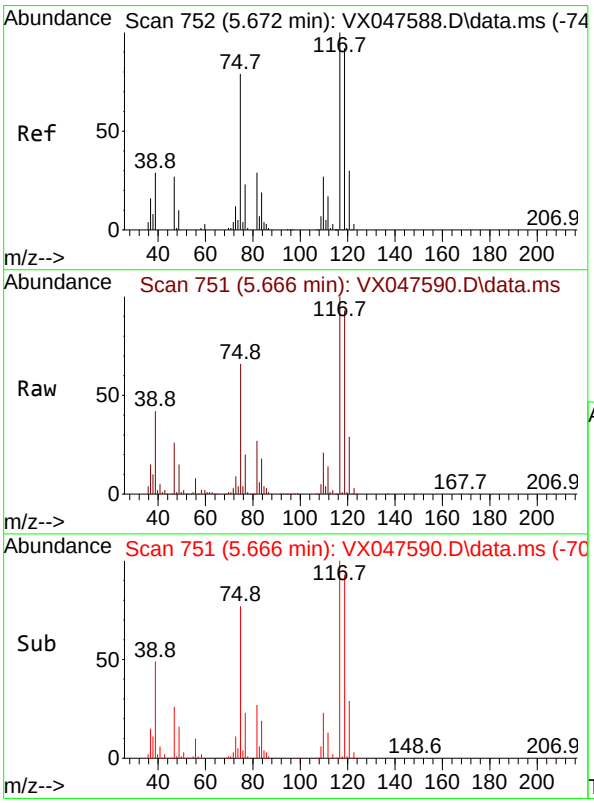

#37
Ethyl Acetate
Concen: 154.141 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 444461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.1 | 9.8 | 14.8 |
| 70 | 9.5 | 7.9 | 11.9 |

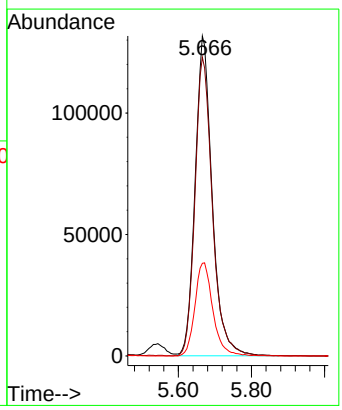


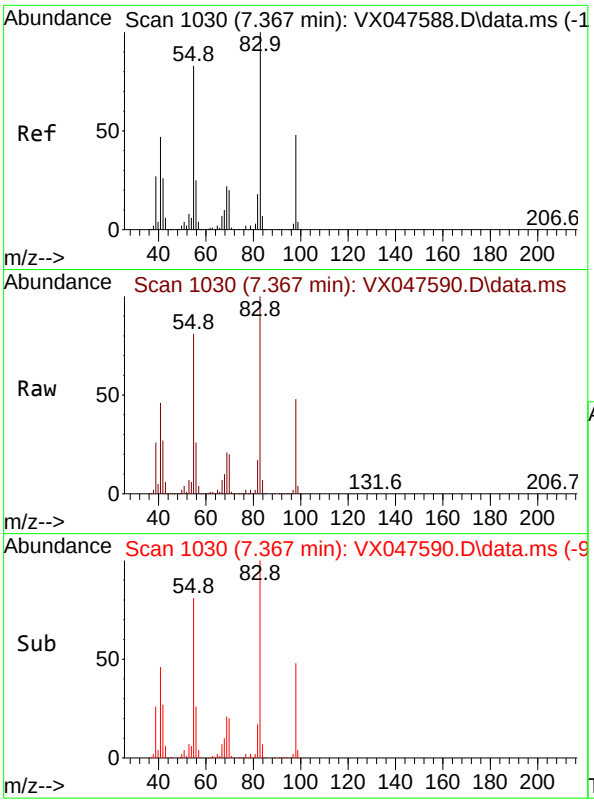




#38
Carbon Tetrachloride
Concen: 146.021 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 427263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 93.3 | 73.4 | 110.2 |
| 121 | 29.0 | 23.8 | 35.6 |



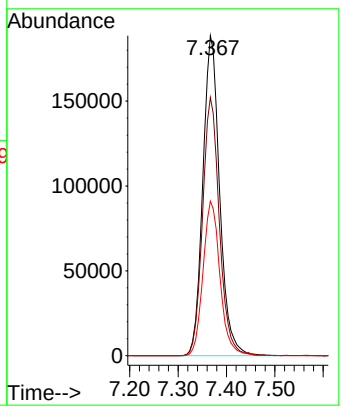


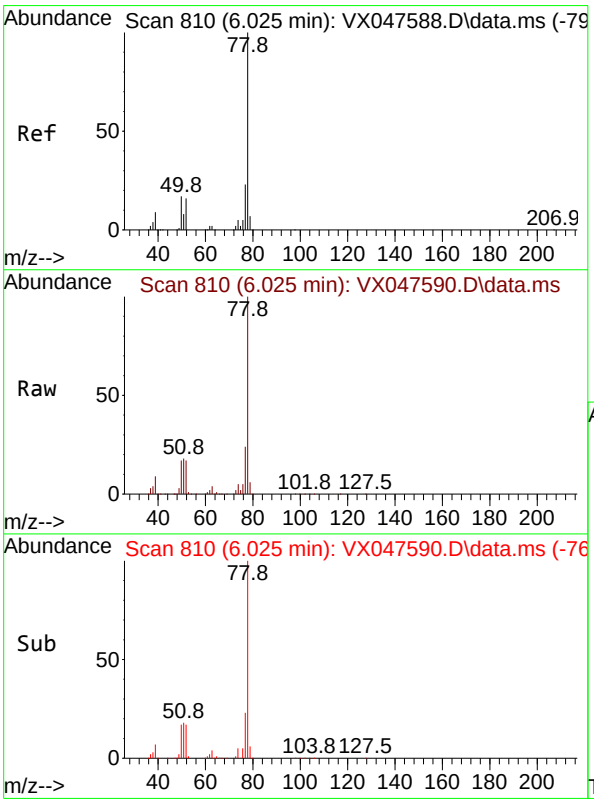

#39
Methylcyclohexane
Concen: 149.395 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 456694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.7 | 66.4 | 99.6 |
| 98 | 48.3 | 38.1 | 57.1 |

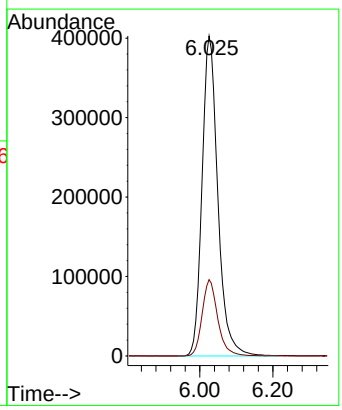


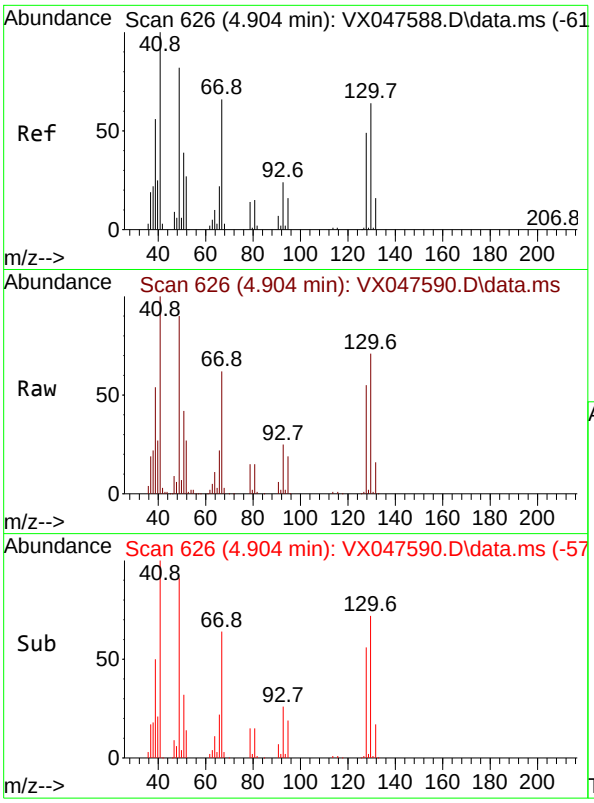




#40
Benzene
Concen: 147.057 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 78 Resp: 1202846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.9 | 18.8 | 28.2 |



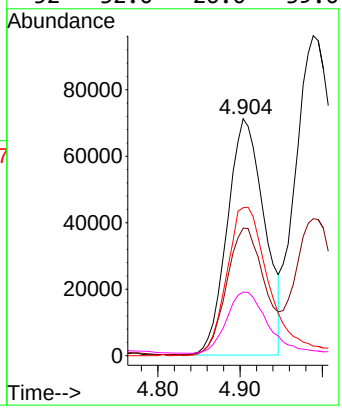


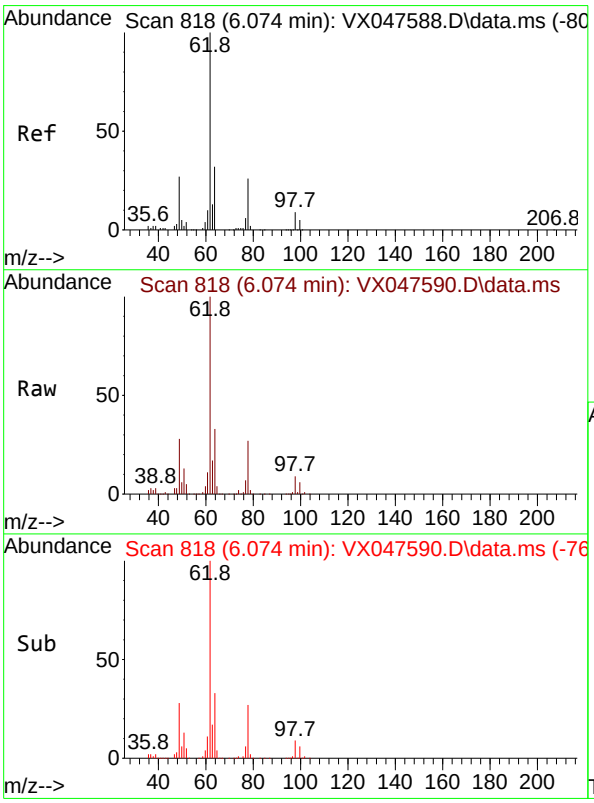

#41
Methacrylonitrile
Concen: 149.951 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 41 Resp: 223218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.5 | 43.3 | 64.9 |
| 67 | 74.6 | 58.6 | 87.8 |
| 52 | 32.0 | 26.0 | 39.0 |

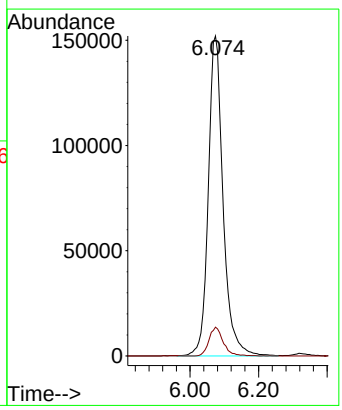


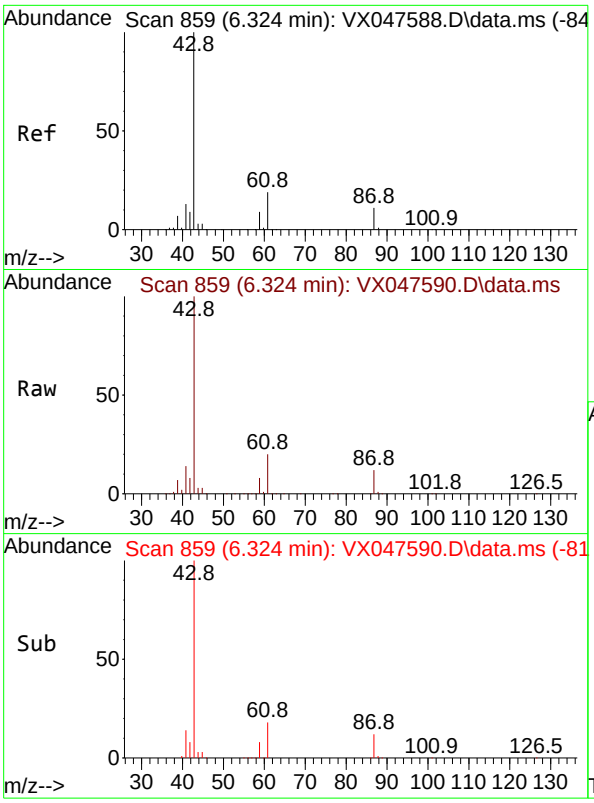




#42
1,2-Dichloroethane
Concen: 146.515 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 62 Resp: 455978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |



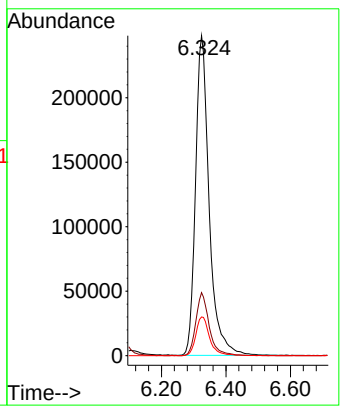


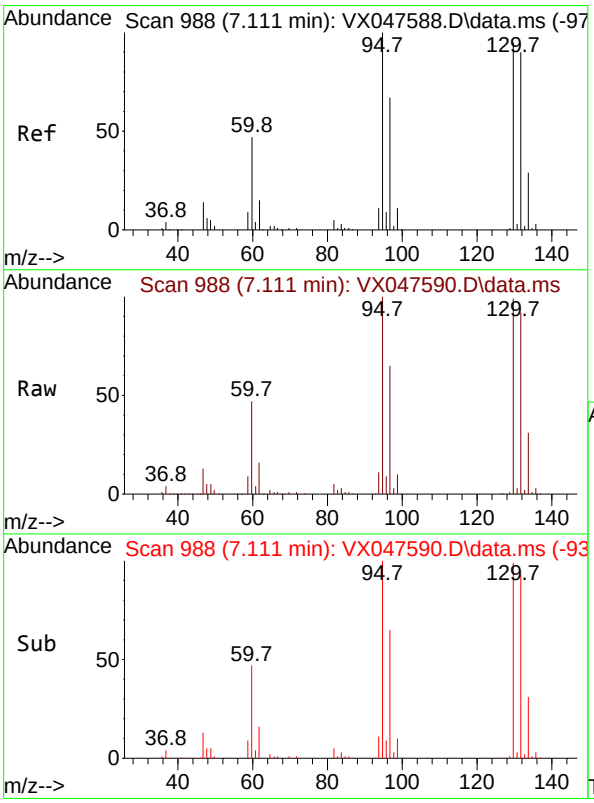

#43
Isopropyl Acetate
Concen: 153.283 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 724888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.3 | 9.6 | 14.4 |

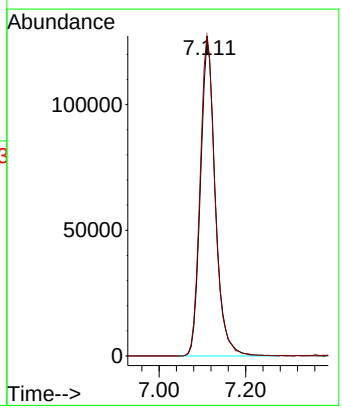


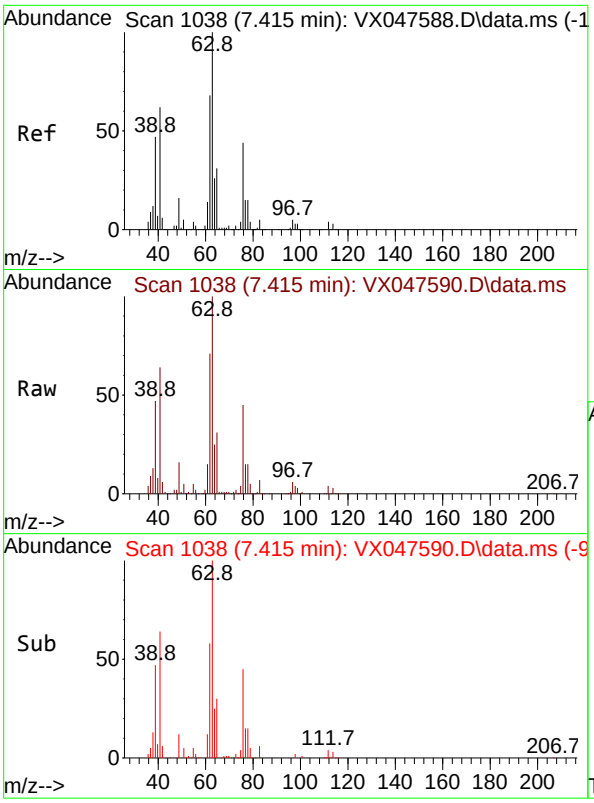




#44
Trichloroethene
Concen: 151.542 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:130 Resp: 299673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 101.1 | 0.0 | 210.8 |



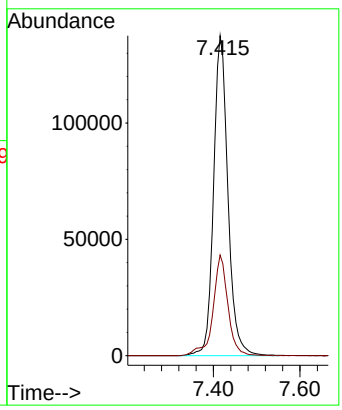


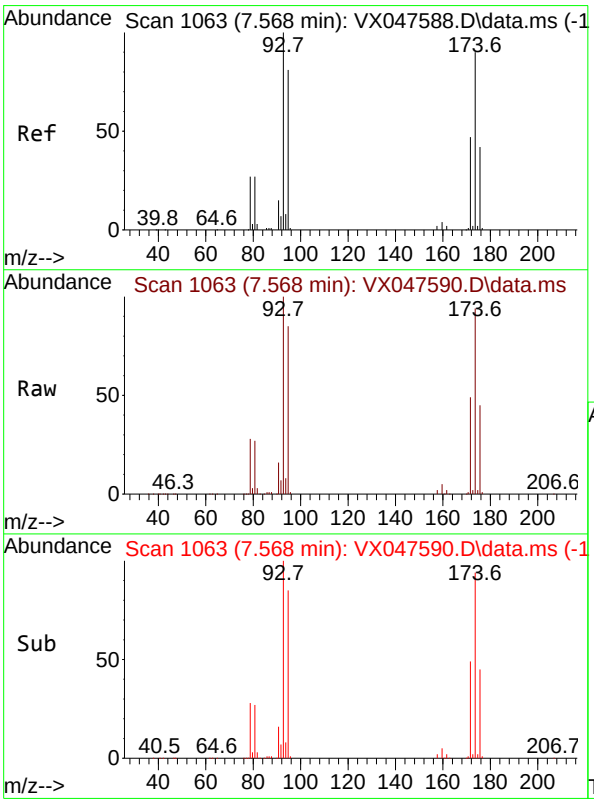

#45
1,2-Dichloropropane
Concen: 151.219 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 63 Resp: 316720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |

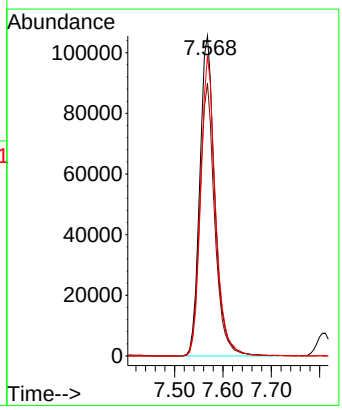


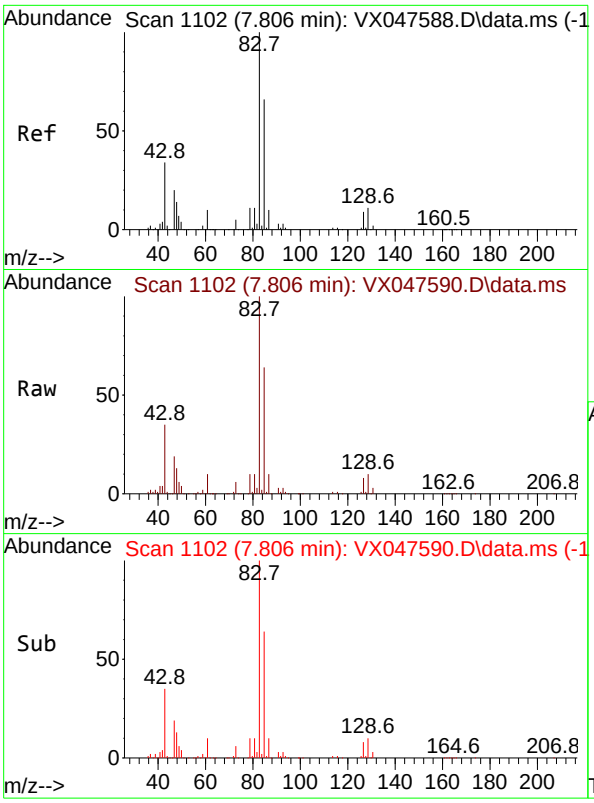




#46
Dibromomethane
Concen: 149.954 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 93 Resp: 228550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 84.2 | 65.0 | 97.6 |
| 174 | 92.5 | 71.6 | 107.4 |



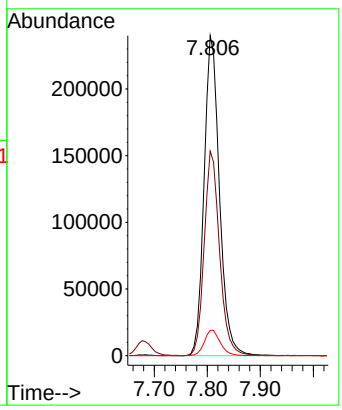


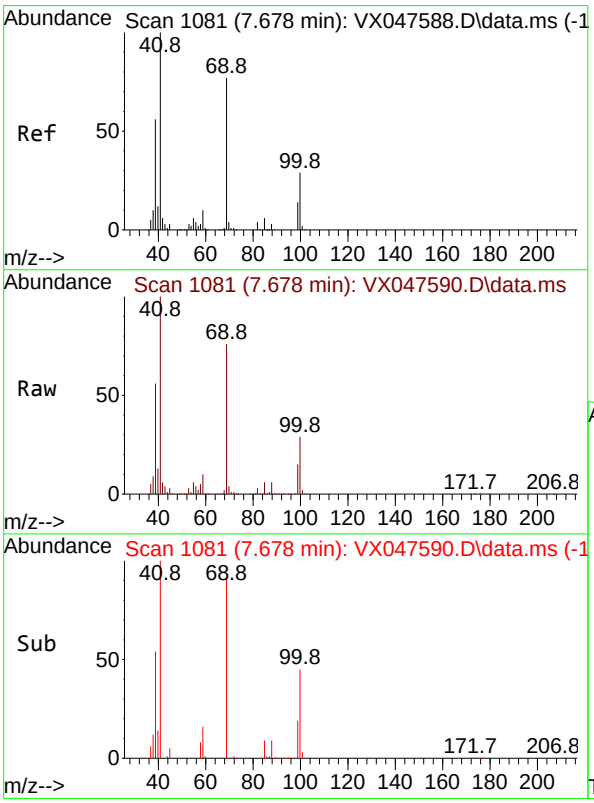

#47
Bromodichloromethane
Concen: 153.710 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 483438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.9 | 52.5 | 78.7 |
| 127 | 7.9 | 6.9 | 10.3 |

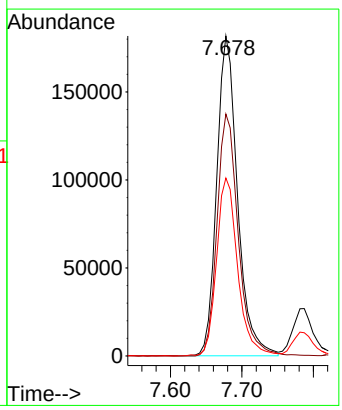


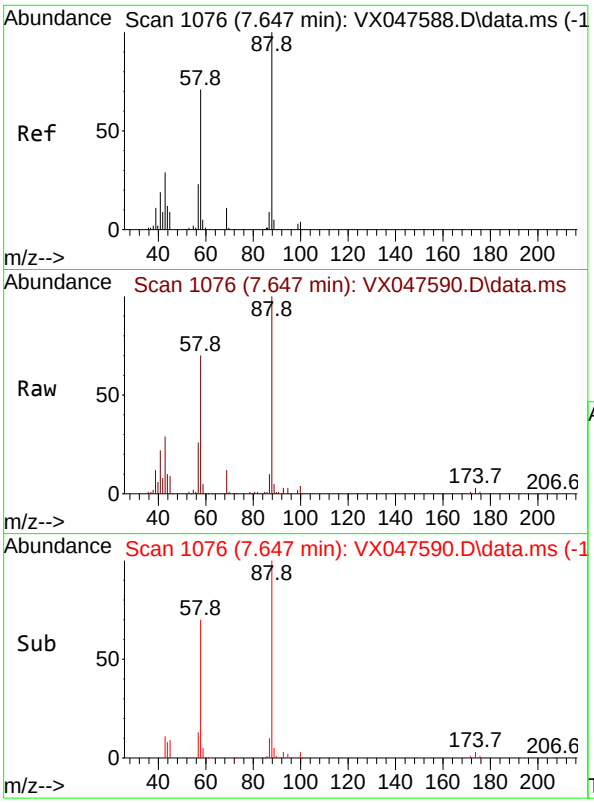




#48
Methyl methacrylate
Concen: 156.194 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 41 Resp: 367931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.2 | 61.4 | 92.2 |
| 39 | 56.5 | 45.8 | 68.6 |



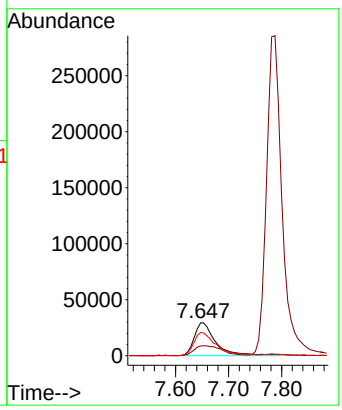


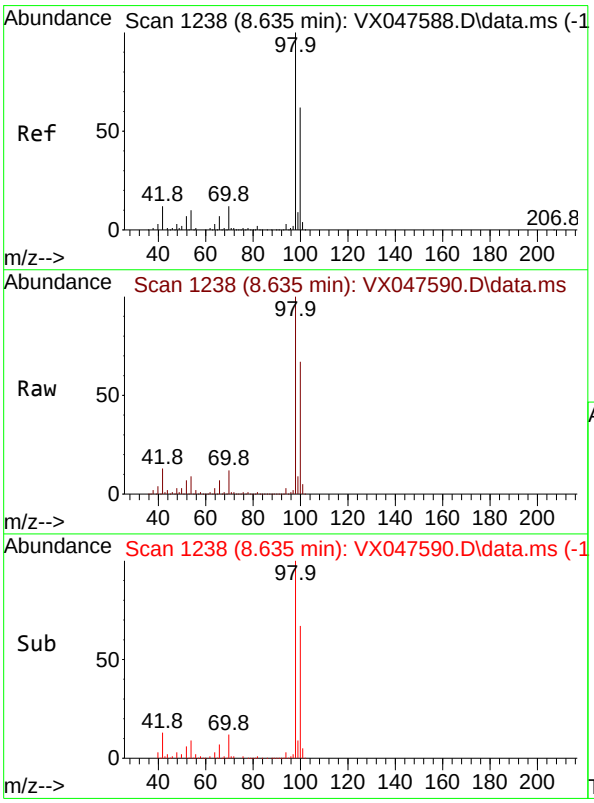

#49
1,4-Dioxane
Concen: 3475.565 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 88 Resp: 82739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.5 | 30.2 | 45.2 |
| 58 | 73.0 | 59.5 | 89.3 |

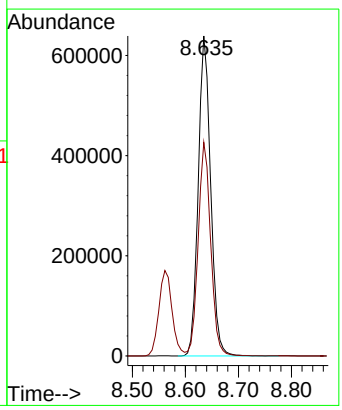


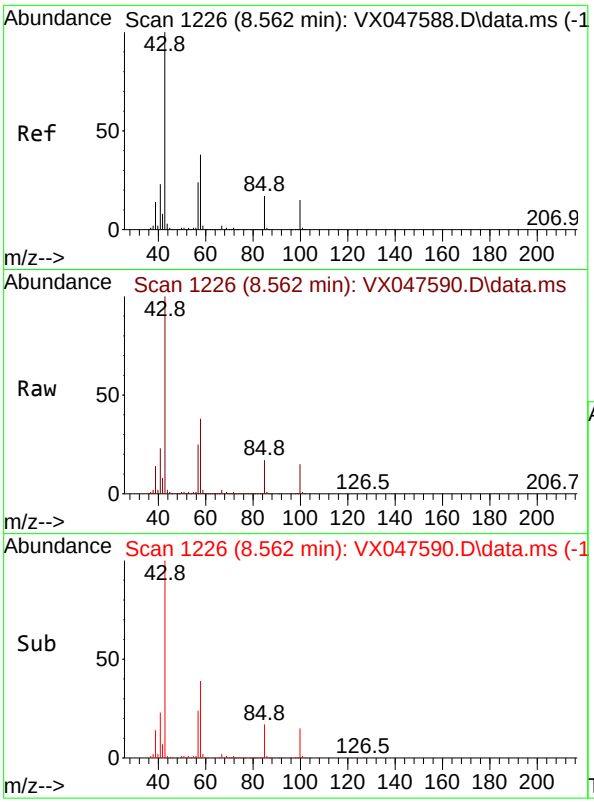




#50
Toluene-d8
Concen: 163.253 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 98 Resp: 1041079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |



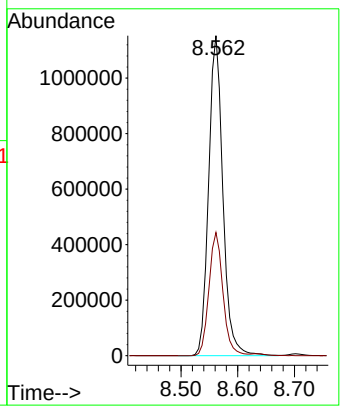


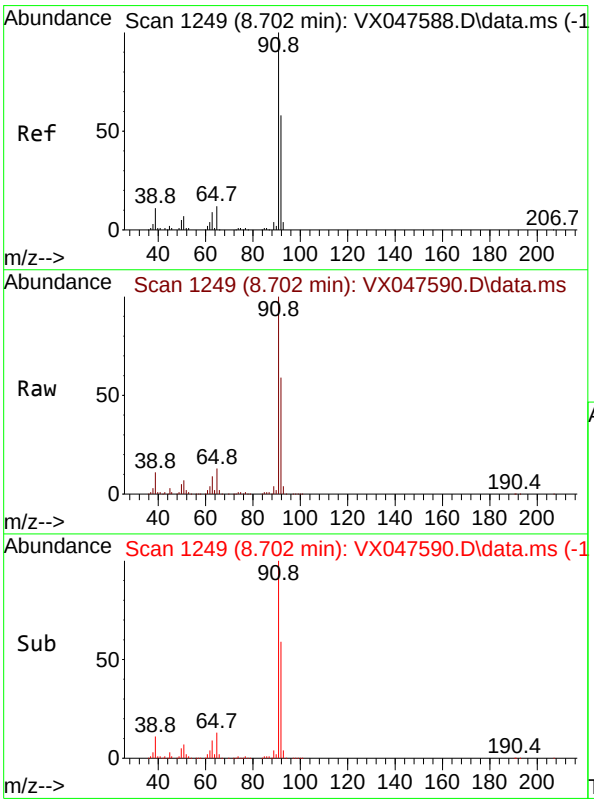

#51
4-Methyl-2-Pentanone
Concen: 765.849 ug/l
RT: 8.562 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 2008063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |

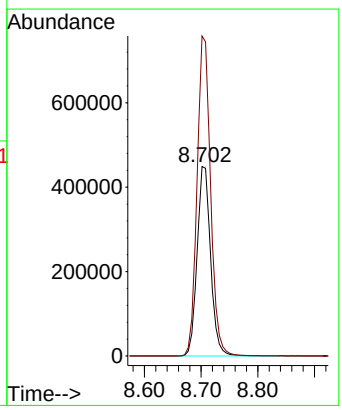


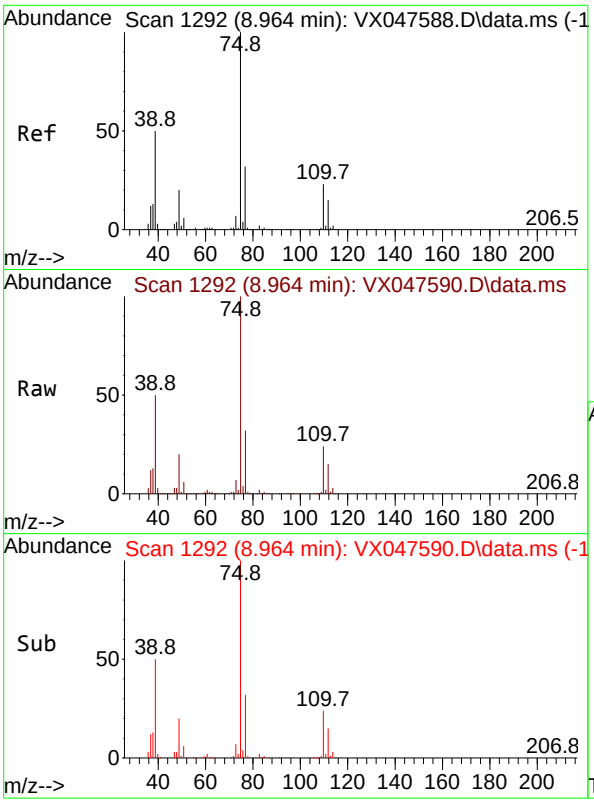




#52
Toluene
Concen: 146.712 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 92 Resp: 739332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.5 | 137.1 | 205.7 |



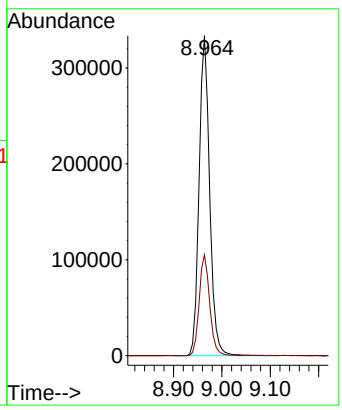


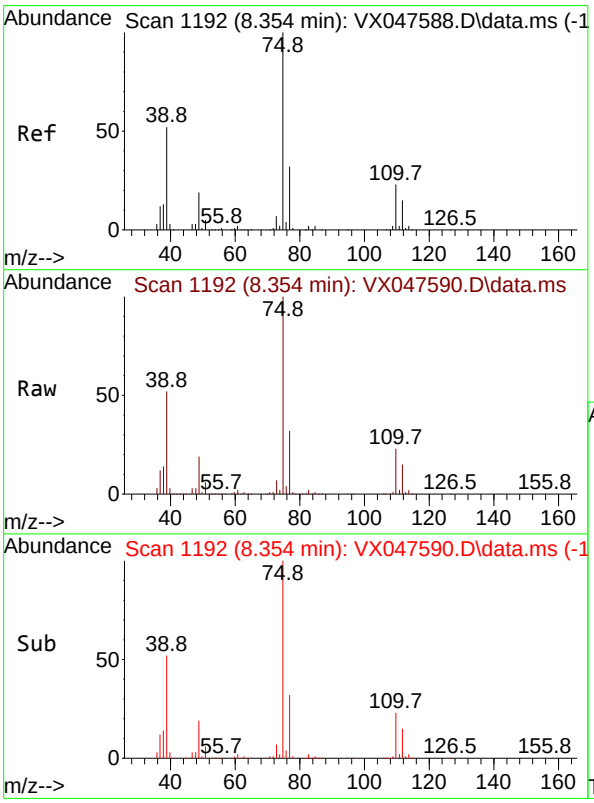

#53
t-1,3-Dichloropropene
Concen: 157.076 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 503912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |

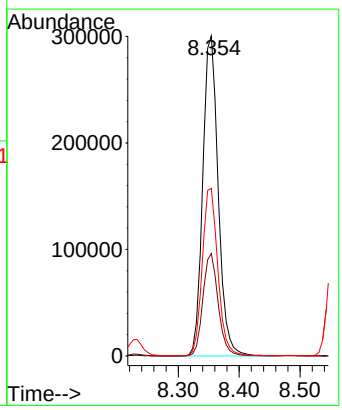


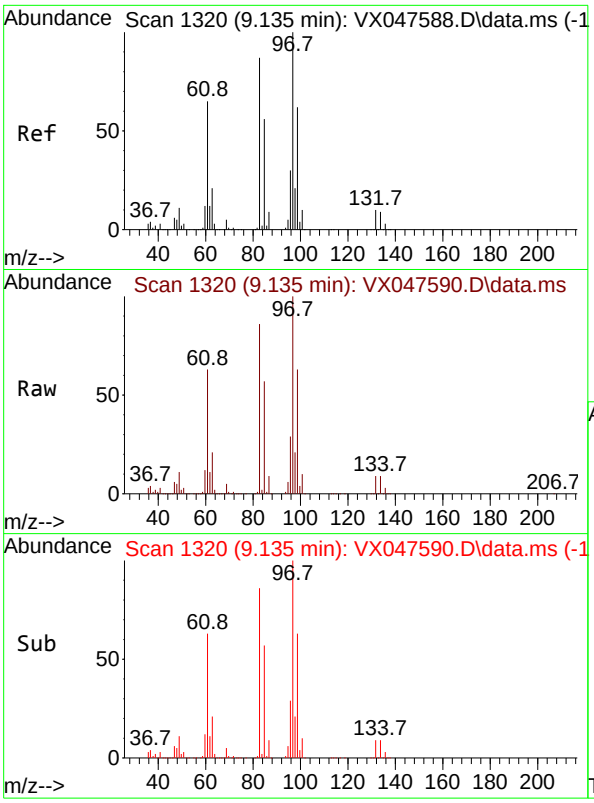




#54
cis-1,3-Dichloropropene
Concen: 154.732 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 530566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.0 | 25.8 | 38.6 |
| 39 | 52.3 | 41.4 | 62.2 |



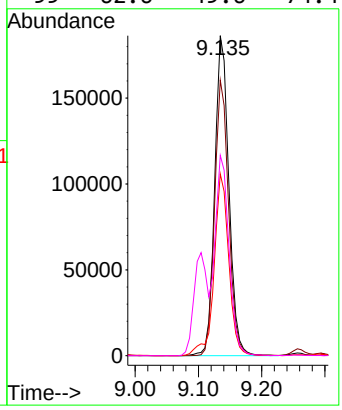


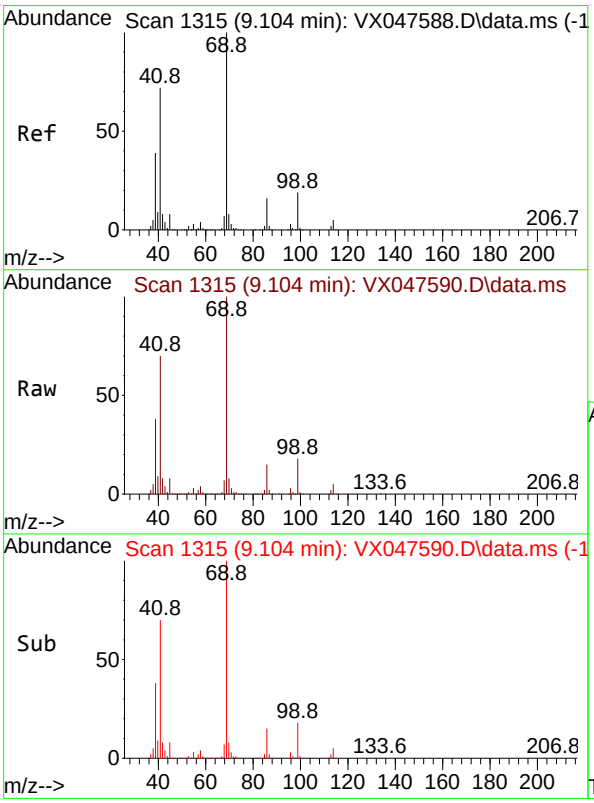

#55
1,1,2-Trichloroethane
Concen: 148.781 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 97 Resp: 289103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 56.8 | 45.0 | 67.6 |
| 99 | 62.6 | 49.6 | 74.4 |

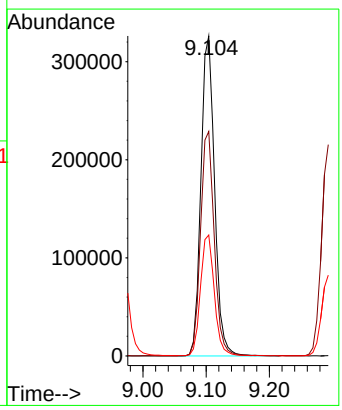


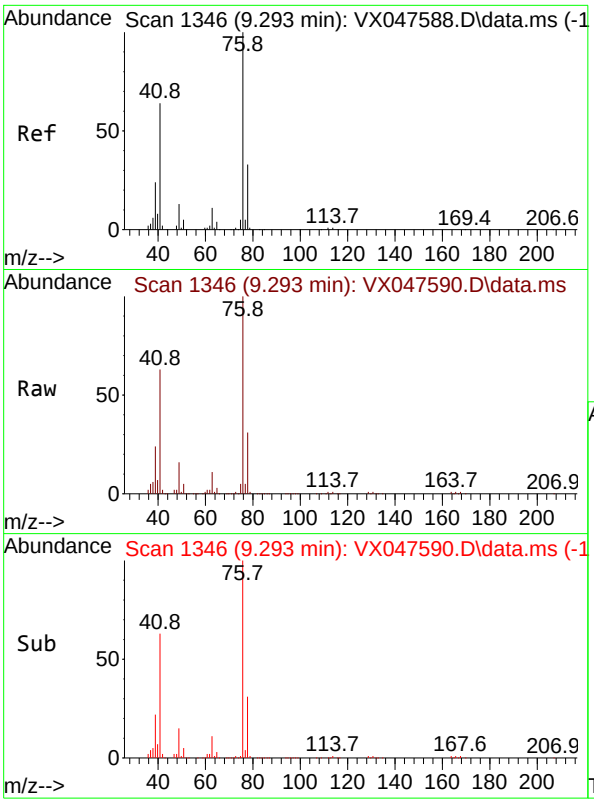




#56
Ethyl methacrylate
Concen: 160.773 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 69 Resp: 490623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.5 | 58.6 | 87.8 |
| 39 | 38.2 | 31.5 | 47.3 |



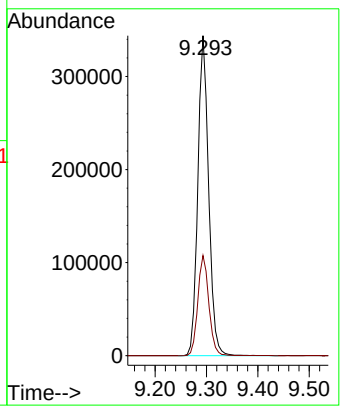


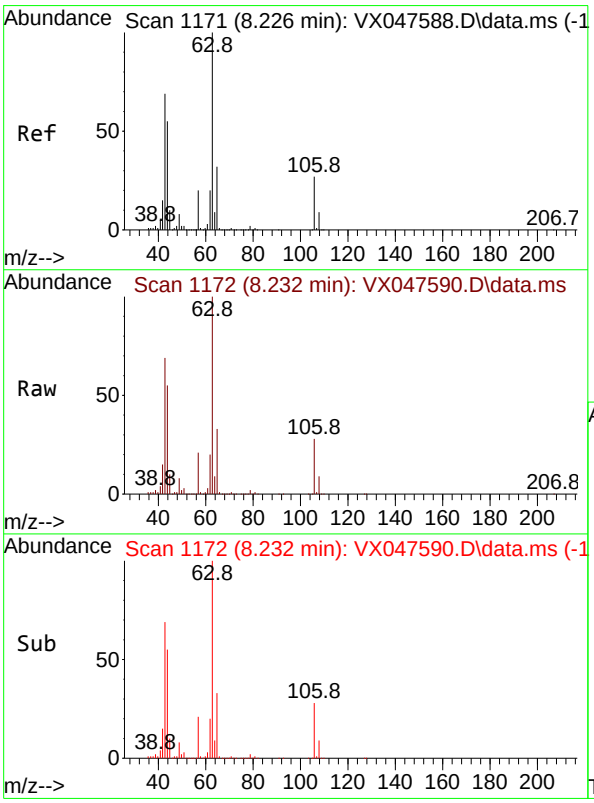

#57
1,3-Dichloropropane
Concen: 150.426 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 76 Resp: 502121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.2 | 39.4 |

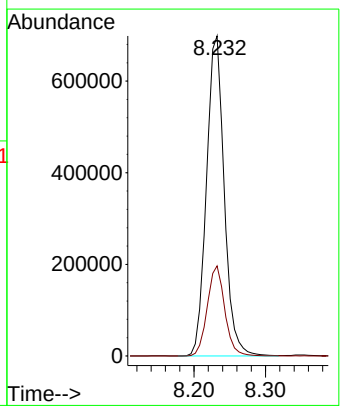


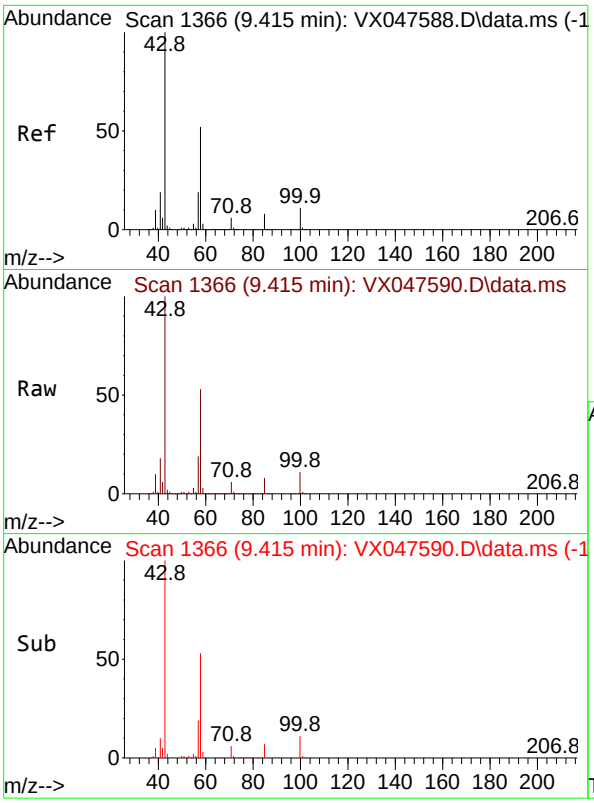




#58
2-Chloroethyl Vinyl ether
Concen: 749.661 ug/l
RT: 8.232 min Scan# 1172
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 63 Resp: 1202206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.7 | 21.9 | 32.9 |



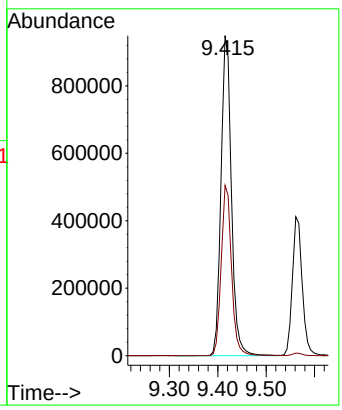


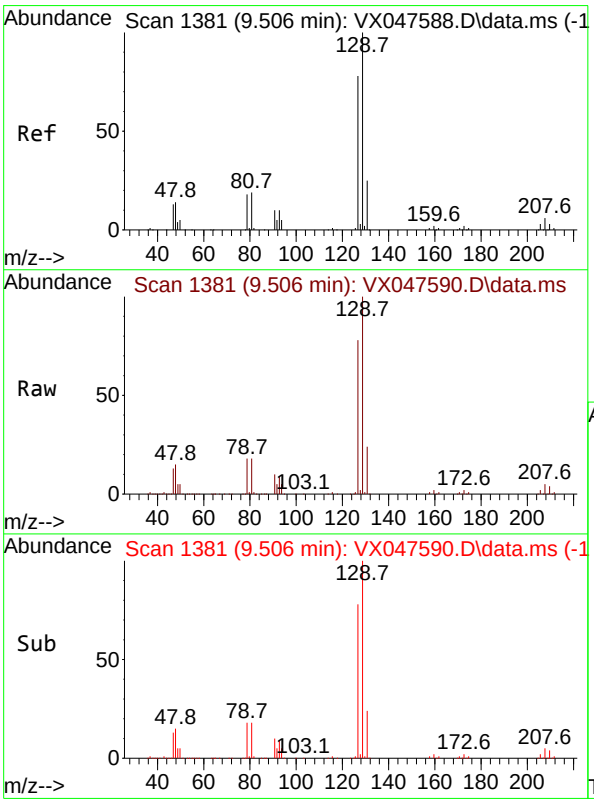

#59
2-Hexanone
Concen: 750.035 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 43 Resp: 1412417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |

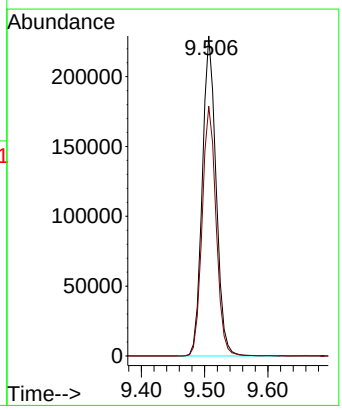


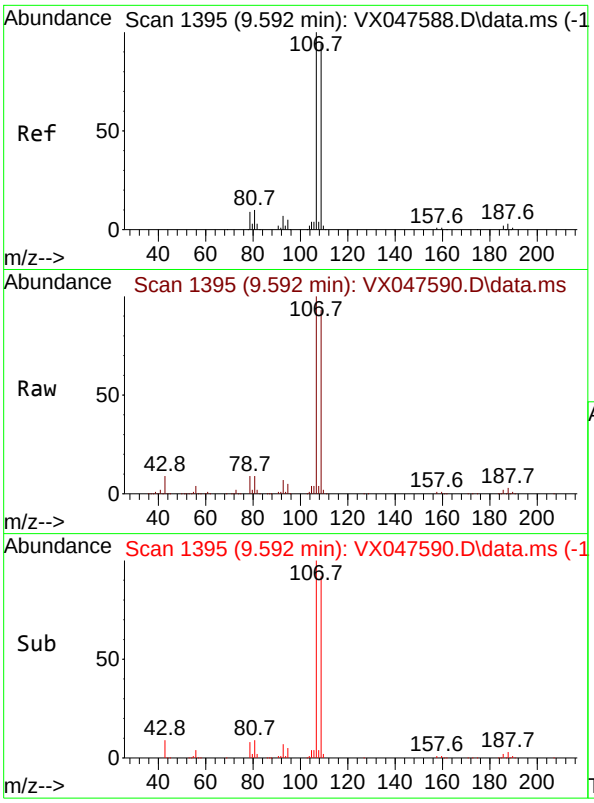




#60
Dibromochloromethane
Concen: 155.318 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:129 Resp: 347748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.7 | 38.4 | 115.2 |



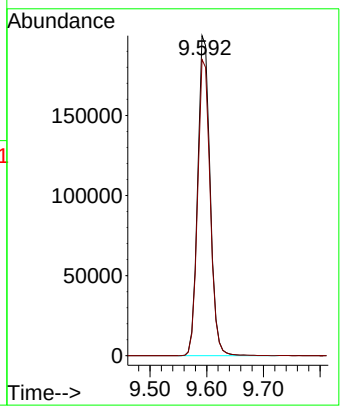


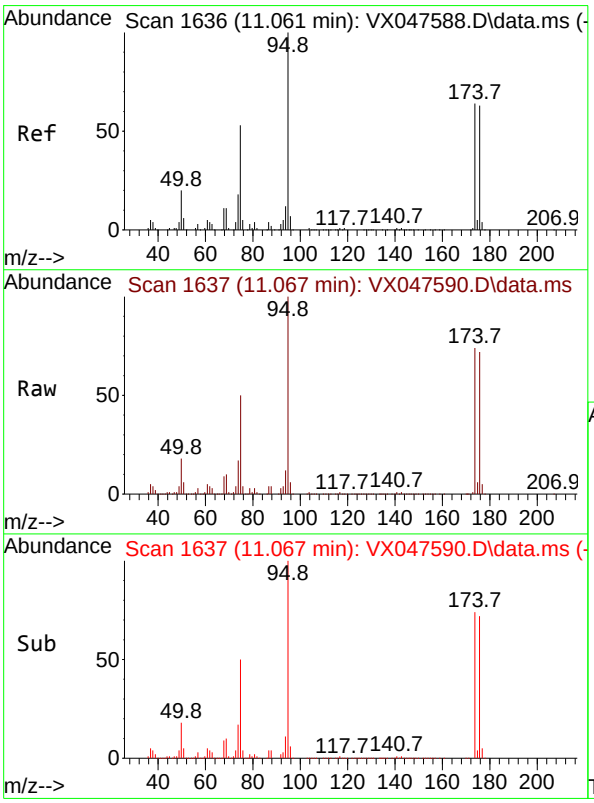

#61
1,2-Dibromoethane
Concen: 152.949 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:107 Resp: 302715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.5 | 75.3 | 112.9 |

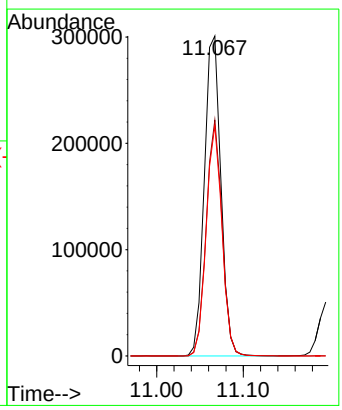


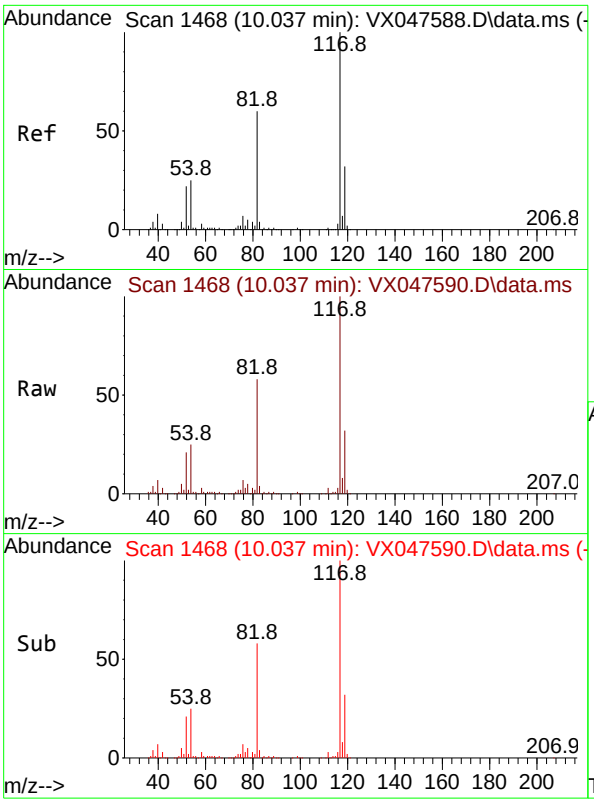




#62
4-Bromofluorobenzene
Concen: 165.020 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 95 Resp: 399386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.7 | 0.0 | 141.6 |
| 176 | 68.5 | 0.0 | 138.4 |



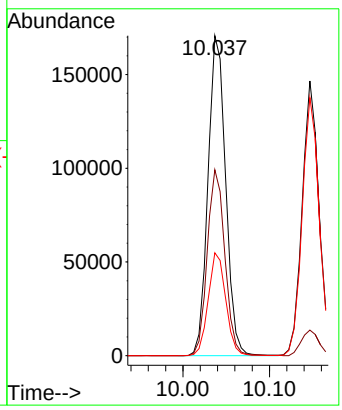


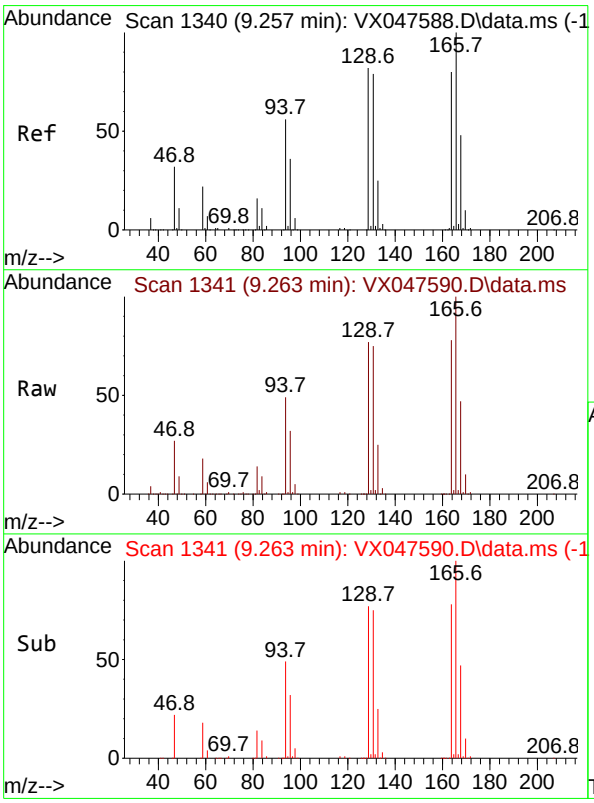

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:117 Resp: 241818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 47.8 | 71.6 |
| 119 | 32.2 | 25.2 | 37.8 |

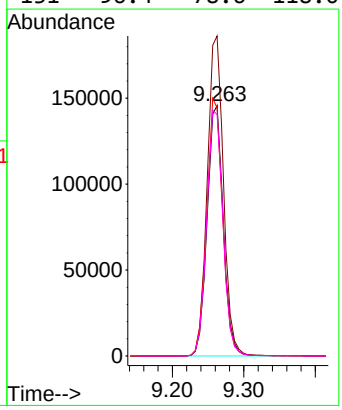


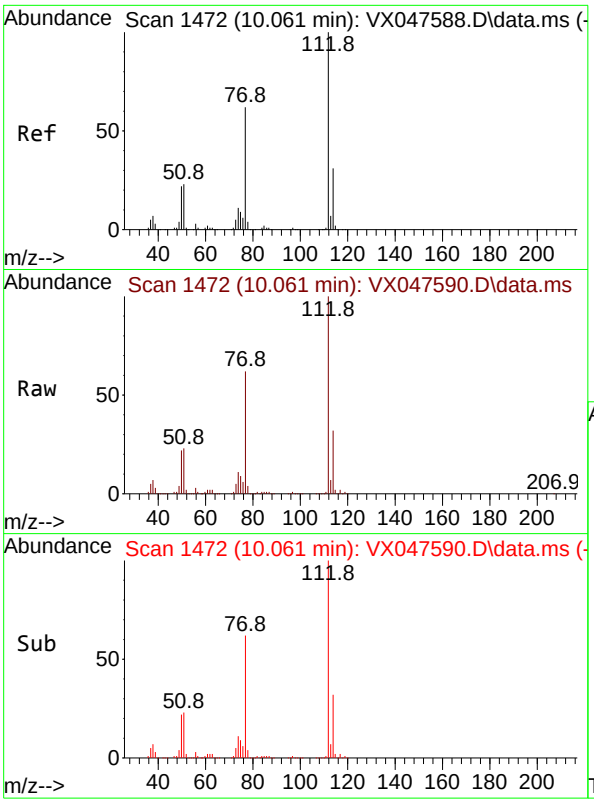




#64
Tetrachloroethene
Concen: 144.590 ug/l
RT: 9.263 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:164 Resp: 227931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.8 | 100.2 | 150.2 |
| 129 | 99.0 | 81.8 | 122.6 |
| 131 | 96.4 | 78.6 | 118.0 |



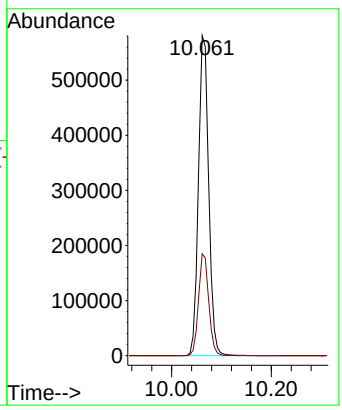


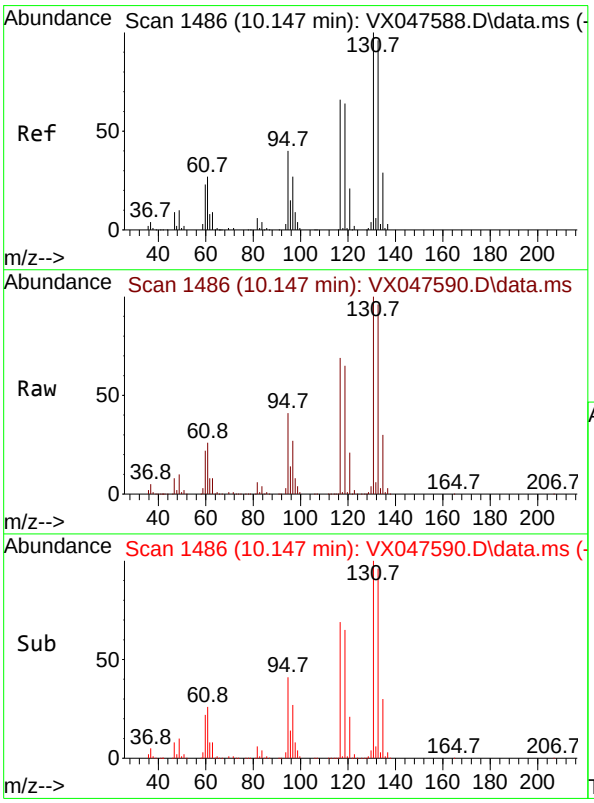

#65
Chlorobenzene
Concen: 150.763 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:112 Resp: 828239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.8 | 25.1 | 37.7 |

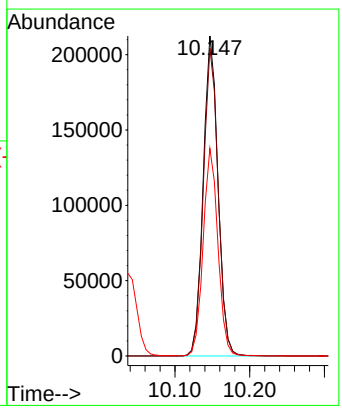


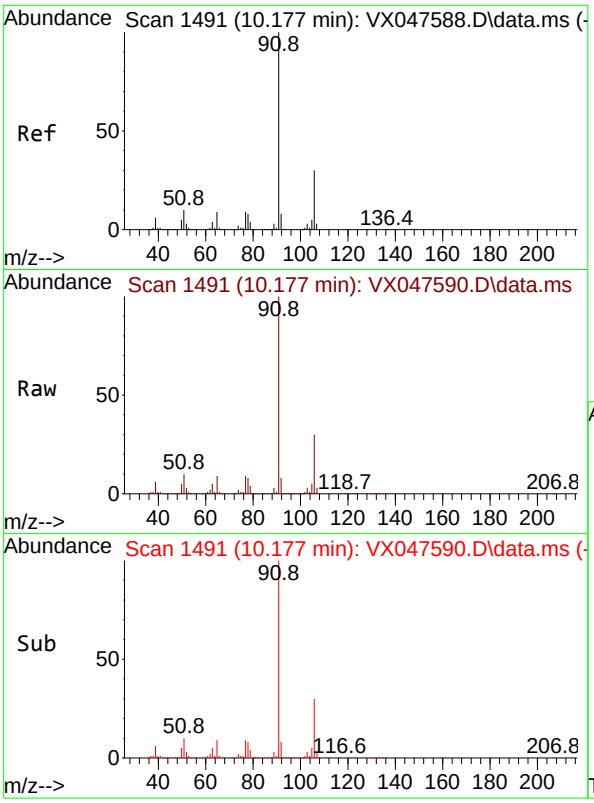




#66
1,1,1,2-Tetrachloroethane
Concen: 153.733 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:131 Resp: 291433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.7 | 47.3 | 142.0 |
| 119 | 64.8 | 32.0 | 96.0 |



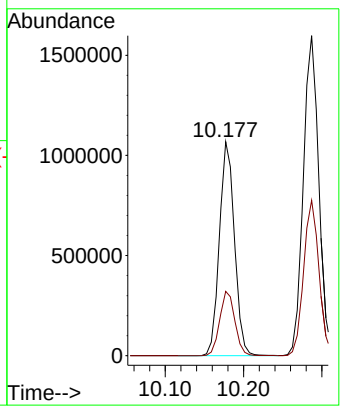


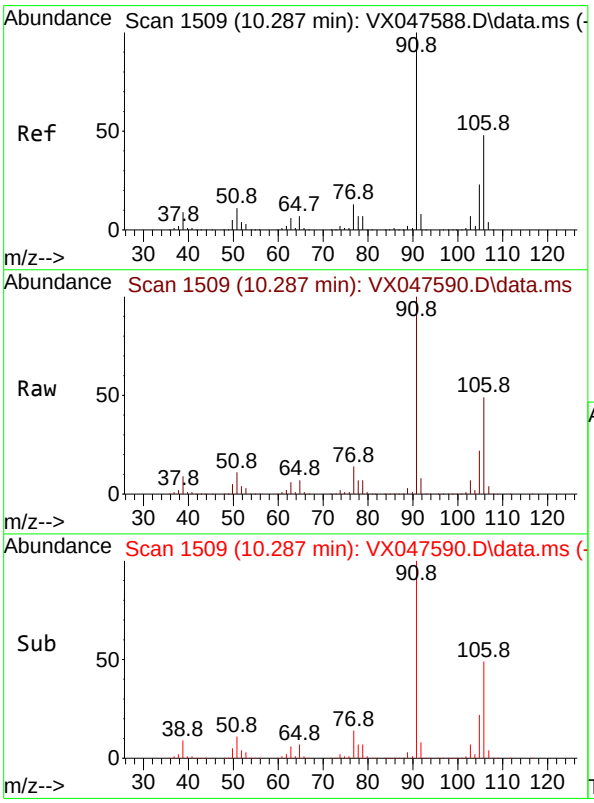

#67
Ethyl Benzene
Concen: 151.026 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1431554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |

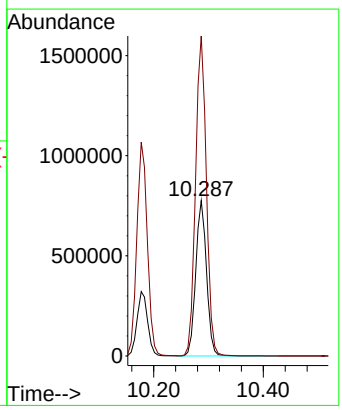


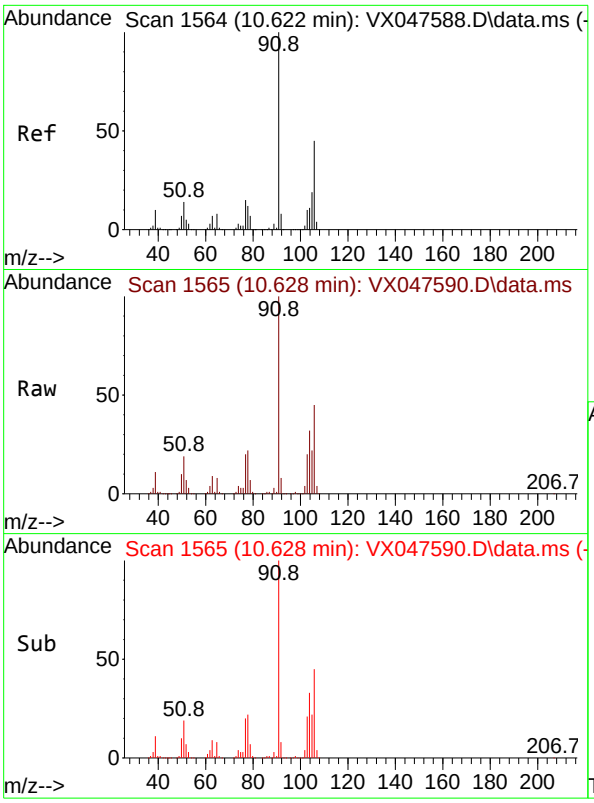




#68
m/p-Xylenes
Concen: 300.381 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:106 Resp: 1059776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.0 | 167.8 | 251.8 |



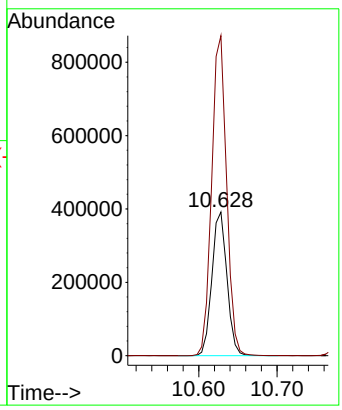


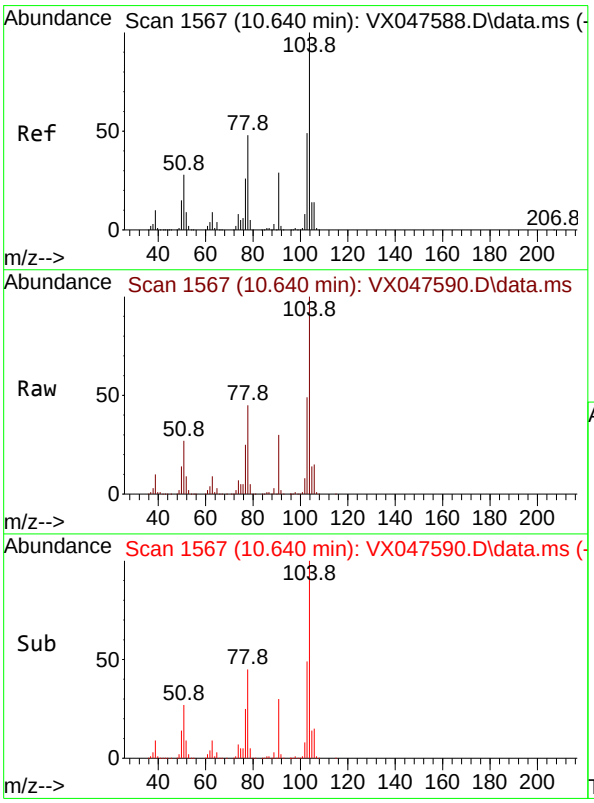

#69
o-Xylene
Concen: 152.920 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:106 Resp: 521840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.7 | 111.1 | 333.4 |

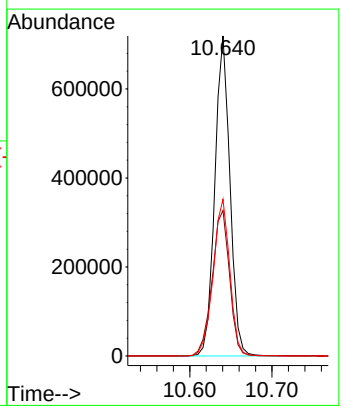


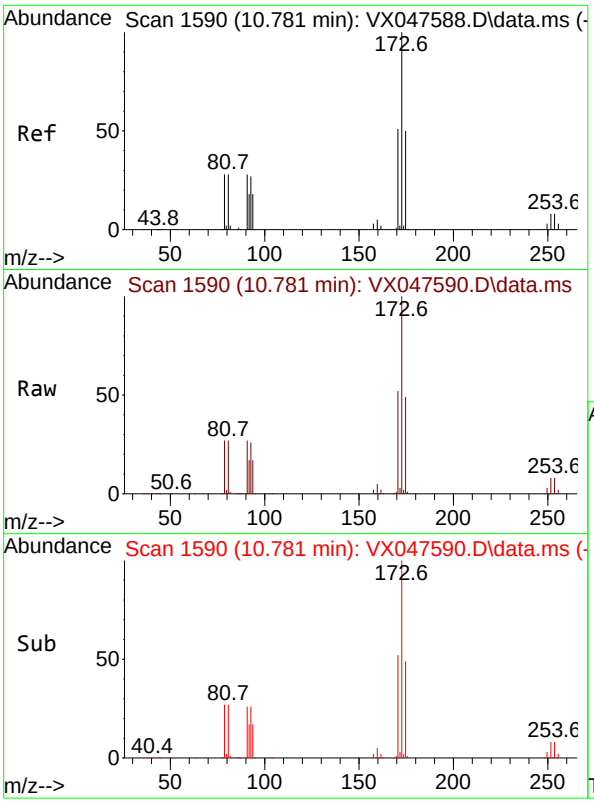




#70
Styrene
Concen: 153.449 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:104 Resp: 917532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.4 | 43.1 | 64.7 |
| 103 | 54.0 | 43.1 | 64.7 |



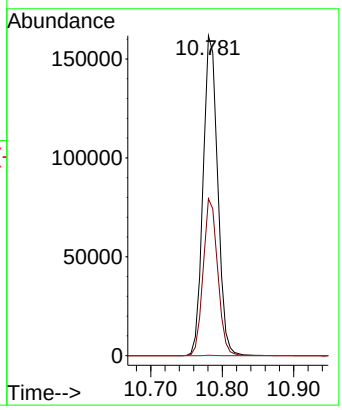


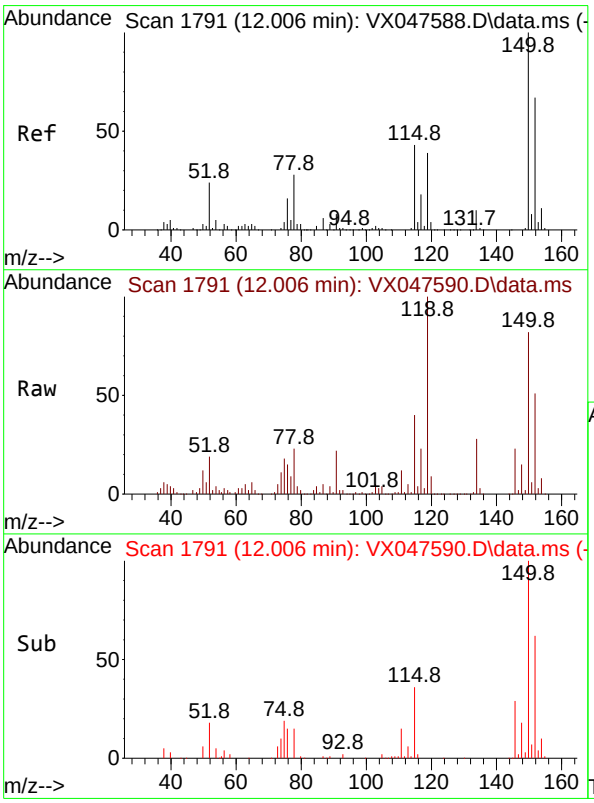

#71
Bromoform
Concen: 162.262 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:173 Resp: 229683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.7 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |

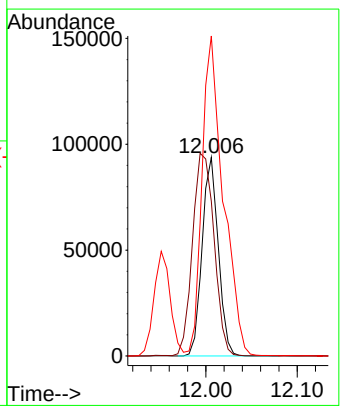


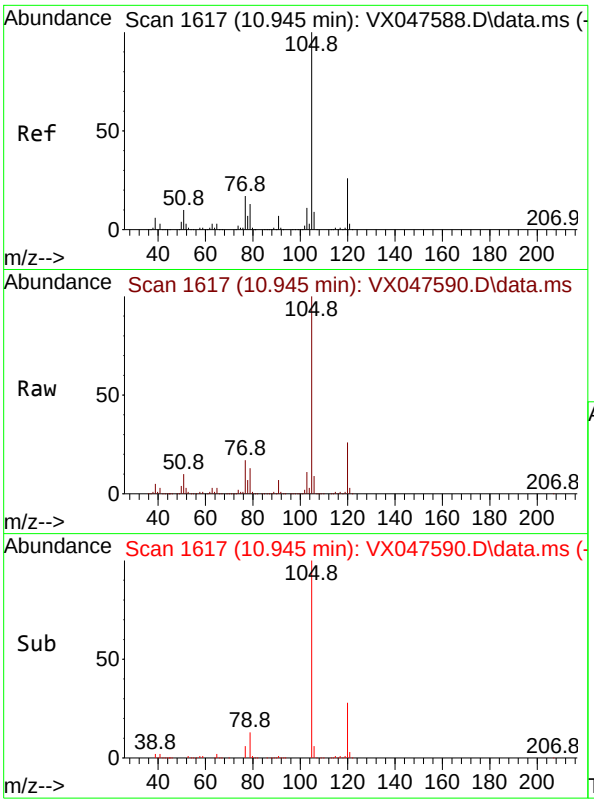




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:152 Resp: 114743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 136.9 | 44.9 | 134.5# |
| 150 | 212.9 | 0.0 | 352.0 |



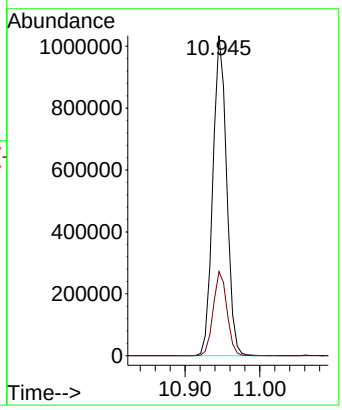


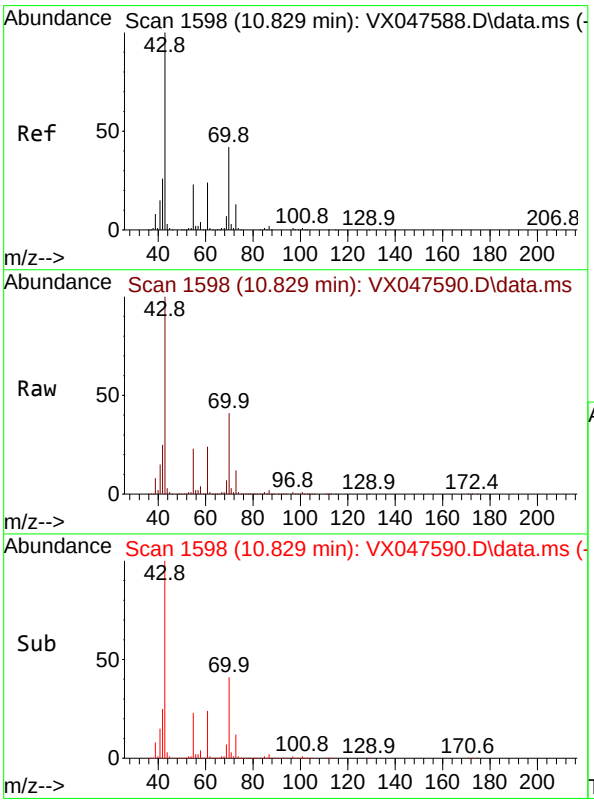

#73
Isopropylbenzene
Concen: 151.477 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1321409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 12.8 | 38.4 |

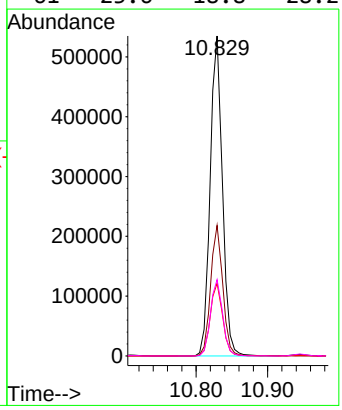


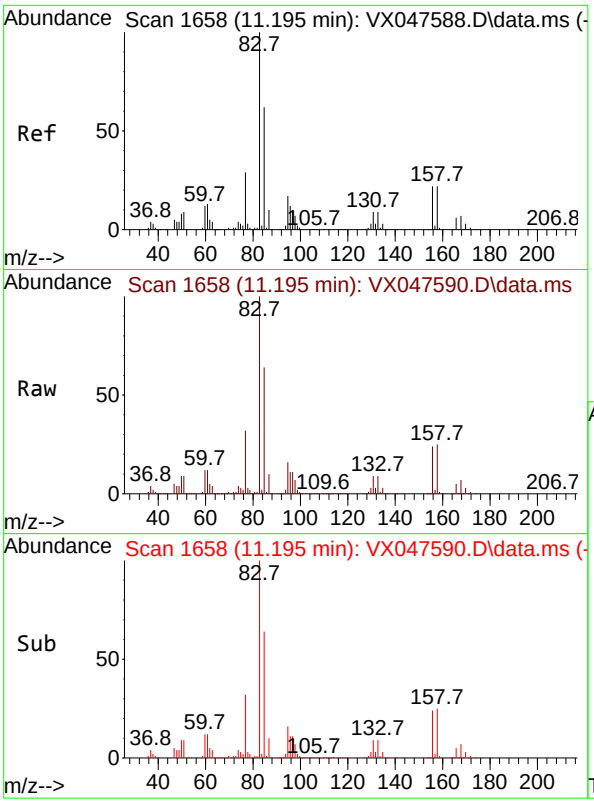




#74
N-amyl acetate
Concen: 160.099 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 43 Resp: 636879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.4 | 32.0 | 48.0 |
| 55 | 22.9 | 18.9 | 28.3 |
| 61 | 23.6 | 18.8 | 28.2 |



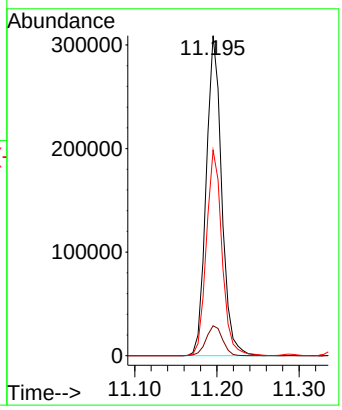


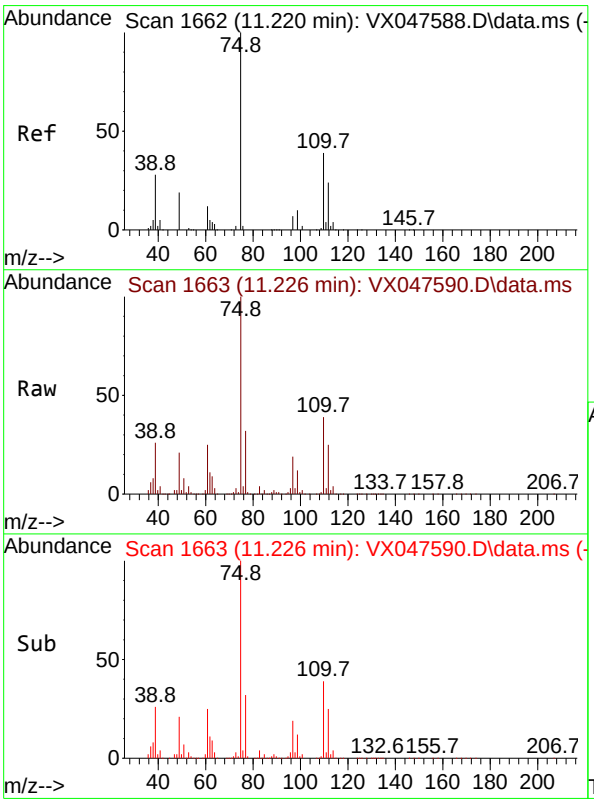

#75
1,1,2,2-Tetrachloroethane
Concen: 153.035 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 83 Resp: 403906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 64.6 | 31.6 | 95.0 |

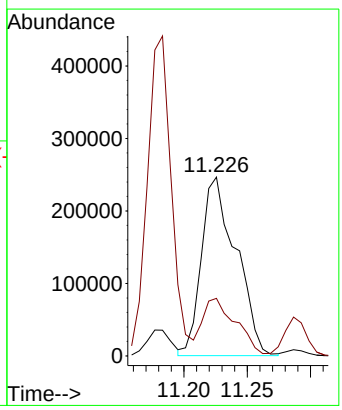


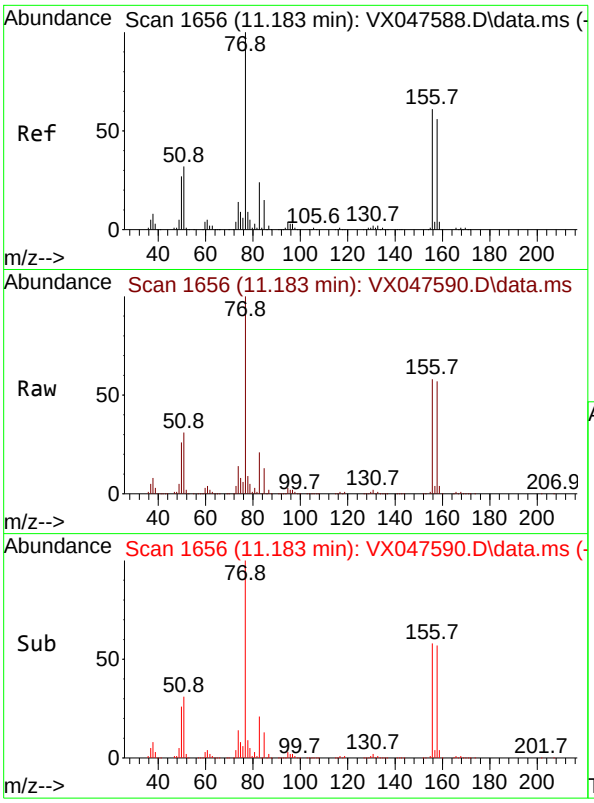




#76
1,2,3-Trichloropropane
Concen: 202.576 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 470623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.8 | 18.8 | 56.4 |



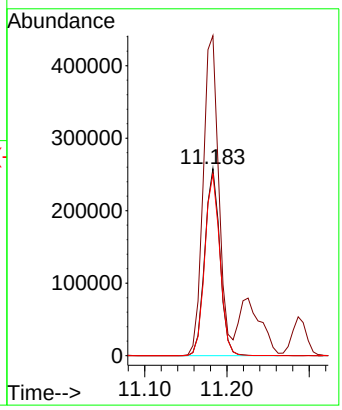


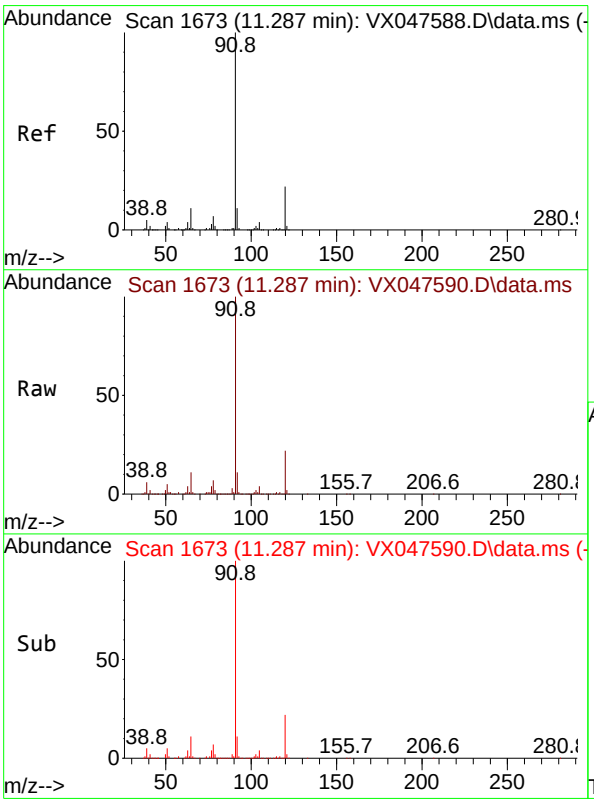

#77
Bromobenzene
Concen: 152.818 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:156 Resp: 328336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 178.2 | 89.7 | 269.1 |
| 158 | 97.5 | 47.9 | 143.6 |

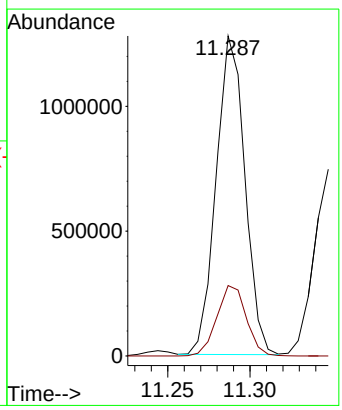


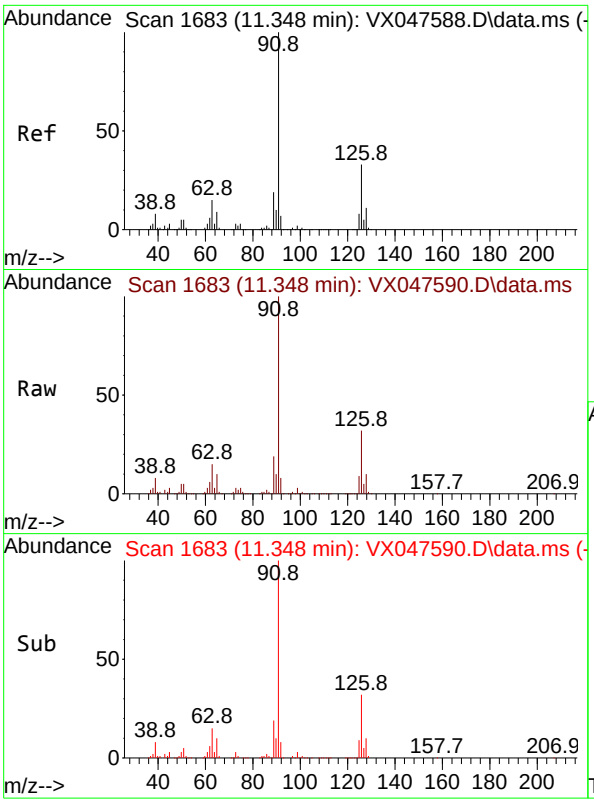




#78
n-propylbenzene
Concen: 150.337 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1550316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.7 | 11.1 | 33.1 |



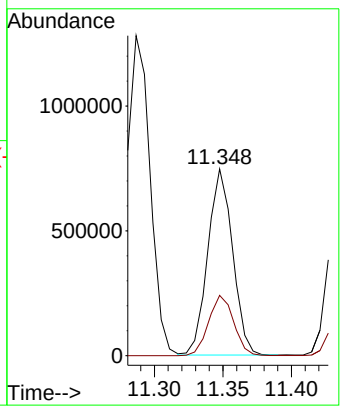


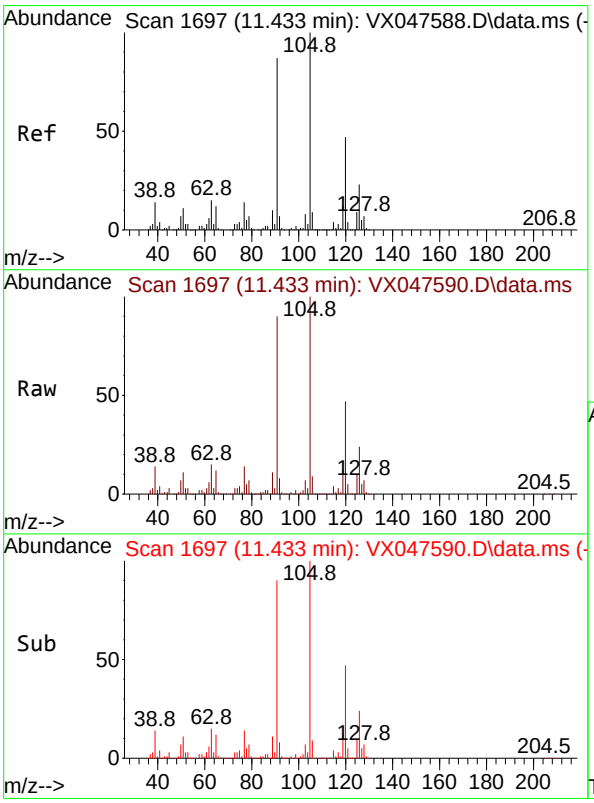

#79
2-Chlorotoluene
Concen: 148.781 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 939707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |

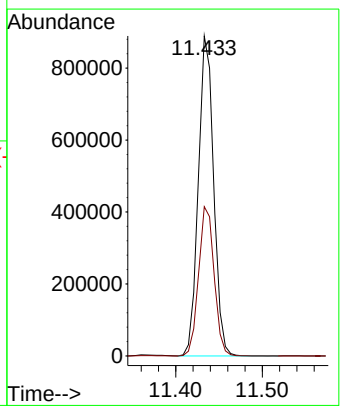


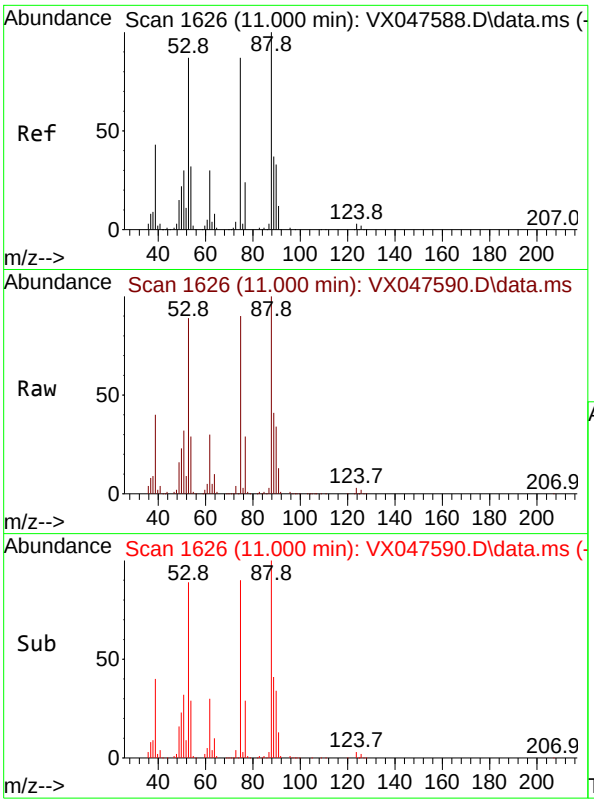




#80
1,3,5-Trimethylbenzene
Concen: 152.306 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1091593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.4 | 23.6 | 70.8 |



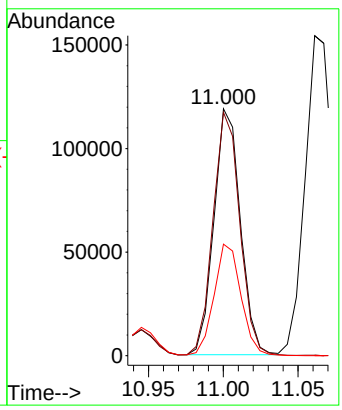


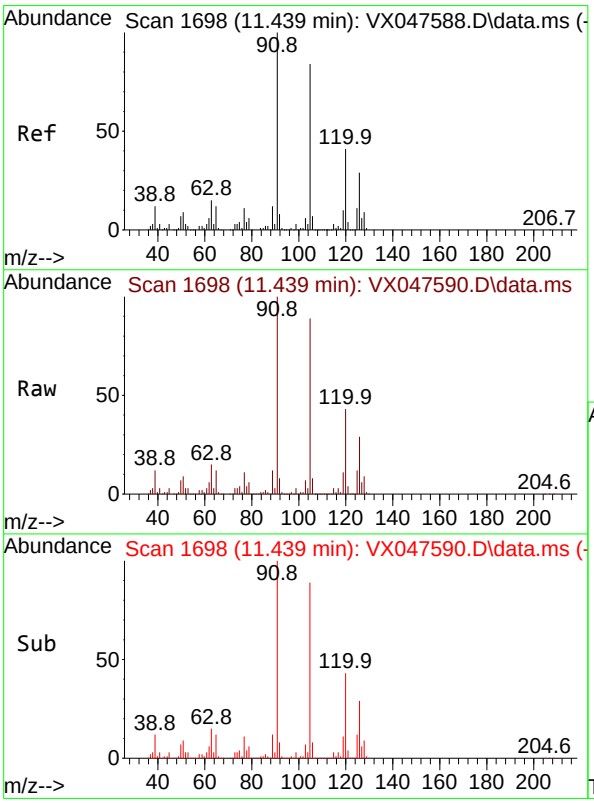

#81
trans-1,4-Dichloro-2-butene
Concen: 160.176 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 75 Resp: 145921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 100.8 | 83.4 | 125.2 |
| 89 | 46.3 | 36.3 | 54.5 |

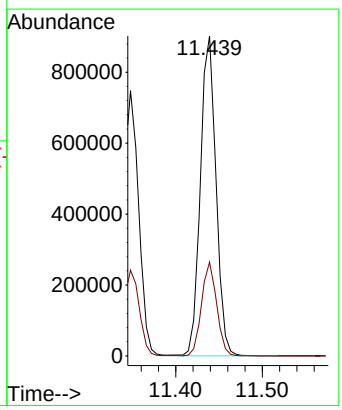


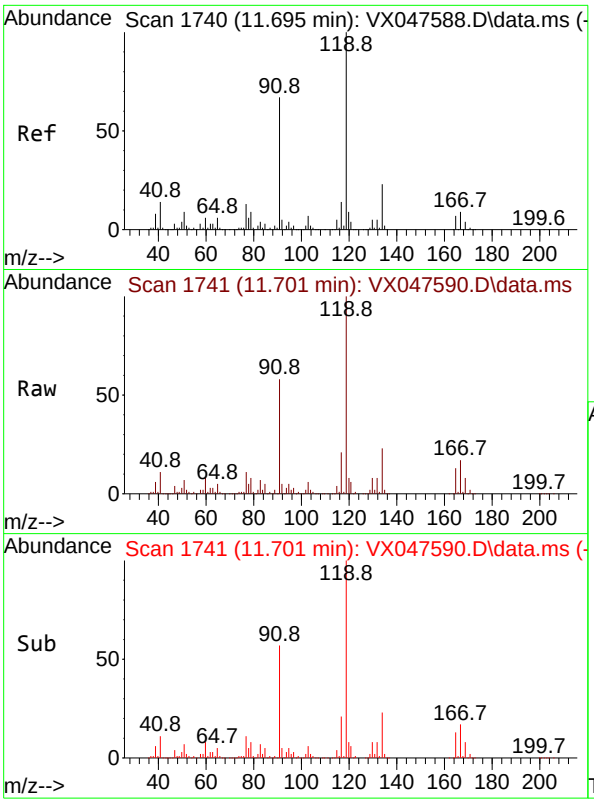




#82
4-Chlorotoluene
Concen: 151.112 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 91 Resp: 1127233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.5 | 14.2 | 42.6 |



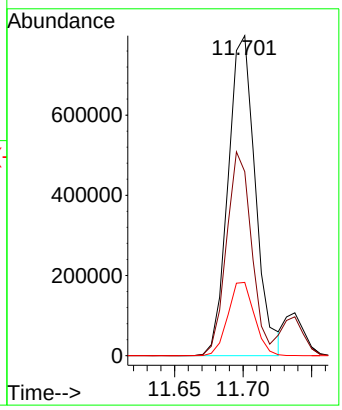


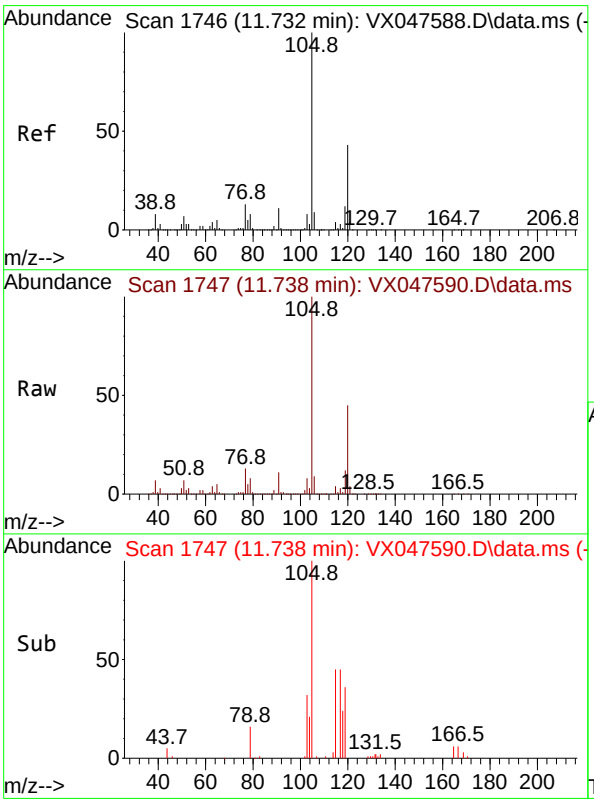

#83
tert-Butylbenzene
Concen: 150.819 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:119 Resp: 1106532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.7 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |

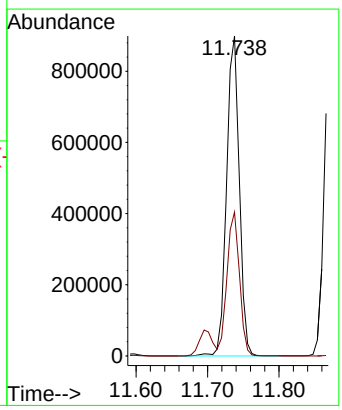


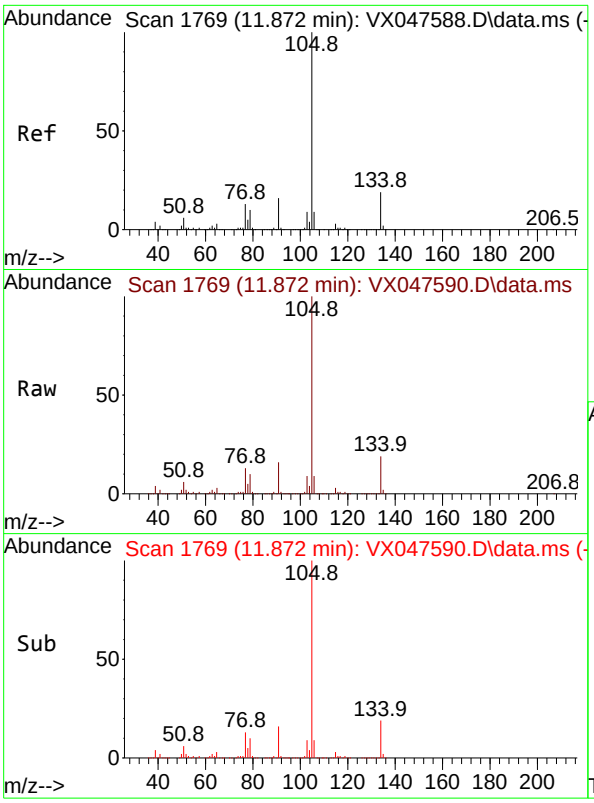




#84
1,2,4-Trimethylbenzene
Concen: 152.336 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:105 Resp: 1106914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.4 | 22.1 | 66.1 |



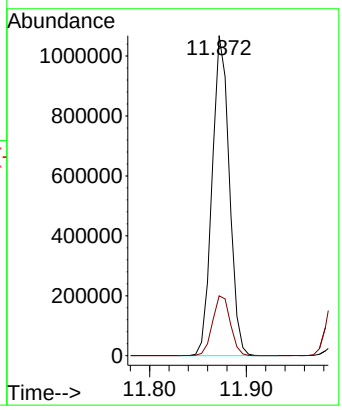


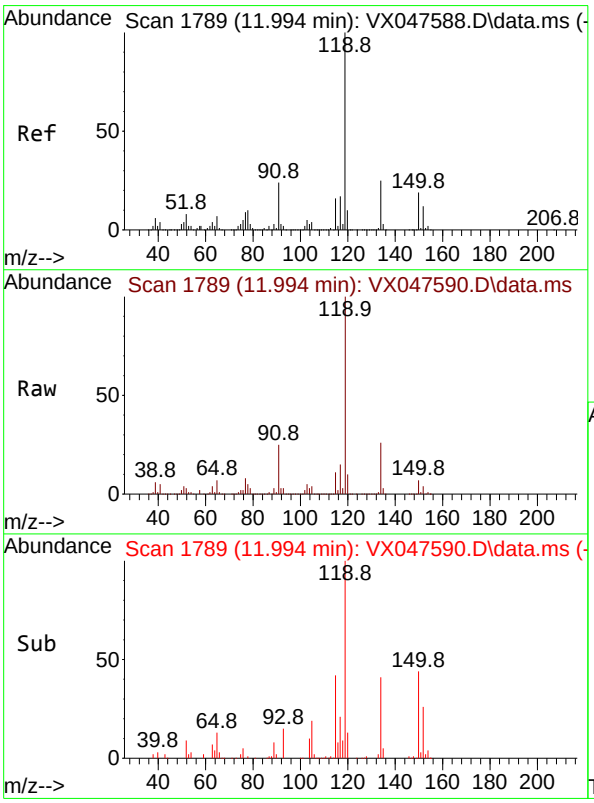

#85
sec-Butylbenzene
Concen: 151.448 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:105 Resp: 1319819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |

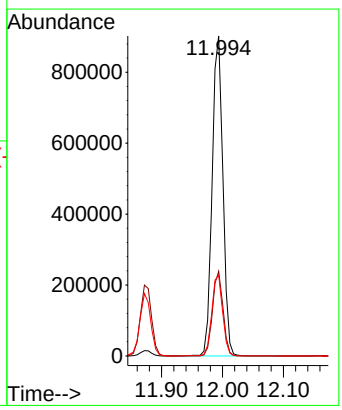


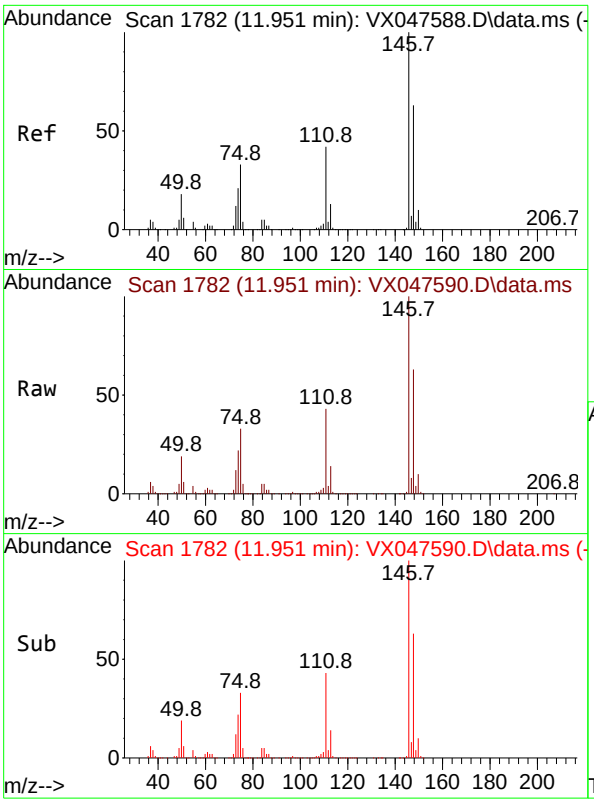




#86
p-Isopropyltoluene
Concen: 149.530 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:119 Resp: 1103210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 25.3 | 12.6 | 37.6 |



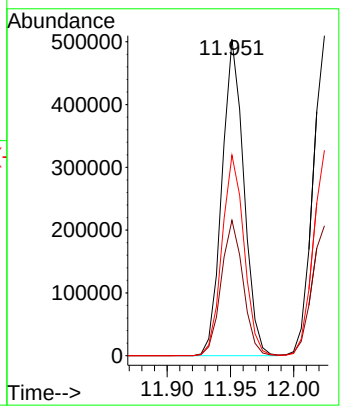


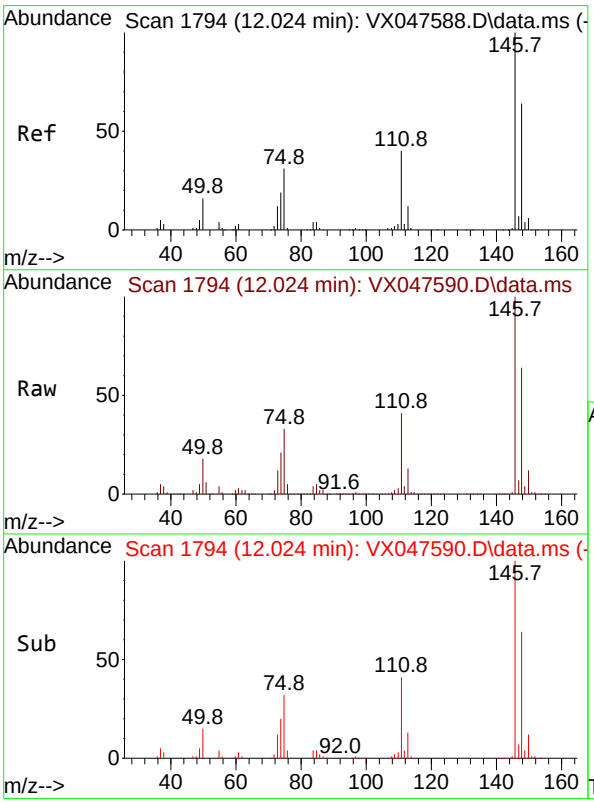

#87
1,3-Dichlorobenzene
Concen: 151.633 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 605123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 21.5 | 64.5 |
| 148 | 63.8 | 32.0 | 96.0 |

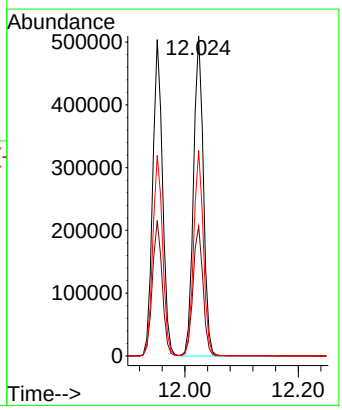


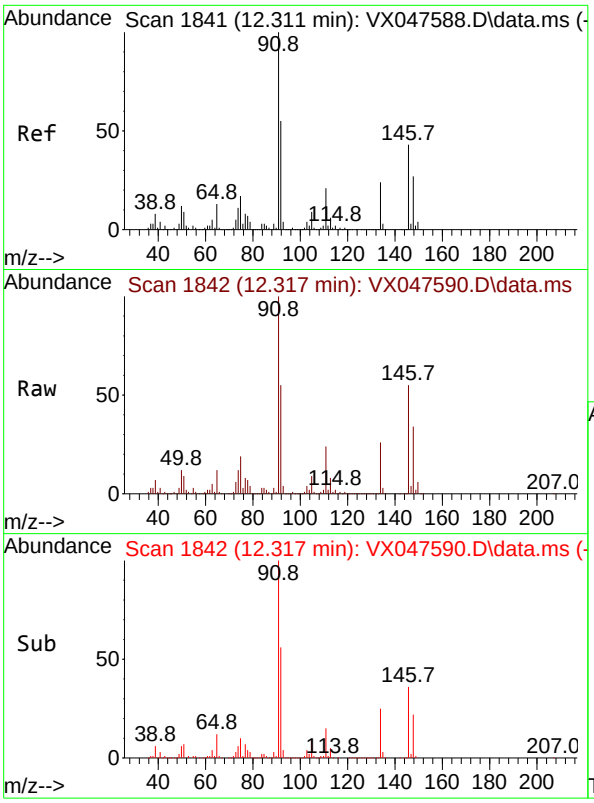




#88
1,4-Dichlorobenzene
Concen: 149.814 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:146 Resp: 613617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.8 | 62.4 |
| 148 | 63.2 | 31.7 | 95.1 |



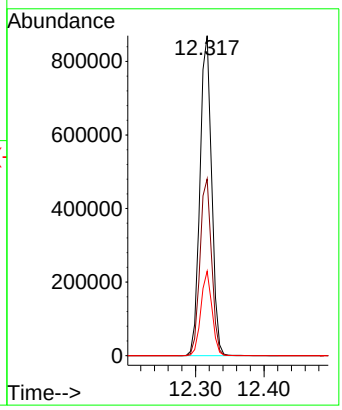


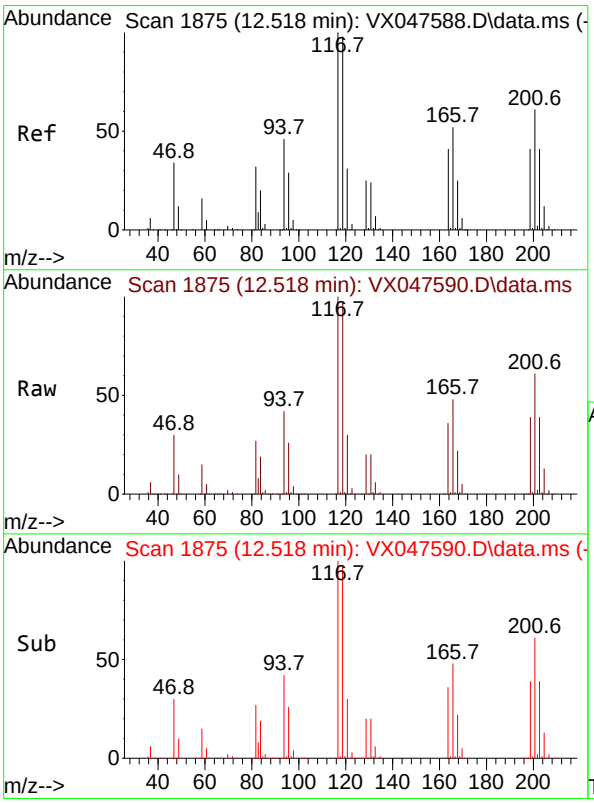

#89
n-Butylbenzene
Concen: 151.222 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion: 91 Resp: 1032357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.2 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |

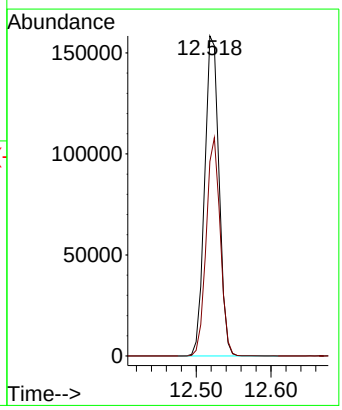


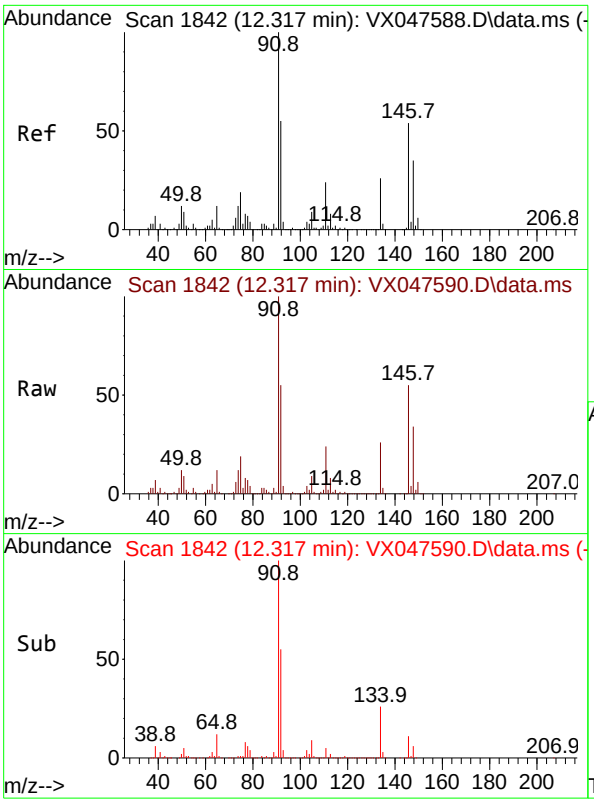




#90
Hexachloroethane
Concen: 163.258 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:117 Resp: 211472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.6 | 34.2 | 102.5 |



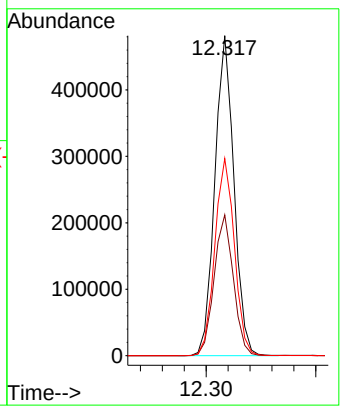


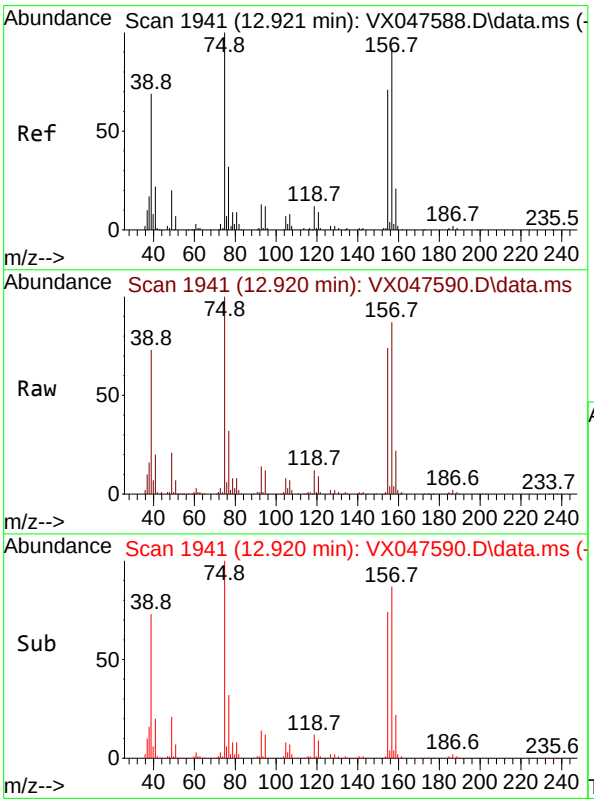

#91
1,2-Dichlorobenzene
Concen: 153.227 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:146 Resp: 582565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.5 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |

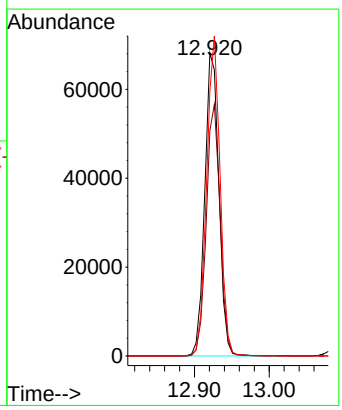


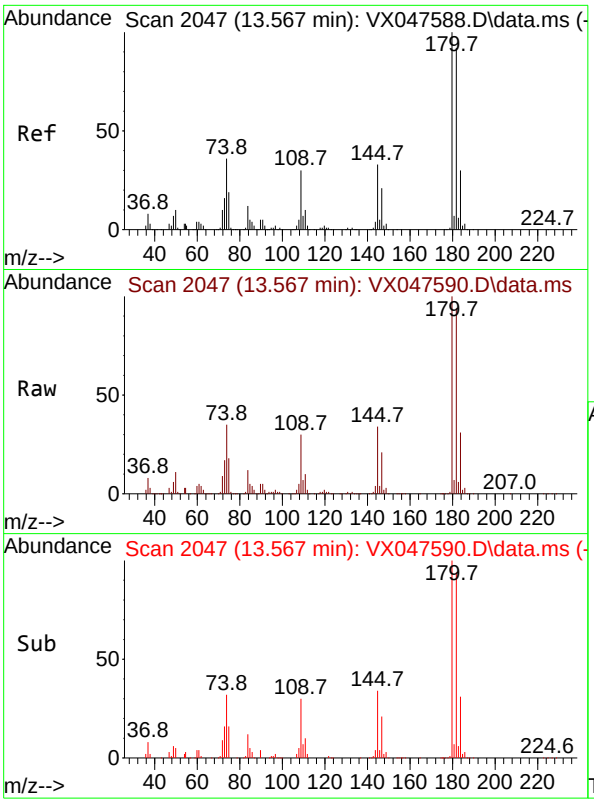




#92
1,2-Dibromo-3-Chloropropane
Concen: 167.332 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion: 75 Resp: 89415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.3 | 37.7 | 113.1 |
| 157 | 100.6 | 49.8 | 149.4 |



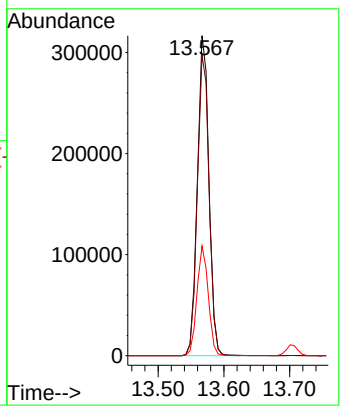


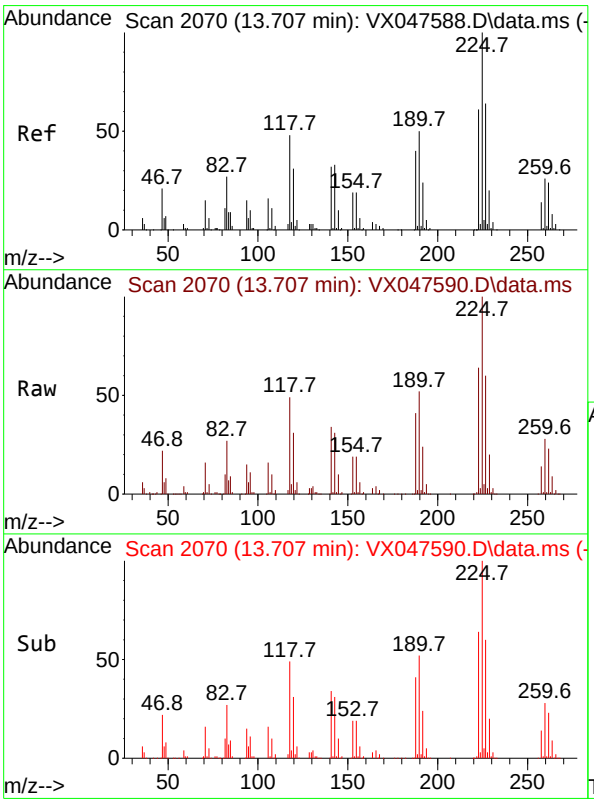

#93
1,2,4-Trichlorobenzene
Concen: 156.884 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:180 Resp: 387652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.6 | 139.8 |
| 145 | 33.5 | 16.4 | 49.1 |

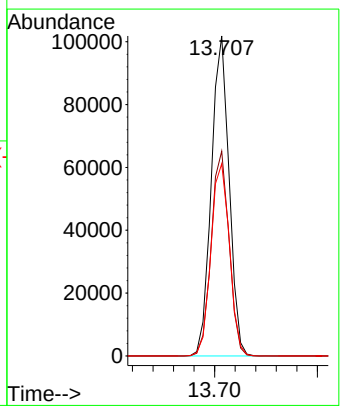


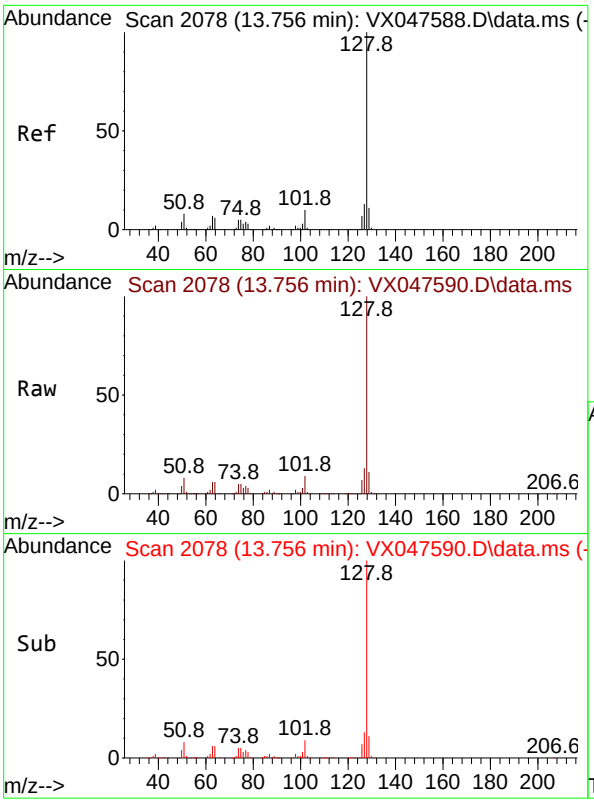




#94
Hexachlorobutadiene
Concen: 145.110 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:225 Resp: 121791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.2 | 31.7 | 95.1 |
| 227 | 62.8 | 32.0 | 96.0 |



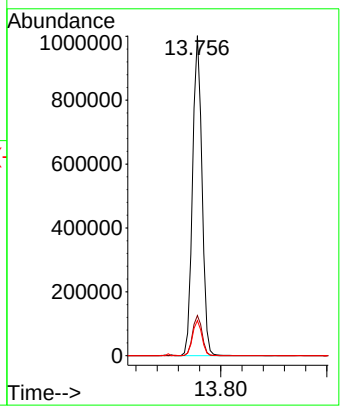


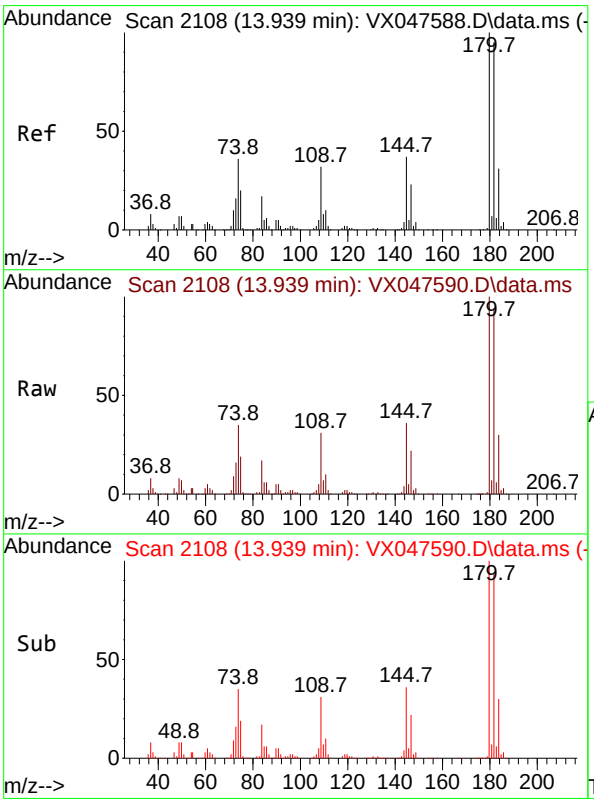

#95
Naphthalene
Concen: 163.388 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Tgt Ion:128 Resp: 1229363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |

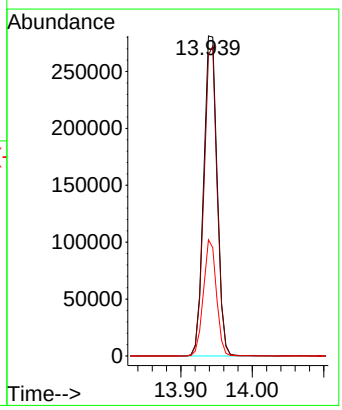



#96
1,2,3-Trichlorobenzene
Concen: 160.704 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047590.D
Acq: 16 Sep 2025 12:01

Tgt Ion:180 Resp: 369382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.6 | 47.6 | 142.8 |
| 145 | 34.9 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 186484 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 331837 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 288660 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 139252 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 135209 | 45.550 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 91.100% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 101390 | 45.559 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 91.120% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 357393 | 46.411 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 92.820% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 135957 | 46.520 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 86110 | 44.592 | ug/l | 94 |
| 3) Chloromethane | 1.300 | 50 | 110935 | 43.710 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 113742 | 45.783 | ug/l | 99 |
| 5) Bromomethane | 1.617 | 94 | 76388 | 48.489 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 77337 | 46.575 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 173647 | 47.074 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 70459 | 46.693 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 104663 | 48.524 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 155450 | 46.210 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.940 | 59 | 84722 | 256.271 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 104302 | 47.076 | ug/l | 98 |
| 13) Acrolein | 2.233 | 56 | 77645 | 254.867 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 213704 | 46.742 | ug/l | 99 |
| 15) Acrylonitrile | 3.056 | 53 | 310505 | 253.567 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 316217 | 245.006 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 272741 | 44.966 | ug/l | 97 |
| 18) Methyl Acetate | 2.697 | 43 | 158480 | 55.175 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 392574 | 48.538 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 125669 | 46.000 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 111418 | 46.709 | ug/l | 99 |
| 22) Diisopropyl ether | 3.745 | 45 | 426854 | 48.174 | ug/l # | 83 |
| 23) Vinyl Acetate | 3.709 | 43 | 1741267 | 245.539 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 226249 | 48.041 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 408273 | 253.598 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.458 | 77 | 193760 | 49.494 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 142635 | 48.826 | ug/l | 99 |
| 28) Bromochloromethane | 4.879 | 49 | 95782 | 46.586 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.983 | 42 | 245392 | 253.375 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 231954 | 48.739 | ug/l | 99 |
| 31) Cyclohexane | 5.458 | 56 | 180430 | 45.999 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 197711 | 48.978 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 151745 | 46.663 | ug/l | 99 |
| 37) Ethyl Acetate | 4.690 | 43 | 171454 | 49.241 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.659 | 117 | 165834 | 46.935 | ug/l | 95 |
| 39) Methylcyclohexane | 7.360 | 83 | 179392 | 48.597 | ug/l | 98 |
| 40) Benzene | 6.019 | 78 | 467748 | 47.357 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 90758 | 50.490 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 176131 | 46.867 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.318 | 43 | 280595 | 49.136 | ug/l | | 100 |
| 44) Trichloroethene | 7.104 | 130 | 114708 | 48.037 | ug/l | | 98 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 121532 | 48.053 | ug/l | | 98 |
| 46) Dibromomethane | 7.562 | 93 | 88297 | 47.976 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.799 | 83 | 185219 | 48.769 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.671 | 41 | 141532 | 49.757 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.641 | 88 | 31320 | 1089.520 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 809759 | 255.752 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 292879 | 48.130 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 191863 | 49.527 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 203954 | 49.257 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 112094 | 47.772 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 189741 | 51.490 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 197079 | 48.894 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 394205 | 225.562 | ug/l | | 99 |
| 59) 2-Hexanone | 9.415 | 43 | 575599 | 253.126 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 134704 | 49.824 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 117817 | 49.297 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 90881 | 48.296 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 318372 | 48.549 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 110416 | 48.794 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 563634 | 49.813 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 416757 | 98.956 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 204323 | 50.159 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 353567 | 49.536 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 86524 | 51.207 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 523826 | 49.479 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 243198 | 50.375 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 159676 | 49.851 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 184000 | 65.262 | ug/l | | 89 |
| 77) Bromobenzene | 11.183 | 156 | 125610 | 48.173 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 616928 | 49.295 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 376486 | 49.117 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 435375 | 50.055 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 55880 | 50.543 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 445075 | 49.164 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 442341 | 49.679 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 440134 | 49.911 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 529869 | 50.100 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 446441 | 49.861 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 237383 | 49.014 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 243618 | 49.011 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 420478 | 50.752 | ug/l | | 100 |
| 90) Hexachloroethane | 12.518 | 117 | 79751 | 50.732 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 227493 | 49.304 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 33020 | 50.918 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 153333 | 51.133 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 53099 | 52.131 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 464206 | 50.836 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 142413 | 51.054 | ug/l | | 100 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

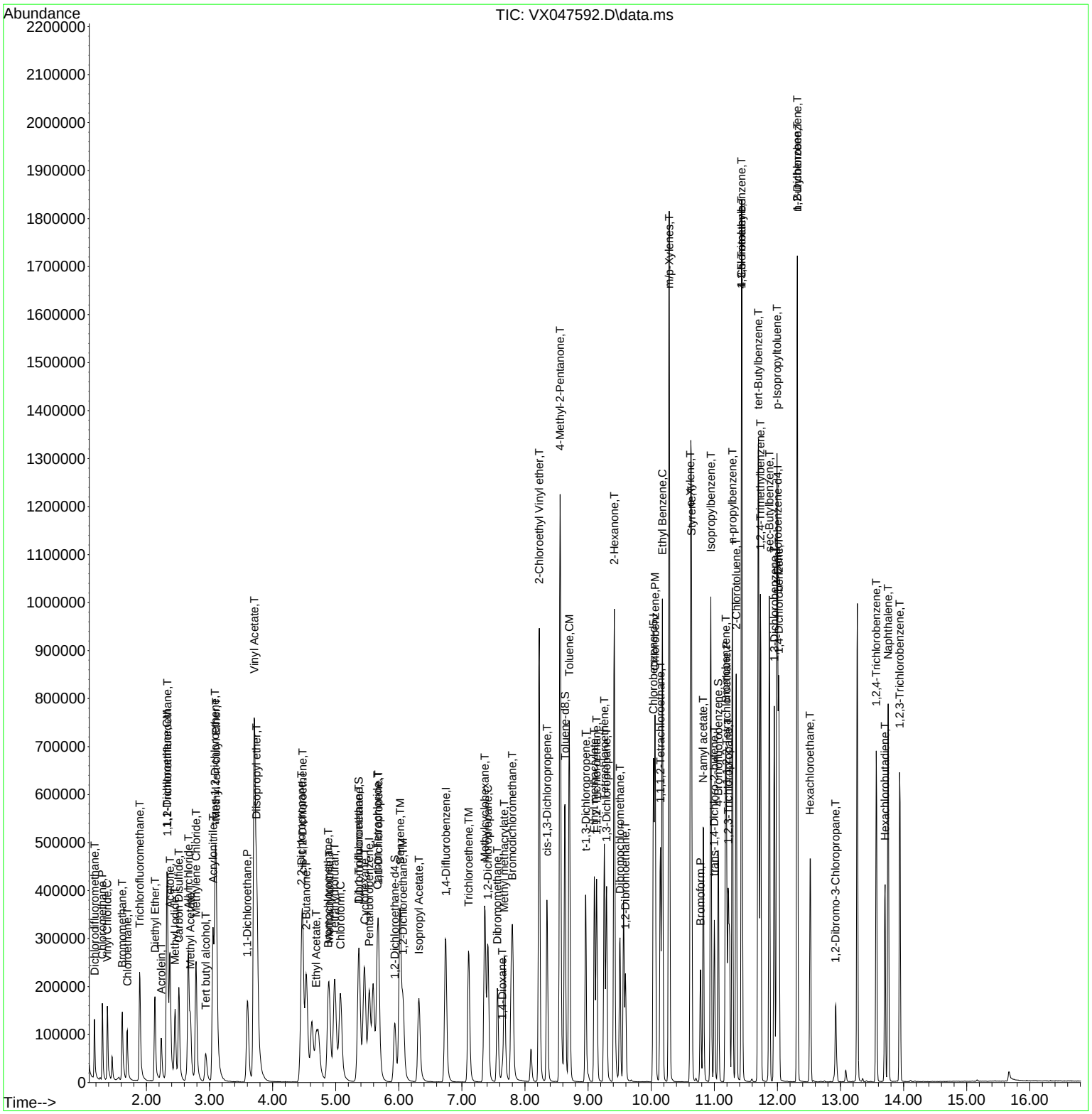
(#) = qualifier out of range (m) = manual integration (+) = signals summed

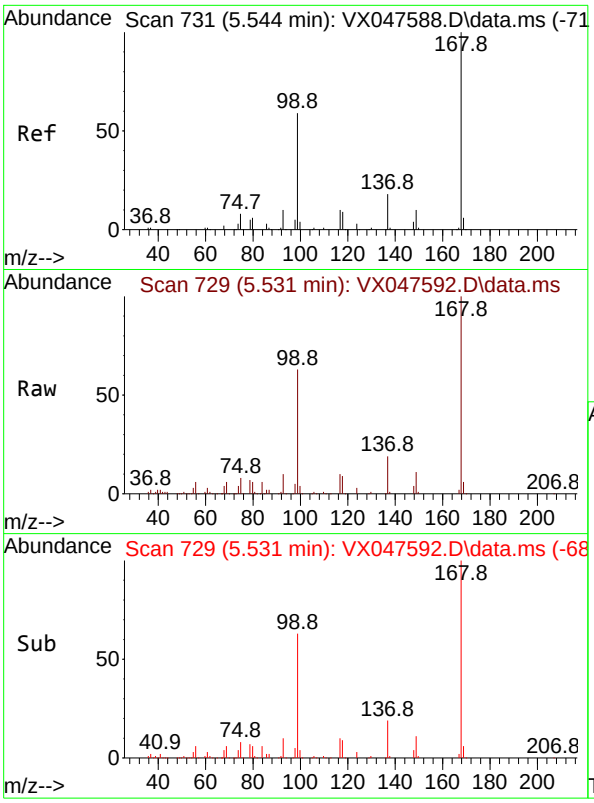
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Quant Time: Sep 22 02:06:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



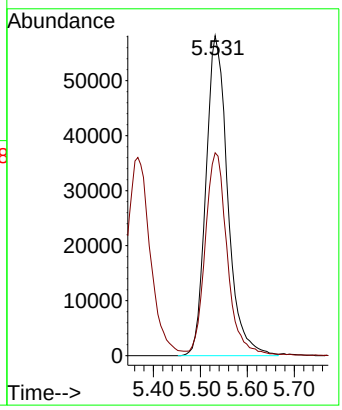


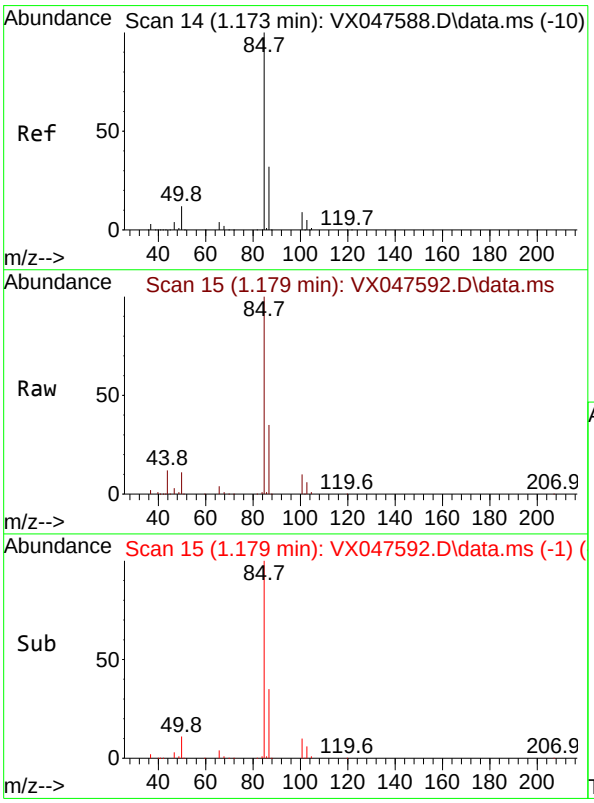

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:168 Resp: 186484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 48.8 | 73.2 |

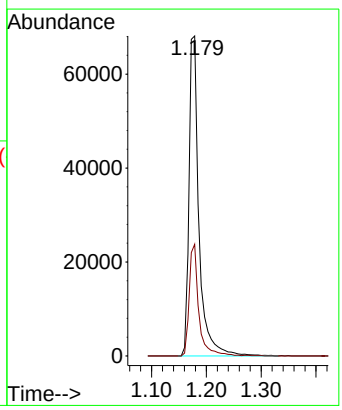


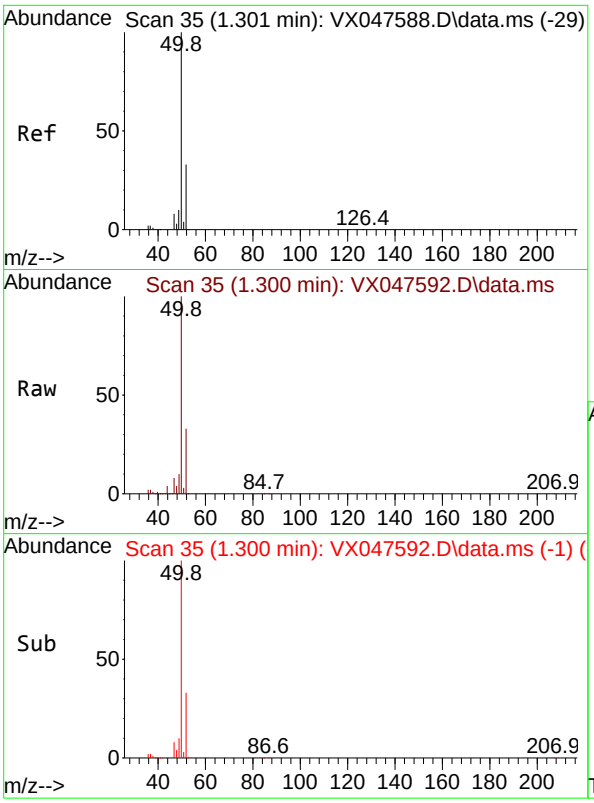




#2
Dichlorodifluoromethane
Concen: 44.592 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 85 Resp: 86110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 34.9 | 15.8 | 47.3 |



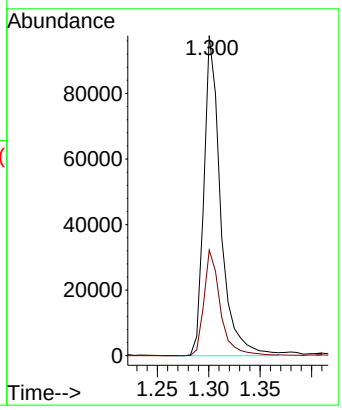


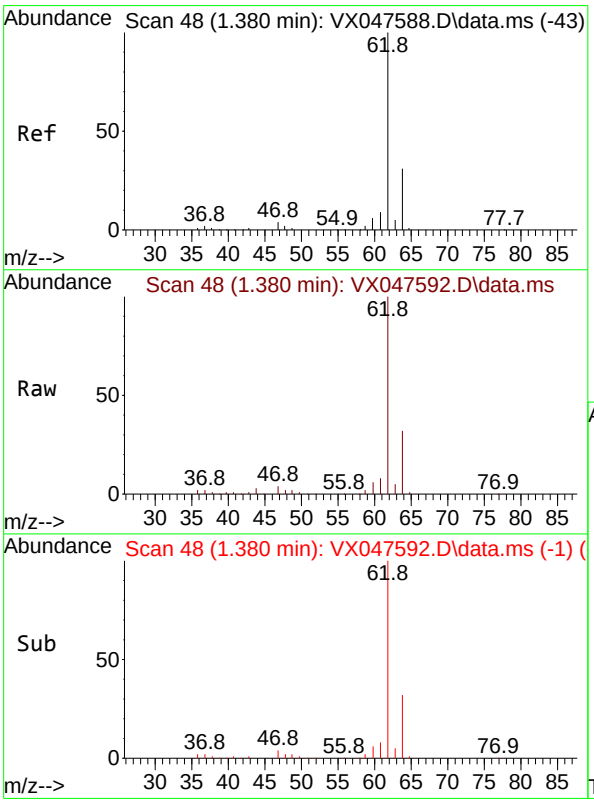

#3
Chloromethane
Concen: 43.710 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 50 Resp: 110935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 33.0 | 26.1 | 39.1 |

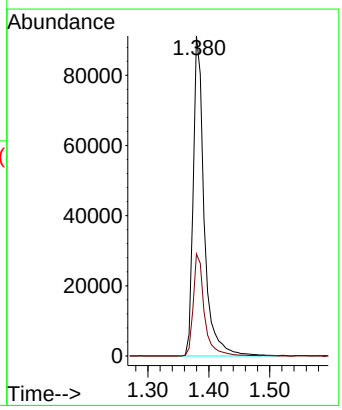


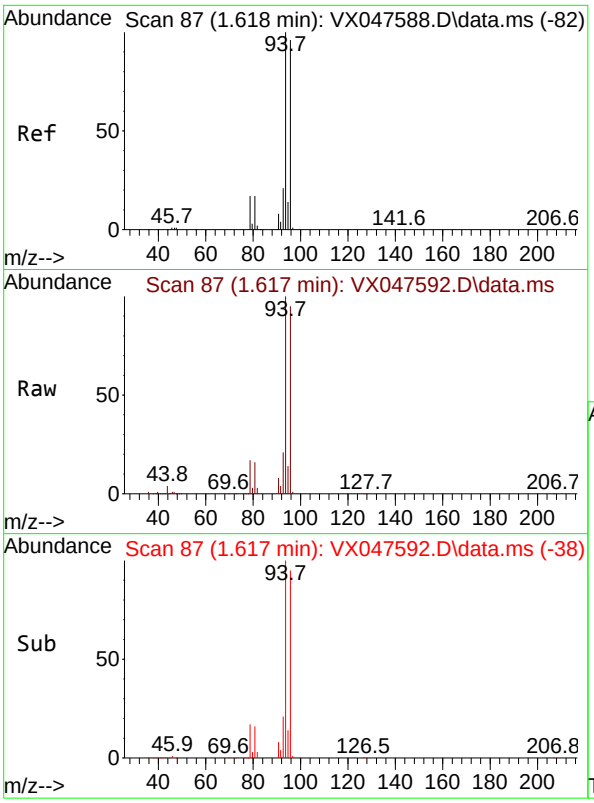




#4
Vinyl Chloride
Concen: 45.783 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 113742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 24.9 | 37.3 |



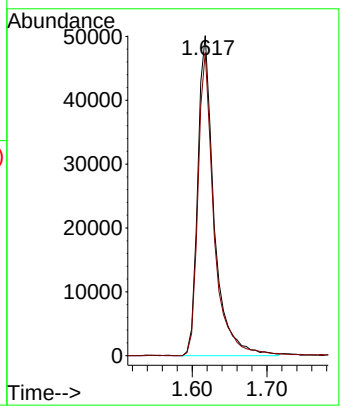


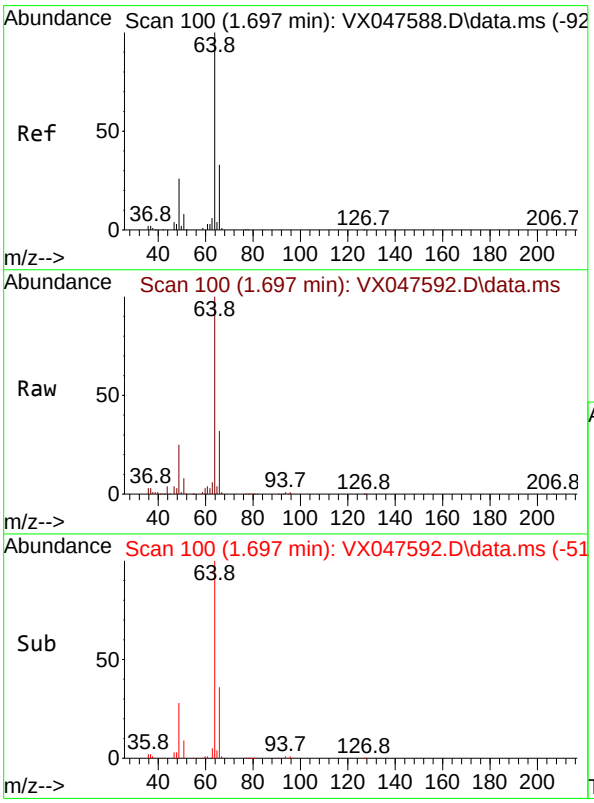

#5
Bromomethane
Concen: 48.489 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 94 Resp: 76388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 94.7 | 76.6 | 115.0 |

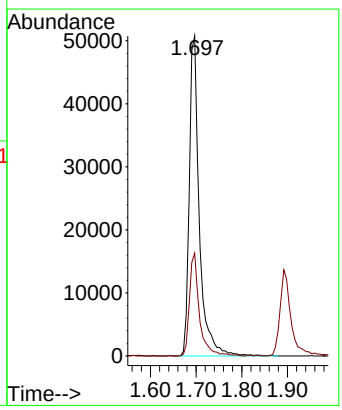


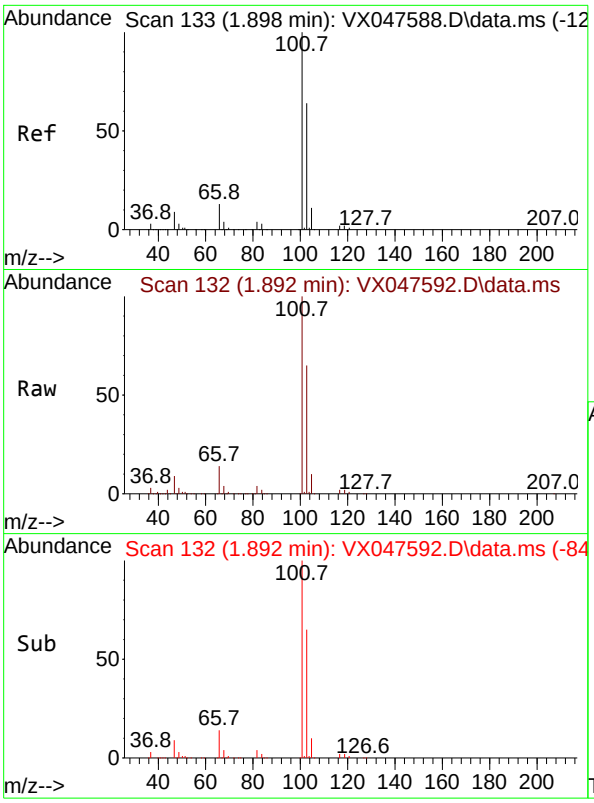




#6
Chloroethane
Concen: 46.575 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 64 Resp: 77337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.1 | 39.1 |



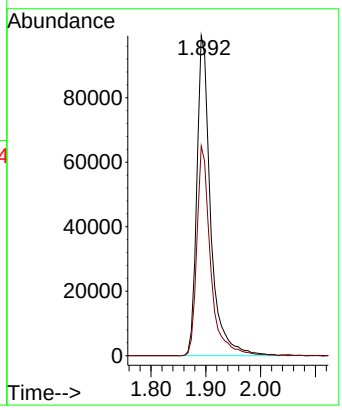


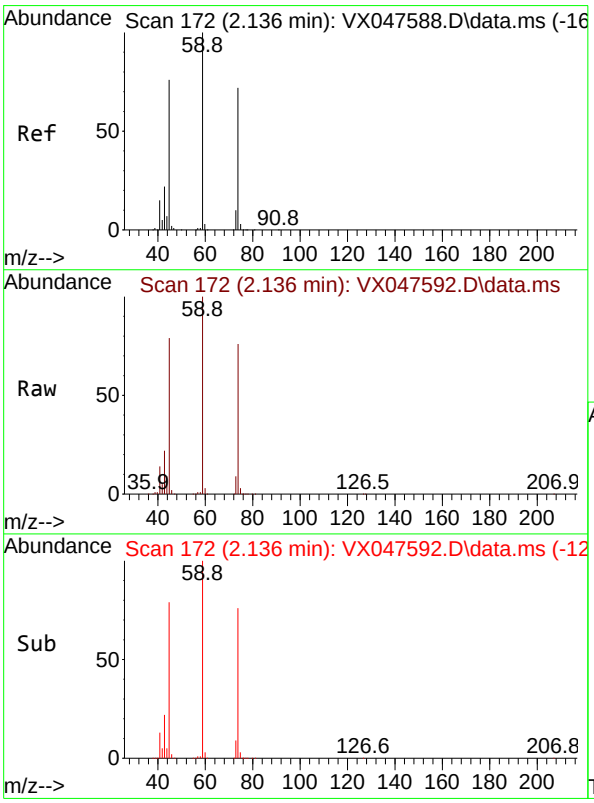

#7
Trichlorofluoromethane
Concen: 47.074 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:101 Resp: 173647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.5 | 51.4 | 77.2 |

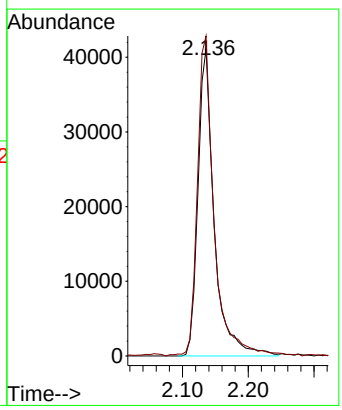


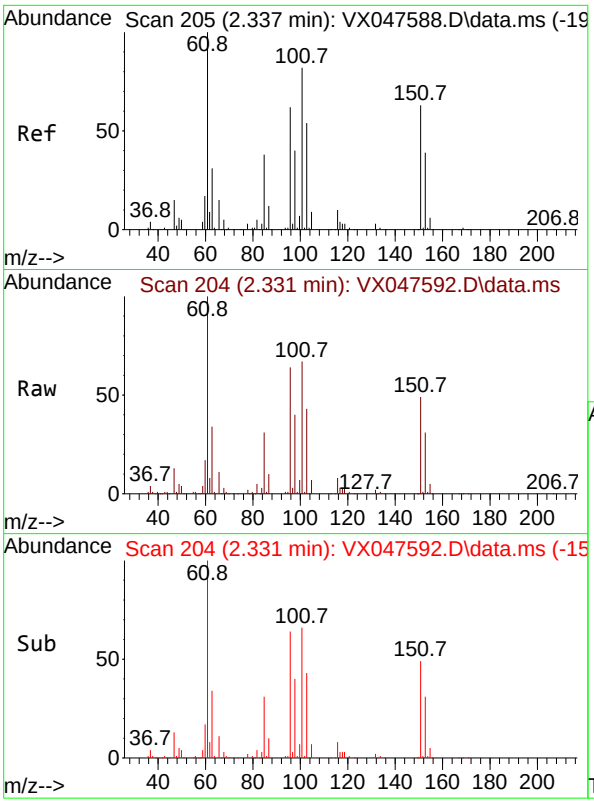




#8
Diethyl Ether
Concen: 46.693 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 74 Resp: 70459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 107.1 | 52.3 | 156.8 |



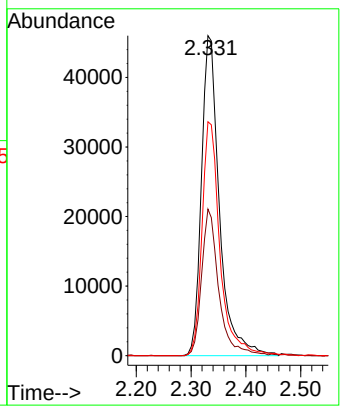


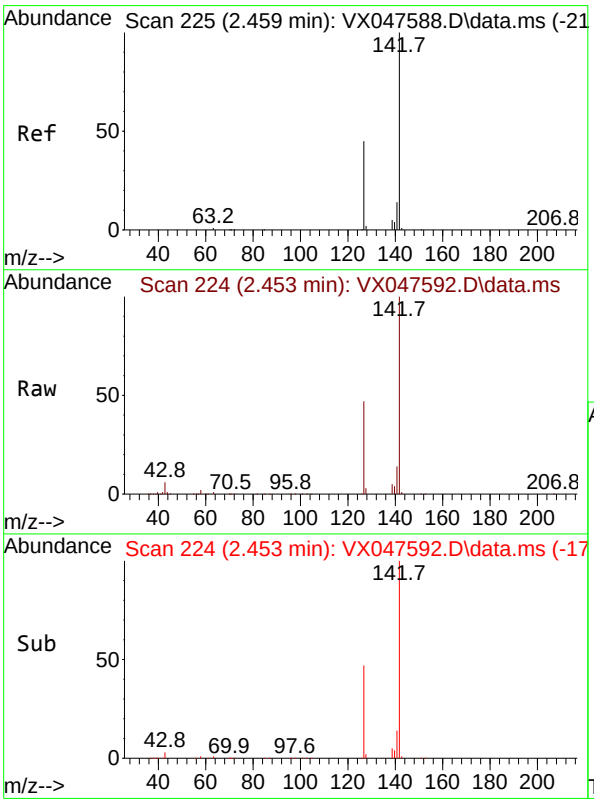

#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.524 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:101 Resp: 104663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.5 | 53.3 |
| 151 | 73.3 | 59.4 | 89.0 |

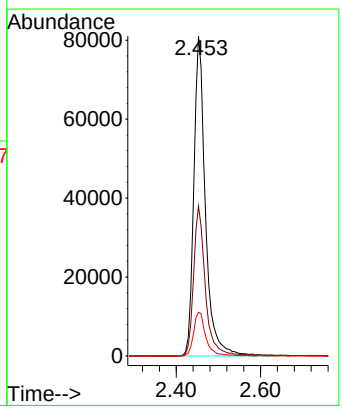


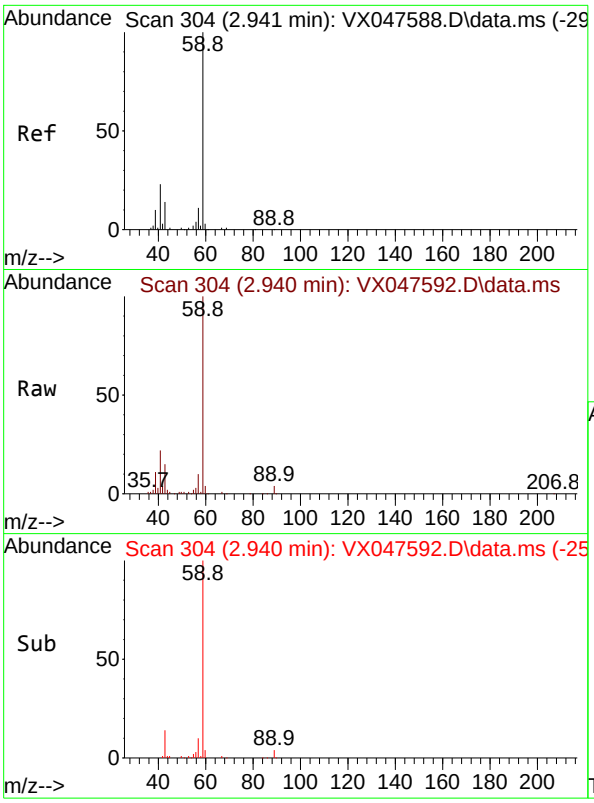




#10
Methyl Iodide
Concen: 46.210 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:142 Resp: 155450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 47.6 | 37.2 | 55.8 |
| 141 | 14.4 | 11.4 | 17.0 |



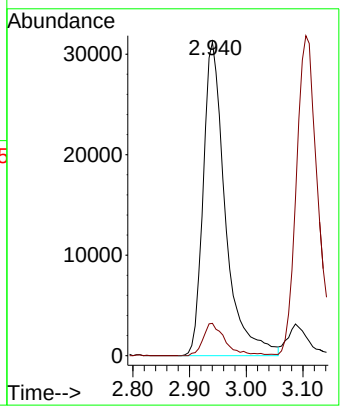


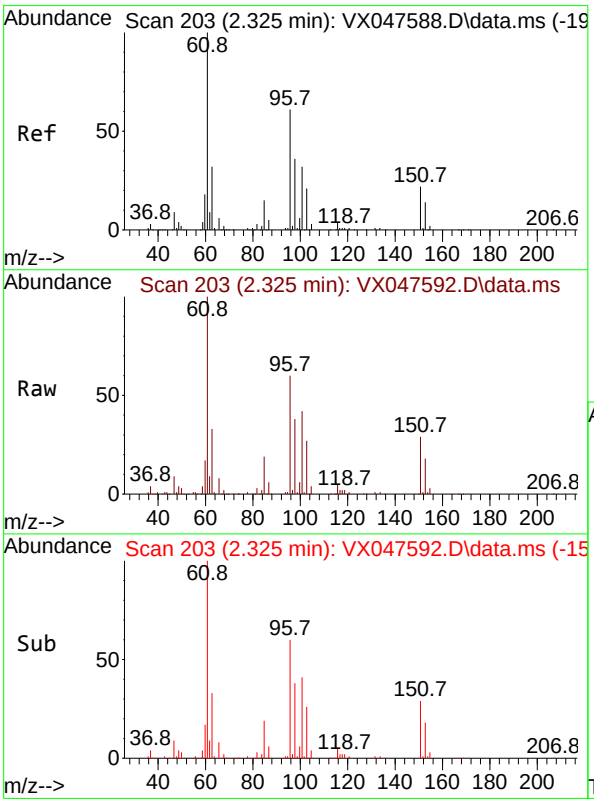

#11
Tert butyl alcohol
Concen: 256.271 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 59 Resp: 84722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.3 | 12.5 |

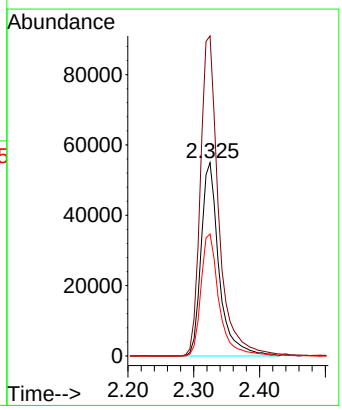


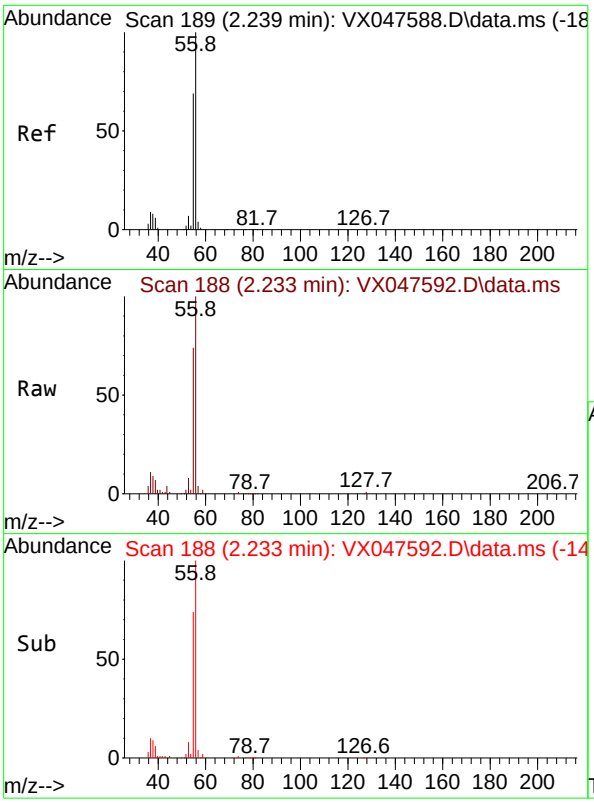




#12
1,1-Dichloroethene
Concen: 47.076 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 96 Resp: 104302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 131.0 | 196.6 |
| 98 | 63.1 | 47.7 | 71.5 |



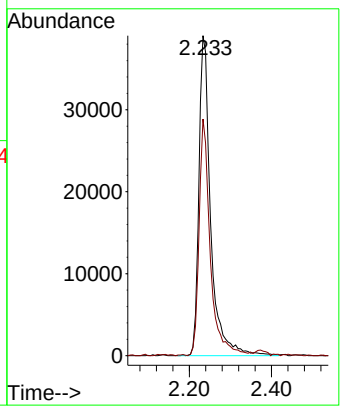


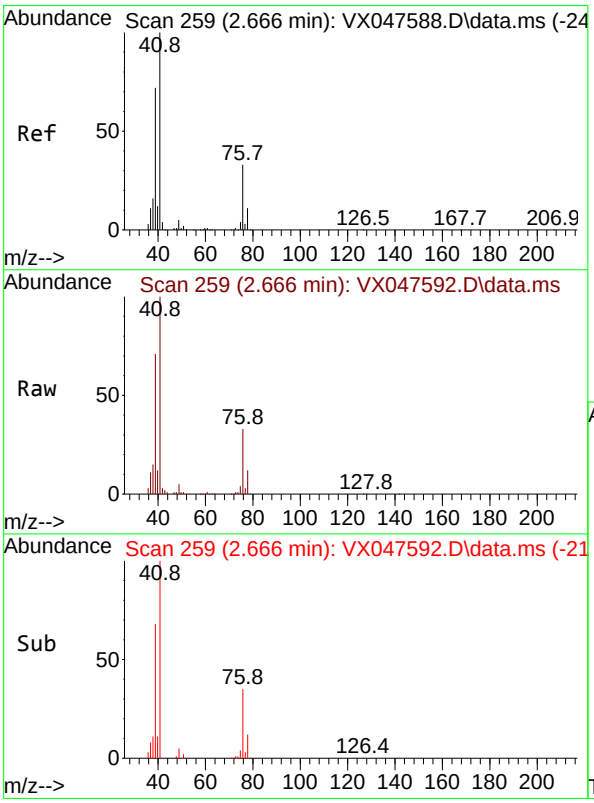

#13
Acrolein
Concen: 254.867 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 56 Resp: 77645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 70.3 | 57.2 | 85.8 |

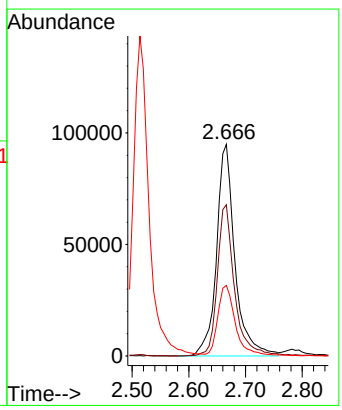


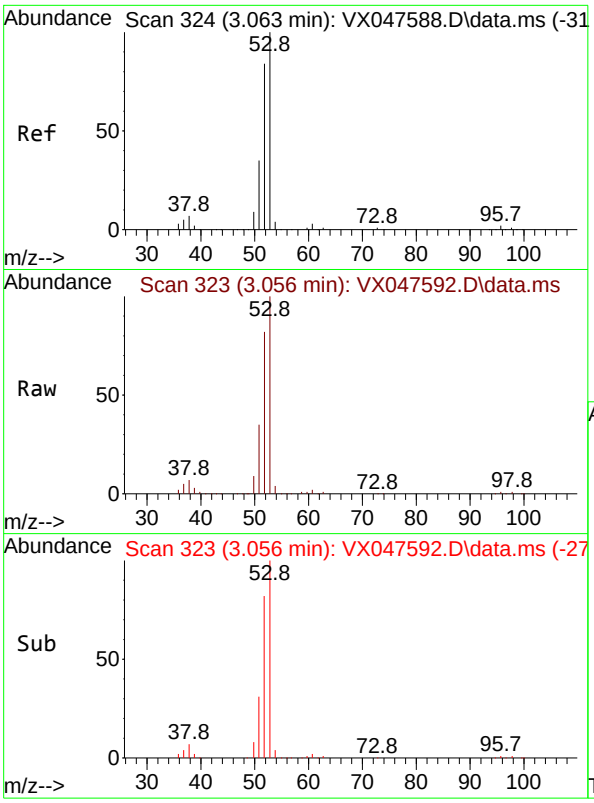




#14
Allyl chloride
Concen: 46.742 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 213704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.2 | 54.7 | 82.1 |
| 76 | 31.7 | 25.7 | 38.5 |



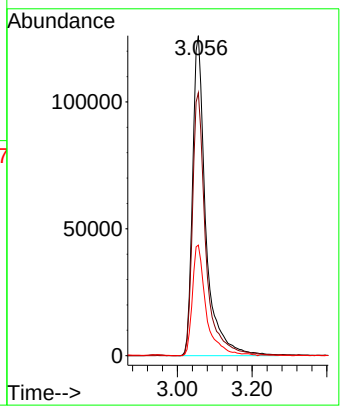


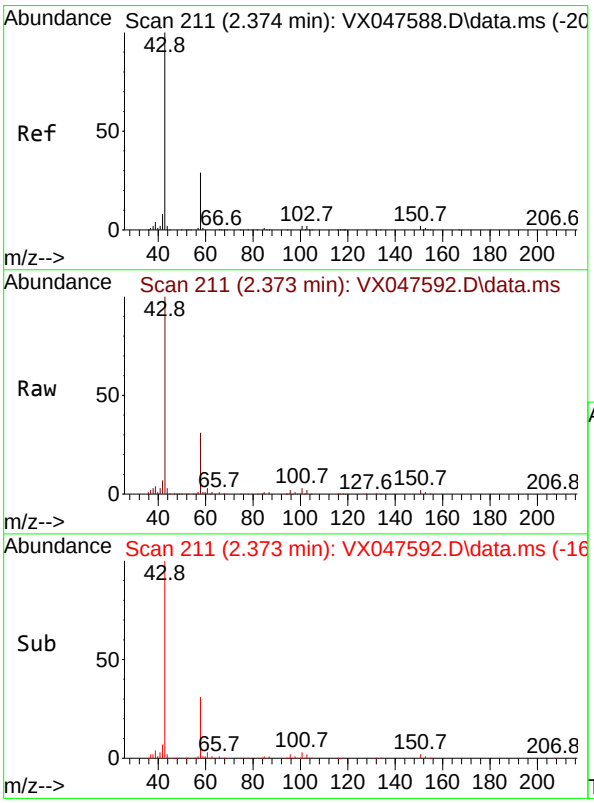

#15
Acrylonitrile
Concen: 253.567 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 53 Resp: 310505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |

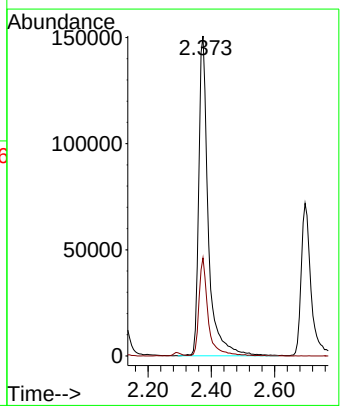


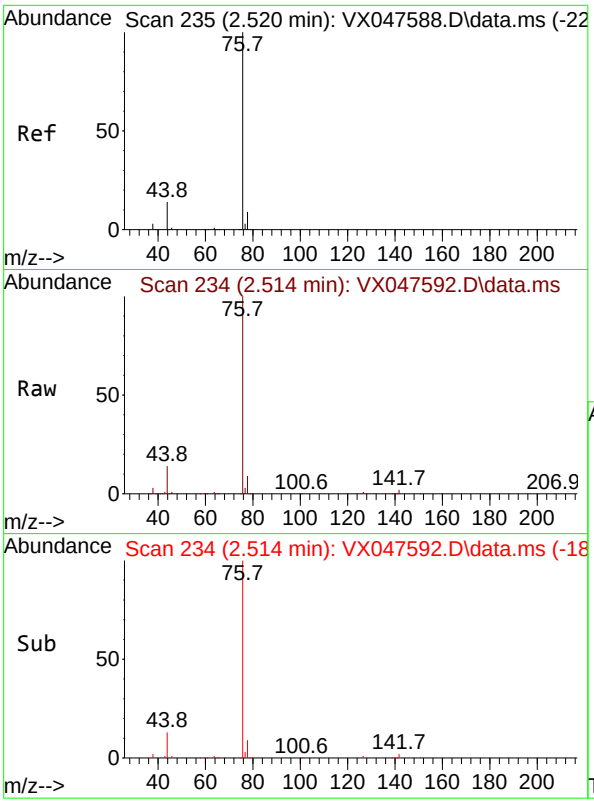




#16
Acetone
Concen: 245.006 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 316217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.6 | 23.4 | 35.0 |



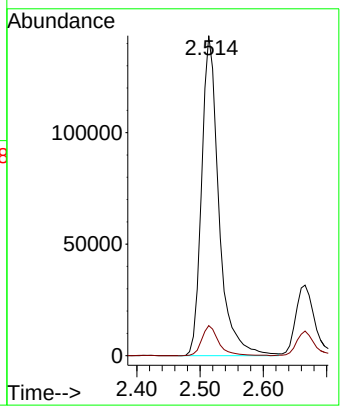


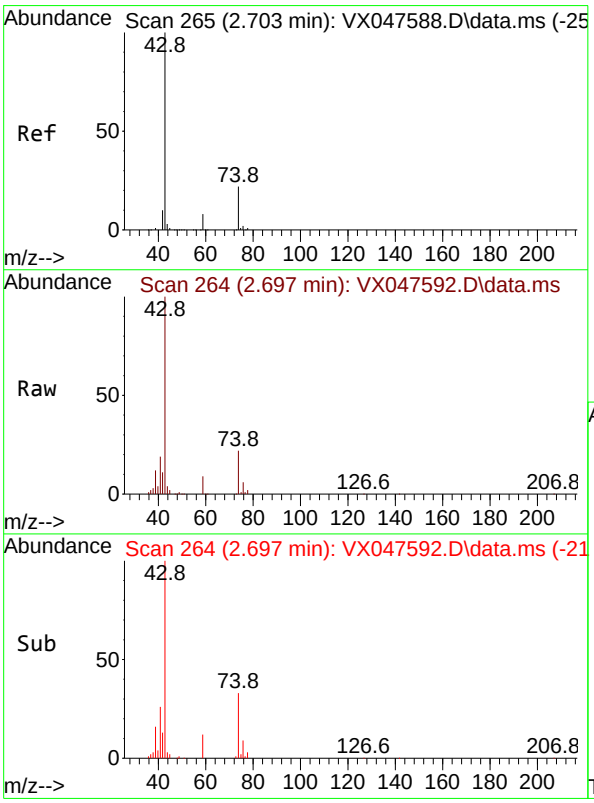

#17
Carbon Disulfide
Concen: 44.966 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 76 Resp: 272741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.6 | 6.8 | 10.2 |

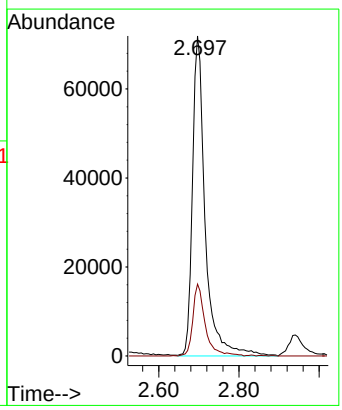


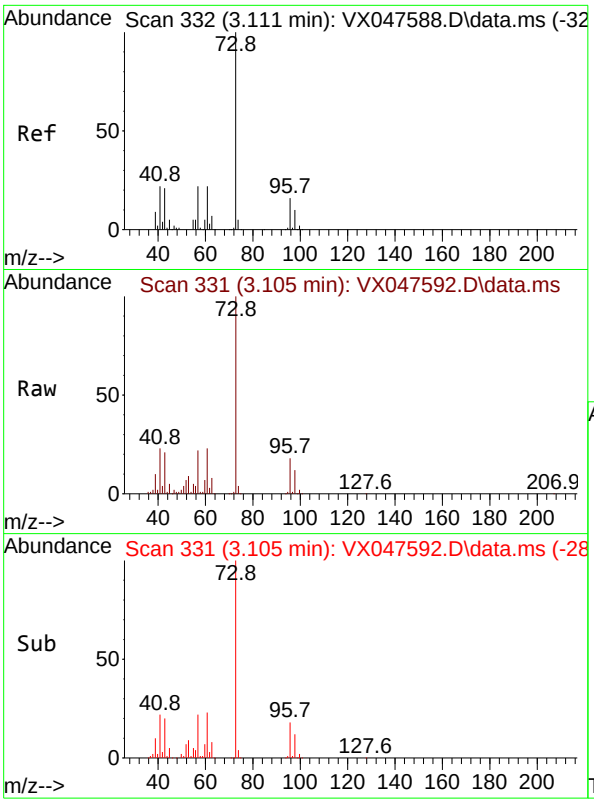




#18
Methyl Acetate
Concen: 55.175 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 158480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.8 | 17.4 | 26.2 |



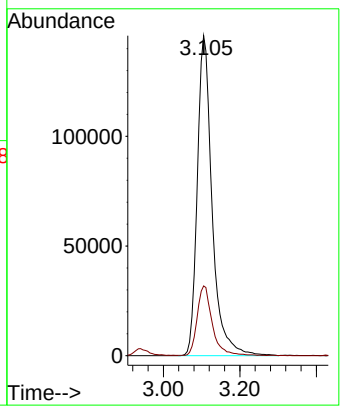


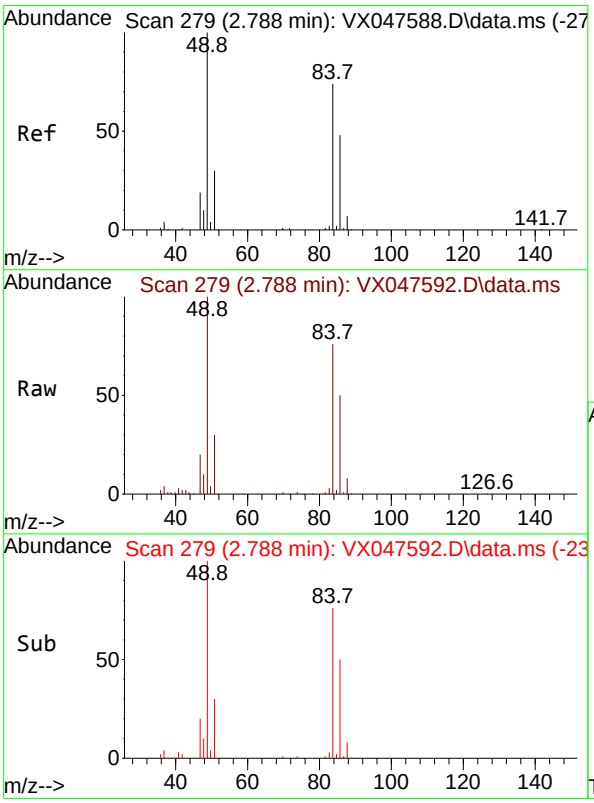

#19
Methyl tert-butyl Ether
Concen: 48.538 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 73 Resp: 392574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.7 | 17.4 | 26.2 |

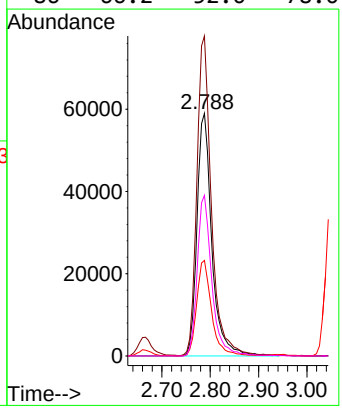


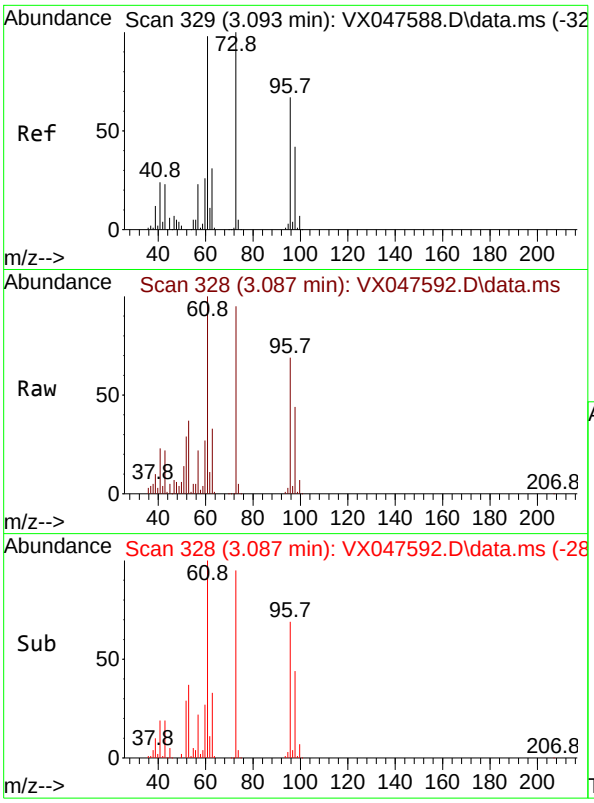




#20
Methylene Chloride
Concen: 46.000 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 84 Resp: 125669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 131.8 | 108.6 | 162.8 |
| 51 | 39.4 | 32.6 | 48.8 |
| 86 | 66.2 | 52.0 | 78.0 |



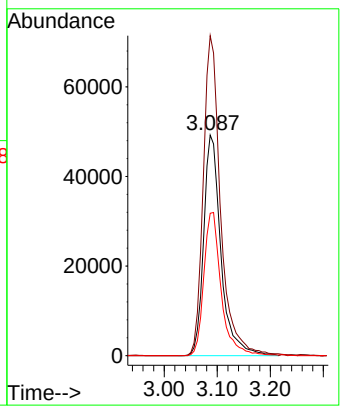


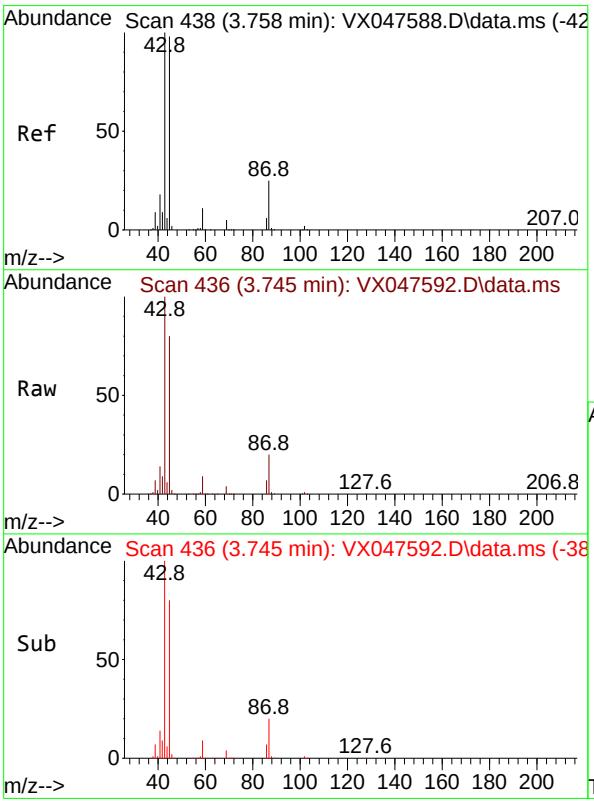

#21
trans-1,2-Dichloroethene
Concen: 46.709 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 96 Resp: 111418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 145.1 | 116.2 | 174.2 |
| 98 | 64.5 | 49.3 | 73.9 |

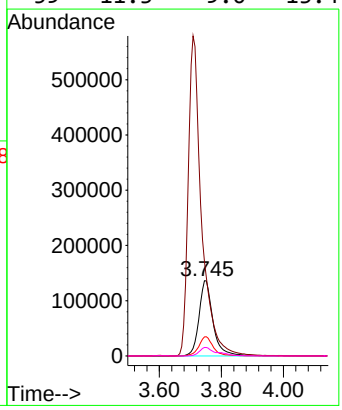


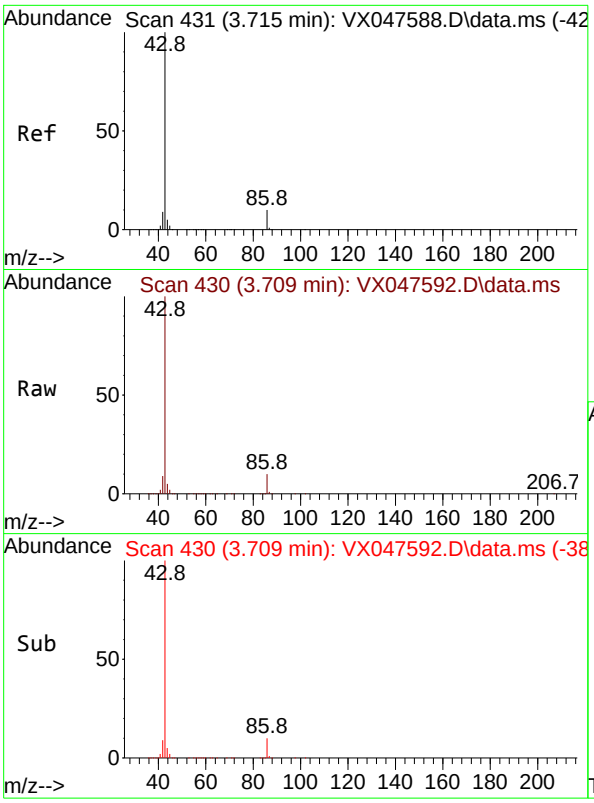




#22
Diisopropyl ether
Concen: 48.174 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 45 Resp: 426854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 124.9 | 81.0 | 121.4# |
| 87 | 25.2 | 20.3 | 30.5 |
| 59 | 11.3 | 9.0 | 13.4 |



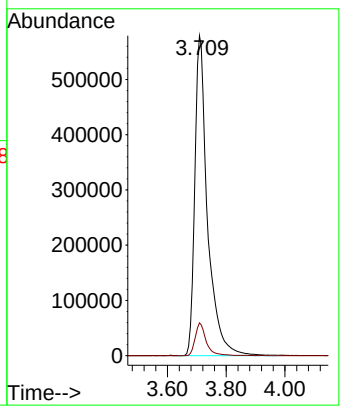


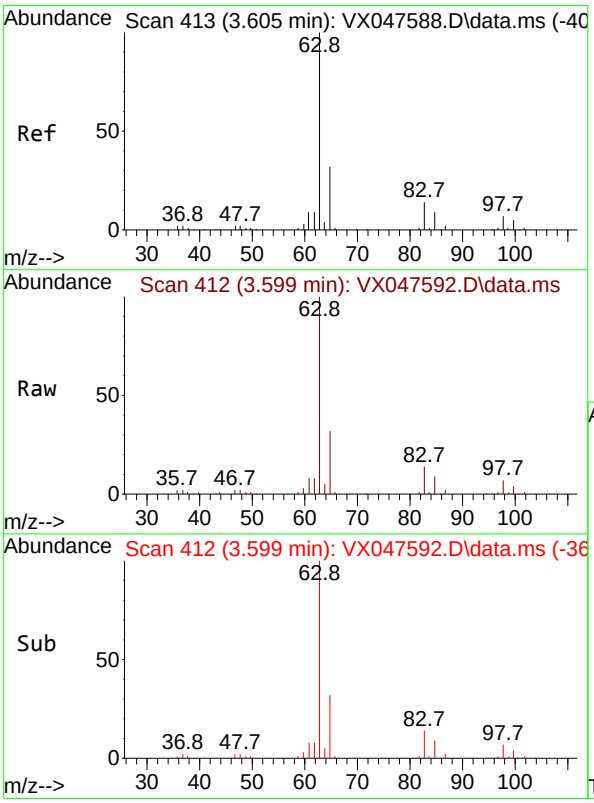

#23
Vinyl Acetate
Concen: 245.539 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 1741267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 7.8 | 11.8 |

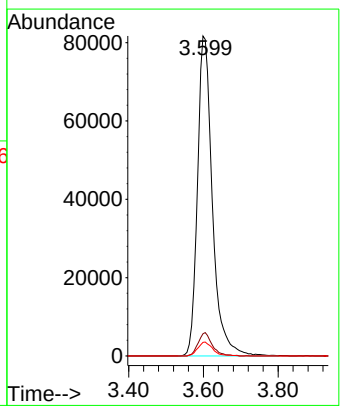


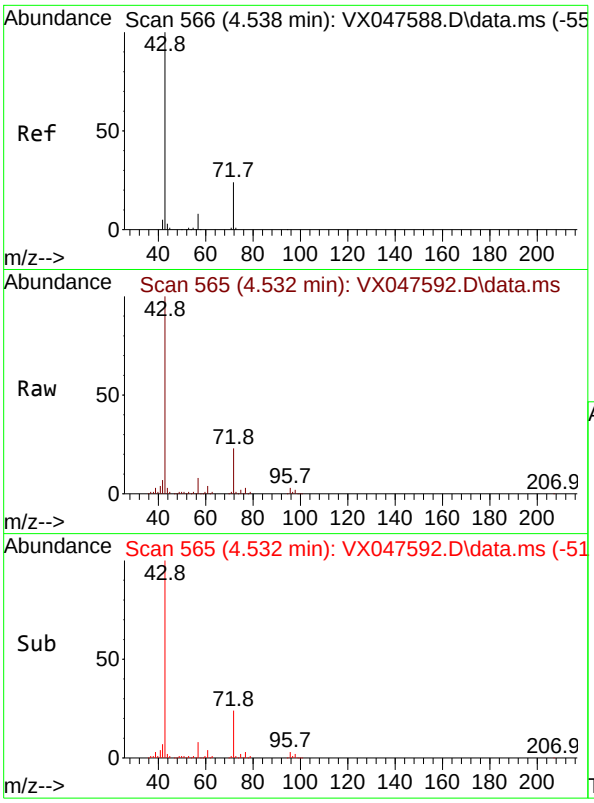




#24
1,1-Dichloroethane
Concen: 48.041 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 226249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 6.9 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |



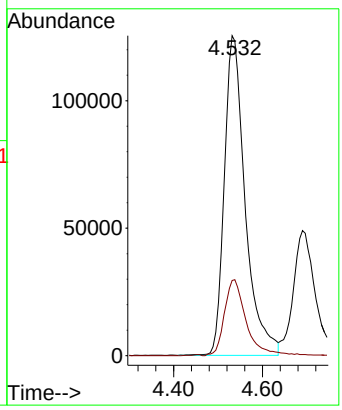


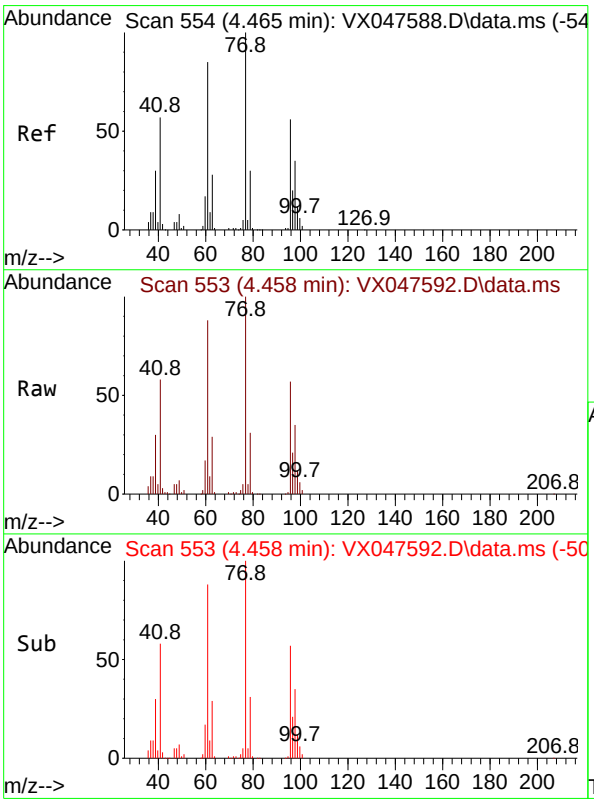

#25
2-Butanone
Concen: 253.598 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 408273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.5 | 20.1 | 30.1 |

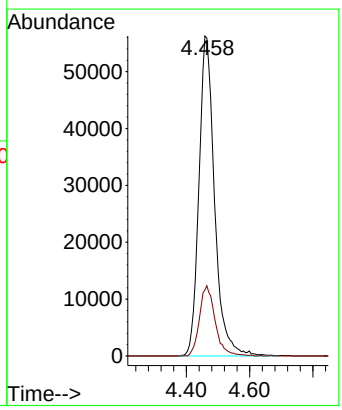


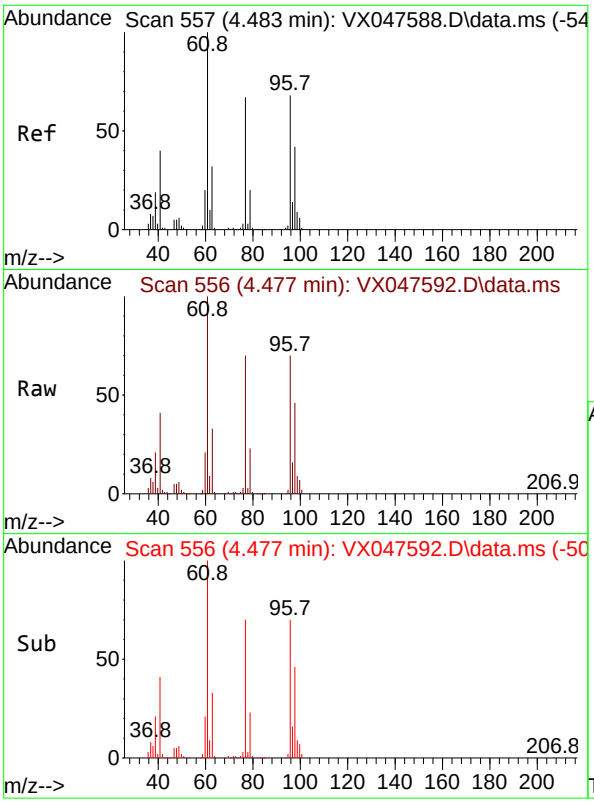




#26
2,2-Dichloropropane
Concen: 49.494 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 77 Resp: 193760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.0 | 10.9 | 32.7 |



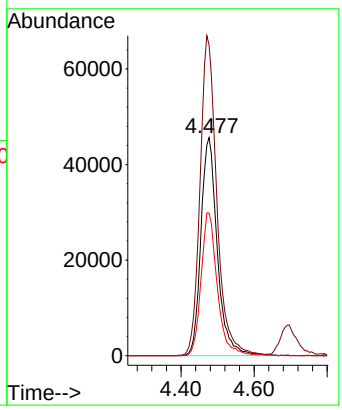


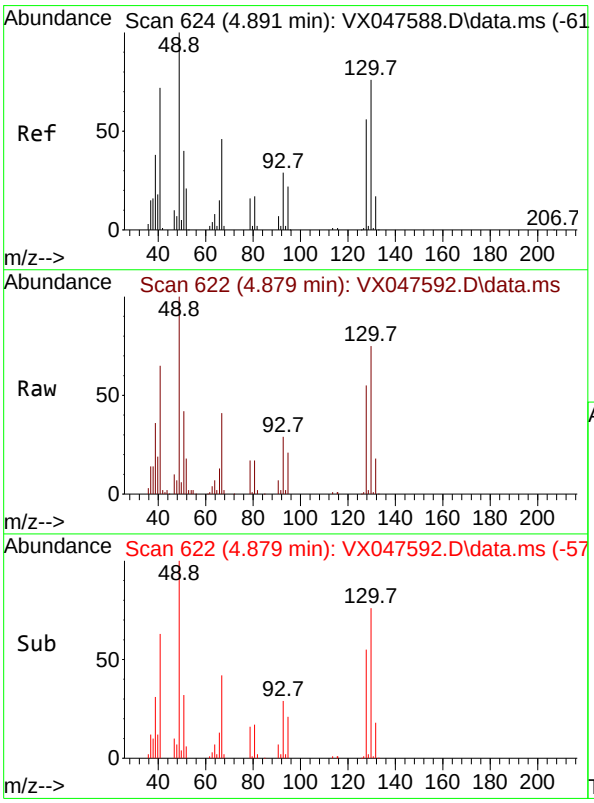

#27
cis-1,2-Dichloroethene
Concen: 48.826 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 96 Resp: 142635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 149.7 | 0.0 | 303.2 |
| 98 | 64.3 | 0.0 | 127.8 |

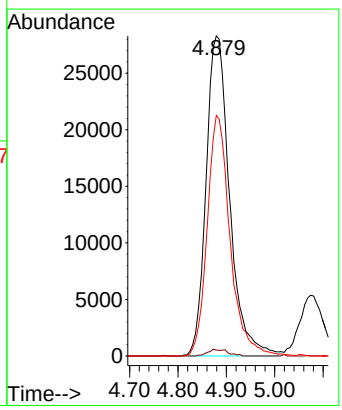


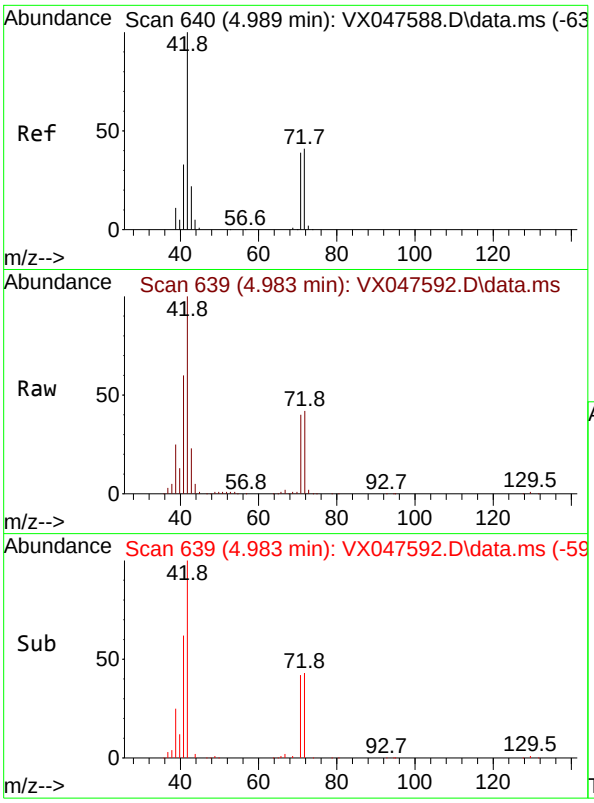




#28
Bromochloromethane
Concen: 46.586 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 49 Resp: 95782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.8 | 0.0 | 3.2 |
| 130 | 72.9 | 57.8 | 86.8 |



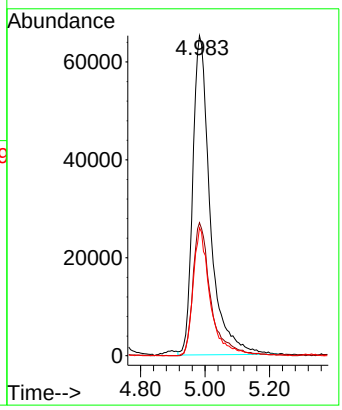


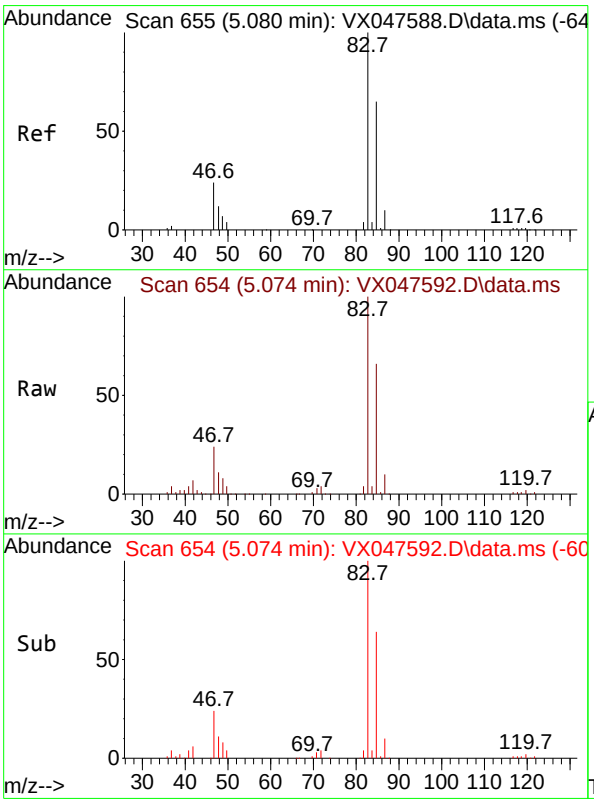

#29
Tetrahydrofuran
Concen: 253.375 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 42 Resp: 245392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.7 | 34.2 | 51.2 |
| 71 | 38.9 | 31.9 | 47.9 |

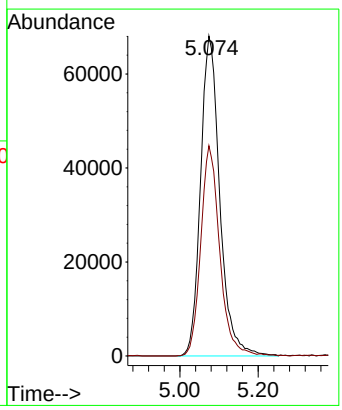


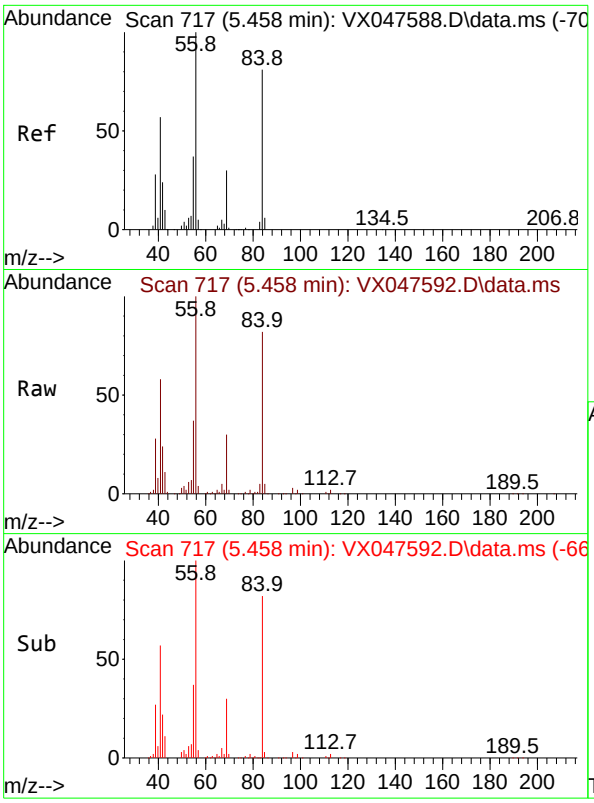




#30
Chloroform
Concen: 48.739 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 83 Resp: 231954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.6 | 51.8 | 77.6 |



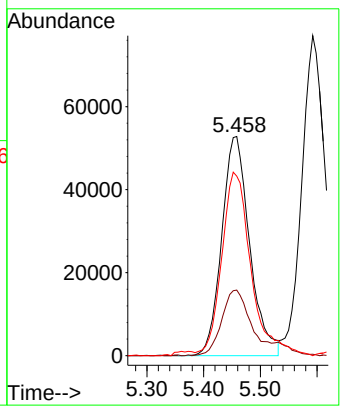


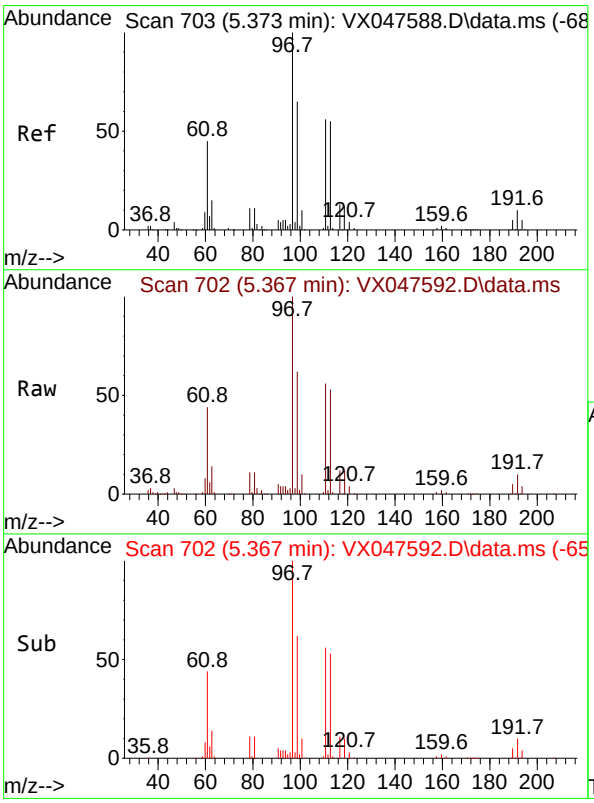

#31
Cyclohexane
Concen: 45.999 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 56 Resp: 180430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.6 | 23.8 | 35.8 |
| 84 | 80.3 | 64.6 | 97.0 |

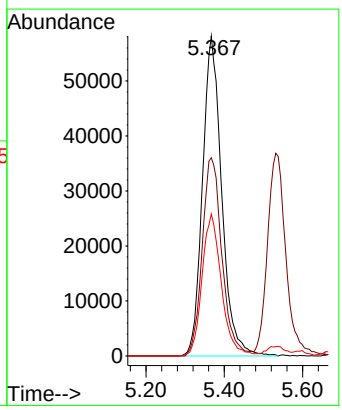


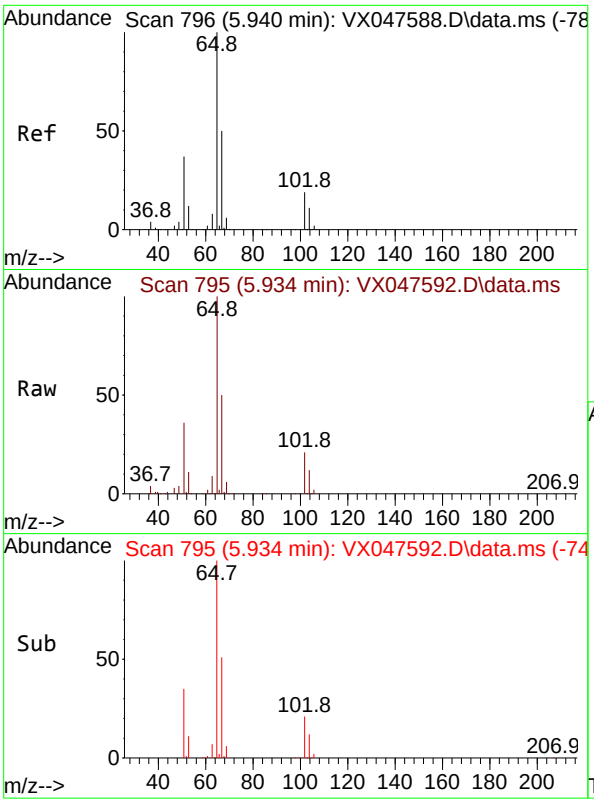




#32
1,1,1-Trichloroethane
Concen: 48.978 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 97 Resp: 197711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.5 | 50.6 | 76.0 |
| 61 | 44.6 | 35.8 | 53.8 |



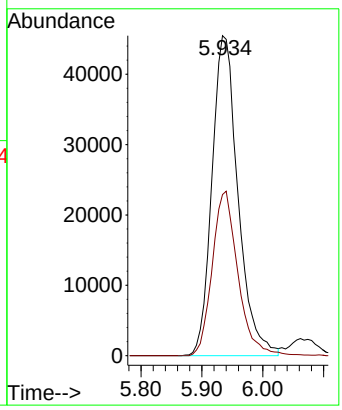


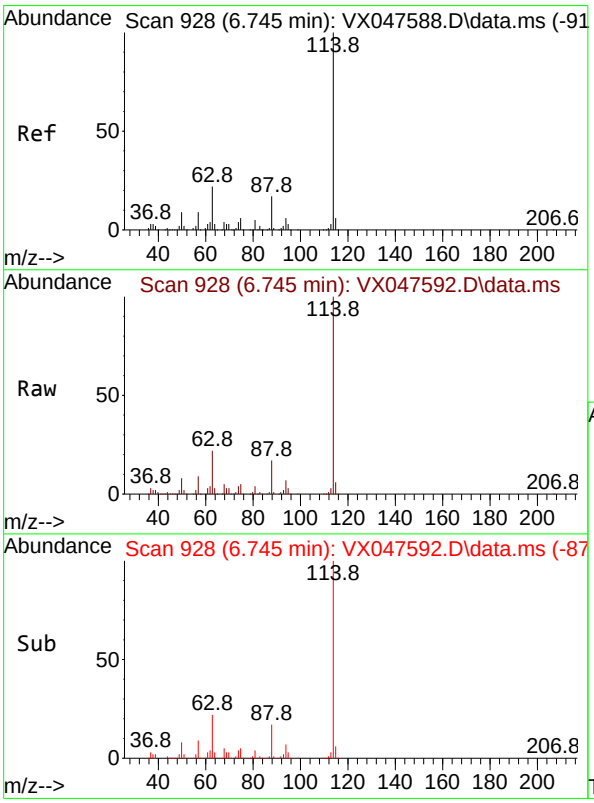

#33
1,2-Dichloroethane-d4
Concen: 45.550 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 65 Resp: 135209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.8 | 0.0 | 103.0 |

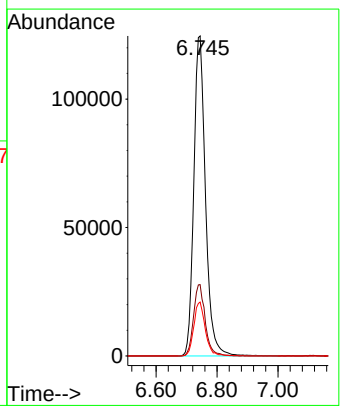


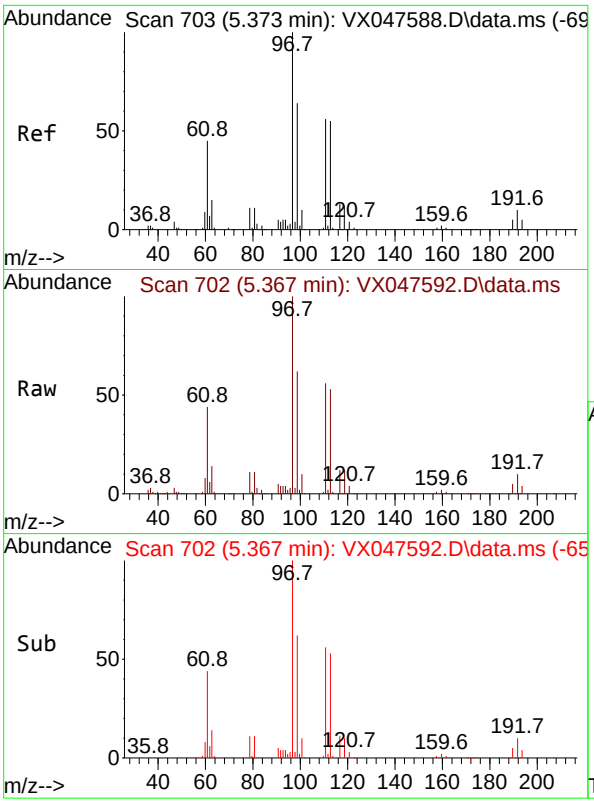




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:114 Resp: 331837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.3 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |



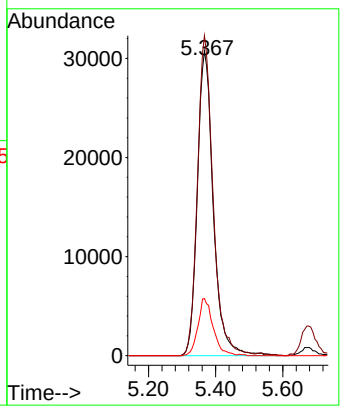


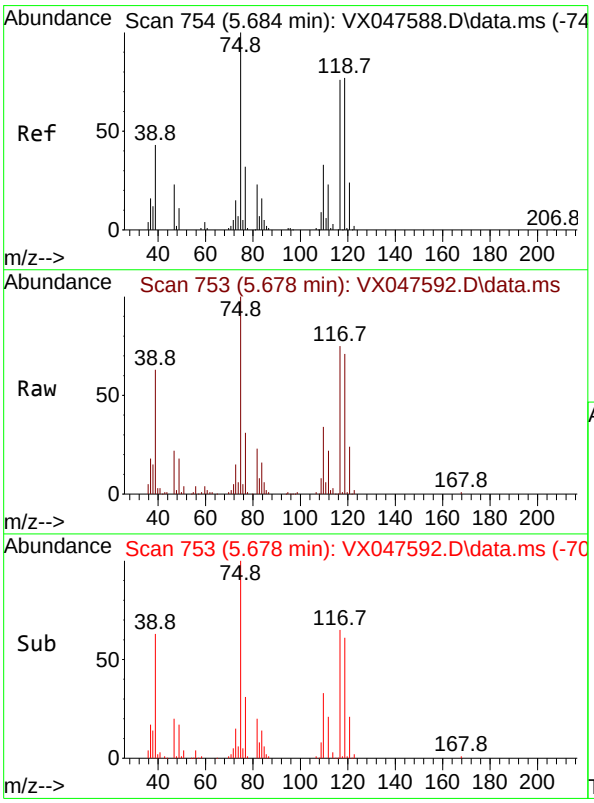

#35
Dibromofluoromethane
Concen: 45.559 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:113 Resp: 101390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.2 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |

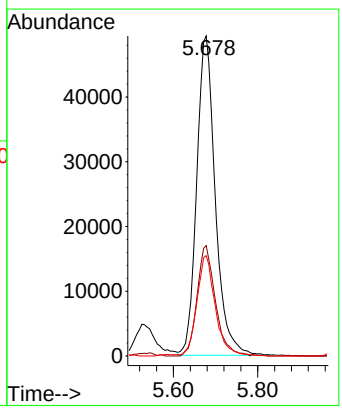


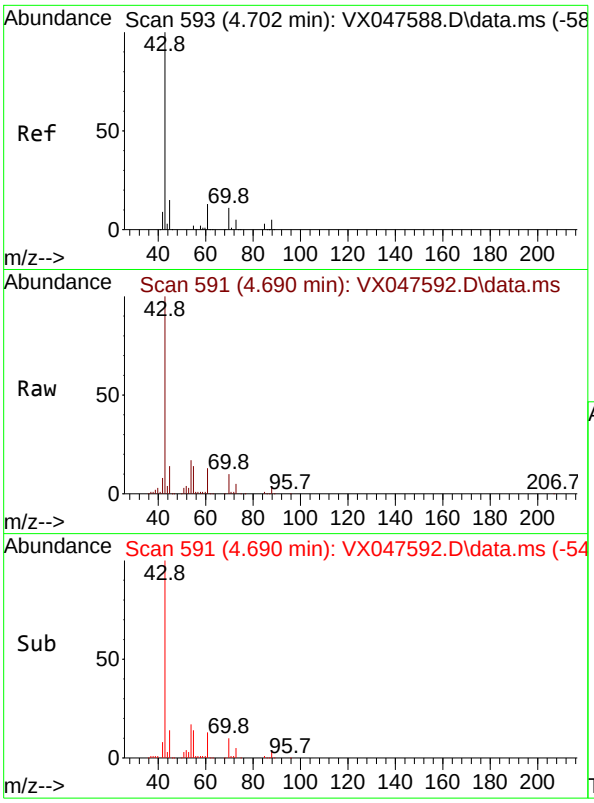




#36
1,1-Dichloropropene
Concen: 46.663 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 151745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.9 | 16.7 | 50.1 |
| 77 | 31.0 | 24.3 | 36.5 |



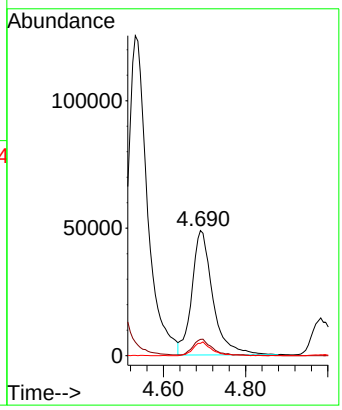


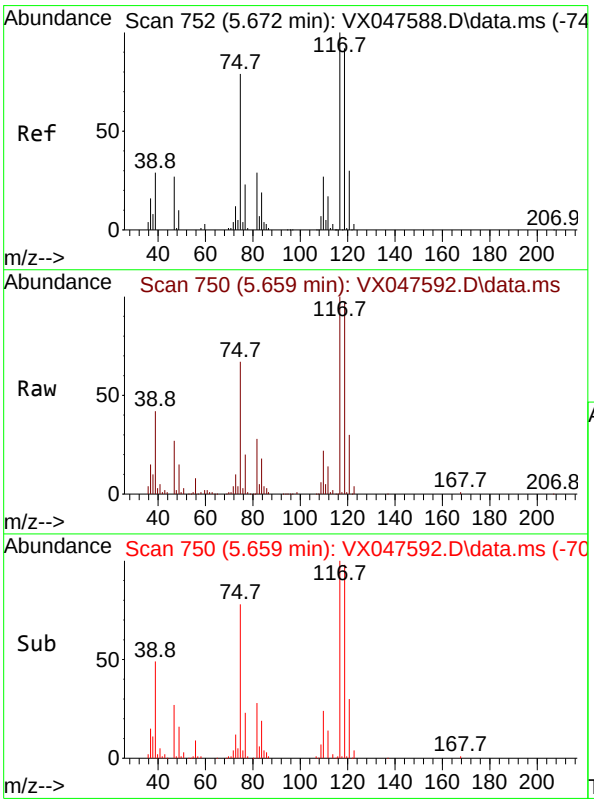

#37
Ethyl Acetate
Concen: 49.241 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 171454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 10.8 | 9.8 | 14.8 |
| 70 | 9.8 | 7.9 | 11.9 |

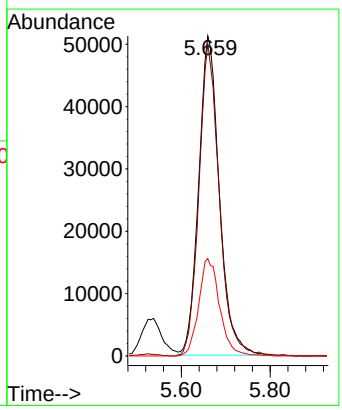


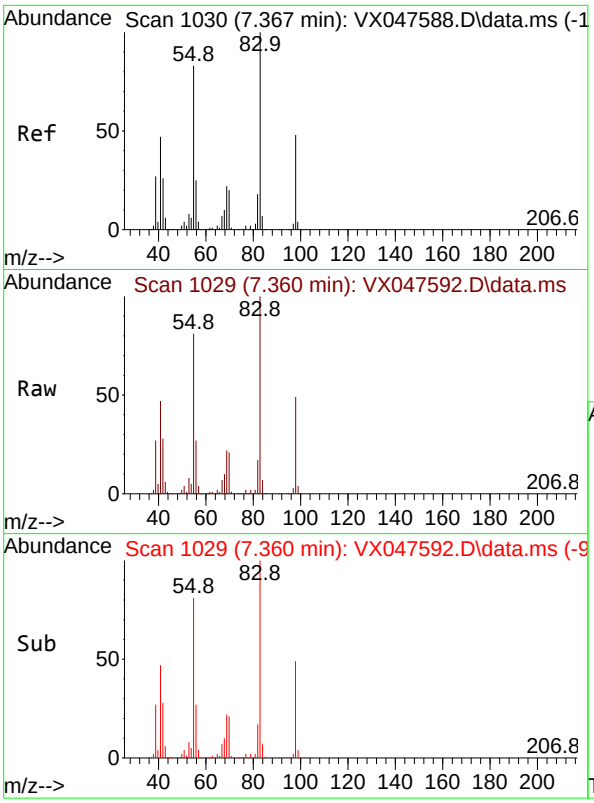




#38
Carbon Tetrachloride
Concen: 46.935 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 165834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 97.6 | 73.4 | 110.2 |
| 121 | 30.5 | 23.8 | 35.6 |



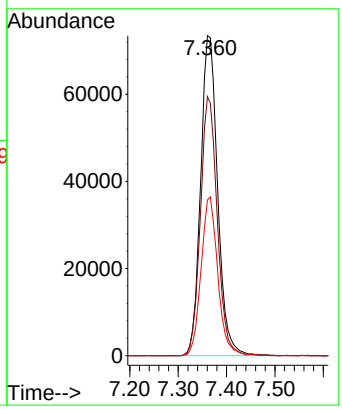


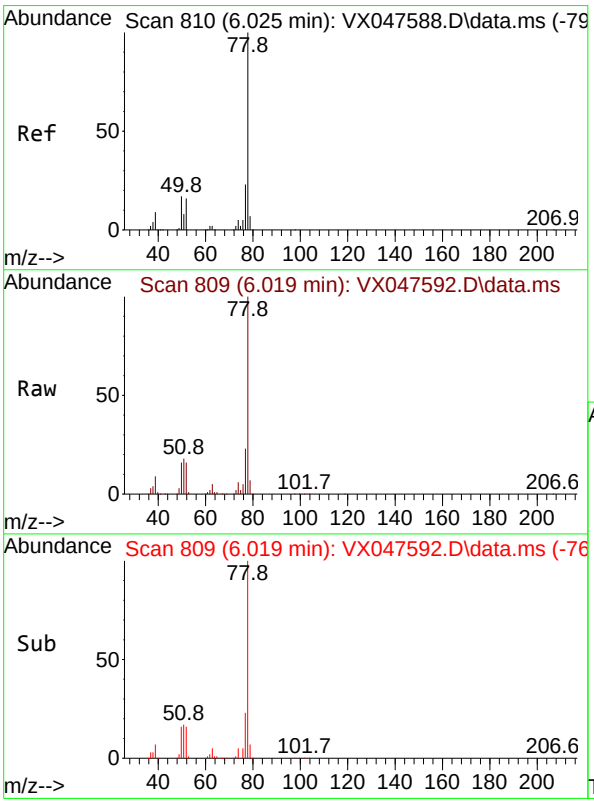

#39
Methylcyclohexane
Concen: 48.597 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 83 Resp: 179392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.0 | 66.4 | 99.6 |
| 98 | 48.7 | 38.1 | 57.1 |

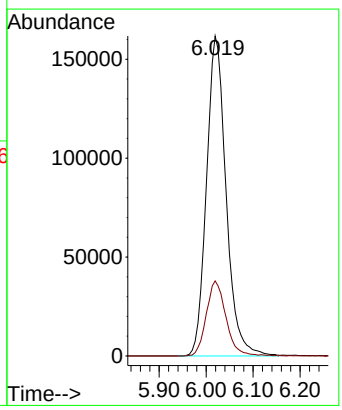


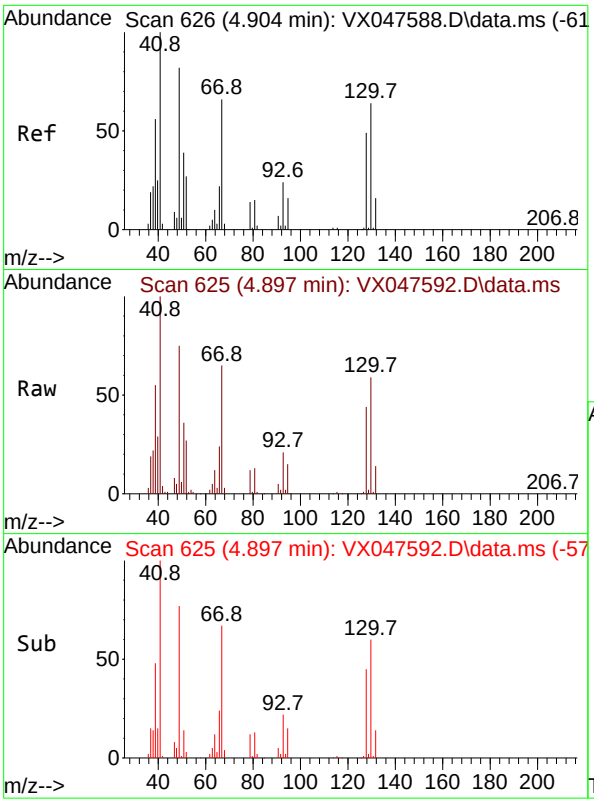




#40
Benzene
Concen: 47.357 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 78 Resp: 467748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



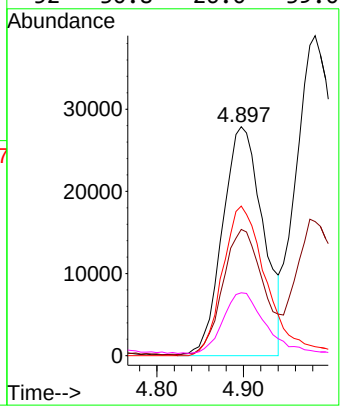


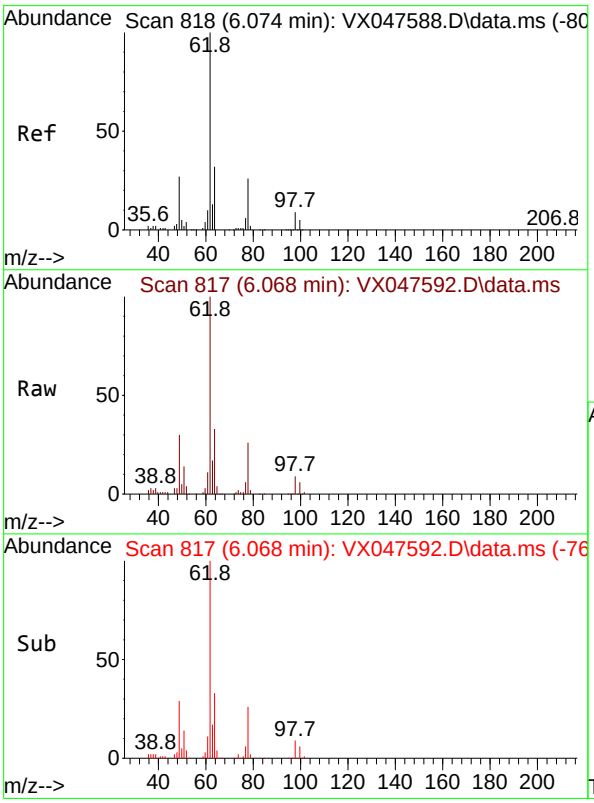

#41
Methacrylonitrile
Concen: 50.490 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 41 Resp: 90758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 55.9 | 43.3 | 64.9 |
| 67 | 72.5 | 58.6 | 87.8 |
| 52 | 30.8 | 26.0 | 39.0 |

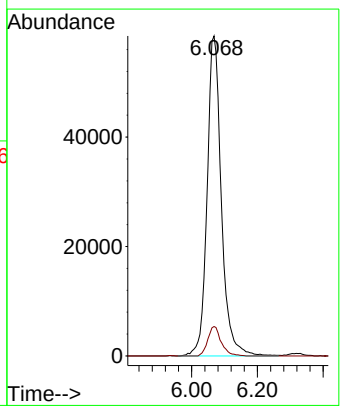


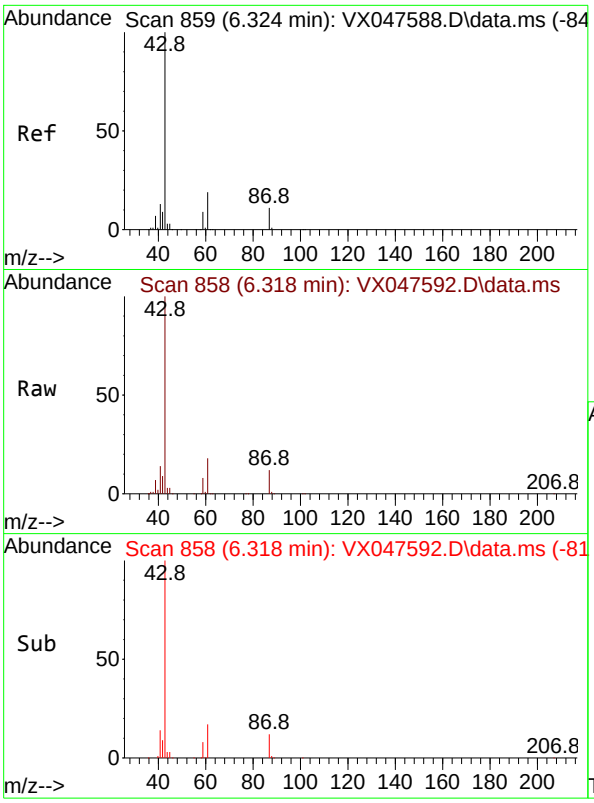




#42
1,2-Dichloroethane
Concen: 46.867 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 62 Resp: 176131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 8.7 | 0.0 | 17.0 |



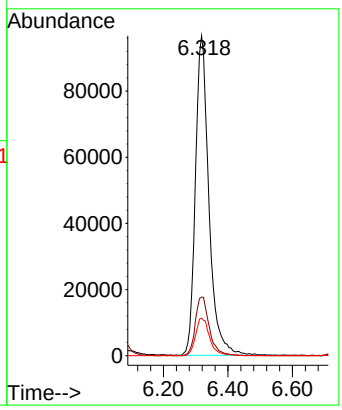


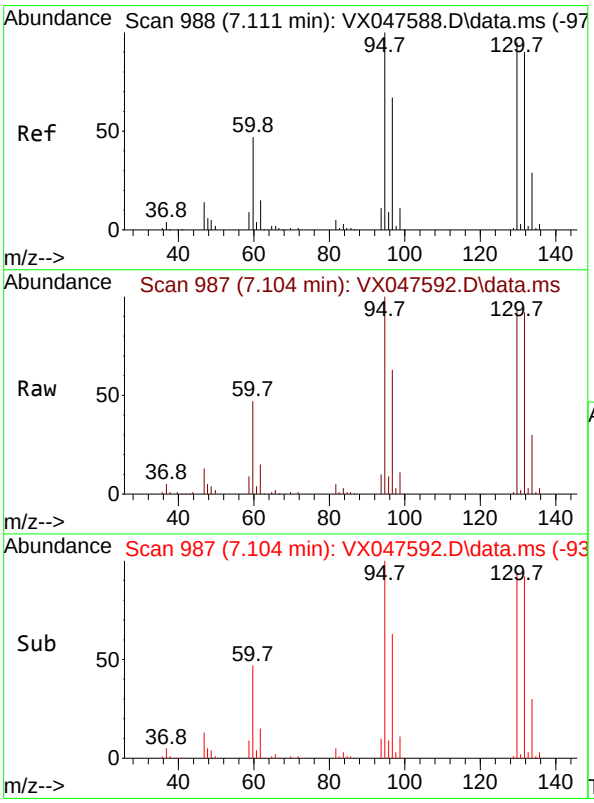

#43
Isopropyl Acetate
Concen: 49.136 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 280595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.2 | 22.8 |
| 87 | 12.2 | 9.6 | 14.4 |

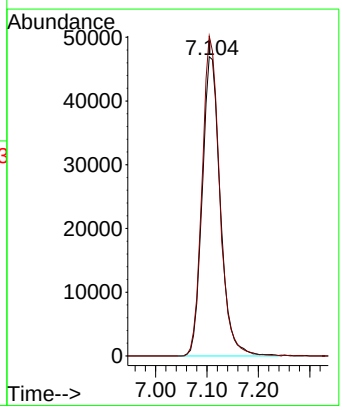


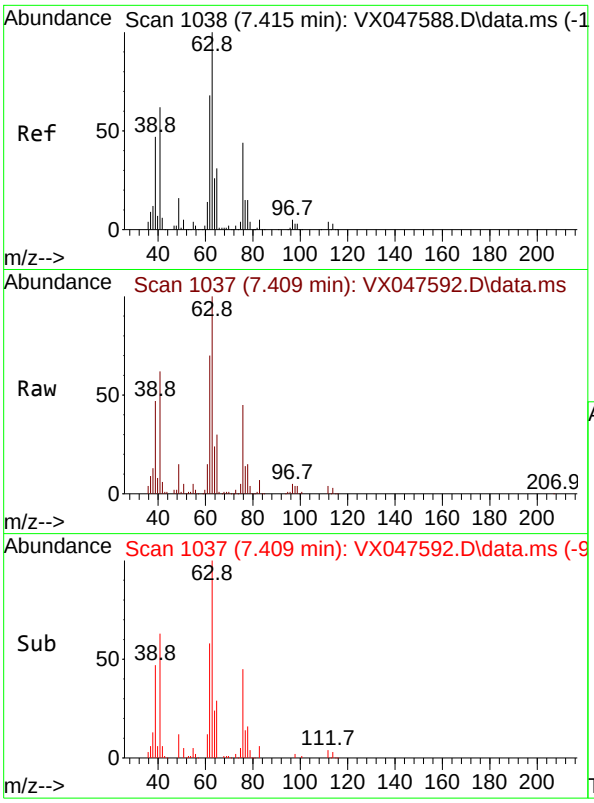




#44
Trichloroethene
Concen: 48.037 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:130 Resp: 114708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 107.0 | 0.0 | 210.8 |



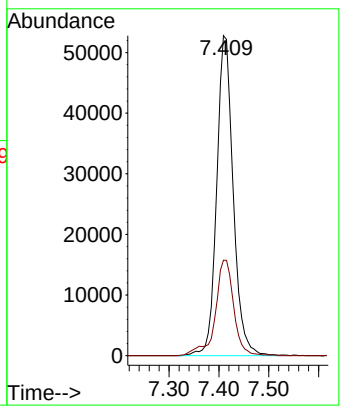


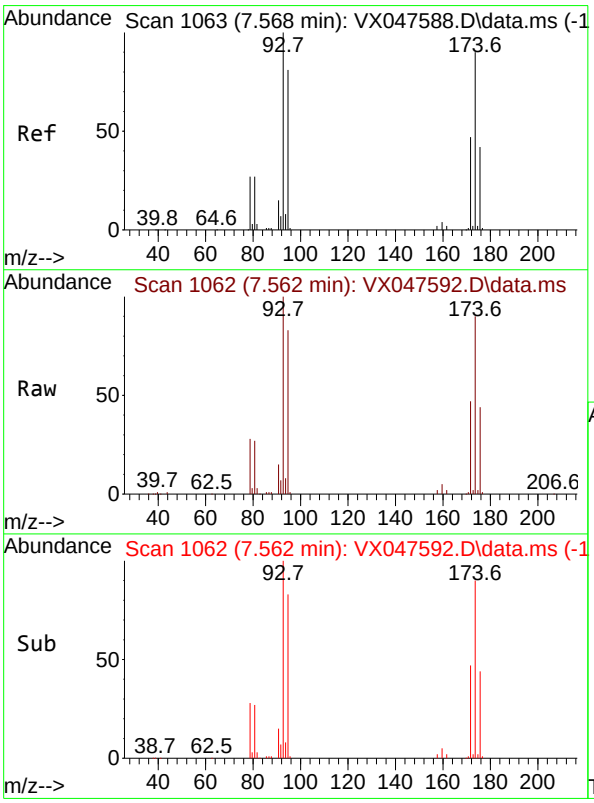

#45
1,2-Dichloropropane
Concen: 48.053 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 63 Resp: 121532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.8 | 24.7 | 37.1 |

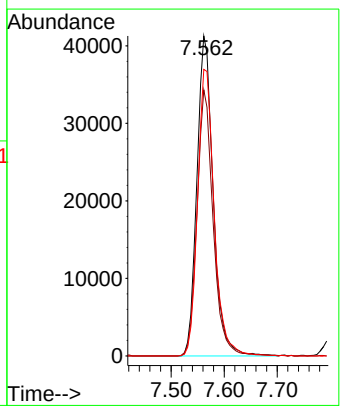


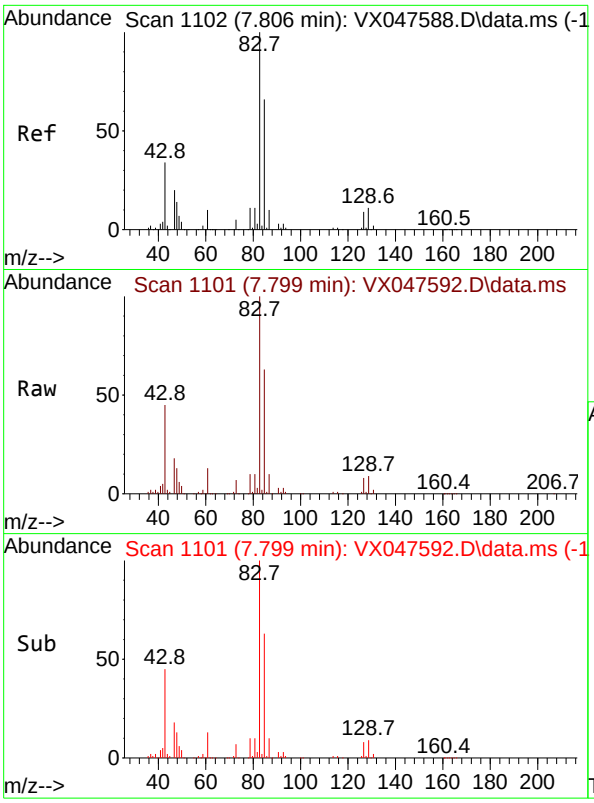




#46
Dibromomethane
Concen: 47.976 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 93 Resp: 88297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 91.3 | 71.6 | 107.4 |



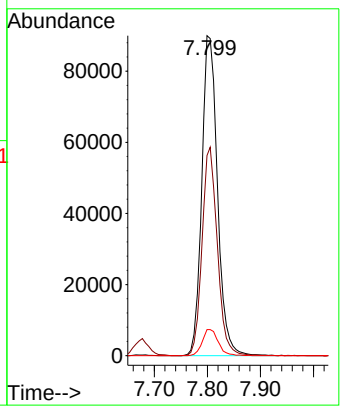


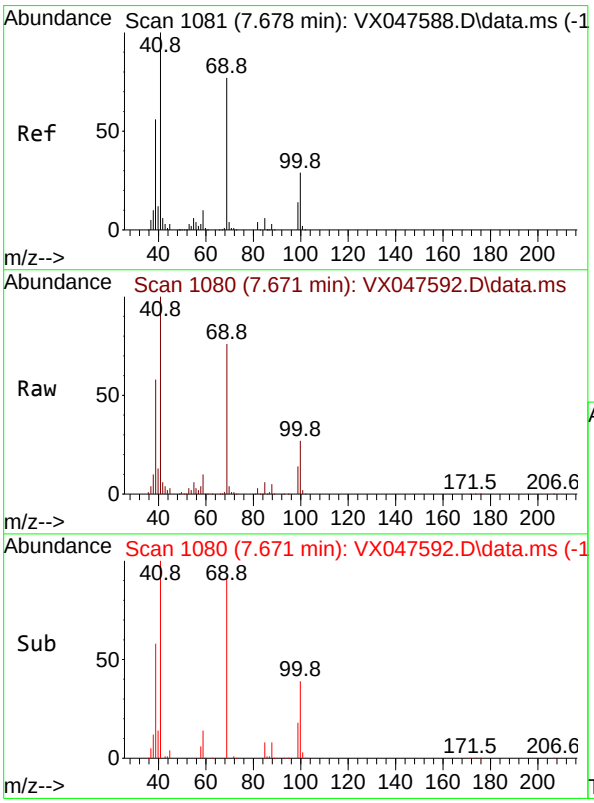

#47
Bromodichloromethane
Concen: 48.769 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 83 Resp: 185219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 52.5 | 78.7 |
| 127 | 8.1 | 6.9 | 10.3 |

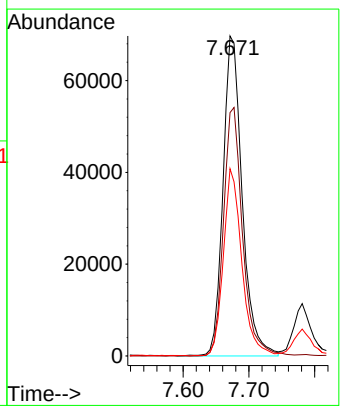


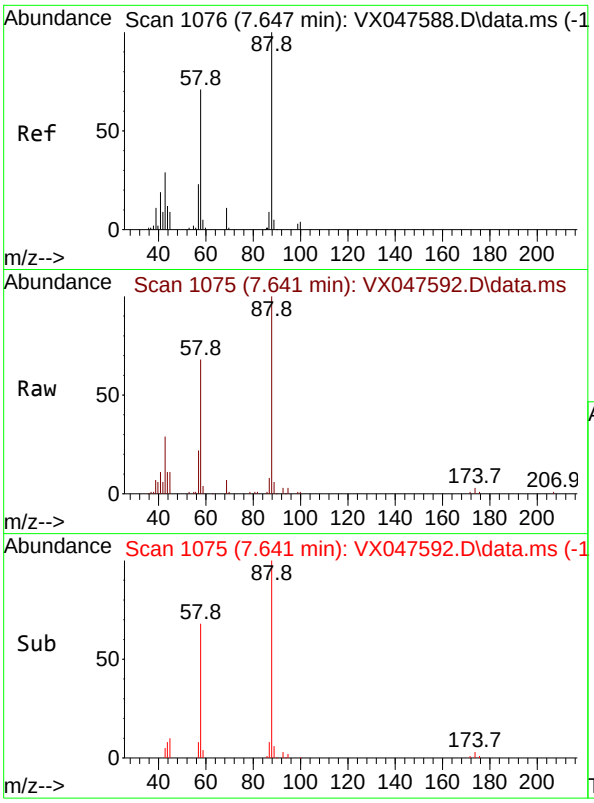




#48
Methyl methacrylate
Concen: 49.757 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 41 Resp: 141532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 77.1 | 61.4 | 92.2 |
| 39 | 56.4 | 45.8 | 68.6 |



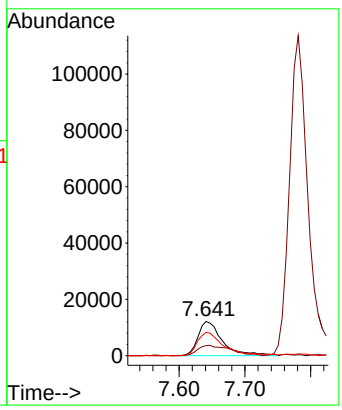


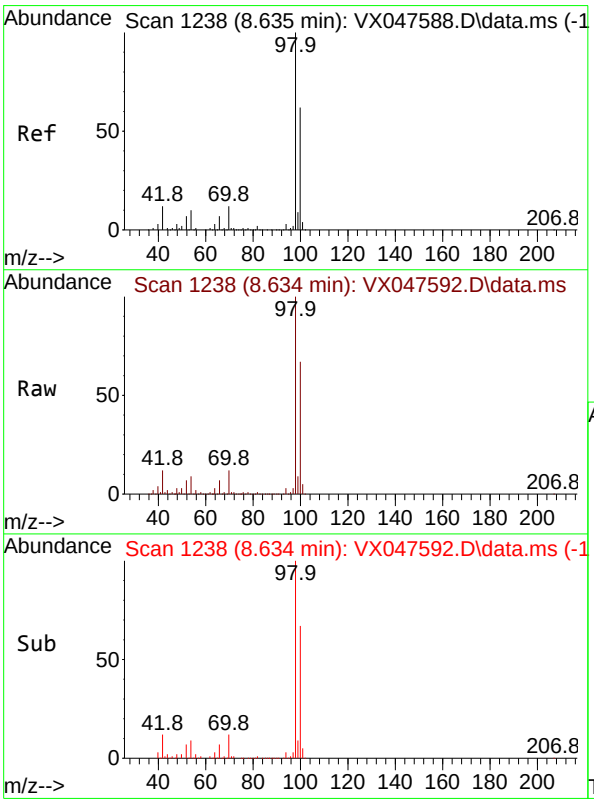

#49
1,4-Dioxane
Concen: 1089.520 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 88 Resp: 31320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.9 | 30.2 | 45.2 |
| 58 | 74.1 | 59.5 | 89.3 |

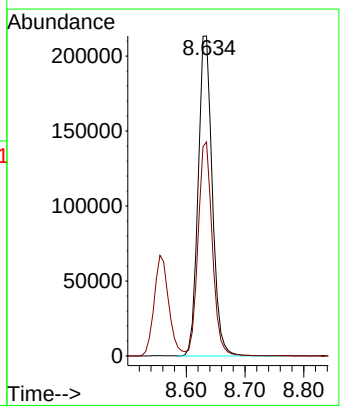


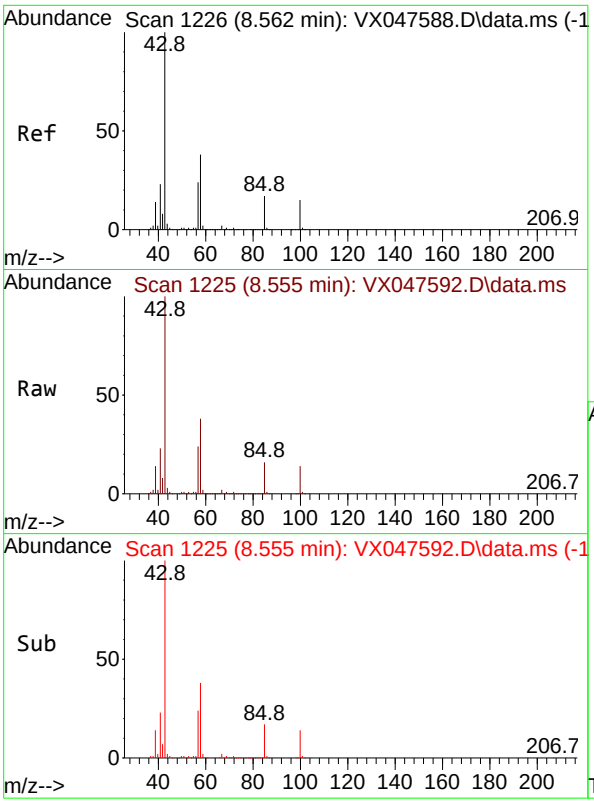




#50
Toluene-d8
Concen: 46.411 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 98 Resp: 357393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.2 | 53.0 | 79.4 |



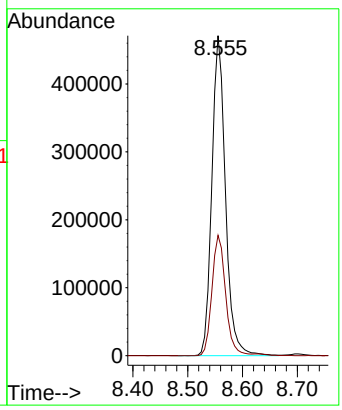


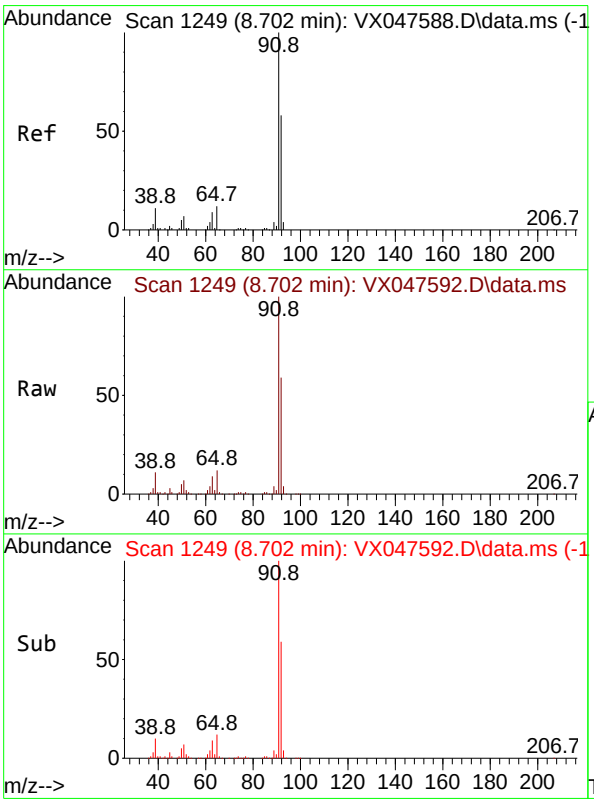

#51
4-Methyl-2-Pentanone
Concen: 255.752 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 809759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |

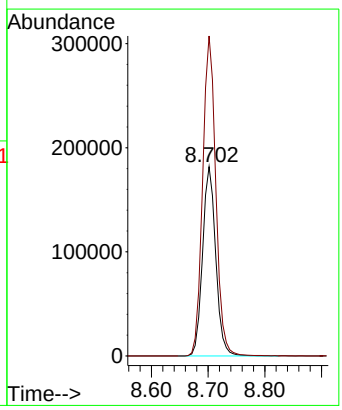


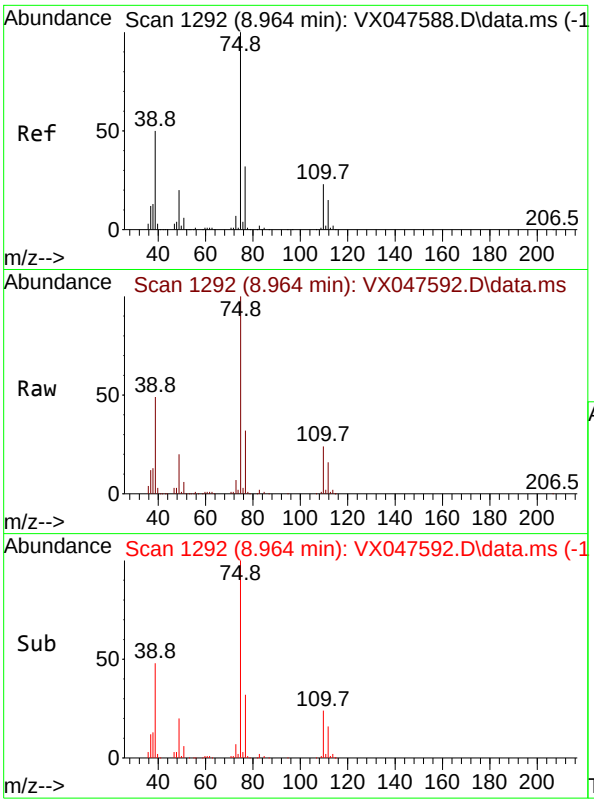




#52
Toluene
Concen: 48.130 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 92 Resp: 292879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.4 | 137.1 | 205.7 |



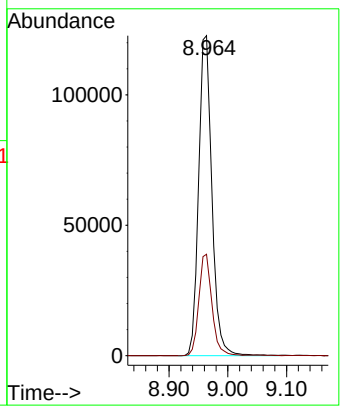


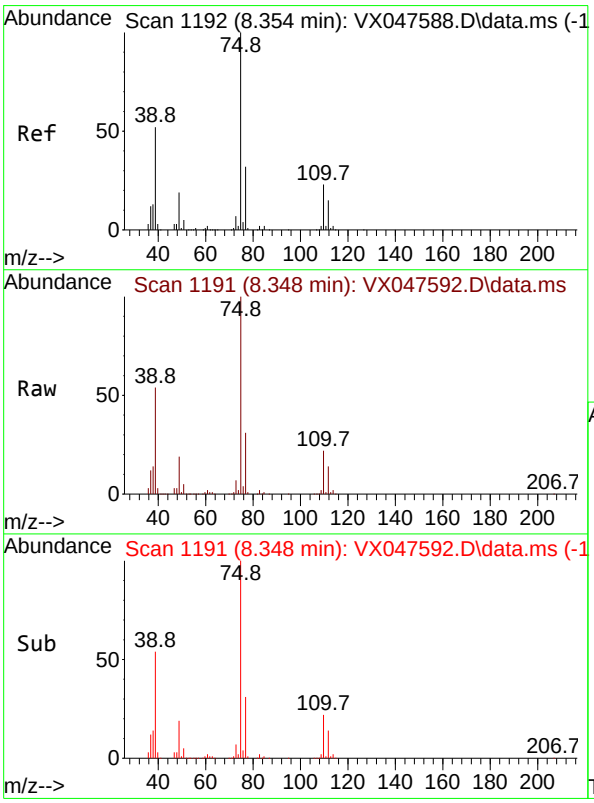

#53
t-1,3-Dichloropropene
Concen: 49.527 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 75 Resp: 191863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.7 | 25.4 | 38.2 |

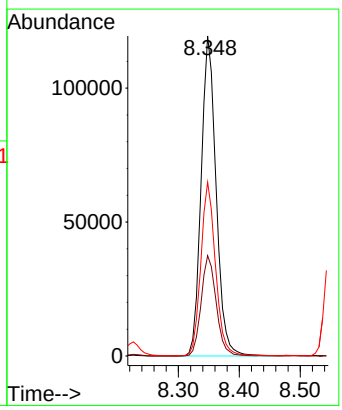


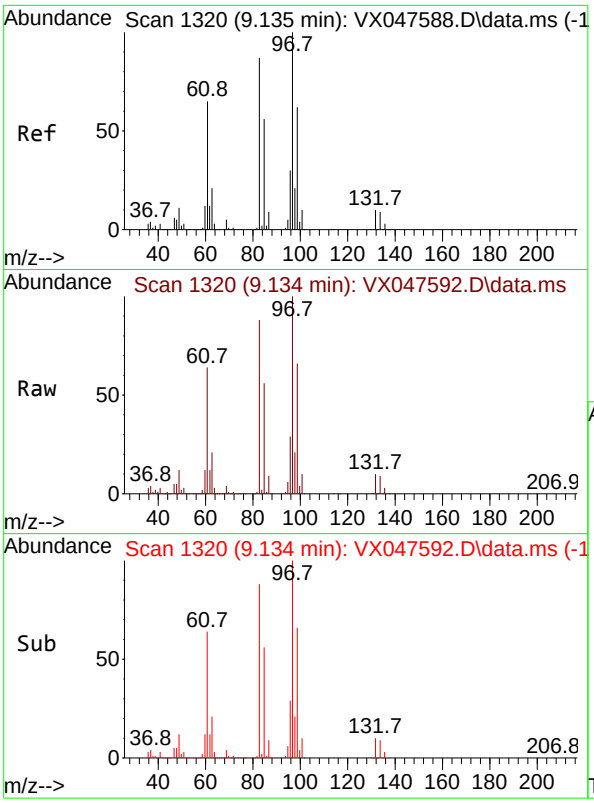




#54
cis-1,3-Dichloropropene
Concen: 49.257 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 203954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.3 | 25.8 | 38.6 |
| 39 | 54.2 | 41.4 | 62.2 |



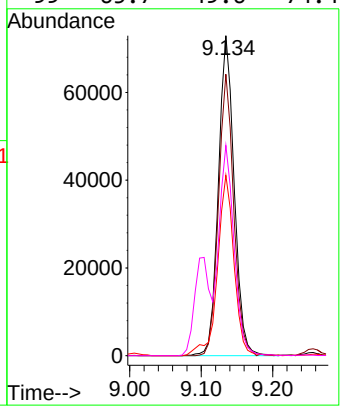


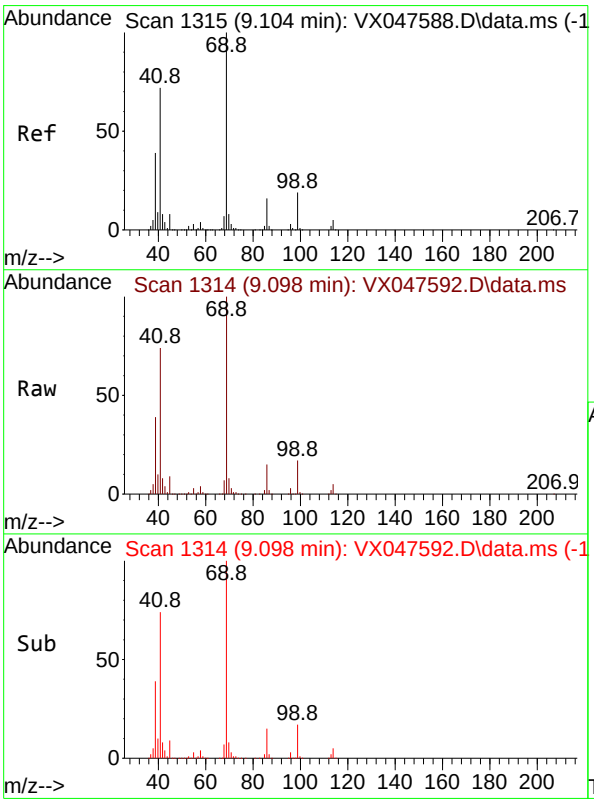

#55
1,1,2-Trichloroethane
Concen: 47.772 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 97 Resp: 112094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 87.9 | 69.6 | 104.4 |
| 85 | 56.4 | 45.0 | 67.6 |
| 99 | 65.7 | 49.6 | 74.4 |

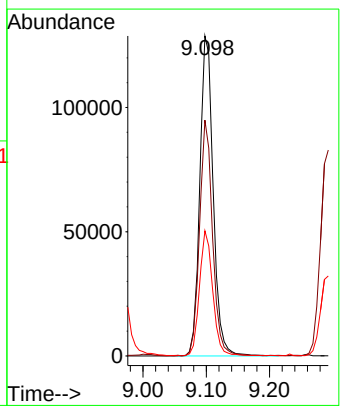


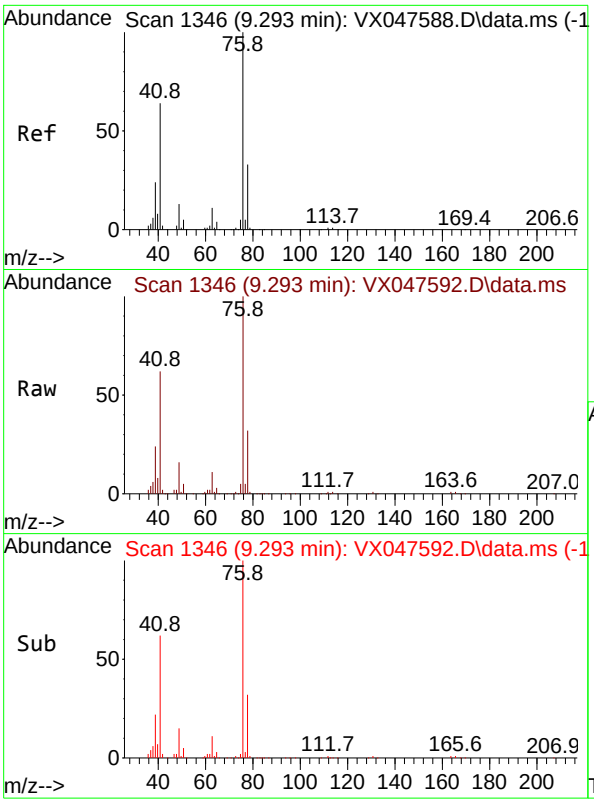




#56
Ethyl methacrylate
Concen: 51.490 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 69 Resp: 189741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.7 | 58.6 | 87.8 |
| 39 | 39.0 | 31.5 | 47.3 |



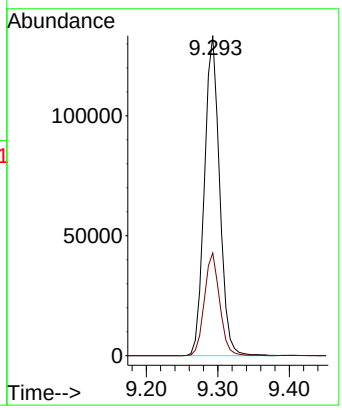


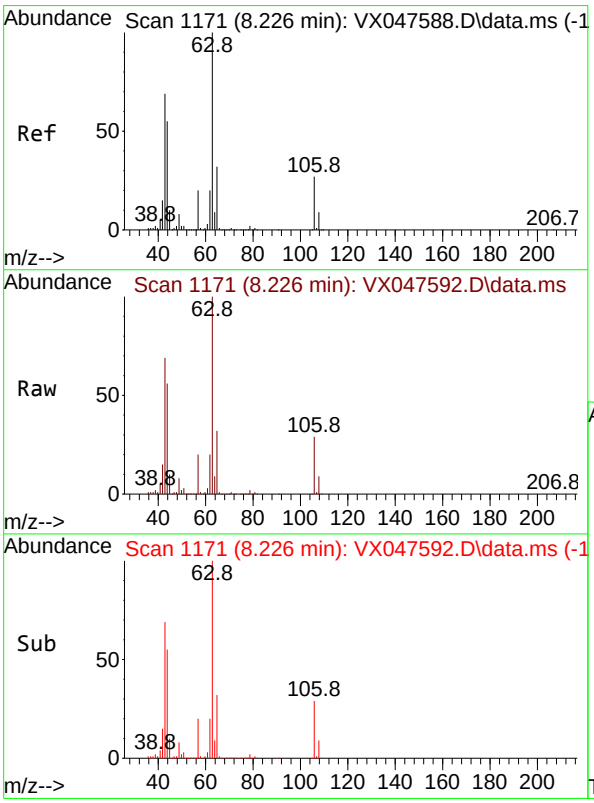

#57
1,3-Dichloropropane
Concen: 48.894 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 76 Resp: 197079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |

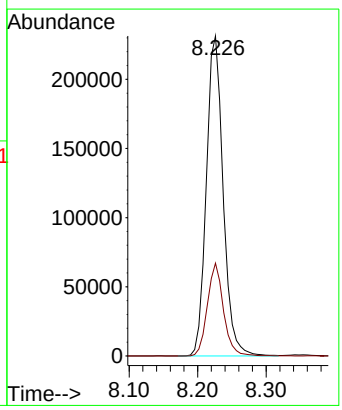


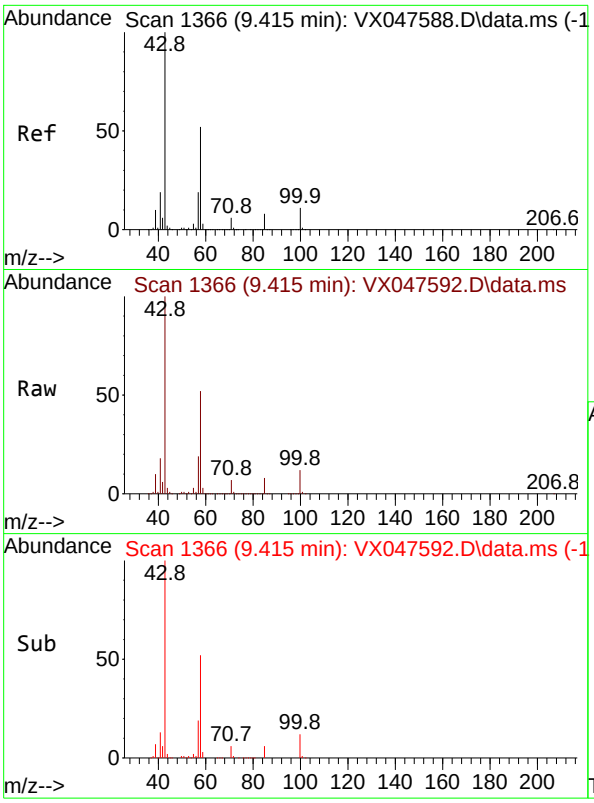




#58
2-Chloroethyl Vinyl ether
Concen: 225.562 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 63 Resp: 394205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.8 | 21.9 | 32.9 |



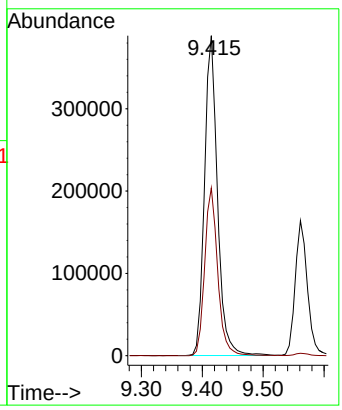


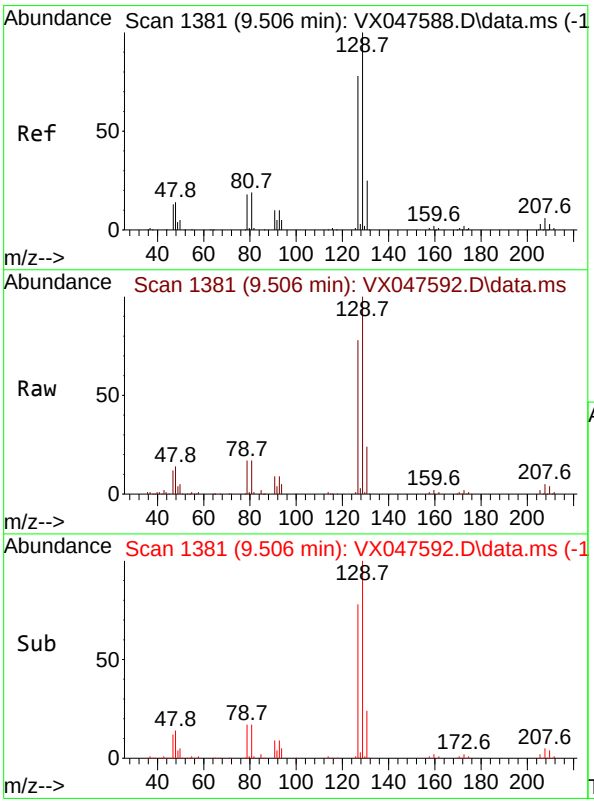

#59
2-Hexanone
Concen: 253.126 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 43 Resp: 575599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.6 | 26.1 | 78.2 |

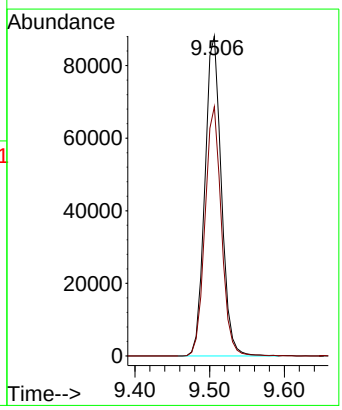


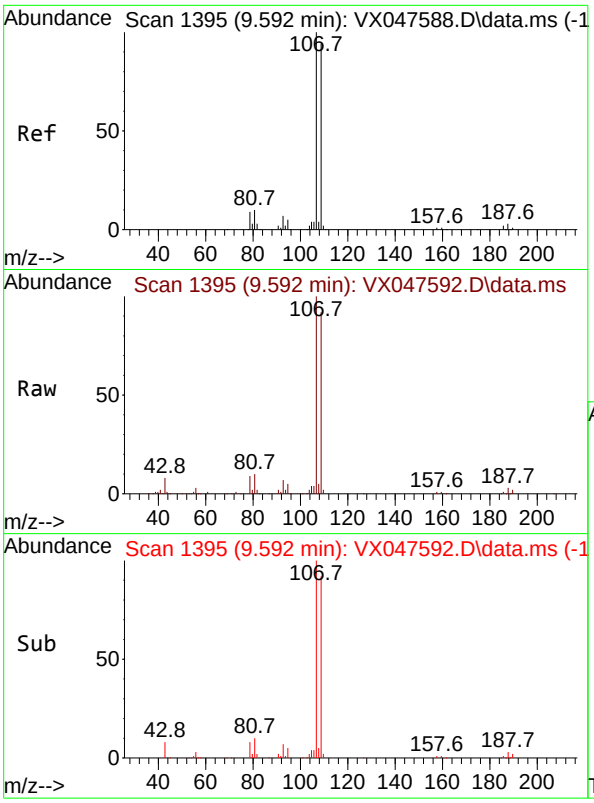




#60
Dibromochloromethane
Concen: 49.824 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:129 Resp: 134704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.8 | 38.4 | 115.2 |



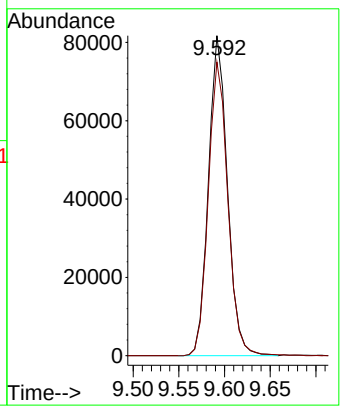


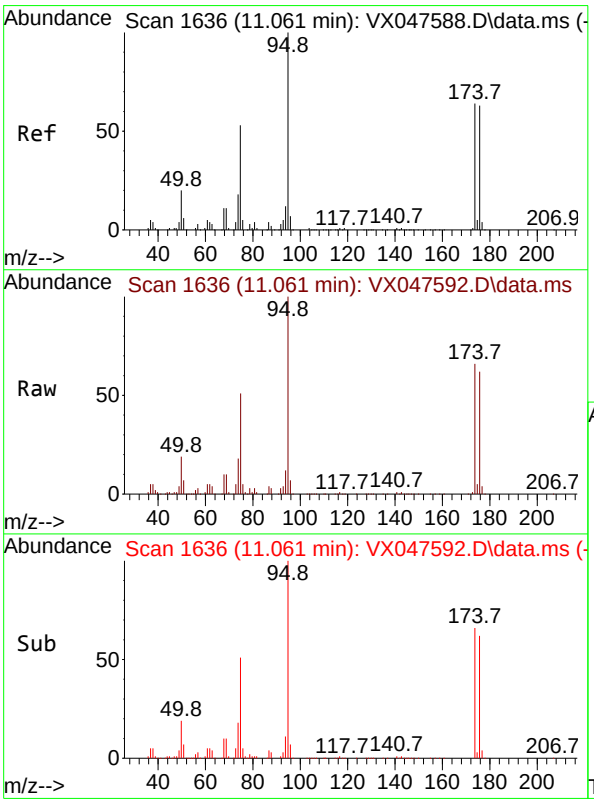

#61
1,2-Dibromoethane
Concen: 49.297 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:107 Resp: 117817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.6 | 75.3 | 112.9 |

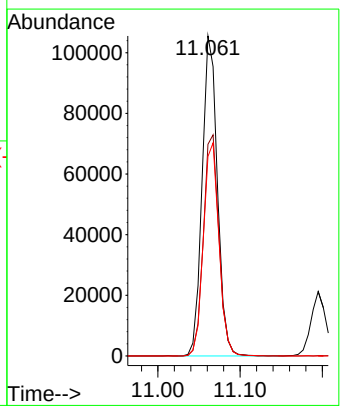


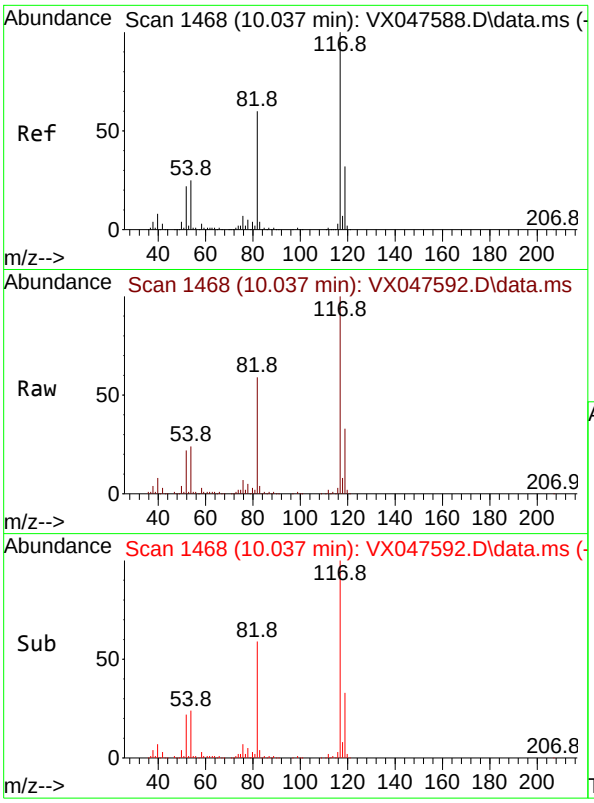




#62
4-Bromofluorobenzene
Concen: 46.520 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 95 Resp: 135957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.3 | 0.0 | 141.6 |
| 176 | 68.0 | 0.0 | 138.4 |



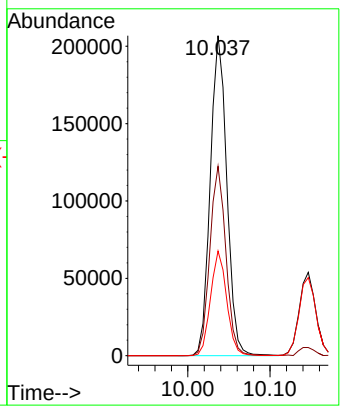


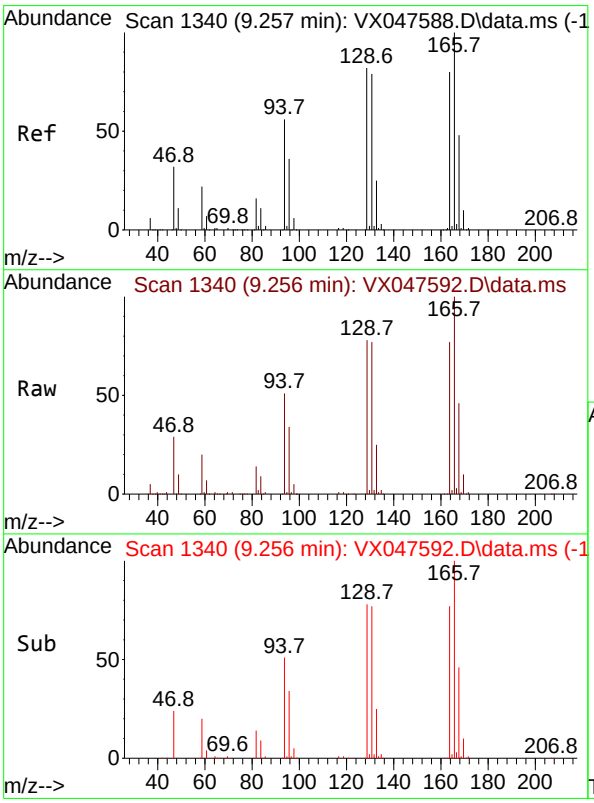

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:117 Resp: 288660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 59.2 | 47.8 | 71.6 |
| 119 | 32.7 | 25.2 | 37.8 |

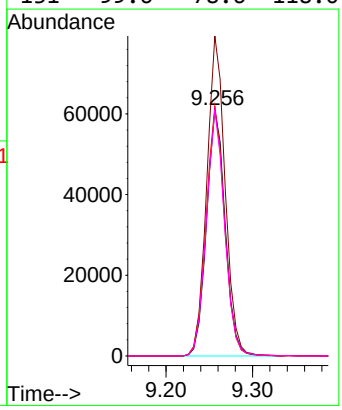


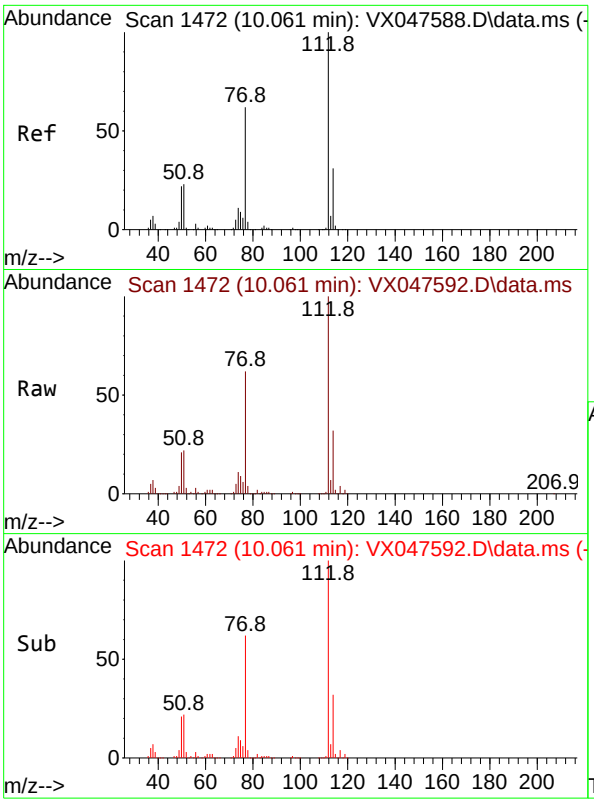




#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:164 Resp: 90881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.8 | 100.2 | 150.2 |
| 129 | 101.3 | 81.8 | 122.6 |
| 131 | 99.6 | 78.6 | 118.0 |



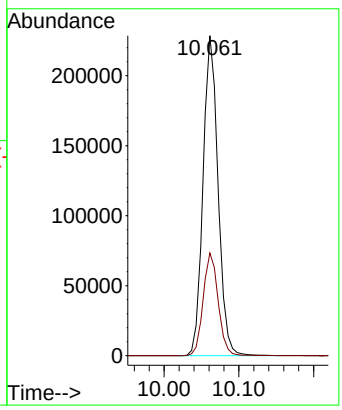


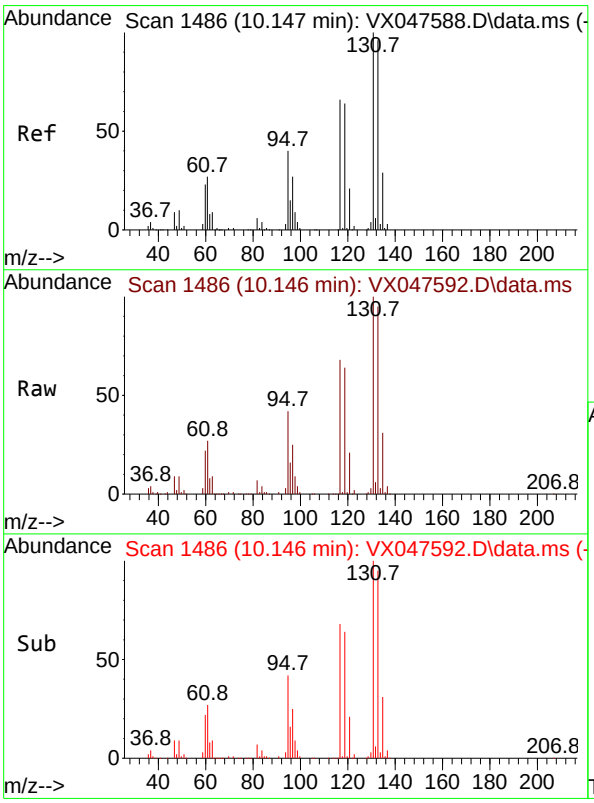

#65
Chlorobenzene
Concen: 48.549 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:112 Resp: 318372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.1 | 25.1 | 37.7 |

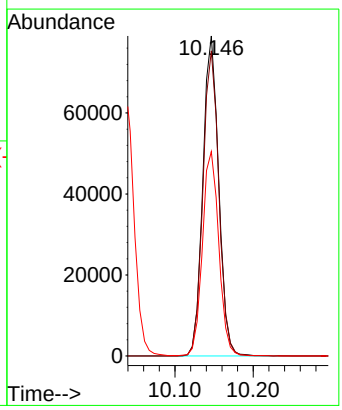


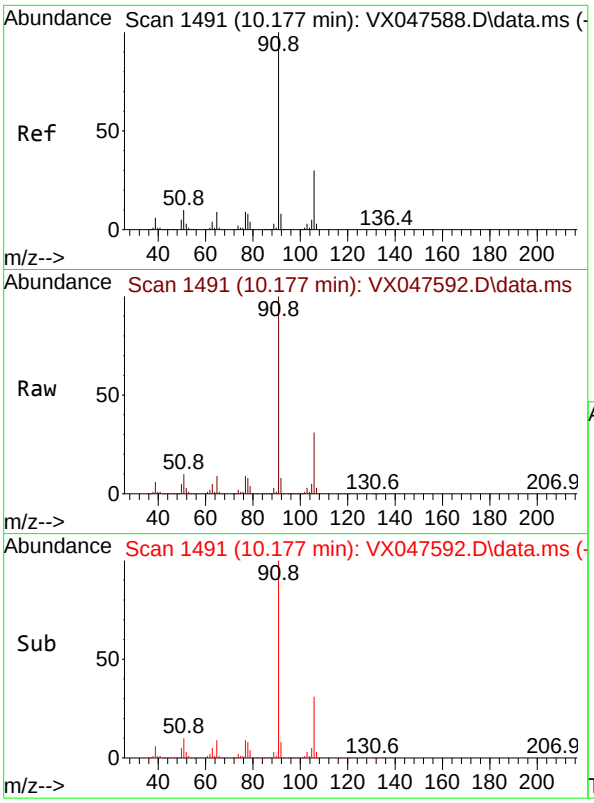




#66
1,1,1,2-Tetrachloroethane
Concen: 48.794 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:131 Resp: 110416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 142.0 |
| 119 | 66.3 | 32.0 | 96.0 |



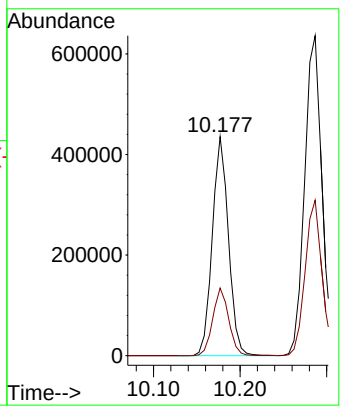


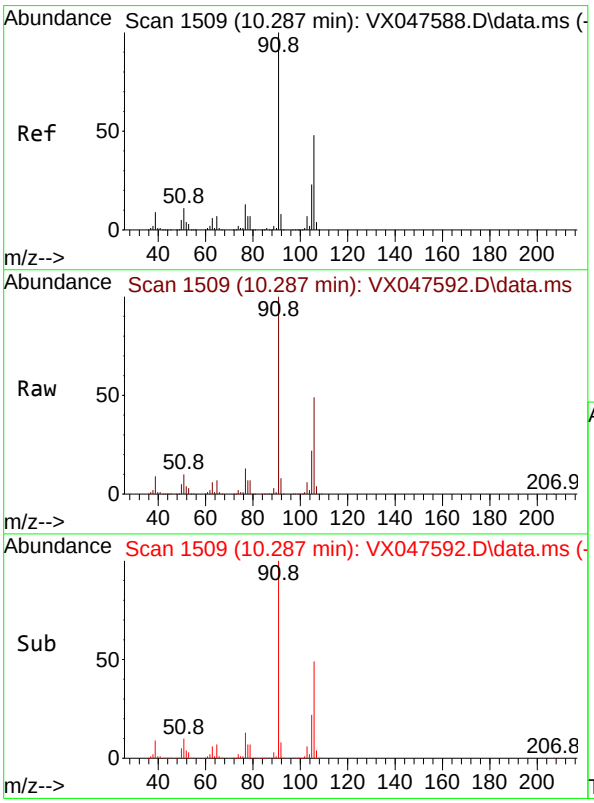

#67
Ethyl Benzene
Concen: 49.813 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 91 Resp: 563634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.9 | 24.3 | 36.5 |

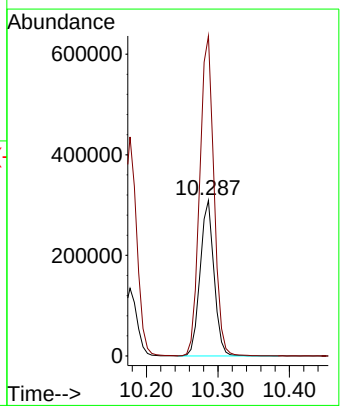


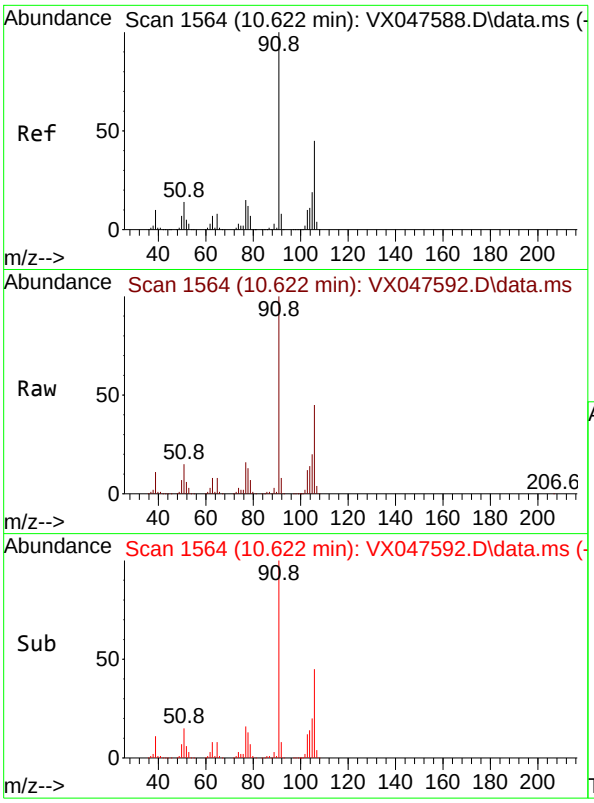




#68
m/p-Xylenes
Concen: 98.956 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:106 Resp: 416757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 211.1 | 167.8 | 251.8 |



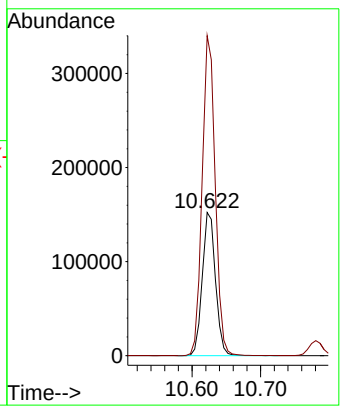


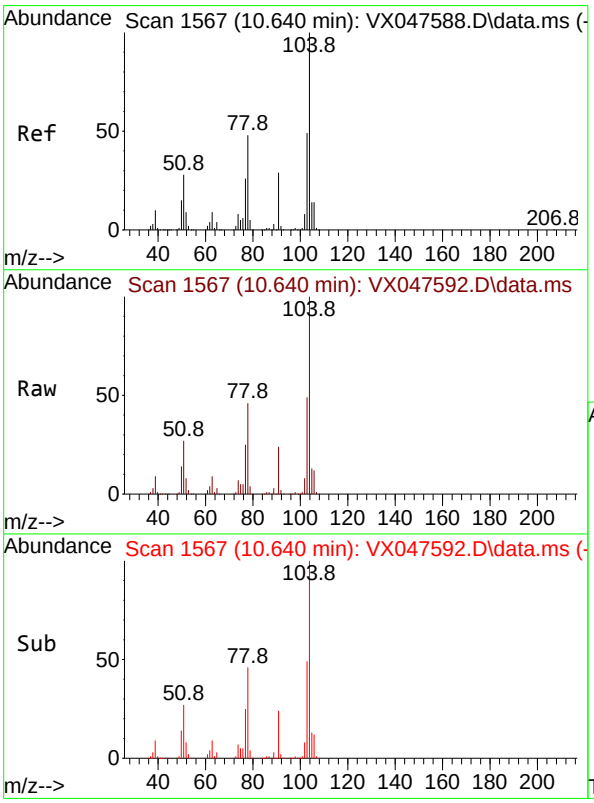

#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:106 Resp: 204323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.0 | 111.1 | 333.4 |

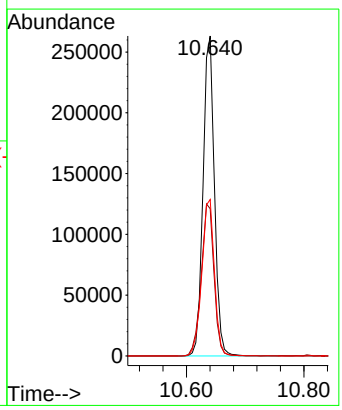


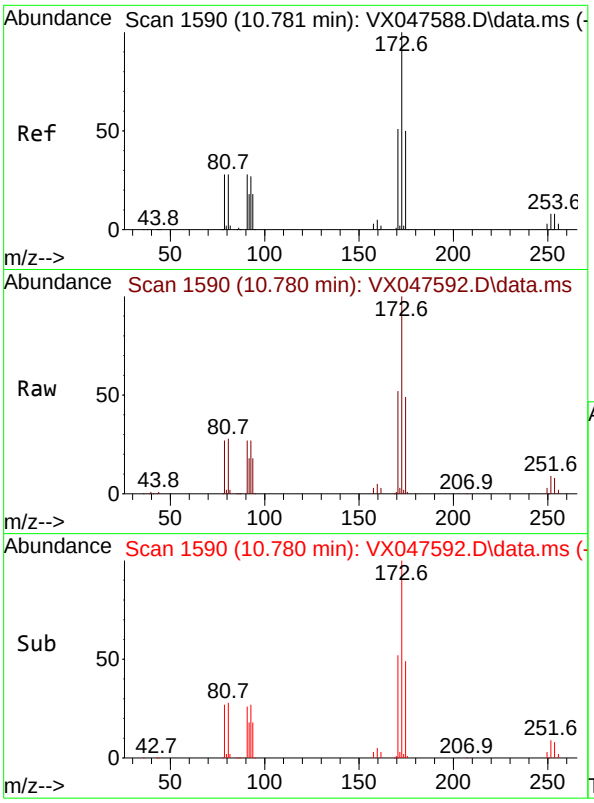




#70
Styrene
Concen: 49.536 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:104 Resp: 353567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.4 | 43.1 | 64.7 |
| 103 | 54.3 | 43.1 | 64.7 |



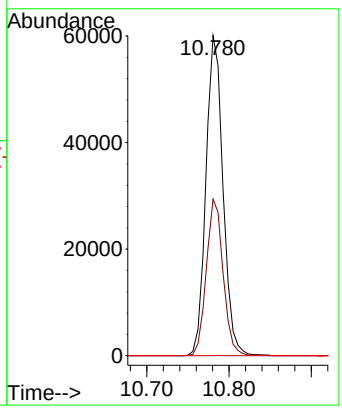


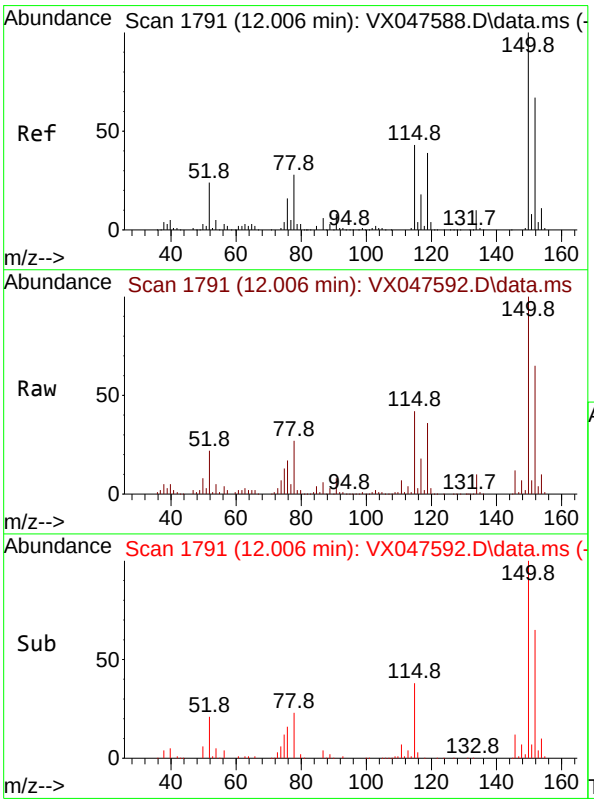

#71
Bromoform
Concen: 51.207 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:173 Resp: 86524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.2 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

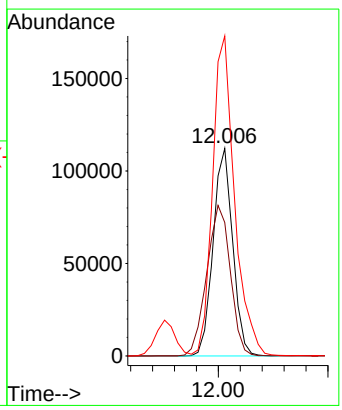


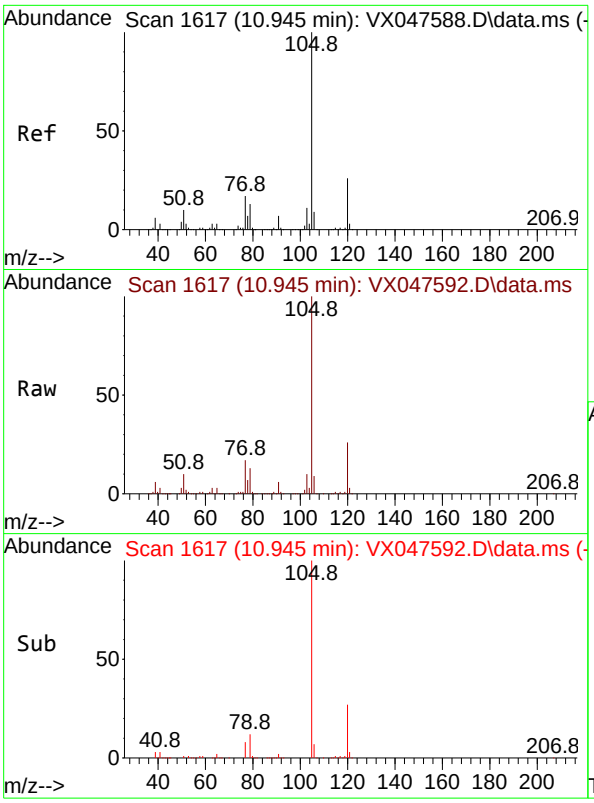




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:152 Resp: 139252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 87.5 | 44.9 | 134.5 |
| 150 | 173.5 | 0.0 | 352.0 |



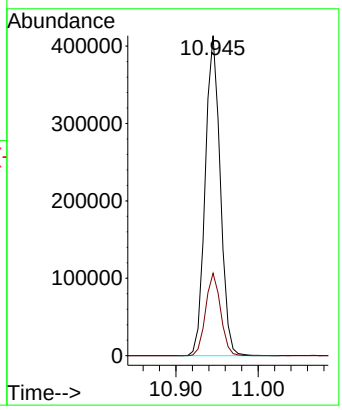


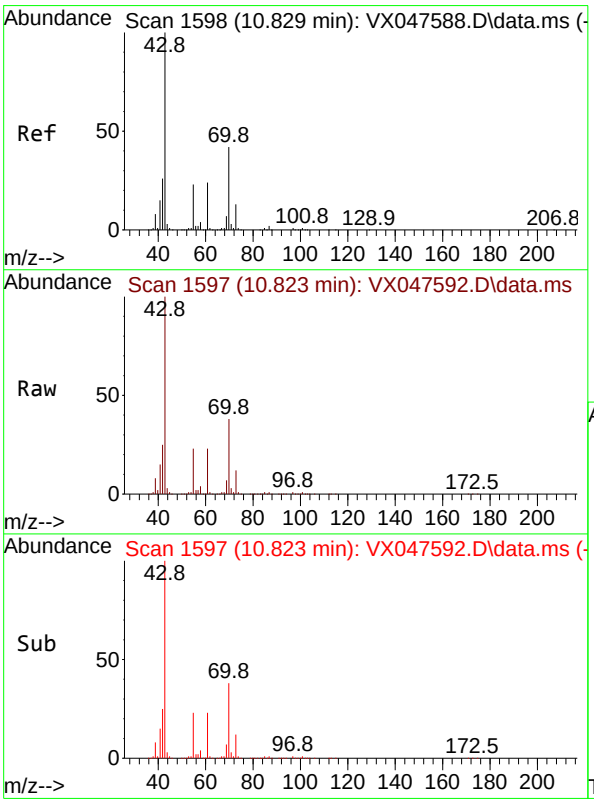

#73
Isopropylbenzene
Concen: 49.479 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:105 Resp: 523826

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |

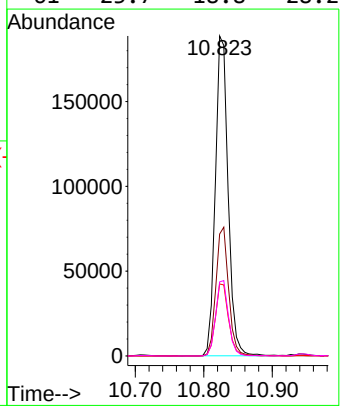


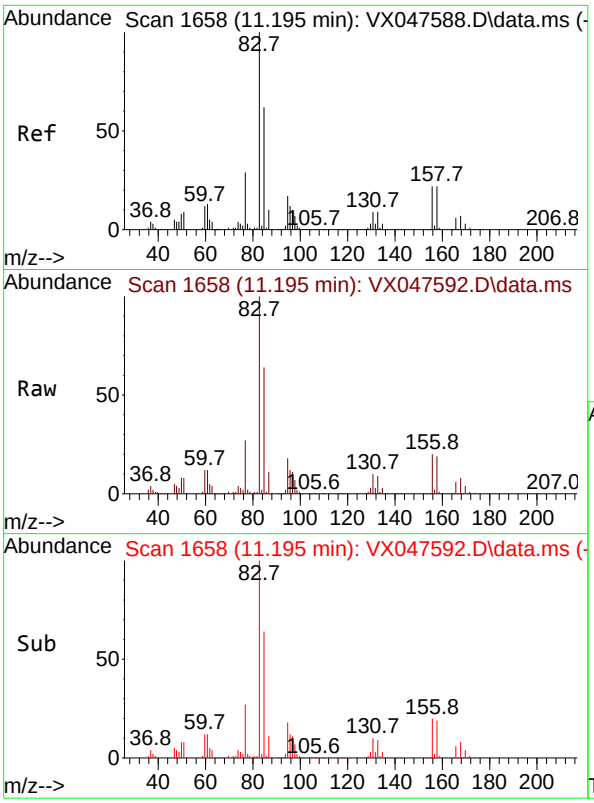




#74
N-amyl acetate
Concen: 50.375 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 43 Resp: 243198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.2 | 32.0 | 48.0 |
| 55 | 23.2 | 18.9 | 28.3 |
| 61 | 23.7 | 18.8 | 28.2 |



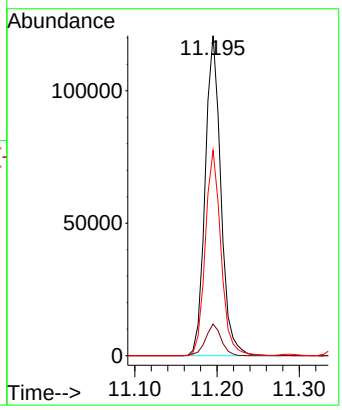


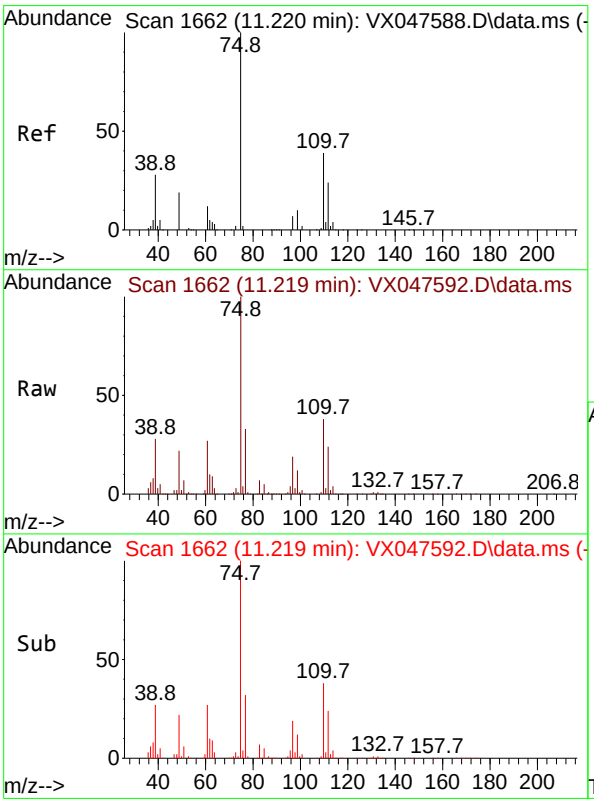

#75
1,1,2,2-Tetrachloroethane
Concen: 49.851 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 83 Resp: 159676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 64.2 | 31.6 | 95.0 |

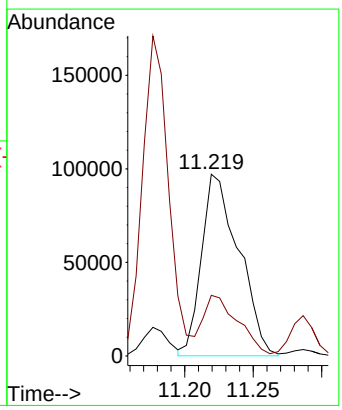


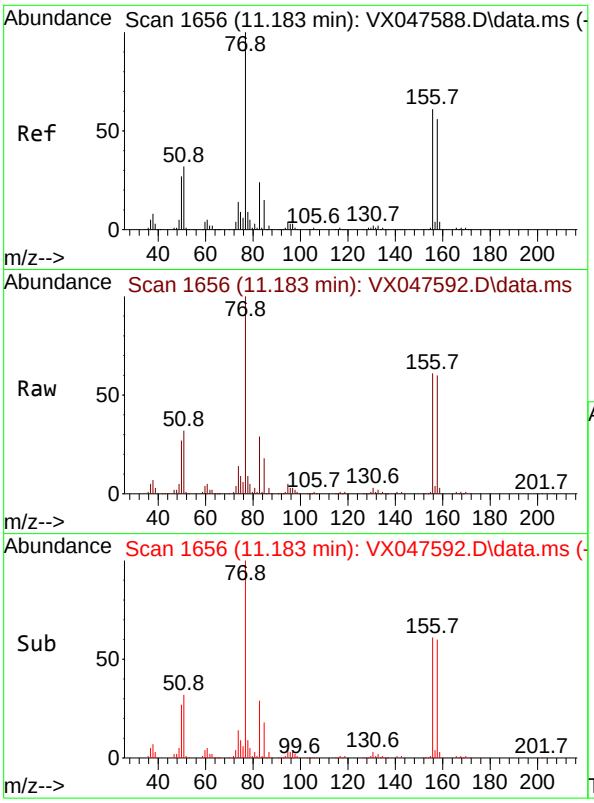




#76
1,2,3-Trichloropropane
Concen: 65.262 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 184000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.9 | 18.8 | 56.4 |



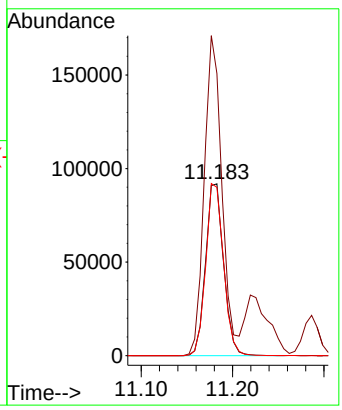


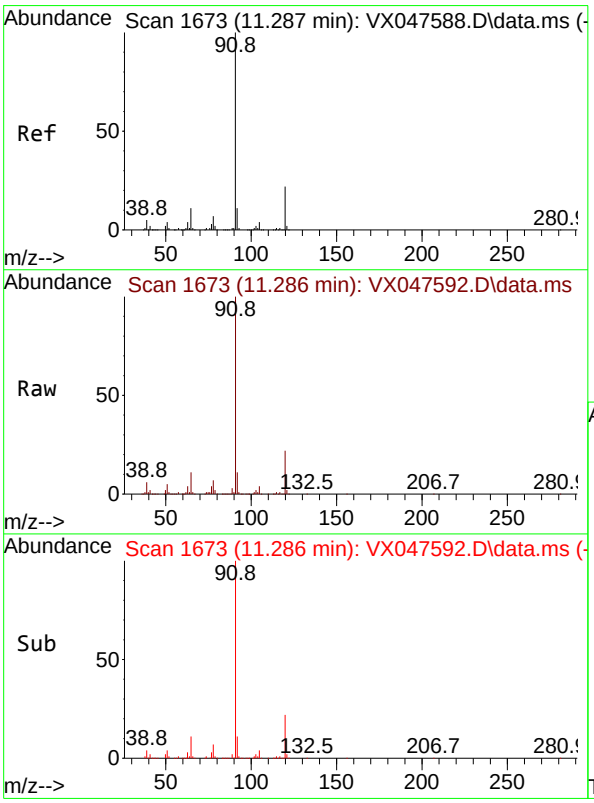

#77
Bromobenzene
Concen: 48.173 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:156 Resp: 125610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 182.2 | 89.7 | 269.1 |
| 158 | 99.0 | 47.9 | 143.6 |

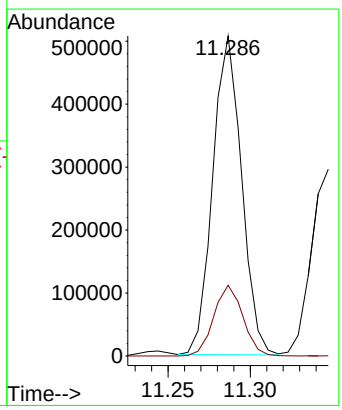


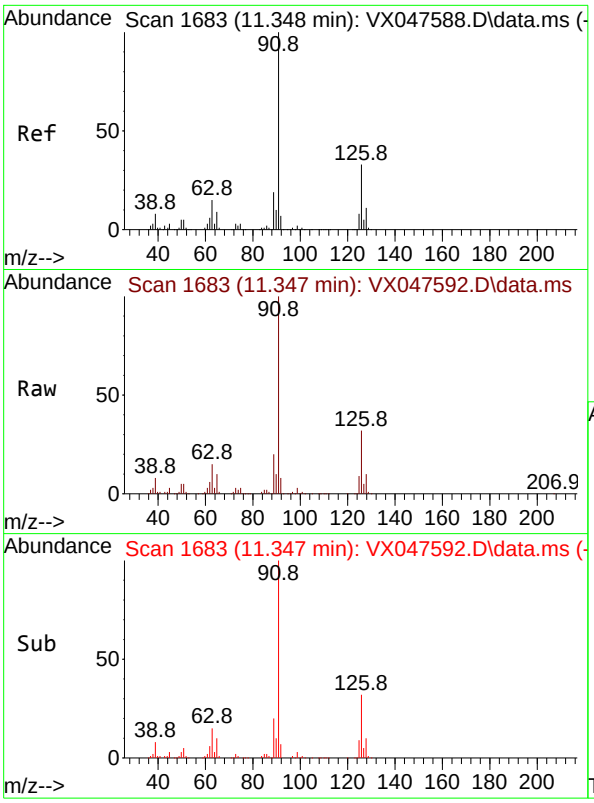




#78
n-propylbenzene
Concen: 49.295 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 616928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |



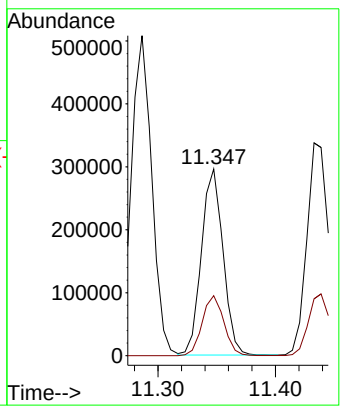


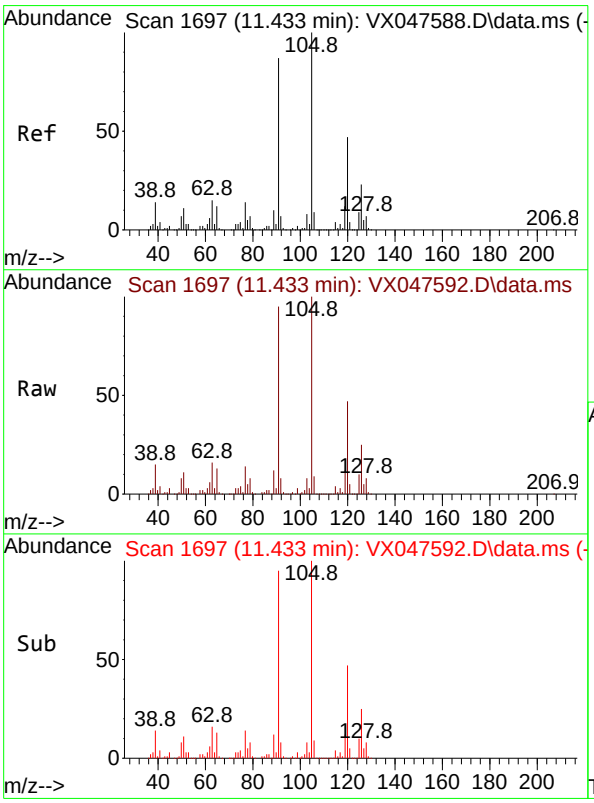

#79
2-Chlorotoluene
Concen: 49.117 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 91 Resp: 376486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.4 | 16.1 | 48.3 |

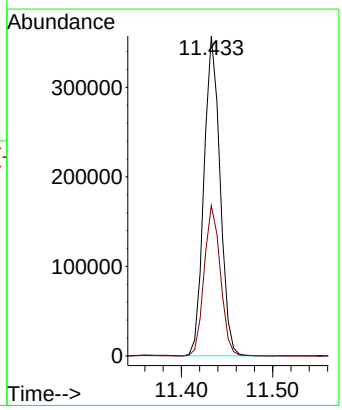


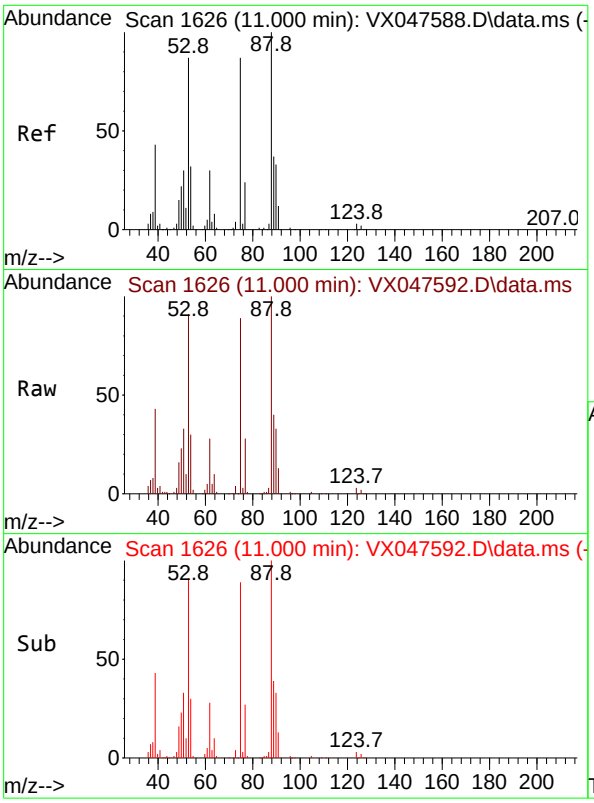




#80
1,3,5-Trimethylbenzene
Concen: 50.055 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 435375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 23.6 | 70.8 |



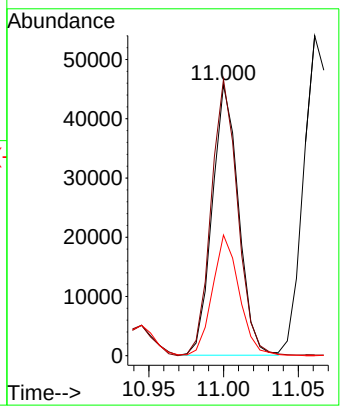


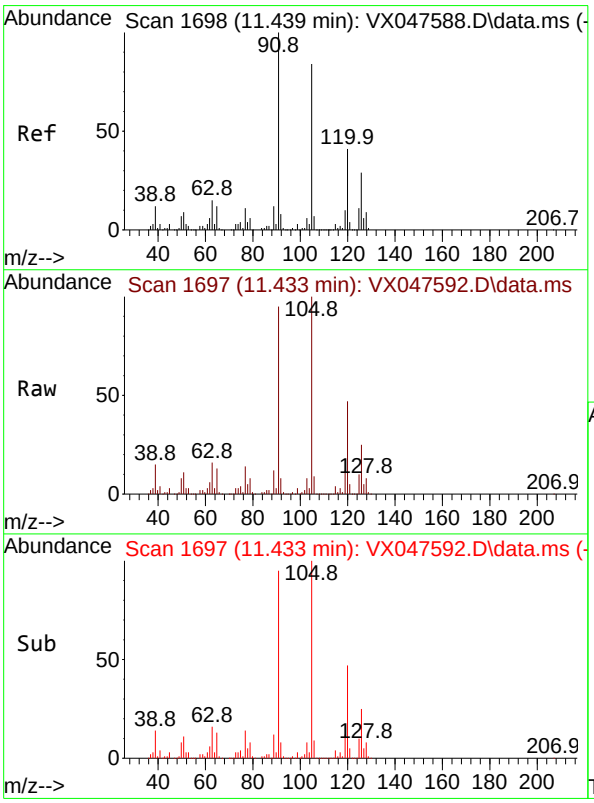

#81
trans-1,4-Dichloro-2-butene
Concen: 50.543 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 75 Resp: 55880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.4 | 83.4 | 125.2 |
| 89 | 45.4 | 36.3 | 54.5 |

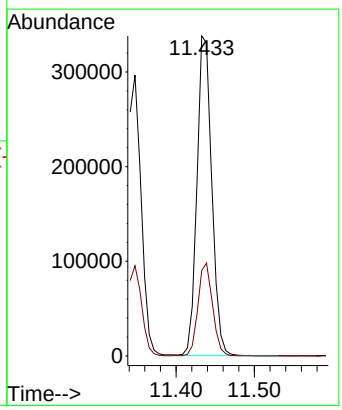


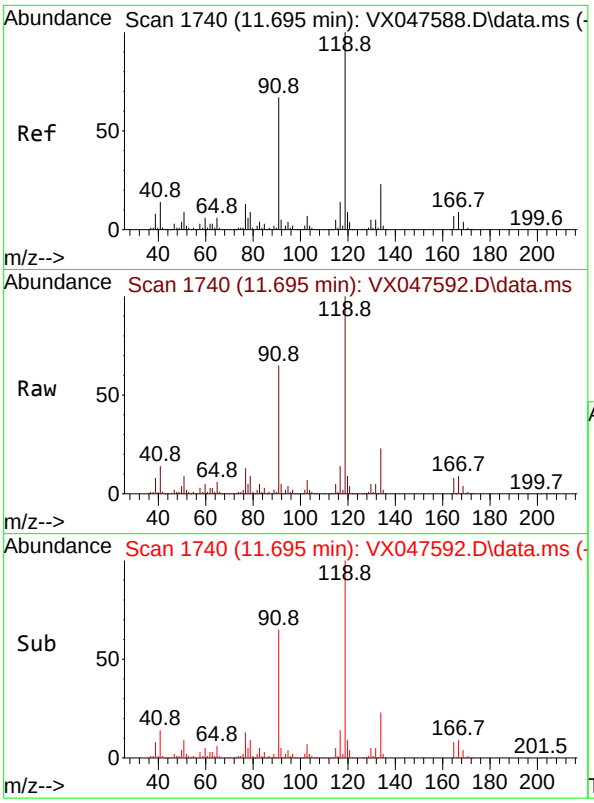




#82
4-Chlorotoluene
Concen: 49.164 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 91 Resp: 445075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.6 | 14.2 | 42.6 |



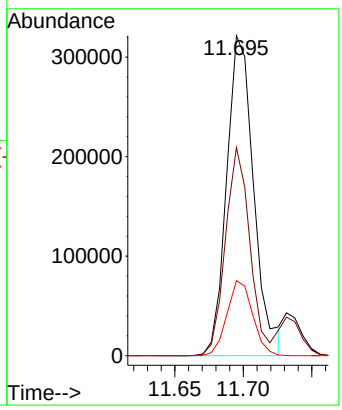


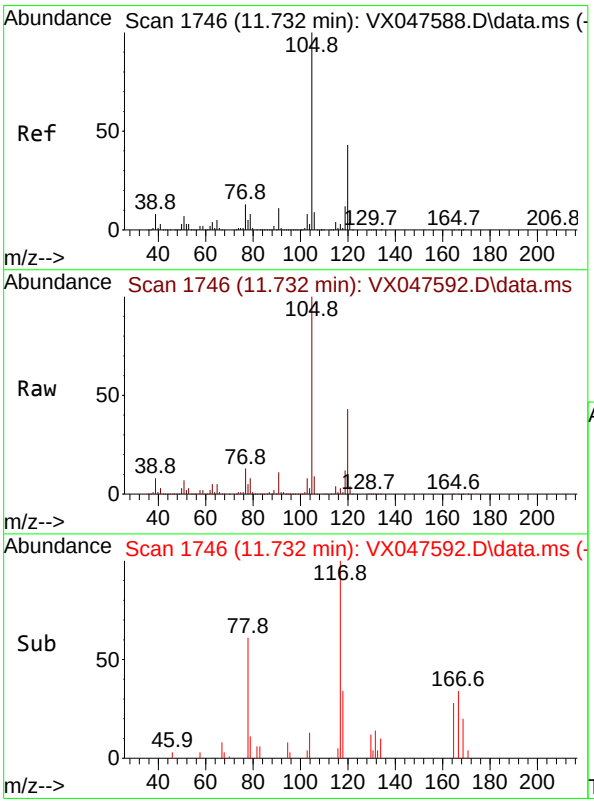

#83
tert-Butylbenzene
Concen: 49.679 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:119 Resp: 442341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.7 | 29.6 | 88.8 |
| 134 | 22.3 | 11.0 | 33.0 |

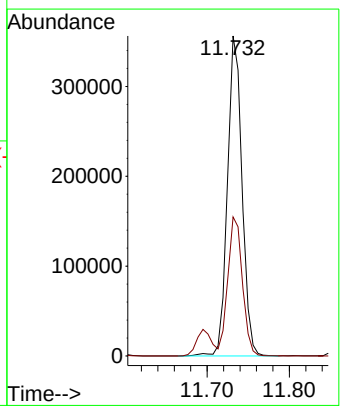


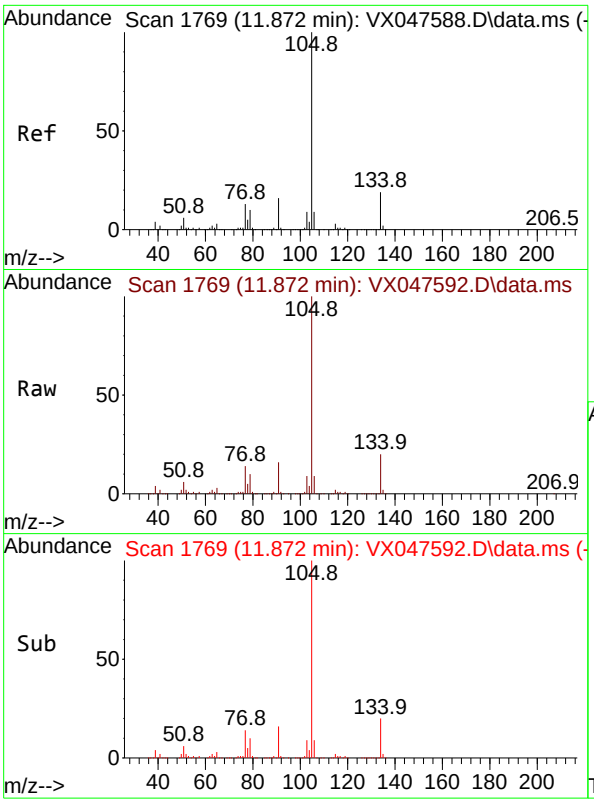




#84
1,2,4-Trimethylbenzene
Concen: 49.911 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:105 Resp: 440134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.5 | 22.1 | 66.1 |



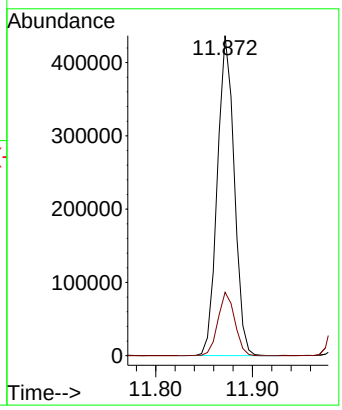


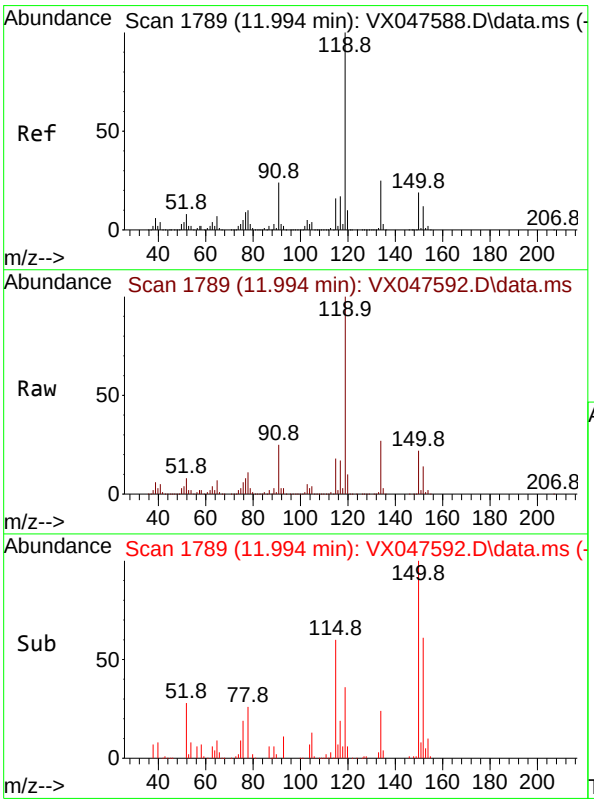

#85
sec-Butylbenzene
Concen: 50.100 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:105 Resp: 529869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

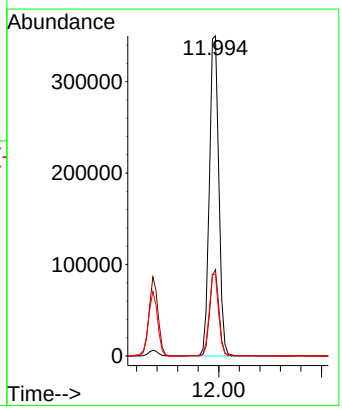


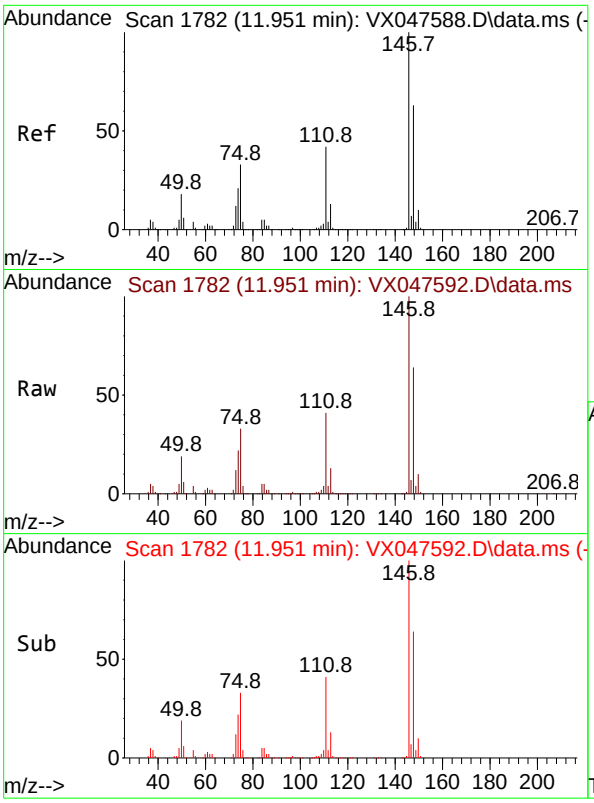




#86
p-Isopropyltoluene
Concen: 49.861 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:119 Resp: 446441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 25.4 | 12.6 | 37.6 |



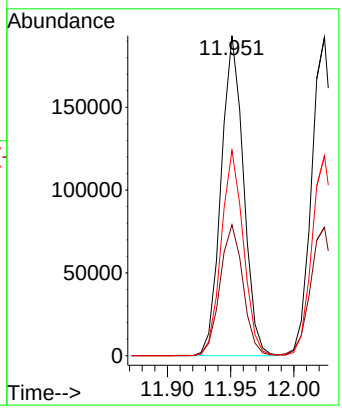


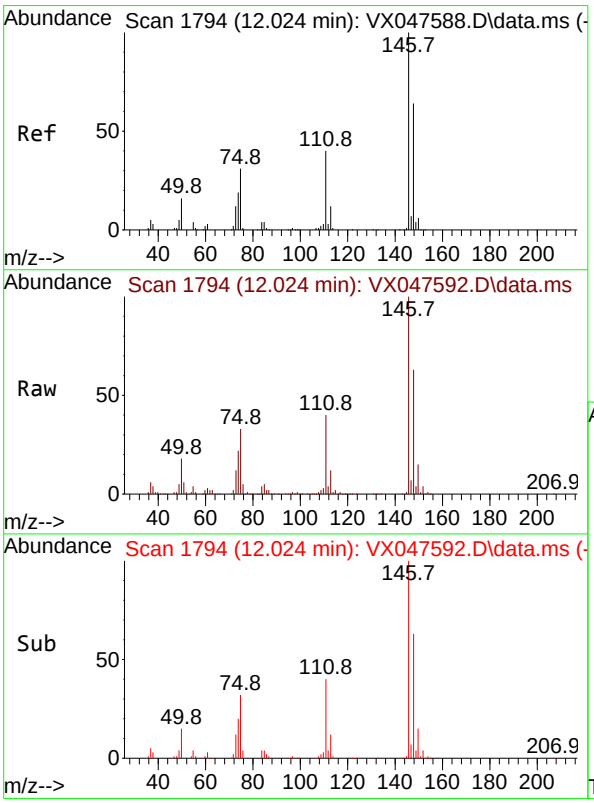

#87
1,3-Dichlorobenzene
Concen: 49.014 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:146 Resp: 237383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.1 | 21.5 | 64.5 |
| 148 | 63.5 | 32.0 | 96.0 |

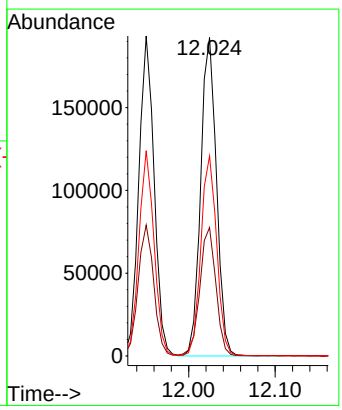


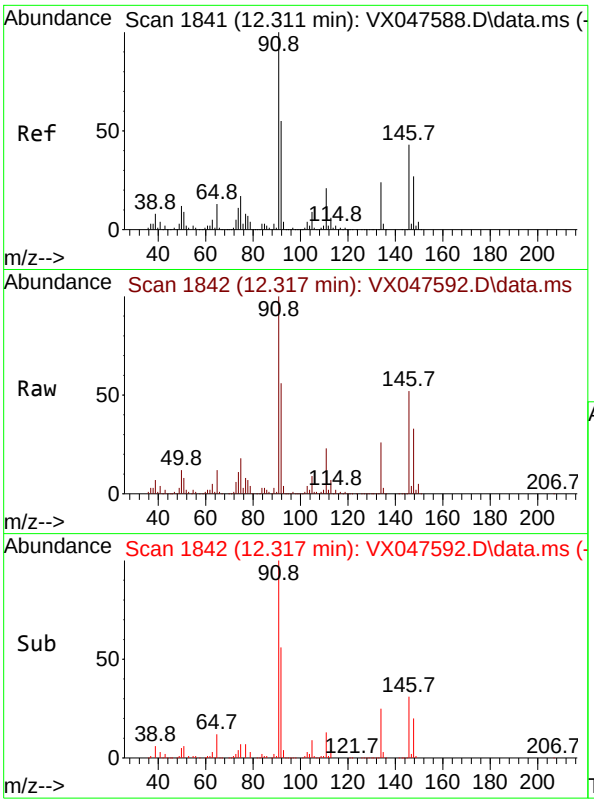




#88
1,4-Dichlorobenzene
Concen: 49.011 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:146 Resp: 243618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.0 | 20.8 | 62.4 |
| 148 | 62.7 | 31.7 | 95.1 |



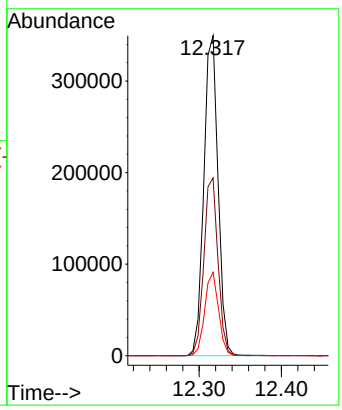


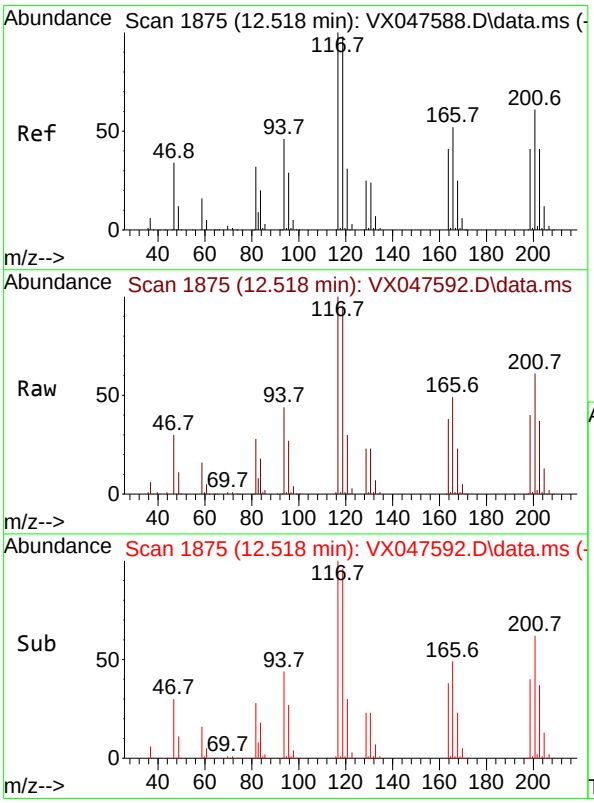

#89
n-Butylbenzene
Concen: 50.752 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion: 91 Resp: 420478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 55.2 | 27.6 | 82.7 |
| 134 | 25.3 | 12.6 | 37.8 |

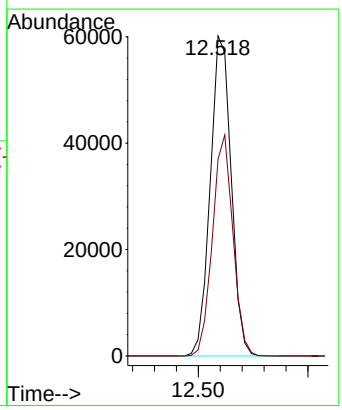


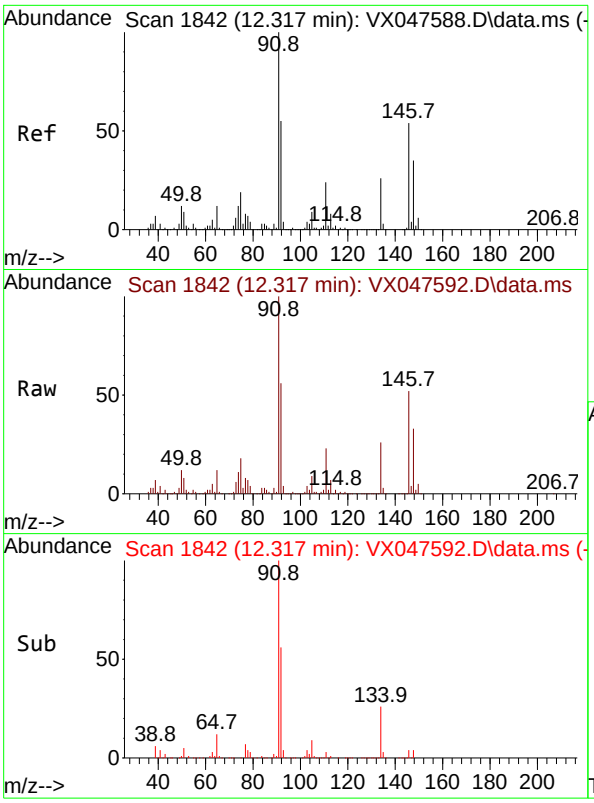




#90
Hexachloroethane
Concen: 50.732 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:117 Resp: 79751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 34.2 | 102.5 |



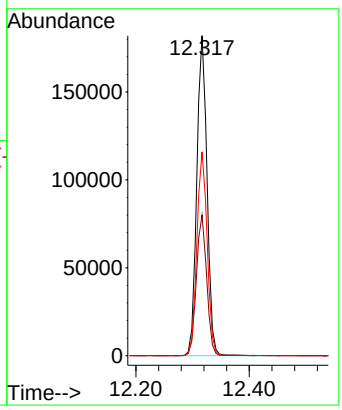


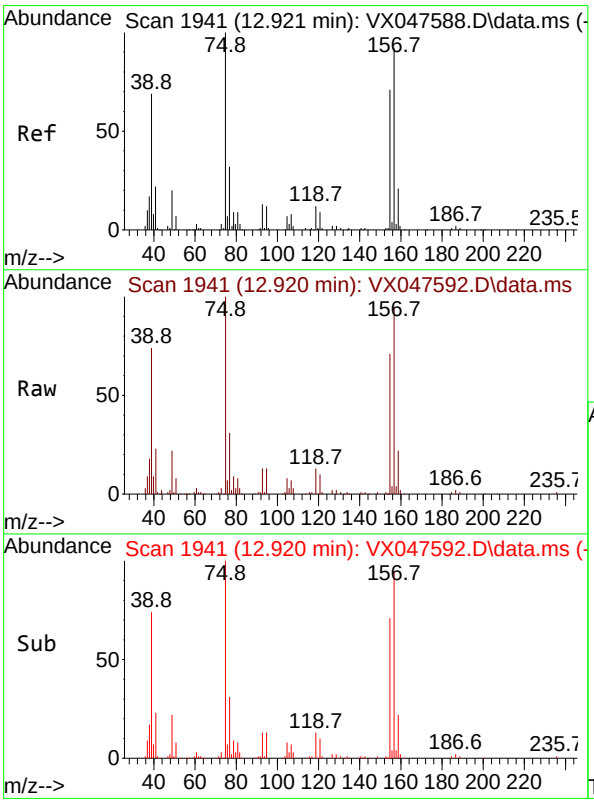

#91
1,2-Dichlorobenzene
Concen: 49.304 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:146 Resp: 227493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.2 | 22.2 | 66.6 |
| 148 | 64.1 | 31.8 | 95.4 |

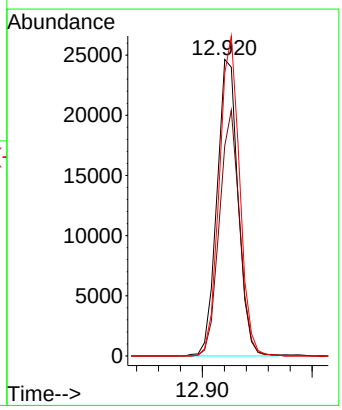


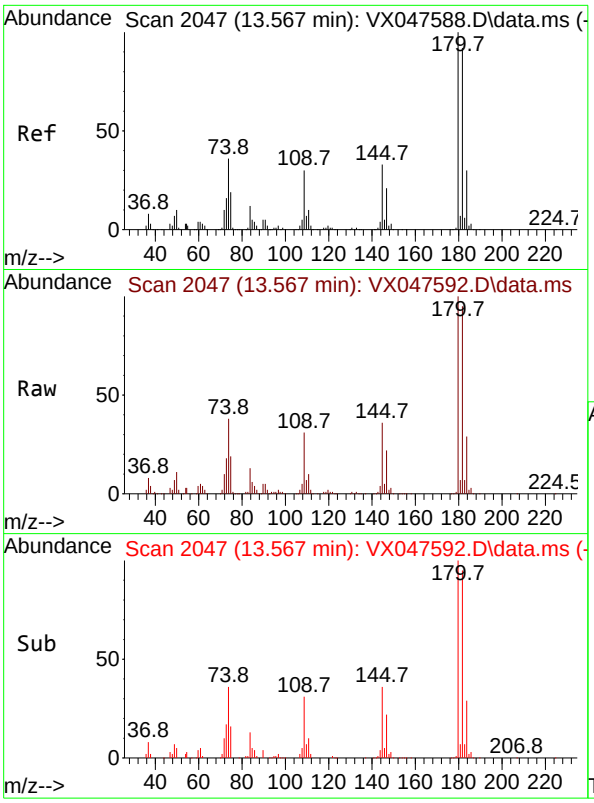




#92
1,2-Dibromo-3-Chloropropane
Concen: 50.918 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion: 75 Resp: 33020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.1 | 37.7 | 113.1 |
| 157 | 103.2 | 49.8 | 149.4 |



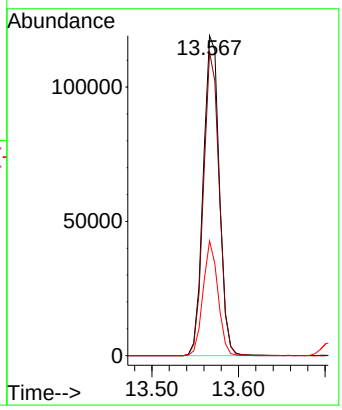


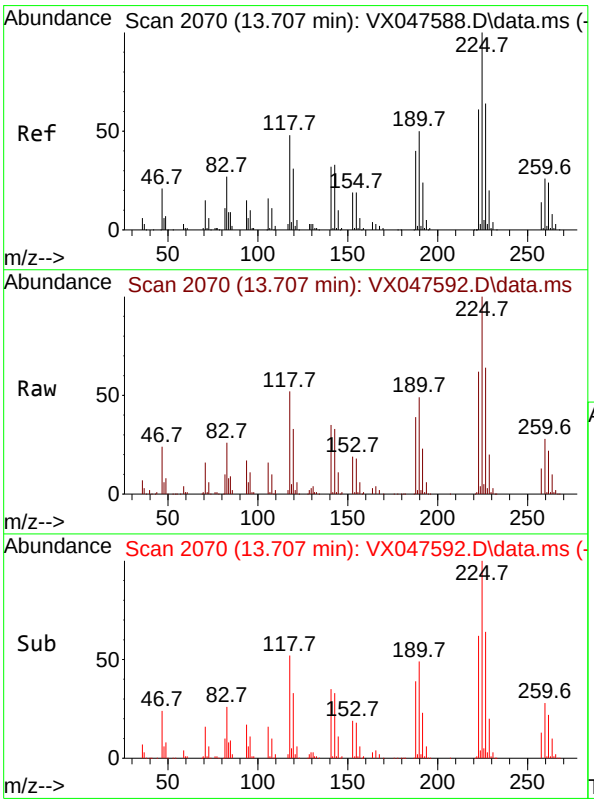

#93
1,2,4-Trichlorobenzene
Concen: 51.133 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:180 Resp: 153333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 46.6 | 139.8 |
| 145 | 33.3 | 16.4 | 49.1 |

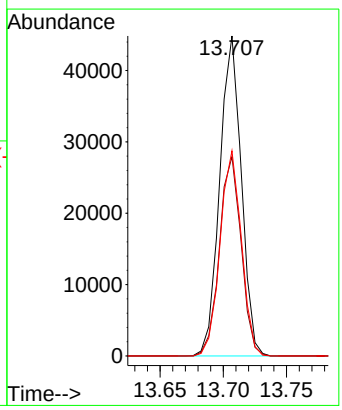


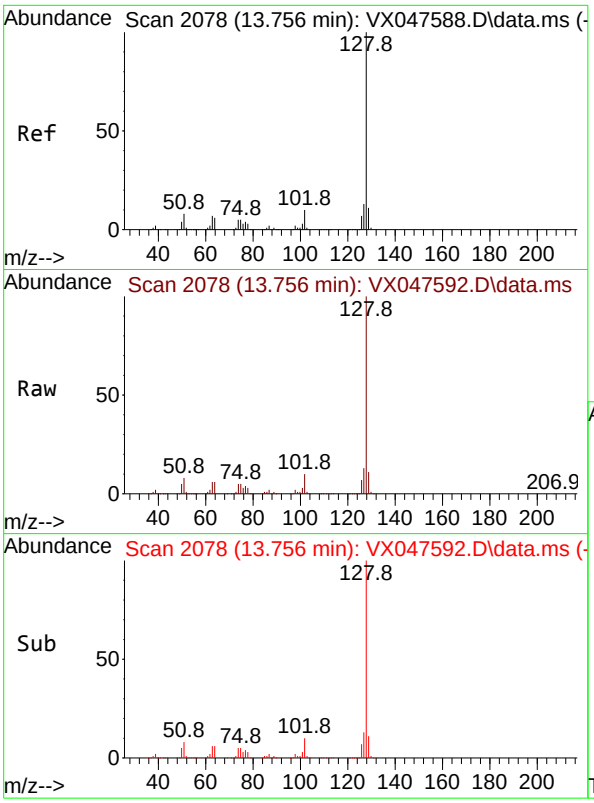




#94
Hexachlorobutadiene
Concen: 52.131 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:225 Resp: 53099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.6 | 31.7 | 95.1 |
| 227 | 63.3 | 32.0 | 96.0 |



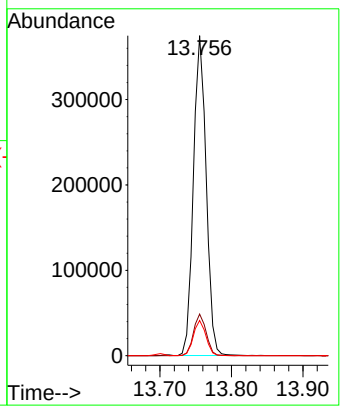


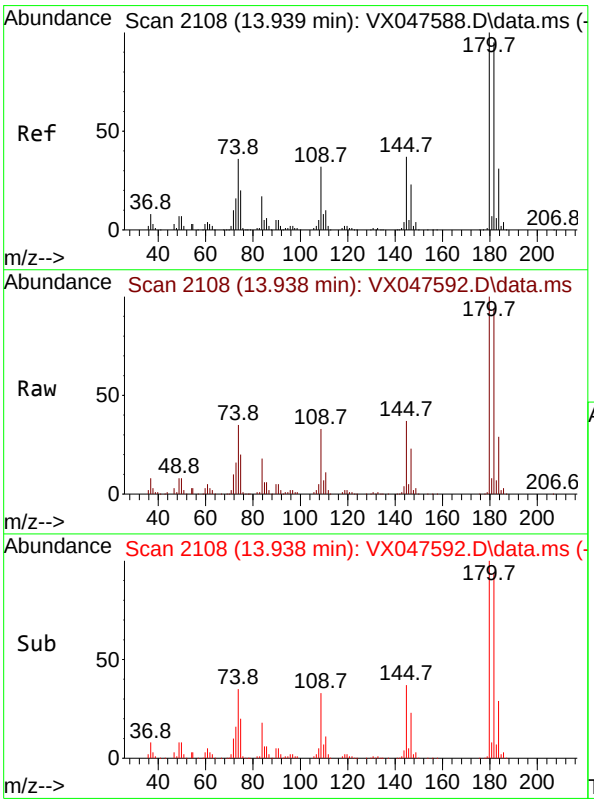

#95
Naphthalene
Concen: 50.836 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX091625

Tgt Ion:128 Resp: 464206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |

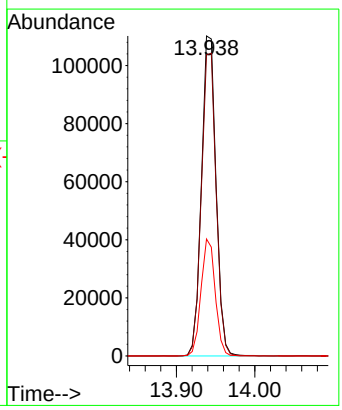



#96
1,2,3-Trichlorobenzene
Concen: 51.054 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047592.D
Acq: 16 Sep 2025 13:35

Tgt Ion:180 Resp: 142413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.5 | 47.6 | 142.8 |
| 145 | 35.6 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.531 | 168 | 145672 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 265022 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 235703 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 115061 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 118904 | 51.280 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 102.560% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 93243 | 52.461 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 104.920% | | | |
| 50) Toluene-d8 | 8.628 | 98 | 318085 | 51.720 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 103.440% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 121543 | 52.073 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 95620 | 63.389 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 117705 | 59.371 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 117260 | 60.422 | ug/l | 100 |
| 5) Bromomethane | 1.617 | 94 | 77247 | 62.771 | ug/l | 97 |
| 6) Chloroethane | 1.697 | 64 | 74922 | 57.762 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 160825 | 55.813 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 67493 | 57.259 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 94692 | 56.200 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 152554 | 58.055 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 63172 | 244.621 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 98672 | 57.012 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 67336 | 282.952 | ug/l | 97 |
| 14) Allyl chloride | 2.666 | 41 | 195439 | 54.723 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 275014 | 287.505 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 282461 | 280.166 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 276670 | 58.393 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 127158 | 56.673 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 357198 | 56.537 | ug/l | 99 |
| 20) Methylene Chloride | 2.788 | 84 | 121247 | 56.815 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 107940 | 57.928 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 393344 | 56.829 | ug/l | 100 |
| 23) Vinyl Acetate | 3.709 | 43 | 1605465 | 289.816 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 207990 | 56.537 | ug/l | 99 |
| 25) 2-Butanone | 4.532 | 43 | 347300 | 276.163 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 167410 | 54.744 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.471 | 96 | 131508 | 57.629 | ug/l | 98 |
| 28) Bromochloromethane | 4.879 | 49 | 89169 | 55.520 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.983 | 42 | 207795 | 274.666 | ug/l | 99 |
| 30) Chloroform | 5.074 | 83 | 210287 | 56.566 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 166413 | 54.312 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 176453 | 55.958 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 136661 | 52.619 | ug/l | 98 |
| 37) Ethyl Acetate | 4.696 | 43 | 148064 | 53.244 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 148597 | 52.659 | ug/l | 96 |
| 39) Methylcyclohexane | 7.360 | 83 | 158624 | 53.805 | ug/l | 99 |
| 40) Benzene | 6.019 | 78 | 436446 | 55.328 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.897 | 41 | 78988 | 55.020 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 160490 | 53.472 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.318 | 43 | 246709 | 54.094 | ug/l | | 100 |
| 44) Trichloroethene | 7.104 | 130 | 106747 | 55.974 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 112815 | 55.852 | ug/l | | 100 |
| 46) Dibromomethane | 7.562 | 93 | 81231 | 55.264 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.805 | 83 | 168096 | 55.419 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.671 | 41 | 121390 | 53.434 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.641 | 88 | 28790 | 1254.001 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 695707 | 275.127 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 269293 | 55.411 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 174332 | 56.347 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 186621 | 56.434 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 104009 | 55.502 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 167018 | 56.751 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 182551 | 56.707 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 389211 | 274.956 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 495514 | 272.845 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 123071 | 56.997 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 108549 | 56.870 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 83230 | 54.167 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 293695 | 54.848 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 103750 | 56.149 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 506854 | 54.859 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 380464 | 110.636 | ug/l | | 99 |
| 69) o-Xylene | 10.622 | 106 | 186157 | 55.967 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 325724 | 55.888 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 78229 | 56.699 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 468503 | 53.558 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 216957 | 54.388 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 144143 | 54.463 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 162179 | 69.616 | ug/l | | 88 |
| 77) Bromobenzene | 11.183 | 156 | 118485 | 54.994 | ug/l | | 96 |
| 78) n-propylbenzene | 11.286 | 91 | 557613 | 53.923 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 337904 | 53.352 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 387138 | 53.867 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 48023 | 52.569 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.433 | 91 | 396717 | 53.035 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 390632 | 53.095 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 394502 | 54.142 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 468381 | 53.598 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 395524 | 53.461 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 217150 | 54.263 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 217807 | 53.031 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 364819 | 53.292 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 70085 | 53.956 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 210035 | 55.091 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 27679 | 51.656 | ug/l | | 92 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 132366 | 53.421 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 44561 | 52.946 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 405500 | 53.744 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 126908 | 55.060 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

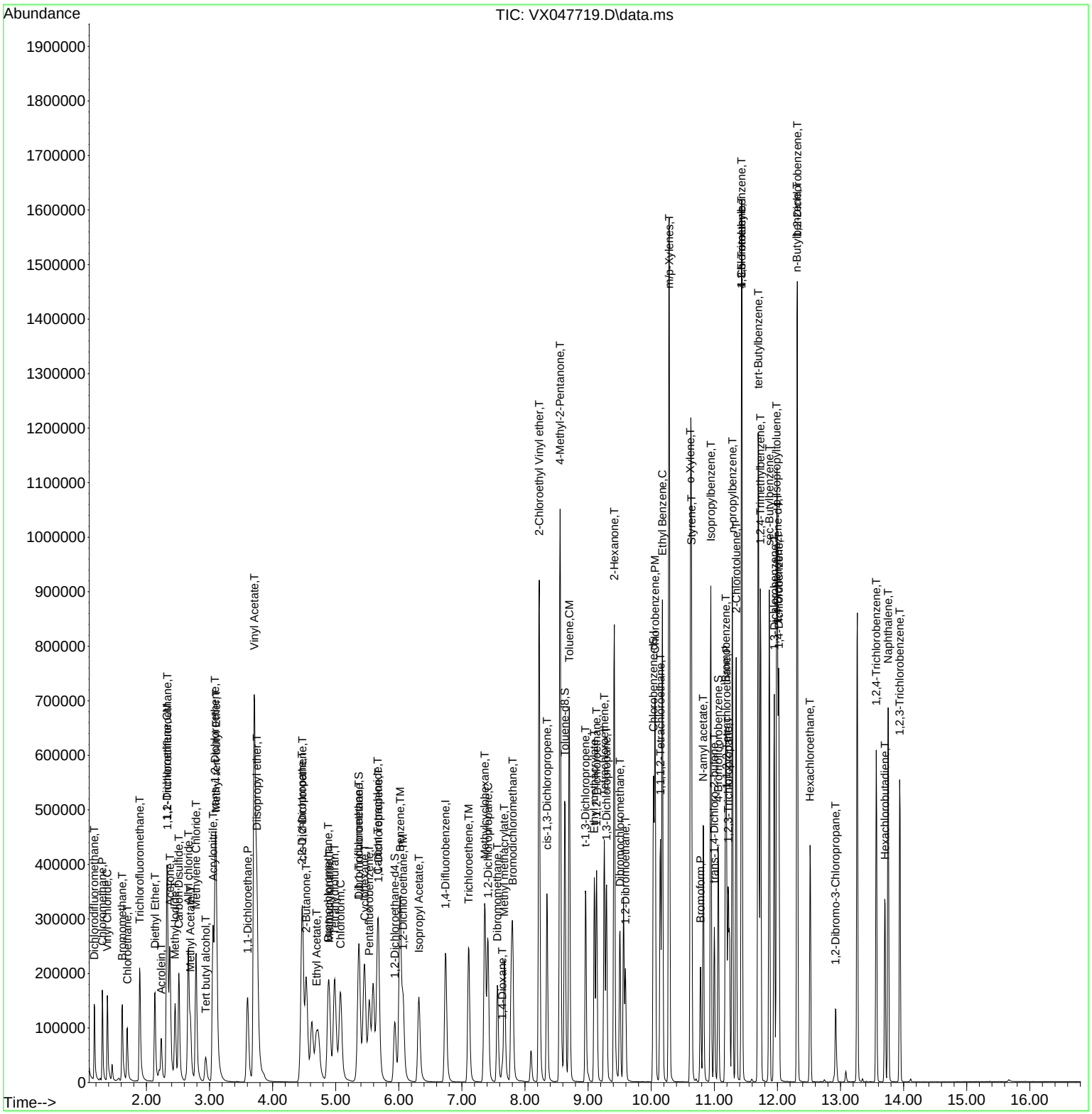
(#) = qualifier out of range (m) = manual integration (+) = signals summed

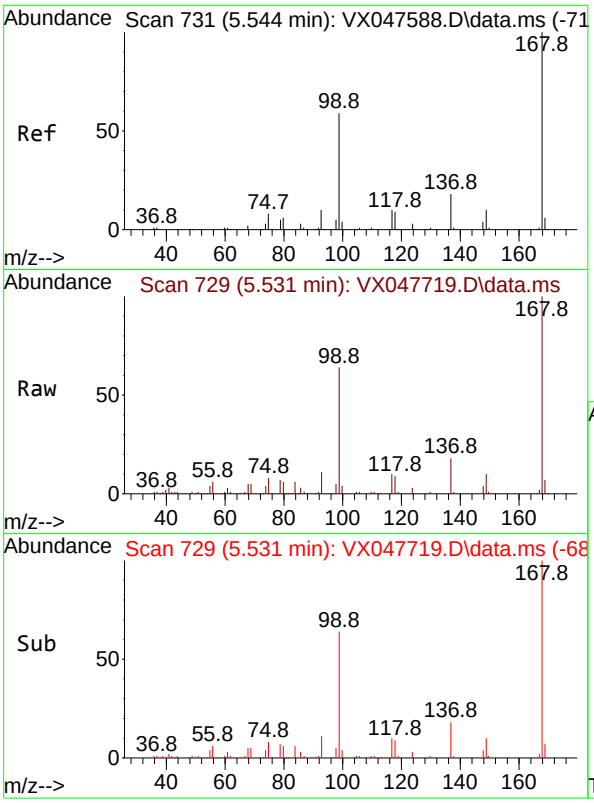
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047719.D
Acq On : 23 Sep 2025 09:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 01:25:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



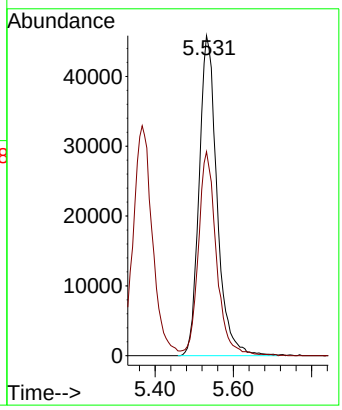


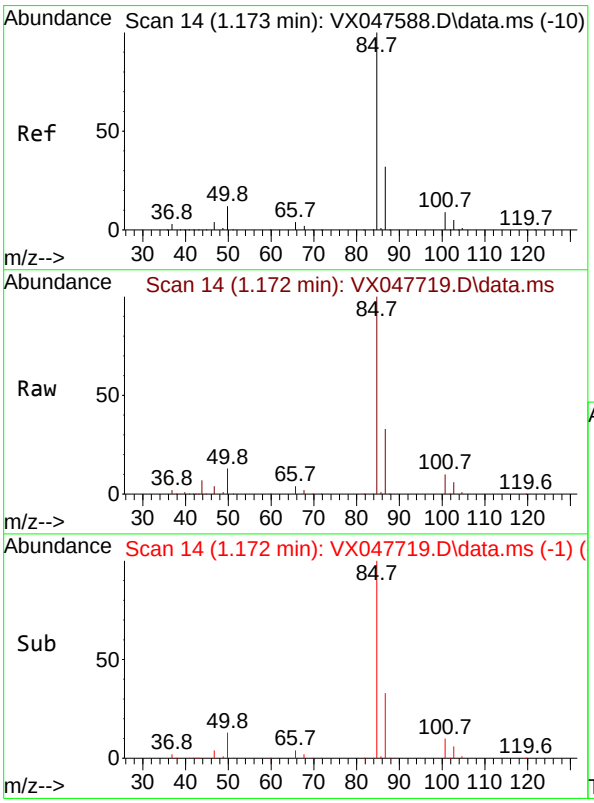

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.531 min Scan# 7
Delta R.T. -0.013 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 145672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 63.8 | 48.8 | 73.2 |

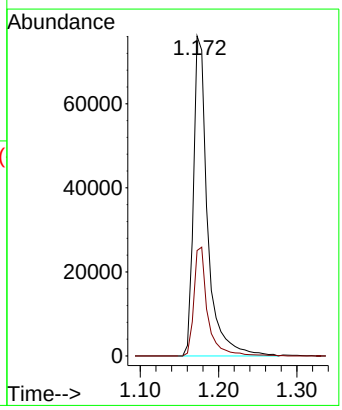


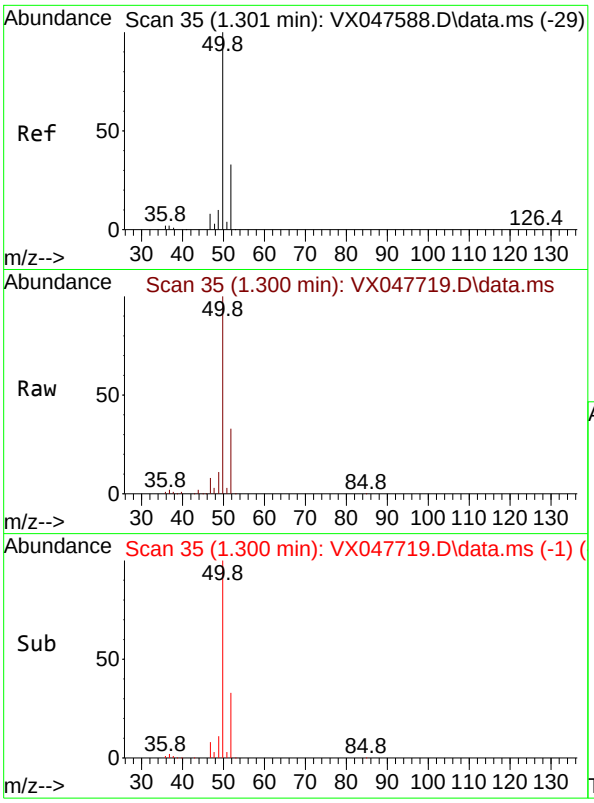




#2
Dichlorodifluoromethane
Concen: 63.389 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 85 Resp: 95620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |



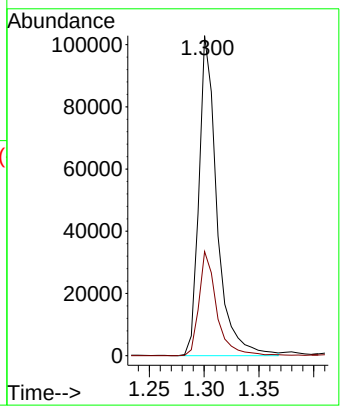


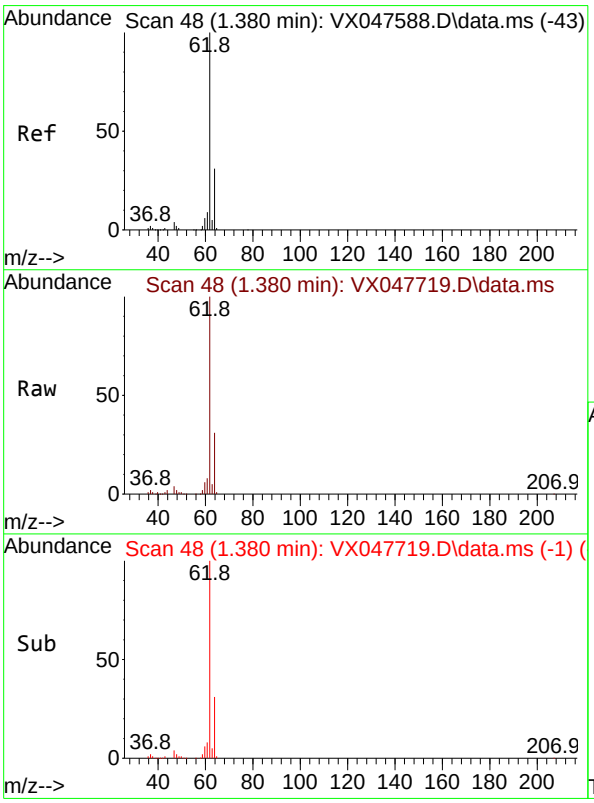

#3
Chloromethane
Concen: 59.371 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 117705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.6 | 26.1 | 39.1 |

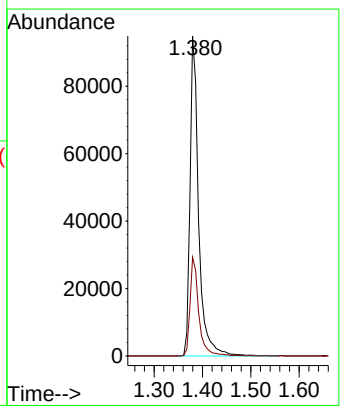


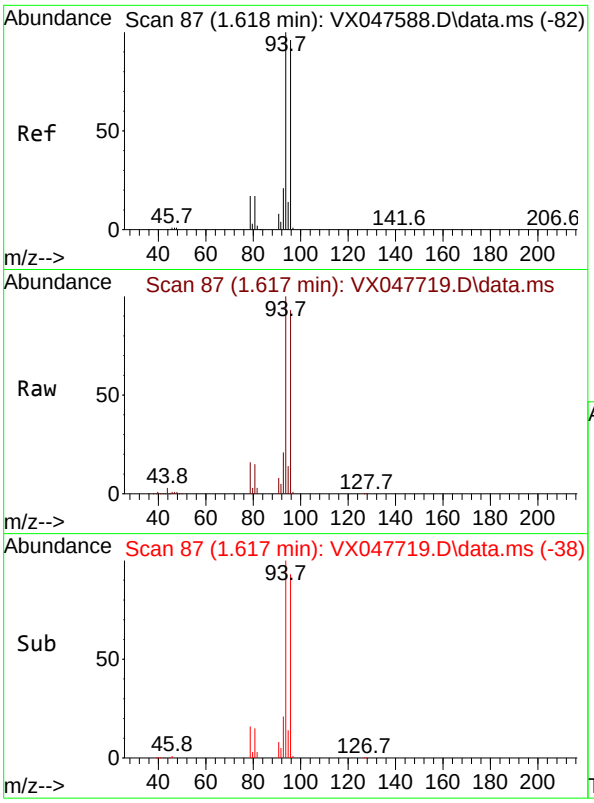




#4
Vinyl Chloride
Concen: 60.422 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 62 Resp: 117260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 30.8 | 24.9 | 37.3 |



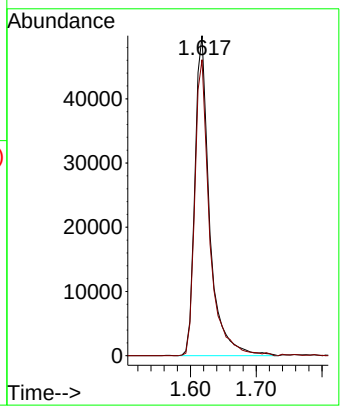


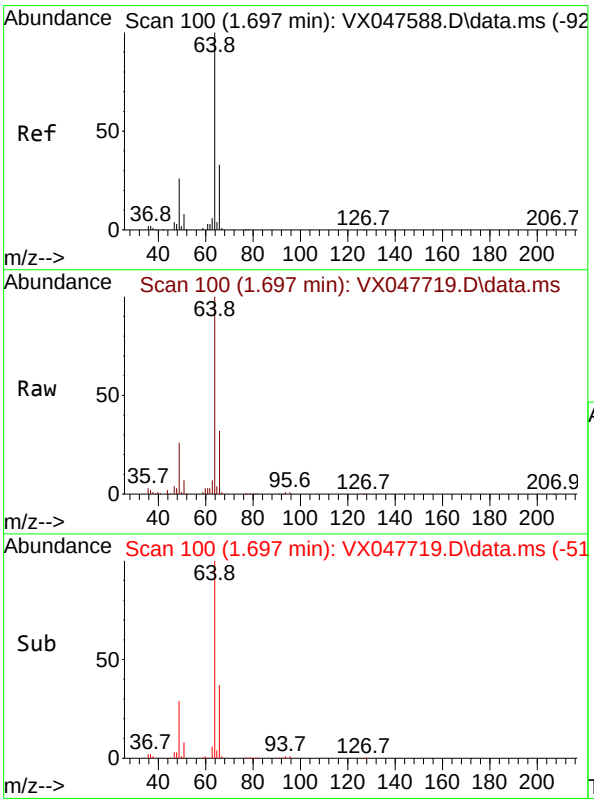

#5
Bromomethane
Concen: 62.771 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 77247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.5 | 76.6 | 115.0 |

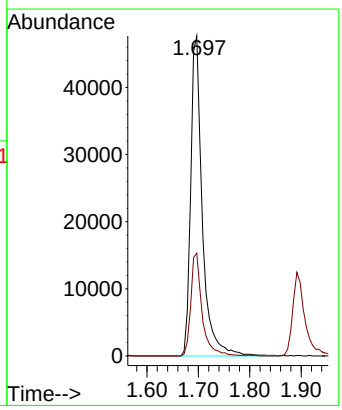


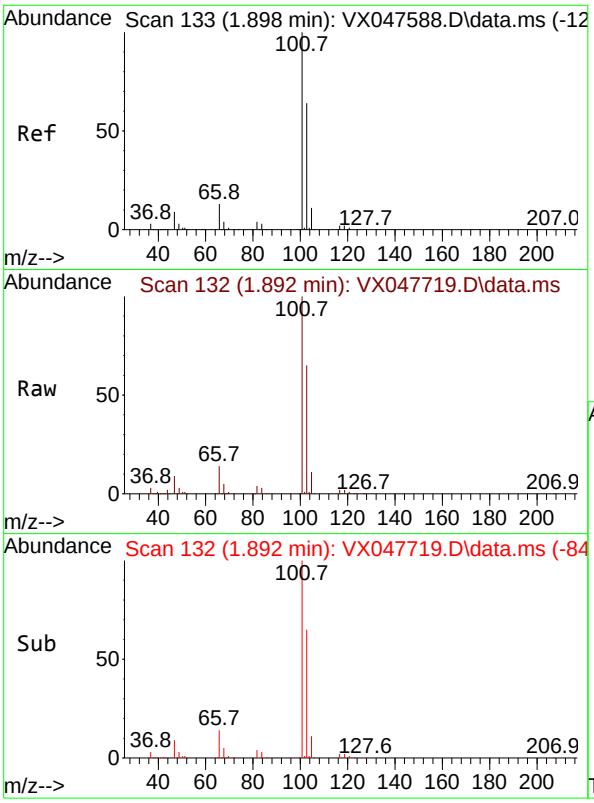




#6
Chloroethane
Concen: 57.762 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 64 Resp: 74922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 32.1 | 26.1 | 39.1 |



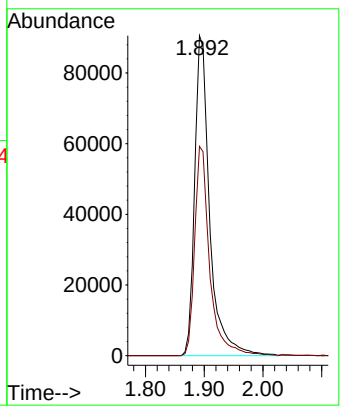


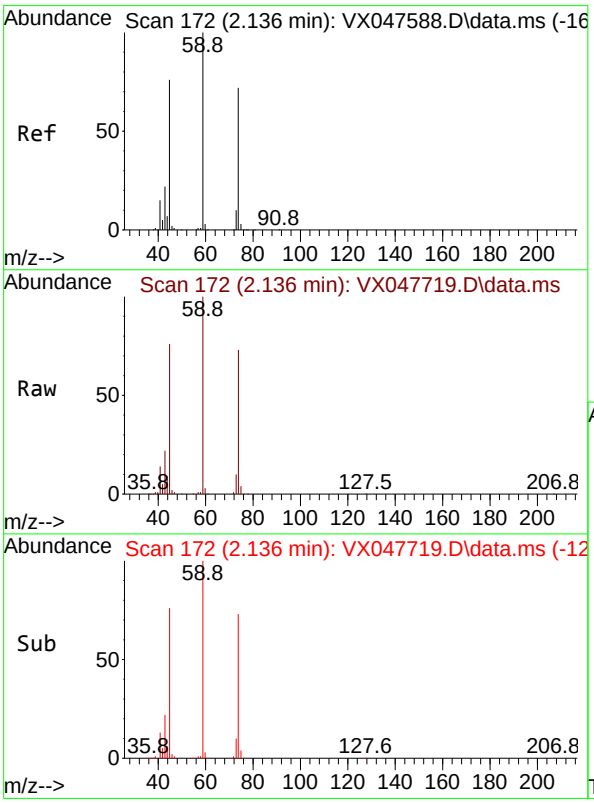

#7
Trichlorofluoromethane
Concen: 55.813 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 160825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.4 | 51.4 | 77.2 |

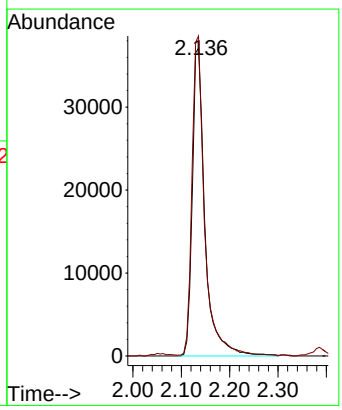


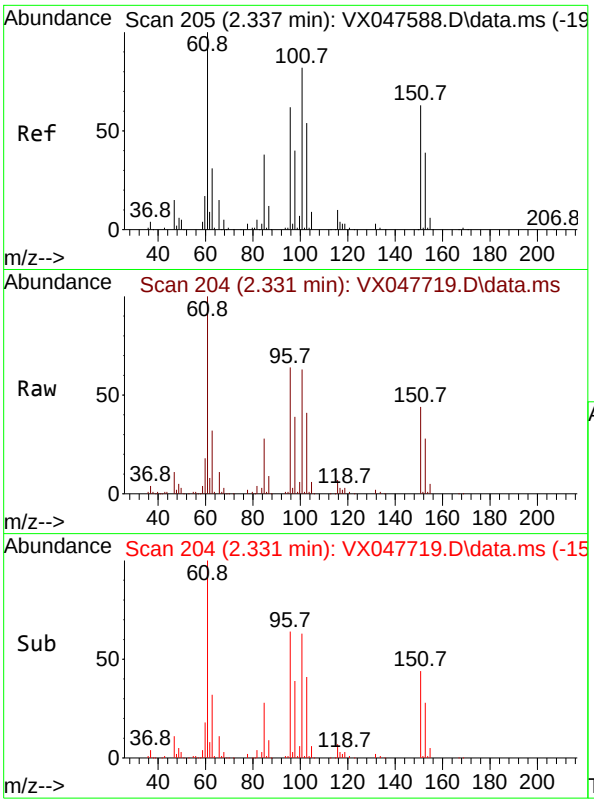




#8
Diethyl Ether
Concen: 57.259 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 74 Resp: 67493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 104.1 | 52.3 | 156.8 |



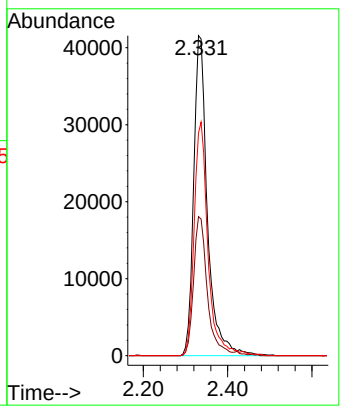


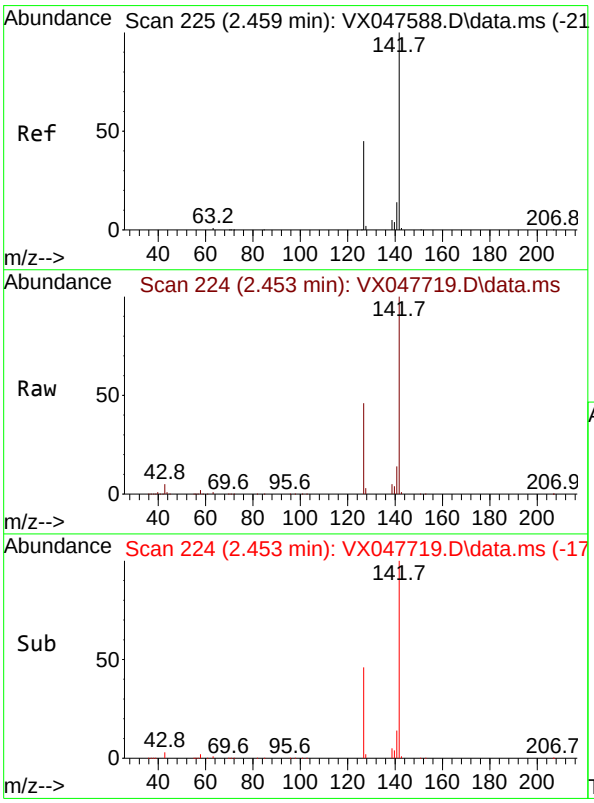

#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.200 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 94692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.1 | 35.5 | 53.3 |
| 151 | 73.5 | 59.4 | 89.0 |

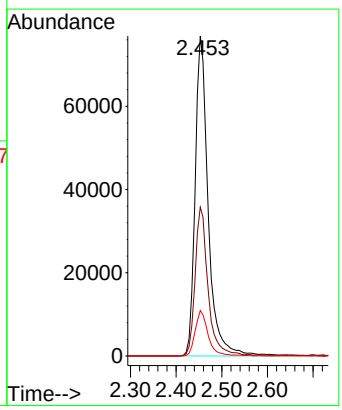


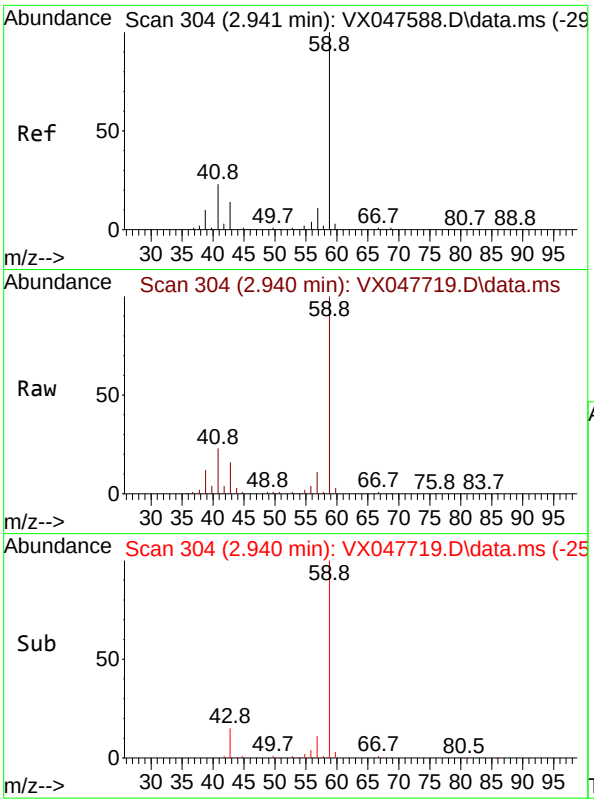




#10
Methyl Iodide
Concen: 58.055 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:142 Resp: 152554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 37.2 | 55.8 |
| 141 | 14.2 | 11.4 | 17.0 |



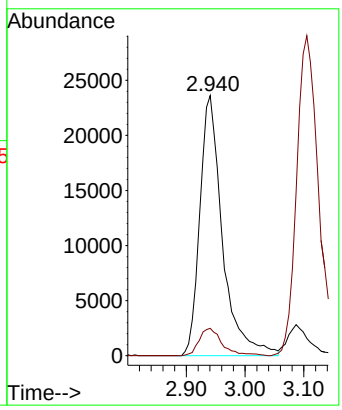


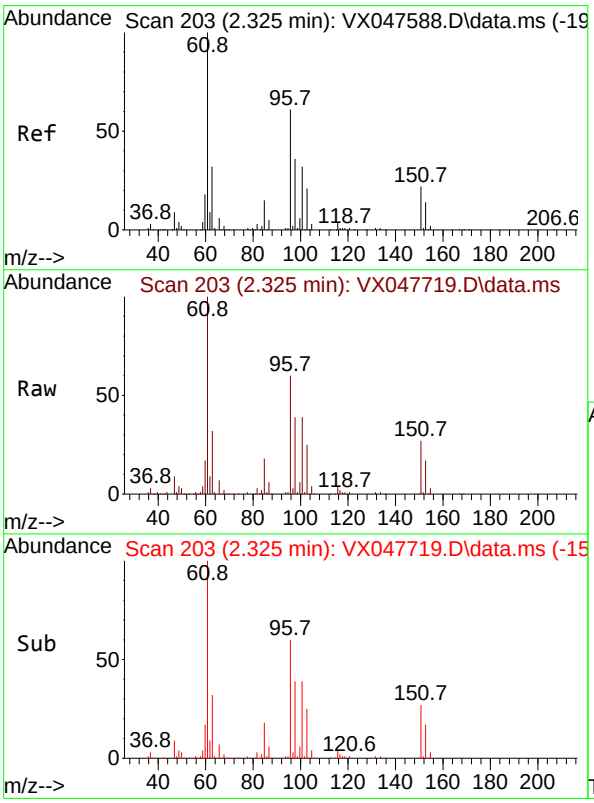

#11
Tert butyl alcohol
Concen: 244.621 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 63172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

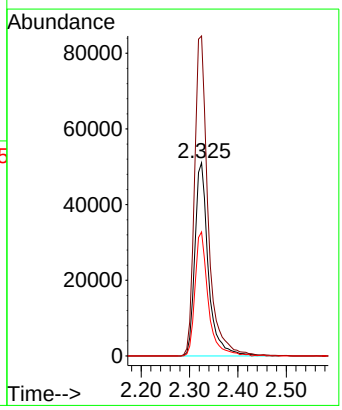


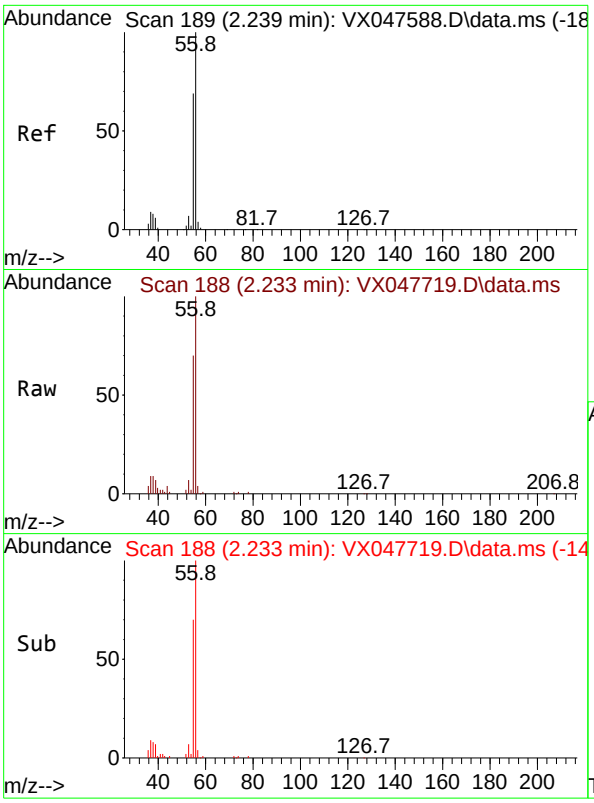




#12
1,1-Dichloroethene
Concen: 57.012 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 96 Resp: 98672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 165.6 | 131.0 | 196.6 |
| 98 | 64.2 | 47.7 | 71.5 |



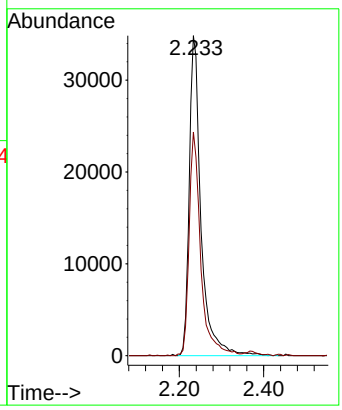


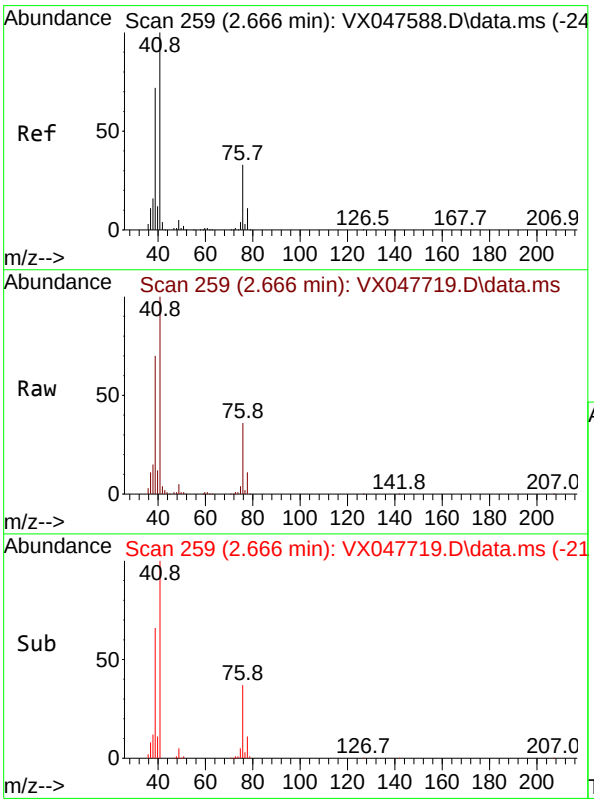

#13
Acrolein
Concen: 282.952 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 67336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.0 | 57.2 | 85.8 |

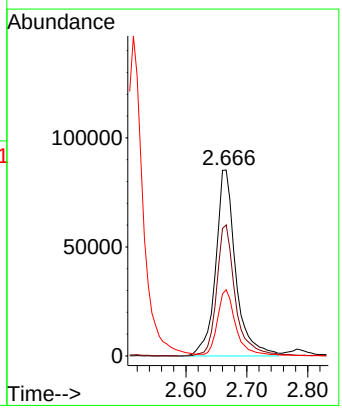


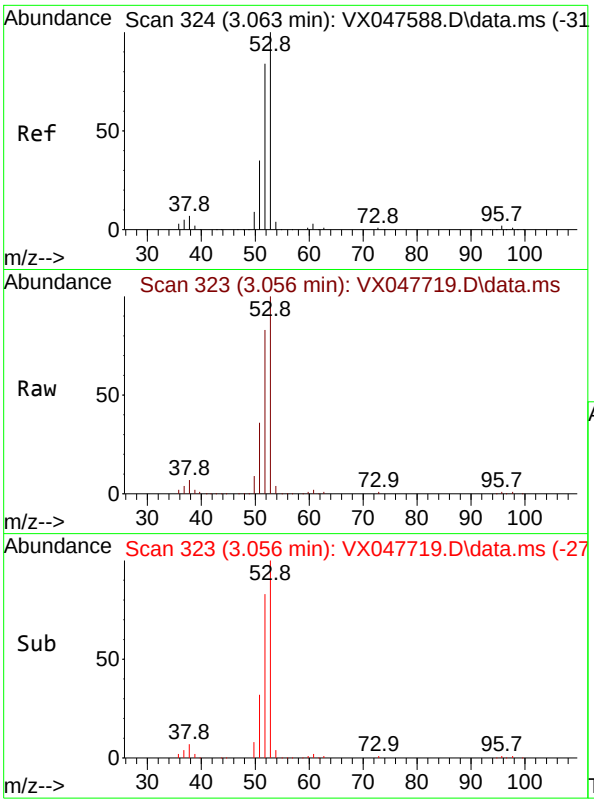




#14
Allyl chloride
Concen: 54.723 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 41 Resp: 195439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 66.1 | 54.7 | 82.1 |
| 76 | 32.6 | 25.7 | 38.5 |



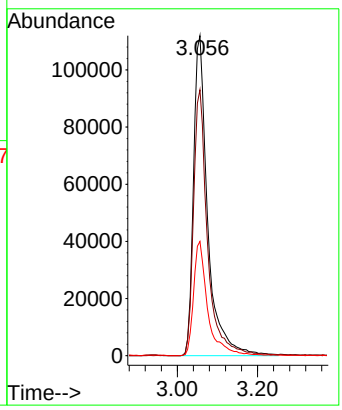


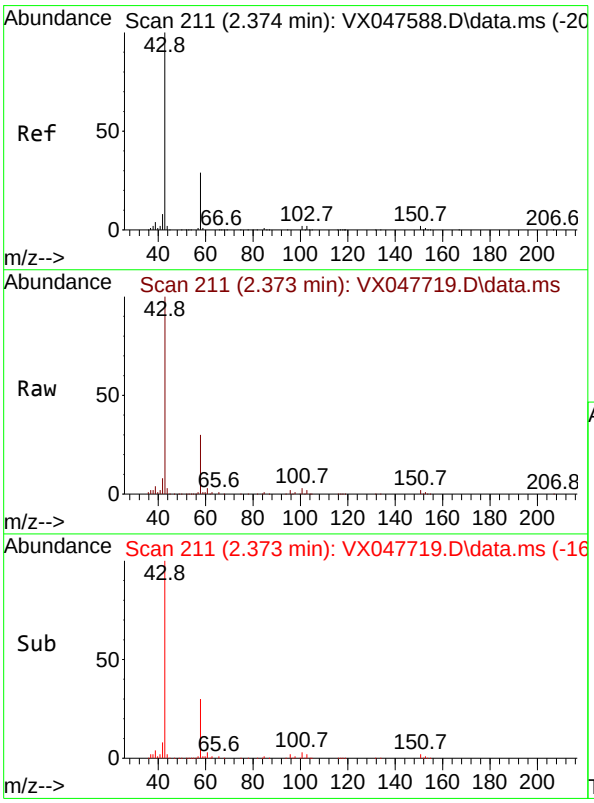

#15
Acrylonitrile
Concen: 287.505 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 275014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 35.8 | 29.5 | 44.3 |

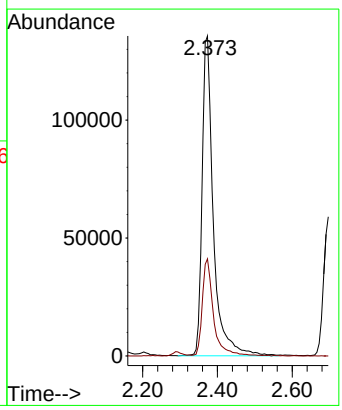


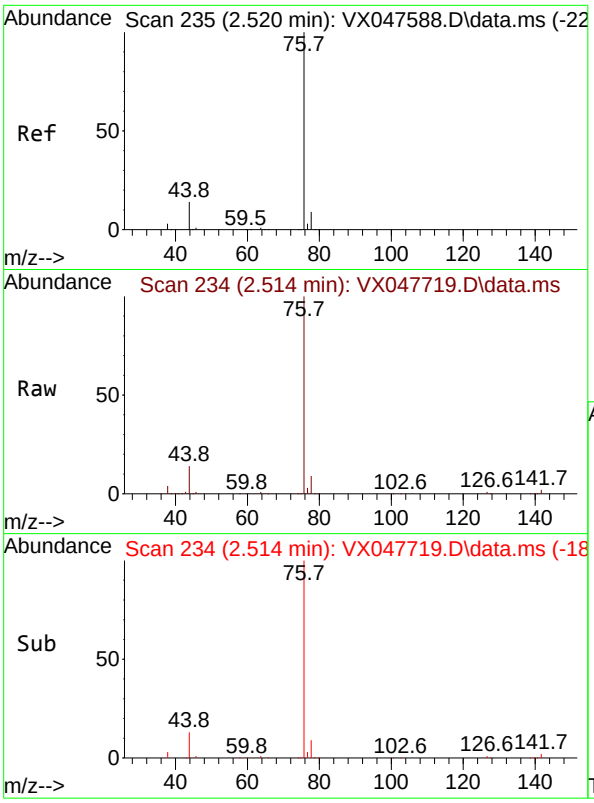




#16
Acetone
Concen: 280.166 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 282461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.4 | 23.4 | 35.0 |



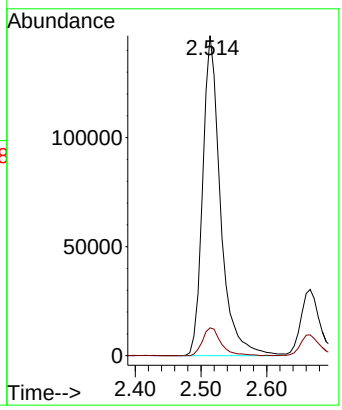


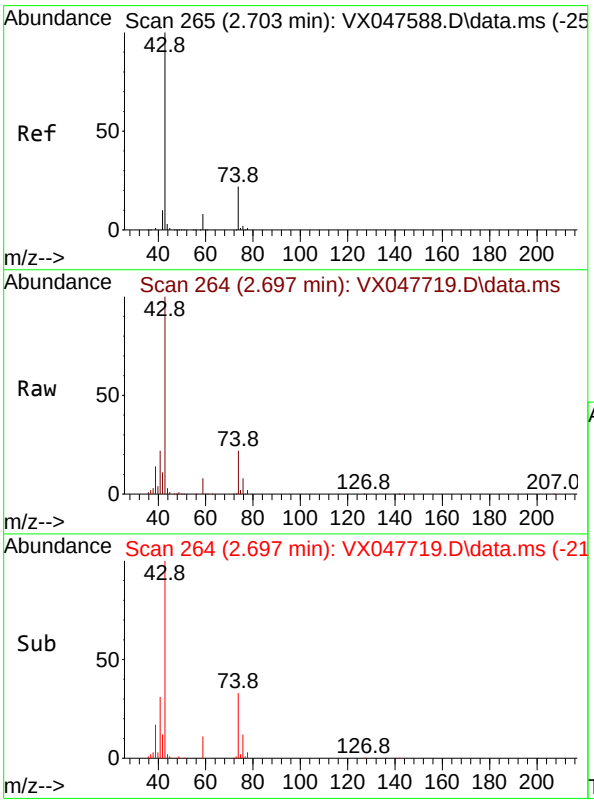

#17
Carbon Disulfide
Concen: 58.393 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 276670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 6.8 | 10.2 |

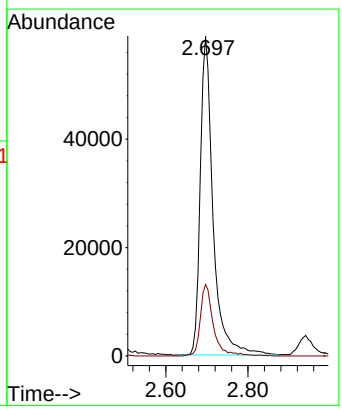


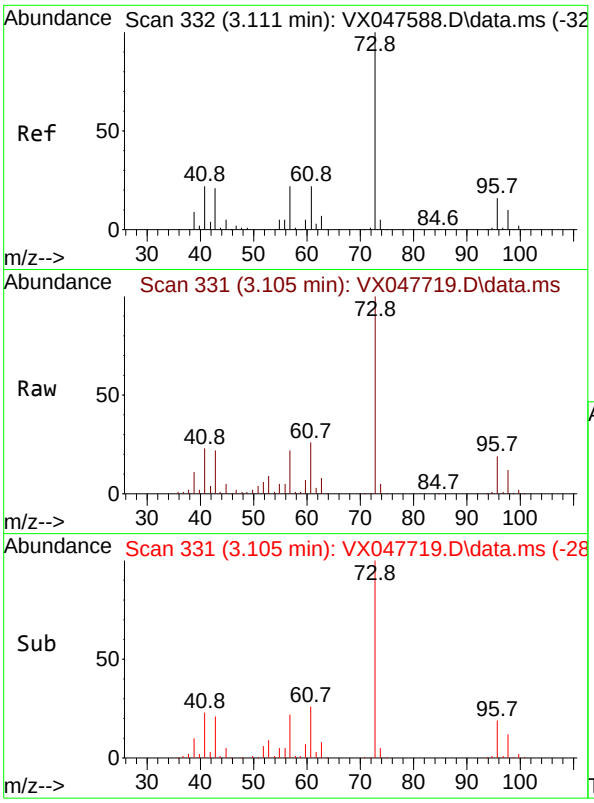




#18
Methyl Acetate
Concen: 56.673 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 127158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.7 | 17.4 | 26.2 |



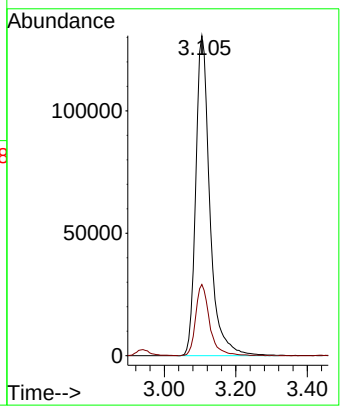


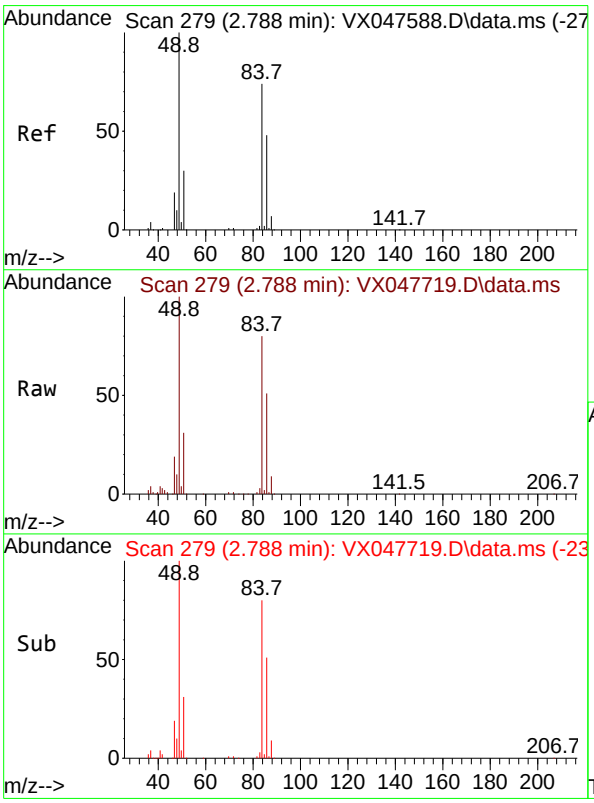

#19
Methyl tert-butyl Ether
Concen: 56.537 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 357198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.2 | 17.4 | 26.2 |

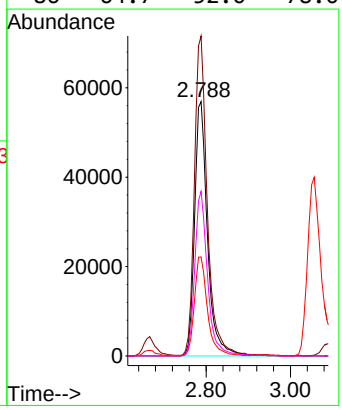


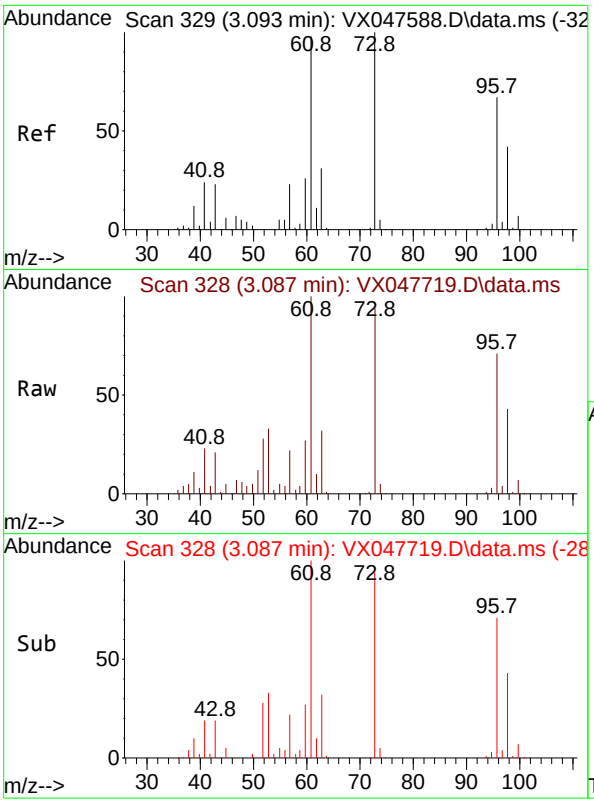




#20
Methylene Chloride
Concen: 56.815 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 84 Resp: 121247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 125.5 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |



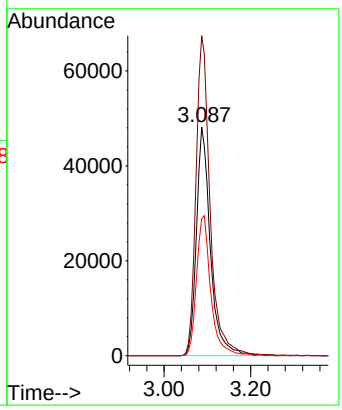


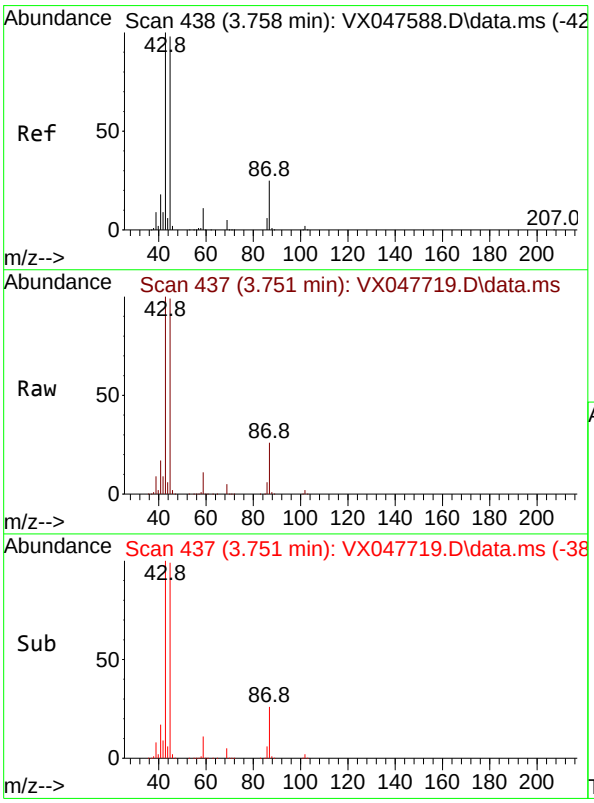

#21
trans-1,2-Dichloroethene
Concen: 57.928 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 107940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.0 | 116.2 | 174.2 |
| 98 | 59.9 | 49.3 | 73.9 |

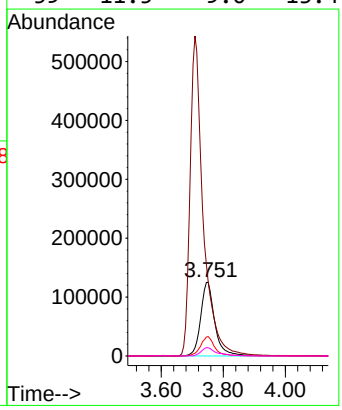


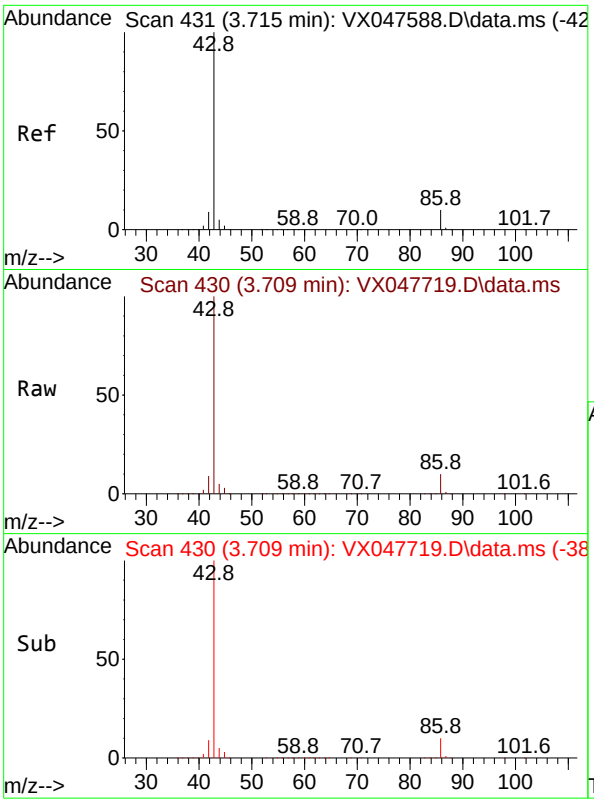




#22
Diisopropyl ether
Concen: 56.829 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 45 Resp: 393344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.4 | 81.0 | 121.4 |
| 87 | 26.1 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |



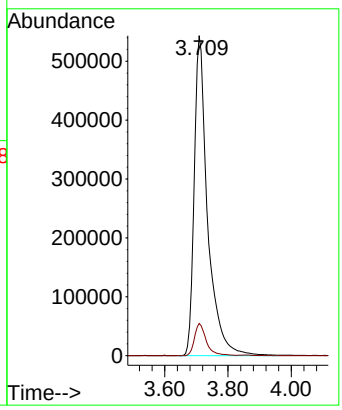


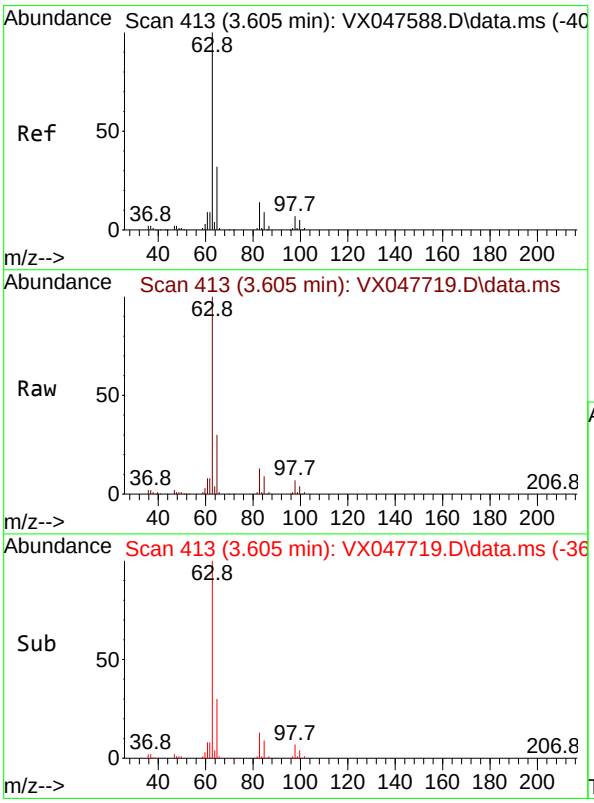

#23
Vinyl Acetate
Concen: 289.816 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1605465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.1 | 7.8 | 11.8 |

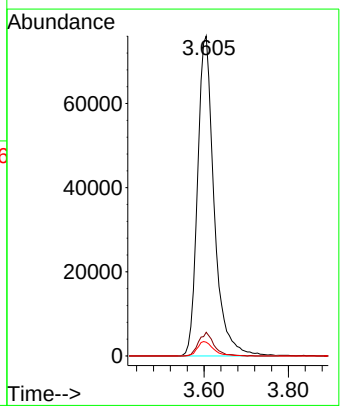


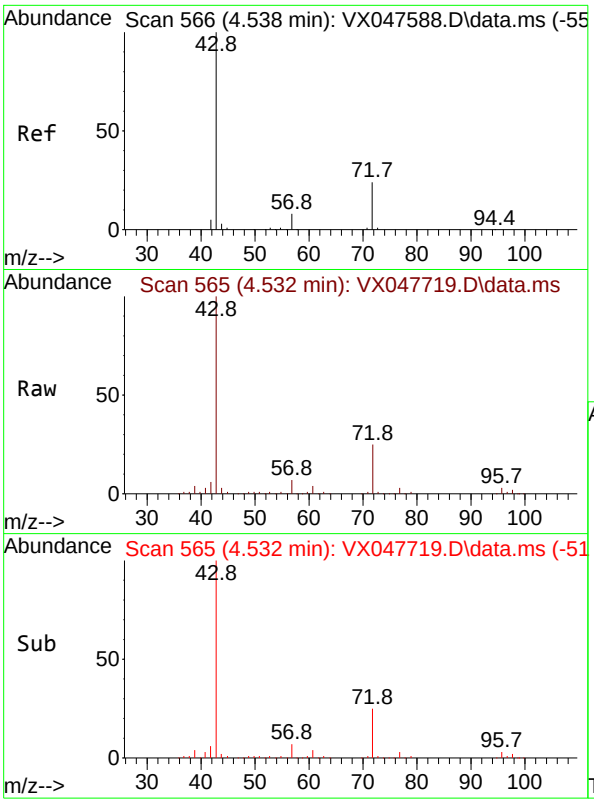




#24
1,1-Dichloroethane
Concen: 56.537 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 63 Resp: 207990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |



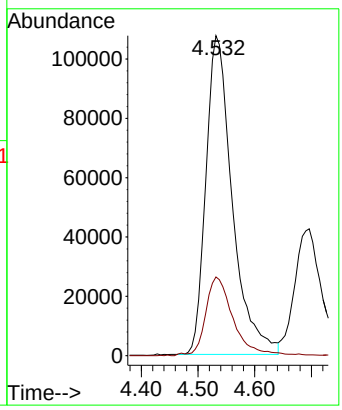


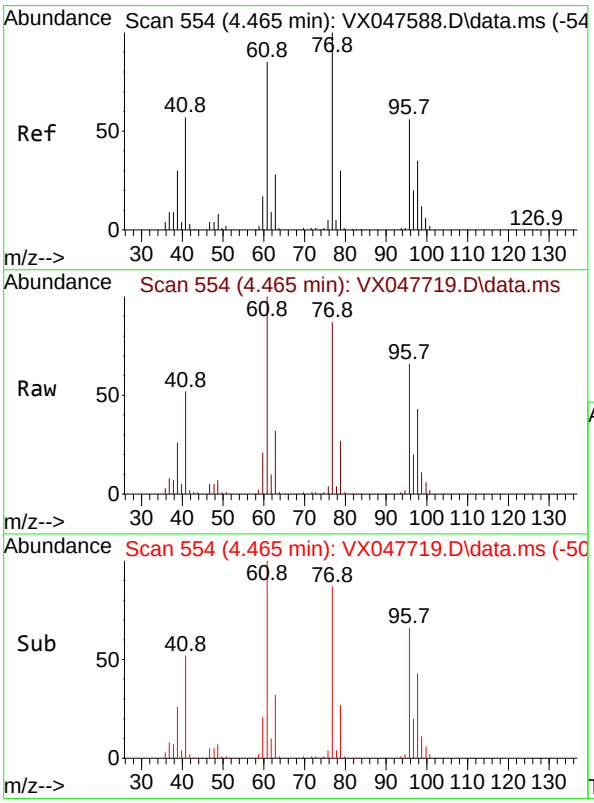

#25
2-Butanone
Concen: 276.163 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 347300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.9 | 20.1 | 30.1 |

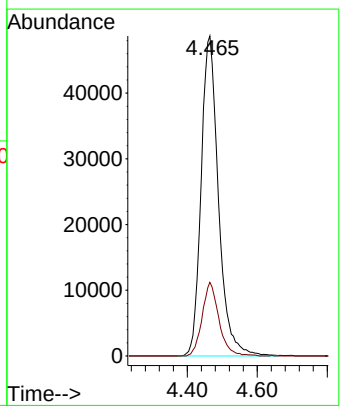


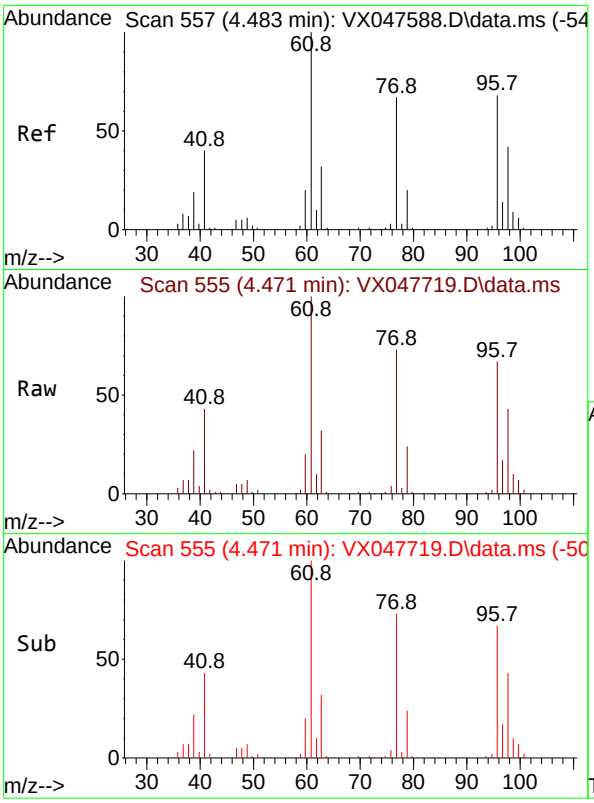




#26
2,2-Dichloropropane
Concen: 54.744 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 77 Resp: 167410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.3 | 10.9 | 32.7 |



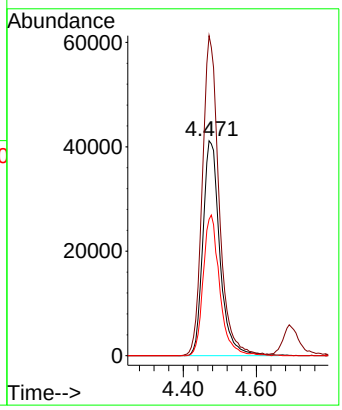


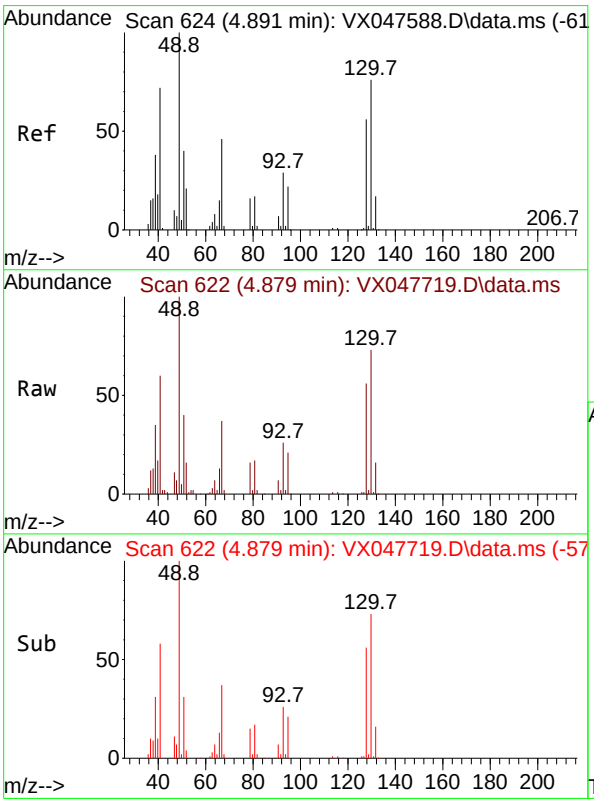

#27
cis-1,2-Dichloroethene
Concen: 57.629 ug/l
RT: 4.471 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 131508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 148.0 | 0.0 | 303.2 |
| 98 | 64.1 | 0.0 | 127.8 |

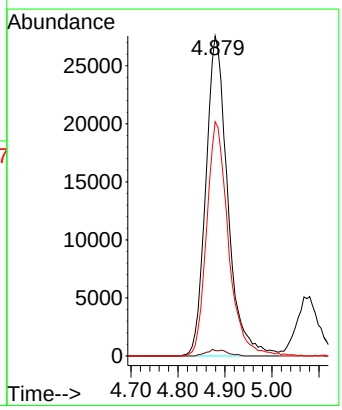


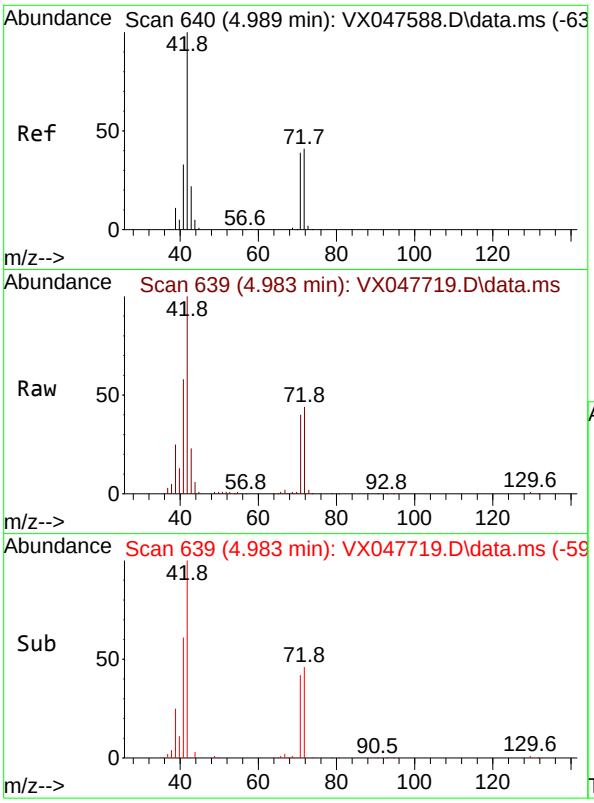




#28
Bromochloromethane
Concen: 55.520 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 49 Resp: 89169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |



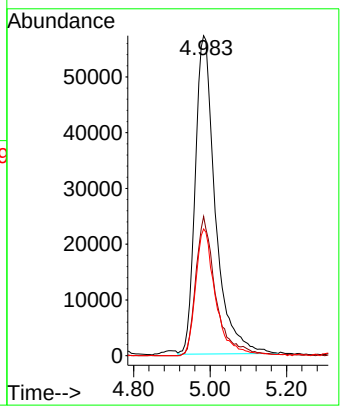


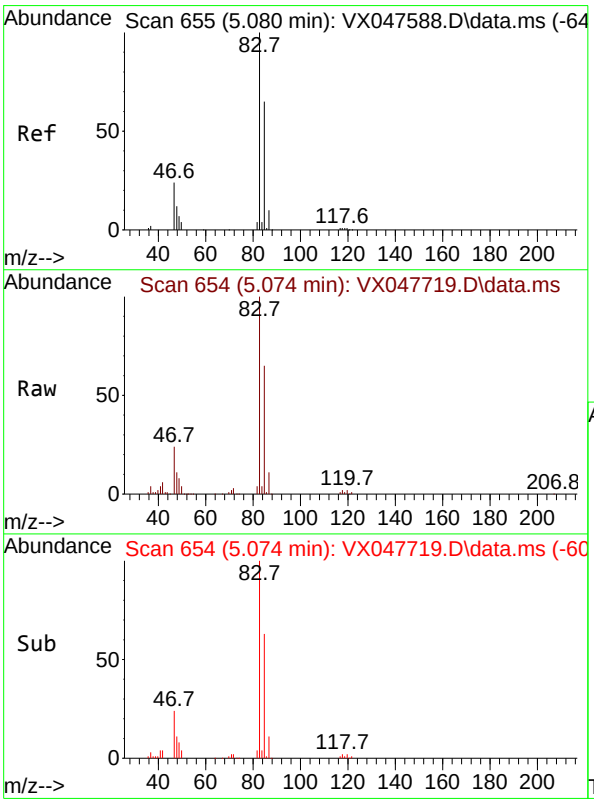

#29
Tetrahydrofuran
Concen: 274.666 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 207795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 43.5 | 34.2 | 51.2 |
| 71 | 40.0 | 31.9 | 47.9 |

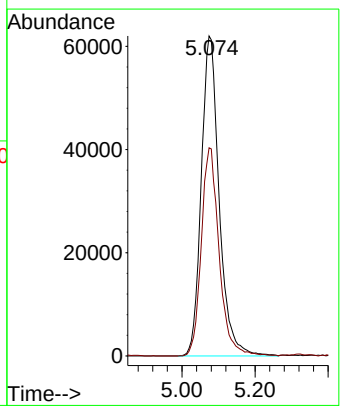


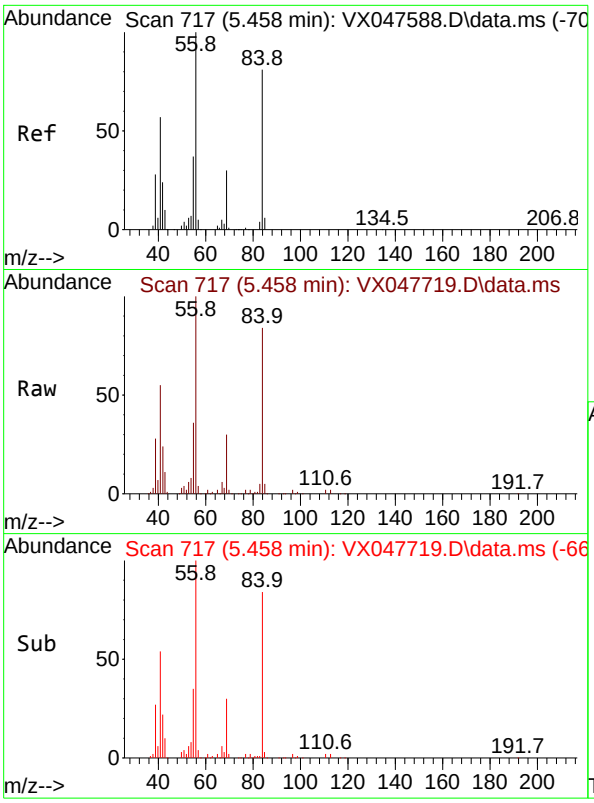




#30
Chloroform
Concen: 56.566 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 83 Resp: 210287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.8 | 77.6 |



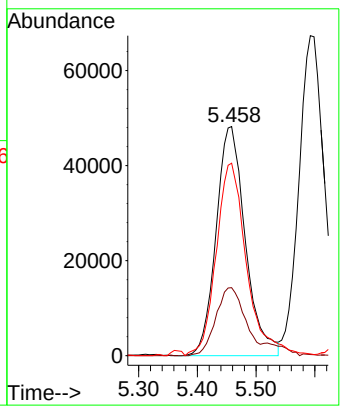


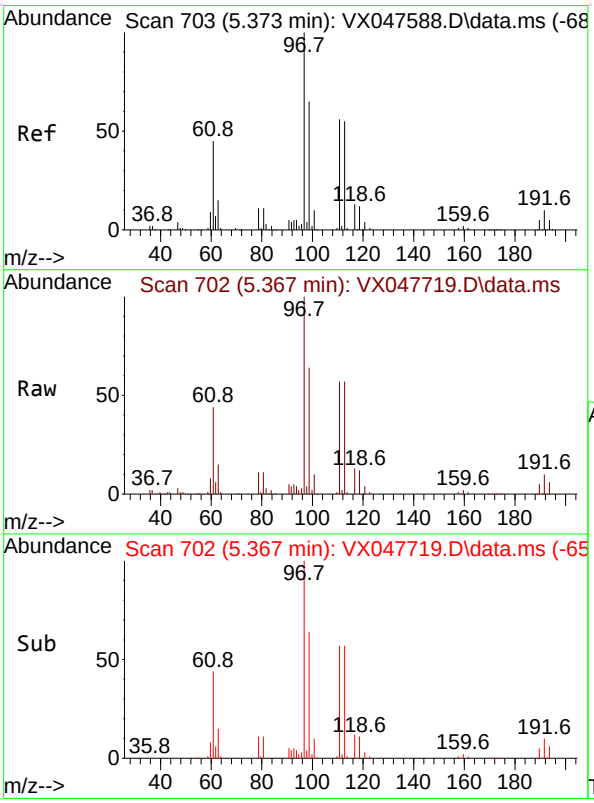

#31
Cyclohexane
Concen: 54.312 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 166413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.3 | 23.8 | 35.8 |
| 84 | 81.9 | 64.6 | 97.0 |

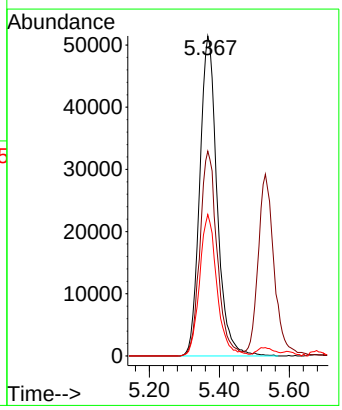


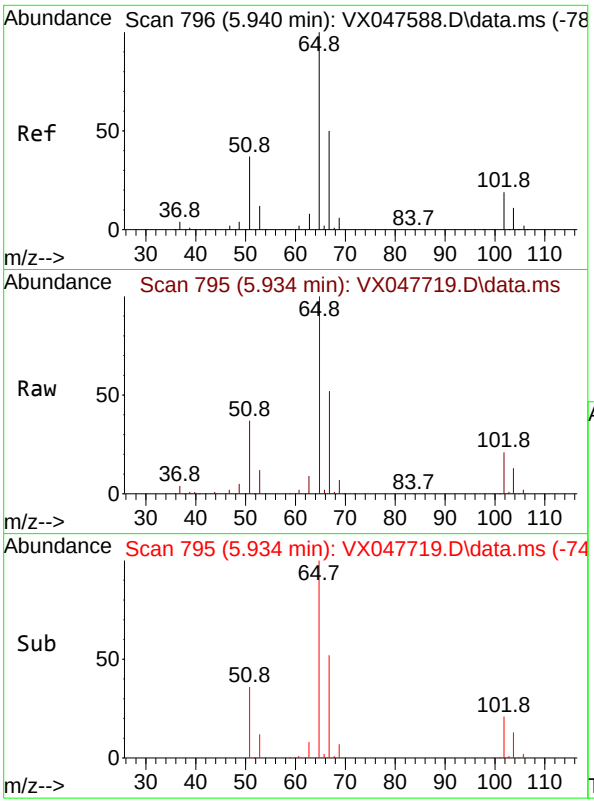




#32
1,1,1-Trichloroethane
Concen: 55.958 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 97 Resp: 176453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 44.3 | 35.8 | 53.8 |



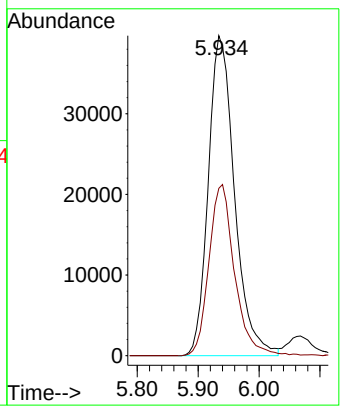


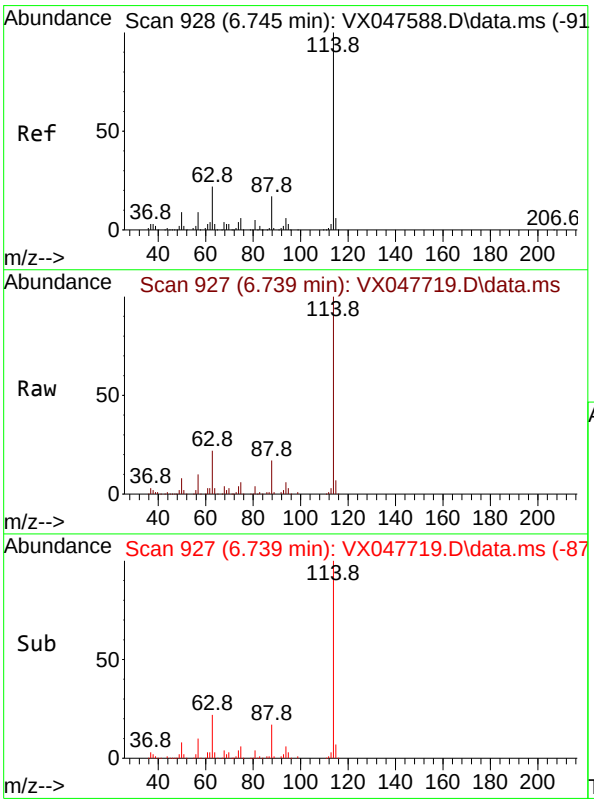

#33
1,2-Dichloroethane-d4
Concen: 51.280 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 118904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.3 | 0.0 | 103.0 |

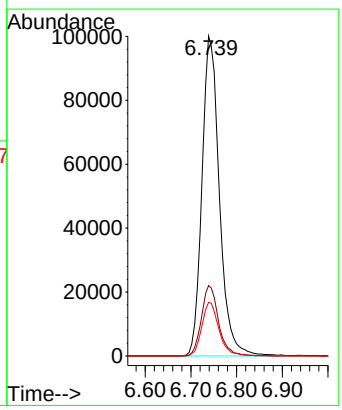


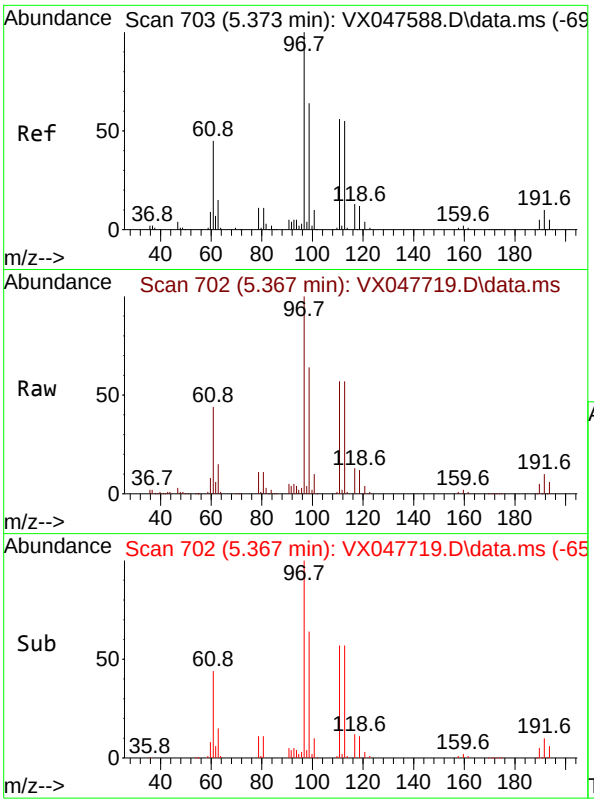




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:114 Resp: 265022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.0 | 0.0 | 44.0 |
| 88 | 16.8 | 0.0 | 34.2 |



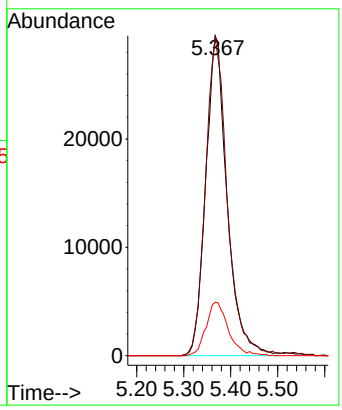


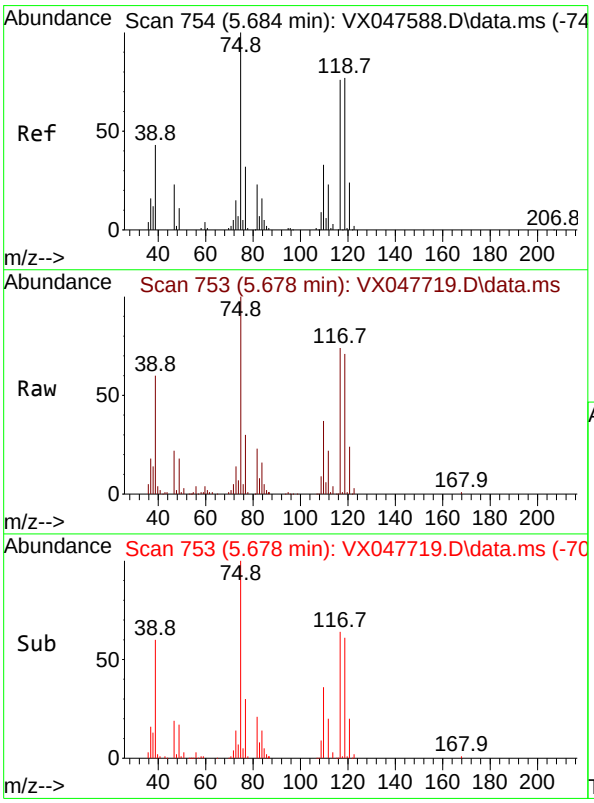

#35
Dibromofluoromethane
Concen: 52.461 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 93243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.9 | 80.9 | 121.3 |
| 192 | 17.5 | 14.2 | 21.4 |

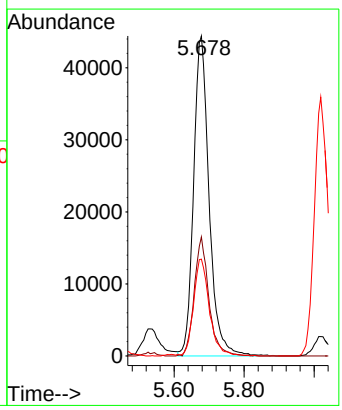


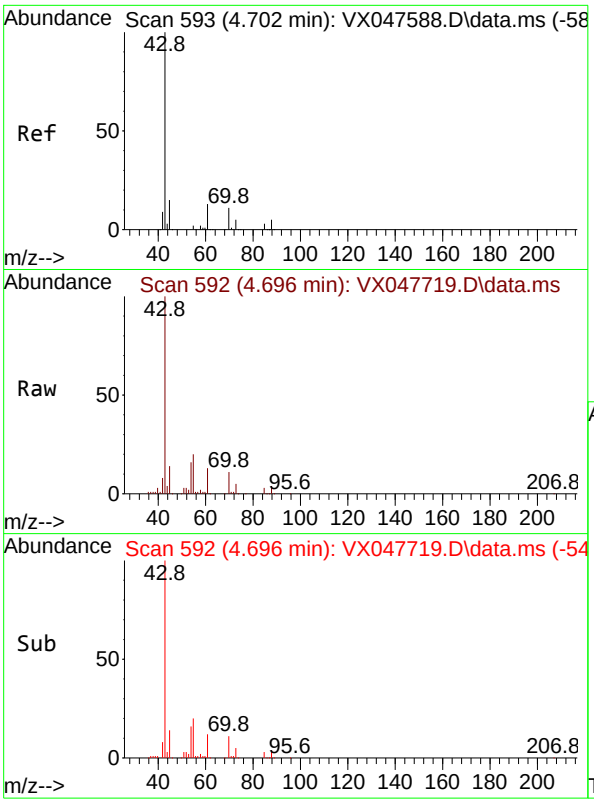




#36
1,1-Dichloropropene
Concen: 52.619 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 136661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 35.1 | 16.7 | 50.1 |
| 77 | 30.9 | 24.3 | 36.5 |



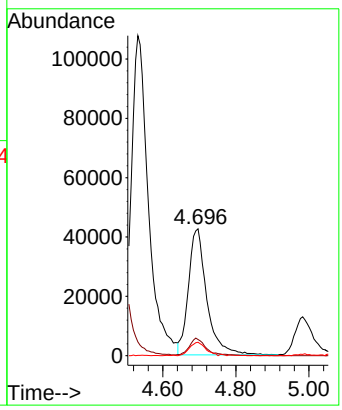


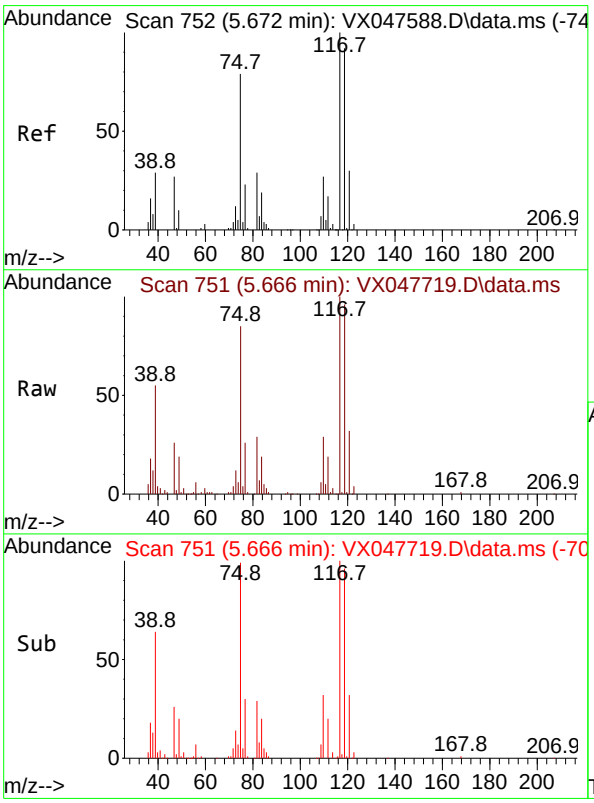

#37
Ethyl Acetate
Concen: 53.244 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 148064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.5 | 9.8 | 14.8 |
| 70 | 9.3 | 7.9 | 11.9 |

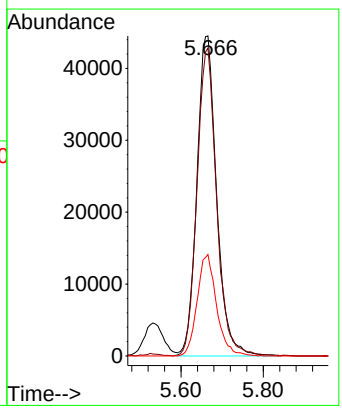


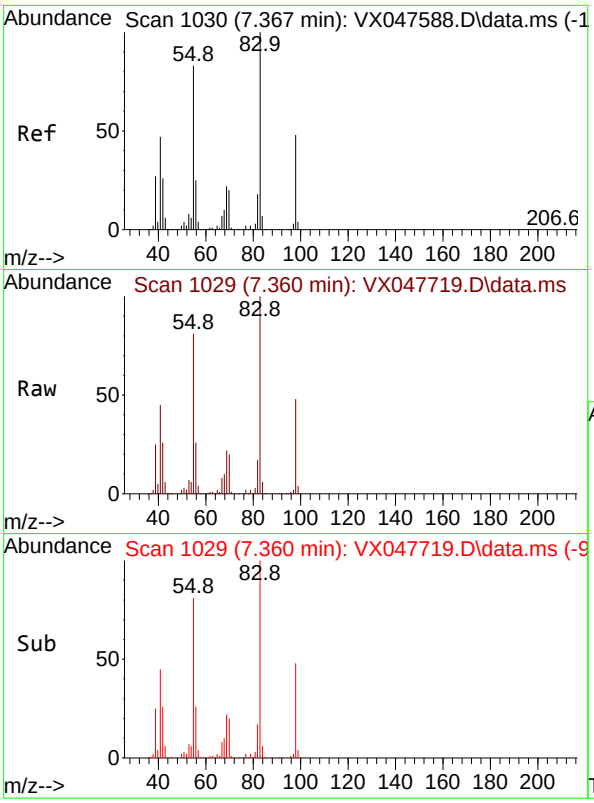




#38
Carbon Tetrachloride
Concen: 52.659 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:117 Resp: 148597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 96.0 | 73.4 | 110.2 |
| 121 | 31.7 | 23.8 | 35.6 |



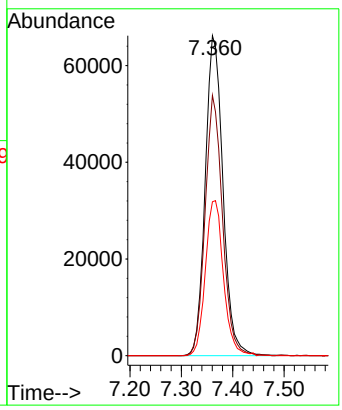


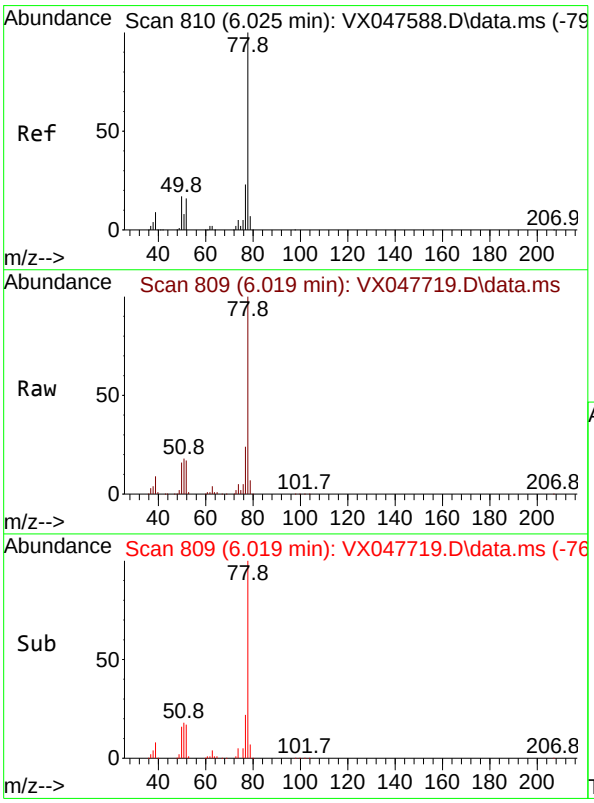

#39
Methylcyclohexane
Concen: 53.805 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 158624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 66.4 | 99.6 |
| 98 | 48.1 | 38.1 | 57.1 |

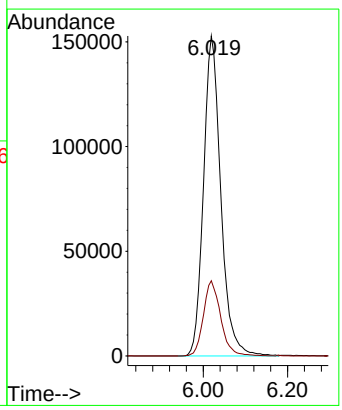


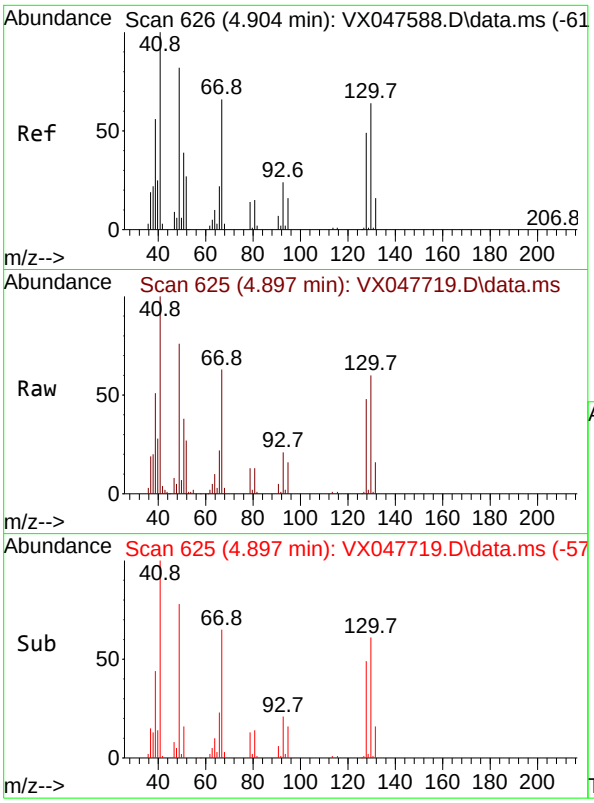




#40
Benzene
Concen: 55.328 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 78 Resp: 436446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



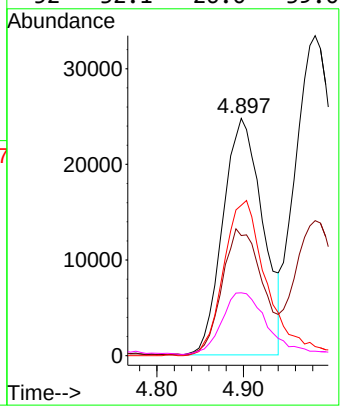


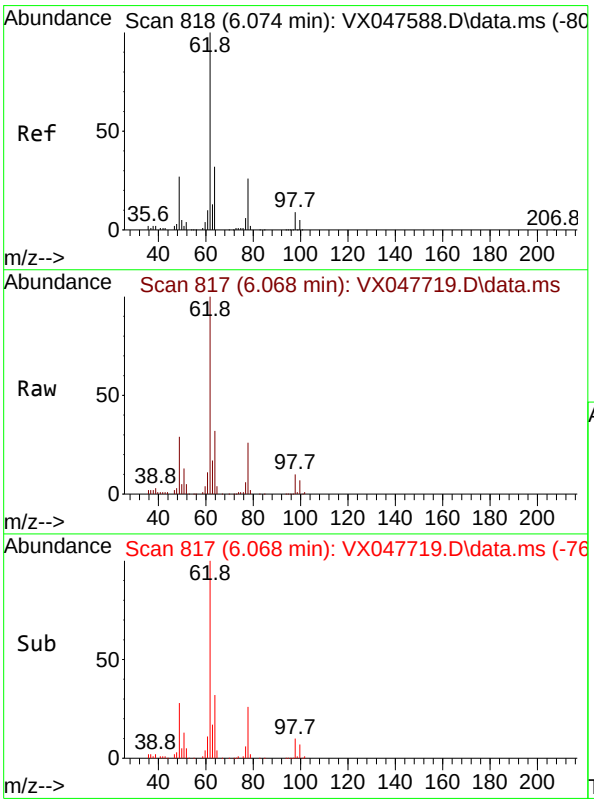

#41
Methacrylonitrile
Concen: 55.020 ug/l
RT: 4.897 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 78988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.0 | 43.3 | 64.9 |
| 67 | 72.0 | 58.6 | 87.8 |
| 52 | 32.1 | 26.0 | 39.0 |

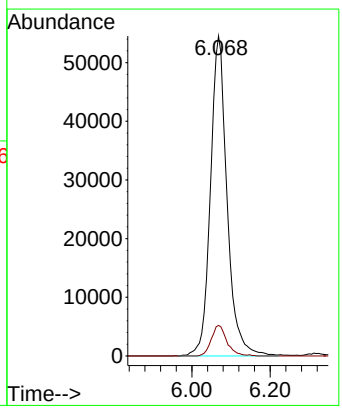


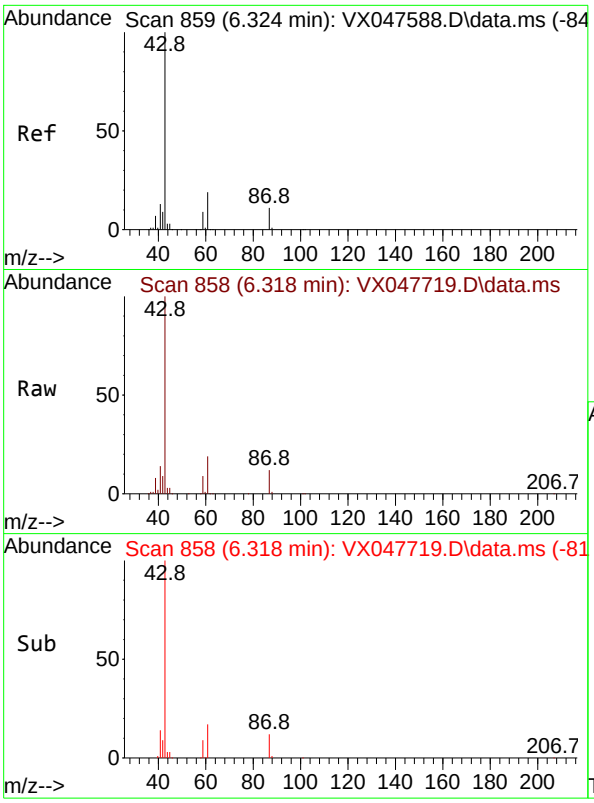




#42
1,2-Dichloroethane
Concen: 53.472 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 62 Resp: 160490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.0 | 0.0 | 17.0 |



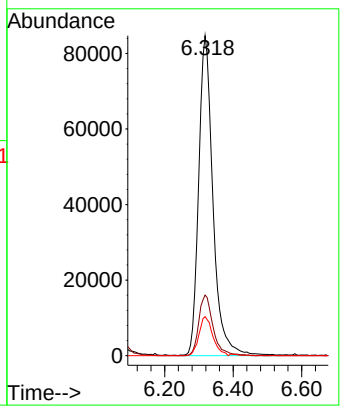


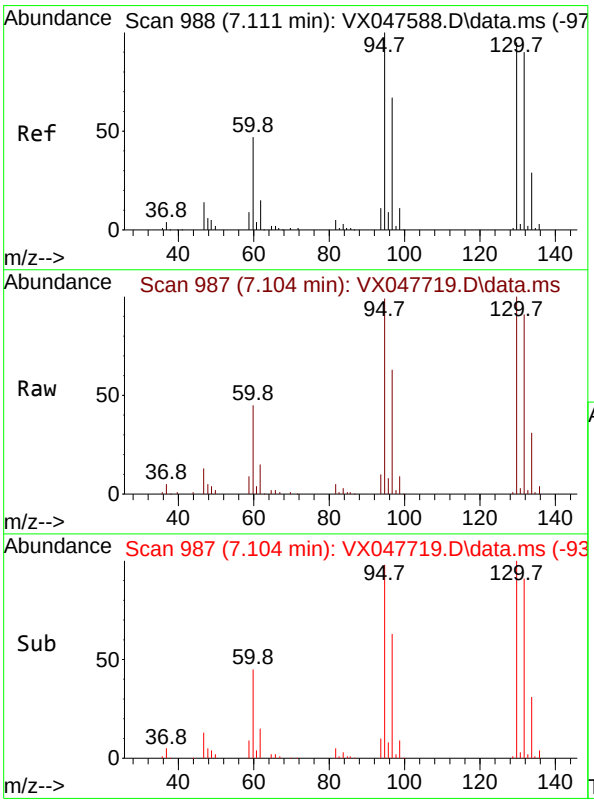

#43
Isopropyl Acetate
Concen: 54.094 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 246709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.0 | 15.2 | 22.8 |
| 87 | 11.7 | 9.6 | 14.4 |

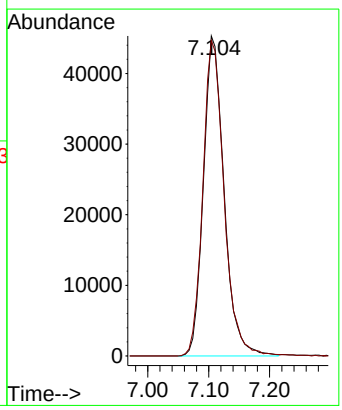


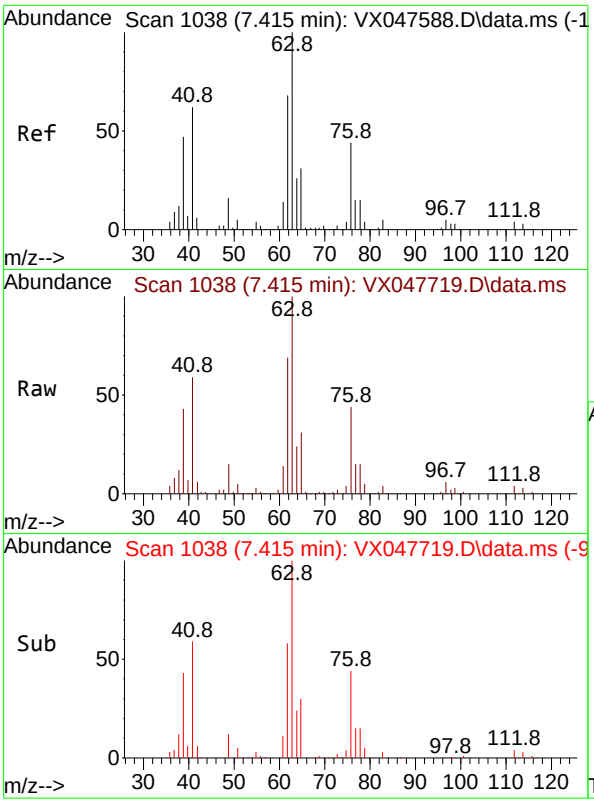




#44
Trichloroethene
Concen: 55.974 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:130 Resp: 106747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.6 | 0.0 | 210.8 |



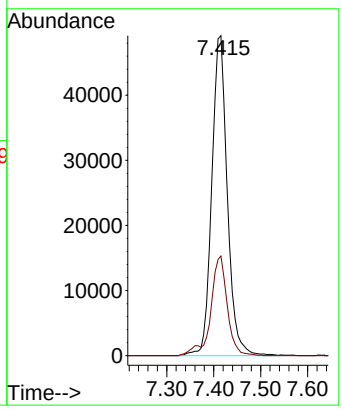


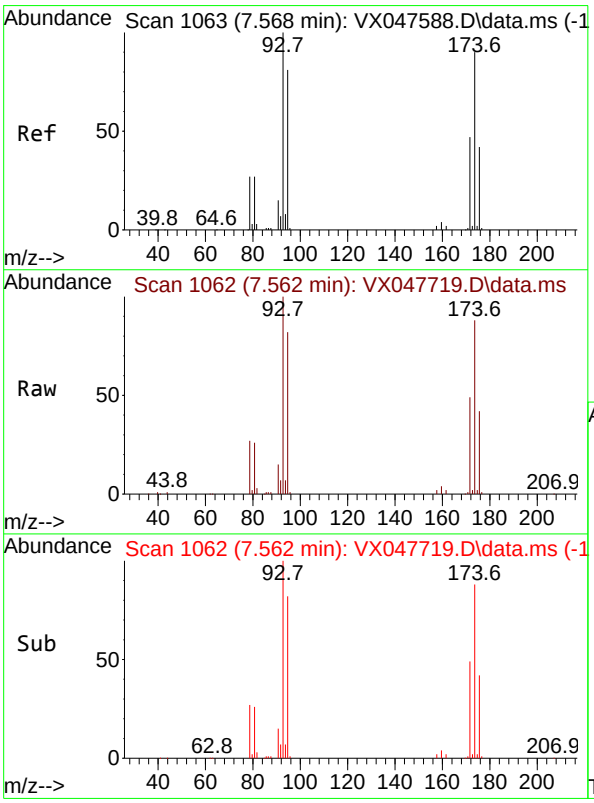

#45
1,2-Dichloropropane
Concen: 55.852 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 112815

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.2 | 24.7 | 37.1 |

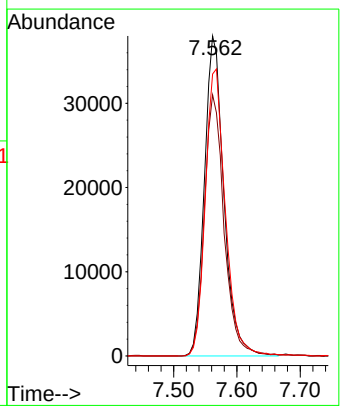


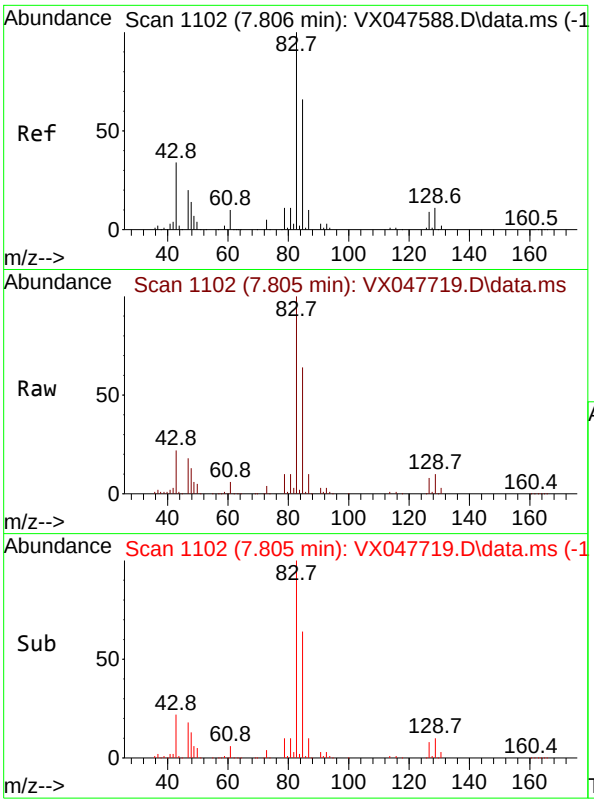




#46
Dibromomethane
Concen: 55.264 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 93 Resp: 81231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.0 | 65.0 | 97.6 |
| 174 | 92.6 | 71.6 | 107.4 |



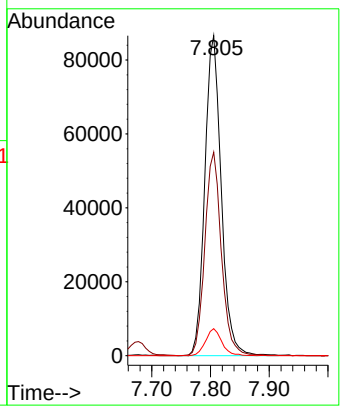


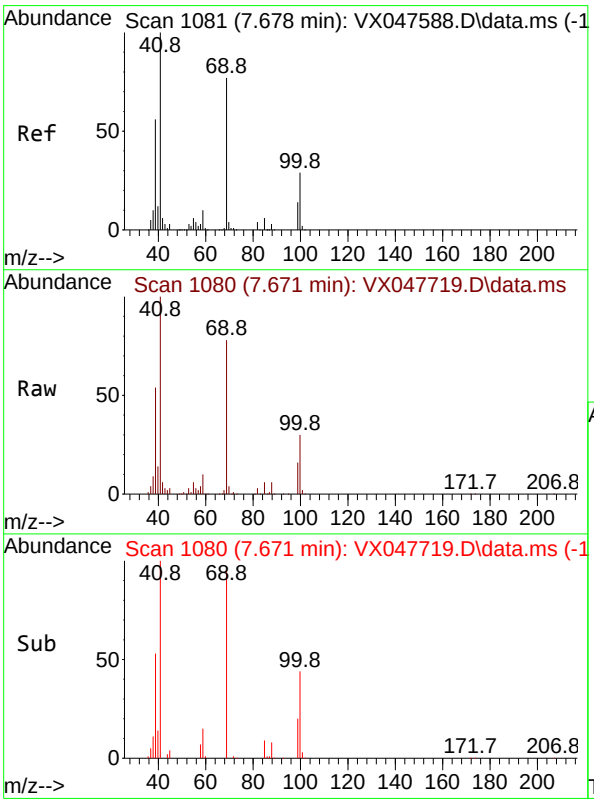

#47
Bromodichloromethane
Concen: 55.419 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 168096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.6 | 52.5 | 78.7 |
| 127 | 8.4 | 6.9 | 10.3 |

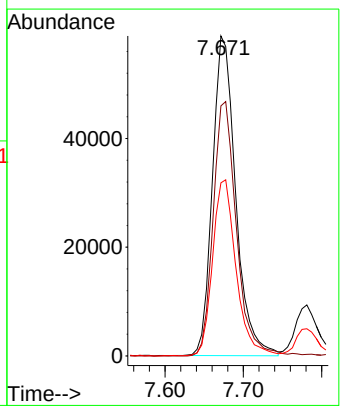


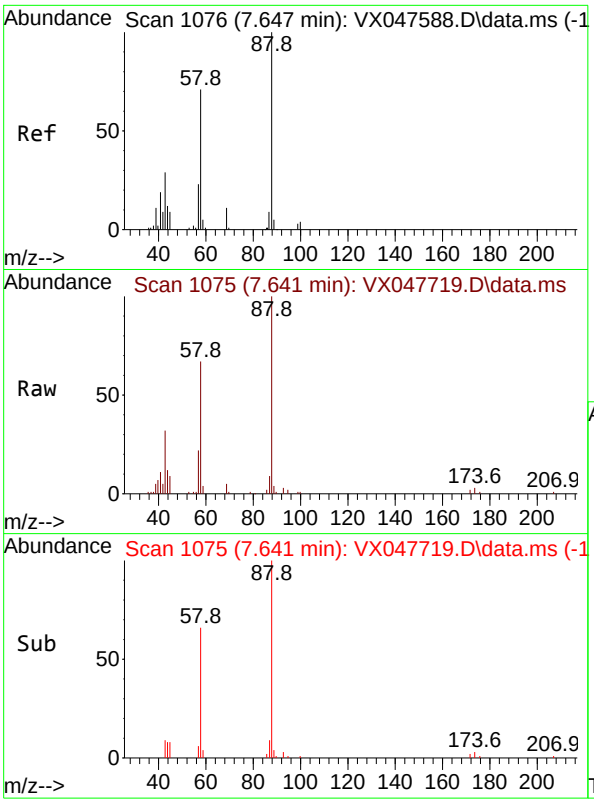




#48
Methyl methacrylate
Concen: 53.434 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 41 Resp: 121390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.4 | 61.4 | 92.2 |
| 39 | 55.8 | 45.8 | 68.6 |





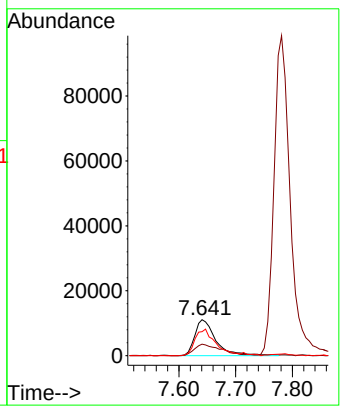

#49
1,4-Dioxane
Concen: 1254.001 ug/l
RT: 7.641 min Scan# 1

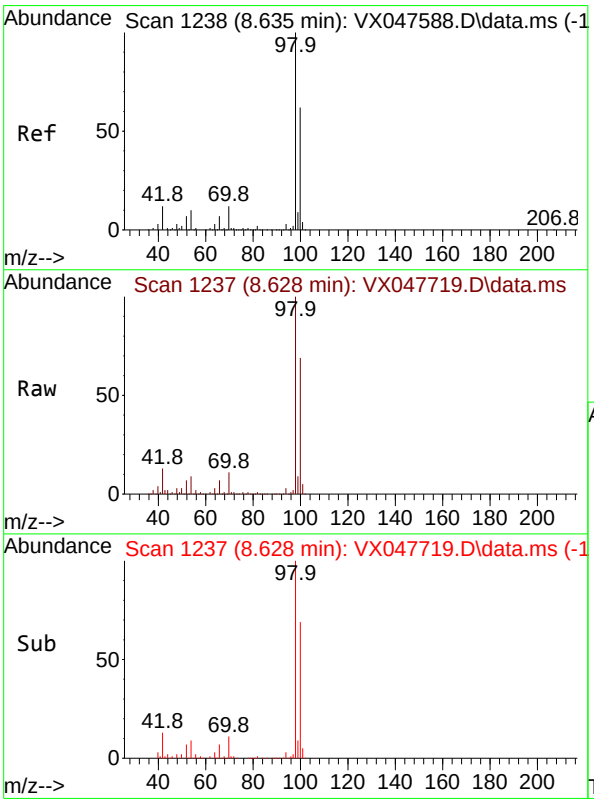
**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 88 Resp: 28790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.3 | 30.2 | 45.2 |
| 58 | 74.5 | 59.5 | 89.3 |

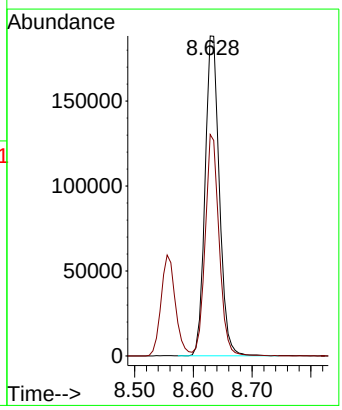


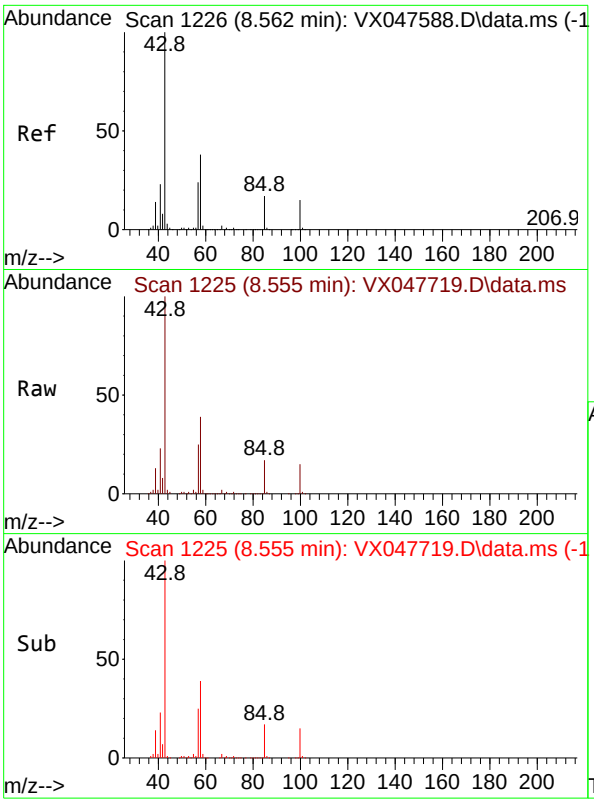




#50
Toluene-d8
Concen: 51.720 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 98 Resp: 318085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |



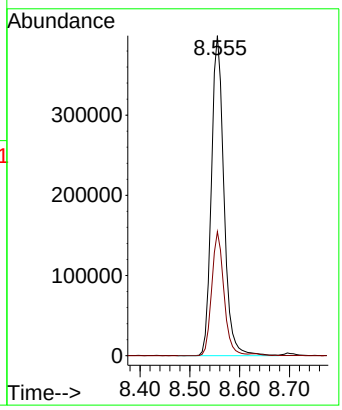


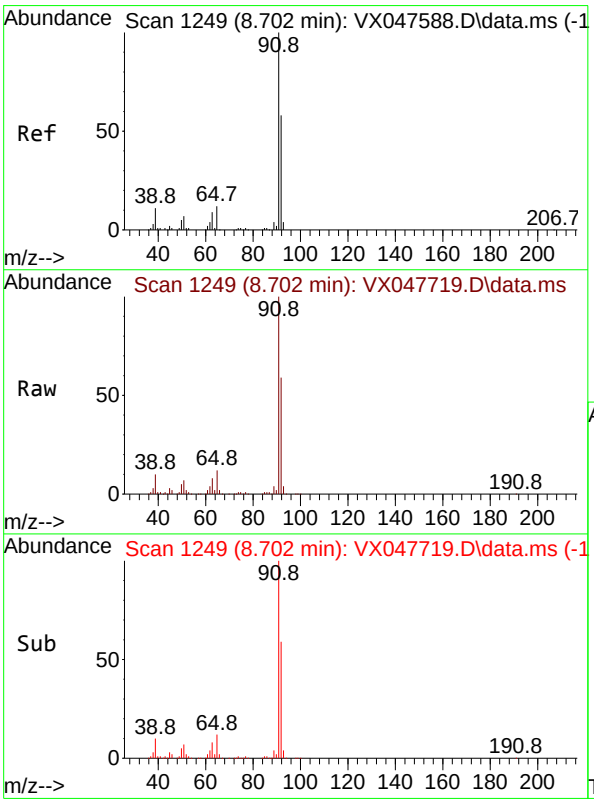

#51
4-Methyl-2-Pentanone
Concen: 275.127 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 695707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.8 | 30.3 | 45.5 |

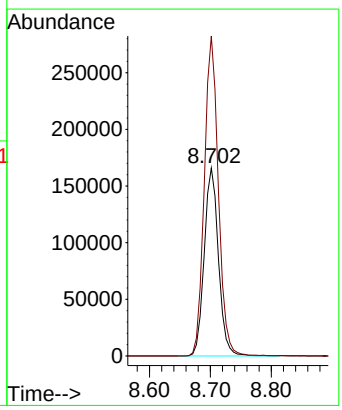


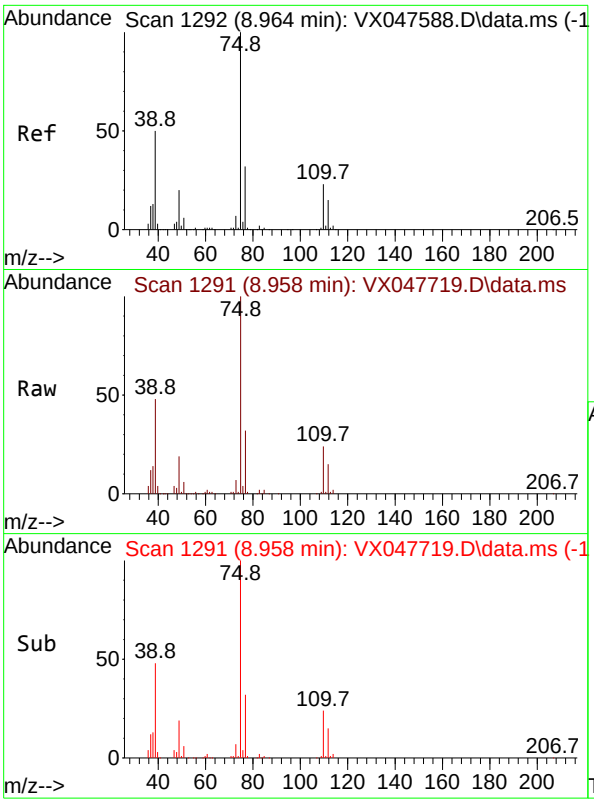




#52
Toluene
Concen: 55.411 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 92 Resp: 269293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 168.5 | 137.1 | 205.7 |



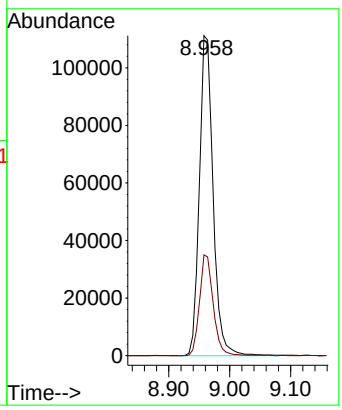


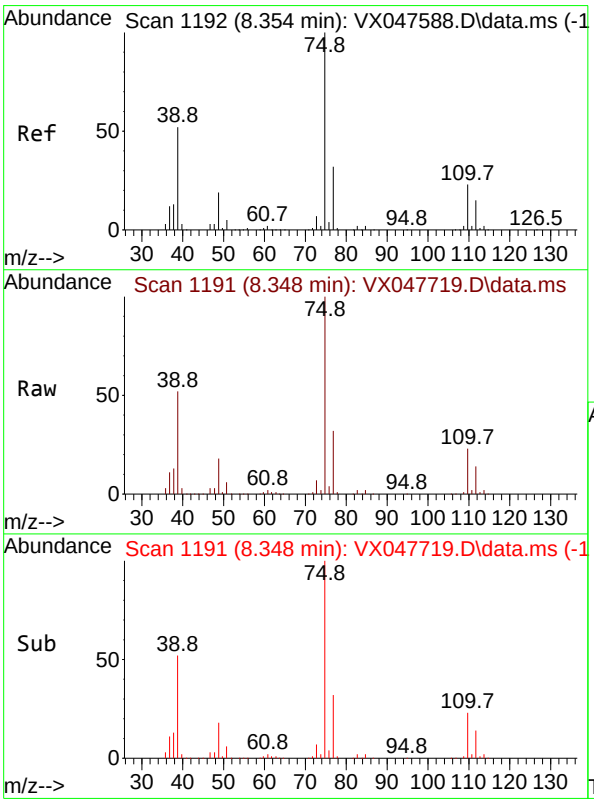

#53
t-1,3-Dichloropropene
Concen: 56.347 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 174332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.5 | 25.4 | 38.2 |

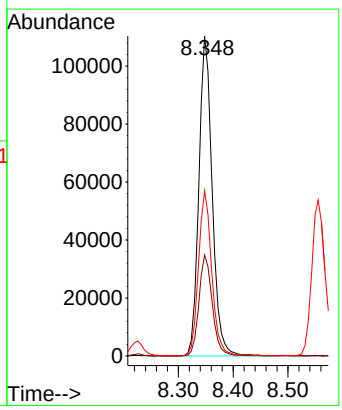


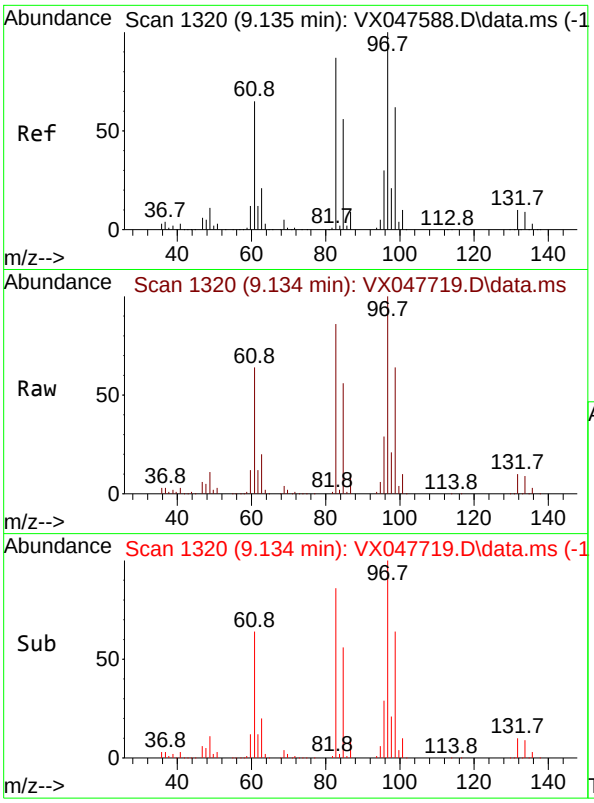




#54
cis-1,3-Dichloropropene
Concen: 56.434 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 186621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.8 | 38.6 |
| 39 | 51.5 | 41.4 | 62.2 |



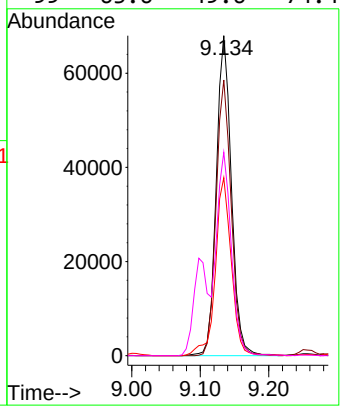


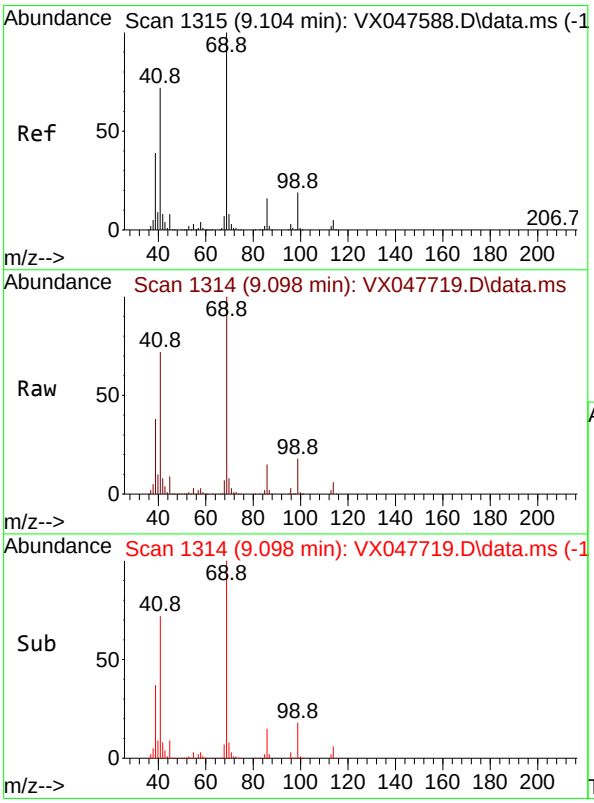

#55
1,1,2-Trichloroethane
Concen: 55.502 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 104009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 55.6 | 45.0 | 67.6 |
| 99 | 63.6 | 49.6 | 74.4 |

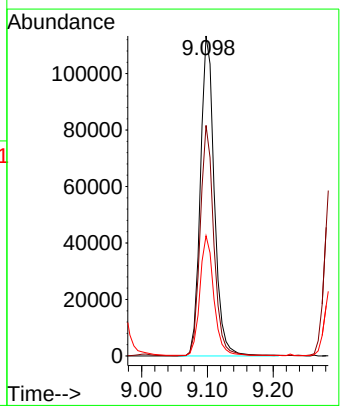


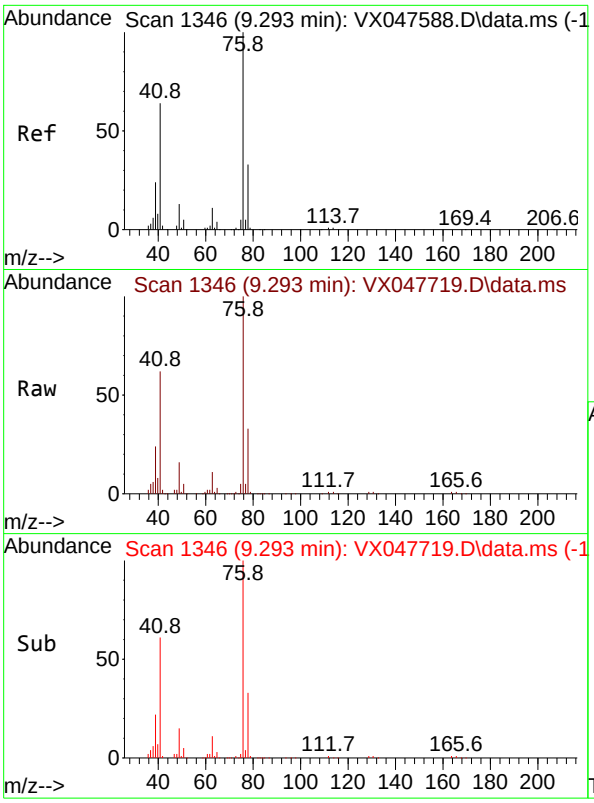




#56
Ethyl methacrylate
Concen: 56.751 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 69 Resp: 167018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 58.6 | 87.8 |
| 39 | 37.2 | 31.5 | 47.3 |



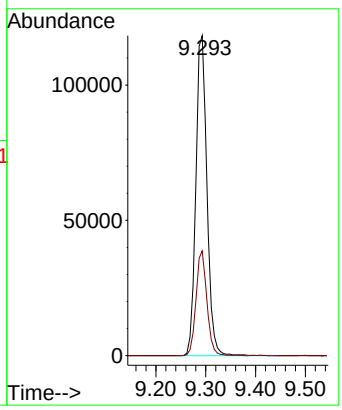


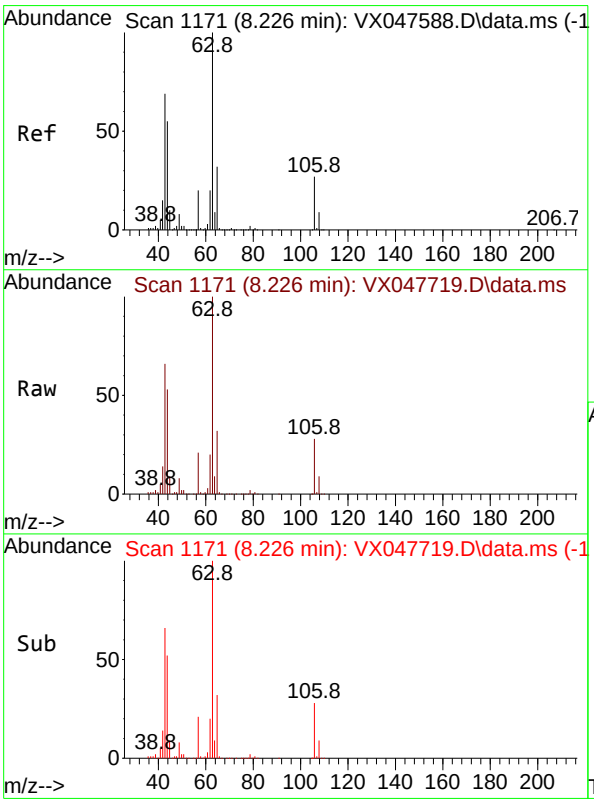

#57
1,3-Dichloropropane
Concen: 56.707 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 182551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |

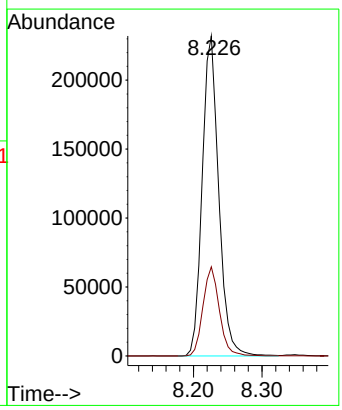


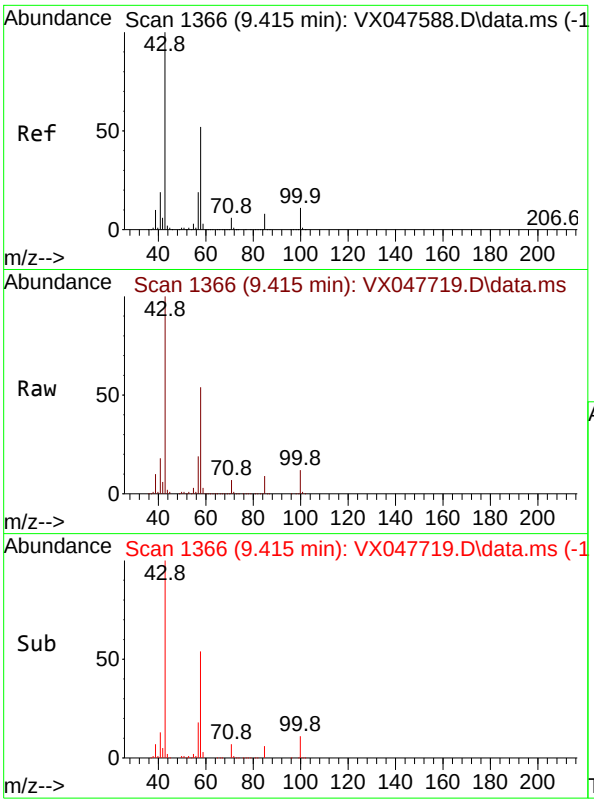




#58
2-Chloroethyl Vinyl ether
Concen: 274.956 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 63 Resp: 389211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.6 | 21.9 | 32.9 |



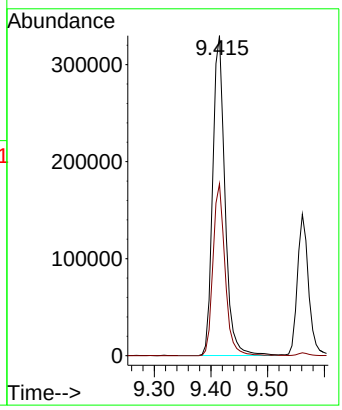


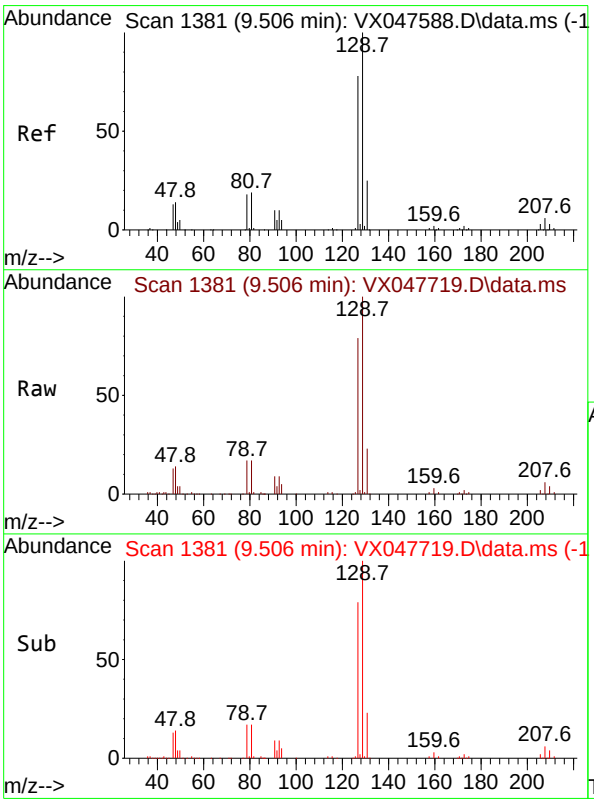

#59
2-Hexanone
Concen: 272.845 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 495514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 26.1 | 78.2 |

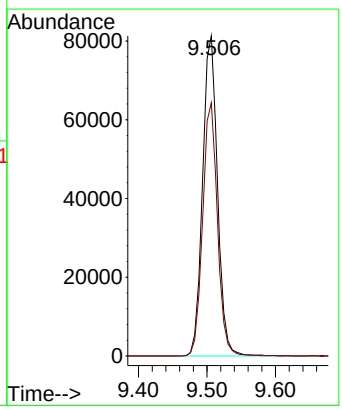


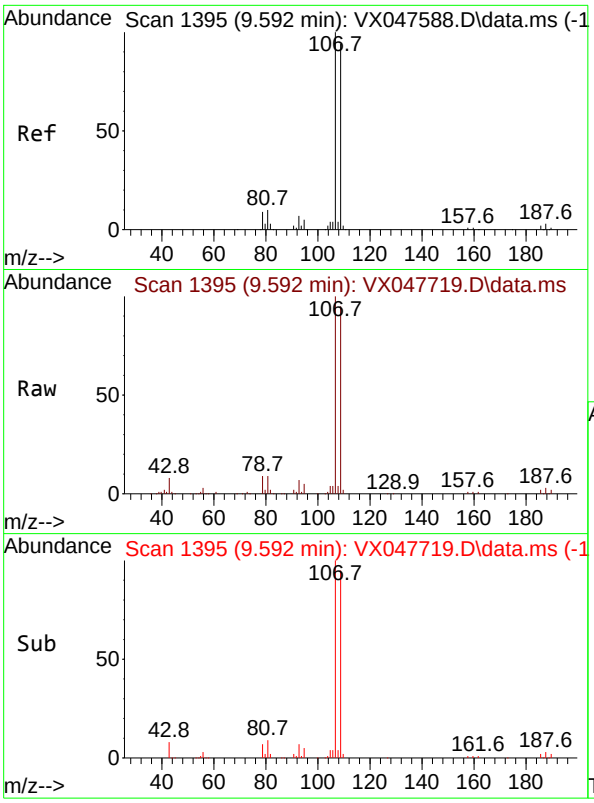




#60
Dibromochloromethane
Concen: 56.997 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:129 Resp: 123071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.6 | 38.4 | 115.2 |



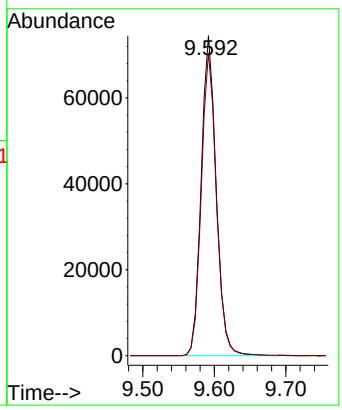


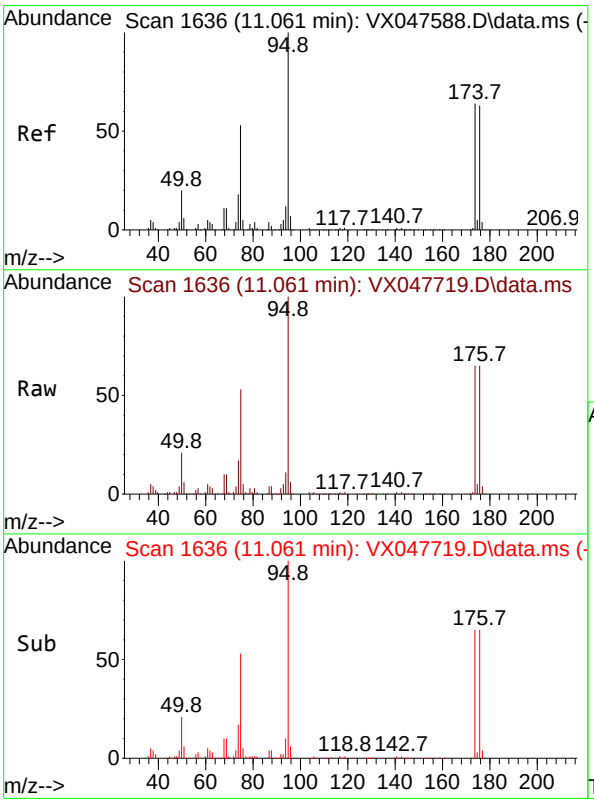

#61
1,2-Dibromoethane
Concen: 56.870 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 108549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.2 | 75.3 | 112.9 |

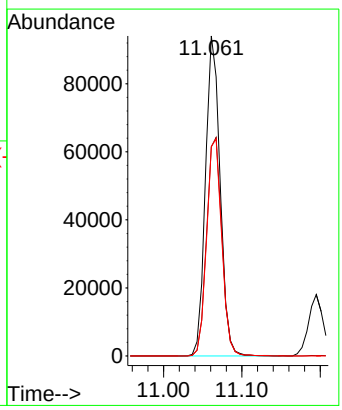


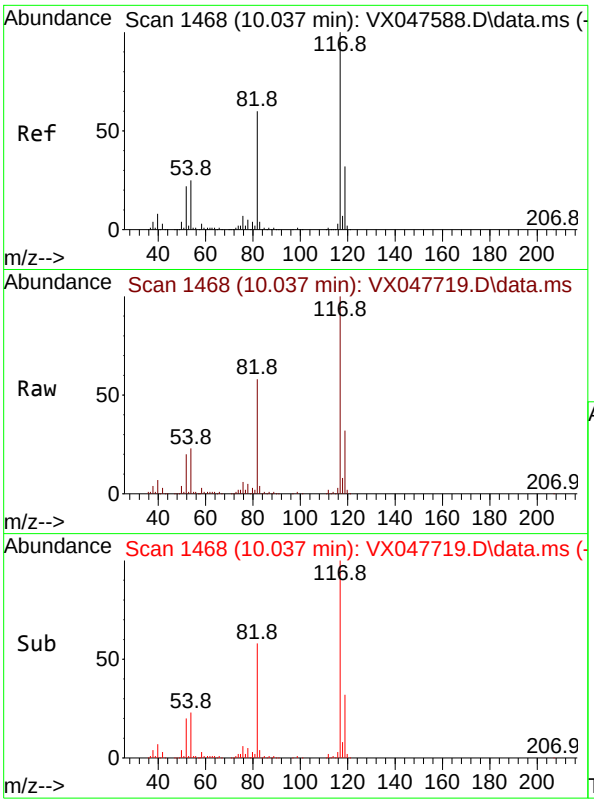




#62
4-Bromofluorobenzene
Concen: 52.073 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 95 Resp: 121543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.3 | 0.0 | 141.6 |
| 176 | 70.0 | 0.0 | 138.4 |



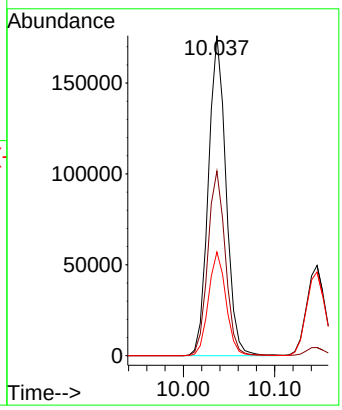


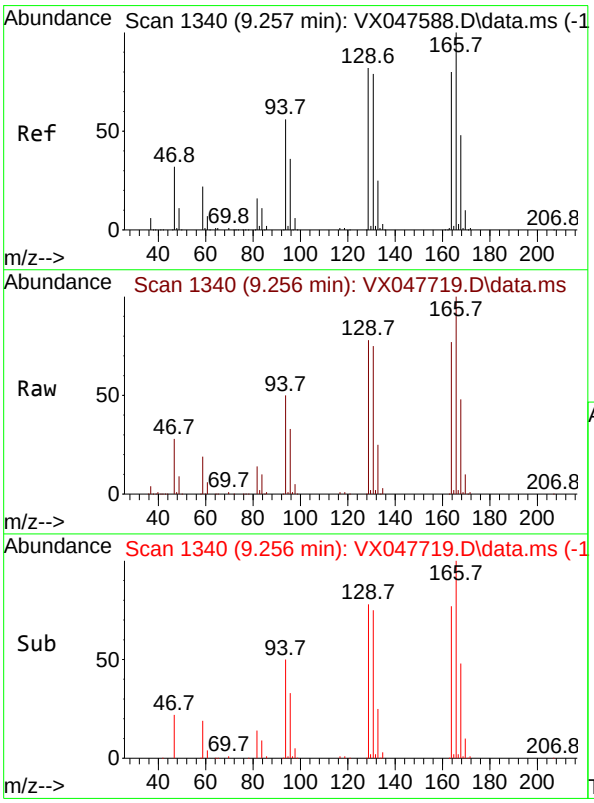

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 235703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 47.8 | 71.6 |
| 119 | 32.4 | 25.2 | 37.8 |

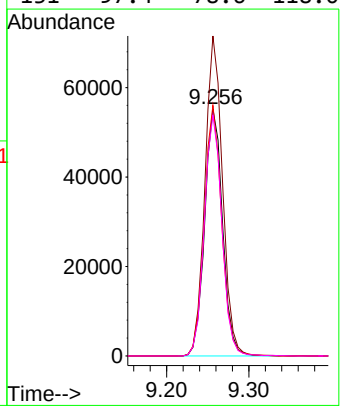


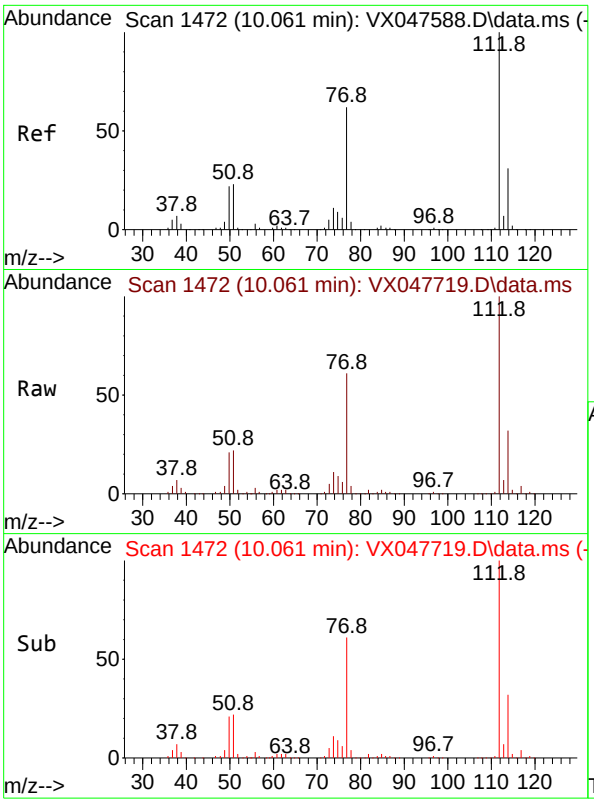




#64
Tetrachloroethene
Concen: 54.167 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:164 Resp: 83230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.5 | 100.2 | 150.2 |
| 129 | 101.4 | 81.8 | 122.6 |
| 131 | 97.4 | 78.6 | 118.0 |



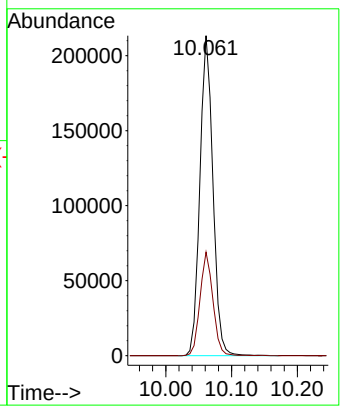


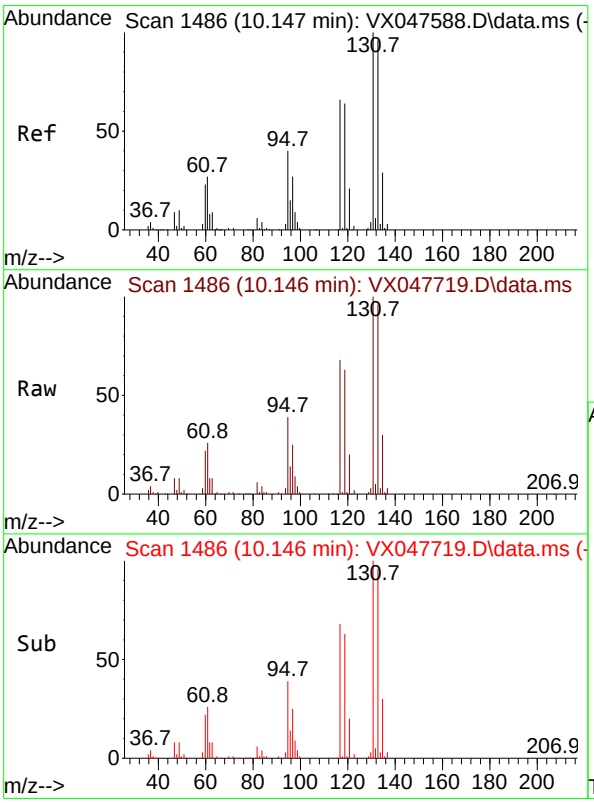

#65
Chlorobenzene
Concen: 54.848 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 293695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.4 | 25.1 | 37.7 |

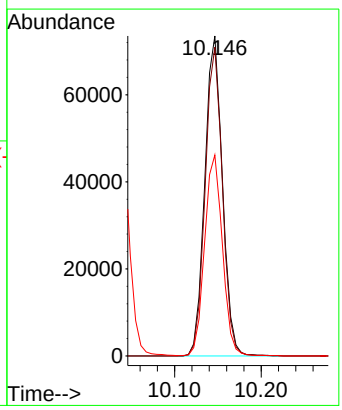


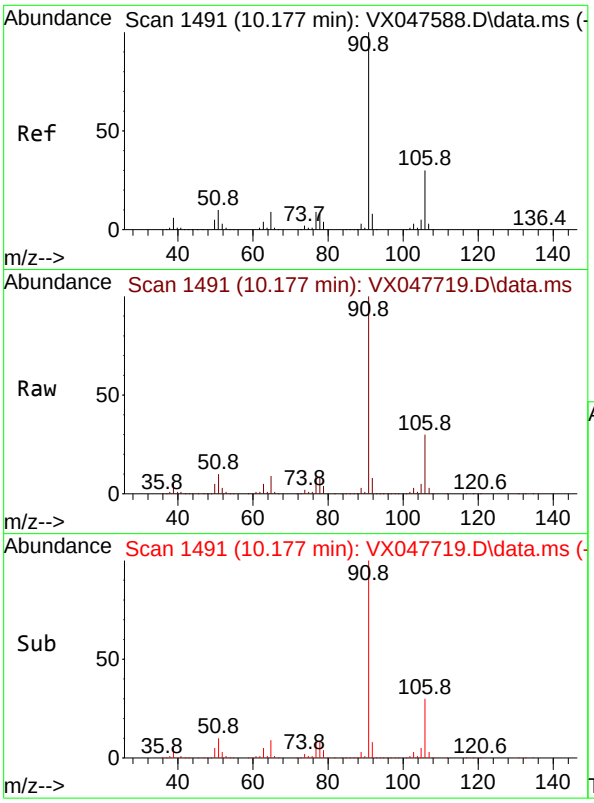




#66
1,1,1,2-Tetrachloroethane
Concen: 56.149 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:131 Resp: 103750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 142.0 |
| 119 | 63.7 | 32.0 | 96.0 |



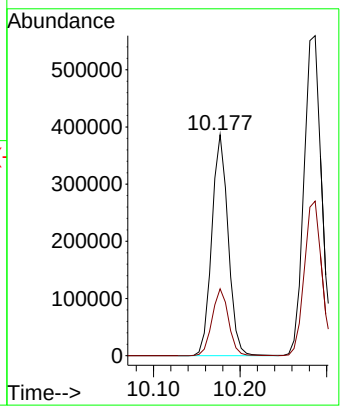


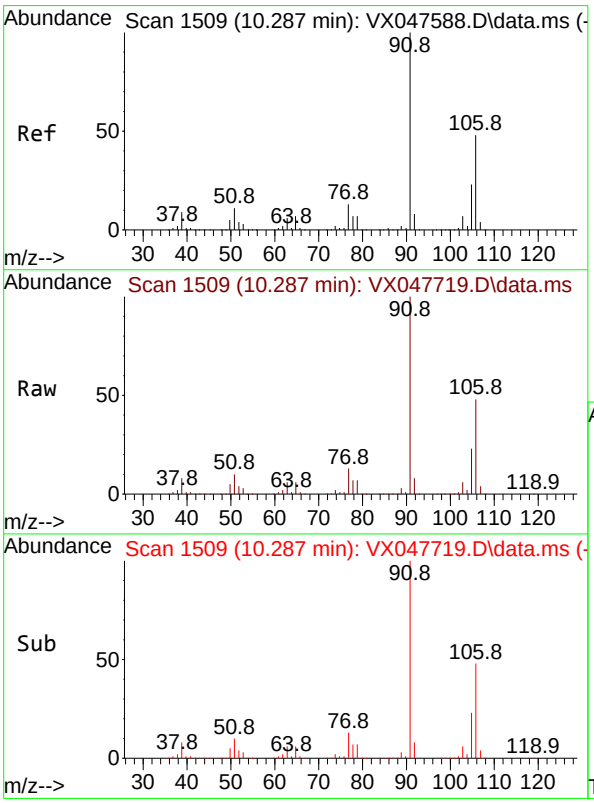

#67
Ethyl Benzene
Concen: 54.859 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 506854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |

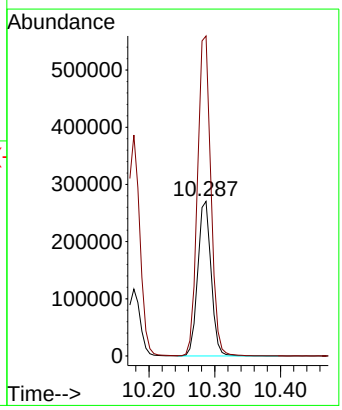


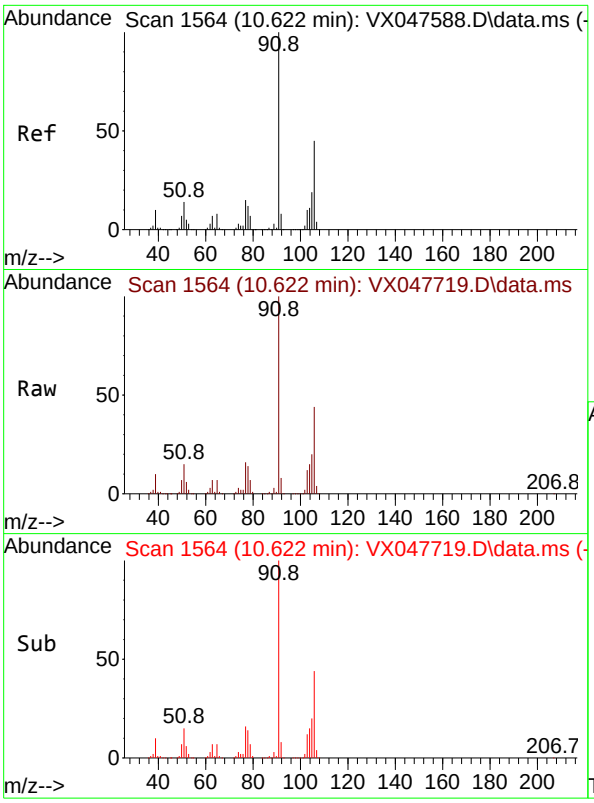




#68
m/p-Xylenes
Concen: 110.636 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:106 Resp: 380464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.3 | 167.8 | 251.8 |



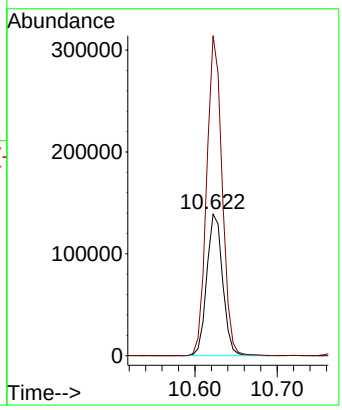


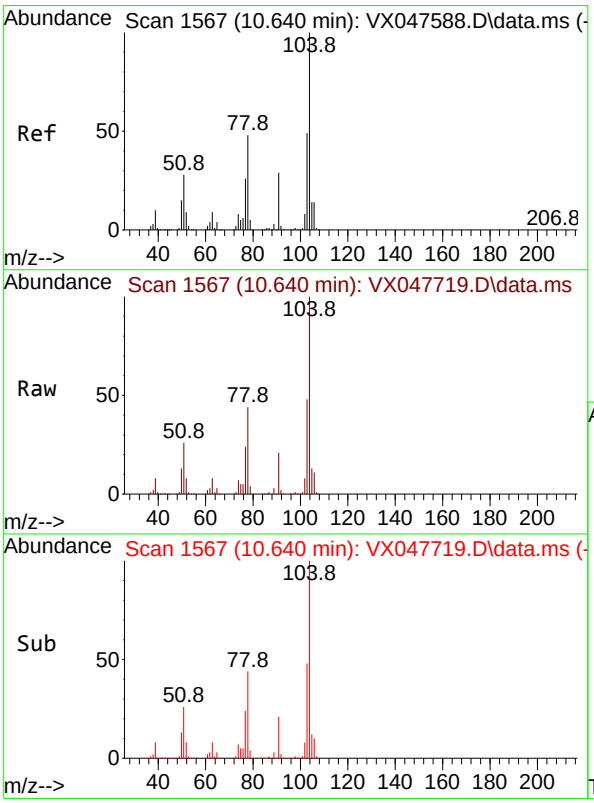

#69
o-Xylene
Concen: 55.967 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 186157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.1 | 111.1 | 333.4 |

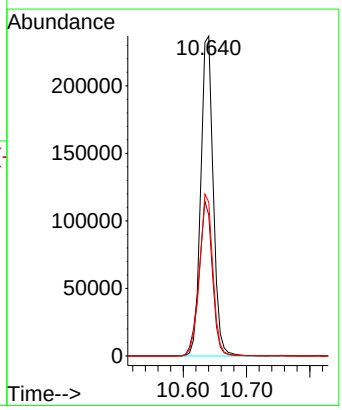


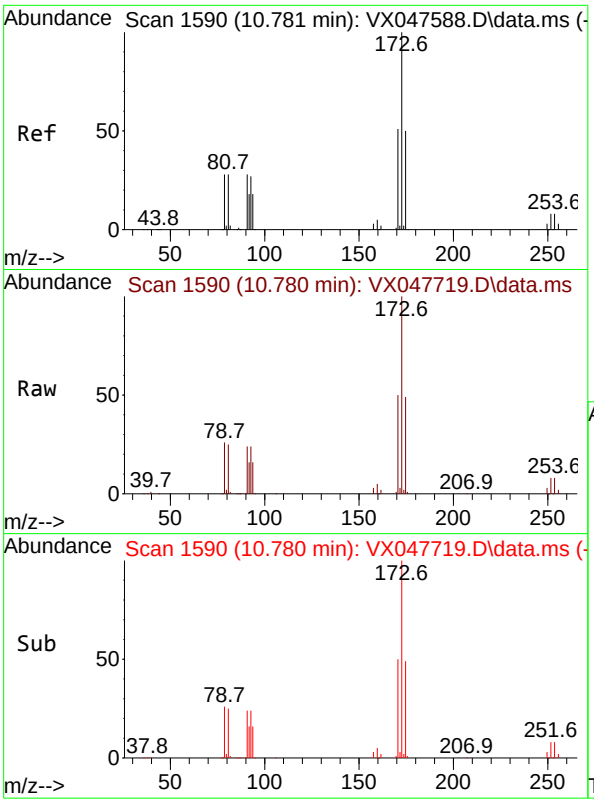




#70
Styrene
Concen: 55.888 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:104 Resp: 325724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 43.1 | 64.7 |
| 103 | 54.2 | 43.1 | 64.7 |



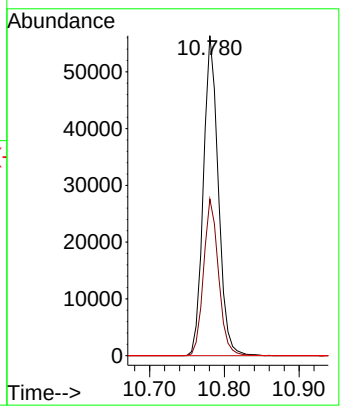


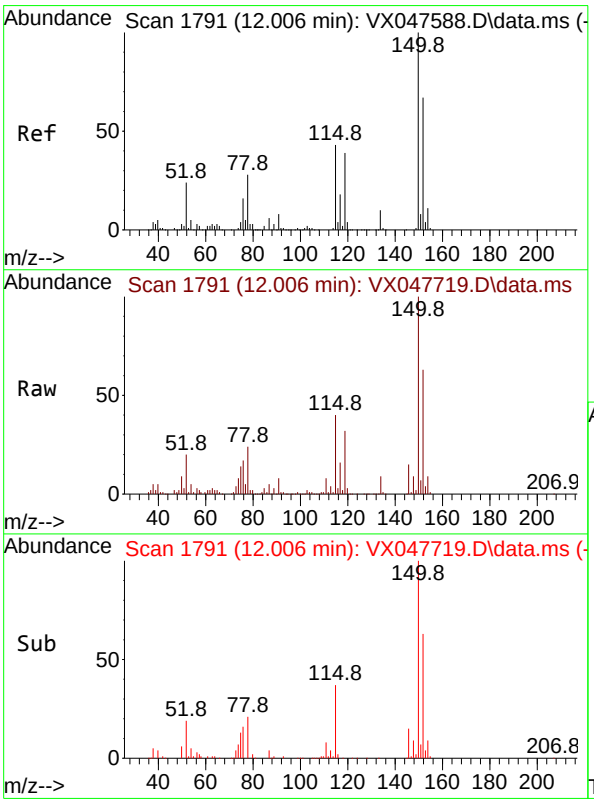

#71
Bromoform
Concen: 56.699 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 78229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.0 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

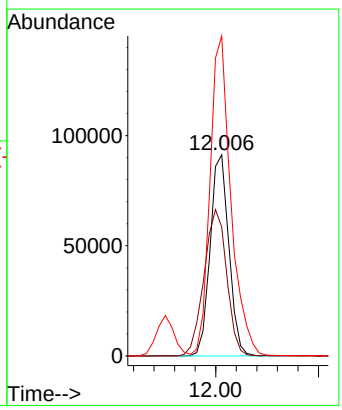


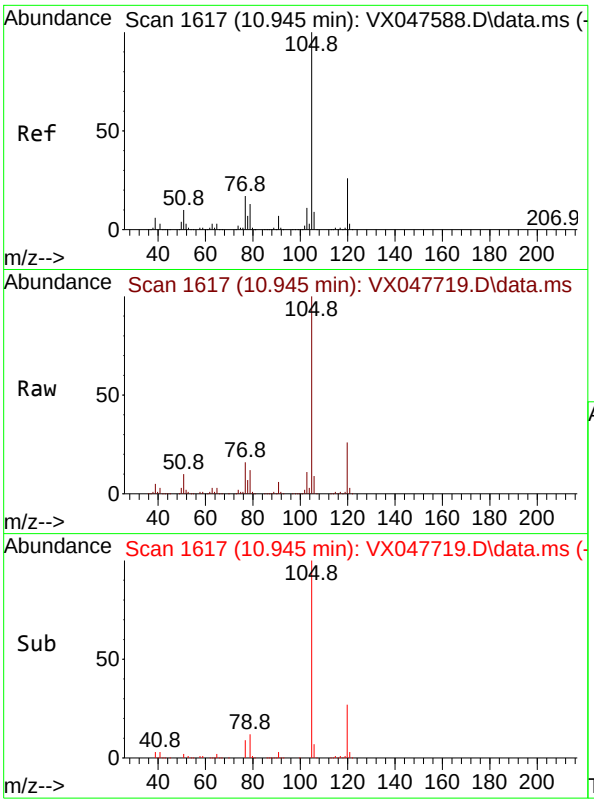




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:152 Resp: 115061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 88.5 | 44.9 | 134.5 |
| 150 | 177.7 | 0.0 | 352.0 |



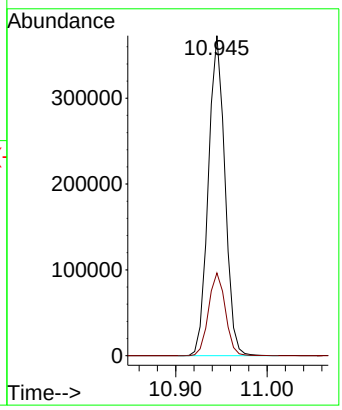


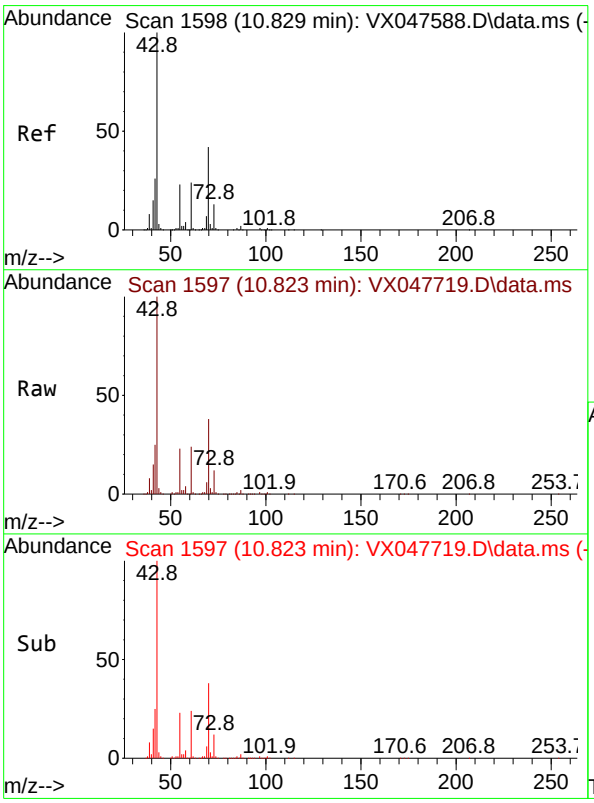

#73
Isopropylbenzene
Concen: 53.558 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 468503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.2 | 12.8 | 38.4 |

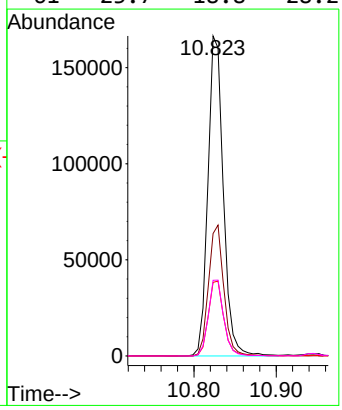


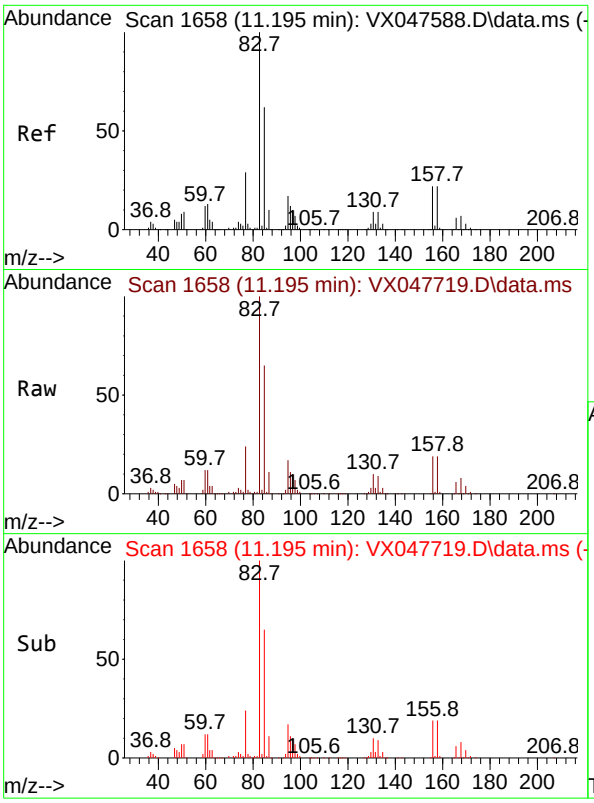




#74
N-amyl acetate
Concen: 54.388 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 43 Resp: 216957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.7 | 18.8 | 28.2 |



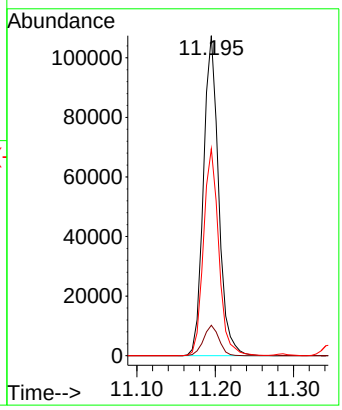


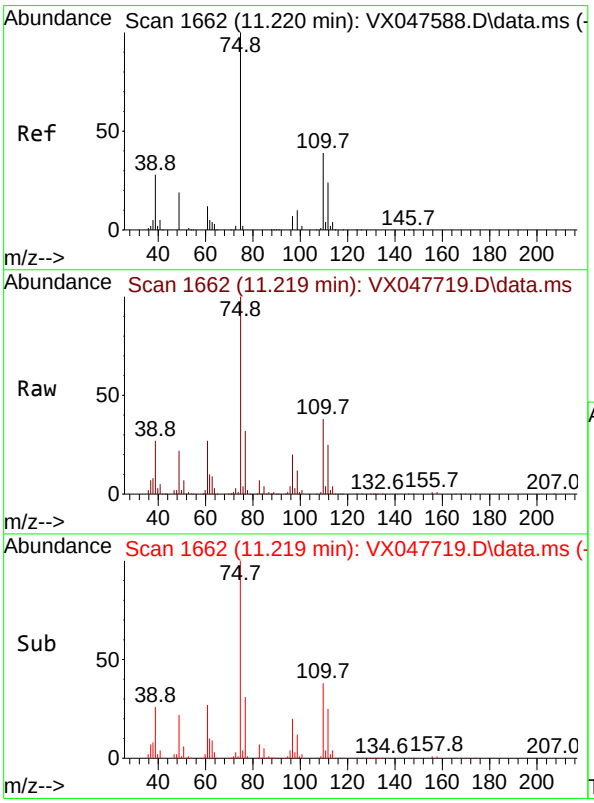

#75
1,1,2,2-Tetrachloroethane
Concen: 54.463 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 144143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 65.2 | 31.6 | 95.0 |

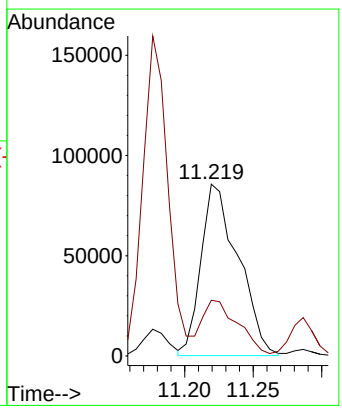


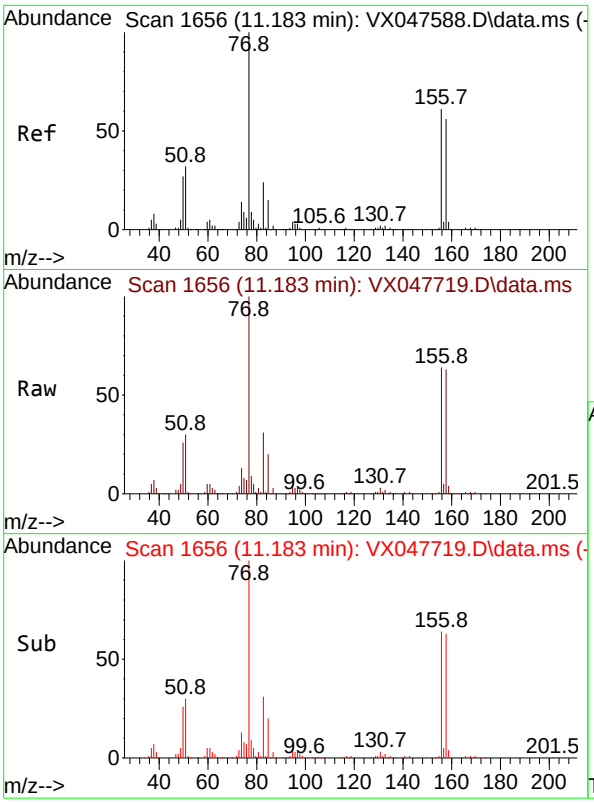




#76
1,2,3-Trichloropropane
Concen: 69.616 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 162179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.6 | 18.8 | 56.4 |



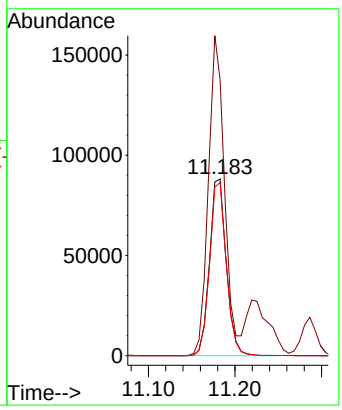


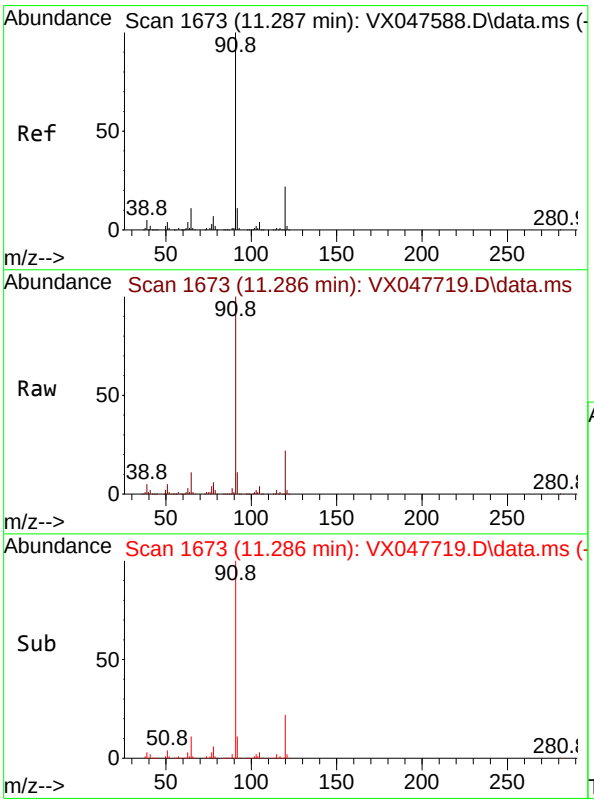

#77
Bromobenzene
Concen: 54.994 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 118485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 171.8 | 89.7 | 269.1 |
| 158 | 97.5 | 47.9 | 143.6 |

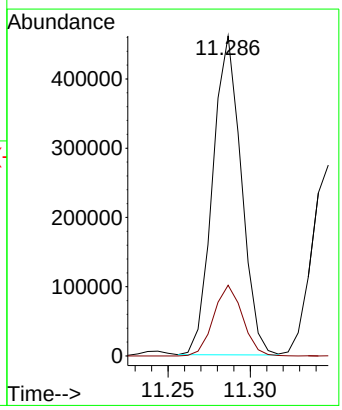


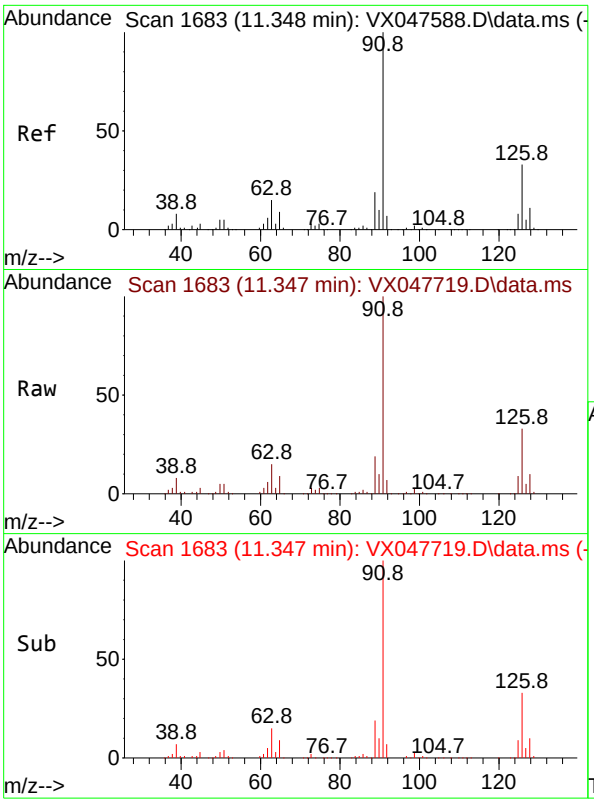




#78
n-propylbenzene
Concen: 53.923 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 557613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |



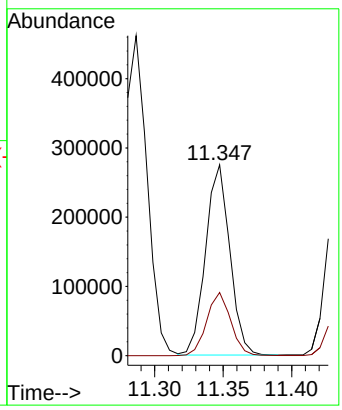


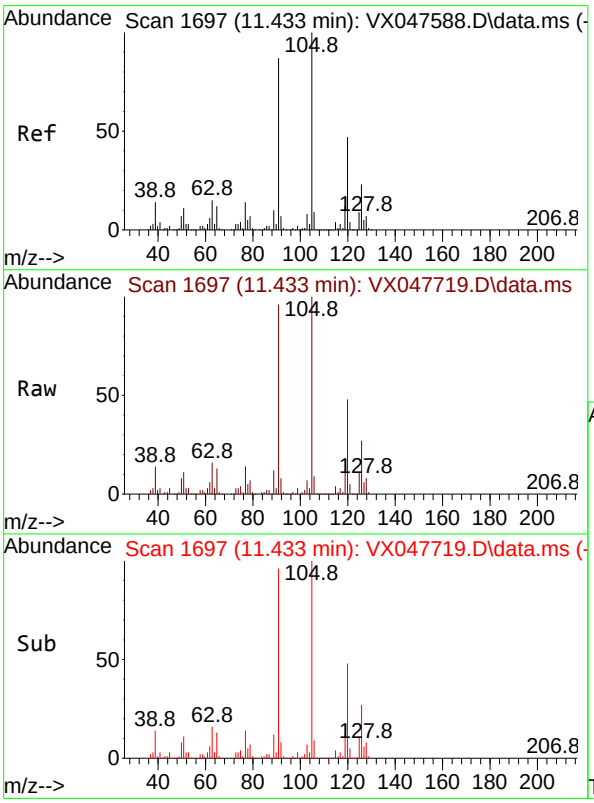

#79
2-Chlorotoluene
Concen: 53.352 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 337904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.1 | 16.1 | 48.3 |

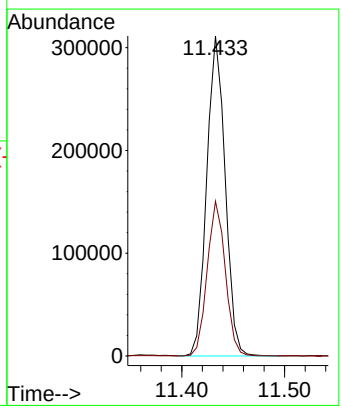


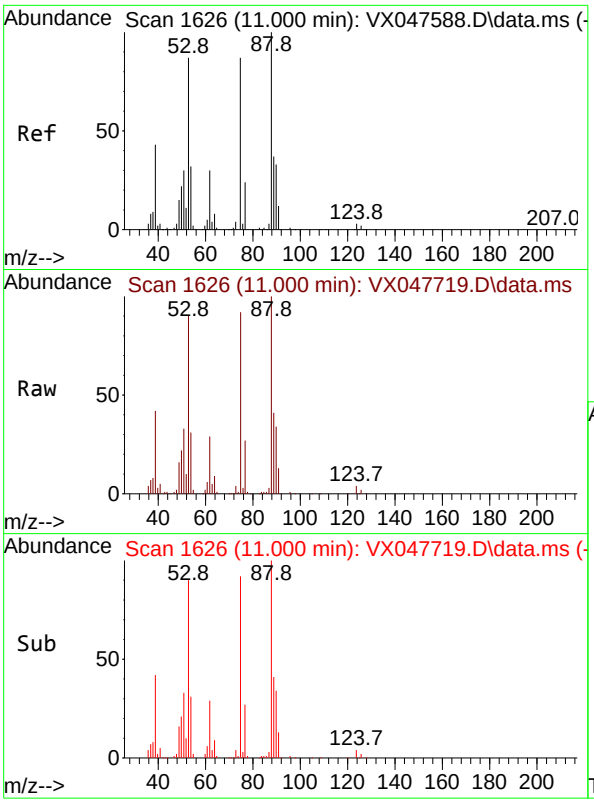




#80
1,3,5-Trimethylbenzene
Concen: 53.867 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 387138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.6 | 23.6 | 70.8 |



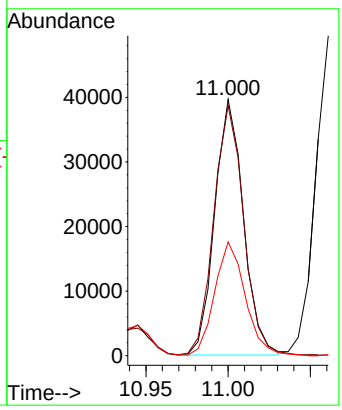


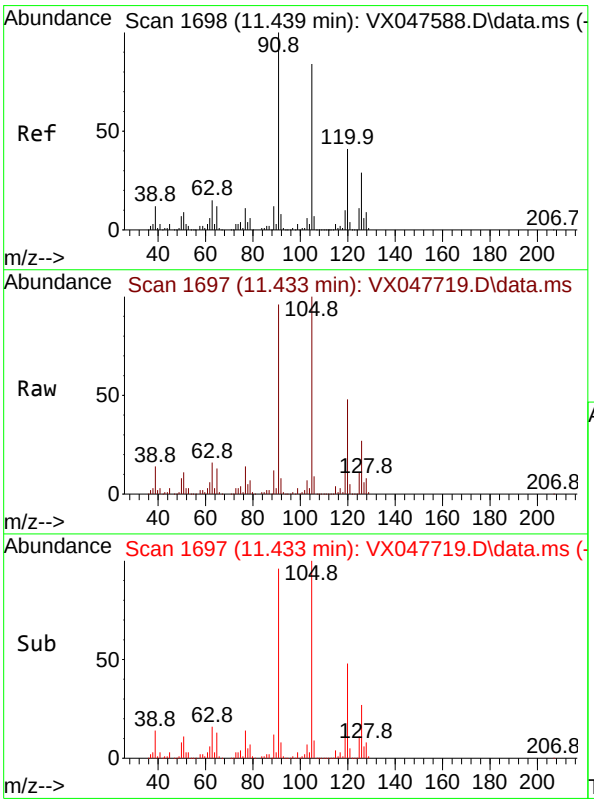

#81
trans-1,4-Dichloro-2-butene
Concen: 52.569 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 48023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.5 | 83.4 | 125.2 |
| 89 | 47.5 | 36.3 | 54.5 |

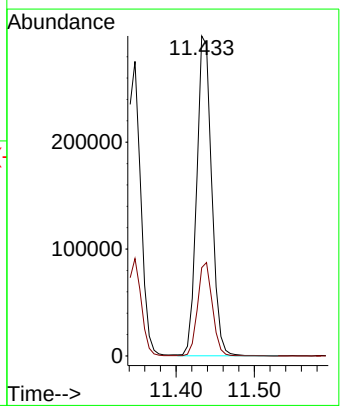


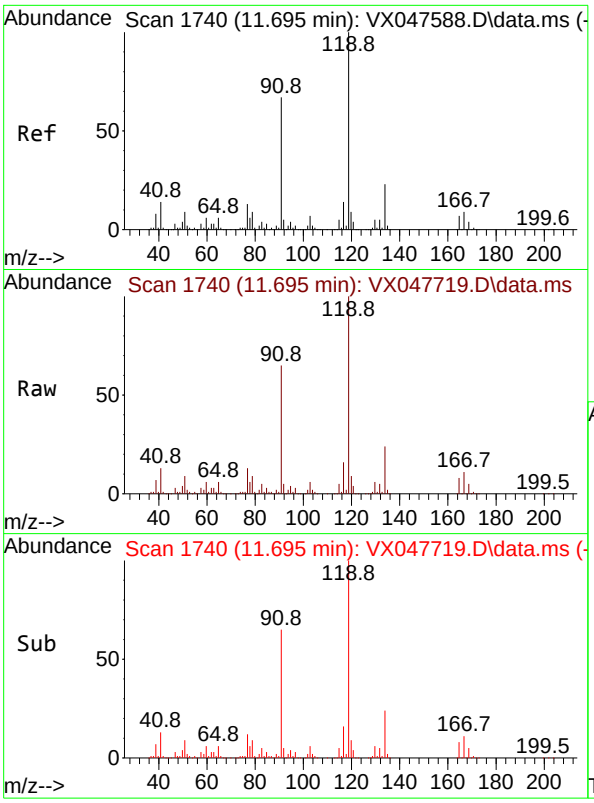




#82
4-Chlorotoluene
Concen: 53.035 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 91 Resp: 396717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.2 | 42.6 |



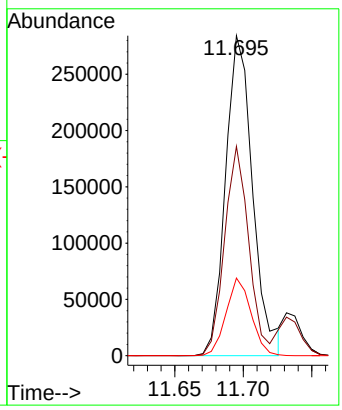


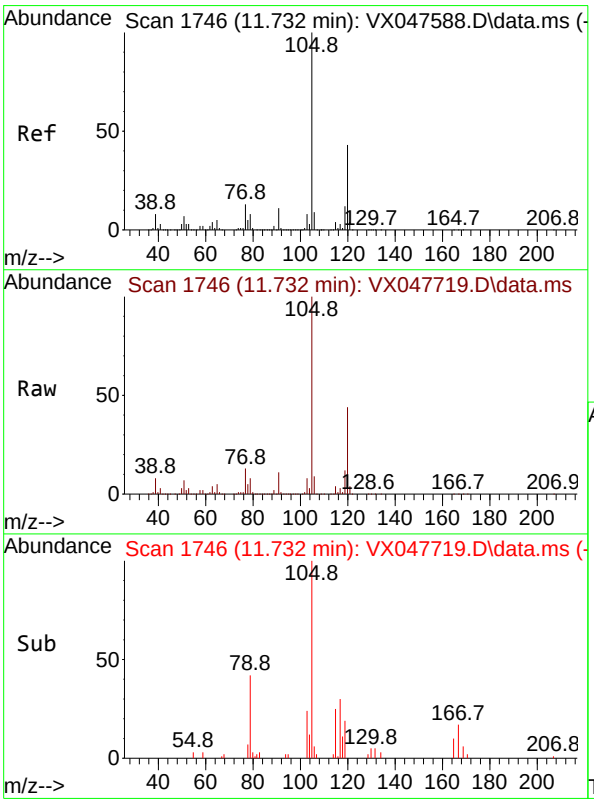

#83
tert-Butylbenzene
Concen: 53.095 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 390632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.5 | 29.6 | 88.8 |
| 134 | 22.4 | 11.0 | 33.0 |

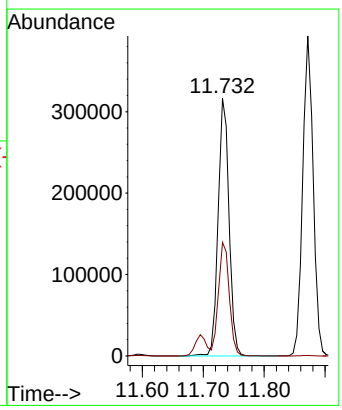


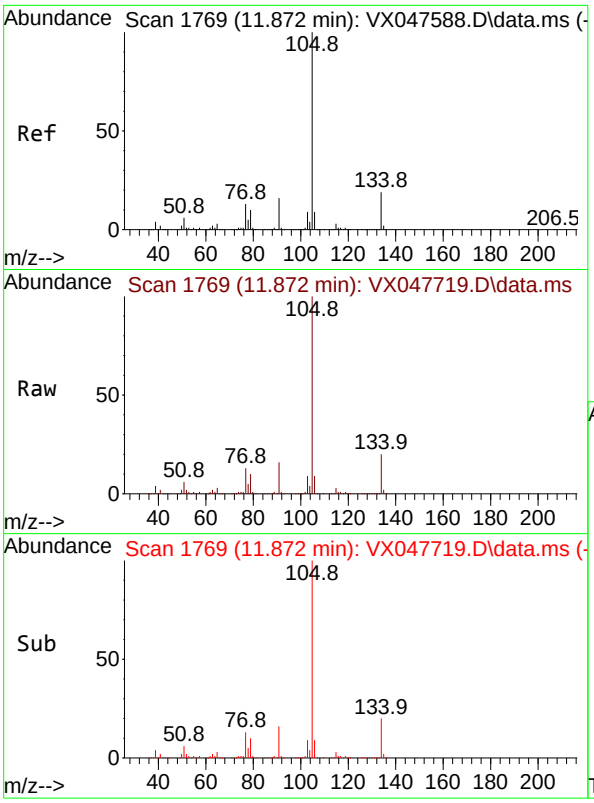




#84
1,2,4-Trimethylbenzene
Concen: 54.142 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:105 Resp: 394502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.1 |



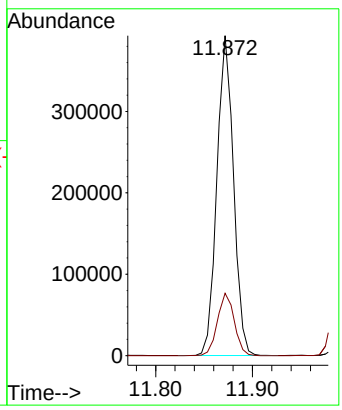


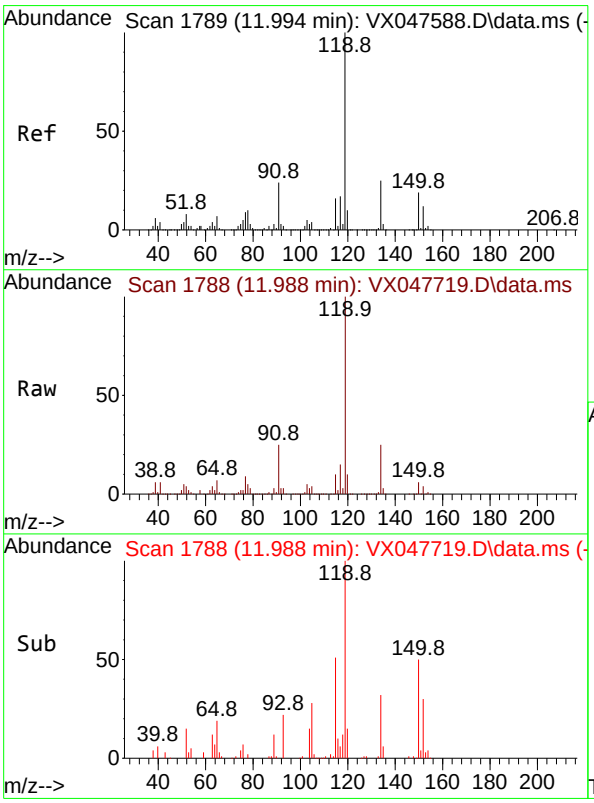

#85
sec-Butylbenzene
Concen: 53.598 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 468381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.5 |

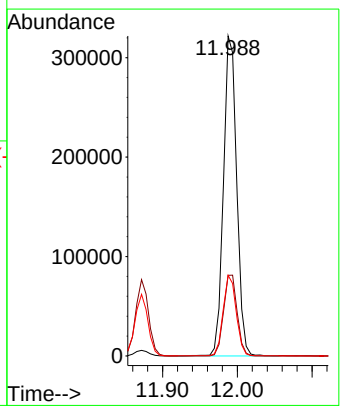


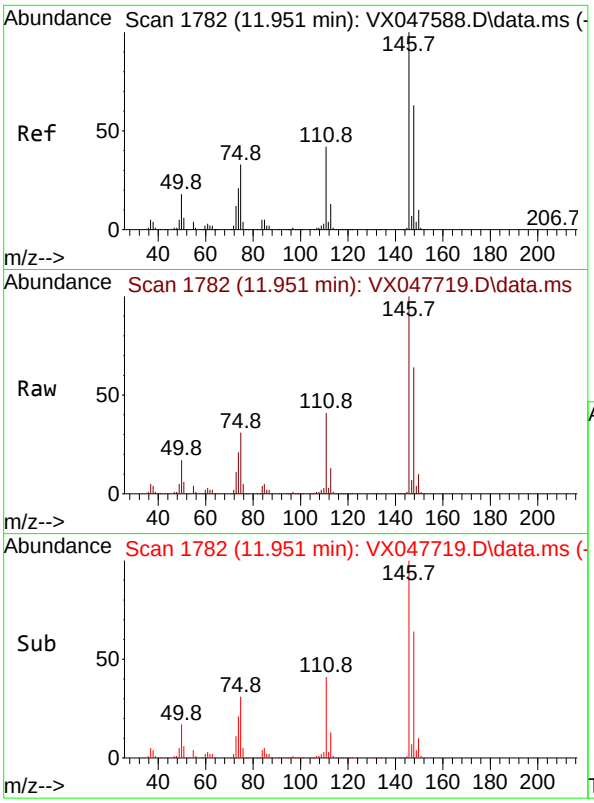




#86
p-Isopropyltoluene
Concen: 53.461 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:119 Resp: 395524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.9 | 12.6 | 37.8 |
| 91 | 24.8 | 12.6 | 37.6 |



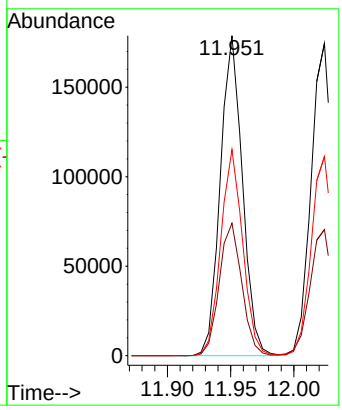


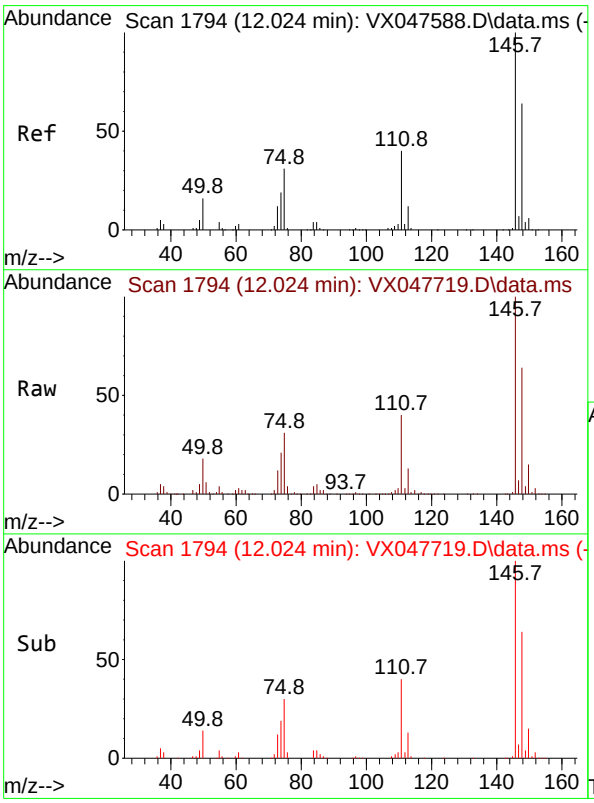

#87
1,3-Dichlorobenzene
Concen: 54.263 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 217150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.2 | 21.5 | 64.5 |
| 148 | 64.0 | 32.0 | 96.0 |

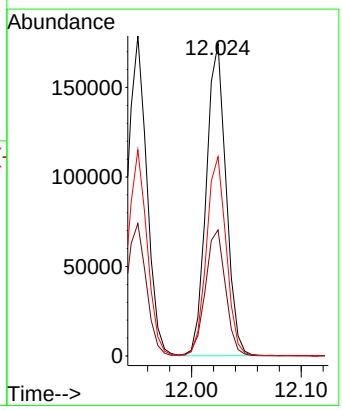


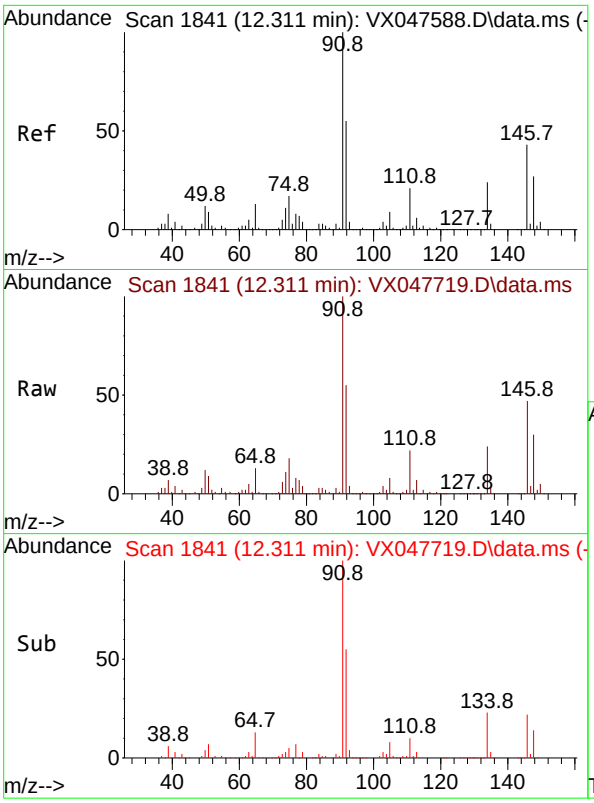




#88
1,4-Dichlorobenzene
Concen: 53.031 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:146 Resp: 217807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.4 | 20.8 | 62.4 |
| 148 | 64.0 | 31.7 | 95.1 |



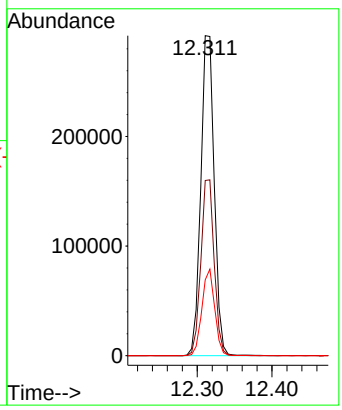


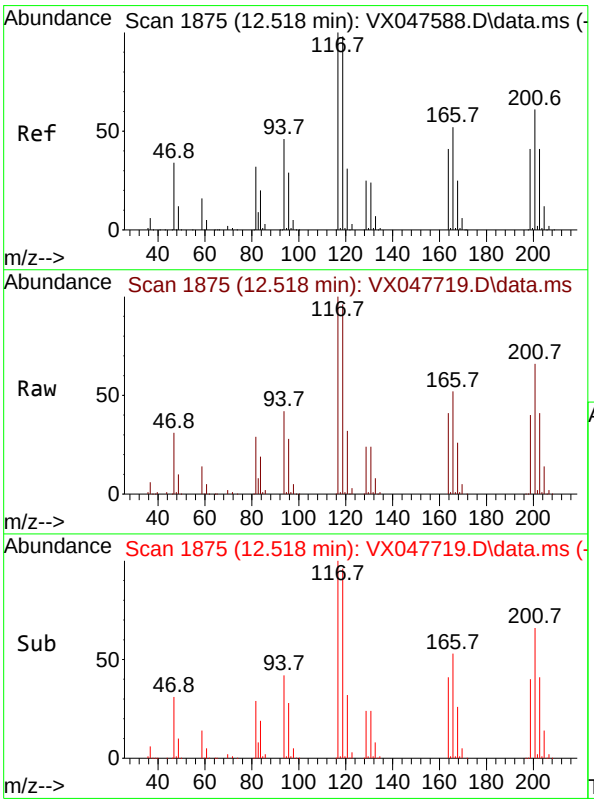

#89
n-Butylbenzene
Concen: 53.292 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 364819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.6 | 27.6 | 82.7 |
| 134 | 25.7 | 12.6 | 37.8 |

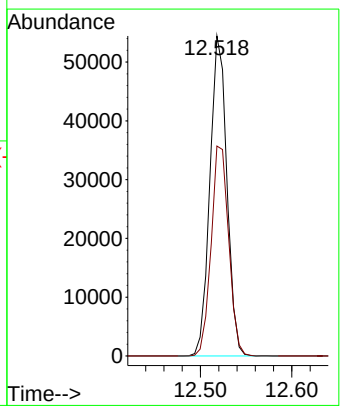


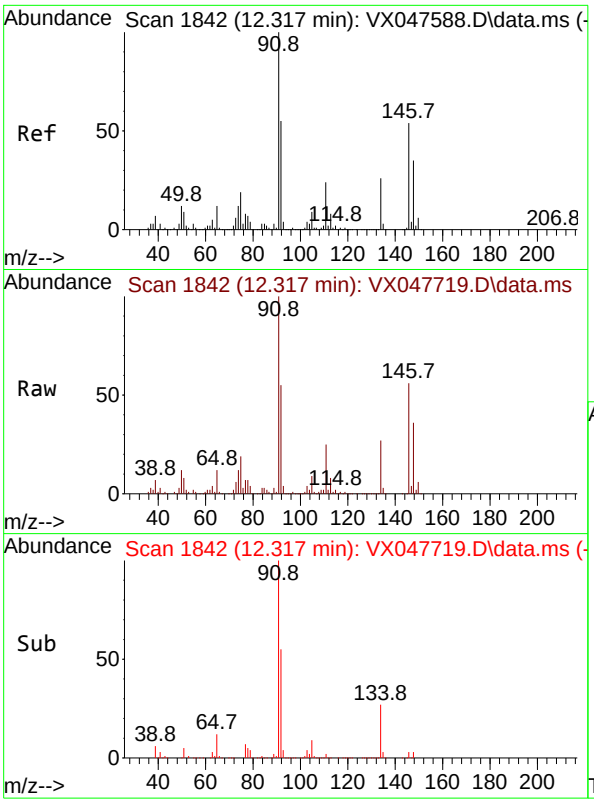




#90
Hexachloroethane
Concen: 53.956 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:117 Resp: 70085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 34.2 | 102.5 |



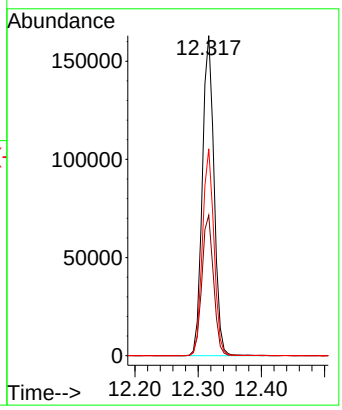


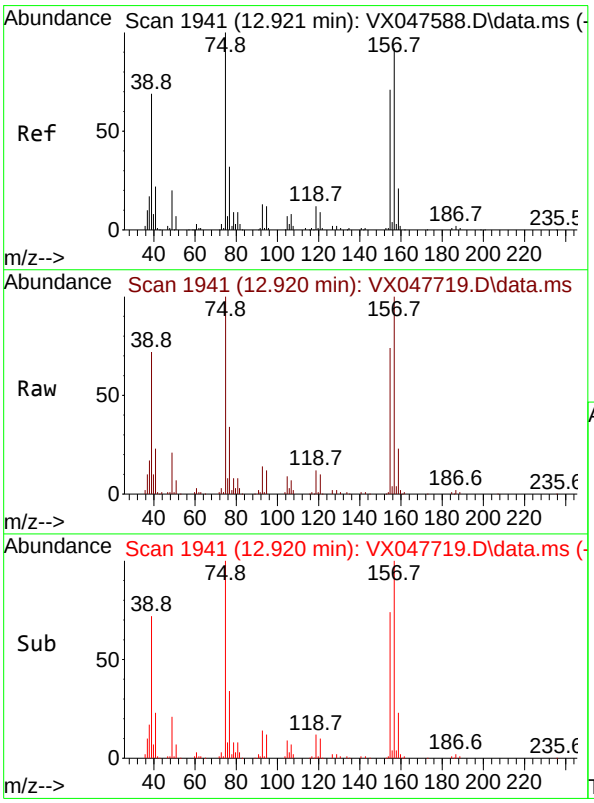

#91
1,2-Dichlorobenzene
Concen: 55.091 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 210035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |

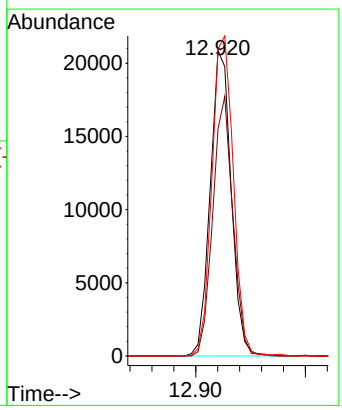


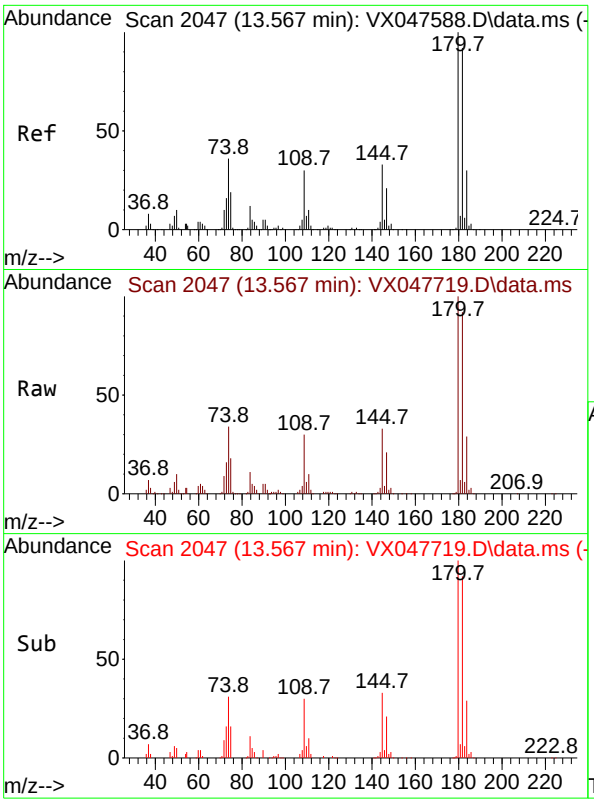




#92
1,2-Dibromo-3-Chloropropane
Concen: 51.656 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion: 75 Resp: 27679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 81.6 | 37.7 | 113.1 |
| 157 | 107.5 | 49.8 | 149.4 |



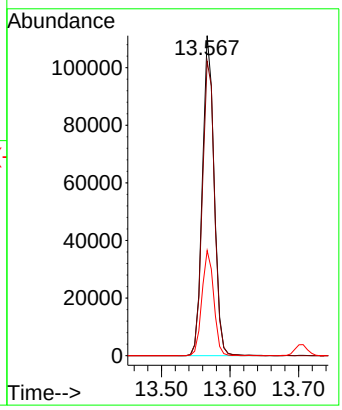


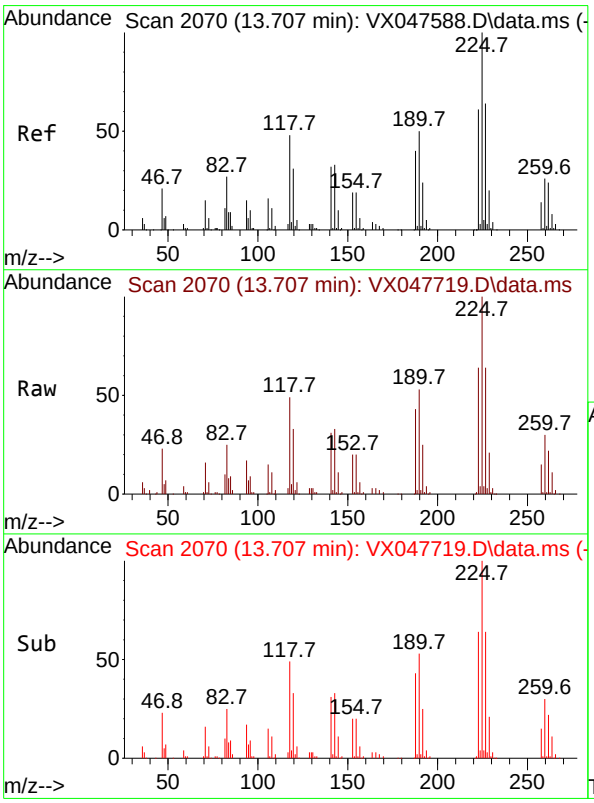

#93
1,2,4-Trichlorobenzene
Concen: 53.421 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 132366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.3 | 46.6 | 139.8 |
| 145 | 33.1 | 16.4 | 49.1 |

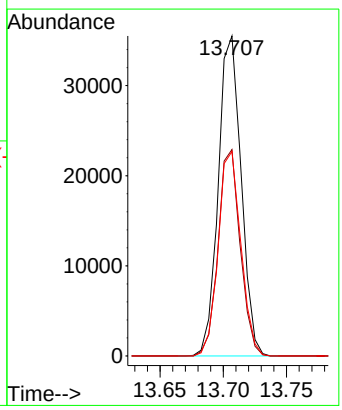


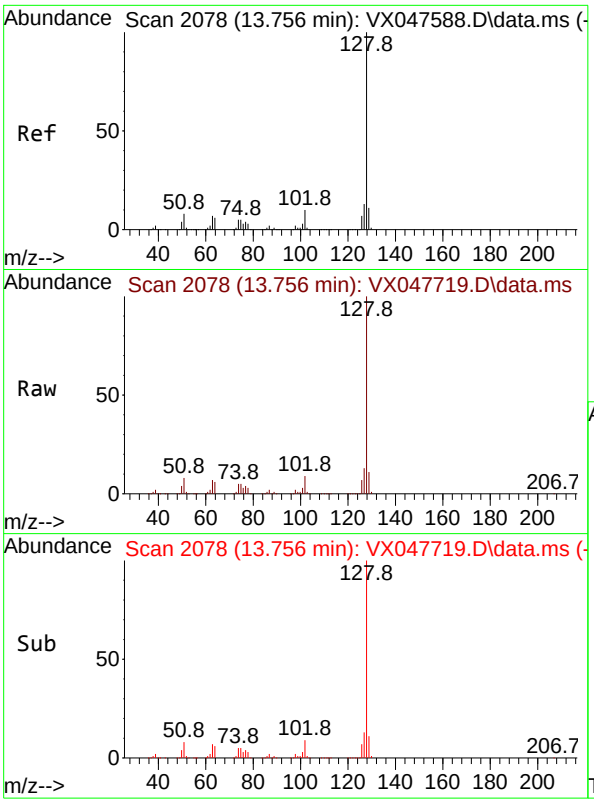




#94
Hexachlorobutadiene
Concen: 52.946 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:225 Resp: 44561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.3 | 31.7 | 95.1 |
| 227 | 63.2 | 32.0 | 96.0 |



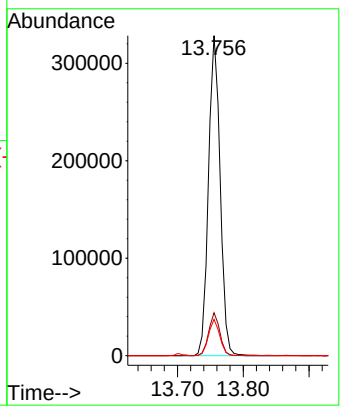


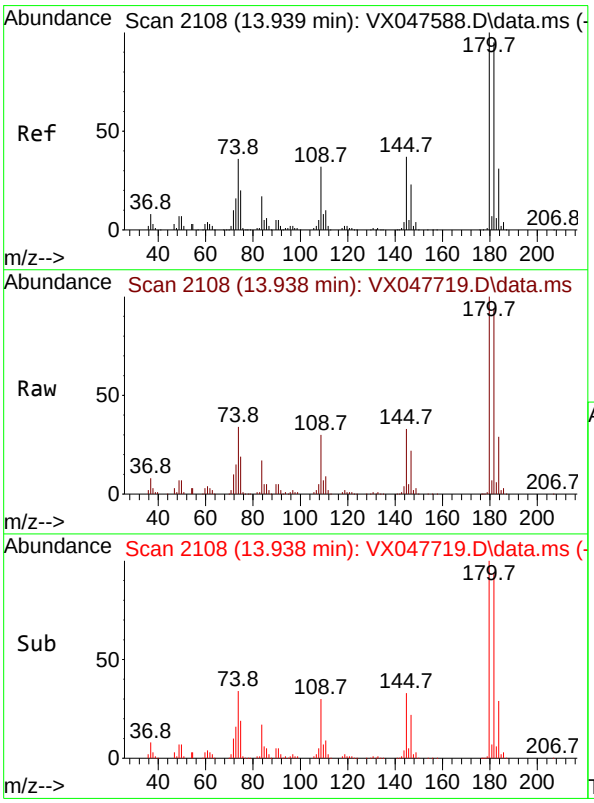

#95
Naphthalene
Concen: 53.744 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 405500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.8 | 10.2 | 15.2 |
| 129 | 11.0 | 8.8 | 13.2 |

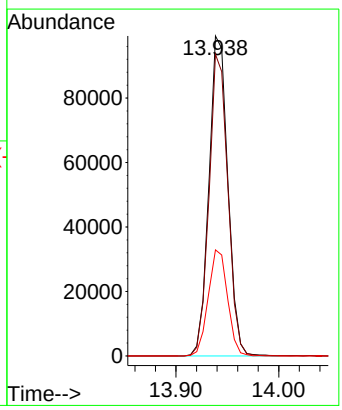



#96
1,2,3-Trichlorobenzene
Concen: 55.060 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047719.D
Acq: 23 Sep 2025 09:02

Tgt Ion:180 Resp: 126908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.8 | 47.6 | 142.8 |
| 145 | 33.8 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 181787 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 322664 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 289792 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 141661 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 130163 | 44.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 89.960% | | | |
| 35) Dibromofluoromethane | 5.367 | 113 | 99865 | 46.149 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 92.300% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 347178 | 46.366 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 92.740% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 132914 | 46.772 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 93.540% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 36156 | 19.207 | ug/l | 99 |
| 3) Chloromethane | 1.301 | 50 | 43445 | 17.560 | ug/l | 96 |
| 4) Vinyl Chloride | 1.380 | 62 | 42062 | 17.368 | ug/l | 99 |
| 5) Bromomethane | 1.618 | 94 | 28441 | 18.520 | ug/l | 96 |
| 6) Chloroethane | 1.697 | 64 | 26753 | 16.528 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 59843 | 16.642 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 24021 | 16.330 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 35974 | 17.109 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 51945 | 15.841 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.934 | 59 | 23851 | 74.010 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 36148 | 16.737 | ug/l | 94 |
| 13) Acrolein | 2.233 | 56 | 26313 | 88.603 | ug/l | 100 |
| 14) Allyl chloride | 2.666 | 41 | 70142 | 15.738 | ug/l | 98 |
| 15) Acrylonitrile | 3.056 | 53 | 100750 | 84.401 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 90216 | 71.706 | ug/l | 98 |
| 17) Carbon Disulfide | 2.514 | 76 | 101957 | 17.244 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 46539 | 16.621 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 128594 | 16.310 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 43710 | 16.413 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 39414 | 16.950 | ug/l | 96 |
| 22) Diisopropyl ether | 3.745 | 45 | 144354 | 16.712 | ug/l # | 79 |
| 23) Vinyl Acetate | 3.709 | 43 | 575126 | 83.195 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 75728 | 16.495 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 123517 | 78.705 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 60715 | 15.910 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 46069 | 16.177 | ug/l | 97 |
| 28) Bromochloromethane | 4.885 | 49 | 33685 | 16.807 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.995 | 42 | 79140 | 83.826 | ug/l | 98 |
| 30) Chloroform | 5.074 | 83 | 77095 | 16.618 | ug/l | 98 |
| 31) Cyclohexane | 5.458 | 56 | 63808 | 16.688 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.367 | 97 | 64618 | 16.421 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 53594 | 16.949 | ug/l | 99 |
| 37) Ethyl Acetate | 4.696 | 43 | 53300 | 15.743 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 54702 | 15.922 | ug/l | 99 |
| 39) Methylcyclohexane | 7.360 | 83 | 62254 | 17.344 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 160358 | 16.697 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.904 | 41 | 30351 | 17.365 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 60128 | 16.455 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 90880 | 16.367 | ug/l | | 99 |
| 44) Trichloroethene | 7.111 | 130 | 40550 | 17.464 | ug/l | | 95 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 41341 | 16.811 | ug/l | | 99 |
| 46) Dibromomethane | 7.562 | 93 | 29969 | 16.746 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 61218 | 16.577 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.677 | 41 | 44713 | 16.166 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 10693 | 382.549 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 264665 | 85.968 | ug/l | | 99 |
| 52) Toluene | 8.702 | 92 | 99779 | 16.863 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 61393 | 16.298 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 67677 | 16.810 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 39130 | 17.151 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.098 | 69 | 60408 | 16.859 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 68685 | 17.525 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 143660 | 91.195 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 183521 | 83.000 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 45346 | 17.249 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 40518 | 17.435 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 32372 | 17.136 | ug/l | | 98 |
| 65) Chlorobenzene | 10.061 | 112 | 109903 | 16.694 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 37383 | 16.455 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.177 | 91 | 189524 | 16.684 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.287 | 106 | 143444 | 33.927 | ug/l | | 100 |
| 69) o-Xylene | 10.622 | 106 | 68954 | 16.861 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 118603 | 16.552 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 28237 | 16.646 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.945 | 105 | 177153 | 16.449 | ug/l | | 99 |
| 74) N-amyl acetate | 10.823 | 43 | 80035 | 16.296 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 54058 | 16.590 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 57976 | 20.213 | ug/l | | 91 |
| 77) Bromobenzene | 11.183 | 156 | 43202 | 16.287 | ug/l | | 98 |
| 78) n-propylbenzene | 11.287 | 91 | 213079 | 16.736 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 128239 | 16.446 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 147832 | 16.707 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 16574 | 14.736 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 153584 | 16.677 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.695 | 119 | 149430 | 16.497 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 150232 | 16.747 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 181026 | 16.825 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 154052 | 16.913 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 83142 | 16.875 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 83968 | 16.605 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 144464 | 17.140 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 25557 | 15.981 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 78309 | 16.683 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 10024 | 15.194 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 49366 | 16.182 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 17786 | 17.165 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 146235 | 15.742 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 46461 | 16.373 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

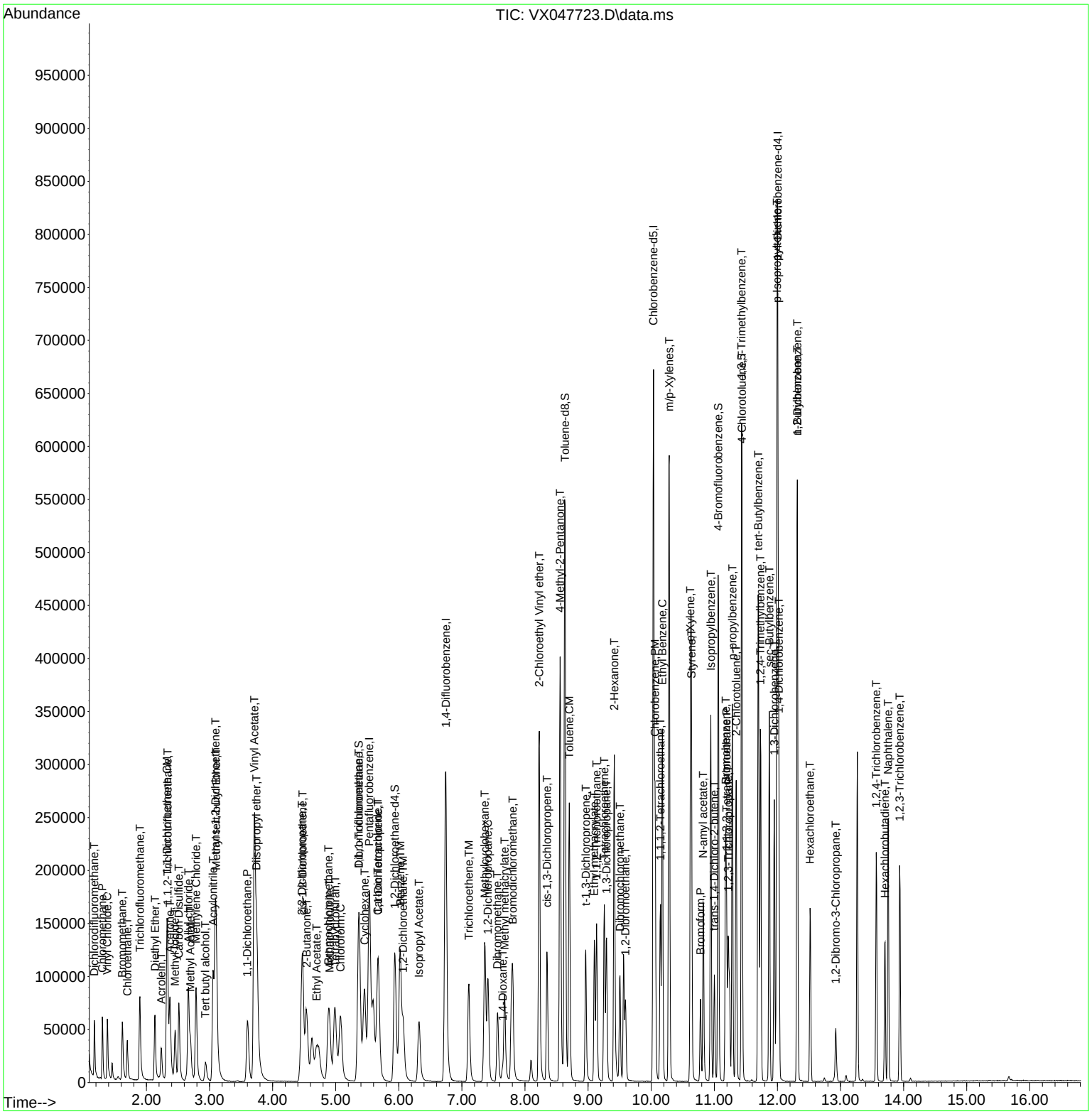
(#) = qualifier out of range (m) = manual integration (+) = signals summed

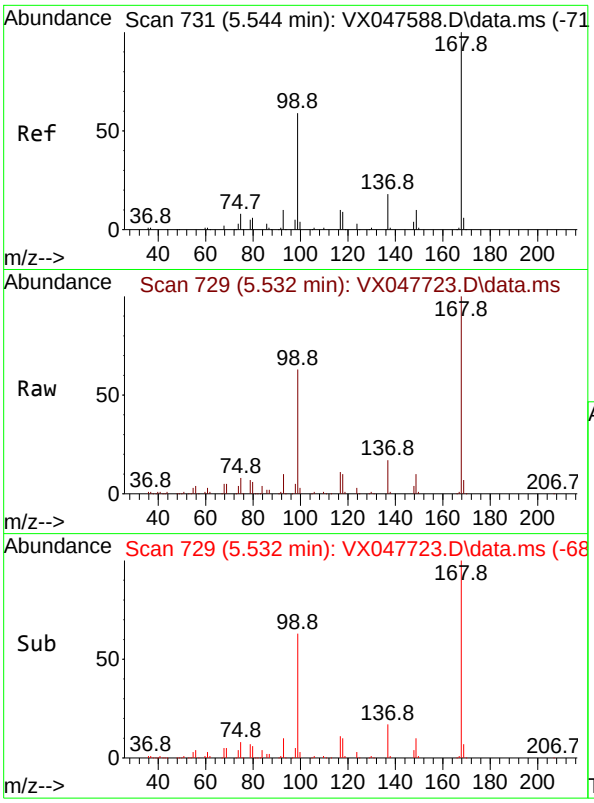
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047723.D
Acq On : 23 Sep 2025 11:15
Operator : JC/MD
Sample : VX0923WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Quant Time: Sep 24 01:28:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



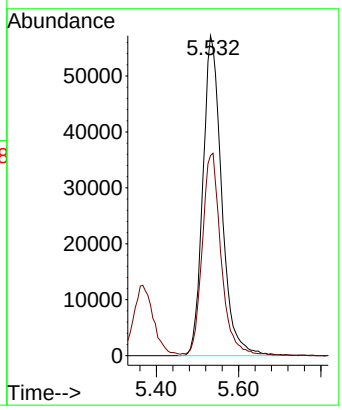


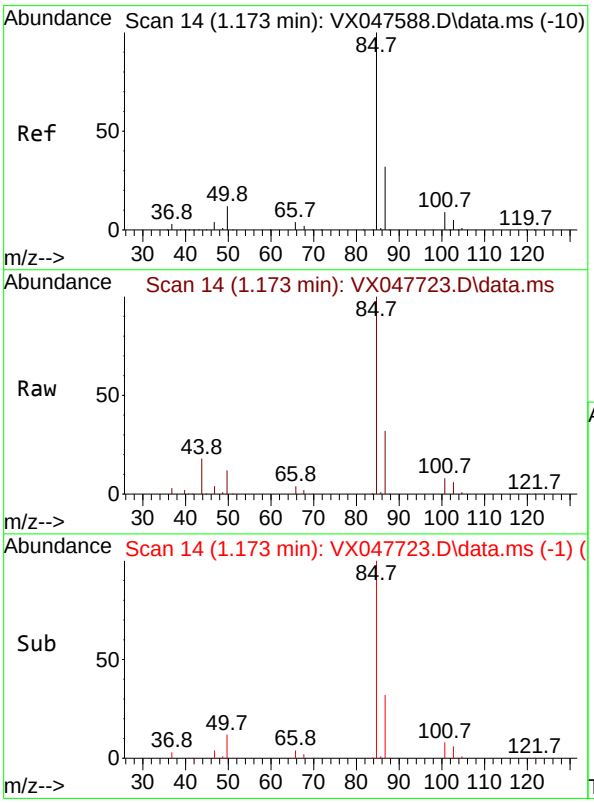

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:168 Resp: 181787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.3 | 48.8 | 73.2 |

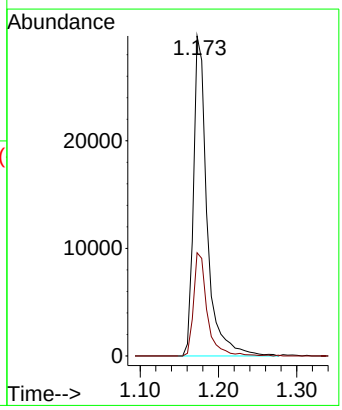


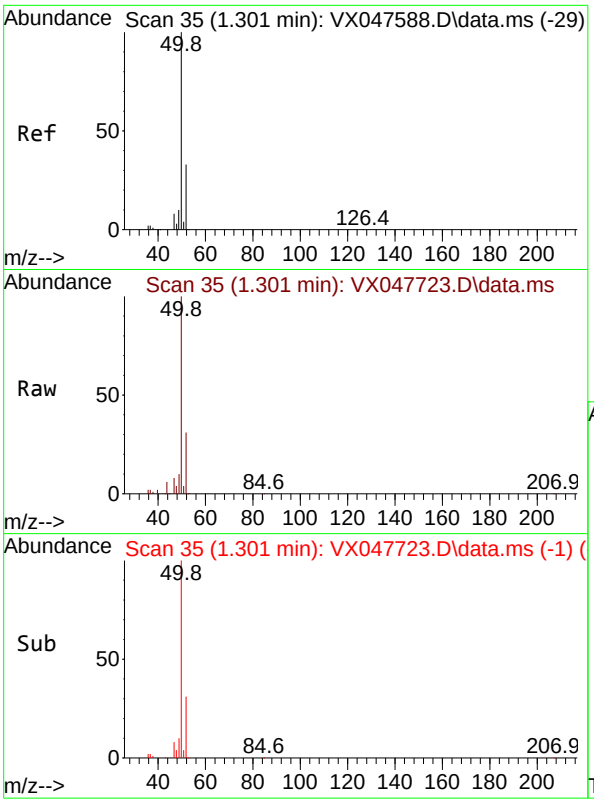




#2
Dichlorodifluoromethane
Concen: 19.207 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 85 Resp: 36156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.3 | 15.8 | 47.3 |



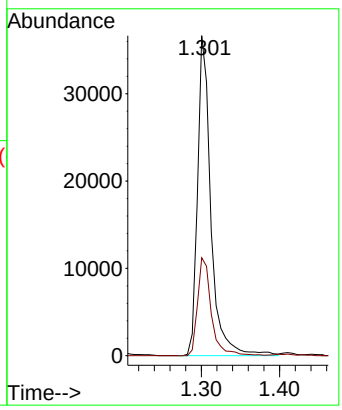


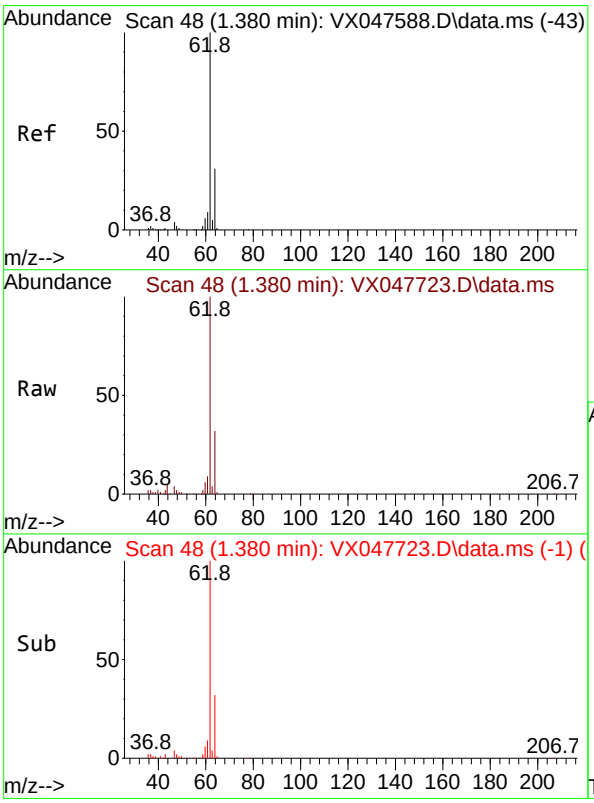

#3
Chloromethane
Concen: 17.560 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 50 Resp: 43445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.6 | 26.1 | 39.1 |

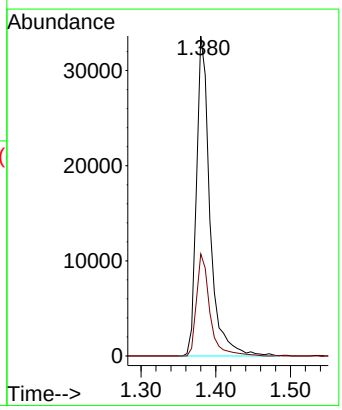


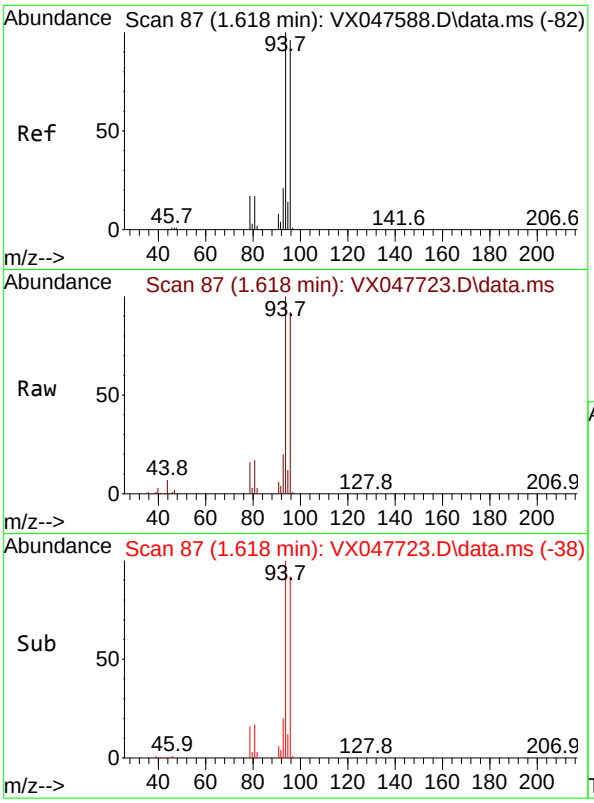




#4
Vinyl Chloride
Concen: 17.368 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 62 Resp: 42062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.9 | 24.9 | 37.3 |



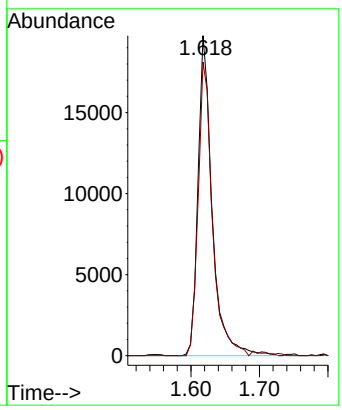


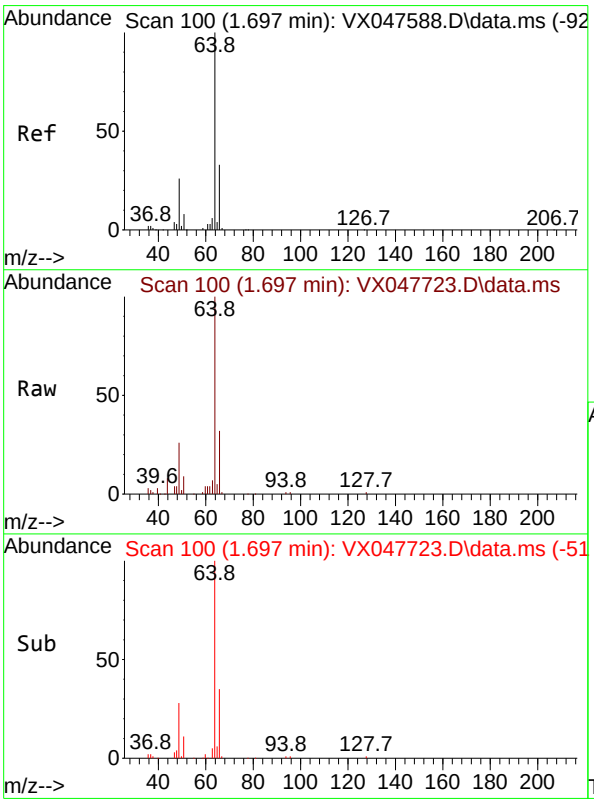

#5
Bromomethane
Concen: 18.520 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 94 Resp: 28441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 91.8 | 76.6 | 115.0 |

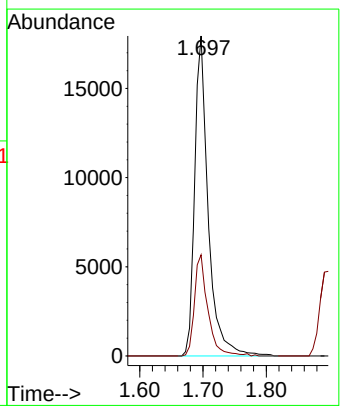


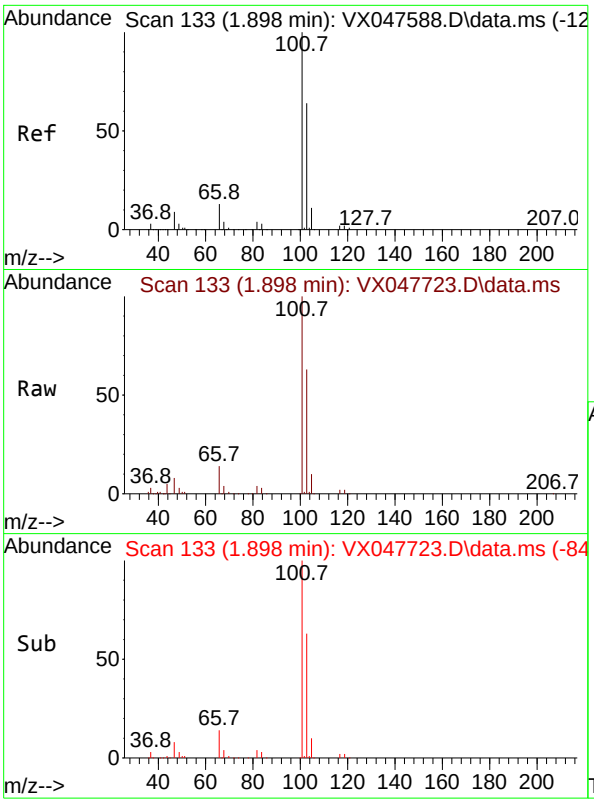




#6
Chloroethane
Concen: 16.528 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 64 Resp: 26753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.6 | 26.1 | 39.1 |



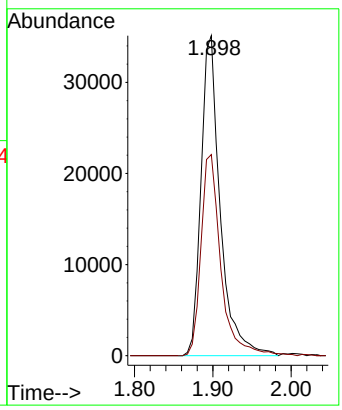


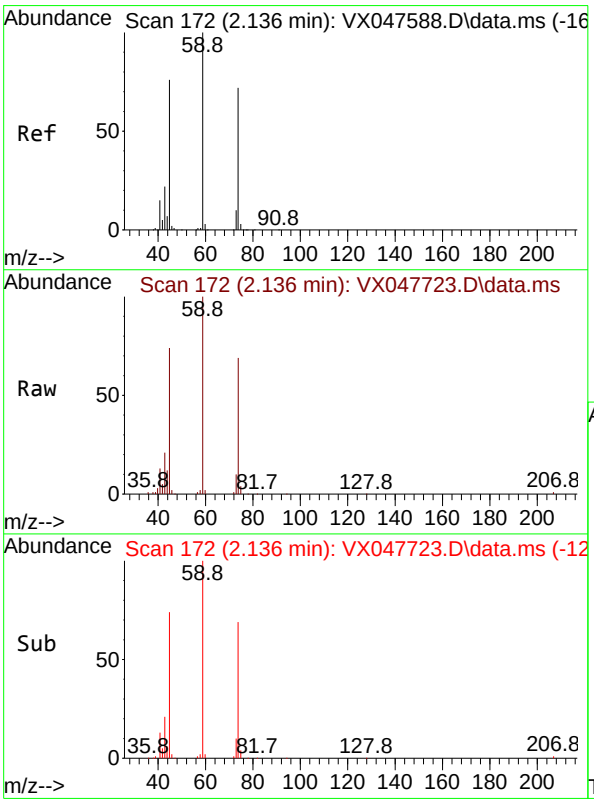

#7
Trichlorofluoromethane
Concen: 16.642 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:101 Resp: 59843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 62.9 | 51.4 | 77.2 |

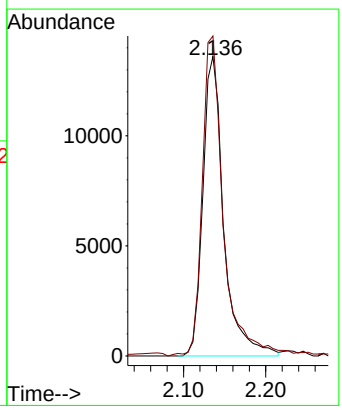


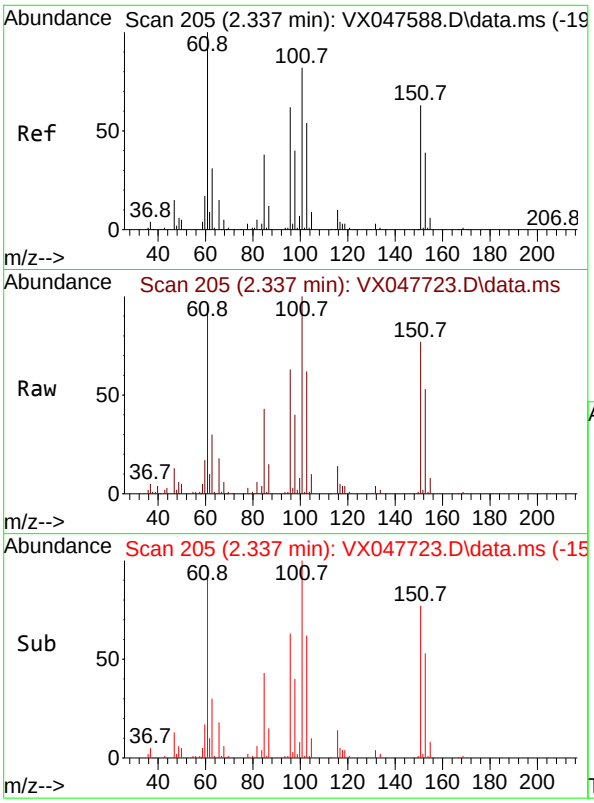




#8
Diethyl Ether
Concen: 16.330 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 74 Resp: 24021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 108.1 | 52.3 | 156.8 |



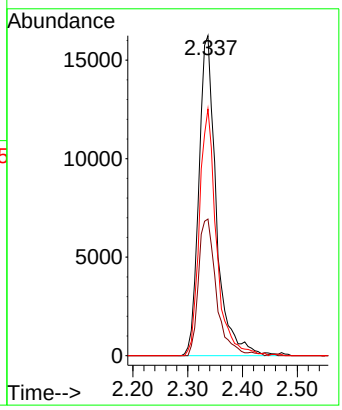


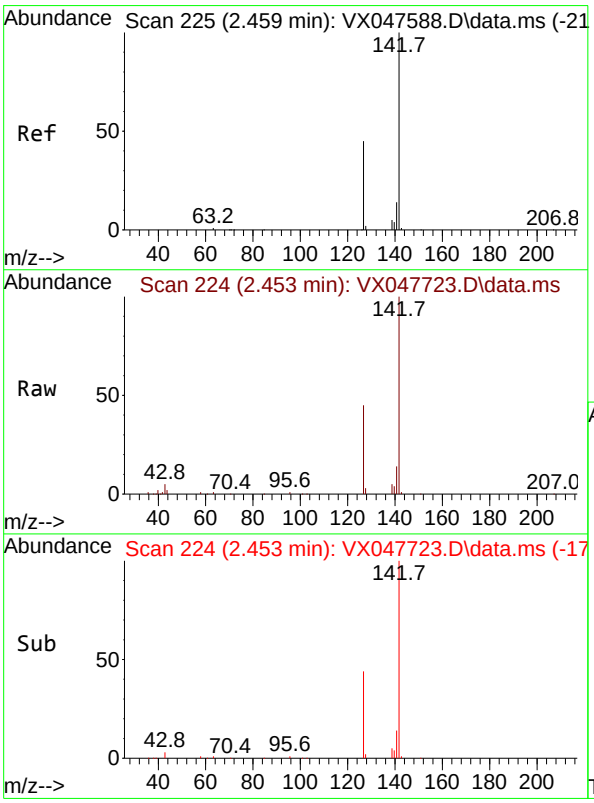

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.109 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:101 Resp: 35974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.6 | 35.5 | 53.3 |
| 151 | 75.1 | 59.4 | 89.0 |

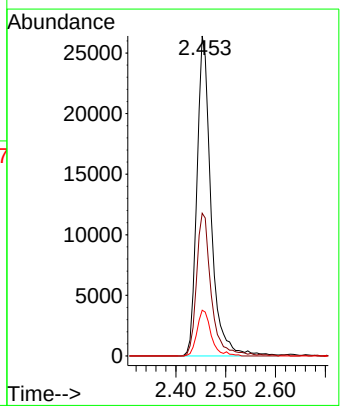


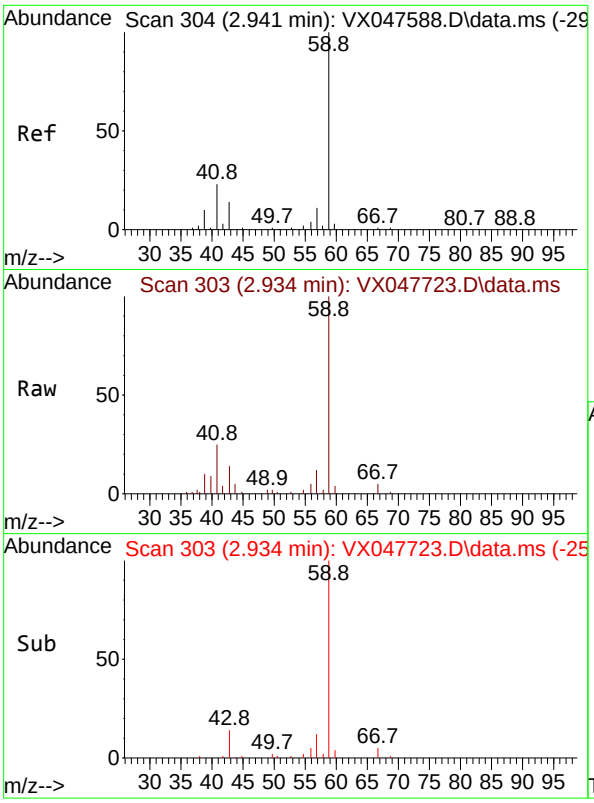




#10
Methyl Iodide
Concen: 15.841 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:142 Resp: 51945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.1 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |



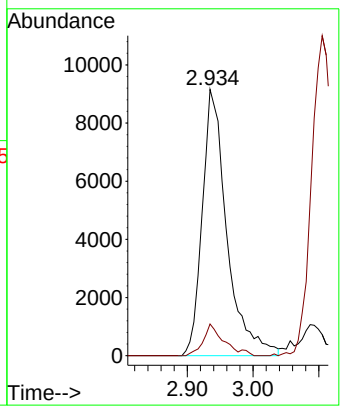


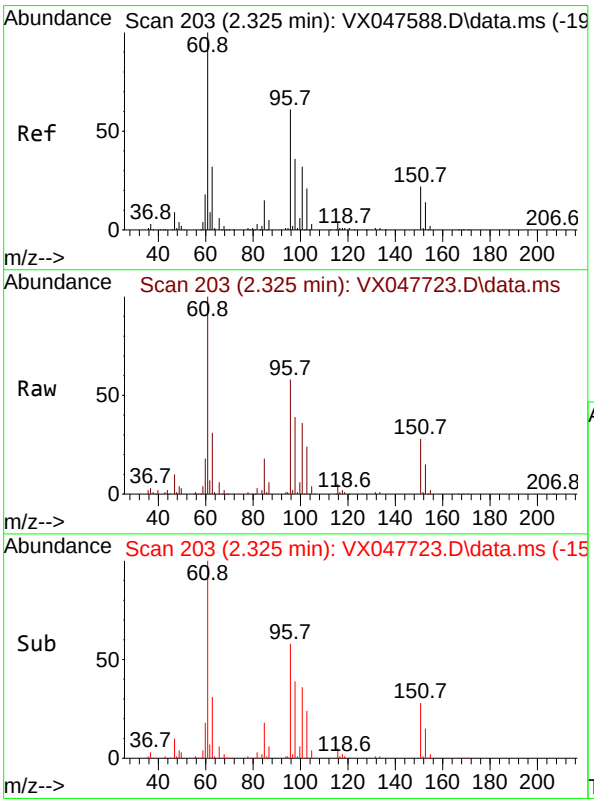

#11
Tert butyl alcohol
Concen: 74.010 ug/l
RT: 2.934 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 59 Resp: 23851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |

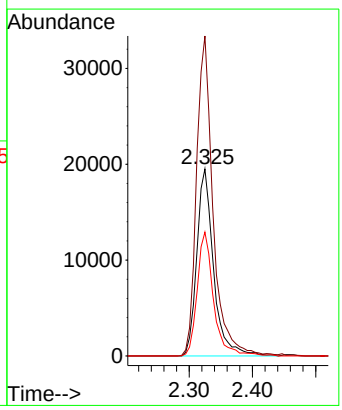


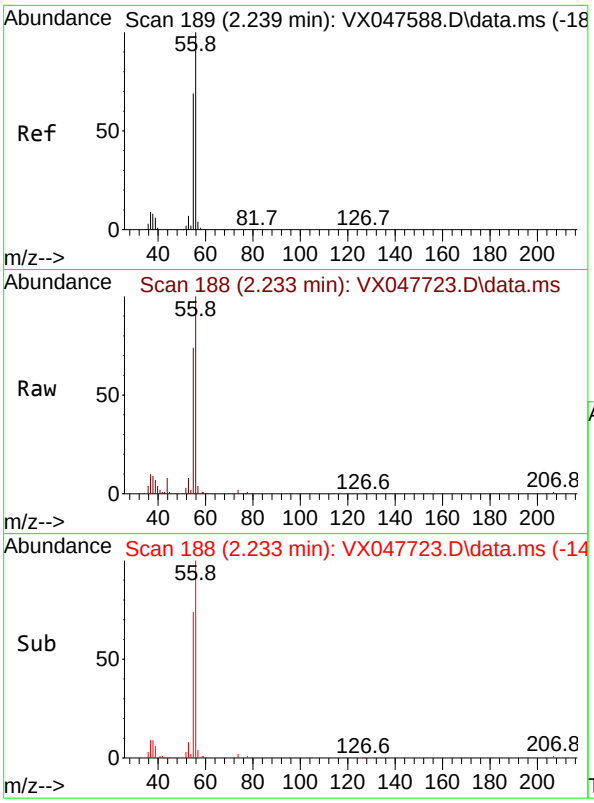




#12
1,1-Dichloroethene
Concen: 16.737 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 96 Resp: 36148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 171.1 | 131.0 | 196.6 |
| 98 | 66.2 | 47.7 | 71.5 |



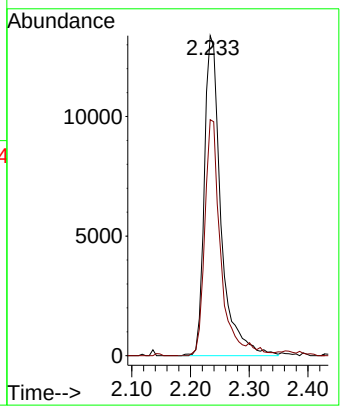


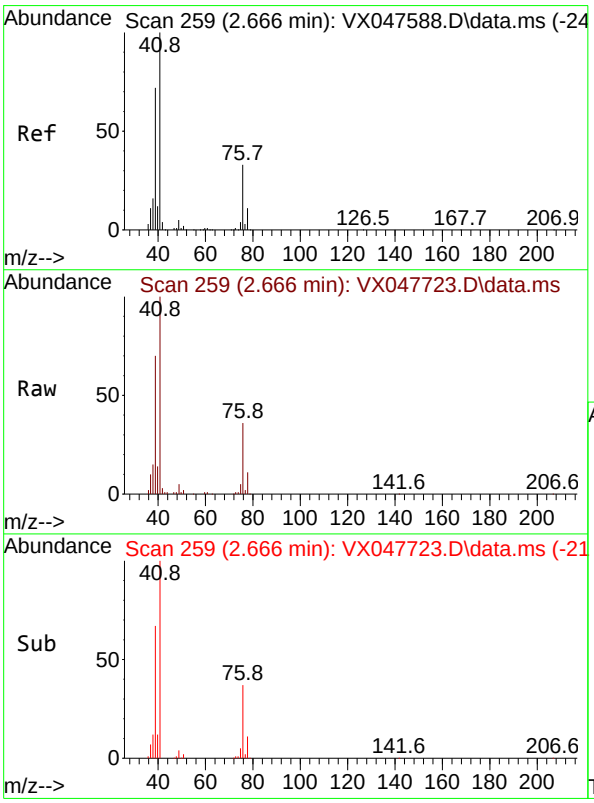

#13
Acrolein
Concen: 88.603 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 56 Resp: 26313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 71.4 | 57.2 | 85.8 |

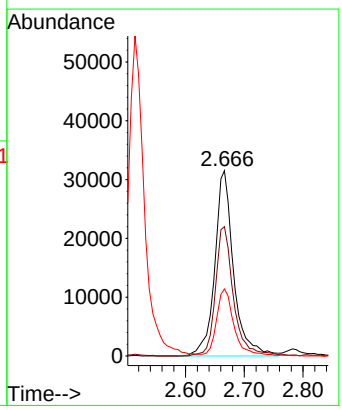


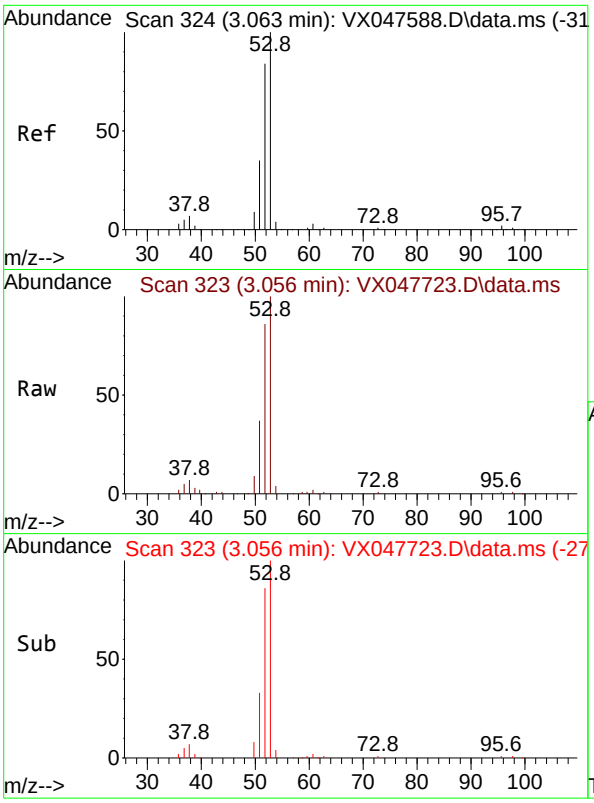




#14
Allyl chloride
Concen: 15.738 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 41 Resp: 70142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 67.1 | 54.7 | 82.1 |
| 76 | 33.8 | 25.7 | 38.5 |



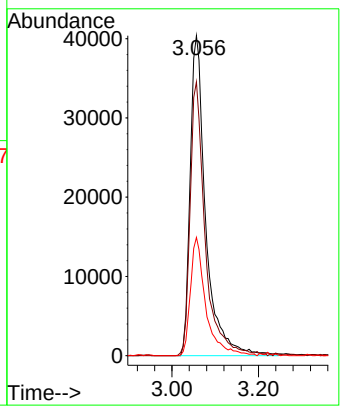


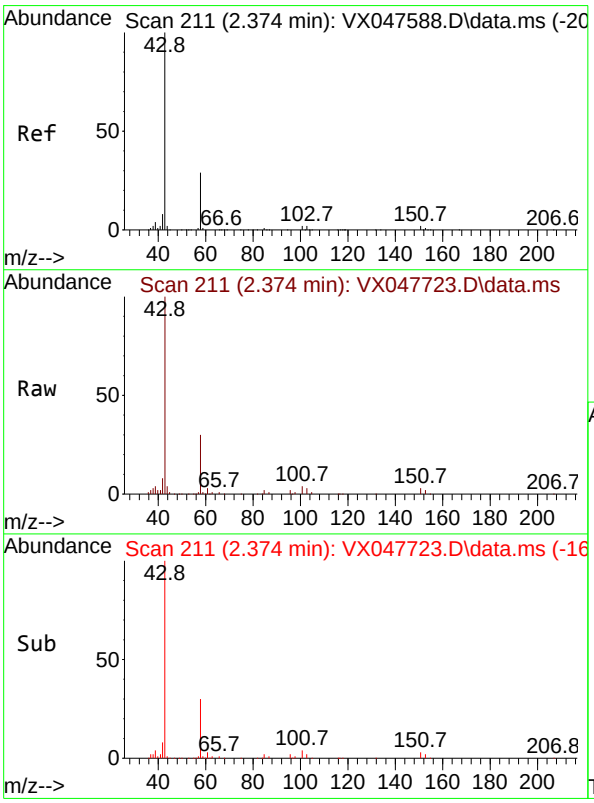

#15
Acrylonitrile
Concen: 84.401 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 53 Resp: 100750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.3 | 66.4 | 99.6 |
| 51 | 36.7 | 29.5 | 44.3 |

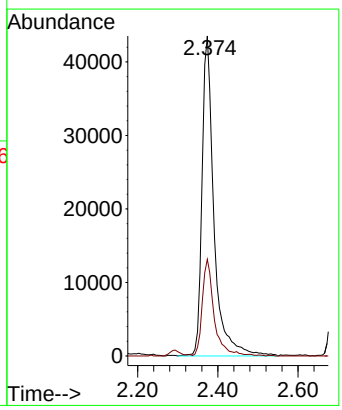


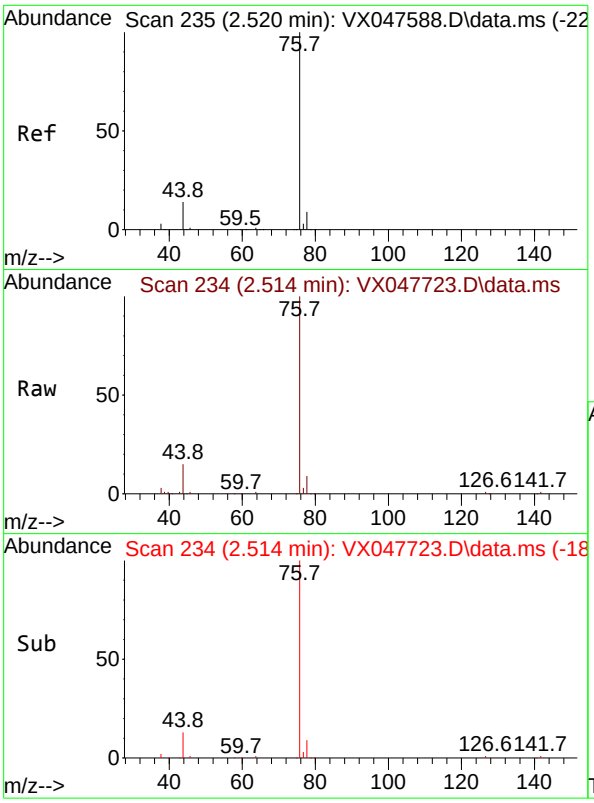




#16
Acetone
Concen: 71.706 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 90216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.2 | 23.4 | 35.0 |



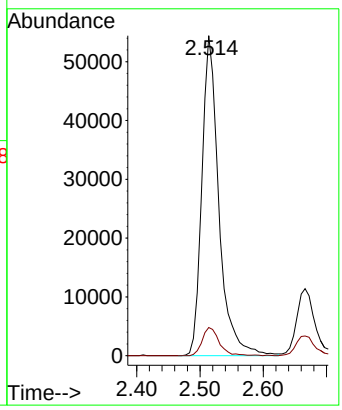


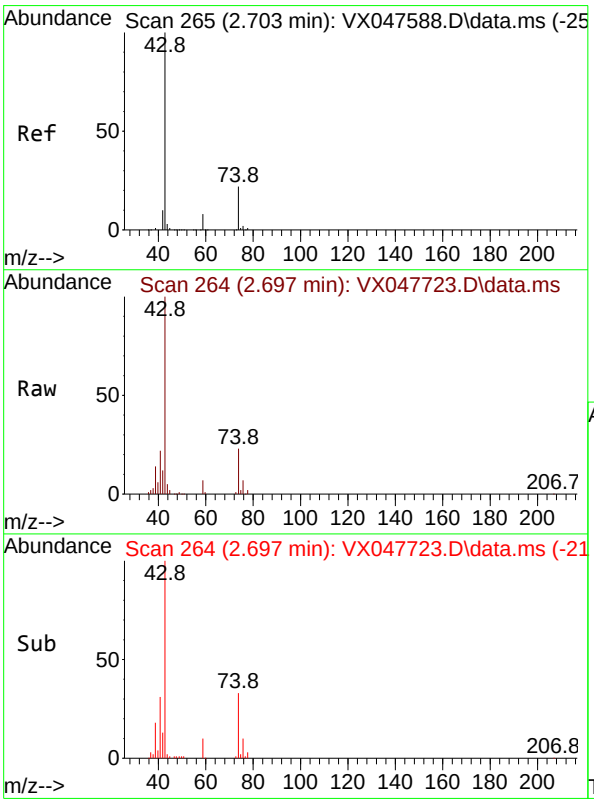

#17
Carbon Disulfide
Concen: 17.244 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 76 Resp: 101957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 6.8 | 10.2 |

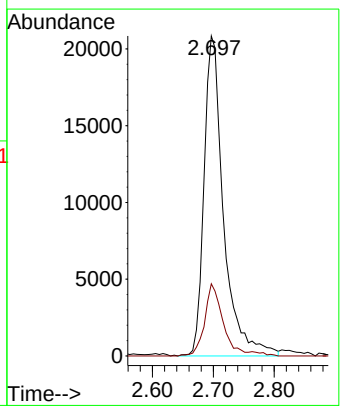


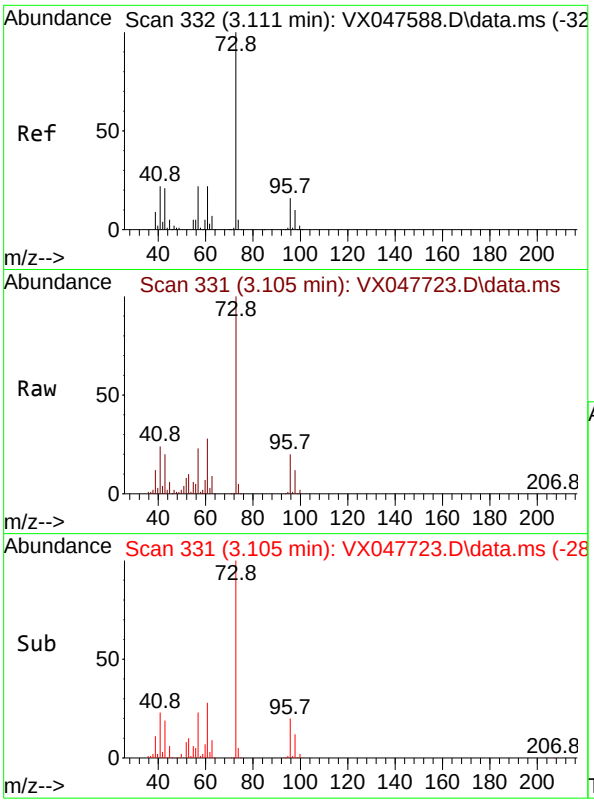




#18
Methyl Acetate
Concen: 16.621 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 46539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 17.4 | 26.2 |



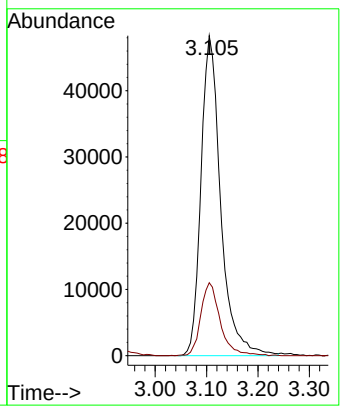


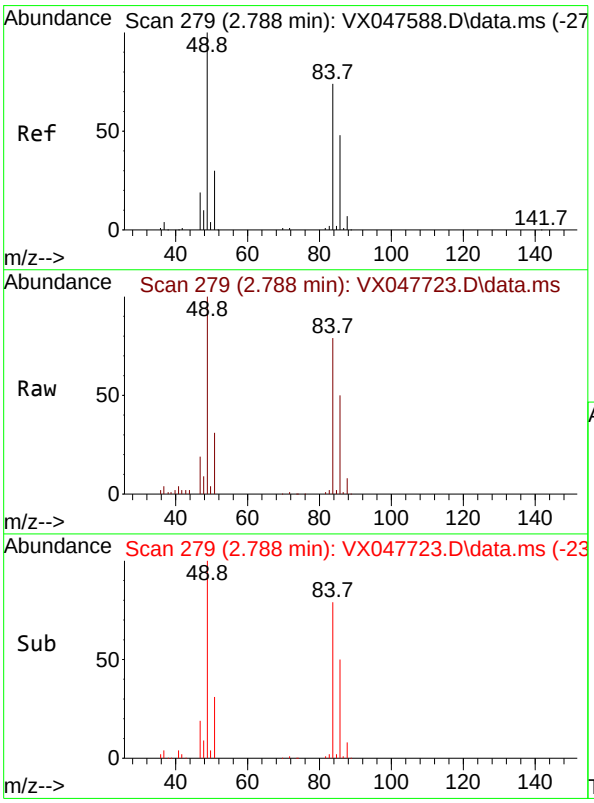

#19
Methyl tert-butyl Ether
Concen: 16.310 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 73 Resp: 128594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.7 | 17.4 | 26.2 |

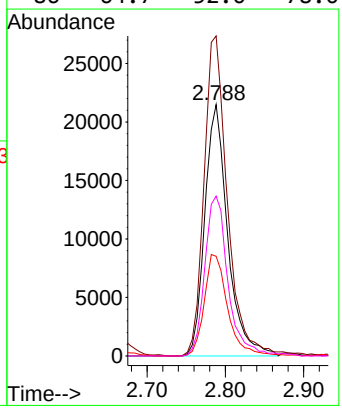


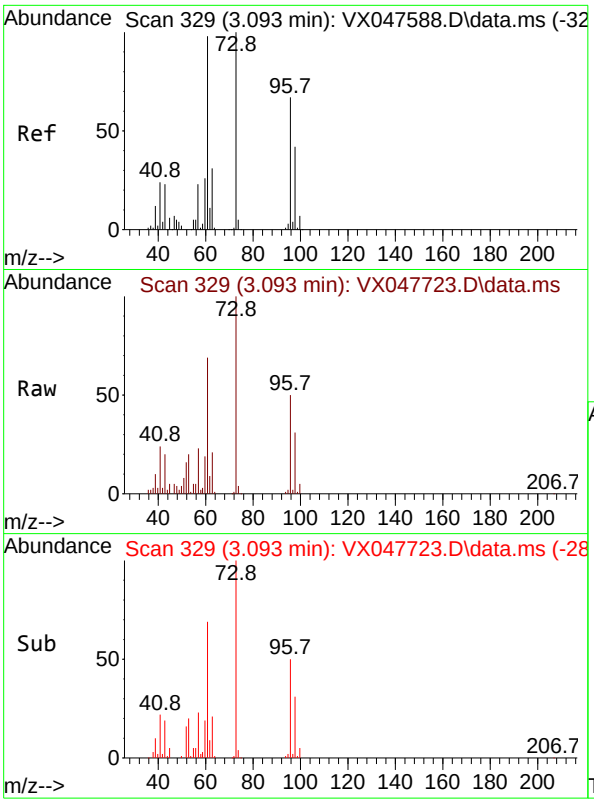




#20
Methylene Chloride
Concen: 16.413 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 84 Resp: 43710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.3 | 108.6 | 162.8 |
| 51 | 39.7 | 32.6 | 48.8 |
| 86 | 64.7 | 52.0 | 78.0 |



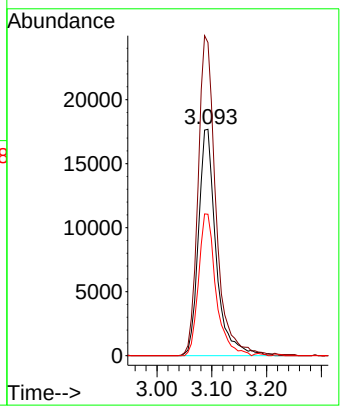


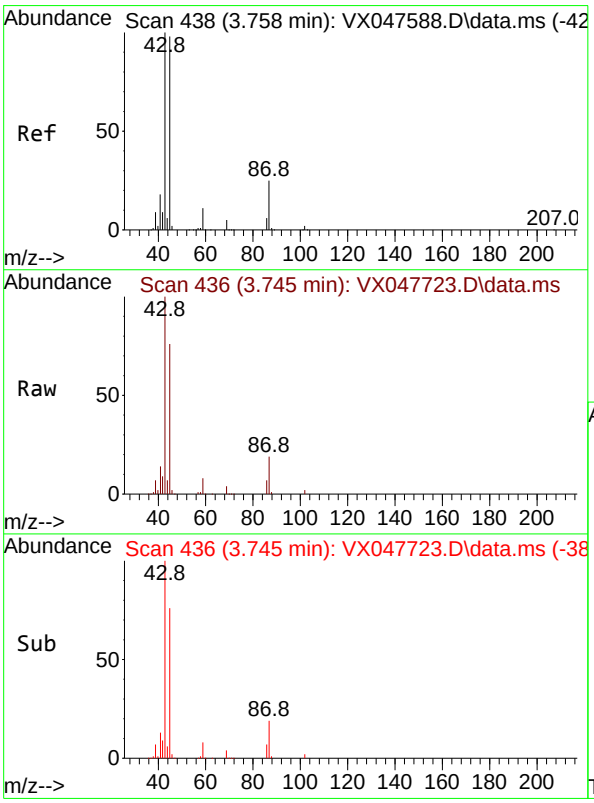

#21
trans-1,2-Dichloroethene
Concen: 16.950 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 96 Resp: 39414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.3 | 116.2 | 174.2 |
| 98 | 62.5 | 49.3 | 73.9 |

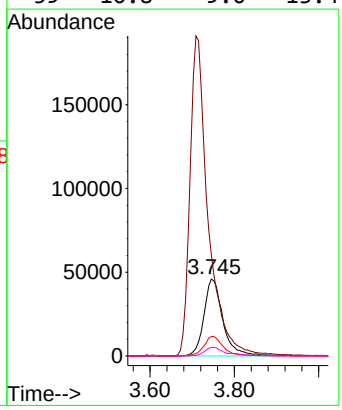


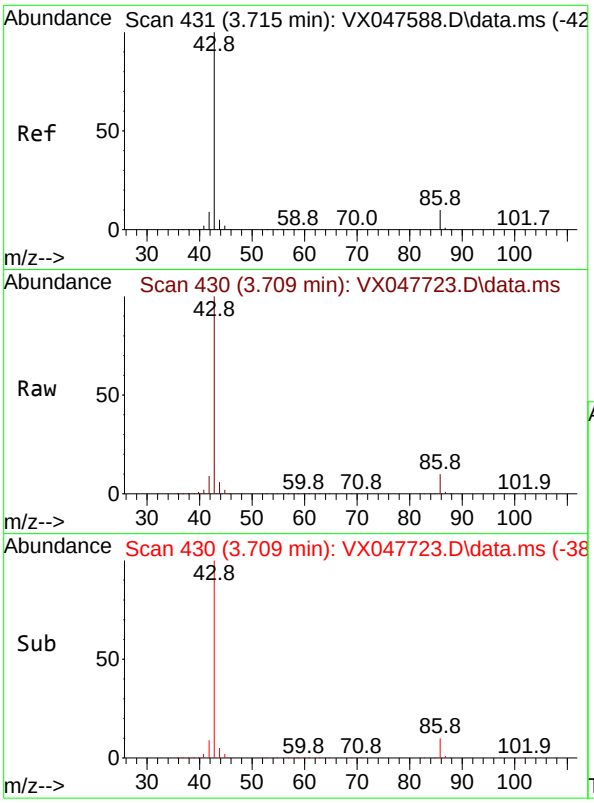




#22
Diisopropyl ether
Concen: 16.712 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 45 Resp: 144354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 130.4 | 81.0 | 121.4# |
| 87 | 25.2 | 20.3 | 30.5 |
| 59 | 10.8 | 9.0 | 13.4 |



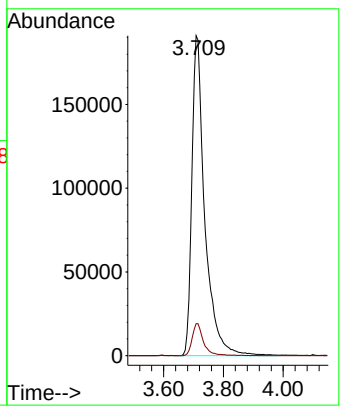


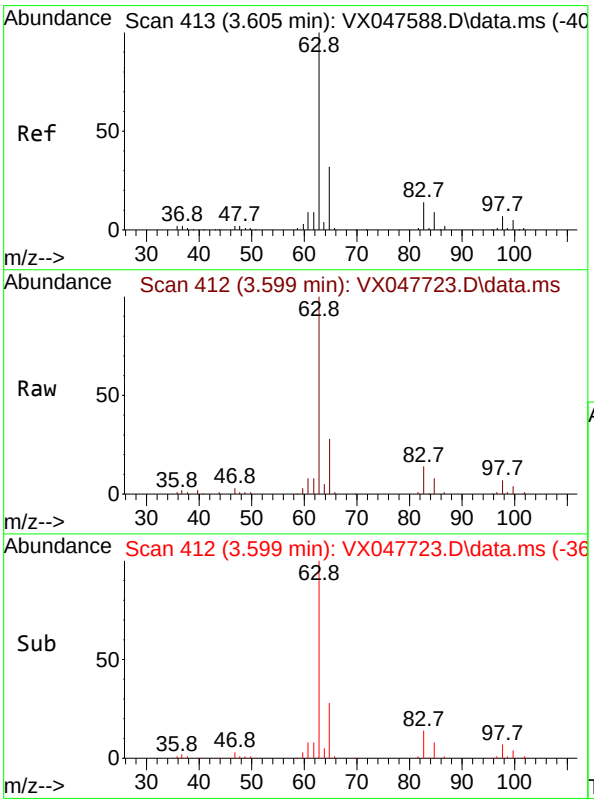

#23
Vinyl Acetate
Concen: 83.195 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 575126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |

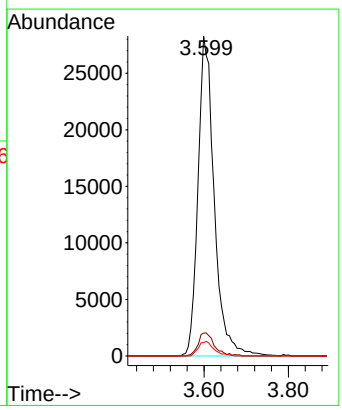


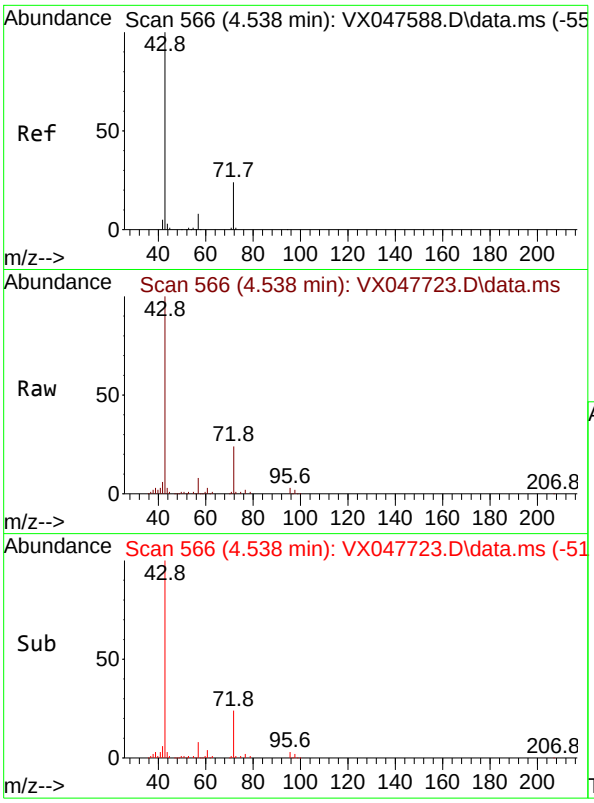




#24
1,1-Dichloroethane
Concen: 16.495 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 63 Resp: 75728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.8 | 3.8 | 11.2 |
| 100 | 4.2 | 2.3 | 6.9 |



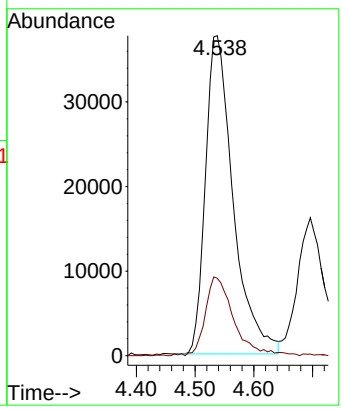


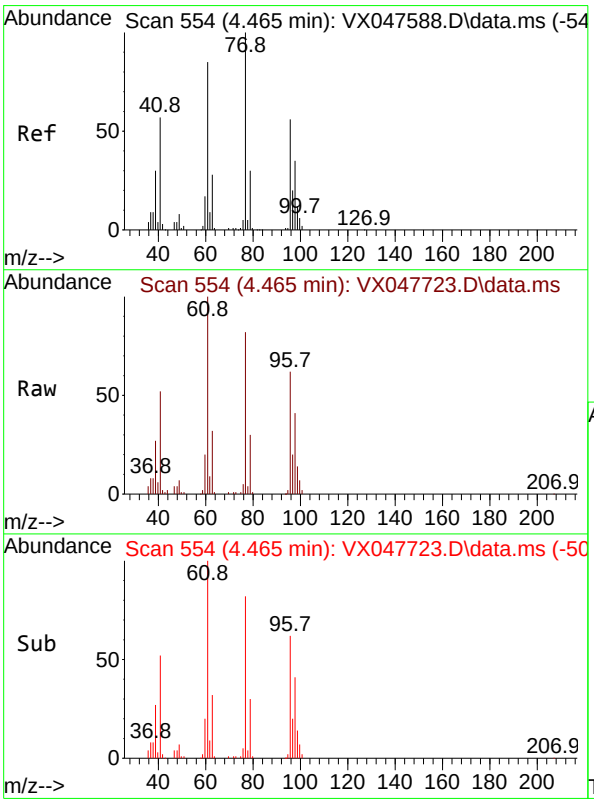

#25
2-Butanone
Concen: 78.705 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 123517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 24.6 | 20.1 | 30.1 |

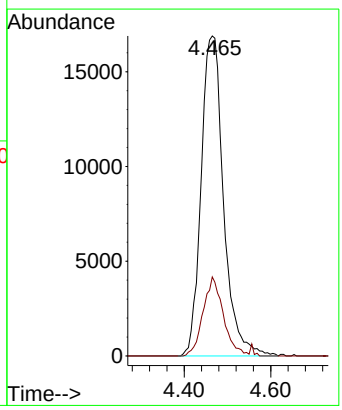


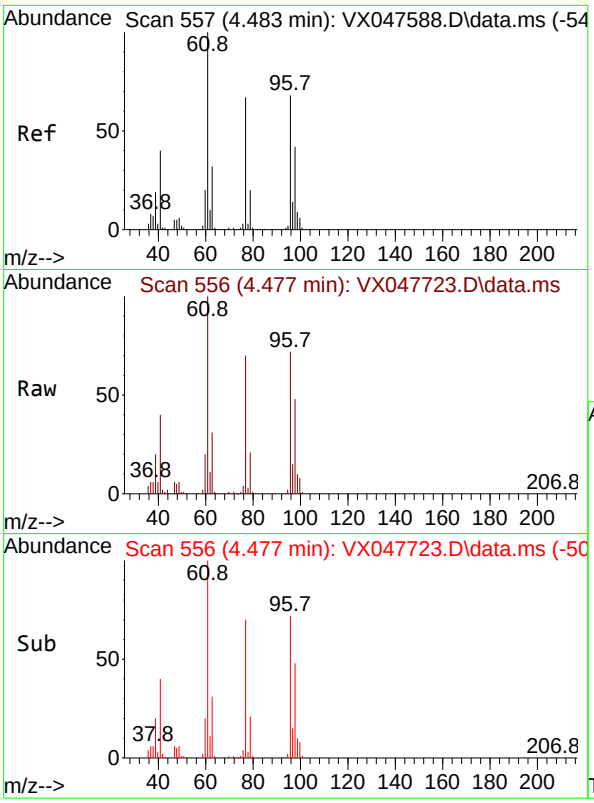




#26
2,2-Dichloropropane
Concen: 15.910 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 77 Resp: 60715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 22.2 | 10.9 | 32.7 |



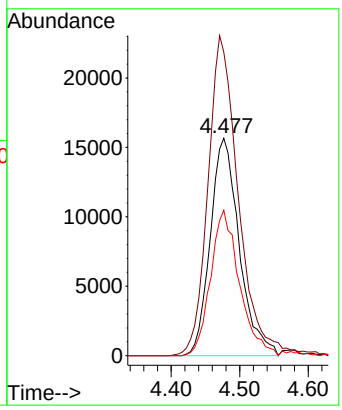


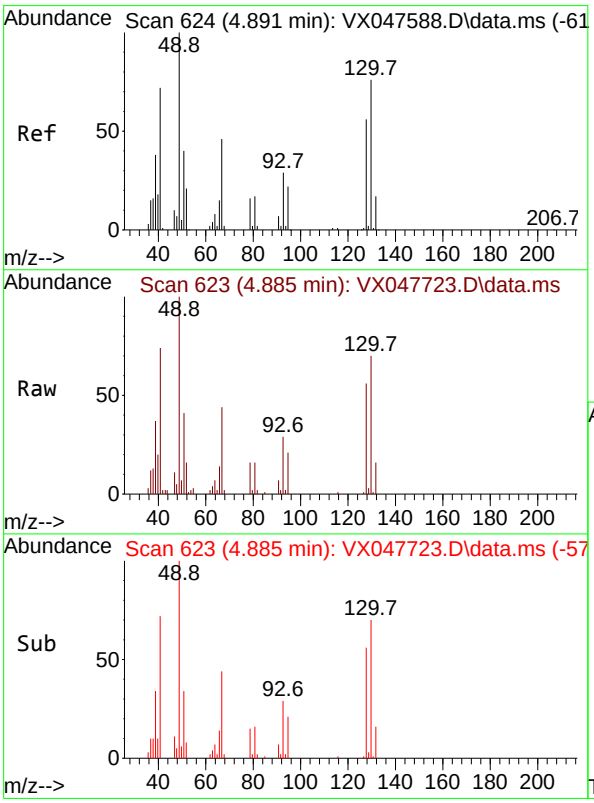

#27
cis-1,2-Dichloroethene
Concen: 16.177 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 96 Resp: 46069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 155.1 | 0.0 | 303.2 |
| 98 | 66.4 | 0.0 | 127.8 |

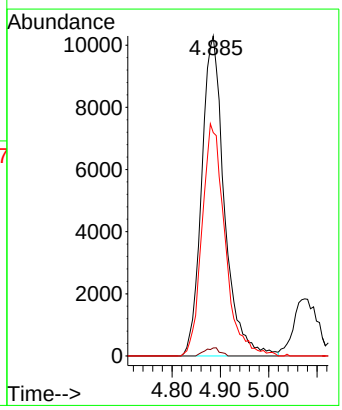


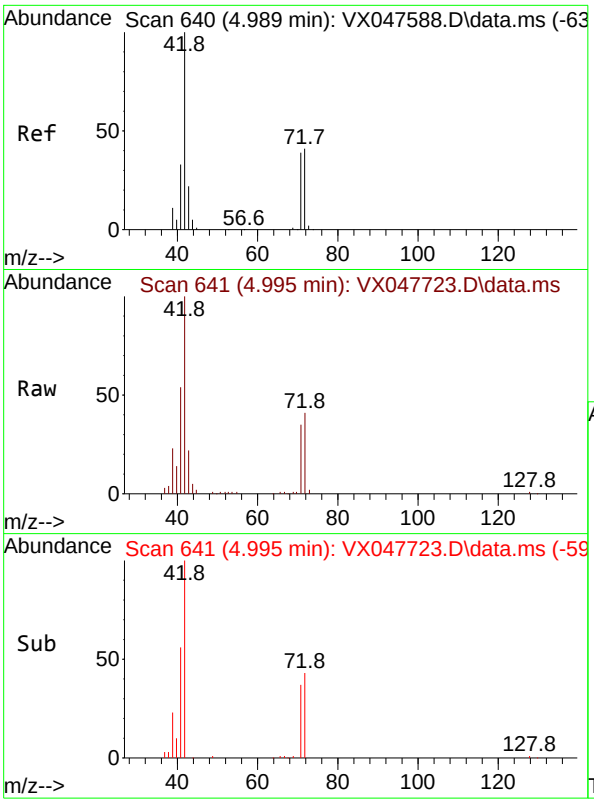




#28
Bromochloromethane
Concen: 16.807 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 49 Resp: 33685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.7 | 0.0 | 3.2 |
| 130 | 73.4 | 57.8 | 86.8 |



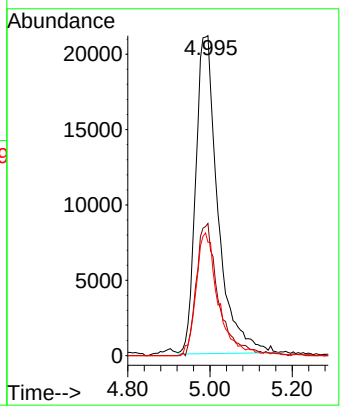


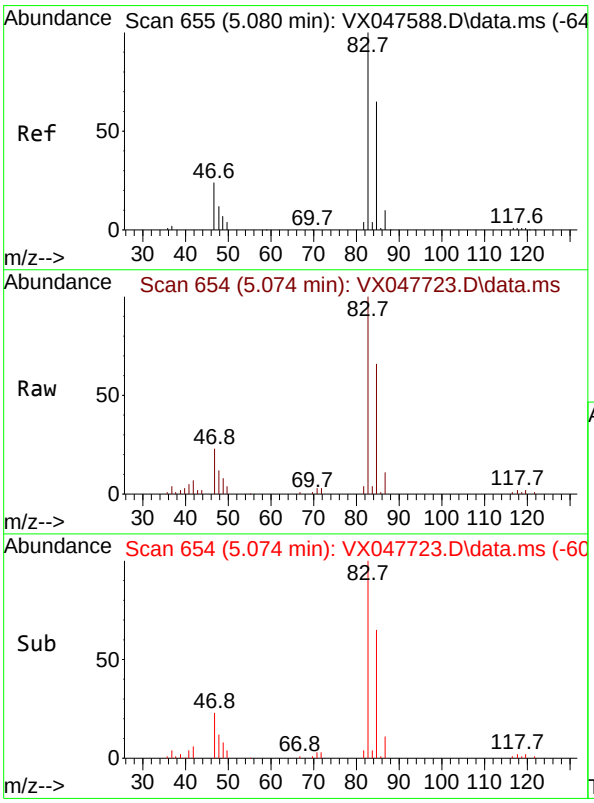

#29
Tetrahydrofuran
Concen: 83.826 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 42 Resp: 79140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.4 | 34.2 | 51.2 |
| 71 | 38.8 | 31.9 | 47.9 |

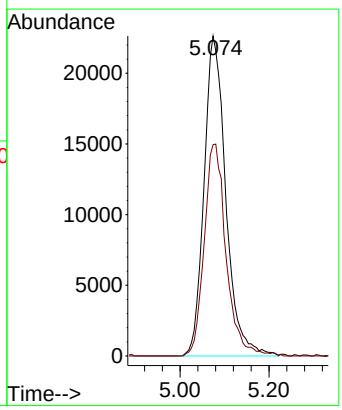


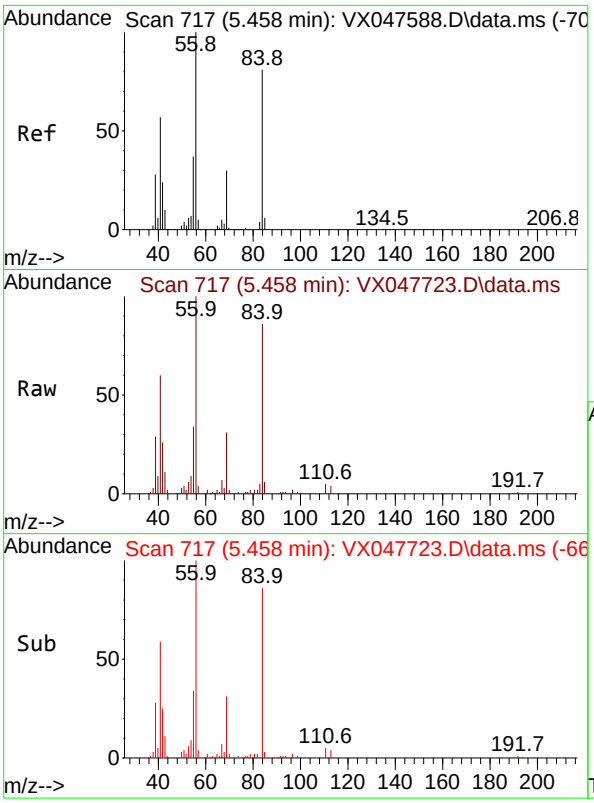




#30
Chloroform
Concen: 16.618 ug/l
RT: 5.074 min Scan# 654
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 83 Resp: 77095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.1 | 51.8 | 77.6 |



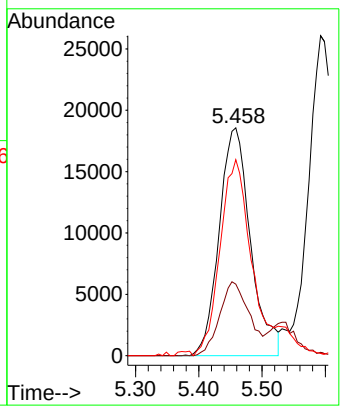


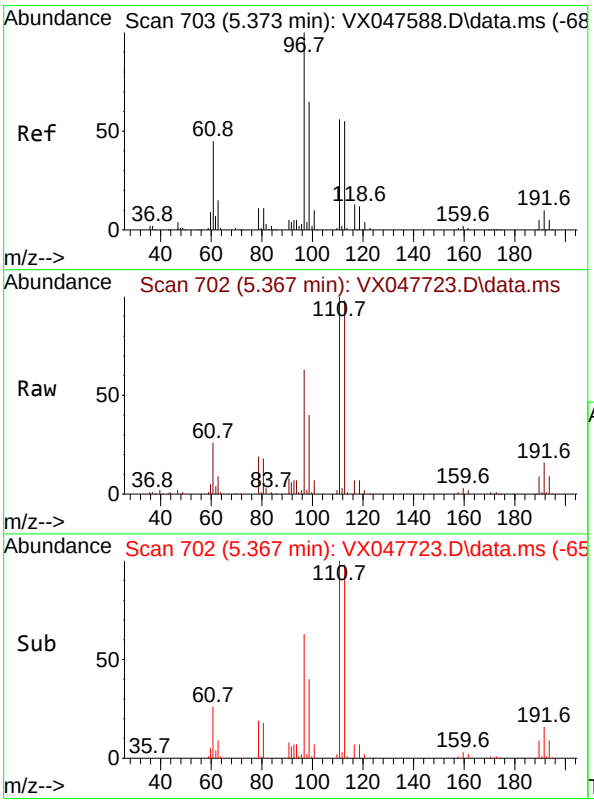

#31
Cyclohexane
Concen: 16.688 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 56 Resp: 63808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 31.0 | 23.8 | 35.8 |
| 84 | 84.5 | 64.6 | 97.0 |

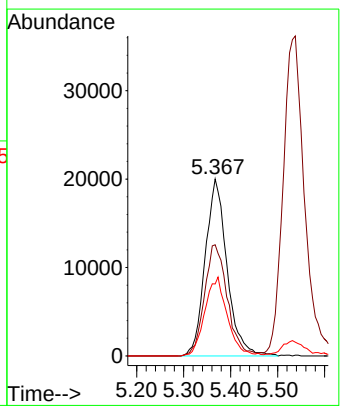


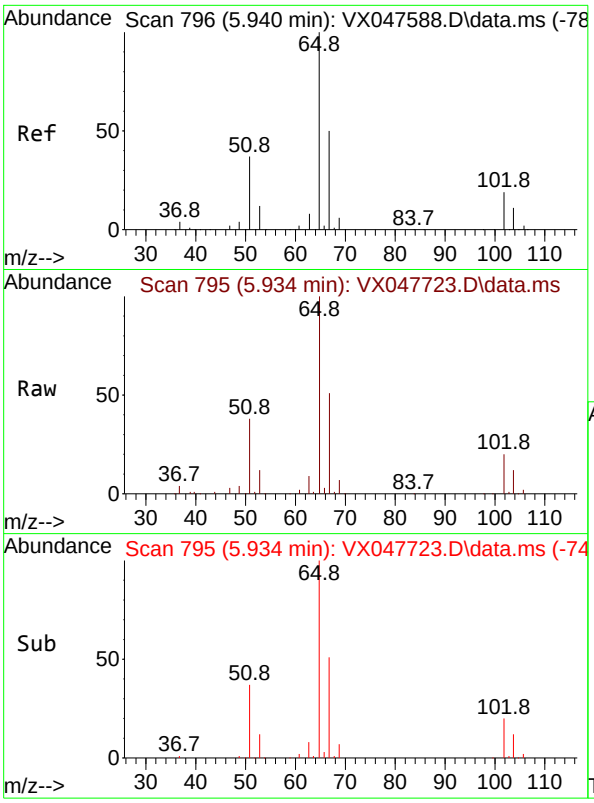




#32
1,1,1-Trichloroethane
Concen: 16.421 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 97 Resp: 64618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 65.8 | 50.6 | 76.0 |
| 61 | 45.9 | 35.8 | 53.8 |



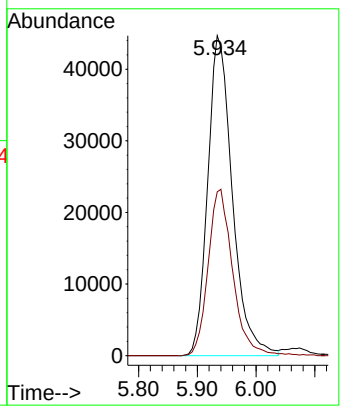


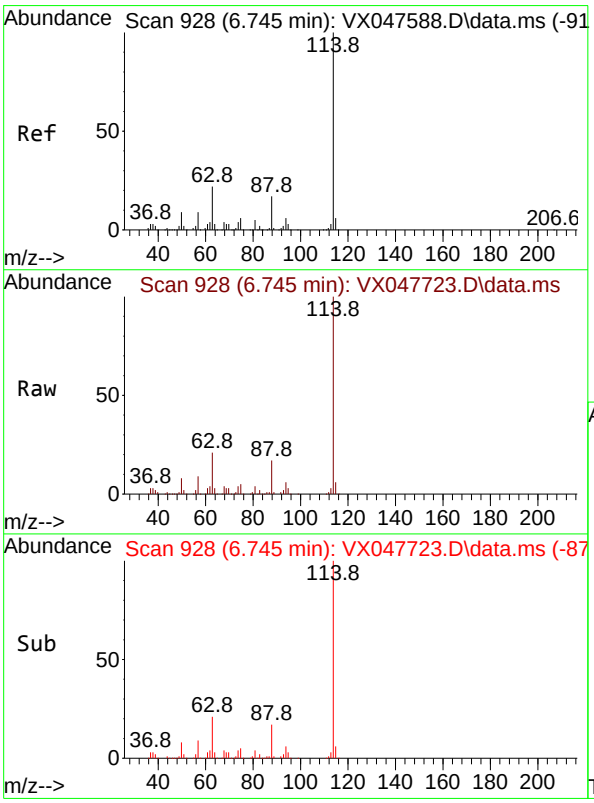

#33
1,2-Dichloroethane-d4
Concen: 44.983 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 65 Resp: 130163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 103.0 |

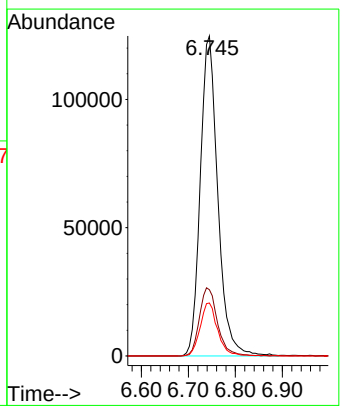


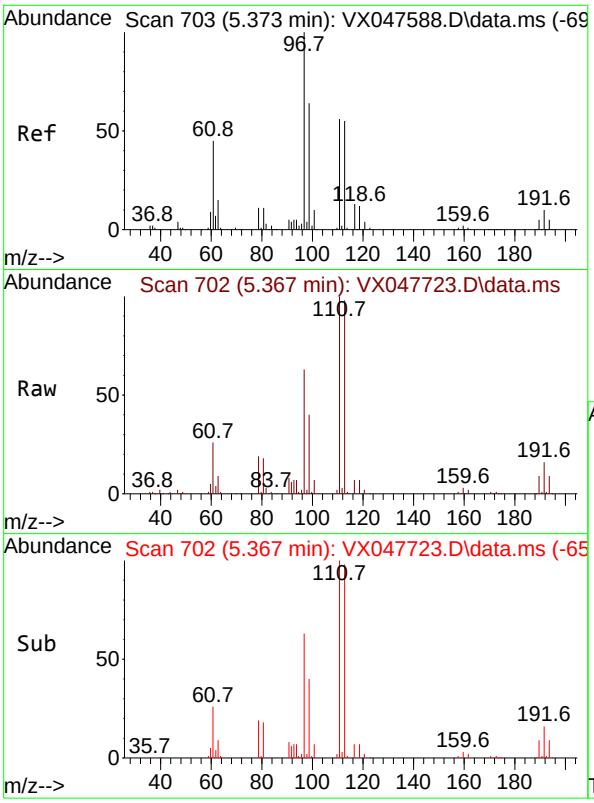




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:114 Resp: 322664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |



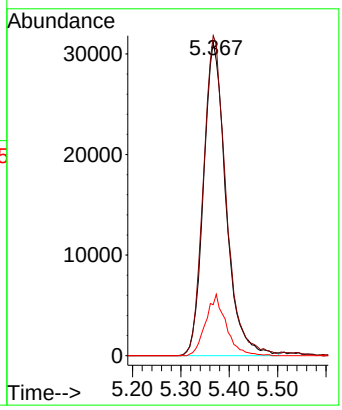


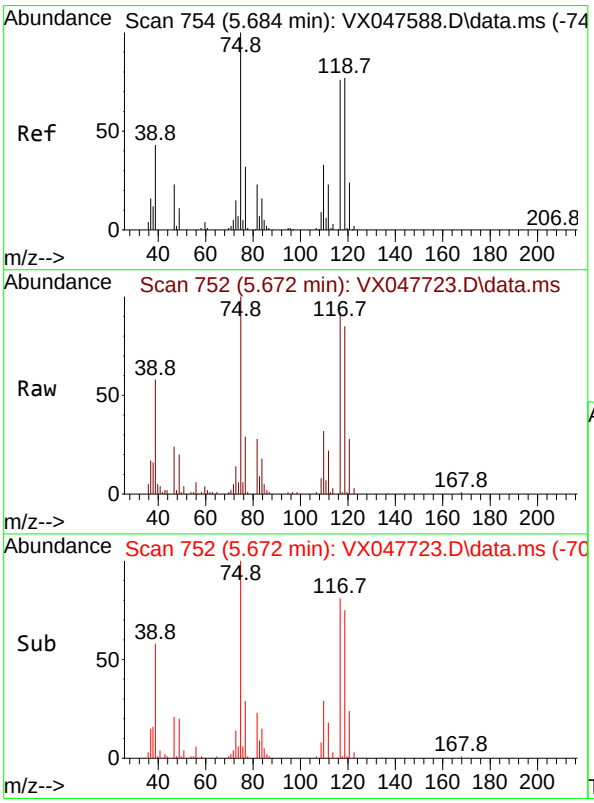

#35
Dibromofluoromethane
Concen: 46.149 ug/l
RT: 5.367 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:113 Resp: 99865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |

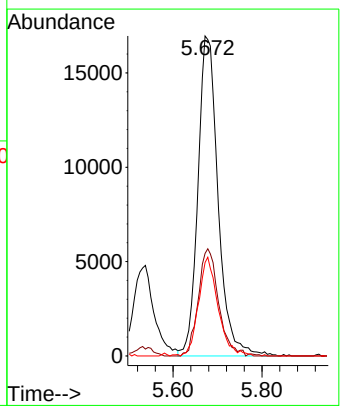


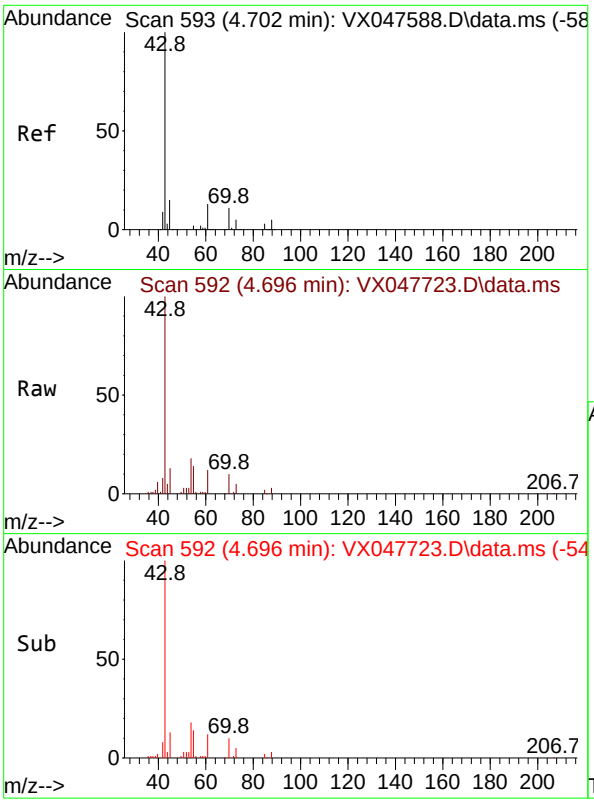




#36
1,1-Dichloropropene
Concen: 16.949 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 53594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.7 | 16.7 | 50.1 |
| 77 | 29.8 | 24.3 | 36.5 |



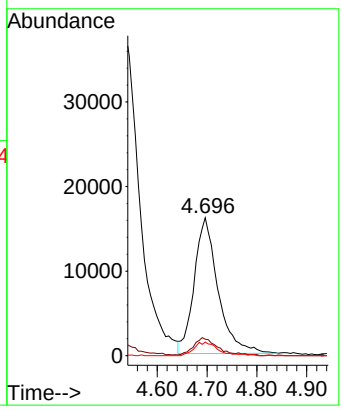


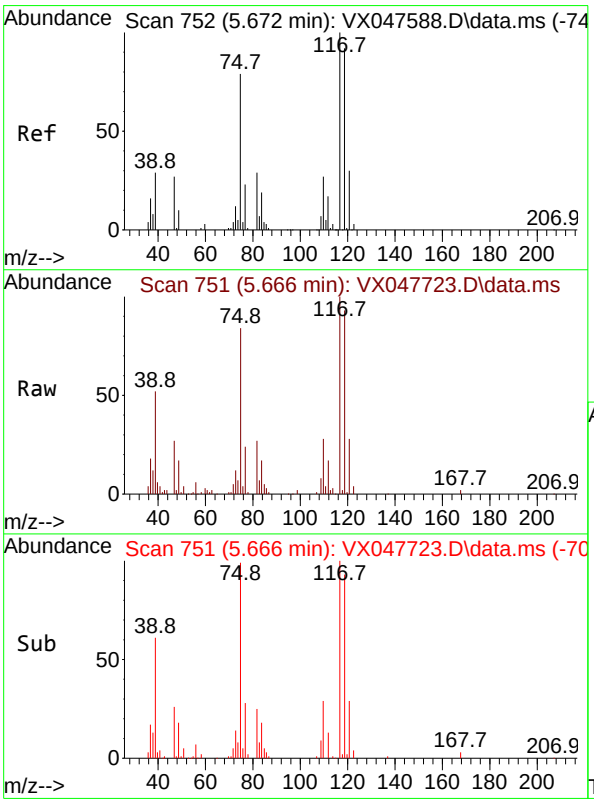

#37
Ethyl Acetate
Concen: 15.743 ug/l
RT: 4.696 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 53300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.8 | 14.8 |
| 70 | 10.0 | 7.9 | 11.9 |

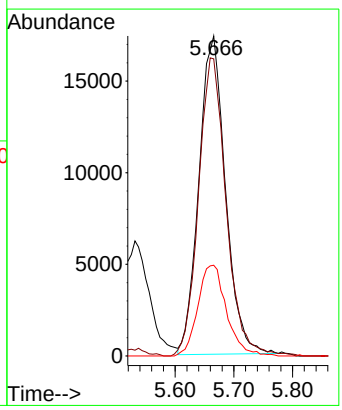


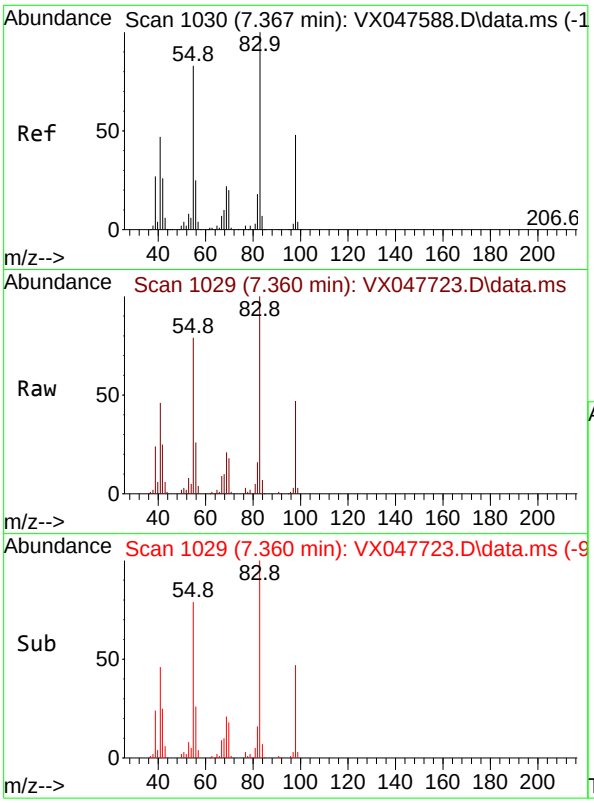




#38
Carbon Tetrachloride
Concen: 15.922 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:117 Resp: 54702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 92.9 | 73.4 | 110.2 |
| 121 | 28.6 | 23.8 | 35.6 |



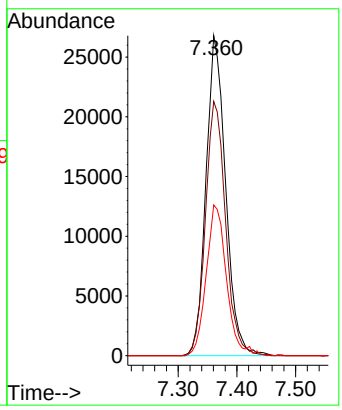


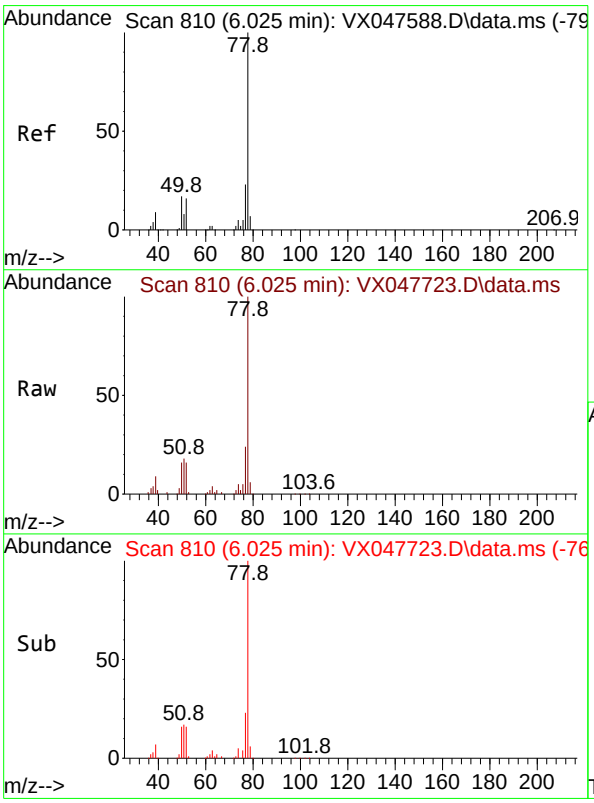

#39
Methylcyclohexane
Concen: 17.344 ug/l
RT: 7.360 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 83 Resp: 62254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 79.4 | 66.4 | 99.6 |
| 98 | 47.1 | 38.1 | 57.1 |

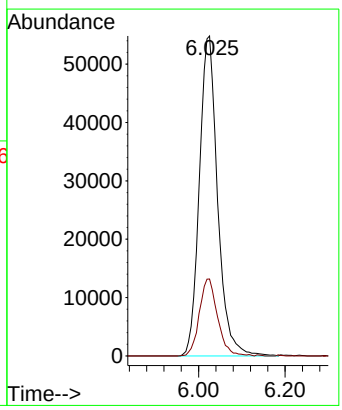


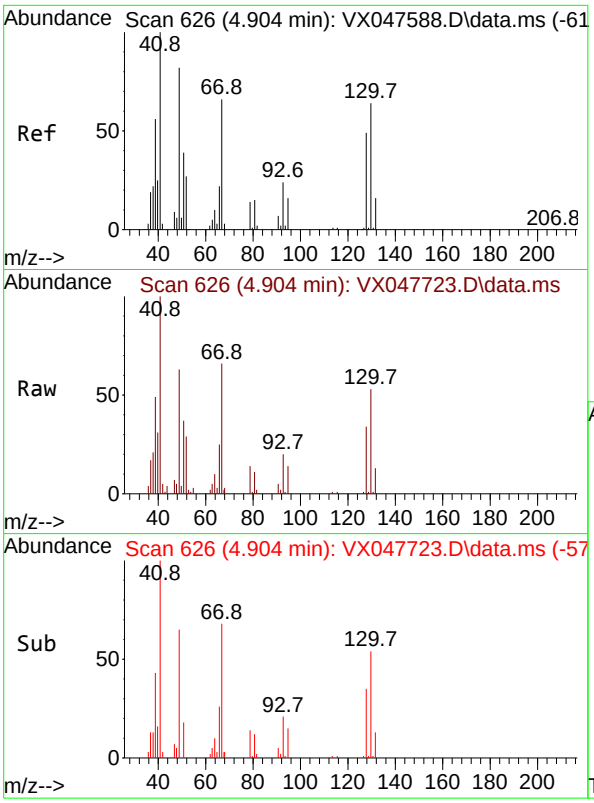




#40
Benzene
Concen: 16.697 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 78 Resp: 160358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 24.0 | 18.8 | 28.2 |



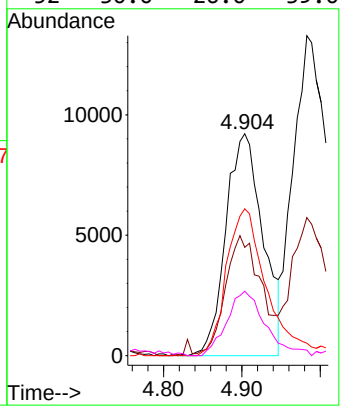


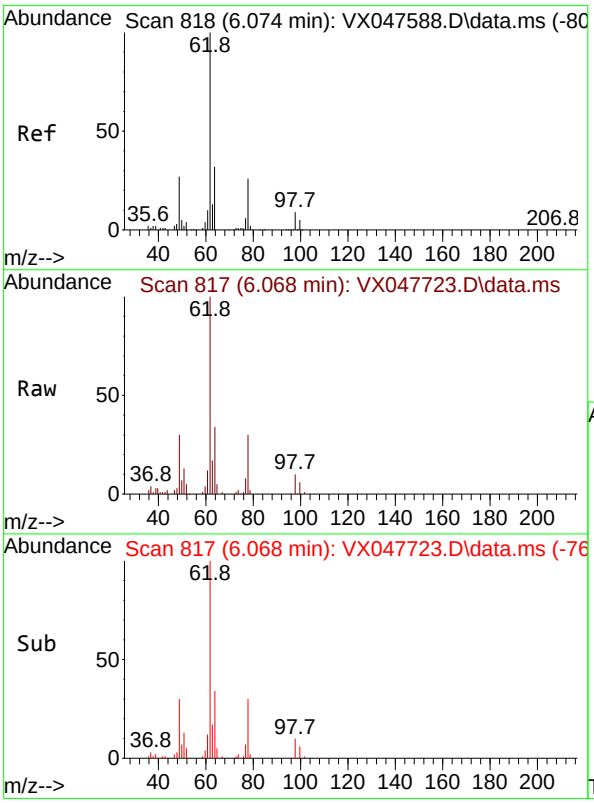

#41
Methacrylonitrile
Concen: 17.365 ug/l
RT: 4.904 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 41 Resp: 30351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 50.0 | 43.3 | 64.9 |
| 67 | 70.6 | 58.6 | 87.8 |
| 52 | 30.0 | 26.0 | 39.0 |

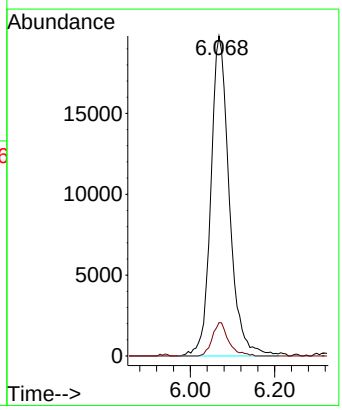


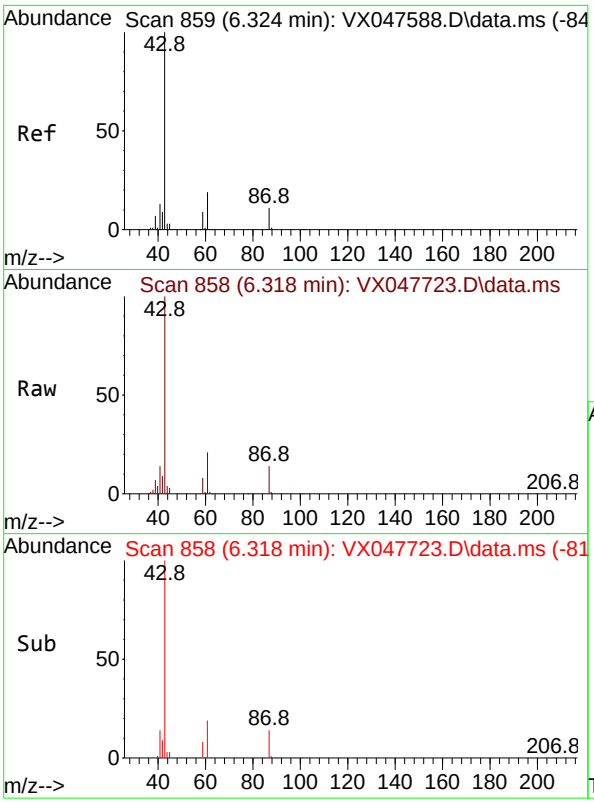




#42
1,2-Dichloroethane
Concen: 16.455 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 62 Resp: 60128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.0 |



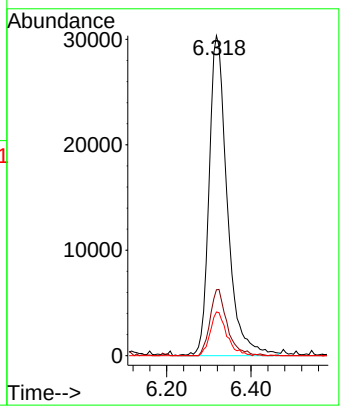


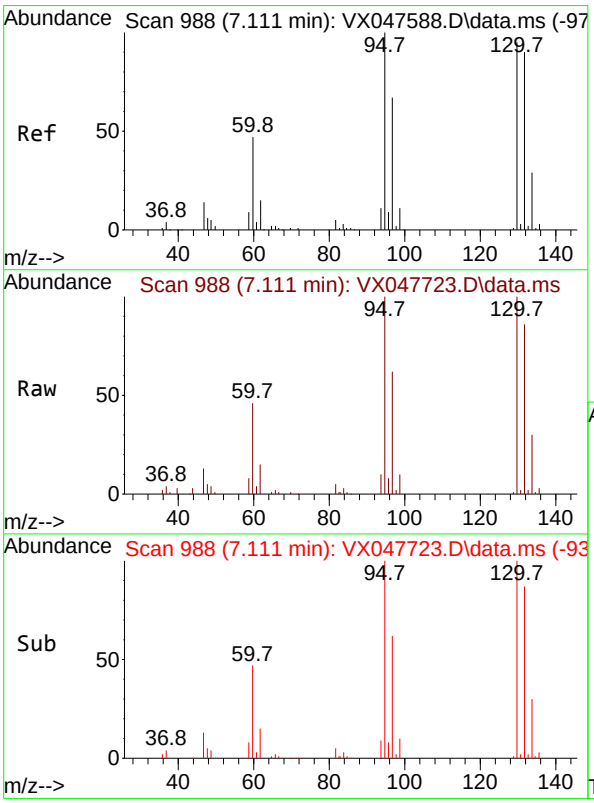

#43
Isopropyl Acetate
Concen: 16.367 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 90880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.5 | 9.6 | 14.4 |

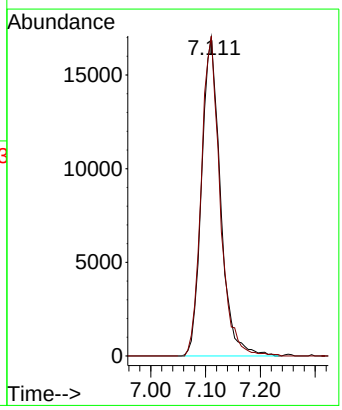


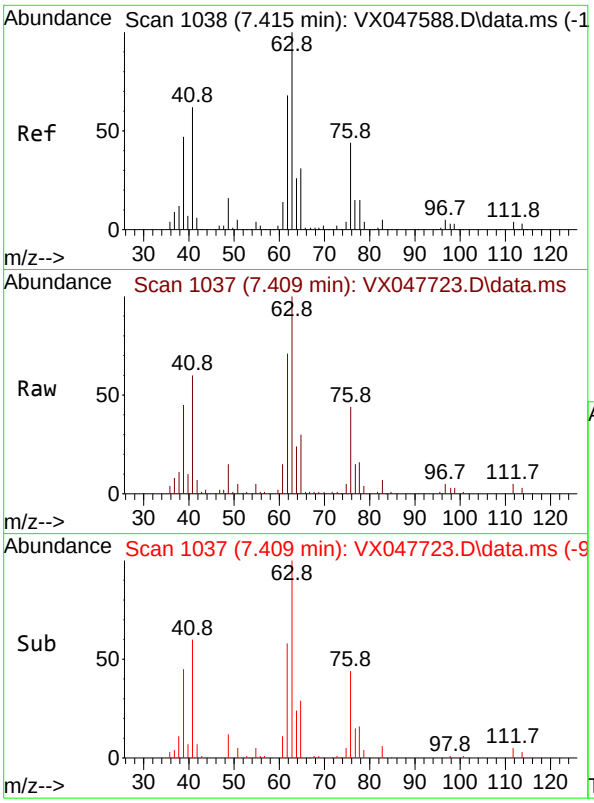




#44
Trichloroethene
Concen: 17.464 ug/l
RT: 7.111 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:130 Resp: 40550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 100.4 | 0.0 | 210.8 |



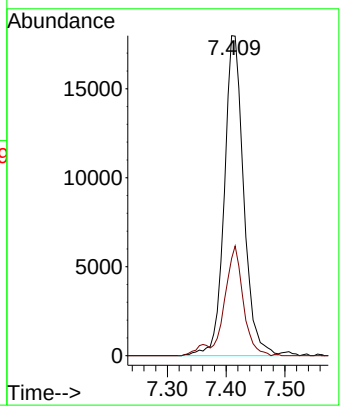


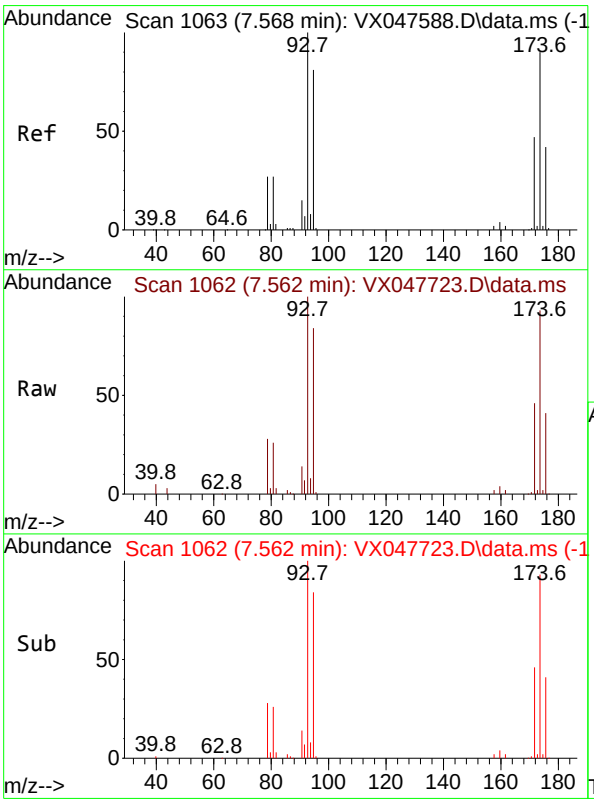

#45
1,2-Dichloropropane
Concen: 16.811 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 63 Resp: 41341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.4 | 24.7 | 37.1 |

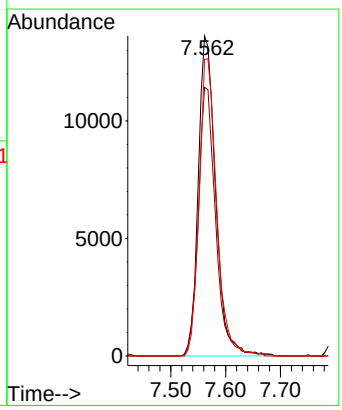


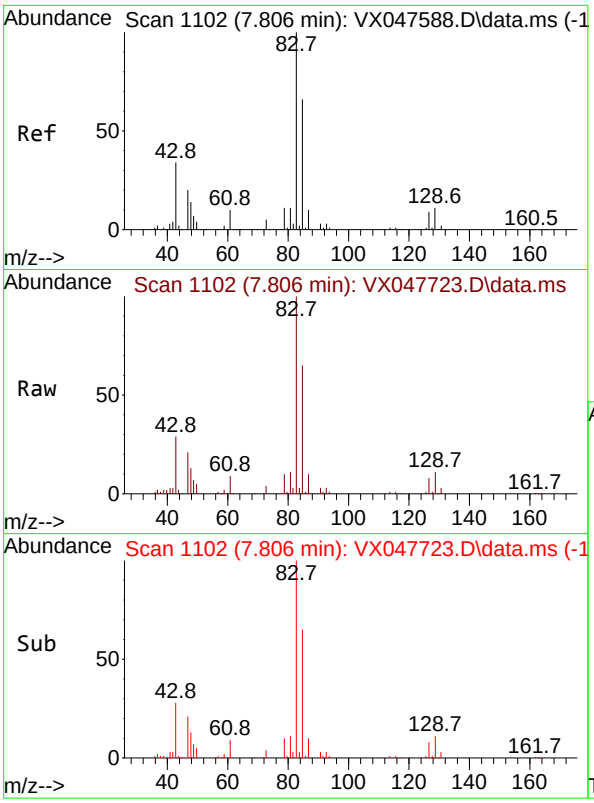




#46
Dibromomethane
Concen: 16.746 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 93 Resp: 29969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.8 | 65.0 | 97.6 |
| 174 | 93.4 | 71.6 | 107.4 |



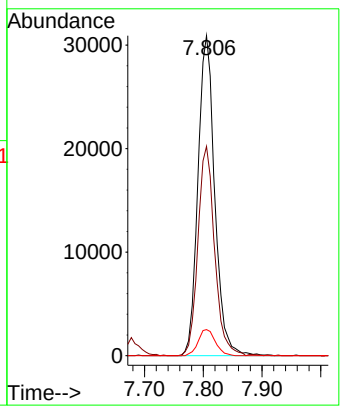


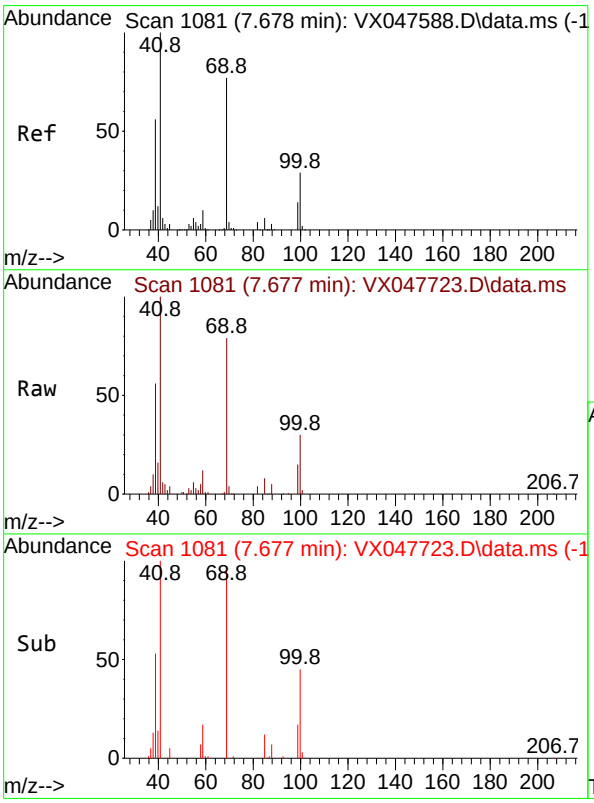

#47
Bromodichloromethane
Concen: 16.577 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 83 Resp: 61218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 65.4 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |

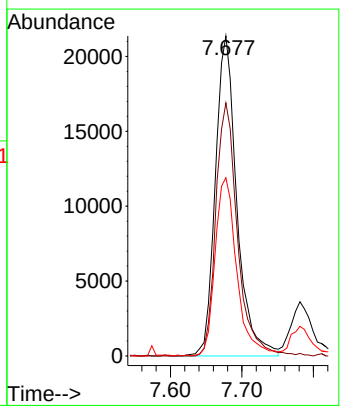


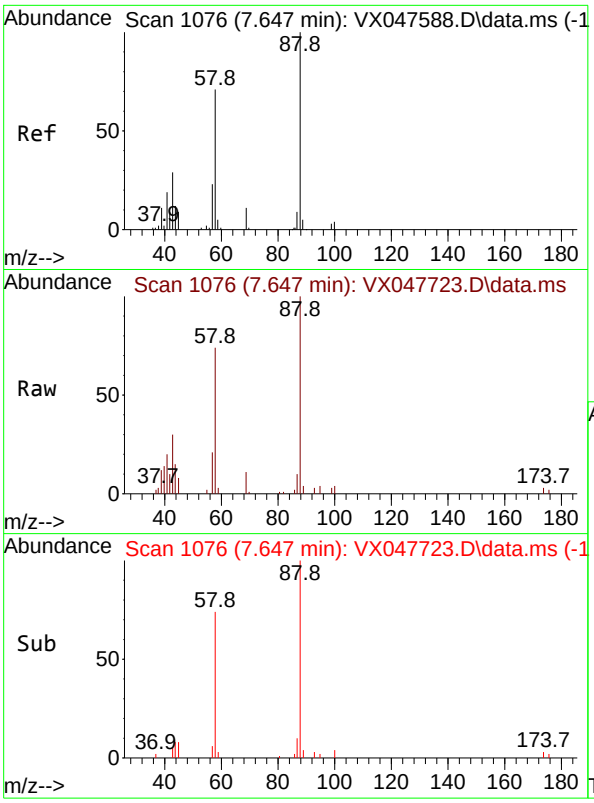




#48
Methyl methacrylate
Concen: 16.166 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 41 Resp: 44713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.6 | 61.4 | 92.2 |
| 39 | 56.3 | 45.8 | 68.6 |



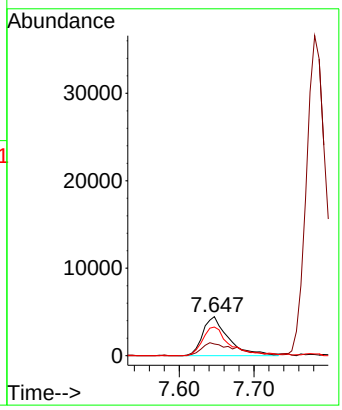


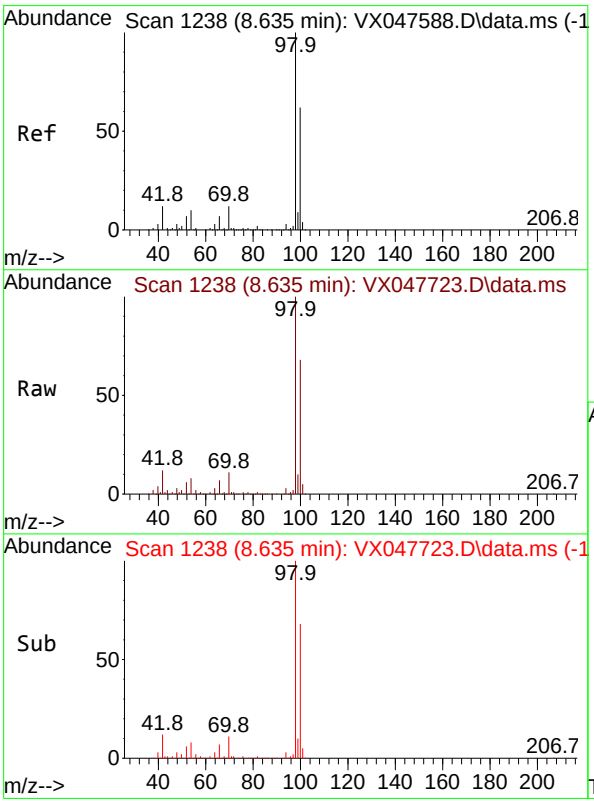

#49
1,4-Dioxane
Concen: 382.549 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 88 Resp: 10693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 45.0 | 30.2 | 45.2 |
| 58 | 76.6 | 59.5 | 89.3 |

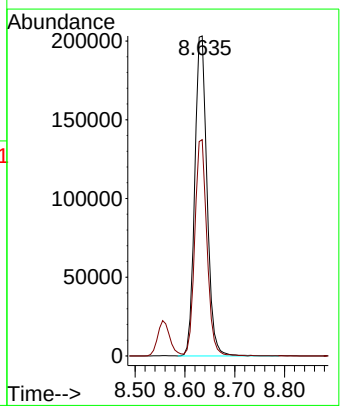


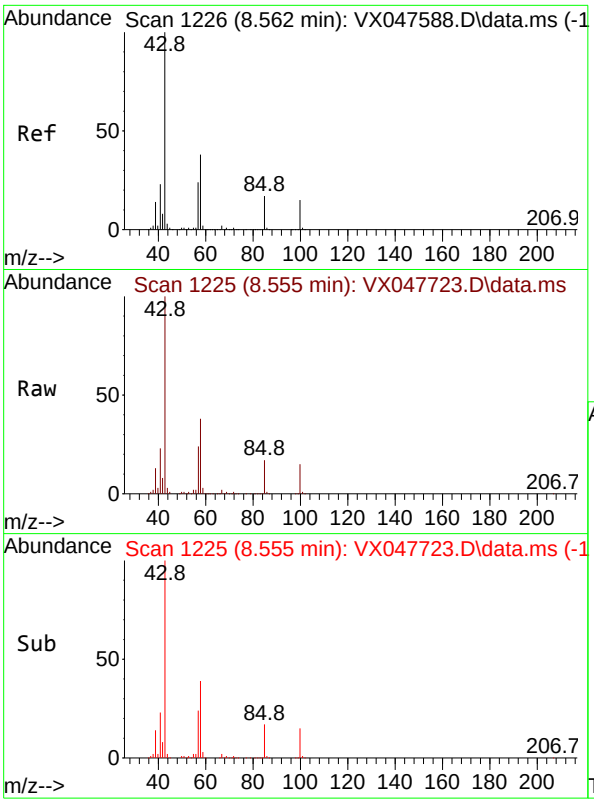




#50
Toluene-d8
Concen: 46.366 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 98 Resp: 347178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.0 | 53.0 | 79.4 |



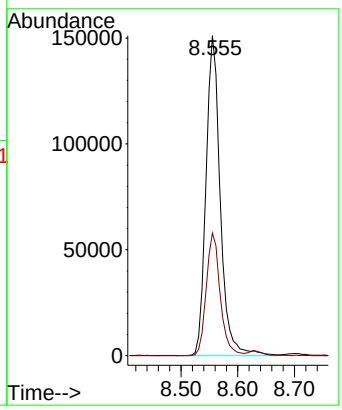


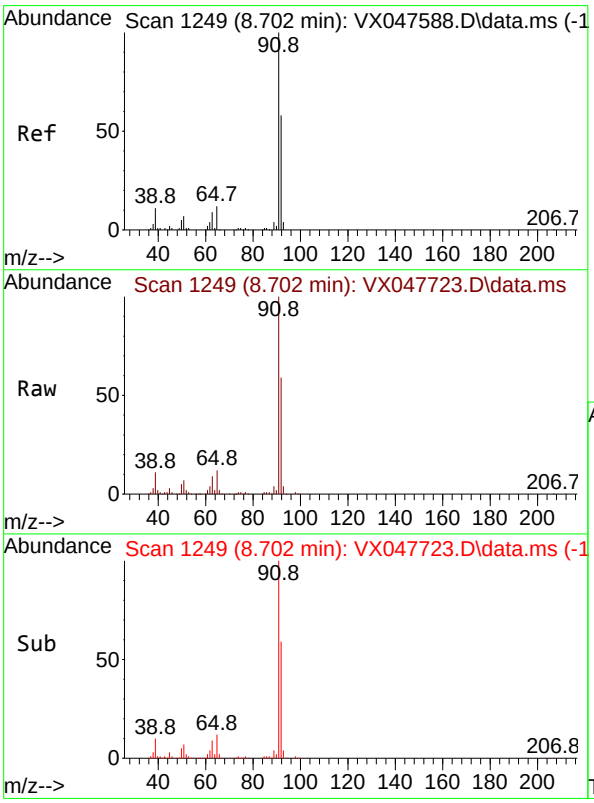

#51
4-Methyl-2-Pentanone
Concen: 85.968 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 264665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.5 | 30.3 | 45.5 |

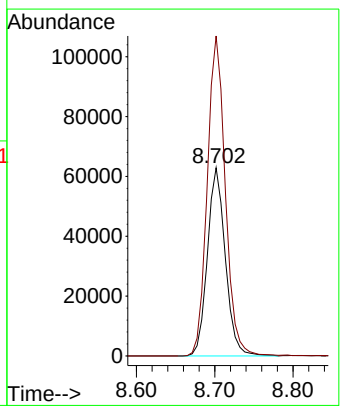


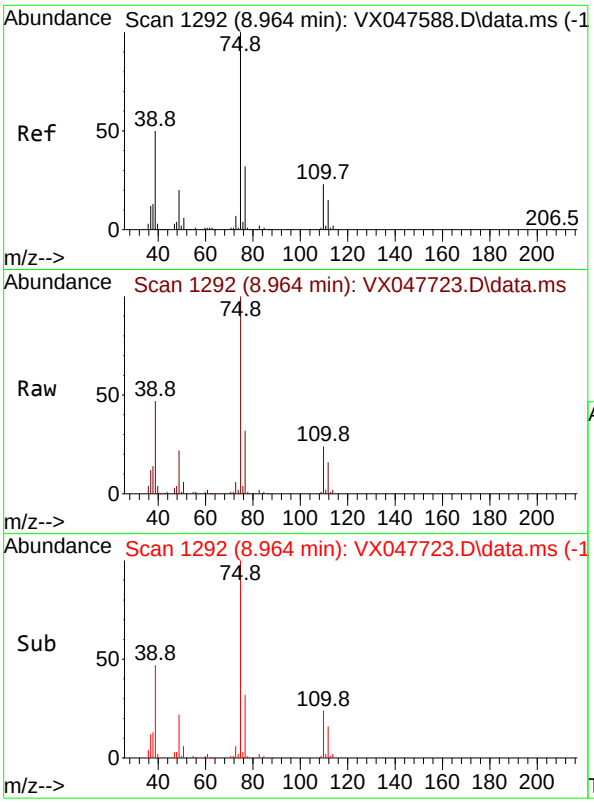




#52
Toluene
Concen: 16.863 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 92 Resp: 99779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.1 | 205.7 |



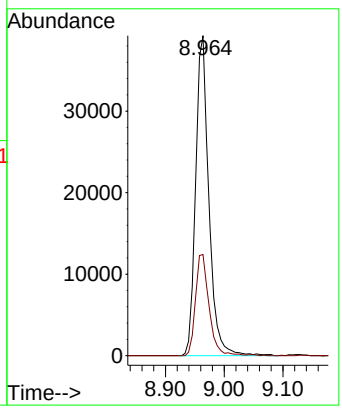


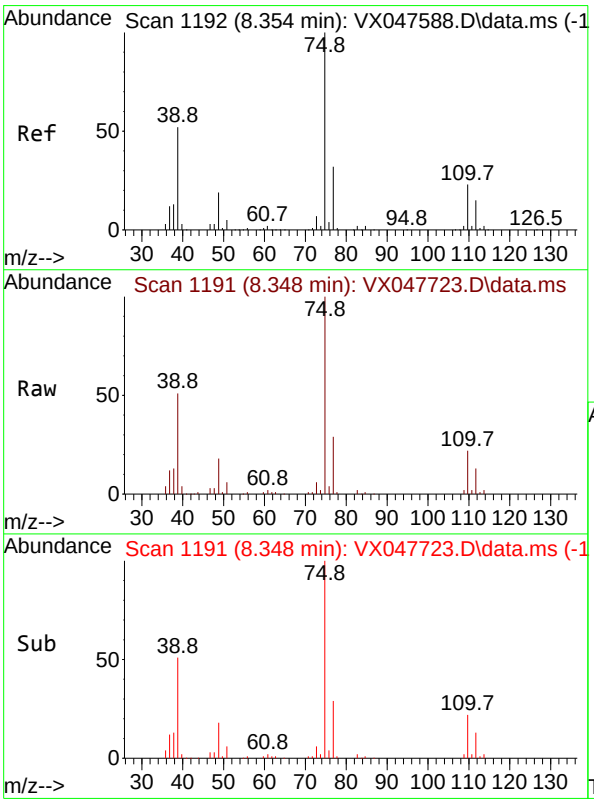

#53
t-1,3-Dichloropropene
Concen: 16.298 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 75 Resp: 61393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |

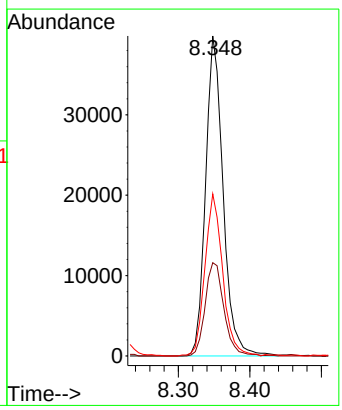


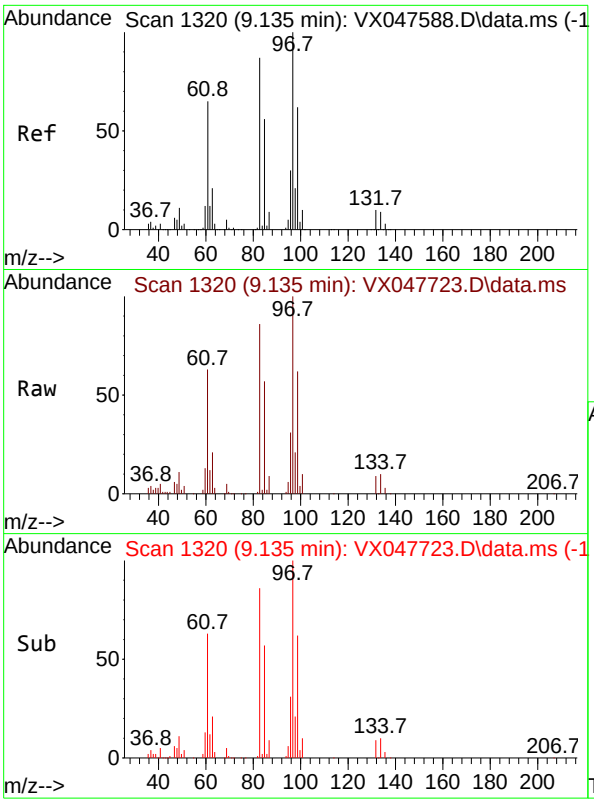




#54
cis-1,3-Dichloropropene
Concen: 16.810 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 67677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.1 | 25.8 | 38.6 |
| 39 | 50.6 | 41.4 | 62.2 |



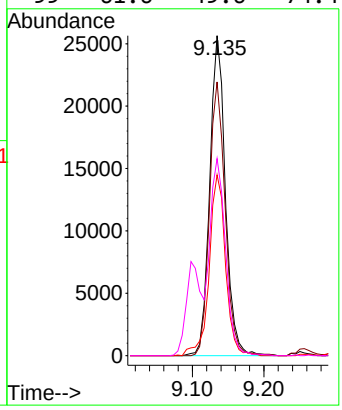


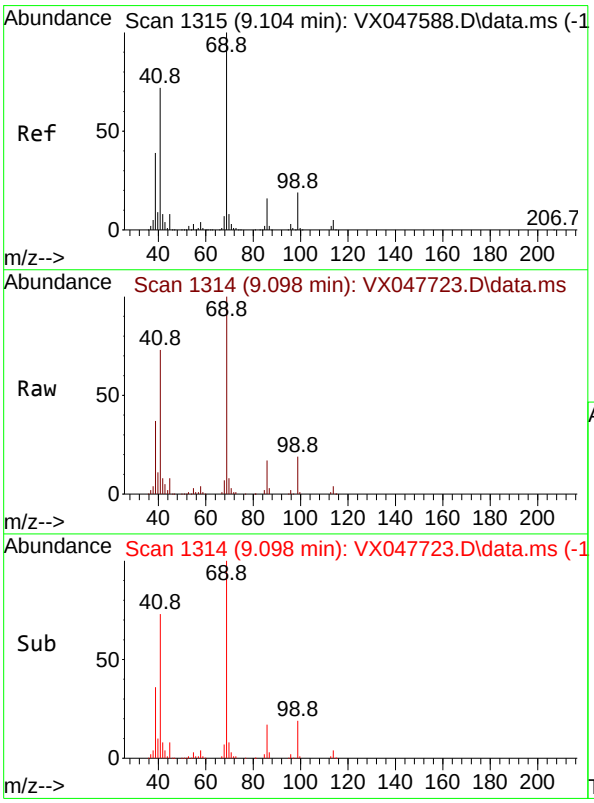

#55
1,1,2-Trichloroethane
Concen: 17.151 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 97 Resp: 39130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.6 | 104.4 |
| 85 | 56.5 | 45.0 | 67.6 |
| 99 | 61.6 | 49.6 | 74.4 |

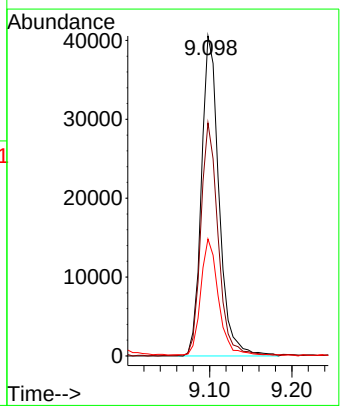


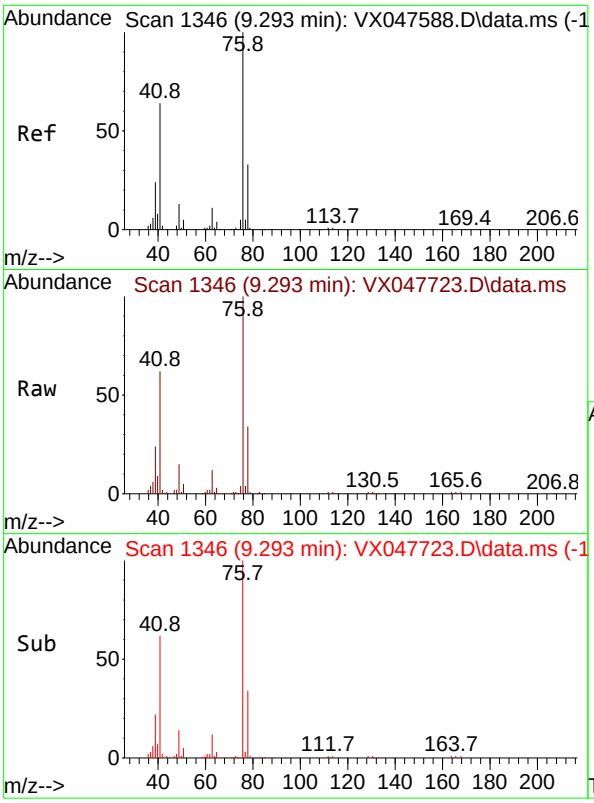




#56
Ethyl methacrylate
Concen: 16.859 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 69 Resp: 60408

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 71.2 | 58.6 | 87.8 |
| 39 | 37.8 | 31.5 | 47.3 |



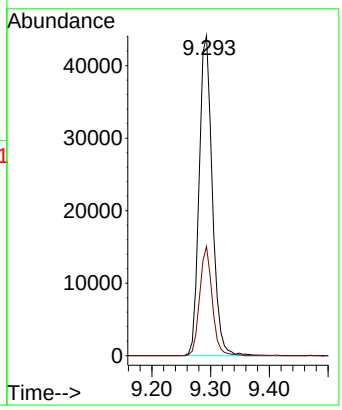


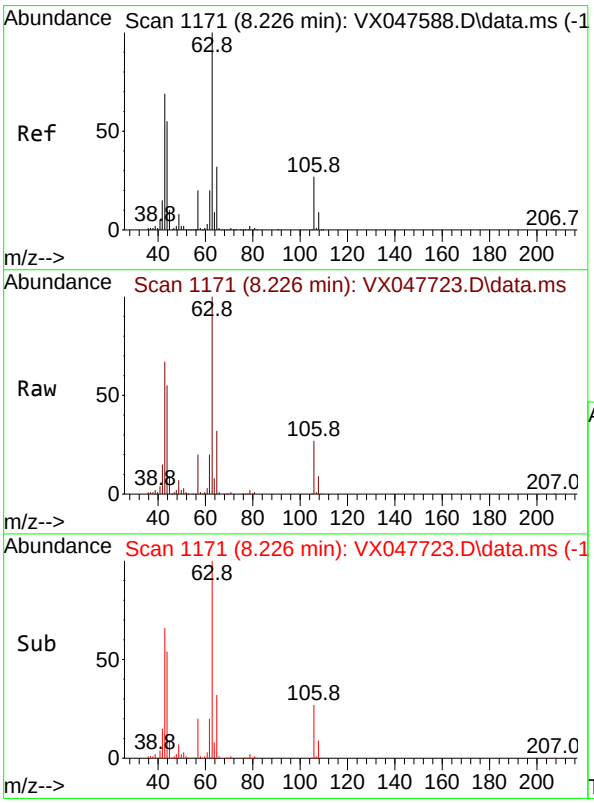

#57
1,3-Dichloropropane
Concen: 17.525 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 76 Resp: 68685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.4 | 26.2 | 39.4 |

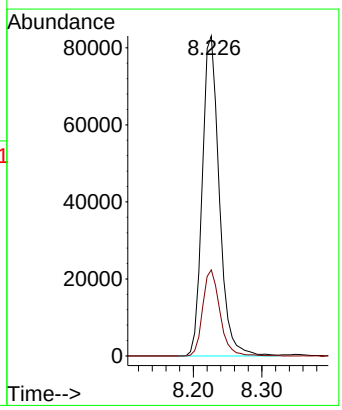


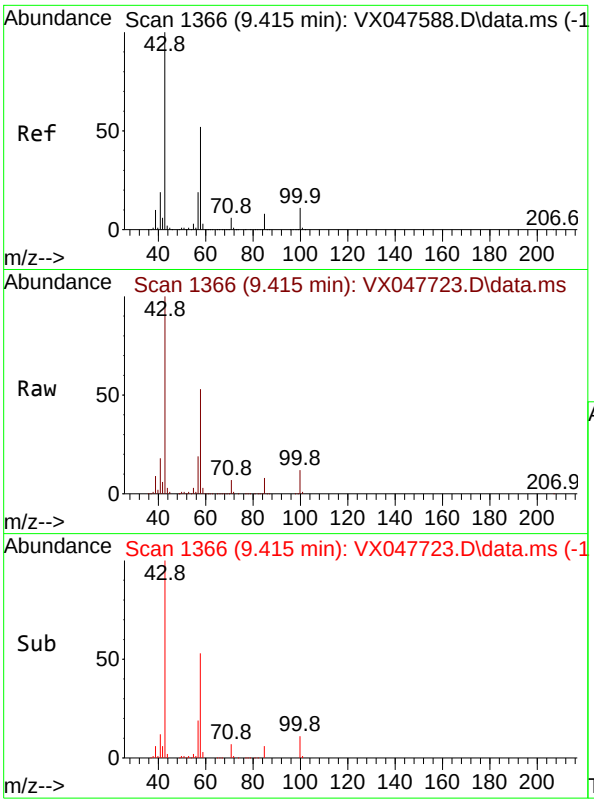




#58
2-Chloroethyl Vinyl ether
Concen: 91.195 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 63 Resp: 143660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.9 | 32.9 |



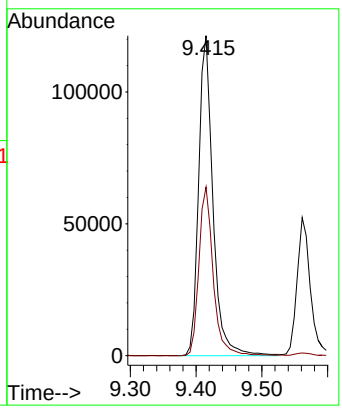


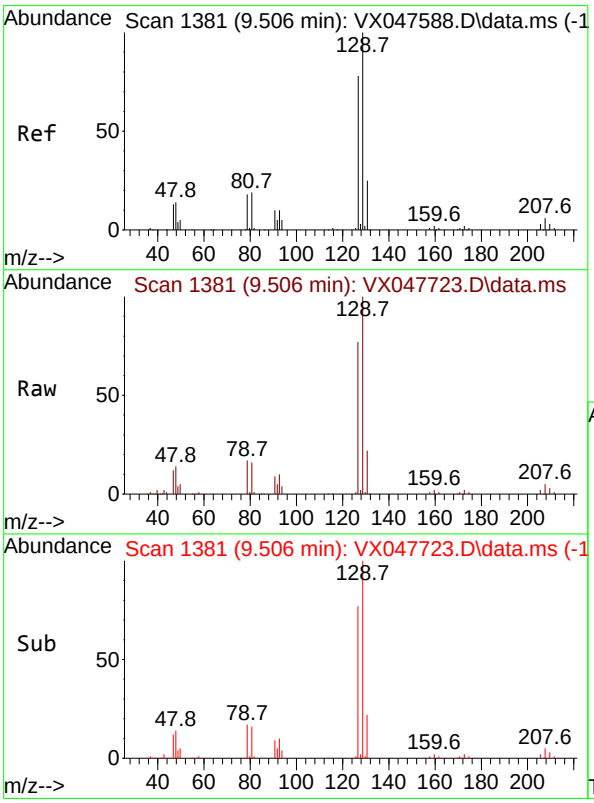

#59
2-Hexanone
Concen: 83.000 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 43 Resp: 183521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |

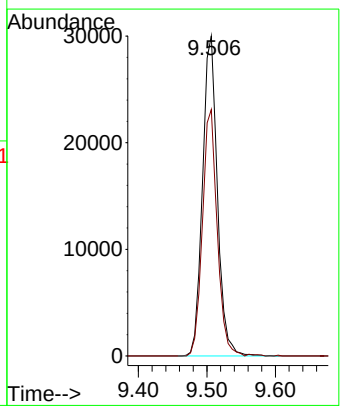


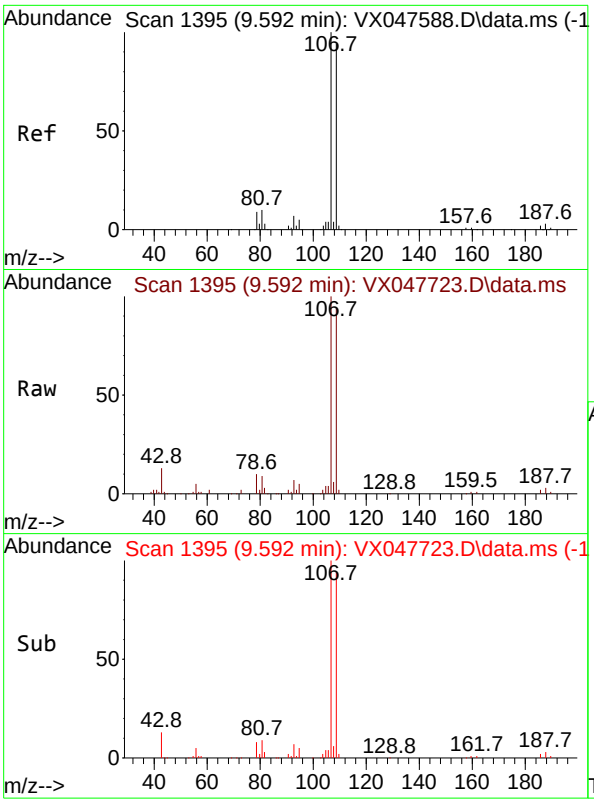




#60
Dibromochloromethane
Concen: 17.249 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:129 Resp: 45346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 76.4 | 38.4 | 115.2 |



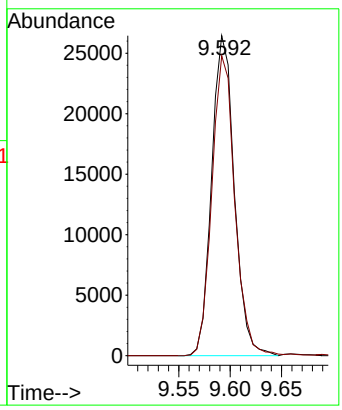


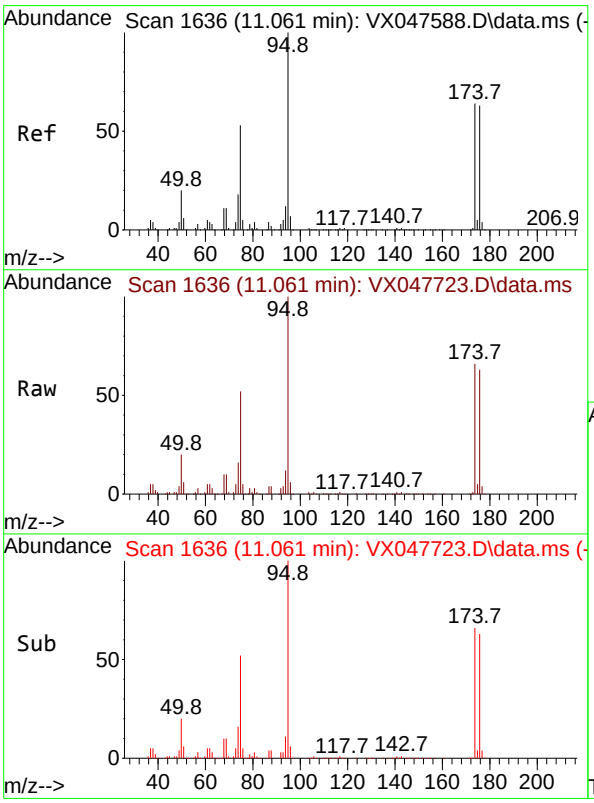

#61
1,2-Dibromoethane
Concen: 17.435 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:107 Resp: 40518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 95.1 | 75.3 | 112.9 |

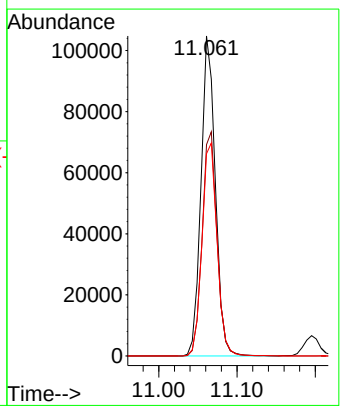


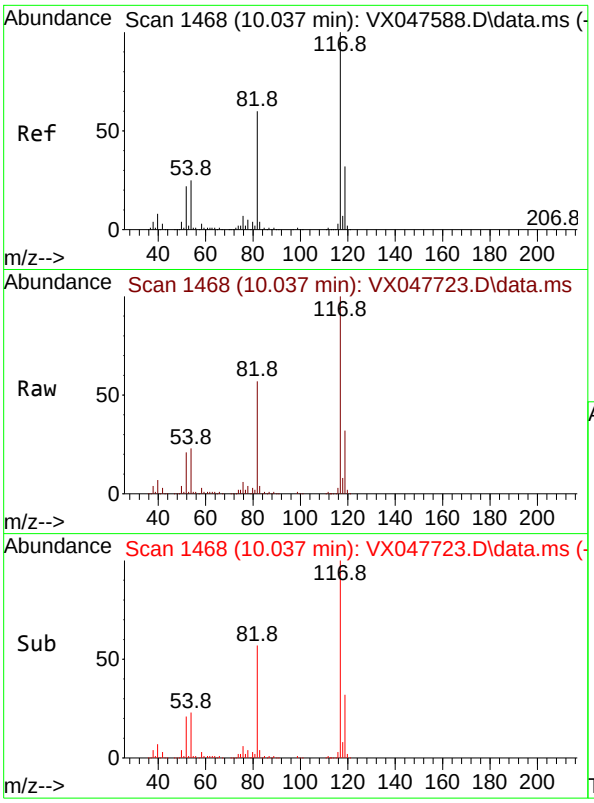




#62
4-Bromofluorobenzene
Concen: 46.772 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 95 Resp: 132914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.1 | 0.0 | 141.6 |
| 176 | 70.0 | 0.0 | 138.4 |



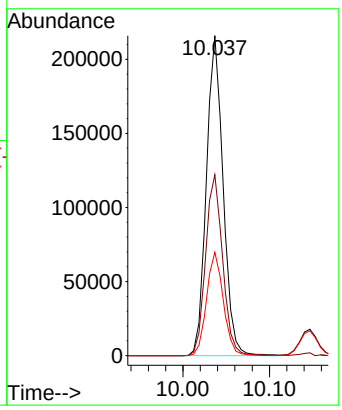


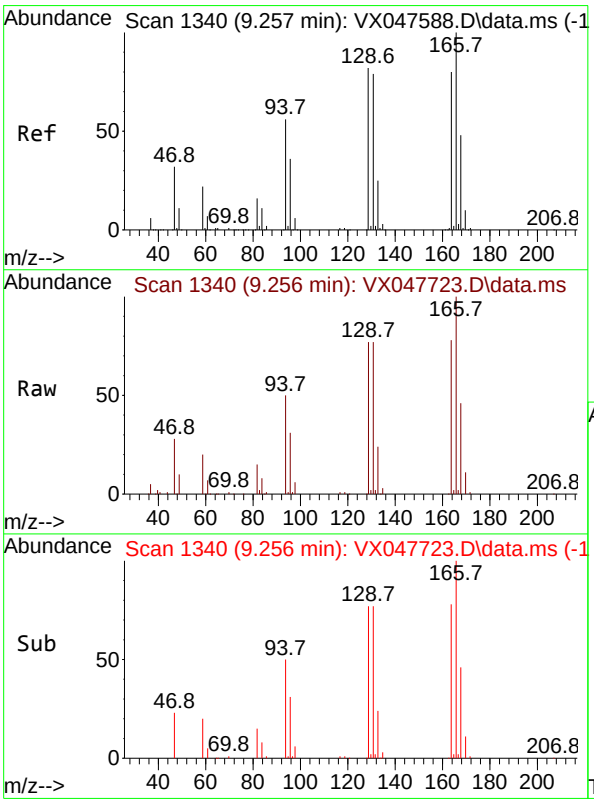

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:117 Resp: 289792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.6 | 47.8 | 71.6 |
| 119 | 32.3 | 25.2 | 37.8 |

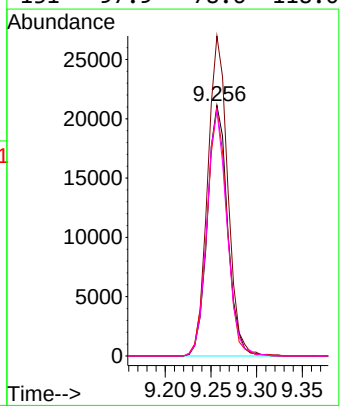


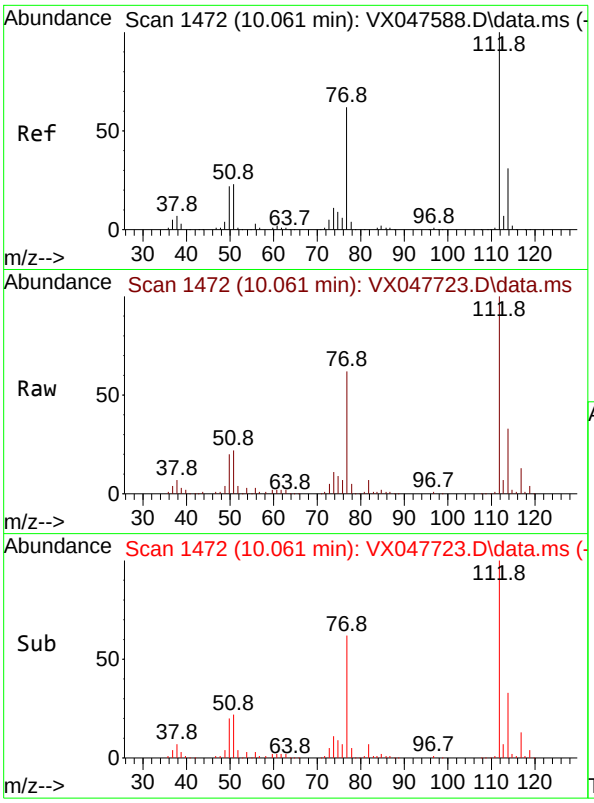




#64
Tetrachloroethene
Concen: 17.136 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:164 Resp: 32372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 127.7 | 100.2 | 150.2 |
| 129 | 98.8 | 81.8 | 122.6 |
| 131 | 97.9 | 78.6 | 118.0 |



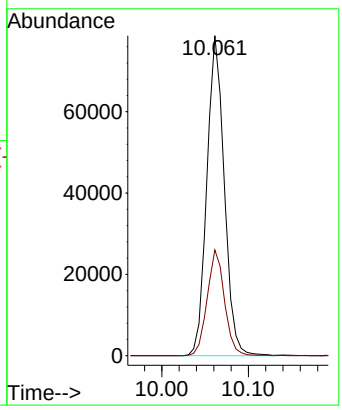


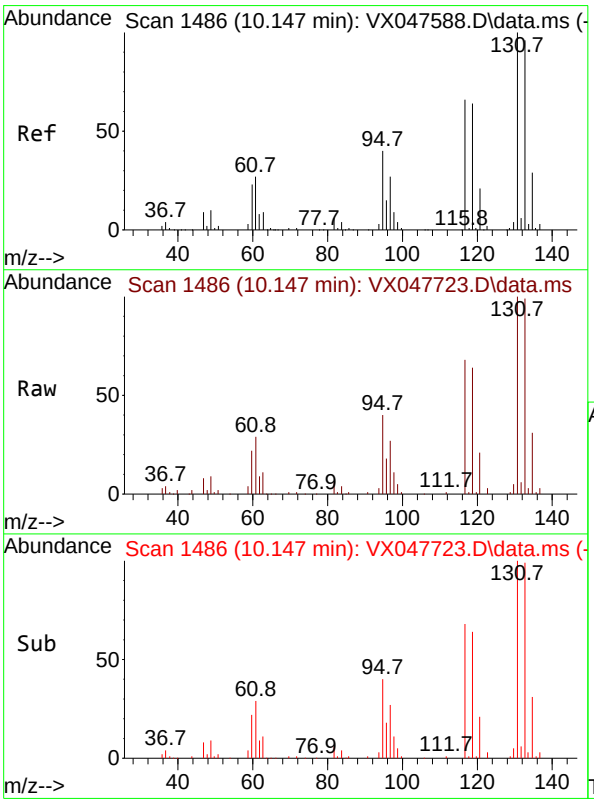

#65
Chlorobenzene
Concen: 16.694 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:112 Resp: 109903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 33.0 | 25.1 | 37.7 |

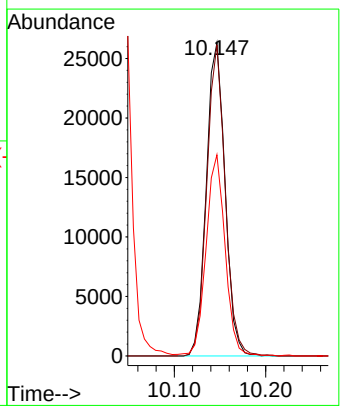


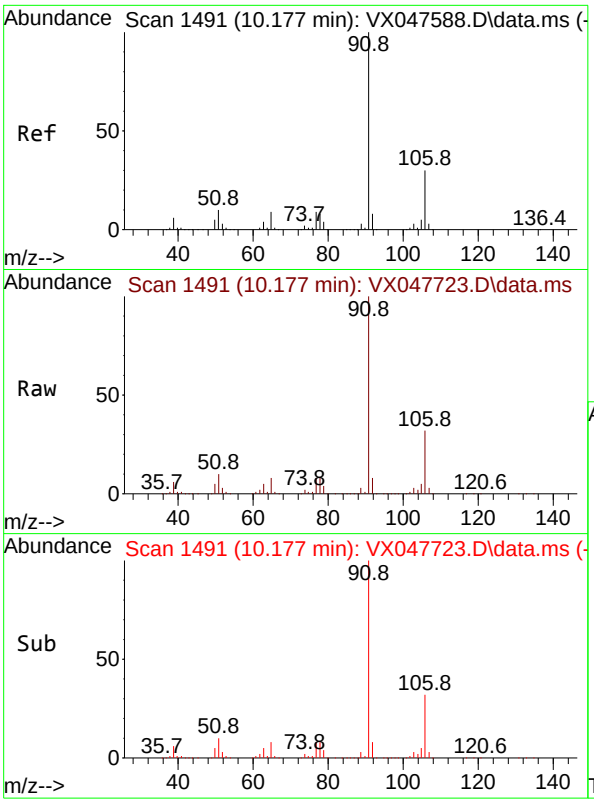




#66
1,1,1,2-Tetrachloroethane
Concen: 16.455 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:131 Resp: 37383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 97.8 | 47.3 | 142.0 |
| 119 | 65.4 | 32.0 | 96.0 |



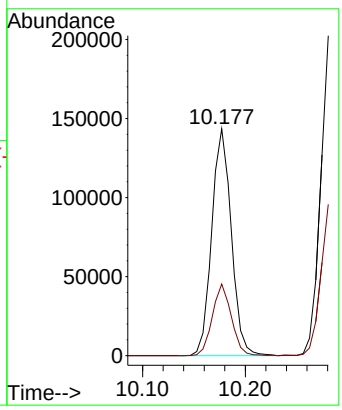


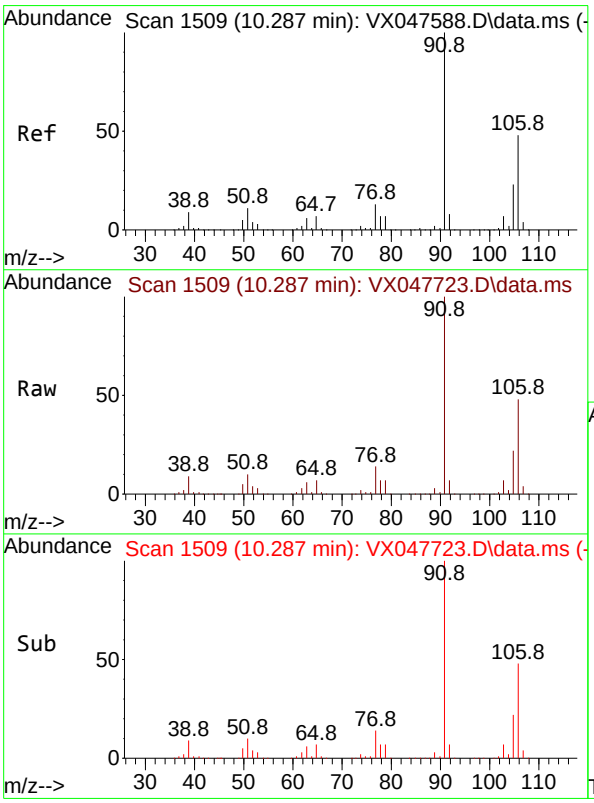

#67
Ethyl Benzene
Concen: 16.684 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 91 Resp: 189524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 31.6 | 24.3 | 36.5 |

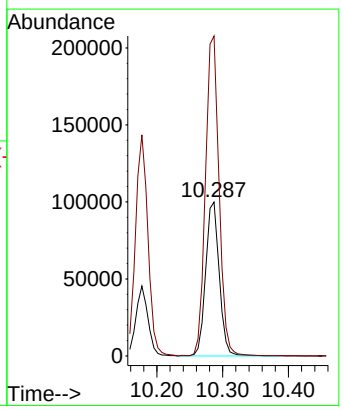


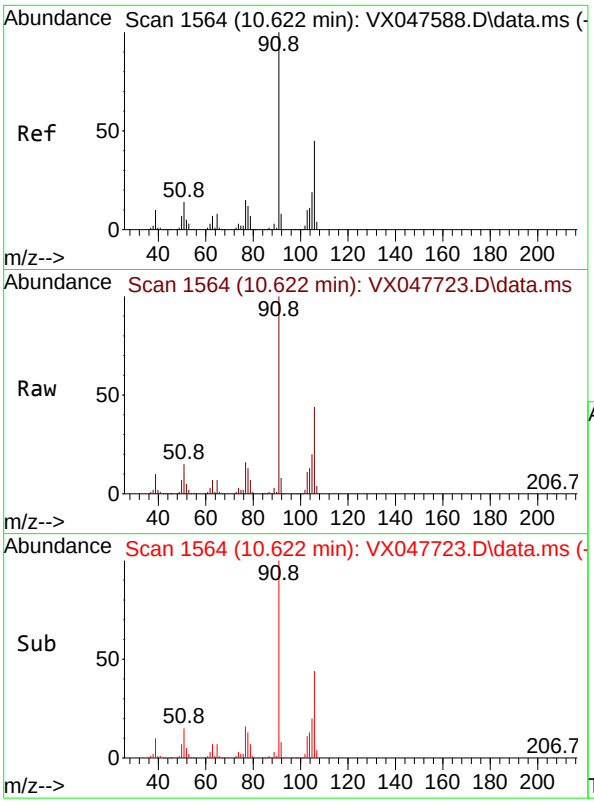




#68
m/p-Xylenes
Concen: 33.927 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:106 Resp: 143444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 209.1 | 167.8 | 251.8 |



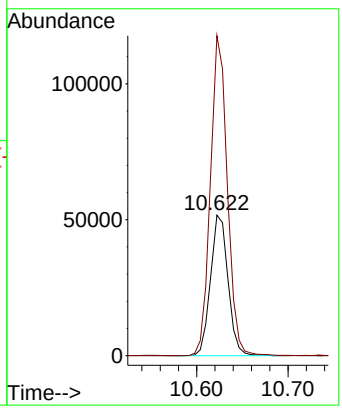


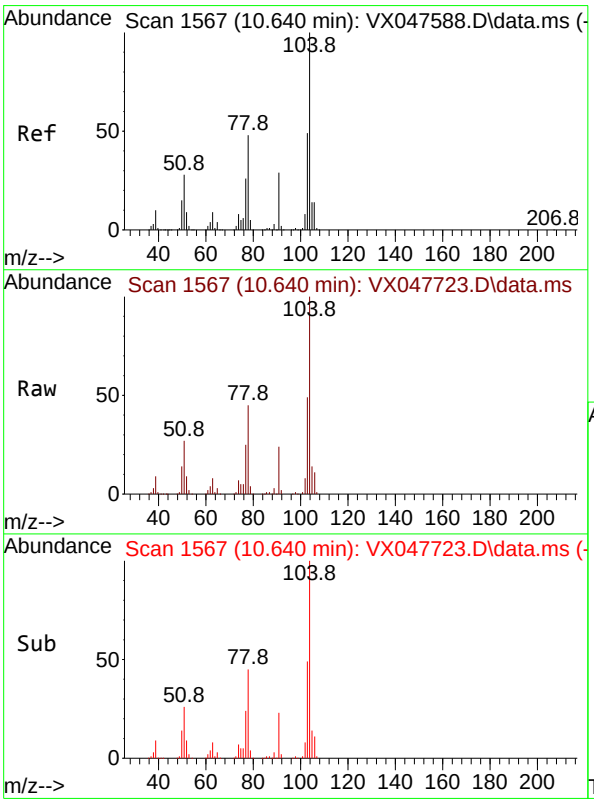

#69
o-Xylene
Concen: 16.861 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:106 Resp: 68954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.7 | 111.1 | 333.4 |

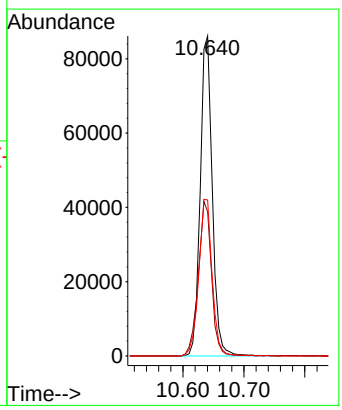


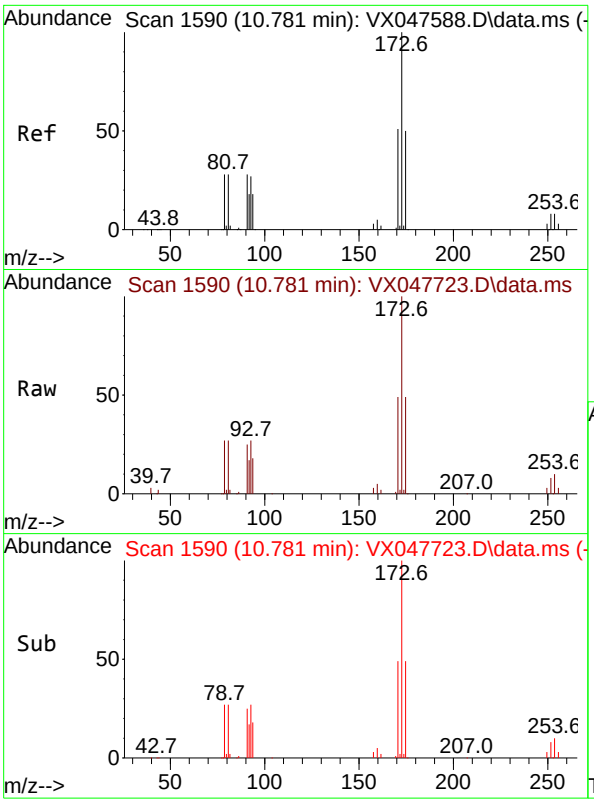




#70
Styrene
Concen: 16.552 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:104 Resp: 118603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 53.0 | 43.1 | 64.7 |
| 103 | 54.4 | 43.1 | 64.7 |



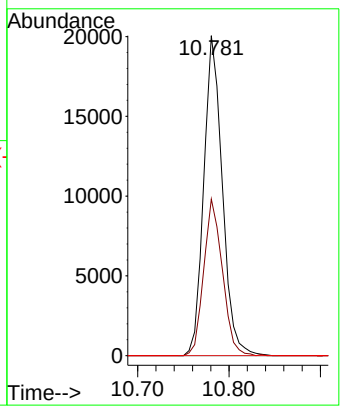


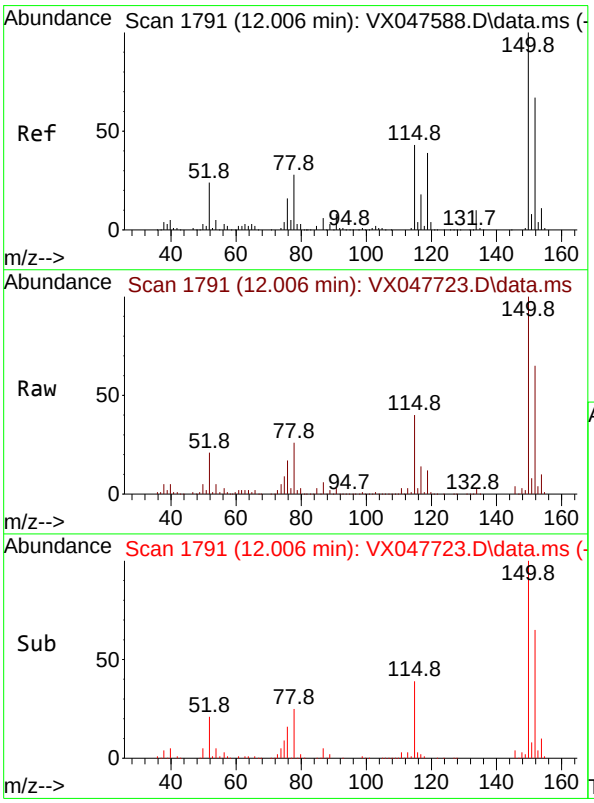

#71
Bromoform
Concen: 16.646 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:173 Resp: 28237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.1 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

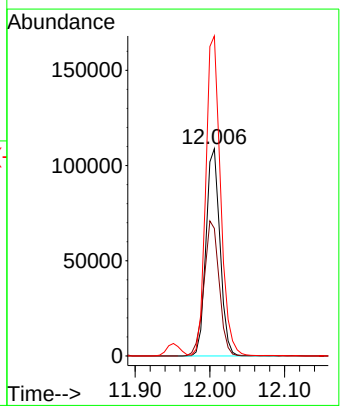


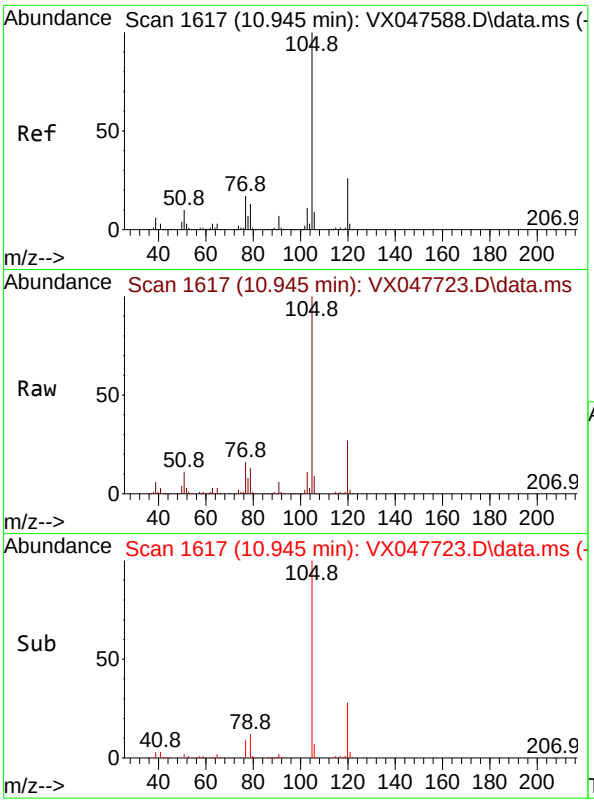




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:152 Resp: 141661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.3 | 44.9 | 134.5 |
| 150 | 161.9 | 0.0 | 352.0 |



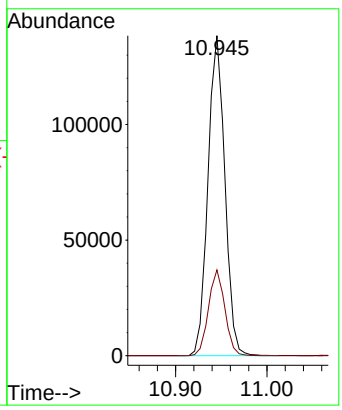


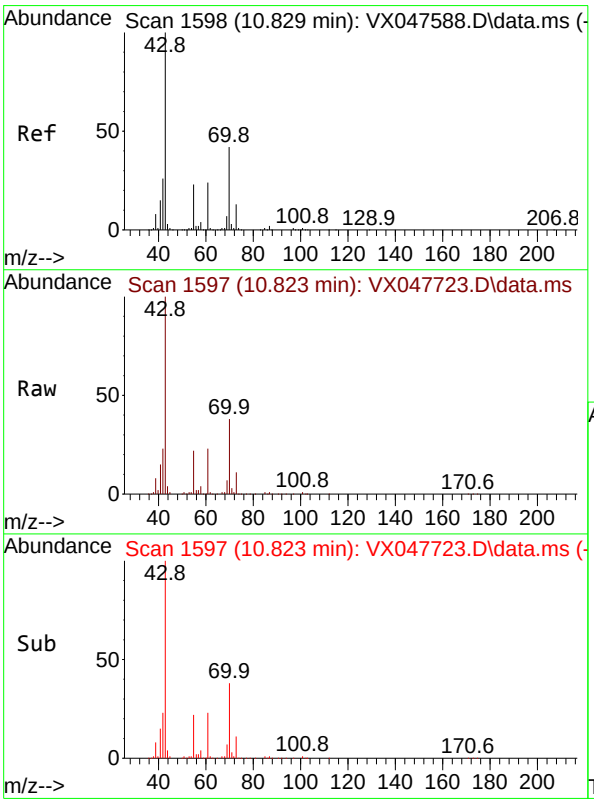

#73
Isopropylbenzene
Concen: 16.449 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:105 Resp: 177153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |

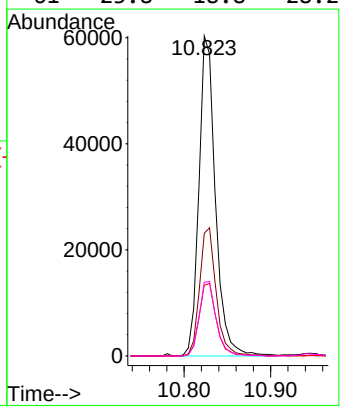


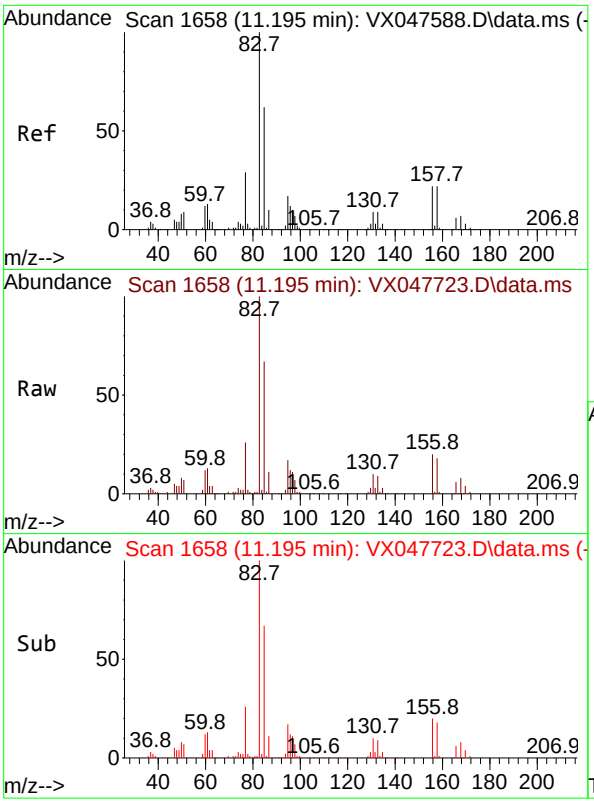




#74
N-amyl acetate
Concen: 16.296 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 43 Resp: 80035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.3 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.8 | 18.8 | 28.2 |



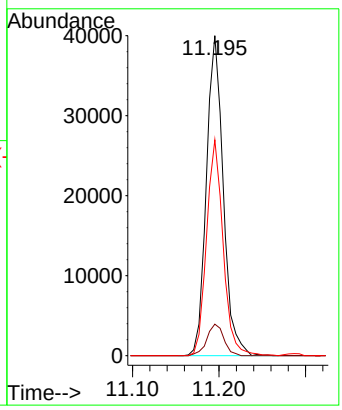


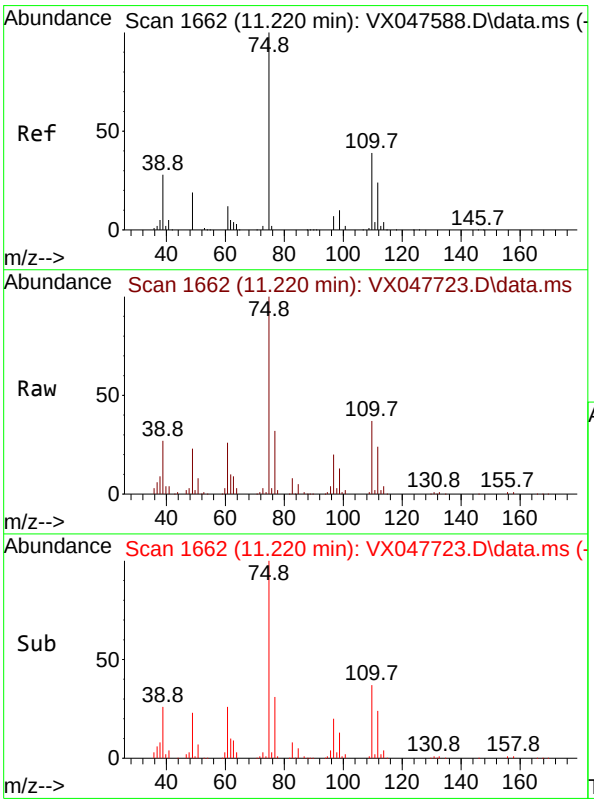

#75
1,1,2,2-Tetrachloroethane
Concen: 16.590 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 83 Resp: 54058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 10.0 | 5.0 | 14.9 |
| 85 | 66.4 | 31.6 | 95.0 |

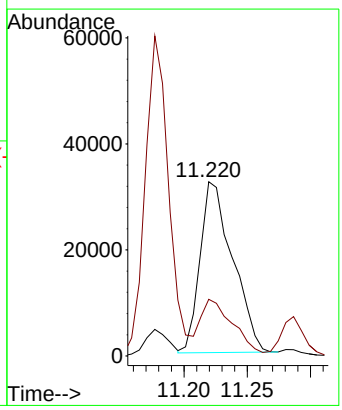


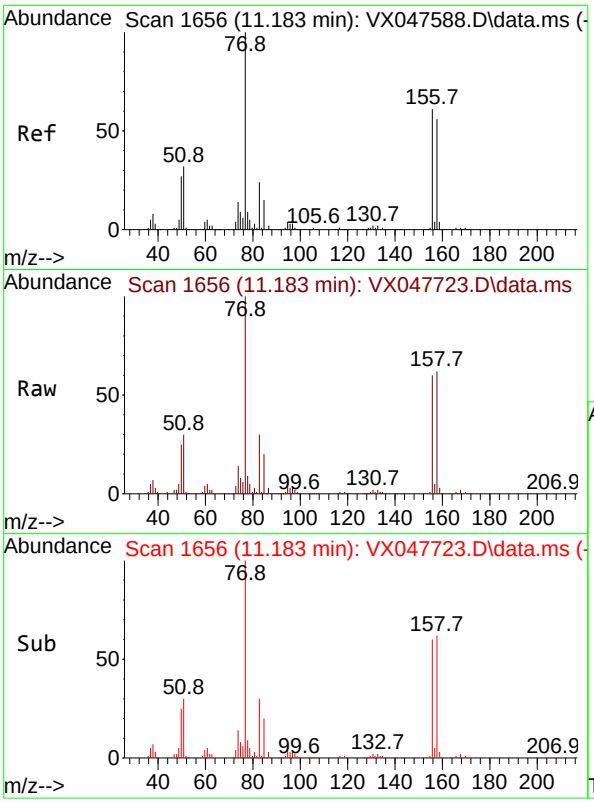




#76
1,2,3-Trichloropropane
Concen: 20.213 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 57976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 18.8 | 56.4 |



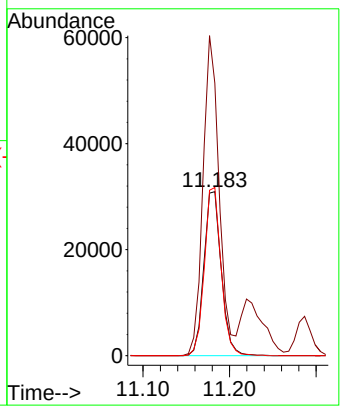


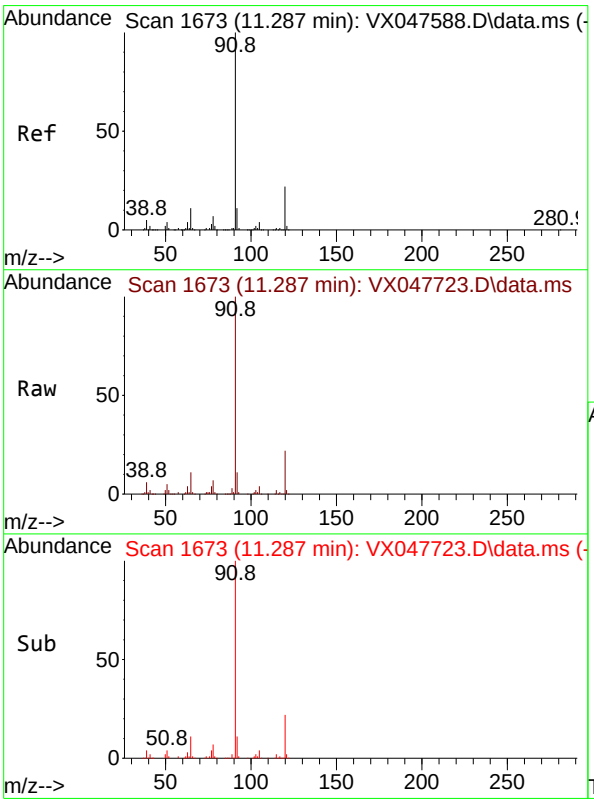

#77
Bromobenzene
Concen: 16.287 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:156 Resp: 43202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 181.8 | 89.7 | 269.1 |
| 158 | 98.4 | 47.9 | 143.6 |

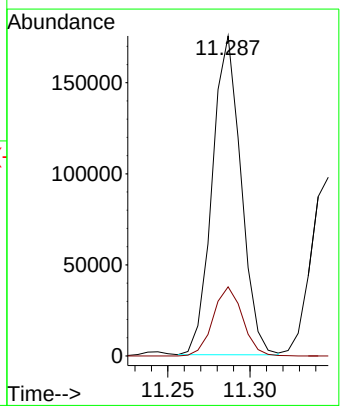


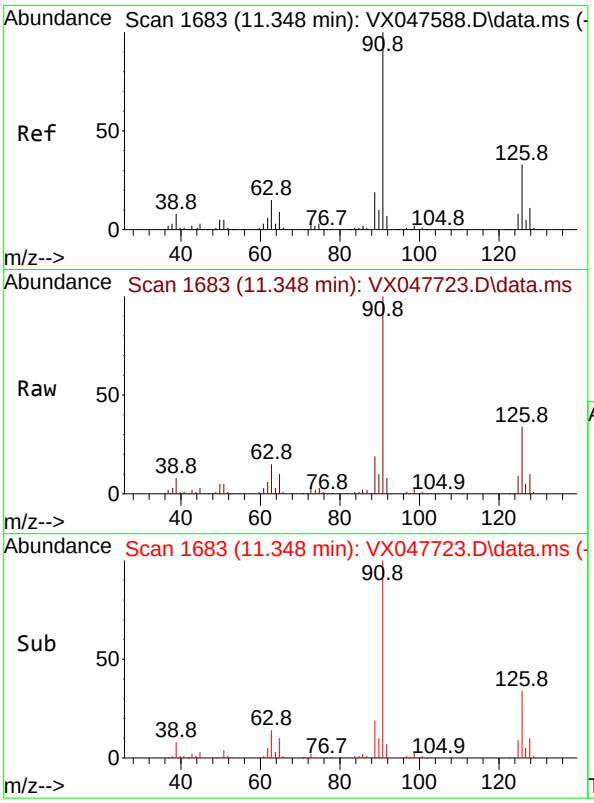




#78
n-propylbenzene
Concen: 16.736 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 213079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.1 | 11.1 | 33.1 |



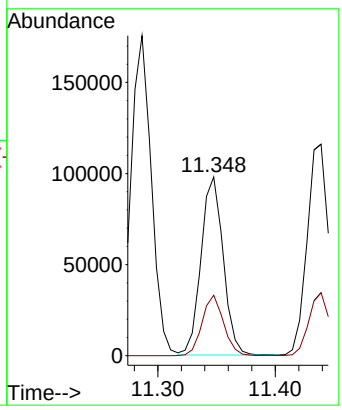


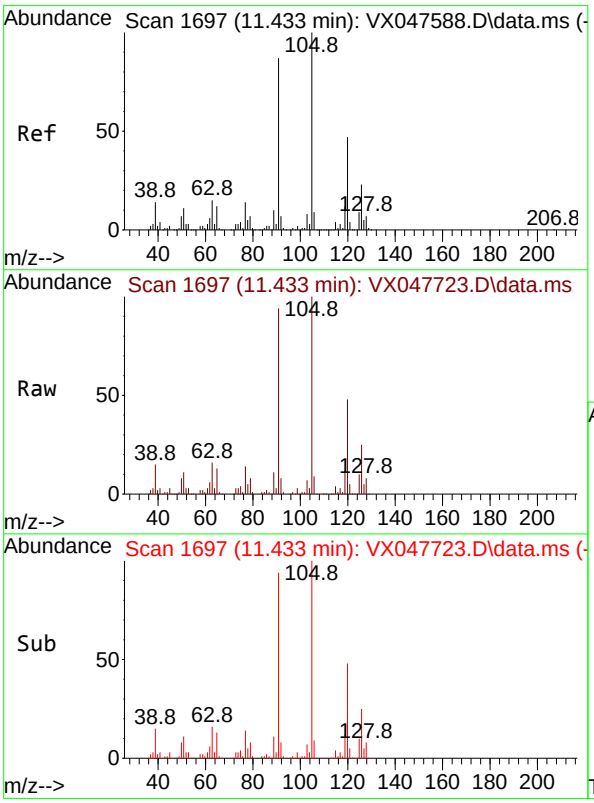

#79
2-Chlorotoluene
Concen: 16.446 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 91 Resp: 128239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |

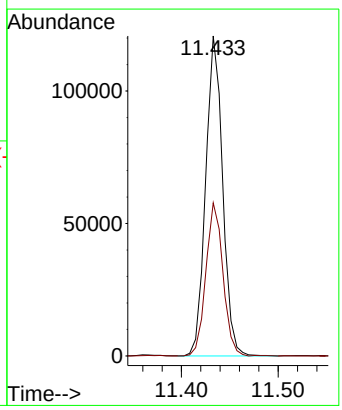


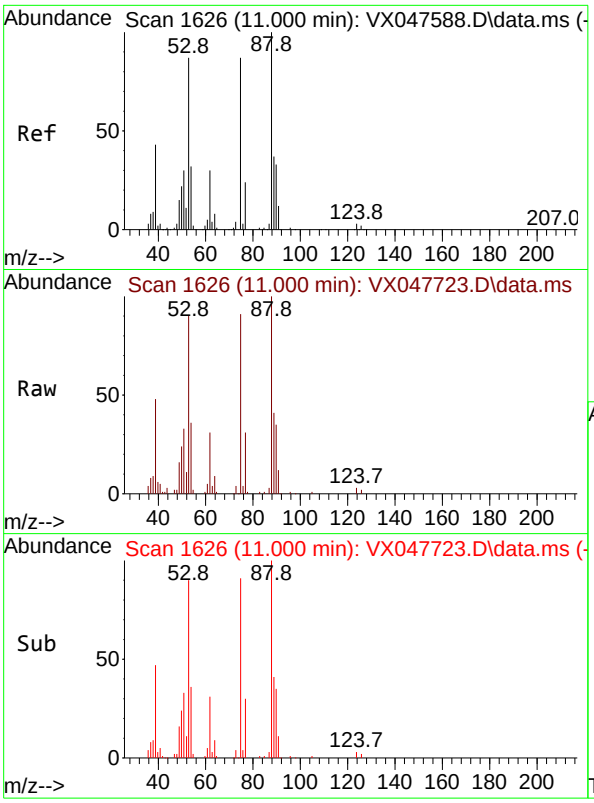




#80
1,3,5-Trimethylbenzene
Concen: 16.707 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 147832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.1 | 23.6 | 70.8 |



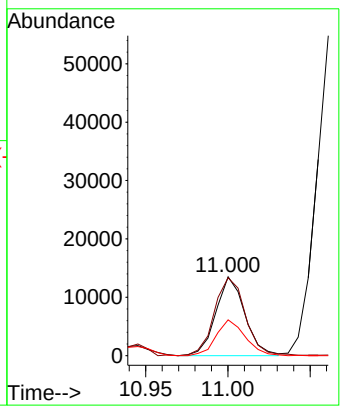


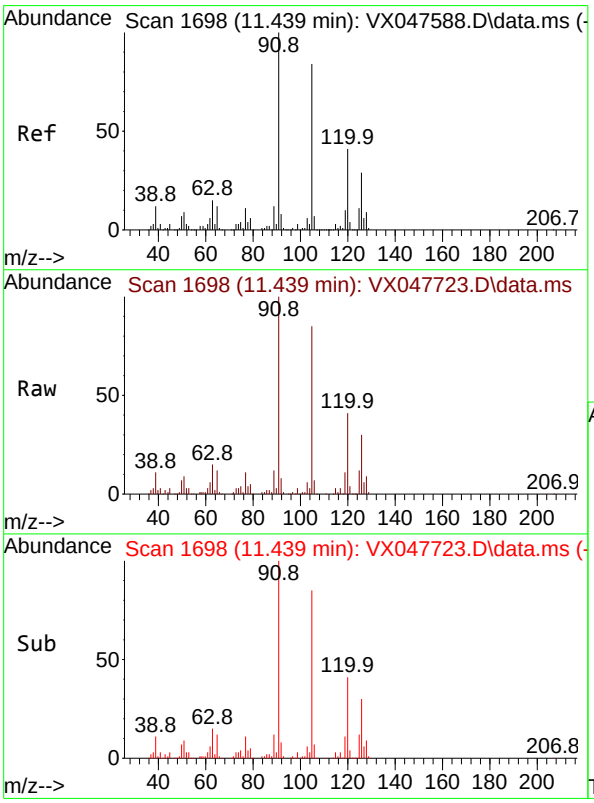

#81
trans-1,4-Dichloro-2-butene
Concen: 14.736 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 75 Resp: 16574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 105.6 | 83.4 | 125.2 |
| 89 | 45.5 | 36.3 | 54.5 |

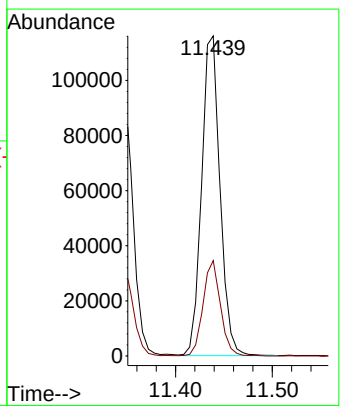


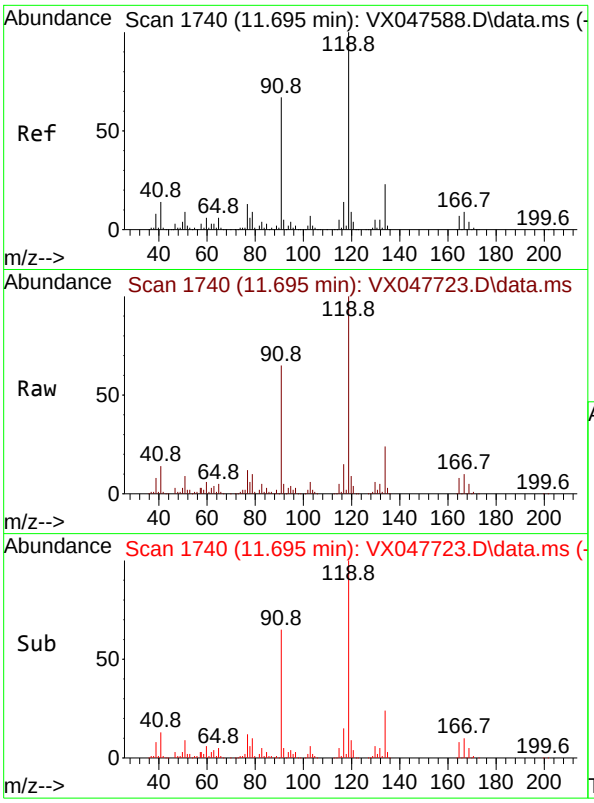




#82
4-Chlorotoluene
Concen: 16.677 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 91 Resp: 153584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.3 | 14.2 | 42.6 |



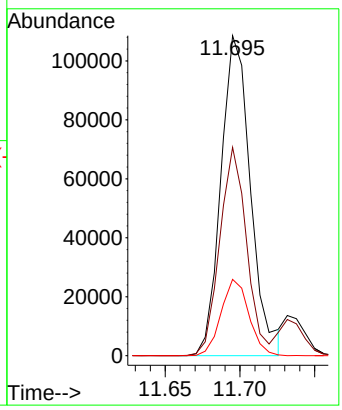


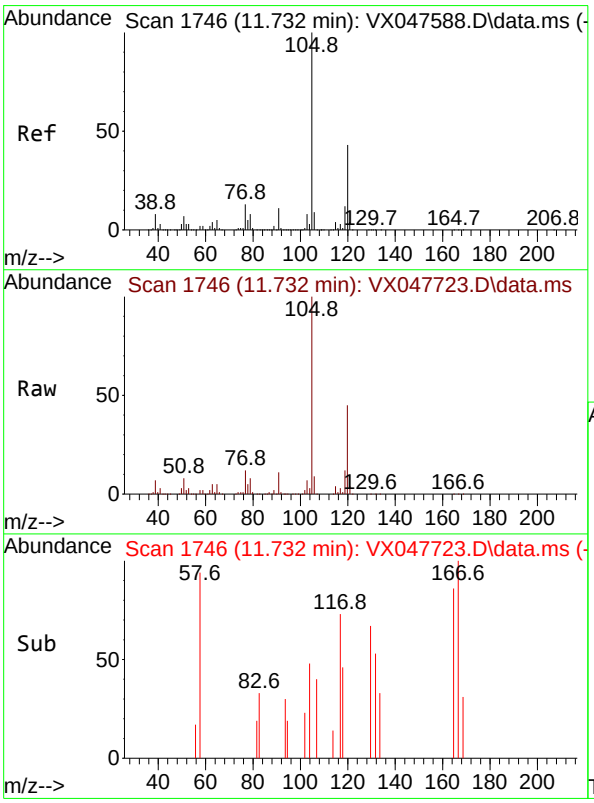

#83
tert-Butylbenzene
Concen: 16.497 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:119 Resp: 149430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.6 | 88.8 |
| 134 | 22.4 | 11.0 | 33.0 |

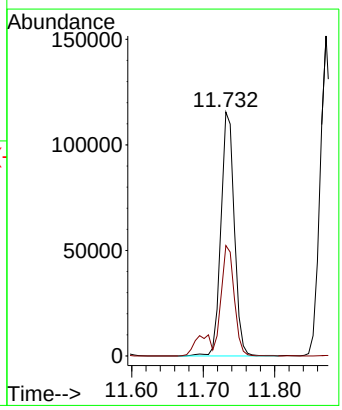


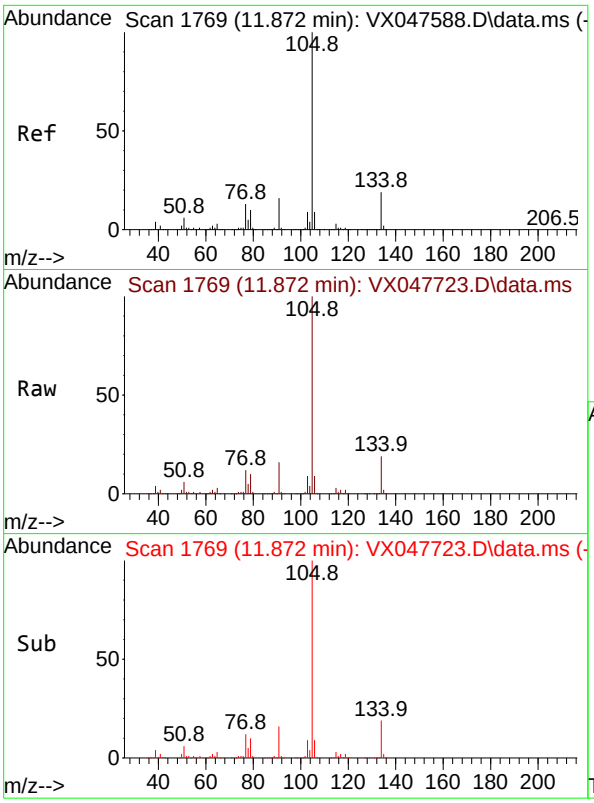




#84
1,2,4-Trimethylbenzene
Concen: 16.747 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:105 Resp: 150232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |



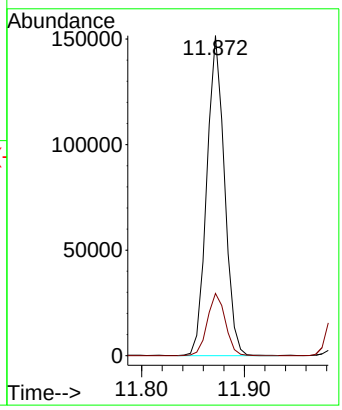


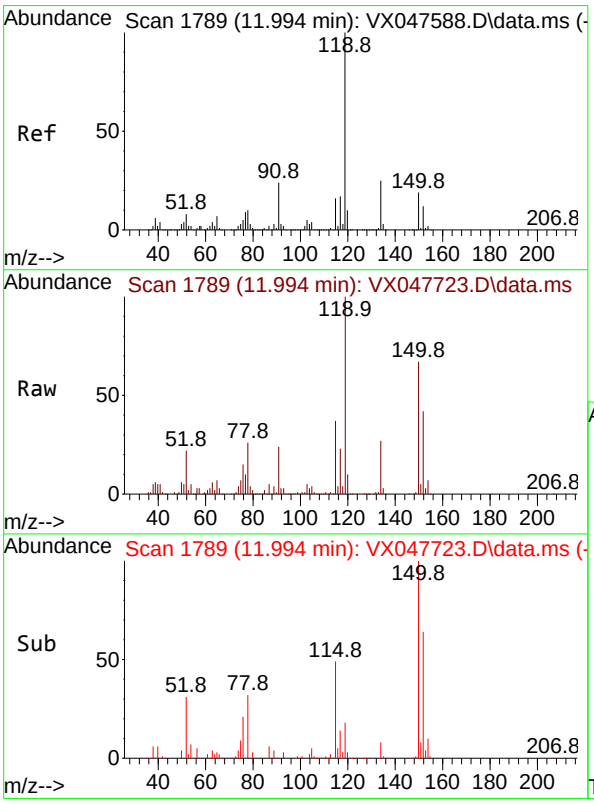

#85
sec-Butylbenzene
Concen: 16.825 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:105 Resp: 181026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.8 | 9.8 | 29.5 |

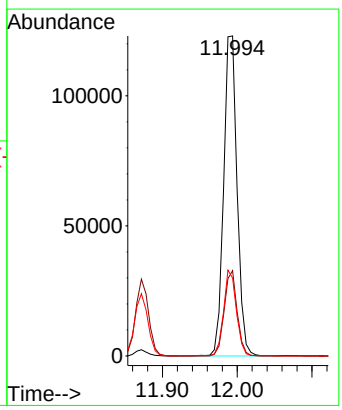


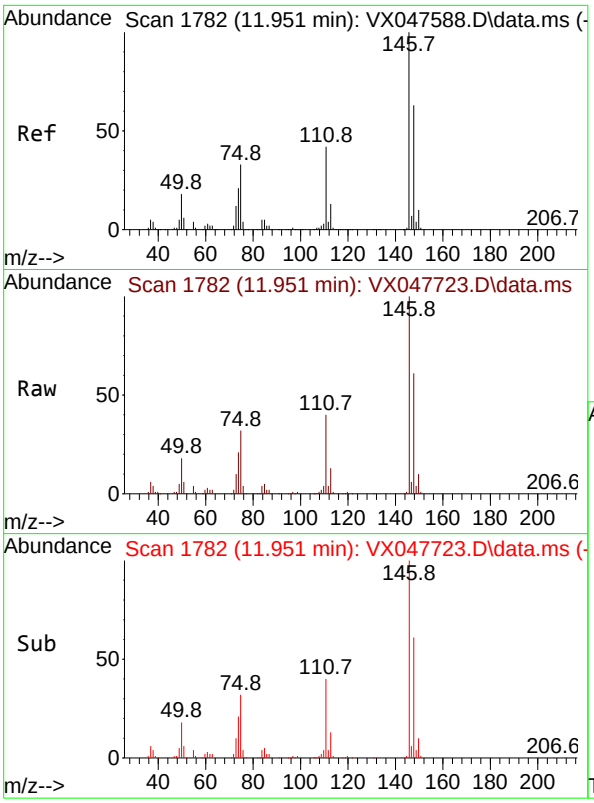




#86
p-Isopropyltoluene
Concen: 16.913 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:119 Resp: 154052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.4 | 12.6 | 37.8 |
| 91 | 25.5 | 12.6 | 37.6 |



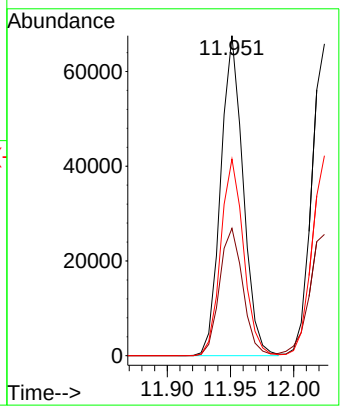


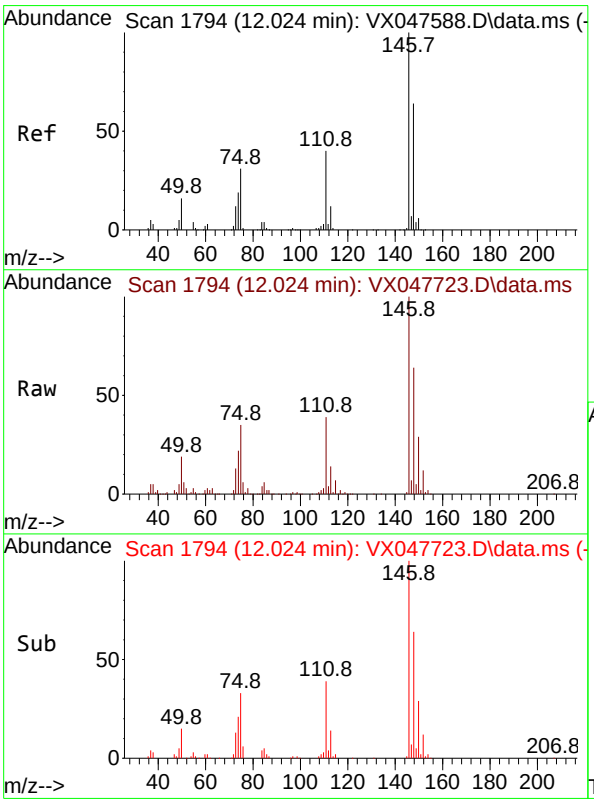

#87
1,3-Dichlorobenzene
Concen: 16.875 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:146 Resp: 83142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.5 | 21.5 | 64.5 |
| 148 | 62.7 | 32.0 | 96.0 |

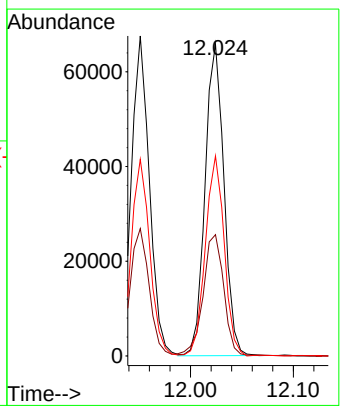


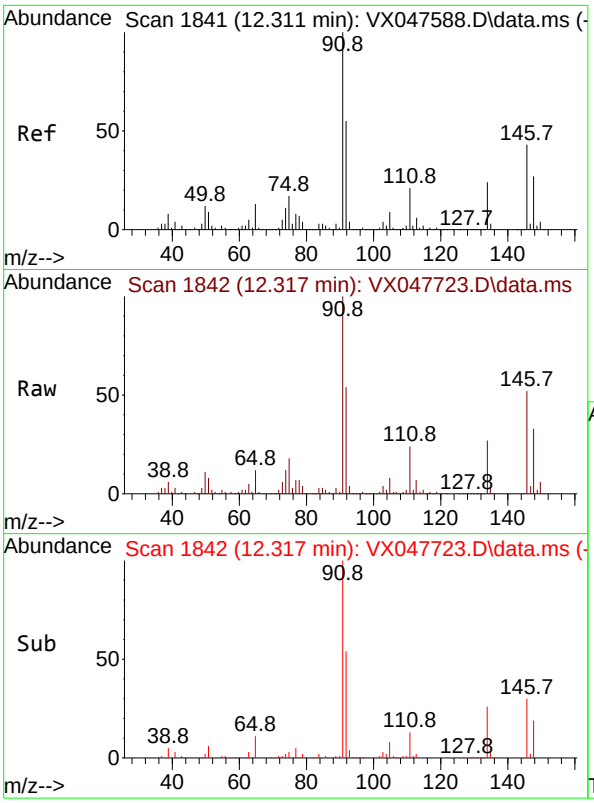




#88
1,4-Dichlorobenzene
Concen: 16.605 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:146 Resp: 83968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.0 | 20.8 | 62.4 |
| 148 | 63.9 | 31.7 | 95.1 |



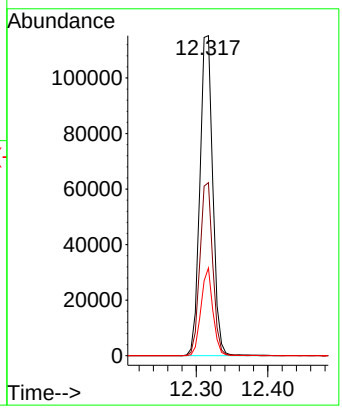


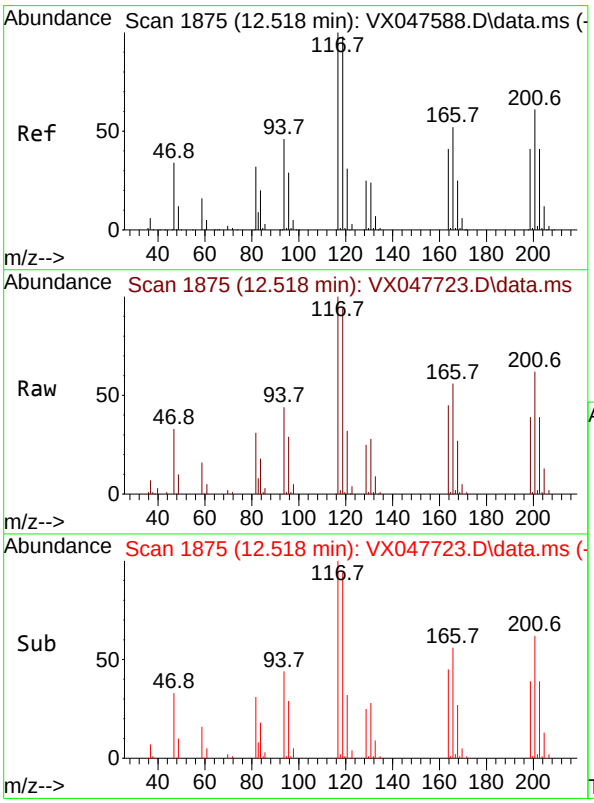

#89
n-Butylbenzene
Concen: 17.140 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion: 91 Resp: 144464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.9 | 27.6 | 82.7 |
| 134 | 25.2 | 12.6 | 37.8 |

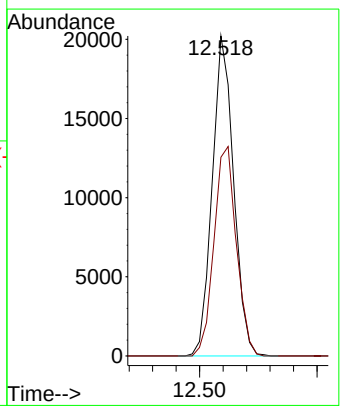


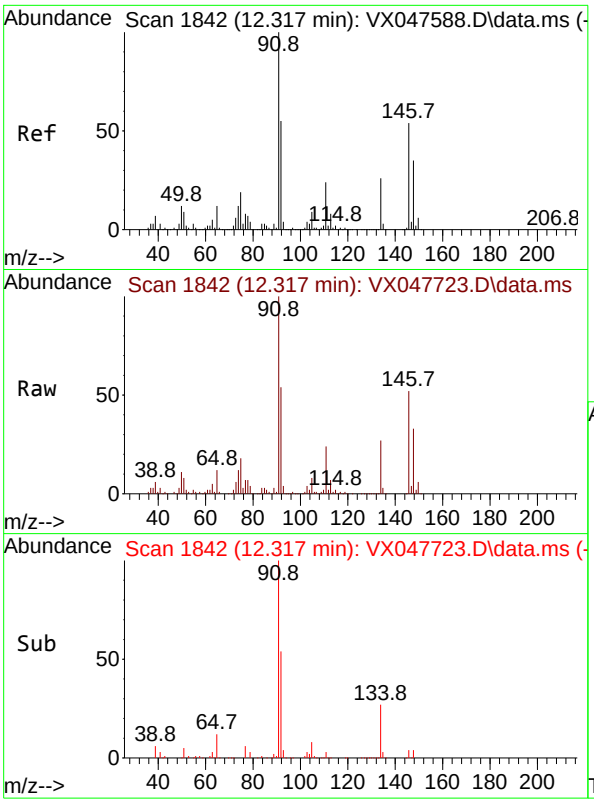




#90
Hexachloroethane
Concen: 15.981 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:117 Resp: 25557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.7 | 34.2 | 102.5 |



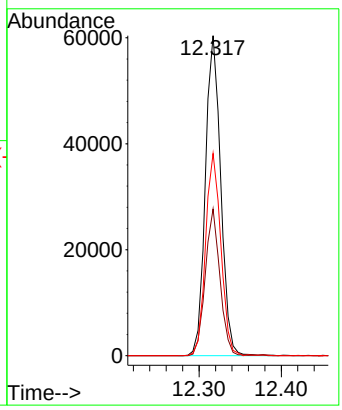


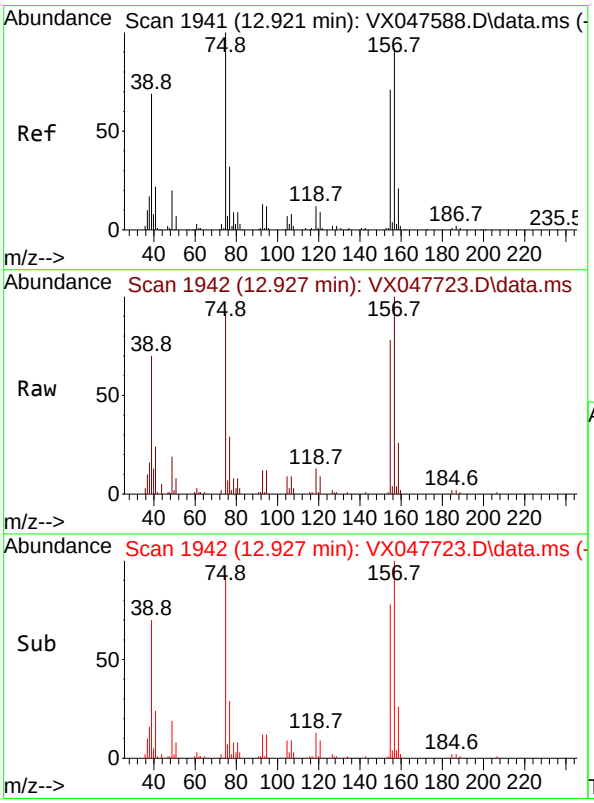

#91
1,2-Dichlorobenzene
Concen: 16.683 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:146 Resp: 78309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.9 | 22.2 | 66.6 |
| 148 | 62.9 | 31.8 | 95.4 |

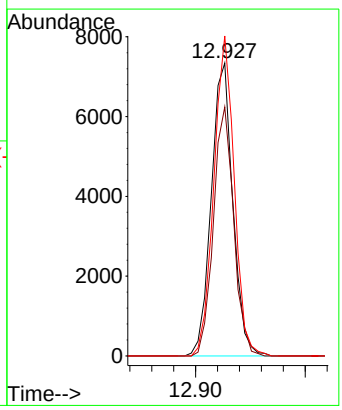


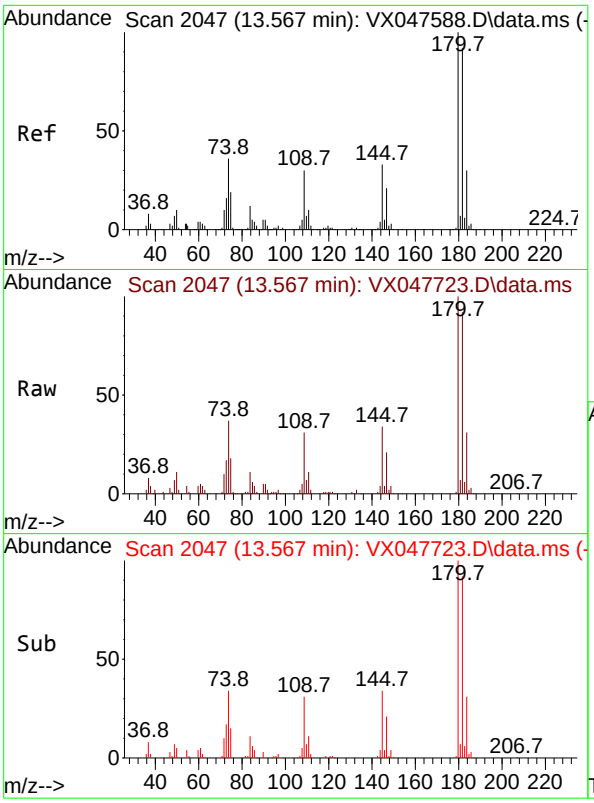




#92
1,2-Dibromo-3-Chloropropane
Concen: 15.194 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion: 75 Resp: 10024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.9 | 37.7 | 113.1 |
| 157 | 103.6 | 49.8 | 149.4 |



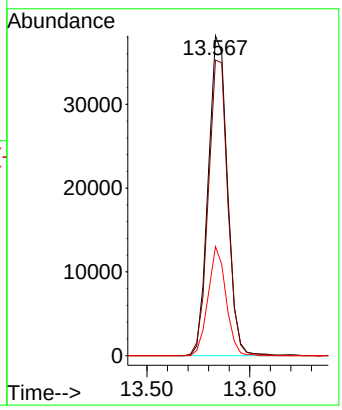


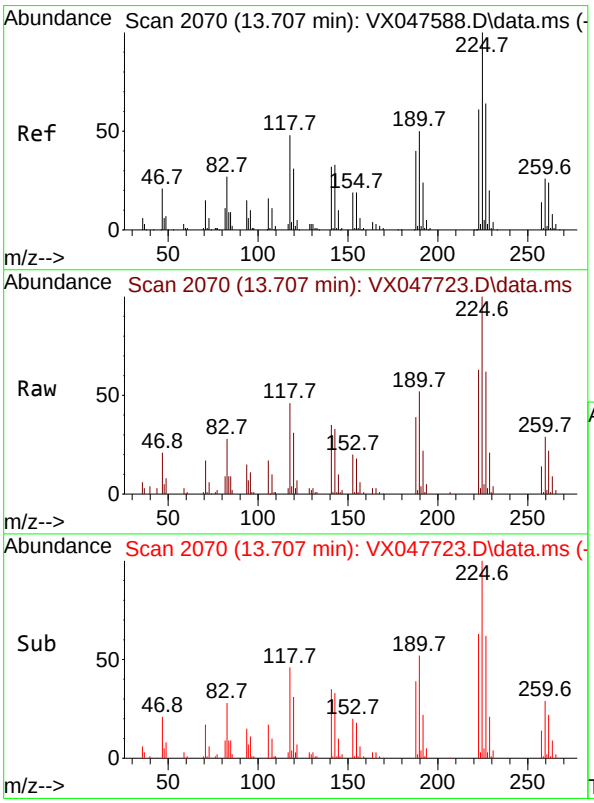

#93
1,2,4-Trichlorobenzene
Concen: 16.182 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:180 Resp: 49366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.7 | 46.6 | 139.8 |
| 145 | 31.9 | 16.4 | 49.1 |

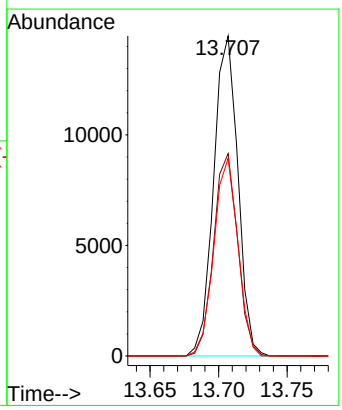


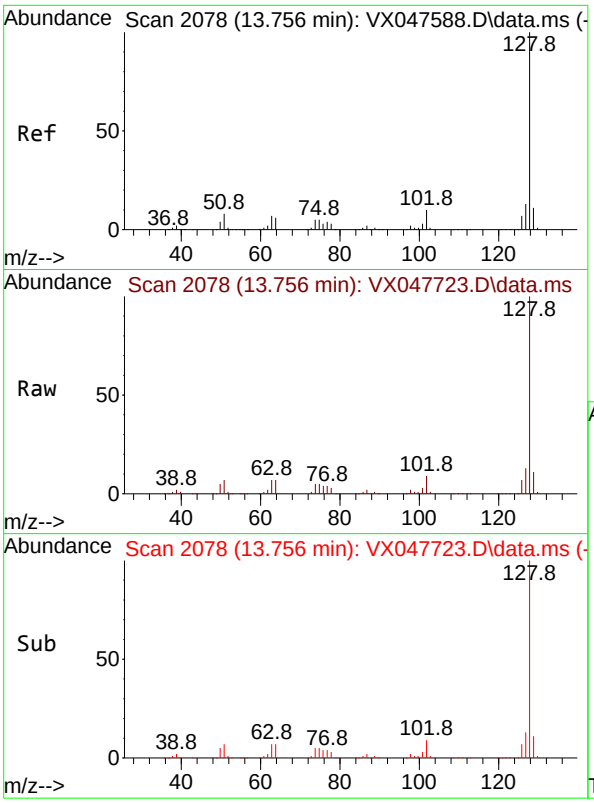




#94
Hexachlorobutadiene
Concen: 17.165 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:225 Resp: 17786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 62.8 | 31.7 | 95.1 |
| 227 | 61.4 | 32.0 | 96.0 |



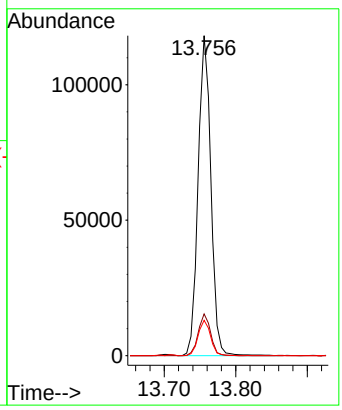


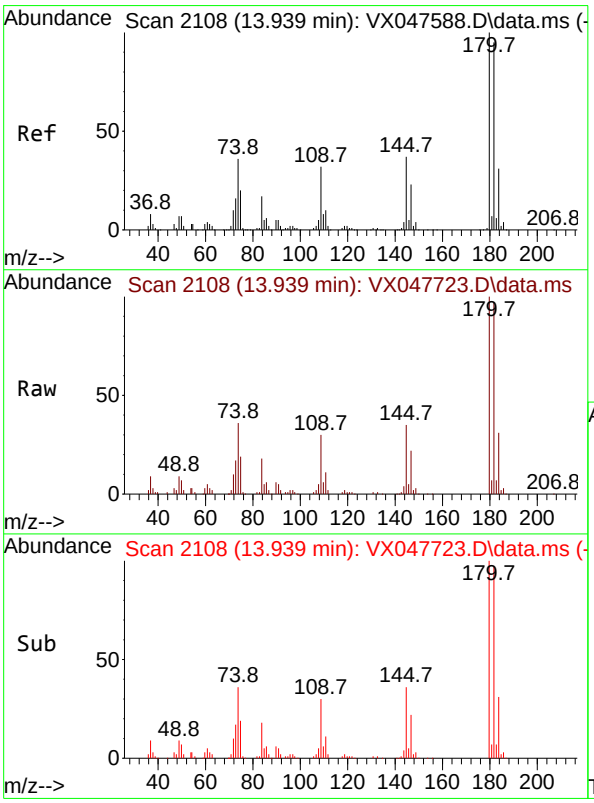

#95
Naphthalene
Concen: 15.742 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS02

Tgt Ion:128 Resp: 146235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |

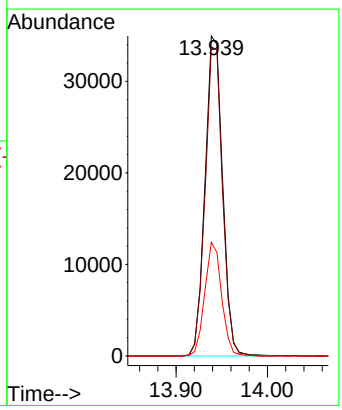



#96
1,2,3-Trichlorobenzene
Concen: 16.373 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047723.D
Acq: 23 Sep 2025 11:15

Tgt Ion:180 Resp: 46461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 47.6 | 142.8 |
| 145 | 34.1 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 149304 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 270355 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 243306 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 119961 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 116606 | 49.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 98.140% | | | |
| 35) Dibromofluoromethane | 5.379 | 113 | 90861 | 50.112 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.220% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 307967 | 49.087 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 98.180% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 117402 | 49.307 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 98.620% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 94404 | 61.061 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 117058 | 57.609 | ug/l | 98 |
| 4) Vinyl Chloride | 1.380 | 62 | 115926 | 58.282 | ug/l | 100 |
| 5) Bromomethane | 1.617 | 94 | 74054 | 58.713 | ug/l | 99 |
| 6) Chloroethane | 1.697 | 64 | 75449 | 56.753 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 163767 | 55.451 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 65417 | 54.148 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 95418 | 55.254 | ug/l | 99 |
| 10) Methyl Iodide | 2.459 | 142 | 145088 | 53.870 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.946 | 59 | 61154 | 231.046 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 98052 | 55.275 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 68714 | 281.718 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 185829 | 50.766 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 282724 | 288.375 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 220076 | 212.978 | ug/l | 100 |
| 17) Carbon Disulfide | 2.520 | 76 | 272927 | 56.202 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 130811 | 56.883 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 349001 | 53.896 | ug/l | 99 |
| 20) Methylene Chloride | 2.794 | 84 | 119000 | 54.405 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 106771 | 55.907 | ug/l | 99 |
| 22) Diisopropyl ether | 3.757 | 45 | 386641 | 54.502 | ug/l | 98 |
| 23) Vinyl Acetate | 3.715 | 43 | 1566296 | 275.867 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 205496 | 54.500 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 330135 | 256.128 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 130530 | 41.645 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 128773 | 55.058 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 86403 | 52.489 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.995 | 42 | 217984 | 281.124 | ug/l | 98 |
| 30) Chloroform | 5.086 | 83 | 207673 | 54.504 | ug/l | 97 |
| 31) Cyclohexane | 5.458 | 56 | 164278 | 52.311 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.379 | 97 | 171647 | 53.110 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 134570 | 50.792 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 146380 | 51.600 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.672 | 117 | 141128 | 49.026 | ug/l | 93 |
| 39) Methylcyclohexane | 7.366 | 83 | 153808 | 51.142 | ug/l | 99 |
| 40) Benzene | 6.025 | 78 | 428760 | 53.282 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 79236 | 54.104 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 157471 | 51.431 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 243453 | 52.327 | ug/l | | 99 |
| 44) Trichloroethene | 7.110 | 130 | 104230 | 53.576 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 110894 | 53.818 | ug/l | | 99 |
| 46) Dibromomethane | 7.568 | 93 | 79627 | 53.104 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.805 | 83 | 164232 | 53.077 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.677 | 41 | 121164 | 52.283 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.647 | 88 | 28012 | 1196.046 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 703728 | 272.809 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 263320 | 53.113 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 159381 | 50.499 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 173466 | 51.421 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 104553 | 54.692 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 163467 | 54.448 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 179171 | 54.560 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 360369 | 251.172 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 483347 | 260.895 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 119117 | 54.078 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 106971 | 54.937 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.262 | 164 | 82104 | 51.765 | ug/l | | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 288305 | 52.159 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 98820 | 51.810 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.177 | 91 | 491426 | 51.527 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 367469 | 103.518 | ug/l | | 99 |
| 69) o-Xylene | 10.628 | 106 | 180297 | 52.511 | ug/l | | 98 |
| 70) Styrene | 10.640 | 104 | 317529 | 52.779 | ug/l | | 99 |
| 71) Bromoform | 10.780 | 173 | 74197 | 52.097 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 453473 | 49.722 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 210798 | 50.685 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 143186 | 51.892 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 157182 | 64.715 | ug/l | | 89 |
| 77) Bromobenzene | 11.183 | 156 | 112329 | 50.007 | ug/l | | 98 |
| 78) n-propylbenzene | 11.286 | 91 | 533484 | 49.483 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 324017 | 49.069 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 370433 | 49.437 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 44224 | 46.433 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 386898 | 49.610 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 373585 | 48.704 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 376730 | 49.591 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 445326 | 48.878 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 373936 | 48.479 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 205631 | 49.286 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 207463 | 48.449 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 345737 | 48.442 | ug/l | | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 65317 | 48.232 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 198557 | 49.953 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 27323 | 48.908 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 123384 | 47.762 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39729 | 45.277 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 389975 | 49.575 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 118608 | 49.357 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

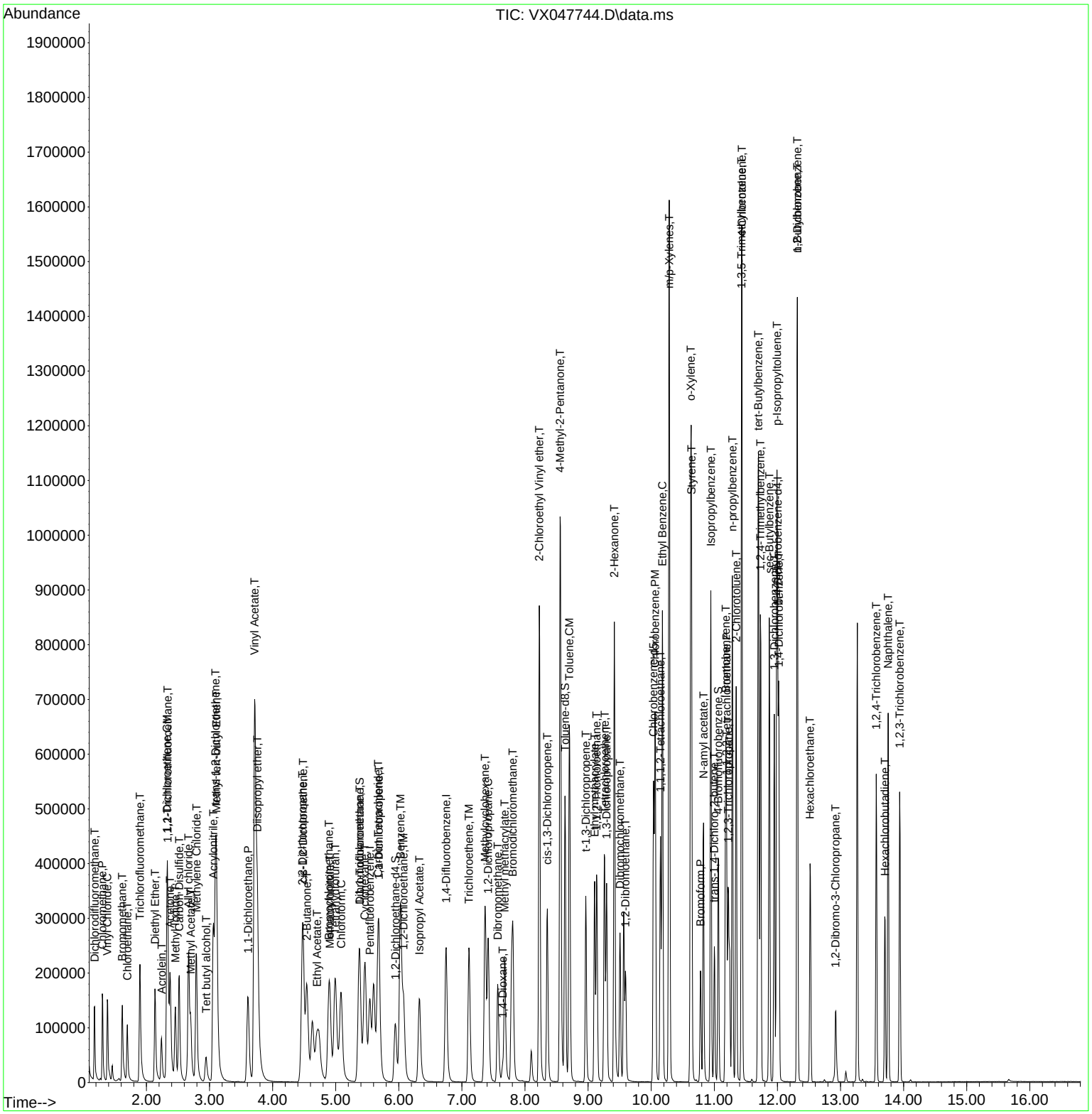
(#) = qualifier out of range (m) = manual integration (+) = signals summed

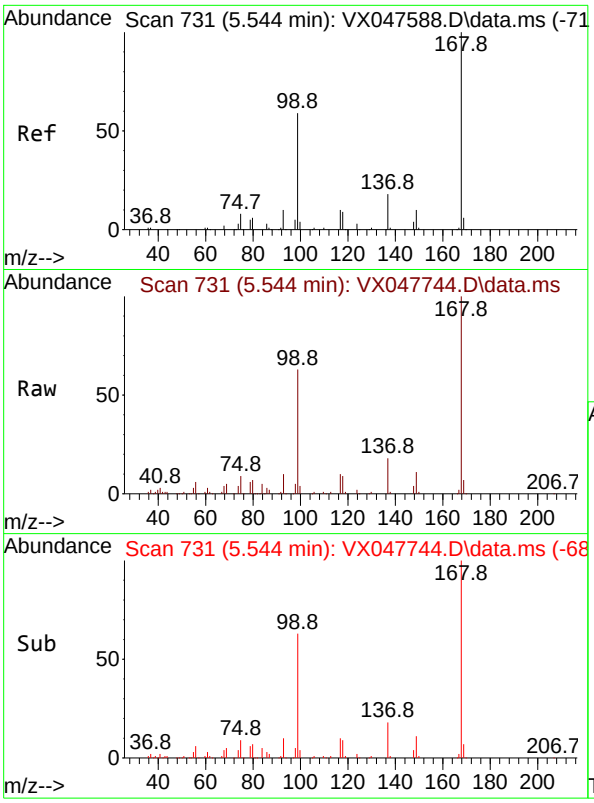
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047744.D
Acq On : 23 Sep 2025 19:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 24 01:38:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



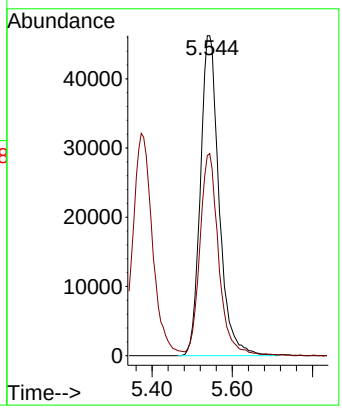


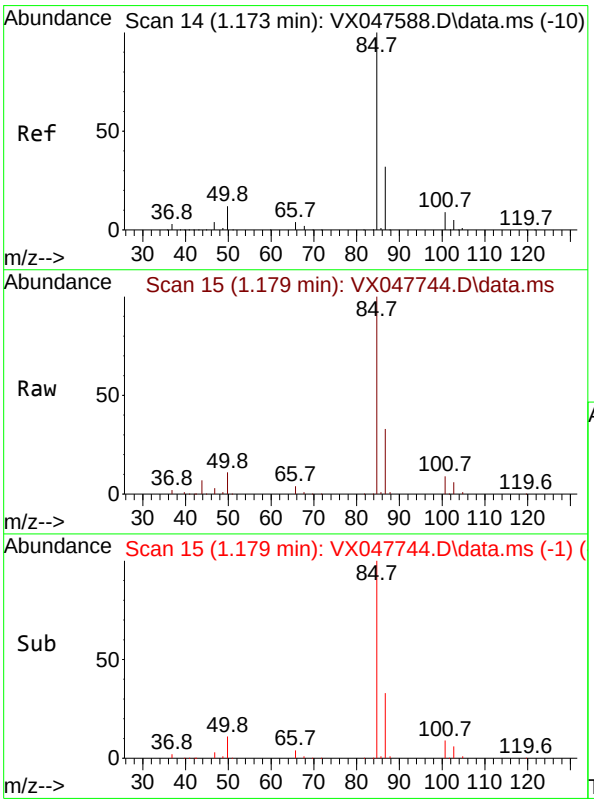

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 149304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.9 | 48.8 | 73.2 |

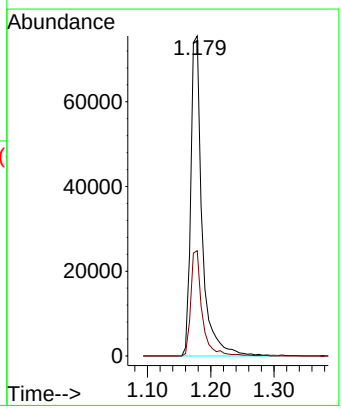


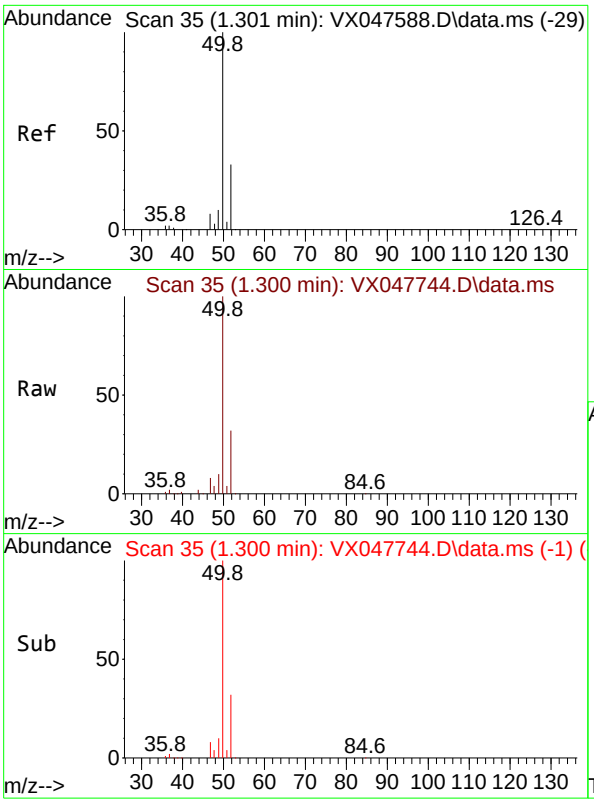




#2
Dichlorodifluoromethane
Concen: 61.061 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 85 Resp: 94404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |



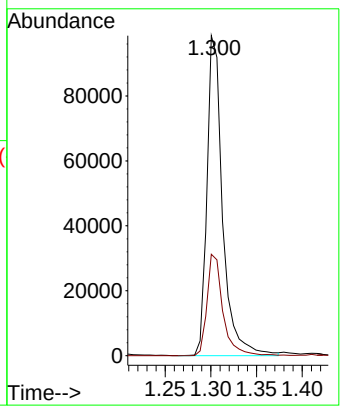


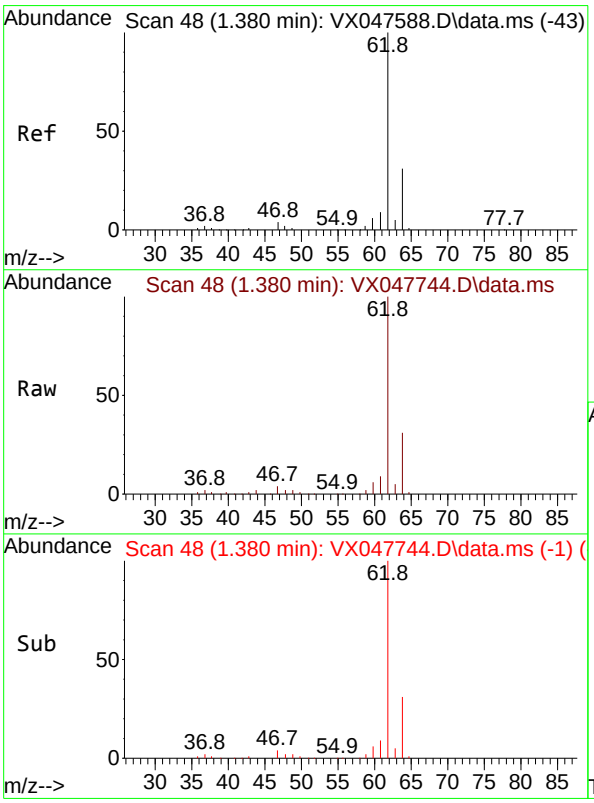

#3
Chloromethane
Concen: 57.609 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 117058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 31.7 | 26.1 | 39.1 |

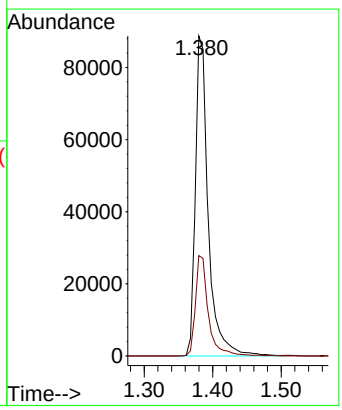


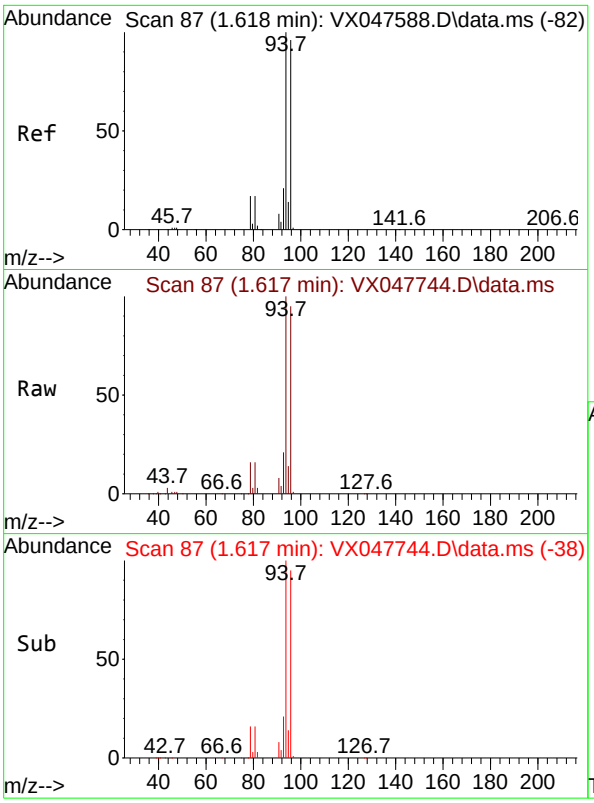




#4
Vinyl Chloride
Concen: 58.282 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 62 Resp: 115926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.3 | 24.9 | 37.3 |



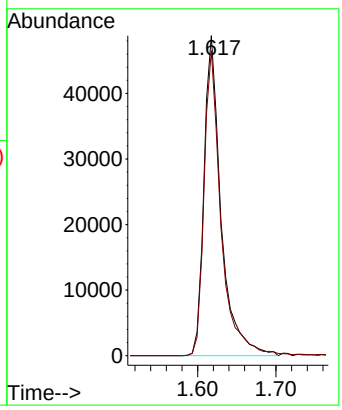


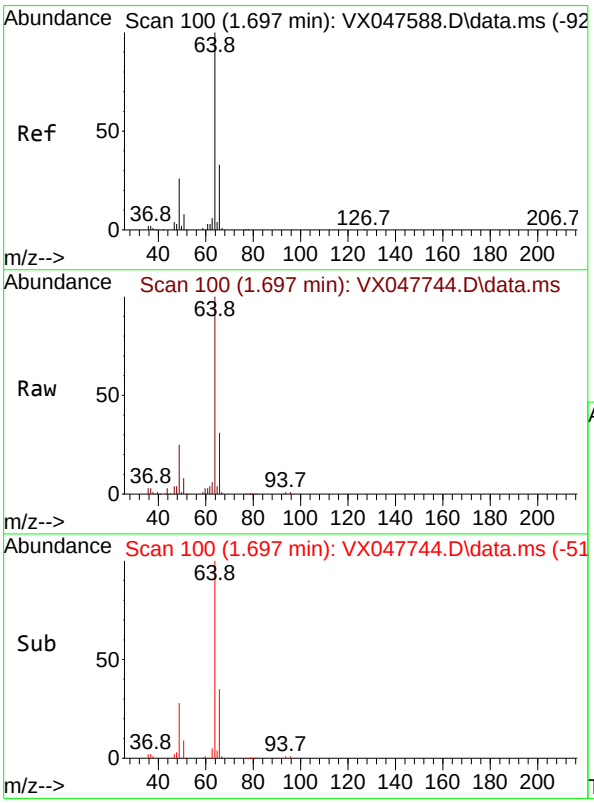

#5
Bromomethane
Concen: 58.713 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 74054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.3 | 76.6 | 115.0 |

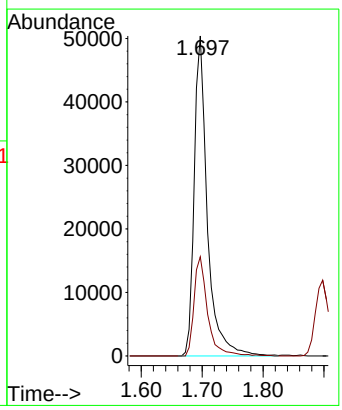


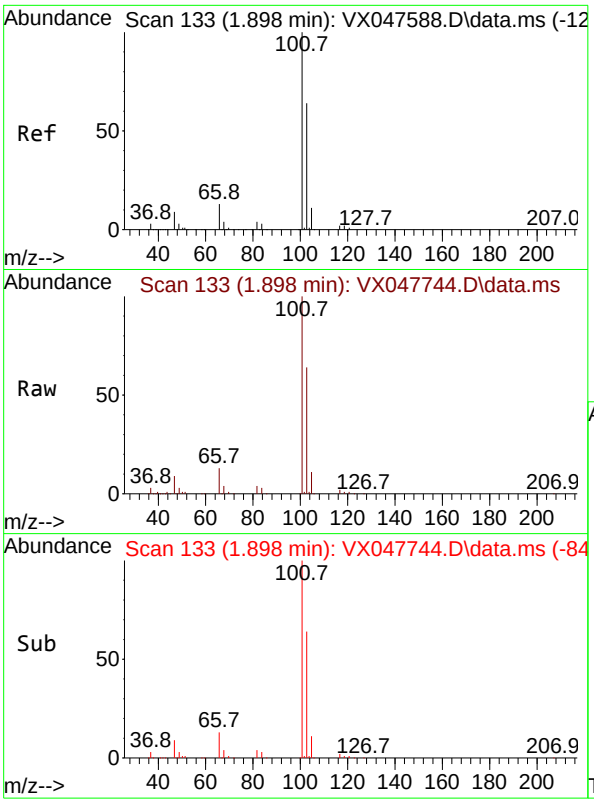




#6
Chloroethane
Concen: 56.753 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 64 Resp: 75449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.0 | 26.1 | 39.1 |



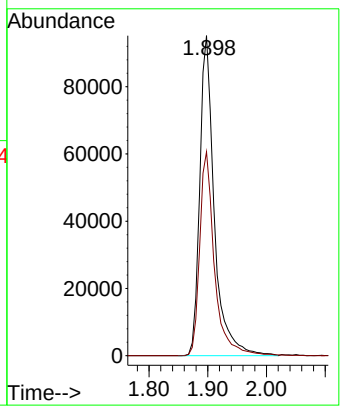


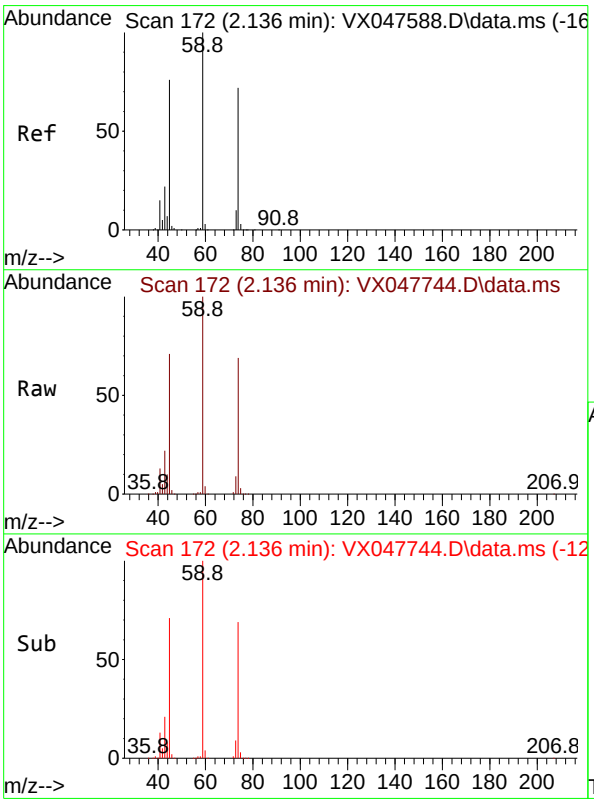

#7
Trichlorofluoromethane
Concen: 55.451 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 163767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 63.7 | 51.4 | 77.2 |

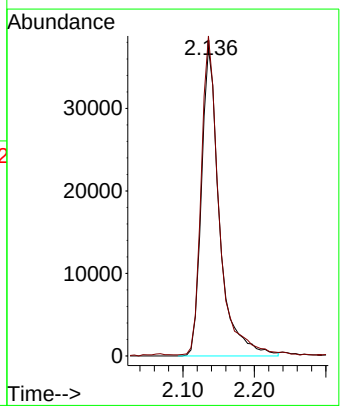


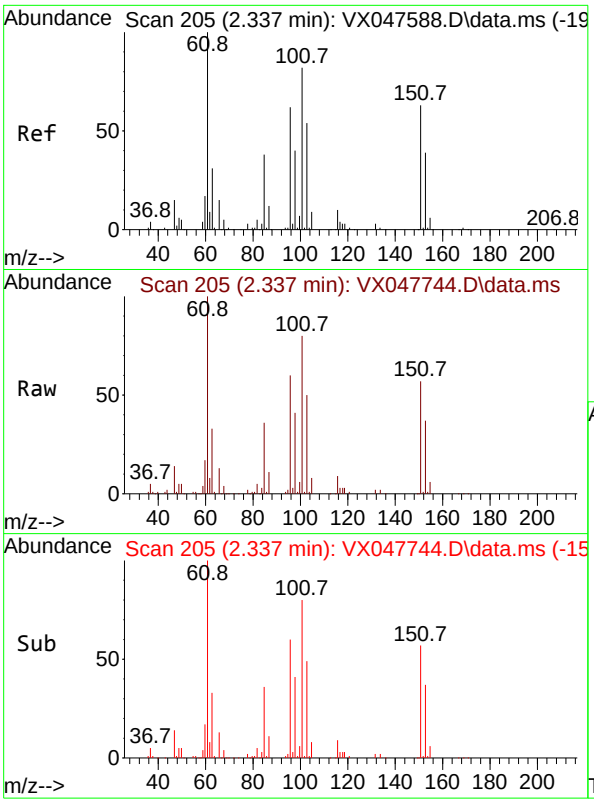




#8
Diethyl Ether
Concen: 54.148 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 74 Resp: 65417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 102.9 | 52.3 | 156.8 |



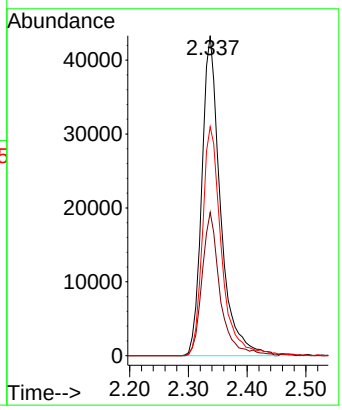


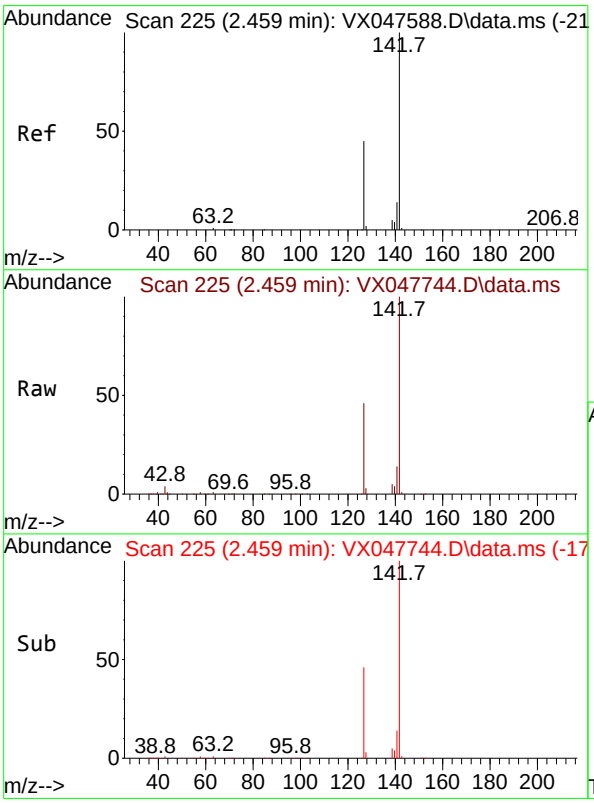

#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.254 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 95418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.7 | 35.5 | 53.3 |
| 151 | 73.2 | 59.4 | 89.0 |

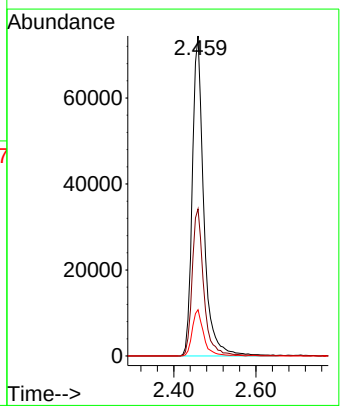


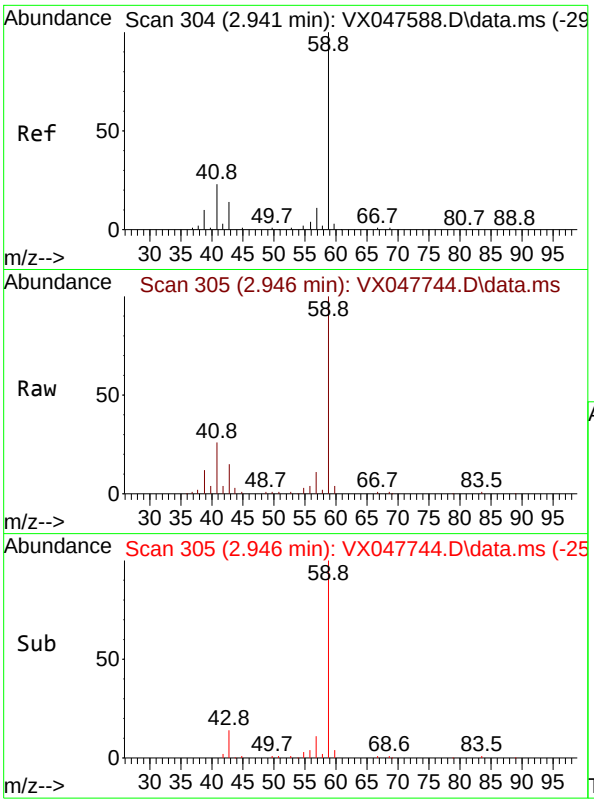




#10
Methyl Iodide
Concen: 53.870 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:142 Resp: 145088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.3 | 11.4 | 17.0 |



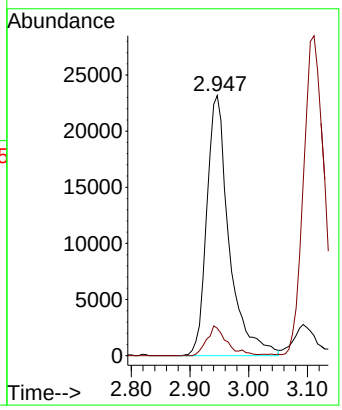


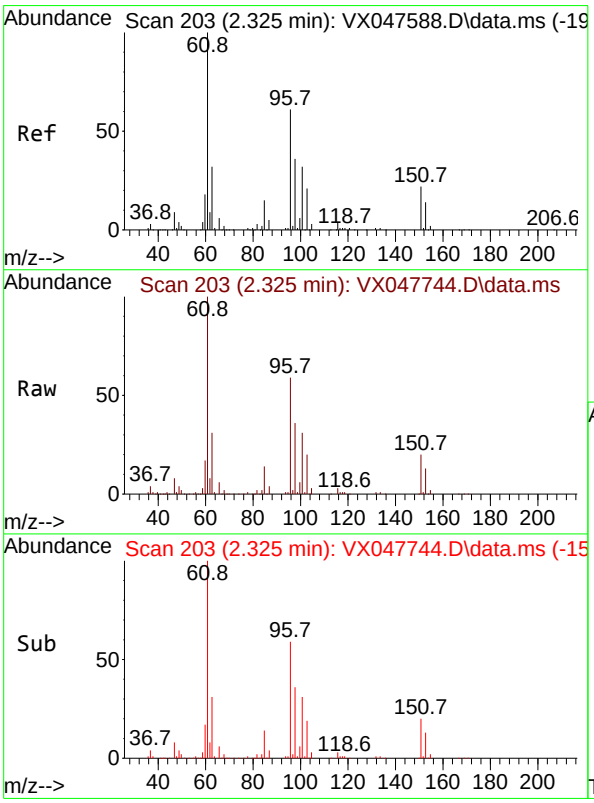

#11
Tert butyl alcohol
Concen: 231.046 ug/l
RT: 2.946 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 61154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.4 | 8.3 | 12.5 |

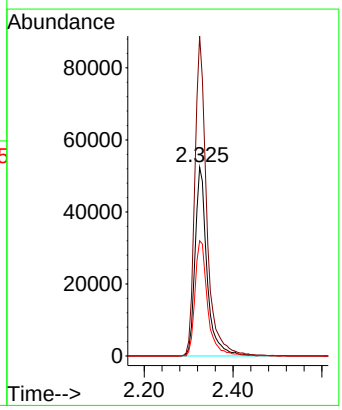


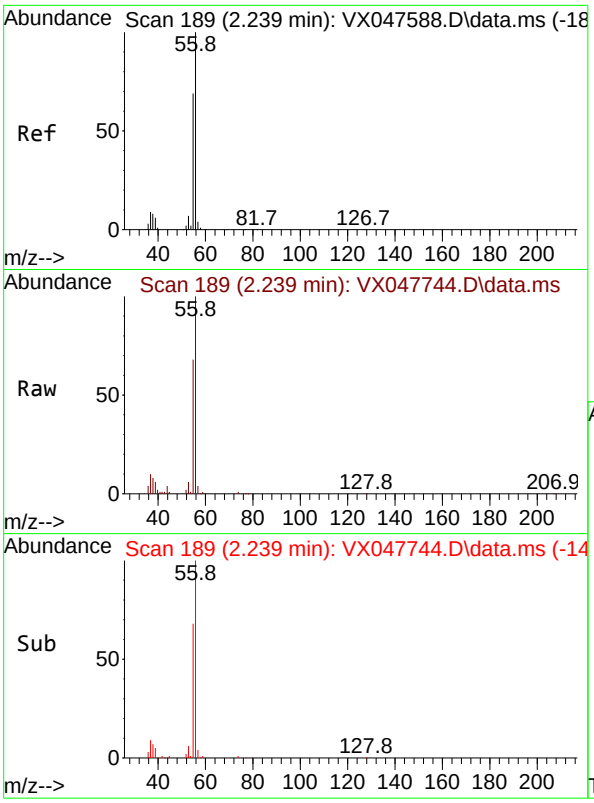




#12
1,1-Dichloroethene
Concen: 55.275 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 96 Resp: 98052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.5 | 131.0 | 196.6 |
| 98 | 61.1 | 47.7 | 71.5 |



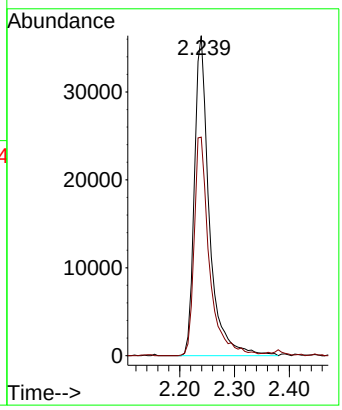


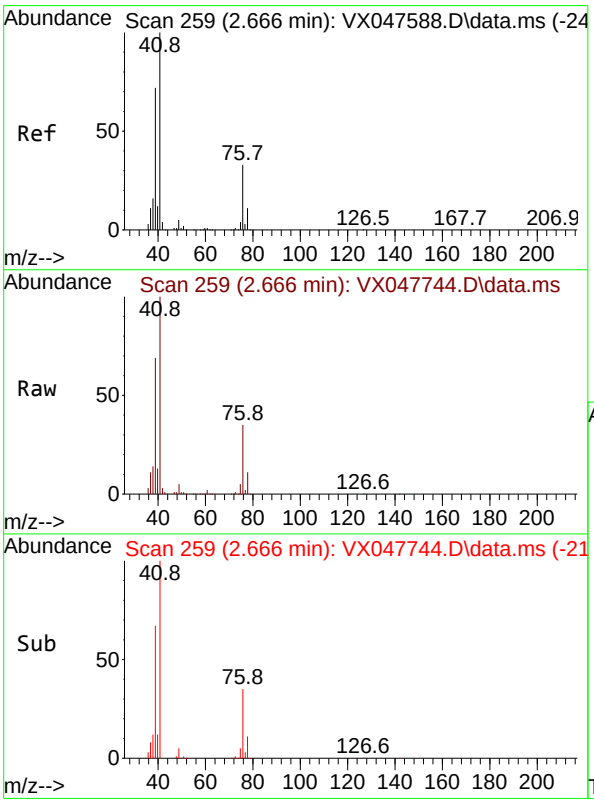

#13
Acrolein
Concen: 281.718 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 68714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.9 | 57.2 | 85.8 |

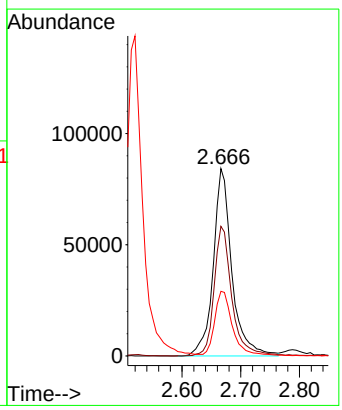


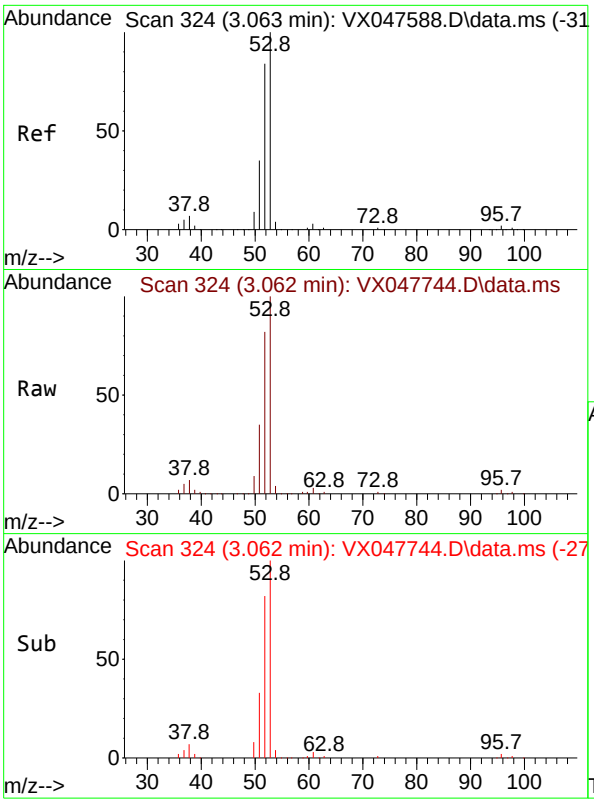




#14
Allyl chloride
Concen: 50.766 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 41 Resp: 185829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.8 | 54.7 | 82.1 |
| 76 | 33.1 | 25.7 | 38.5 |



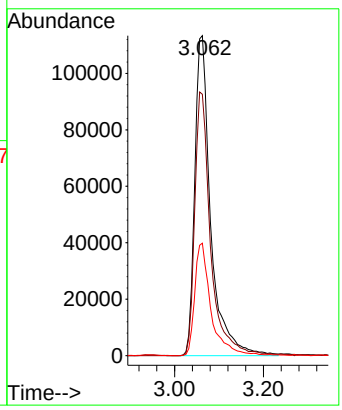


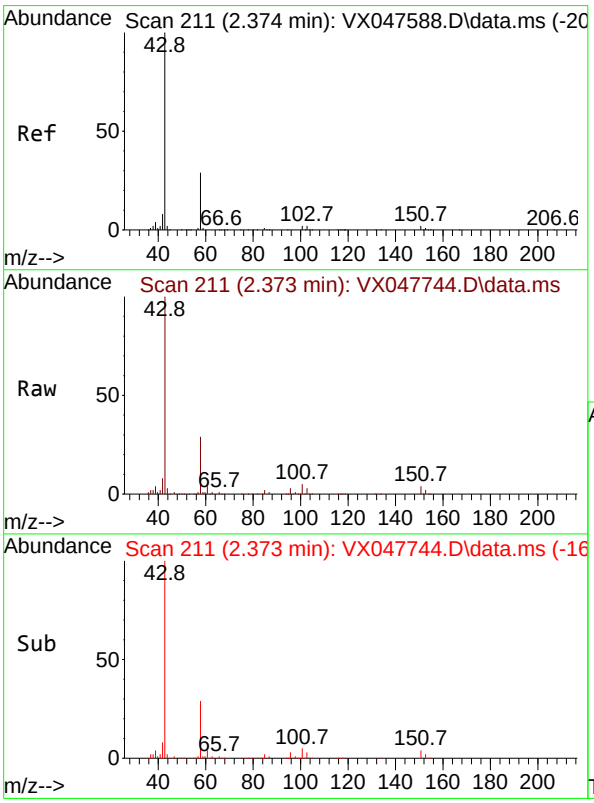

#15
Acrylonitrile
Concen: 288.375 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 282724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.0 | 66.4 | 99.6 |
| 51 | 36.3 | 29.5 | 44.3 |

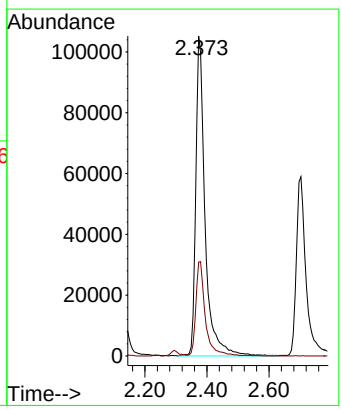


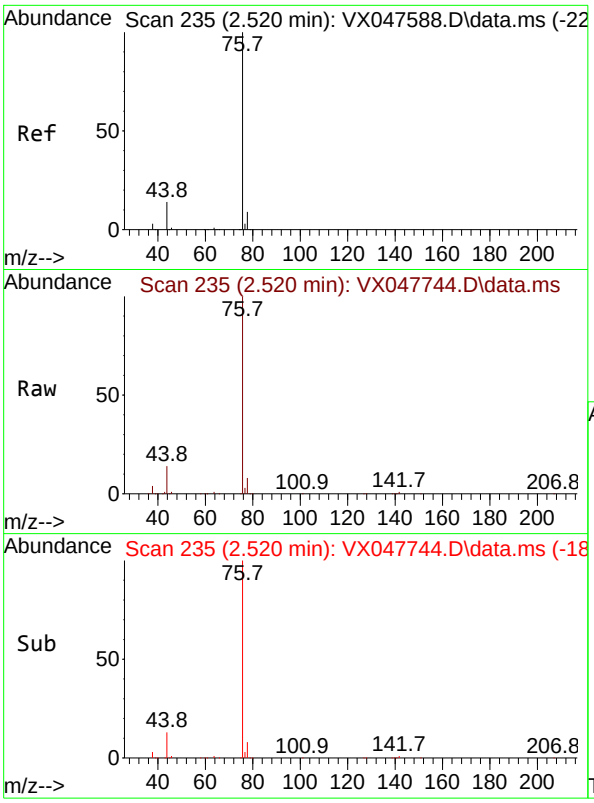




#16
Acetone
Concen: 212.978 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 220076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.4 | 23.4 | 35.0 |



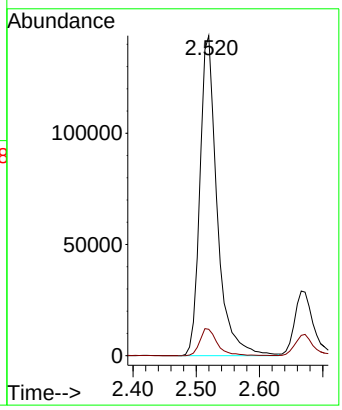


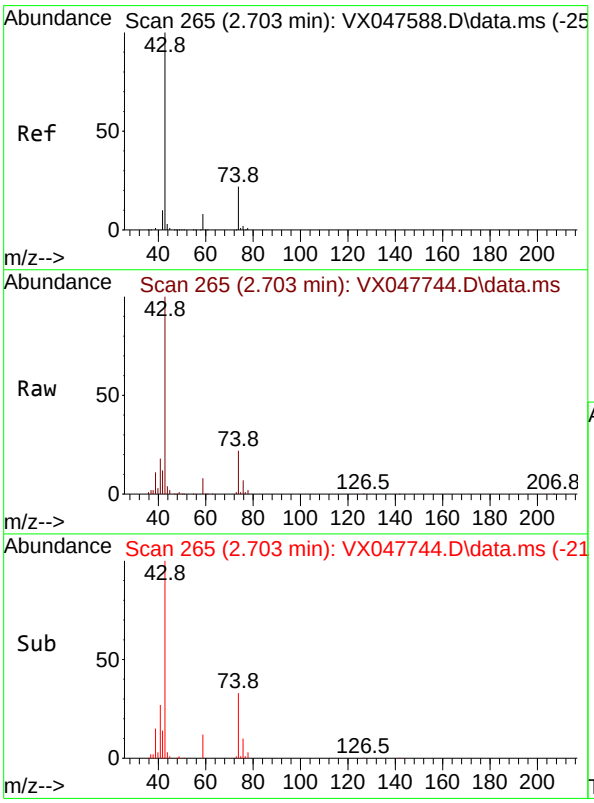

#17
Carbon Disulfide
Concen: 56.202 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 272927

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.3 | 6.8 | 10.2 |

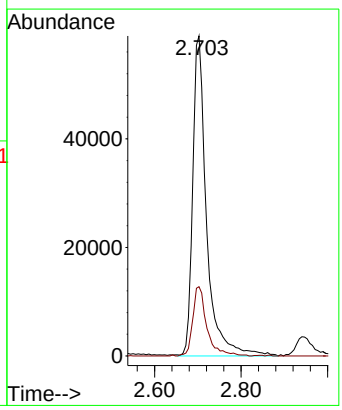


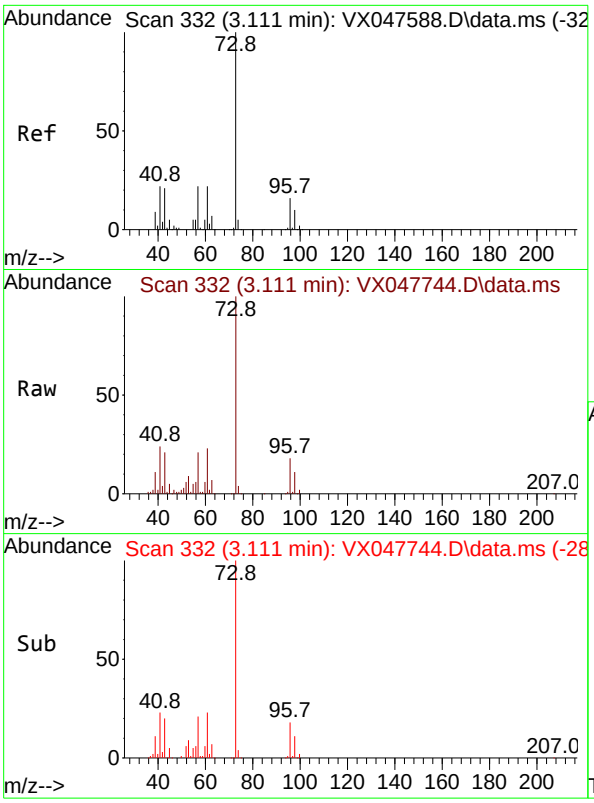




#18
Methyl Acetate
Concen: 56.883 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 130811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 17.4 | 26.2 |



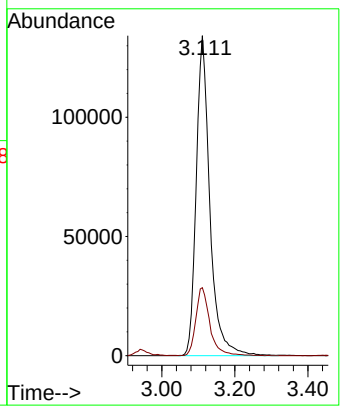


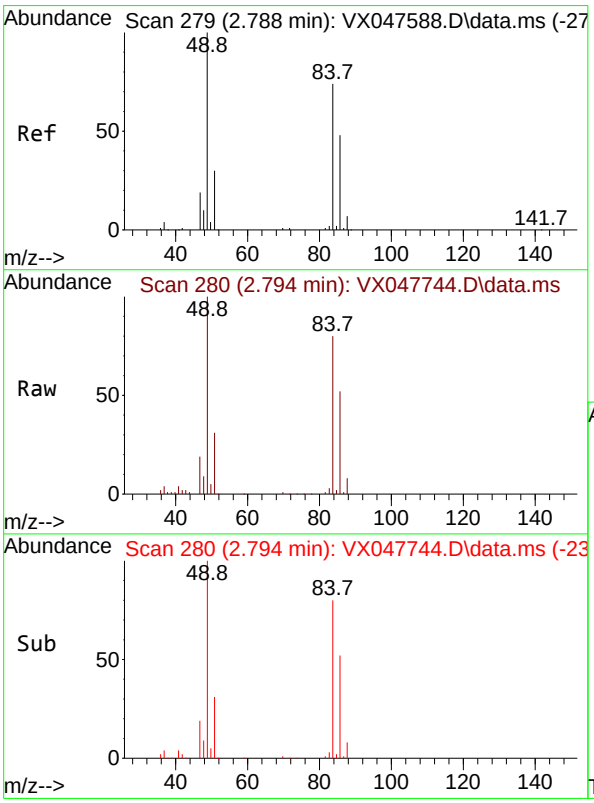

#19
Methyl tert-butyl Ether
Concen: 53.896 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 349001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.2 | 17.4 | 26.2 |

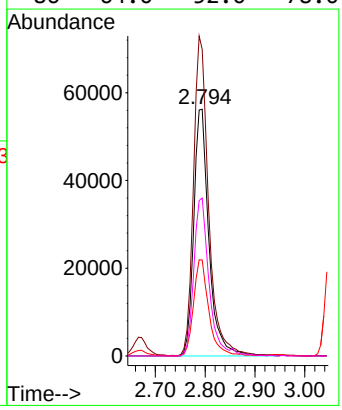


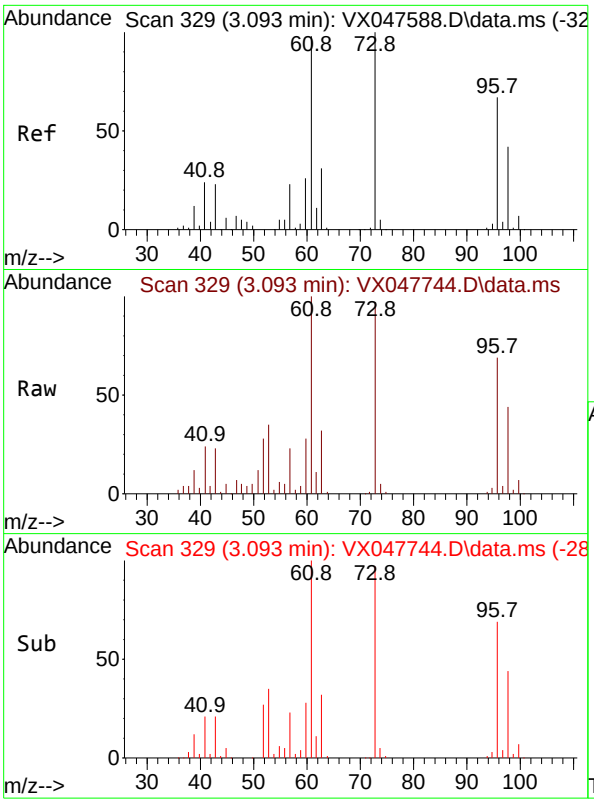




#20
Methylene Chloride
Concen: 54.405 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 84 Resp: 119000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.1 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 64.0 | 52.0 | 78.0 |



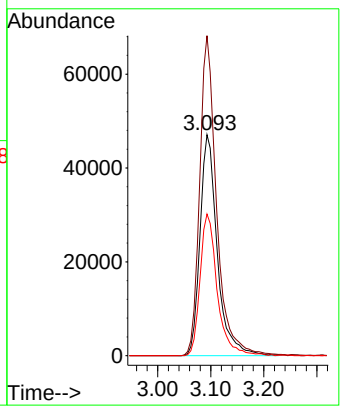


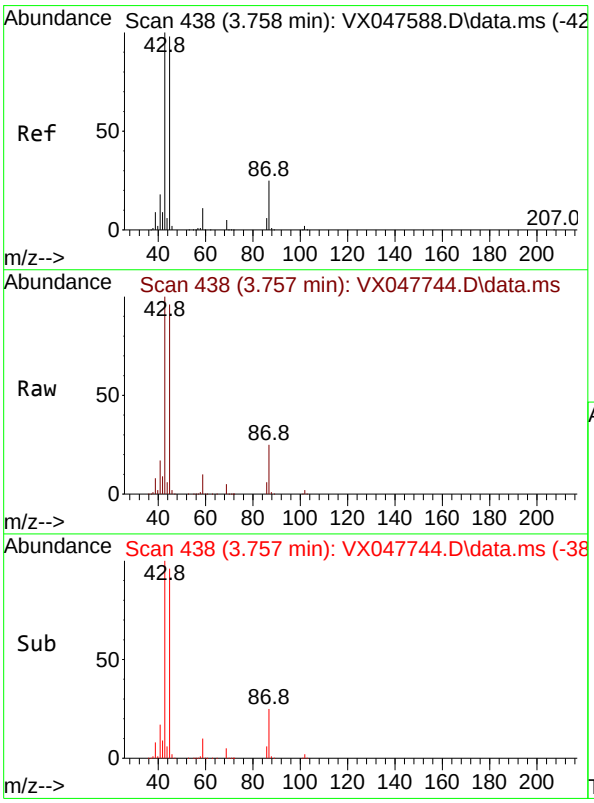

#21
trans-1,2-Dichloroethene
Concen: 55.907 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 106771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.8 | 116.2 | 174.2 |
| 98 | 64.1 | 49.3 | 73.9 |

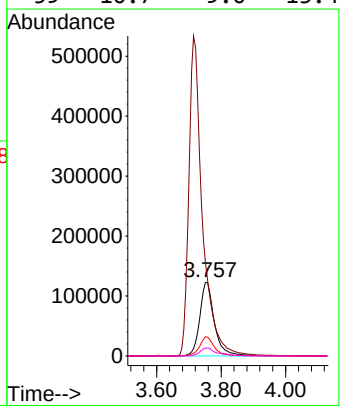


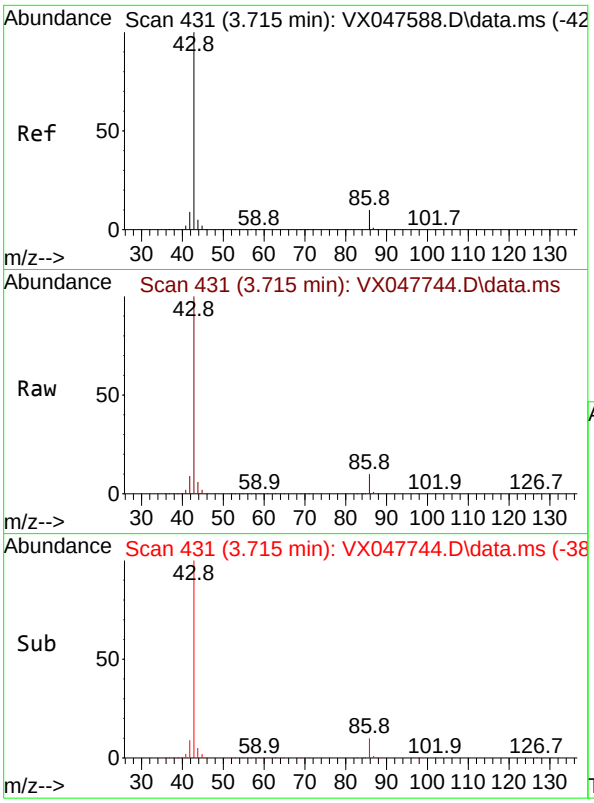




#22
Diisopropyl ether
Concen: 54.502 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 45 Resp: 386641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 103.5 | 81.0 | 121.4 |
| 87 | 25.6 | 20.3 | 30.5 |
| 59 | 10.7 | 9.0 | 13.4 |



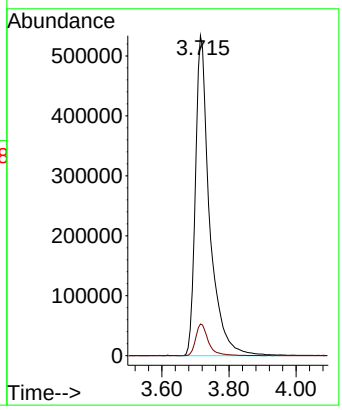


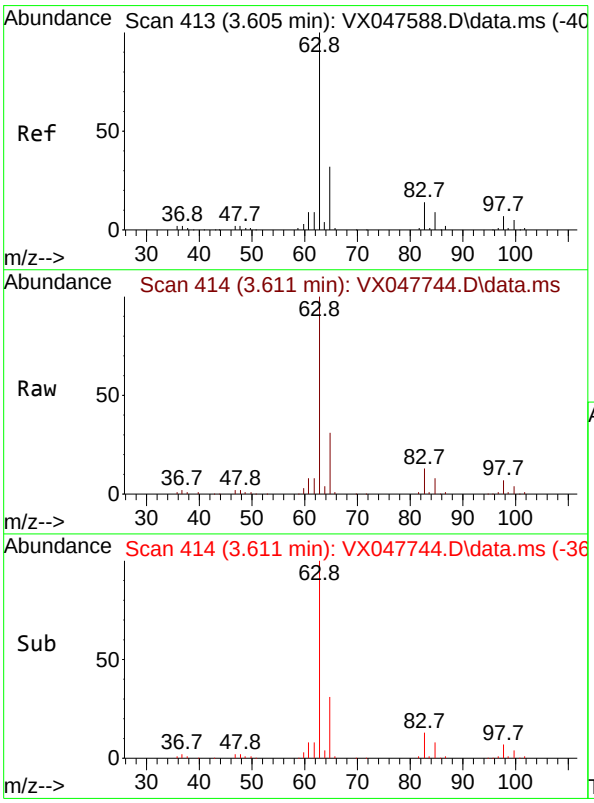

#23
Vinyl Acetate
Concen: 275.867 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1566296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |

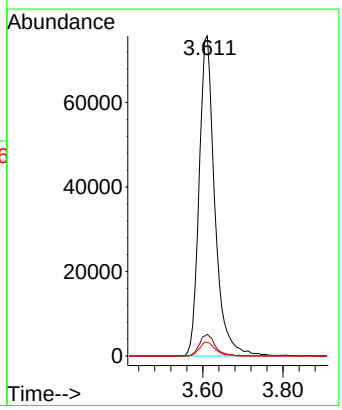


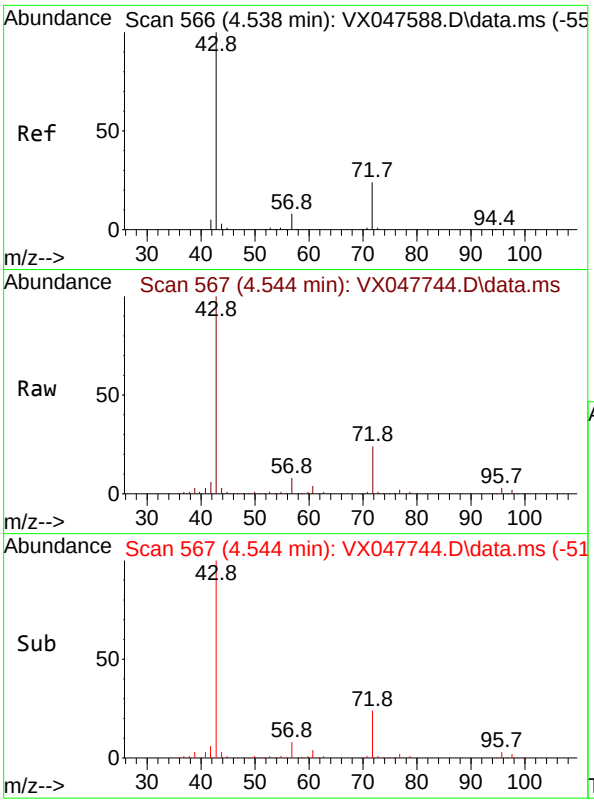




#24
1,1-Dichloroethane
Concen: 54.500 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 63 Resp: 205496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.3 | 3.8 | 11.2 |
| 100 | 4.2 | 2.3 | 6.9 |



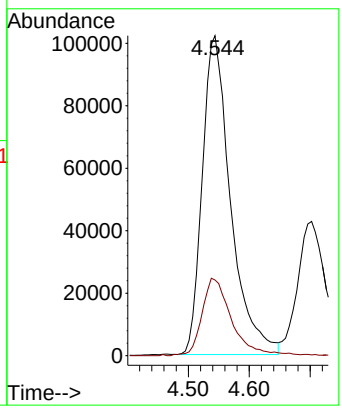


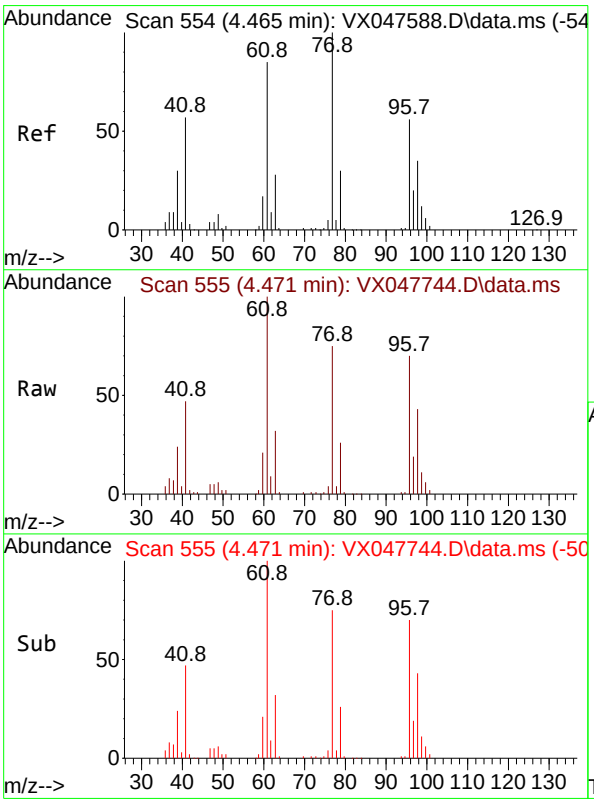

#25
2-Butanone
Concen: 256.128 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 330135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.4 | 20.1 | 30.1 |

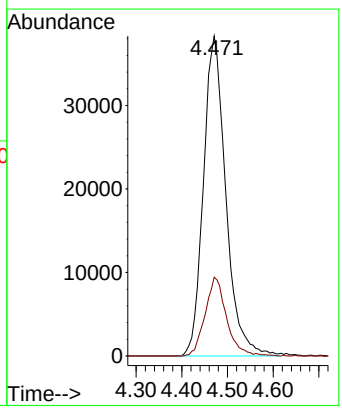


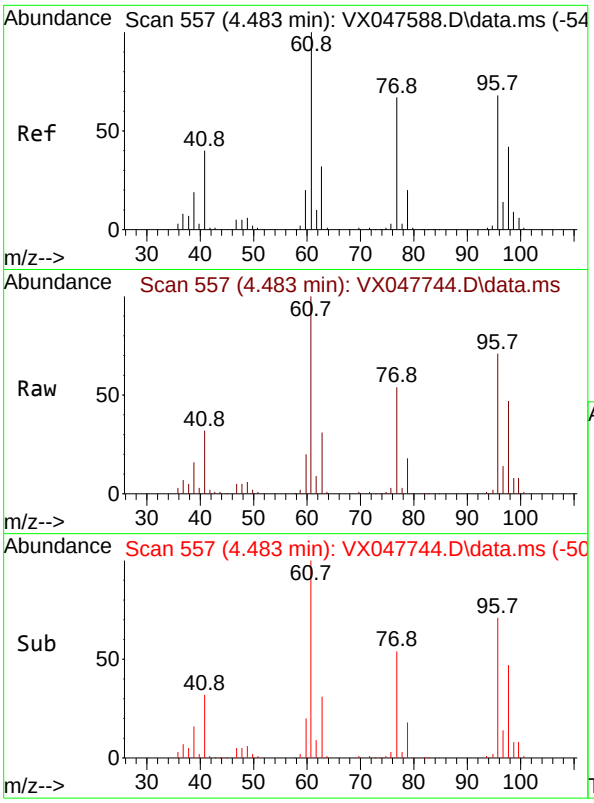




#26
2,2-Dichloropropane
Concen: 41.645 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 77 Resp: 130530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.5 | 10.9 | 32.7 |



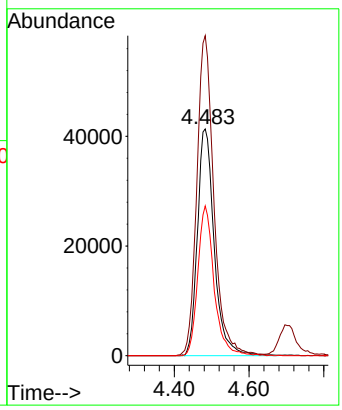


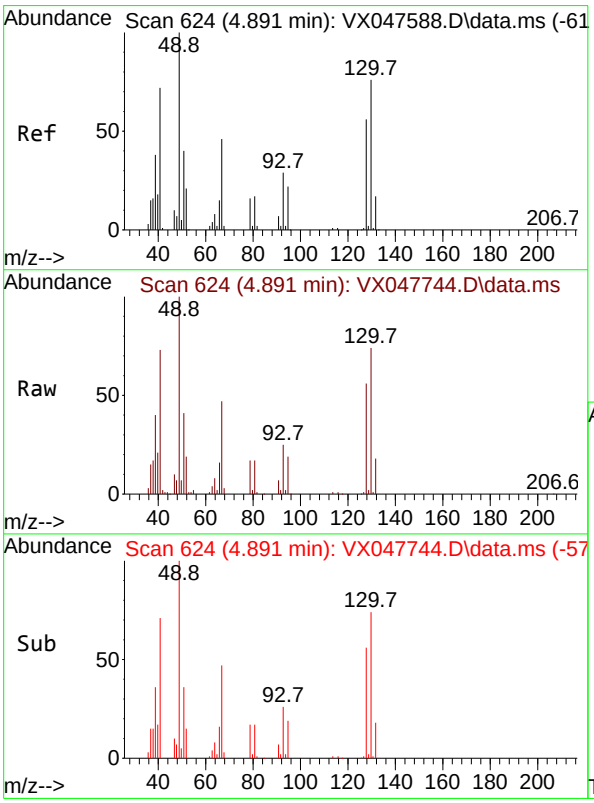

#27
cis-1,2-Dichloroethene
Concen: 55.058 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 128773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.3 | 0.0 | 303.2 |
| 98 | 64.2 | 0.0 | 127.8 |

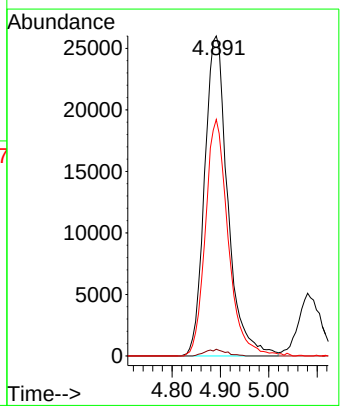


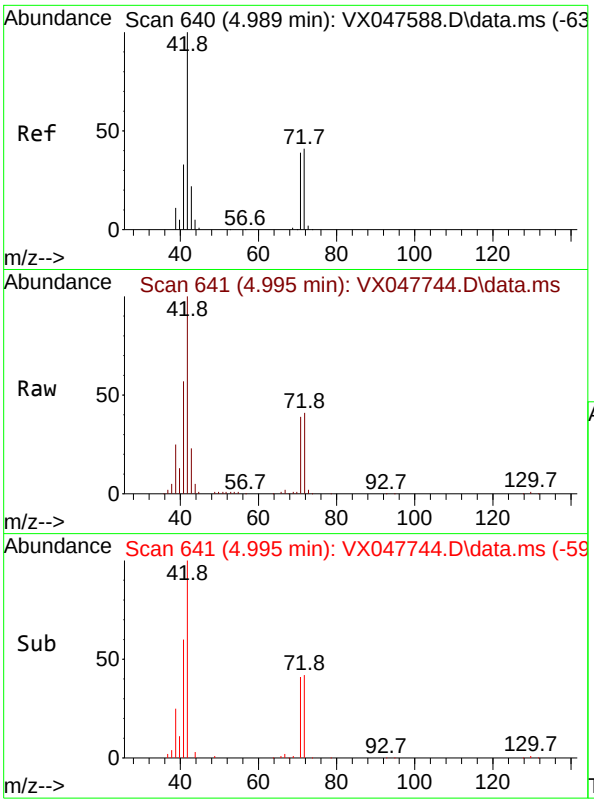




#28
Bromochloromethane
Concen: 52.489 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 49 Resp: 86403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 72.8 | 57.8 | 86.8 |



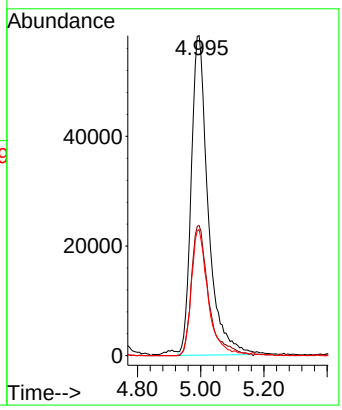


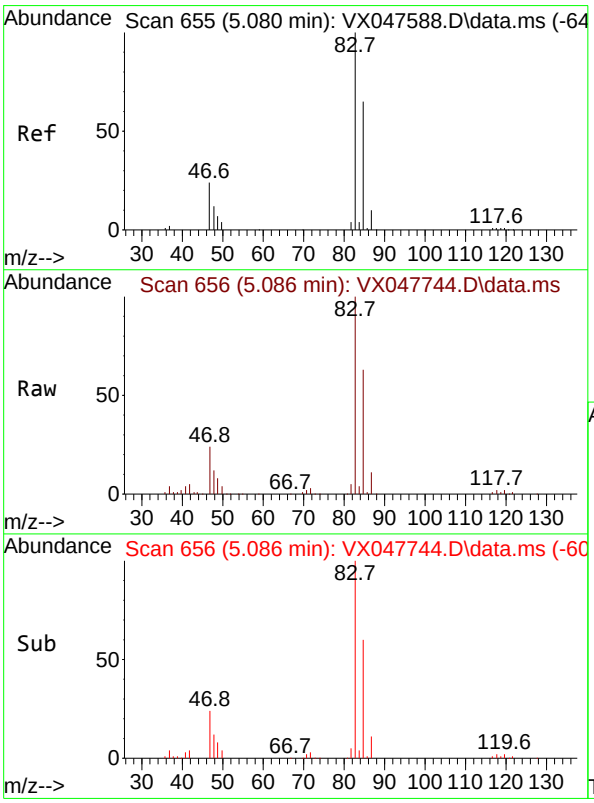

#29
Tetrahydrofuran
Concen: 281.124 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 217984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 41.5 | 34.2 | 51.2 |
| 71 | 39.0 | 31.9 | 47.9 |

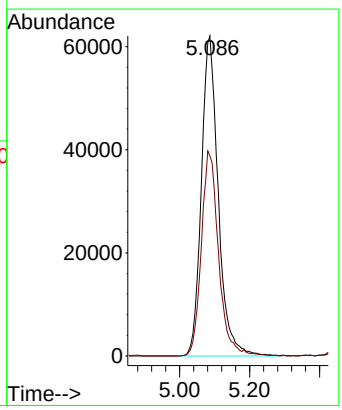


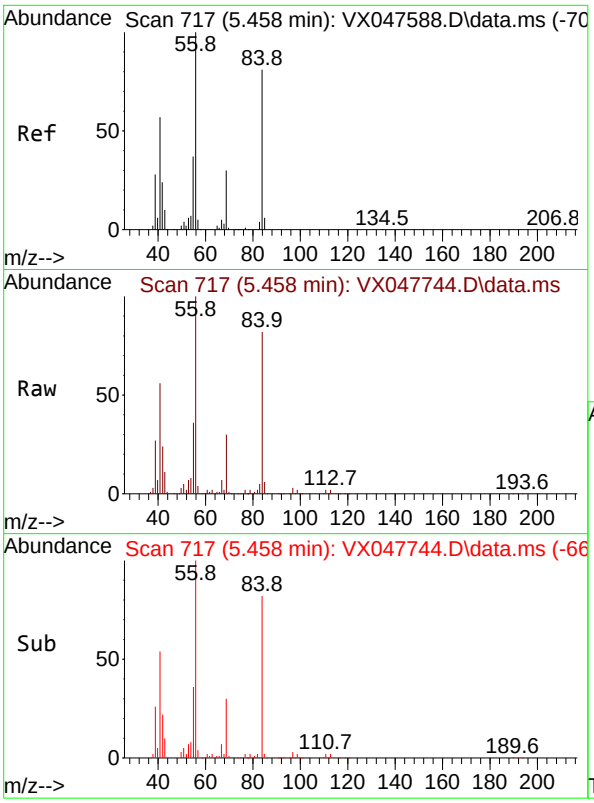




#30
Chloroform
Concen: 54.504 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 83 Resp: 207673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.5 | 51.8 | 77.6 |



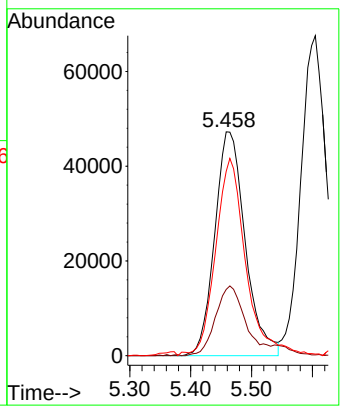


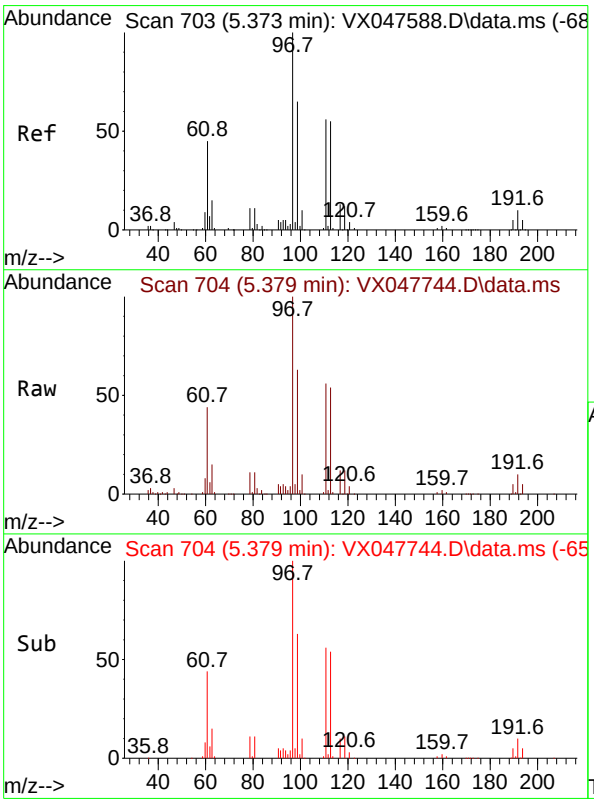

#31
Cyclohexane
Concen: 52.311 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 164278

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 29.1 | 23.8 | 35.8 |
| 84 | 82.3 | 64.6 | 97.0 |

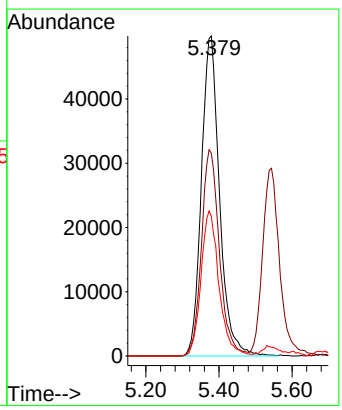


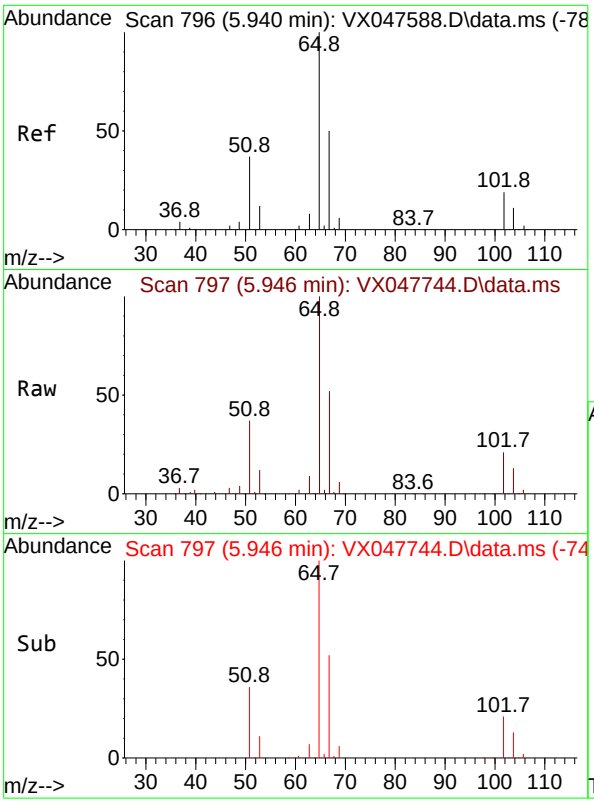




#32
1,1,1-Trichloroethane
Concen: 53.110 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 97 Resp: 171647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.8 | 50.6 | 76.0 |
| 61 | 45.0 | 35.8 | 53.8 |



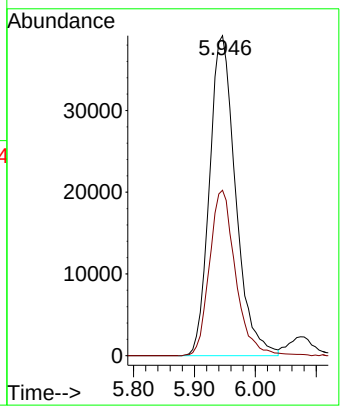


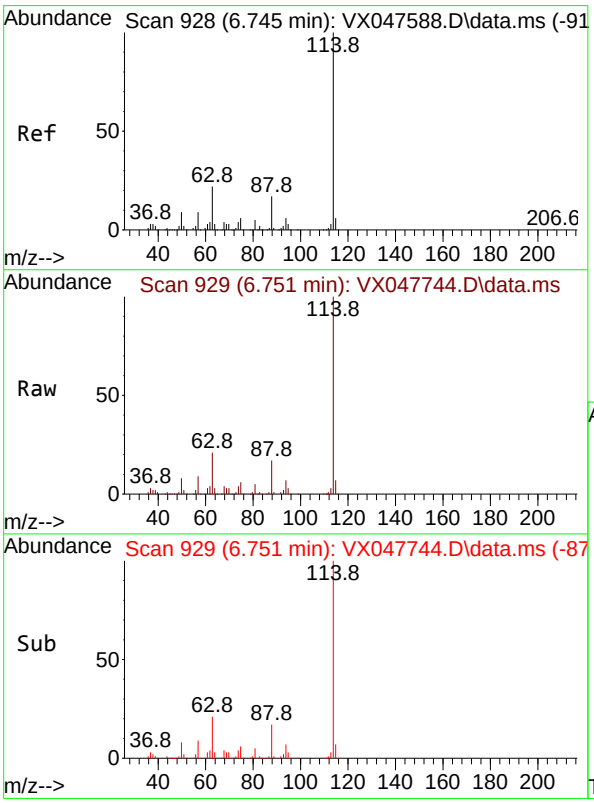

#33
1,2-Dichloroethane-d4
Concen: 49.065 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 116606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.7 | 0.0 | 103.0 |

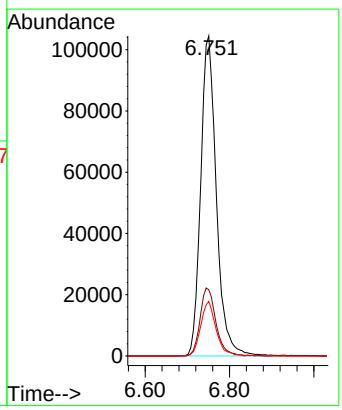


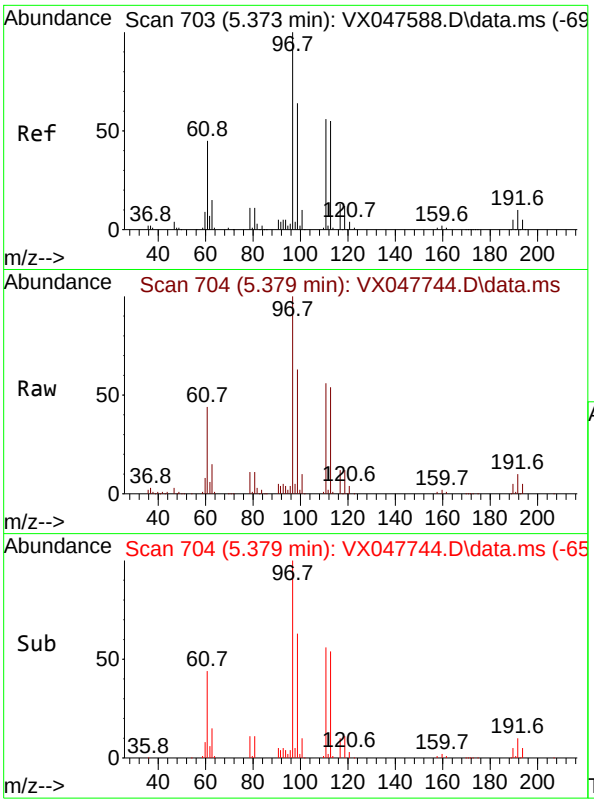




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:114 Resp: 270355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.7 | 0.0 | 44.0 |
| 88 | 17.1 | 0.0 | 34.2 |



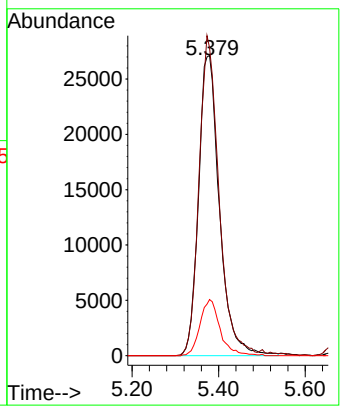


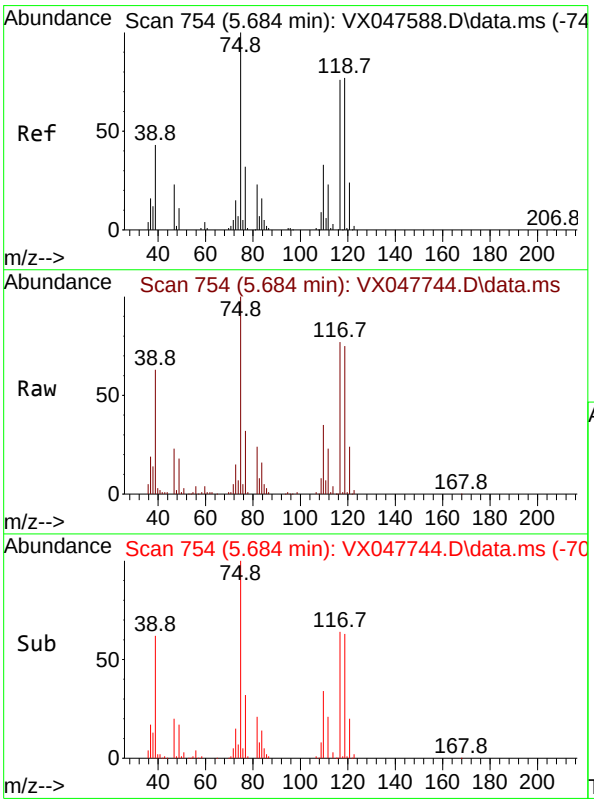

#35
Dibromofluoromethane
Concen: 50.112 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 90861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.7 | 80.9 | 121.3 |
| 192 | 18.0 | 14.2 | 21.4 |

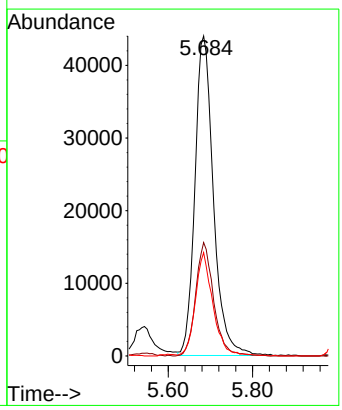


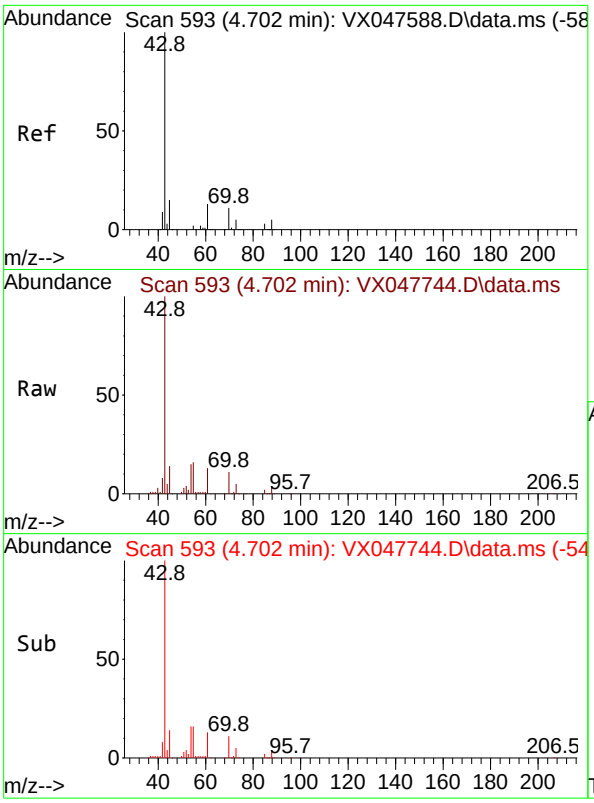




#36
1,1-Dichloropropene
Concen: 50.792 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 134570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 30.3 | 24.3 | 36.5 |



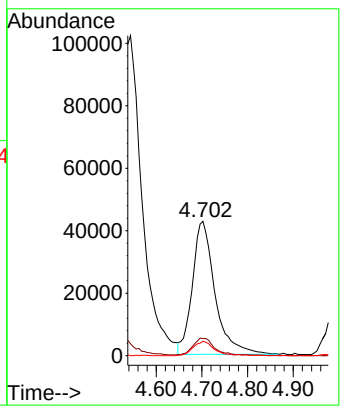


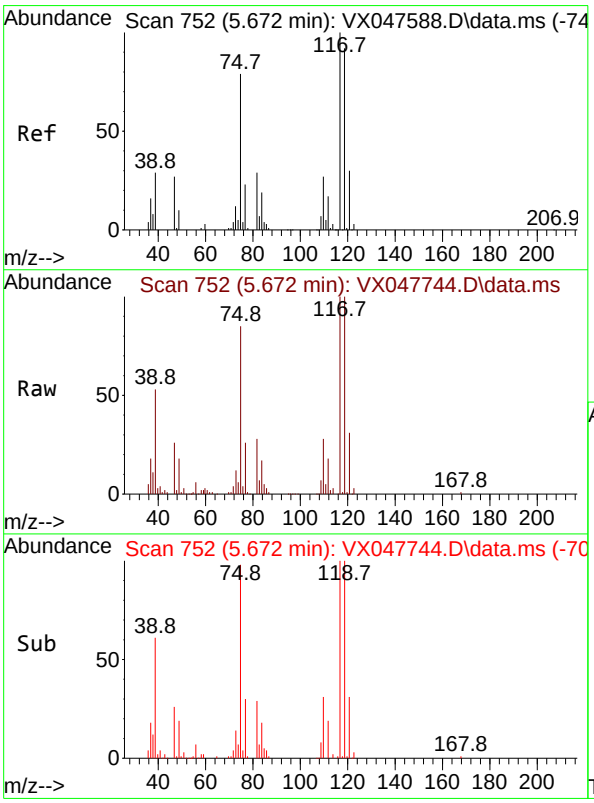

#37
Ethyl Acetate
Concen: 51.600 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 146380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.2 | 9.8 | 14.8 |
| 70 | 9.7 | 7.9 | 11.9 |

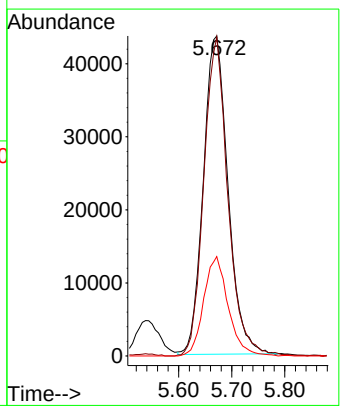


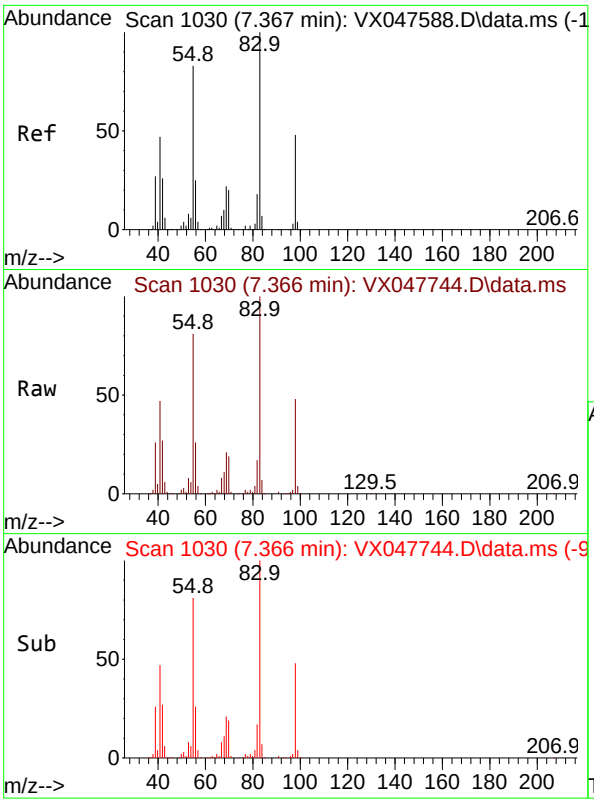




#38
Carbon Tetrachloride
Concen: 49.026 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:117 Resp: 141128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 100.0 | 73.4 | 110.2 |
| 121 | 31.2 | 23.8 | 35.6 |



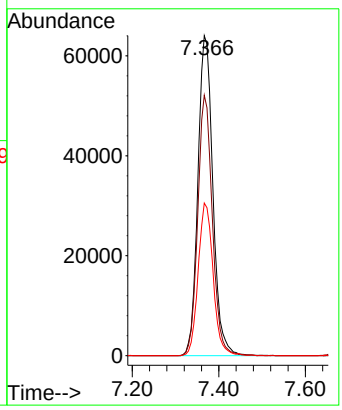


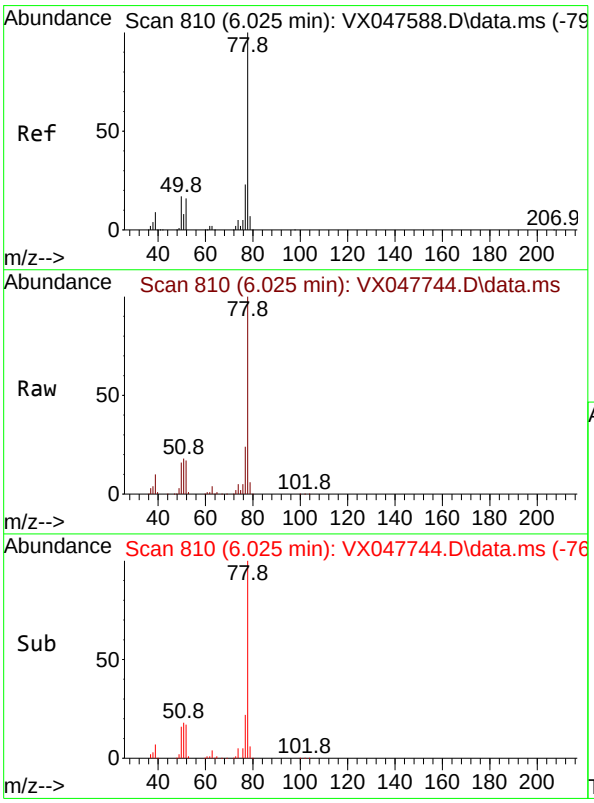

#39
Methylcyclohexane
Concen: 51.142 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 153808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.4 | 66.4 | 99.6 |
| 98 | 47.7 | 38.1 | 57.1 |

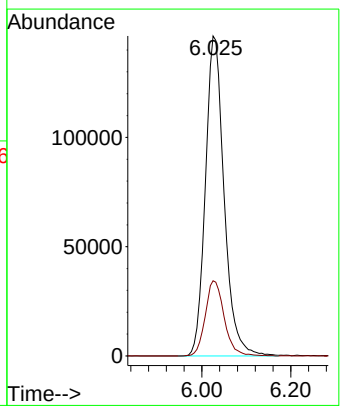


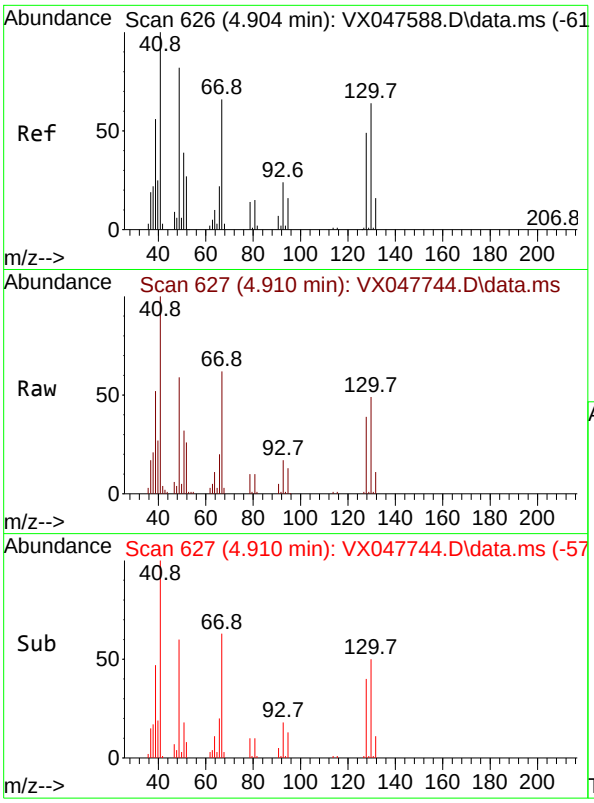




#40
Benzene
Concen: 53.282 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 78 Resp: 428760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



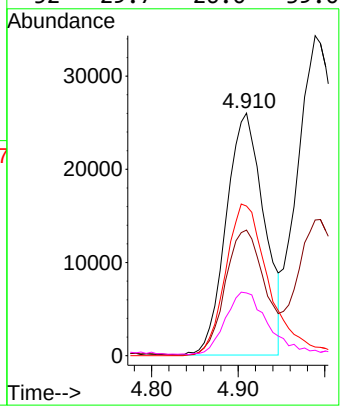


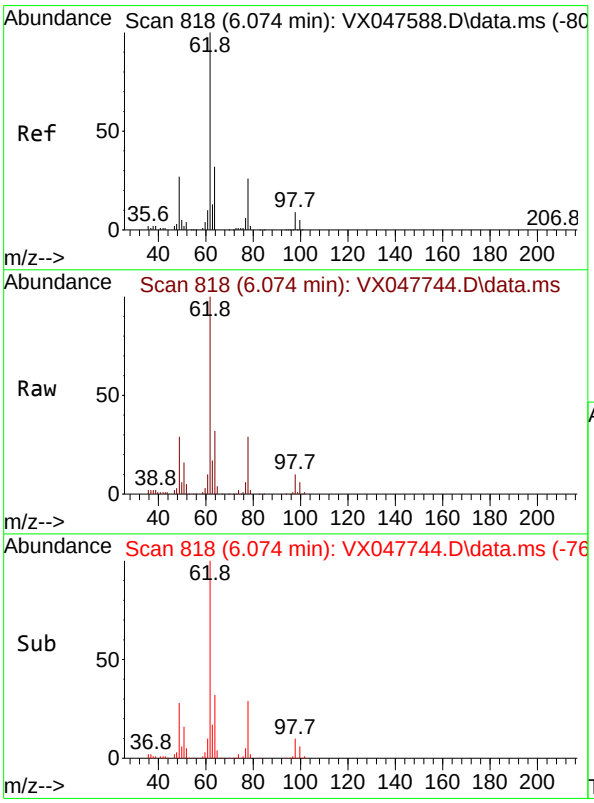

#41
Methacrylonitrile
Concen: 54.104 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 79236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 43.3 | 64.9 |
| 67 | 71.6 | 58.6 | 87.8 |
| 52 | 29.7 | 26.0 | 39.0 |

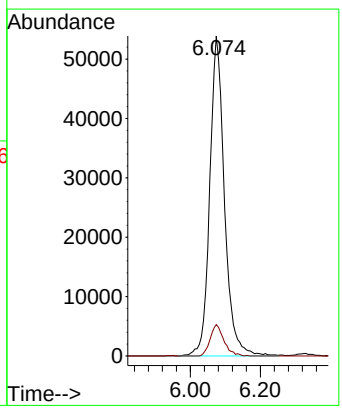


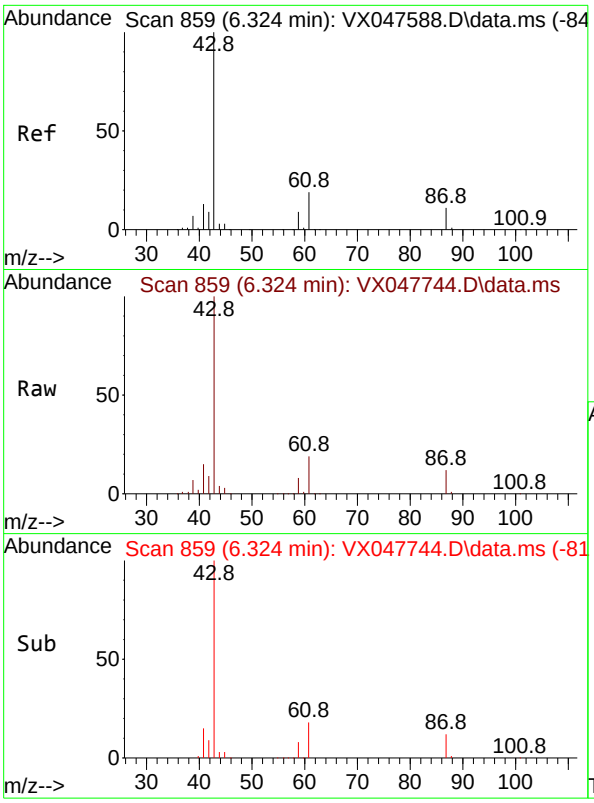




#42
1,2-Dichloroethane
Concen: 51.431 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 62 Resp: 157471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.0 |



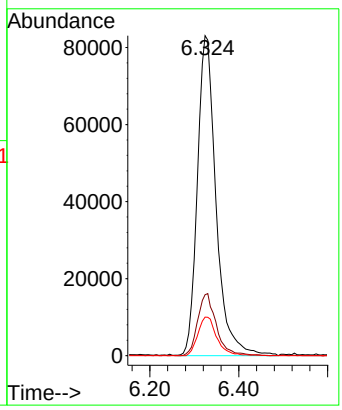


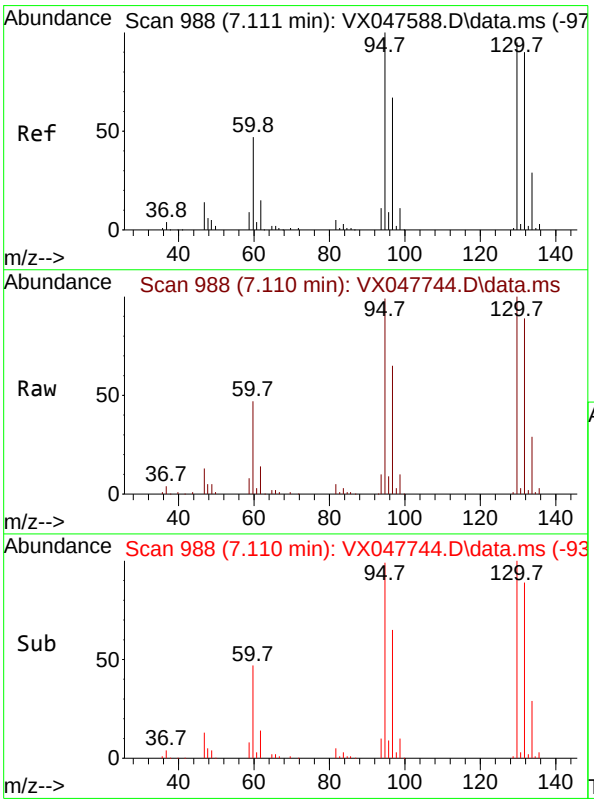

#43
Isopropyl Acetate
Concen: 52.327 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 243453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.2 | 9.6 | 14.4 |

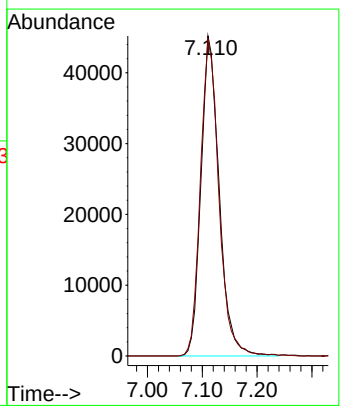


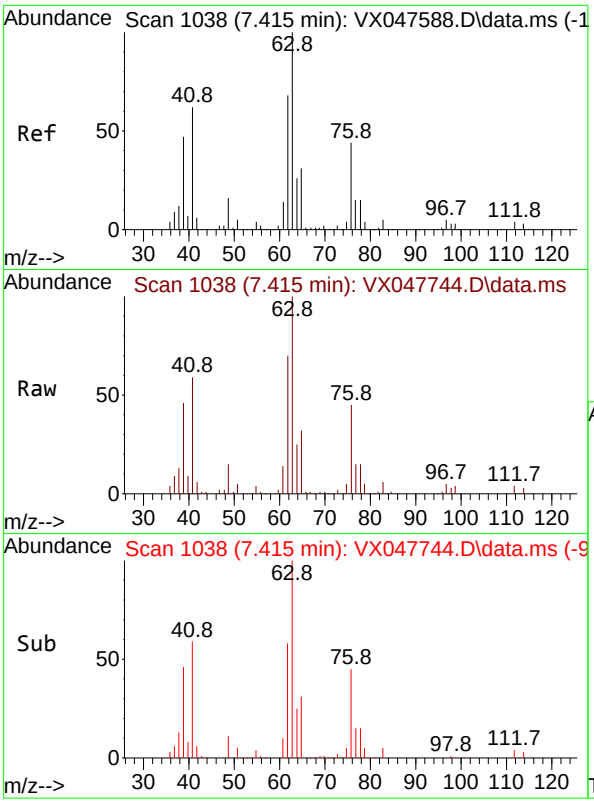




#44
Trichloroethene
Concen: 53.576 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:130 Resp: 104230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 99.1 | 0.0 | 210.8 |



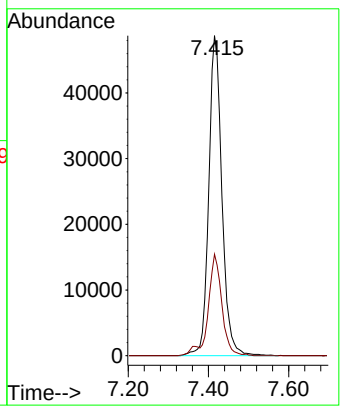


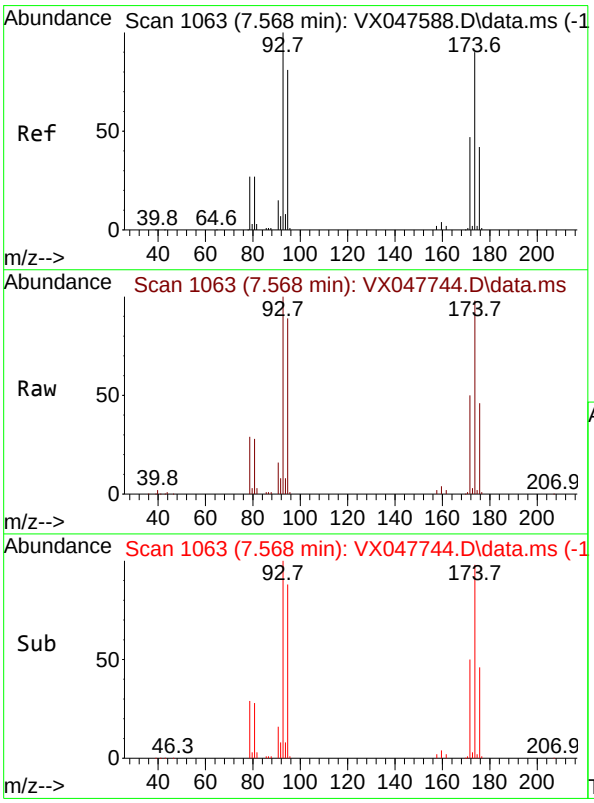

#45
1,2-Dichloropropane
Concen: 53.818 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 110894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.7 | 24.7 | 37.1 |

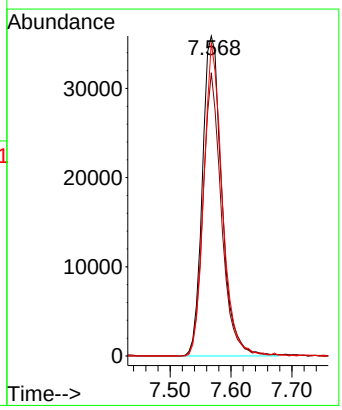


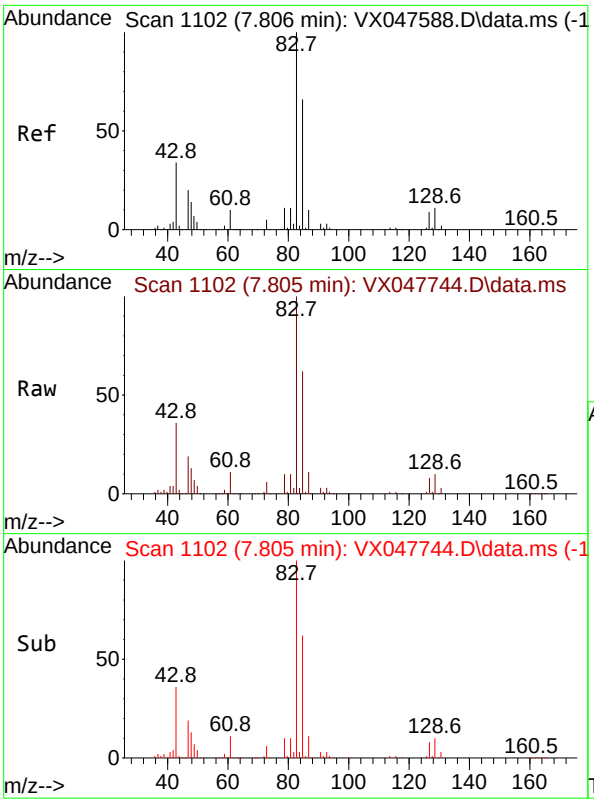




#46
Dibromomethane
Concen: 53.104 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 93 Resp: 79627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 83.6 | 65.0 | 97.6 |
| 174 | 92.5 | 71.6 | 107.4 |



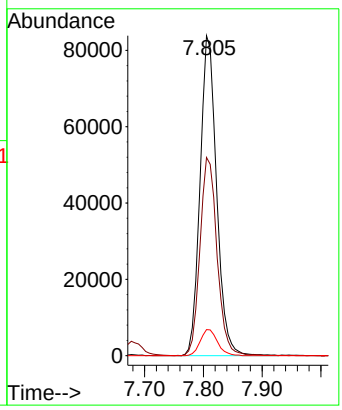


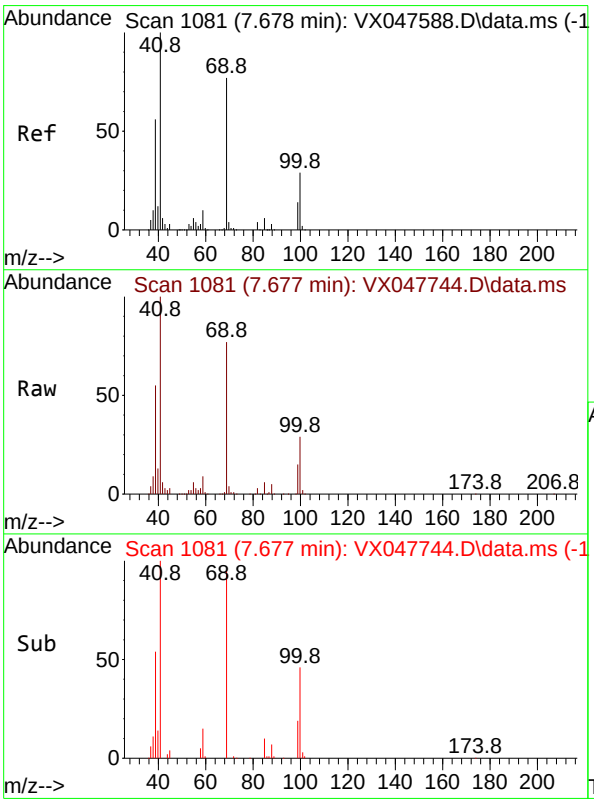

#47
Bromodichloromethane
Concen: 53.077 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 164232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 61.8 | 52.5 | 78.7 |
| 127 | 8.1 | 6.9 | 10.3 |

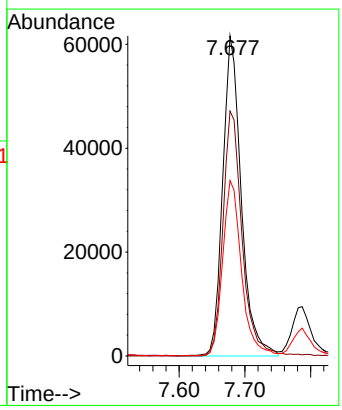


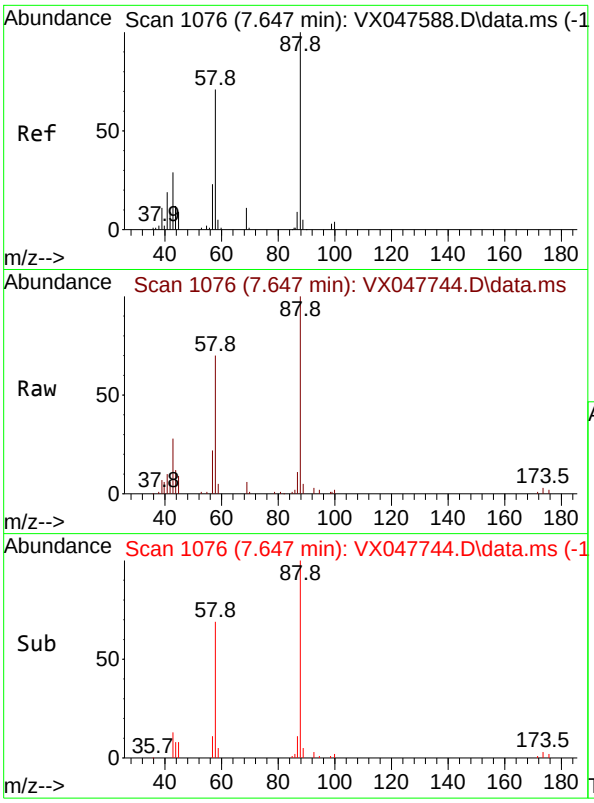




#48
Methyl methacrylate
Concen: 52.283 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 41 Resp: 121164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 61.4 | 92.2 |
| 39 | 55.7 | 45.8 | 68.6 |



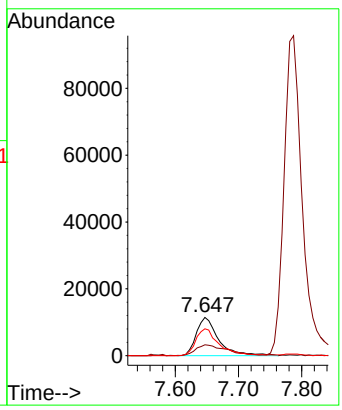


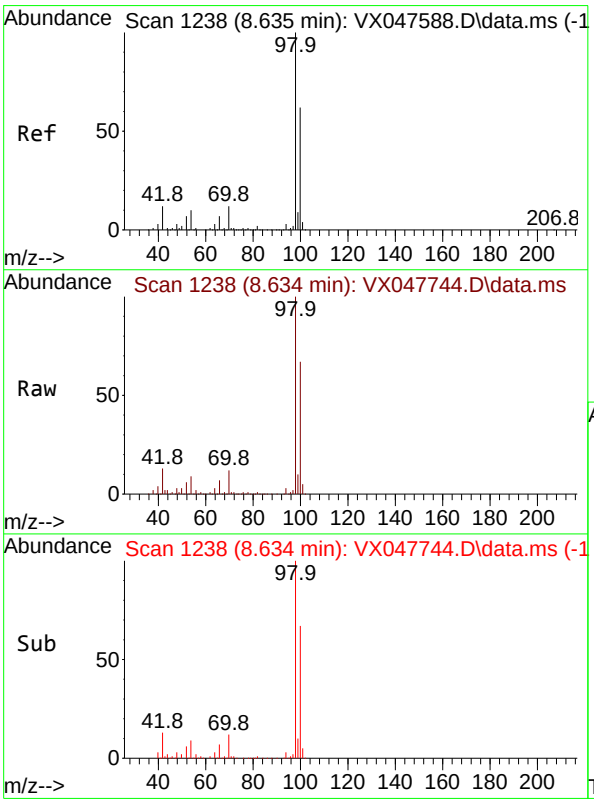

#49
1,4-Dioxane
Concen: 1196.046 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 28012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 39.5 | 30.2 | 45.2 |
| 58 | 74.0 | 59.5 | 89.3 |

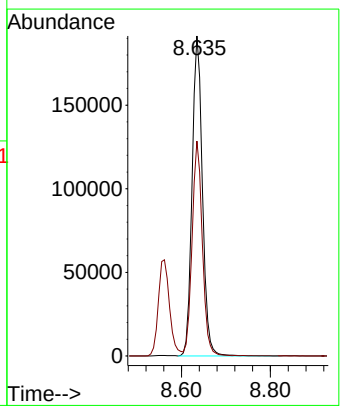


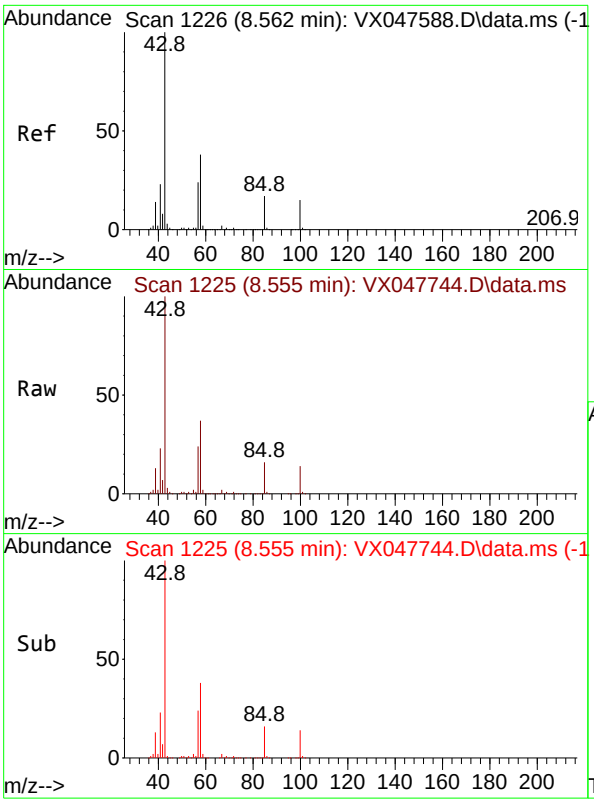




#50
Toluene-d8
Concen: 49.087 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 98 Resp: 307967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |



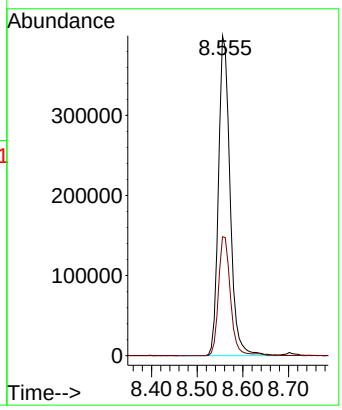


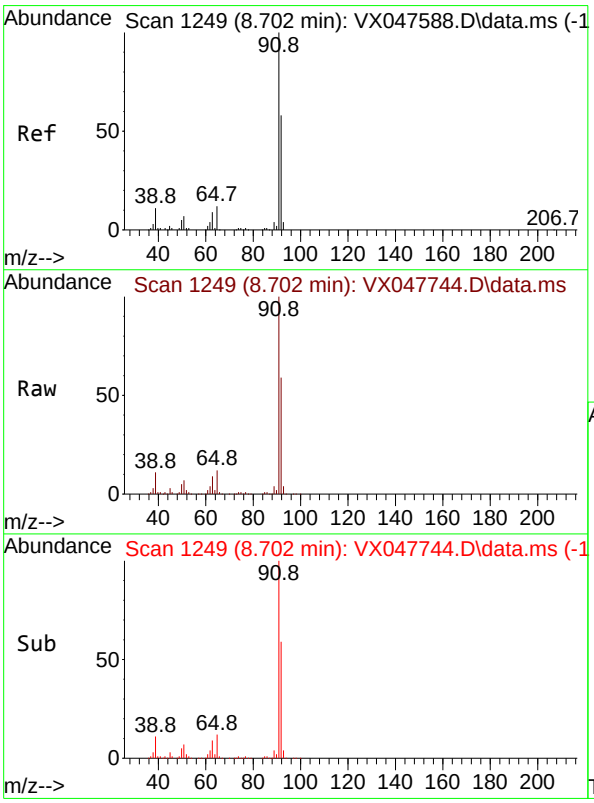

#51
4-Methyl-2-Pentanone
Concen: 272.809 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 703728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |

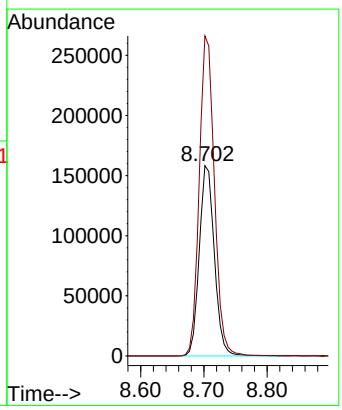


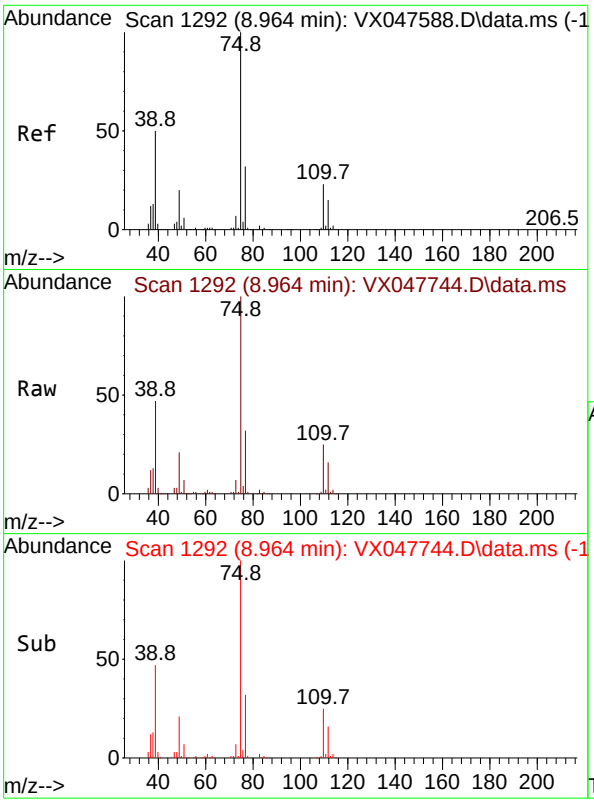




#52
Toluene
Concen: 53.113 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 92 Resp: 263320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 169.0 | 137.1 | 205.7 |



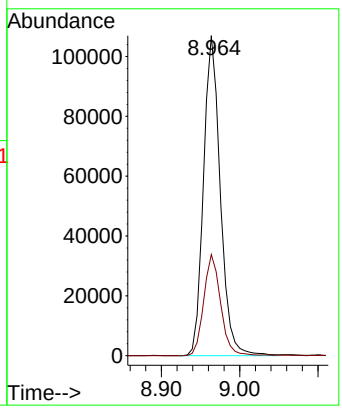


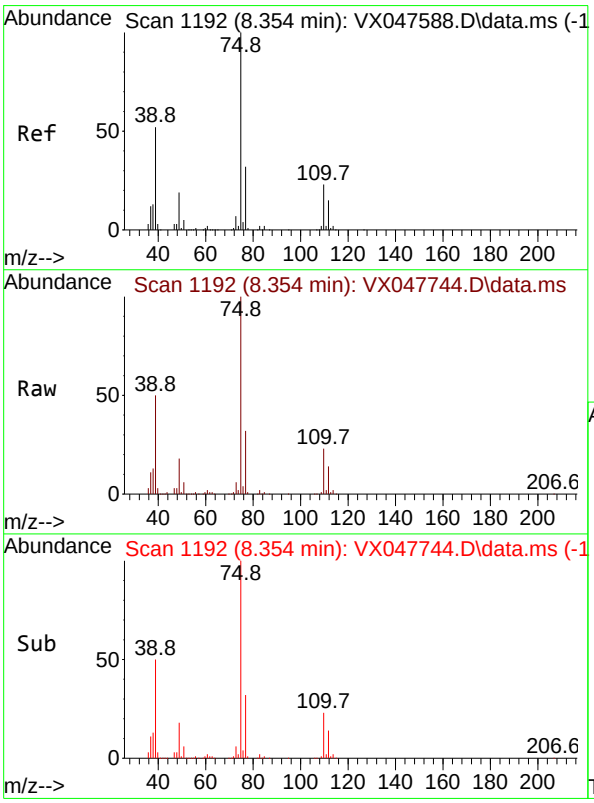

#53
t-1,3-Dichloropropene
Concen: 50.499 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 159381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.6 | 25.4 | 38.2 |

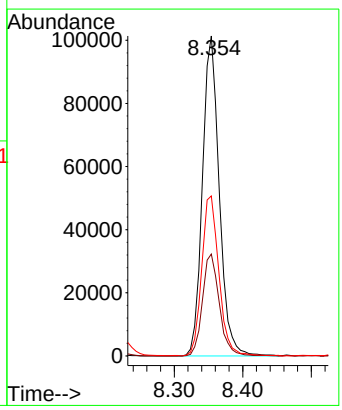


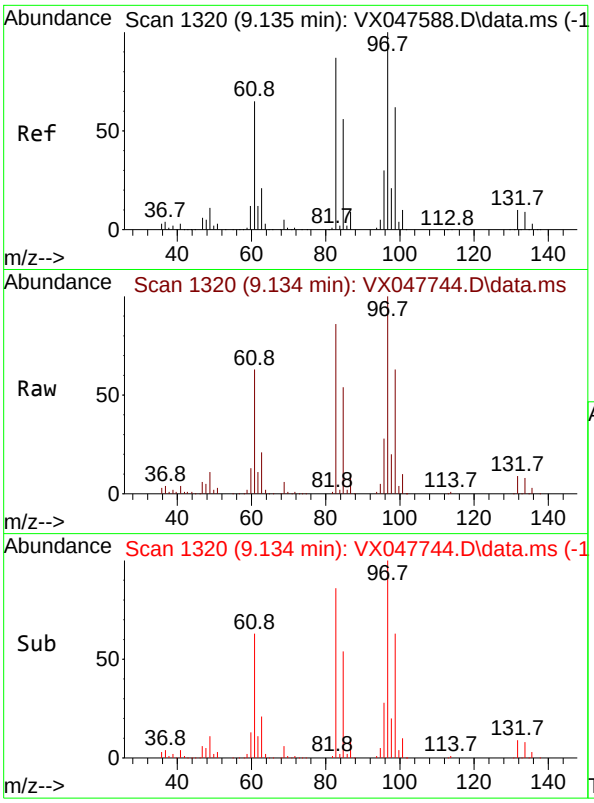




#54
cis-1,3-Dichloropropene
Concen: 51.421 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 173466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 25.8 | 38.6 |
| 39 | 49.8 | 41.4 | 62.2 |



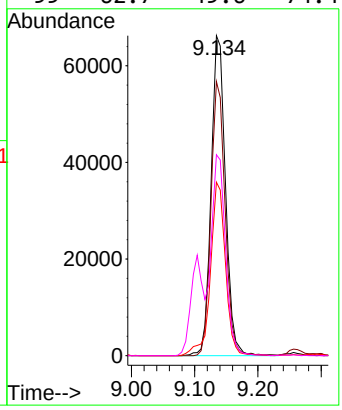


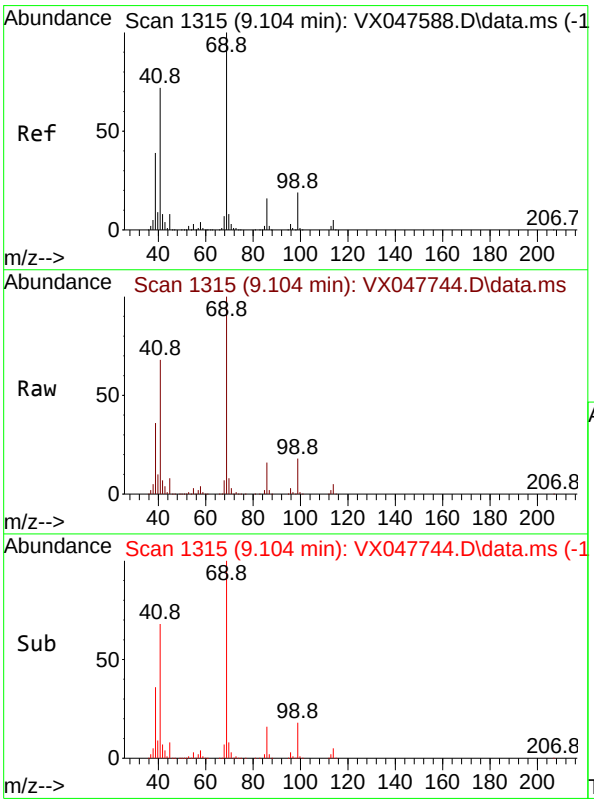

#55
1,1,2-Trichloroethane
Concen: 54.692 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 104553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 85.6 | 69.6 | 104.4 |
| 85 | 54.2 | 45.0 | 67.6 |
| 99 | 62.7 | 49.6 | 74.4 |

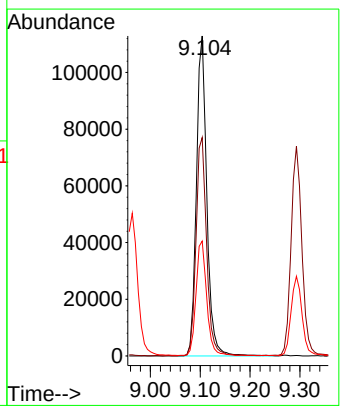


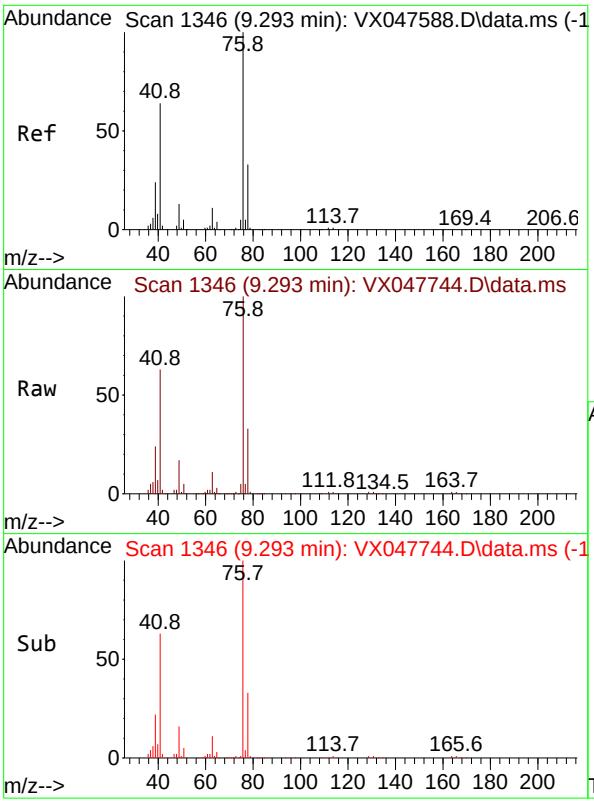




#56
Ethyl methacrylate
Concen: 54.448 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 69 Resp: 163467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.6 | 58.6 | 87.8 |
| 39 | 36.6 | 31.5 | 47.3 |



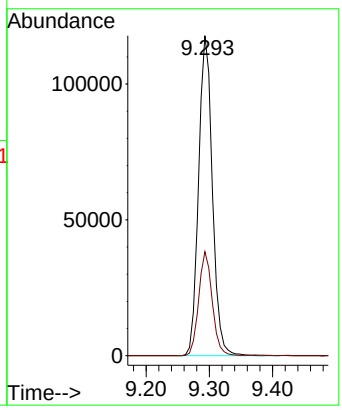


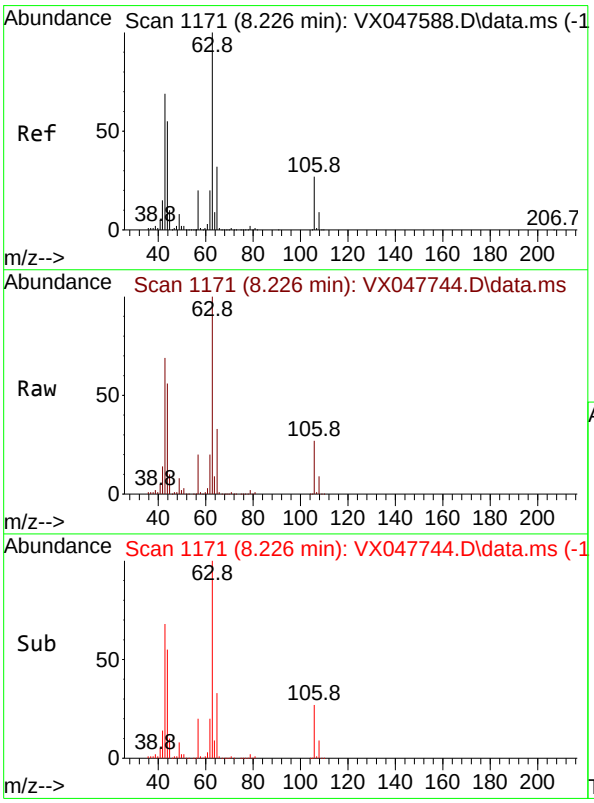

#57
1,3-Dichloropropane
Concen: 54.560 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 179171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.9 | 26.2 | 39.4 |

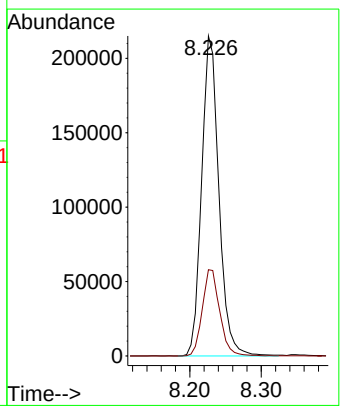


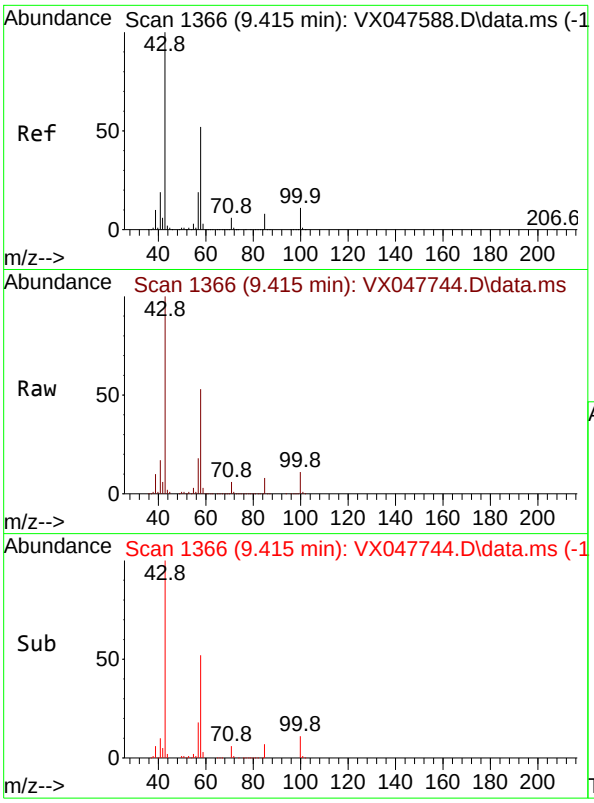




#58
2-Chloroethyl Vinyl ether
Concen: 251.172 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 63 Resp: 360369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.2 | 21.9 | 32.9 |



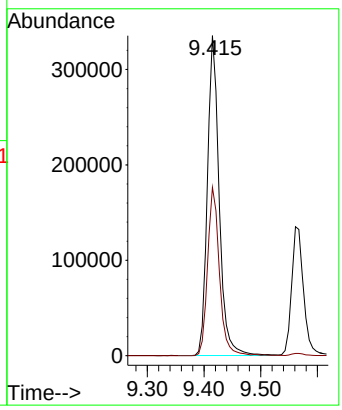


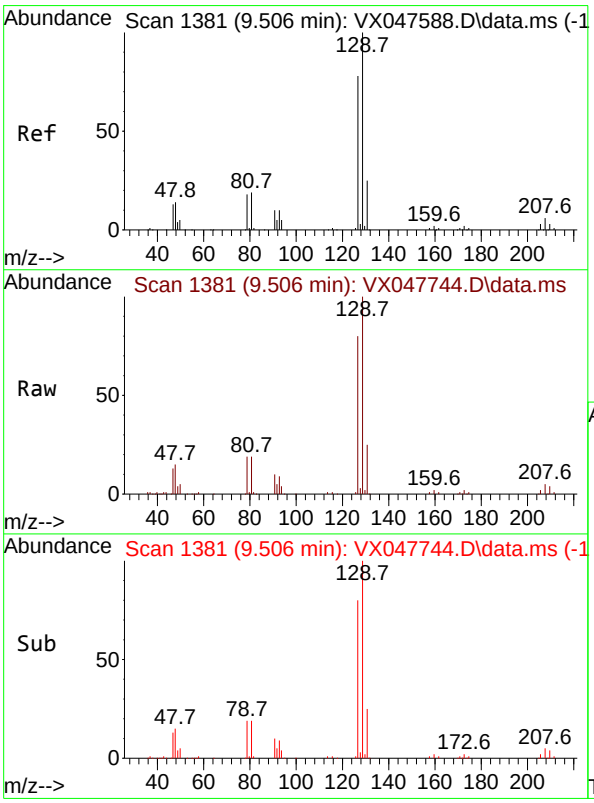

#59
2-Hexanone
Concen: 260.895 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 483347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.0 | 26.1 | 78.2 |

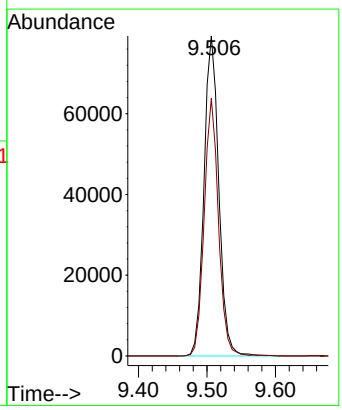


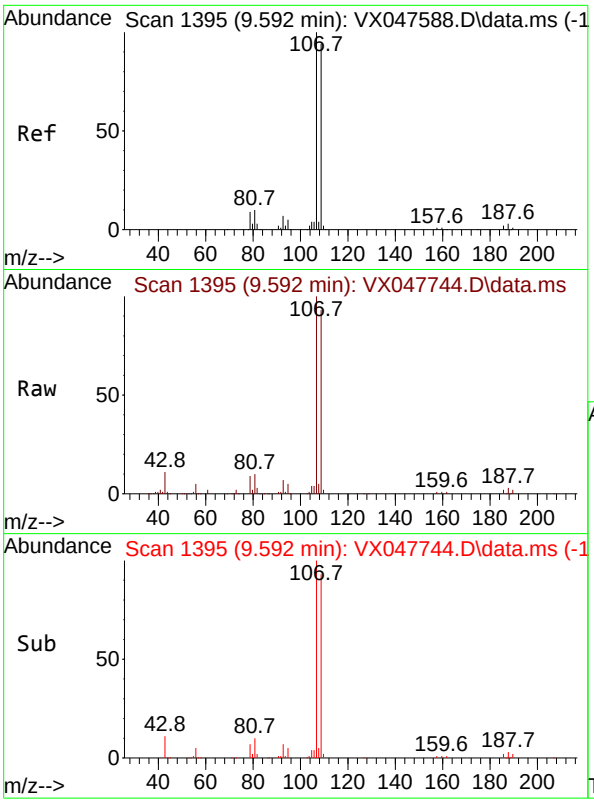




#60
Dibromochloromethane
Concen: 54.078 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:129 Resp: 119117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.9 | 38.4 | 115.2 |



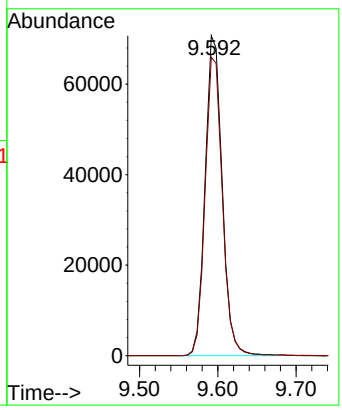


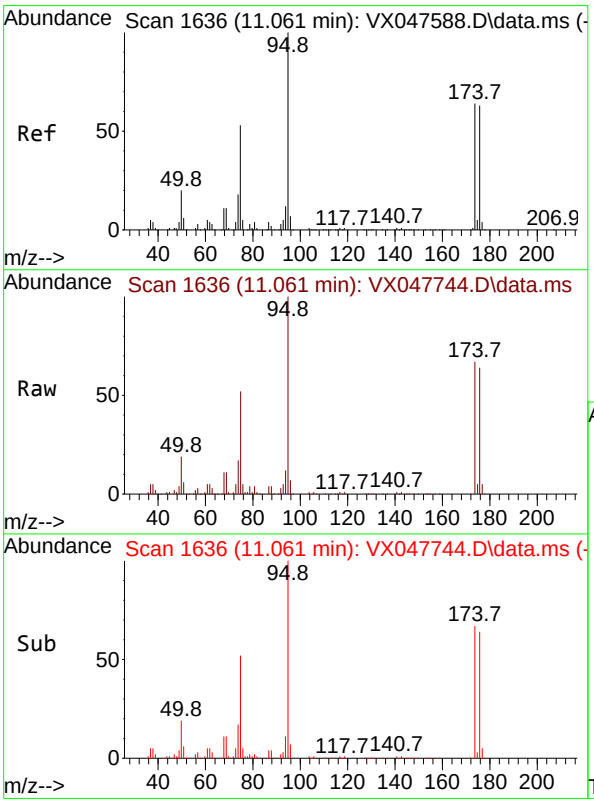

#61
1,2-Dibromoethane
Concen: 54.937 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 106971

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.3 | 75.3 | 112.9 |

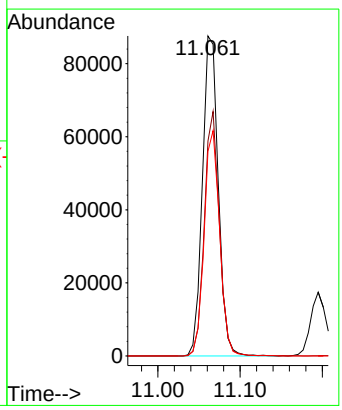


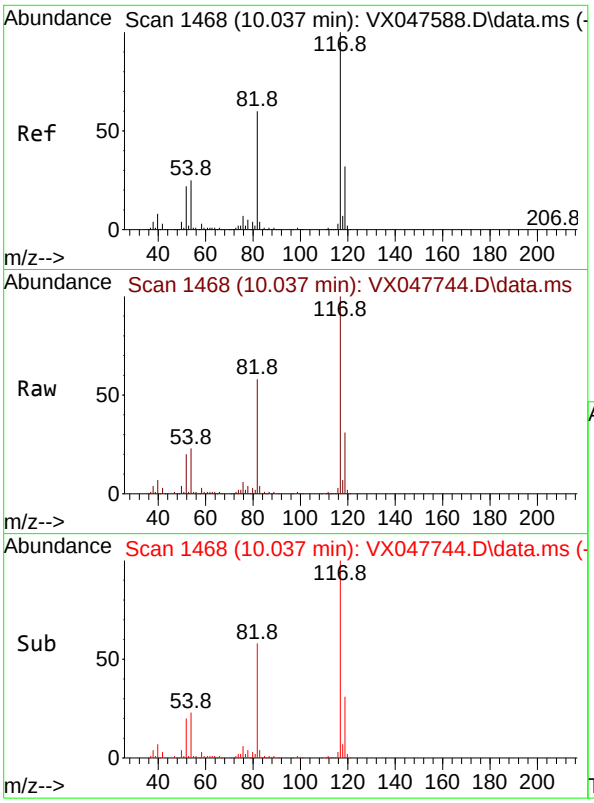




#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 95 Resp: 117402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.2 | 0.0 | 141.6 |
| 176 | 69.0 | 0.0 | 138.4 |



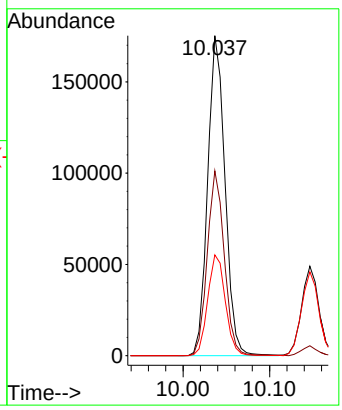


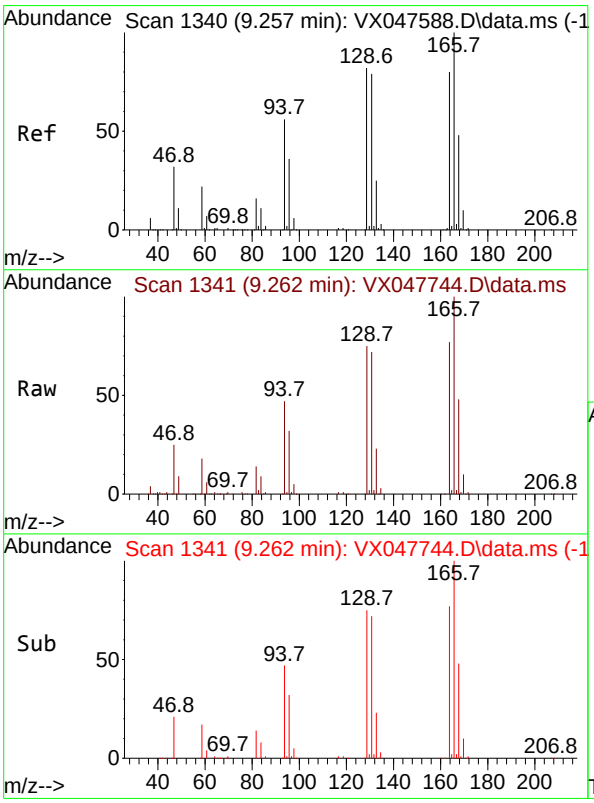

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 243306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.7 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |

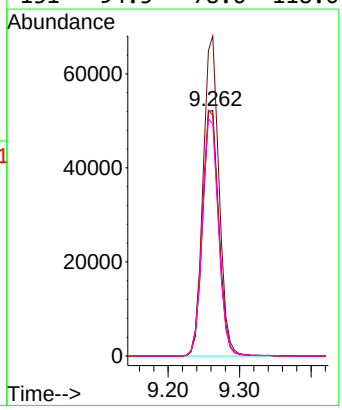


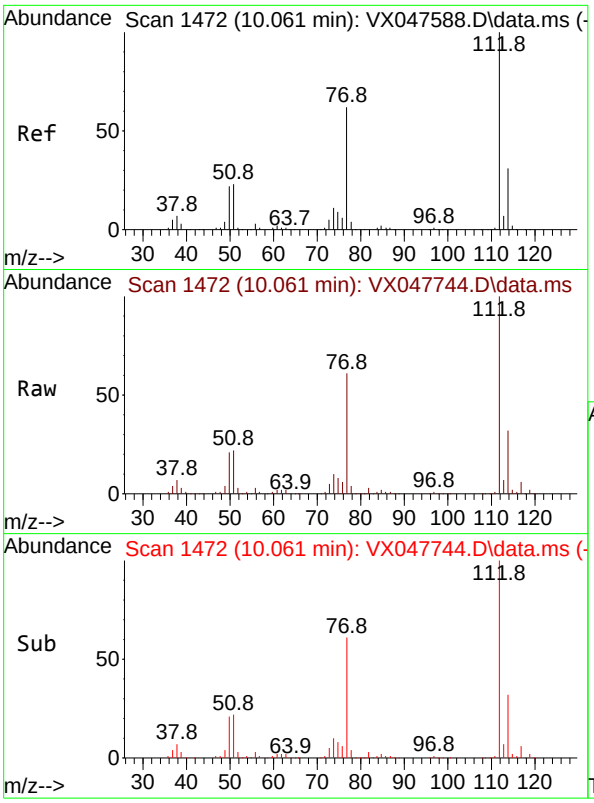




#64
Tetrachloroethene
Concen: 51.765 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:164 Resp: 82104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 130.4 | 100.2 | 150.2 |
| 129 | 98.1 | 81.8 | 122.6 |
| 131 | 94.5 | 78.6 | 118.0 |



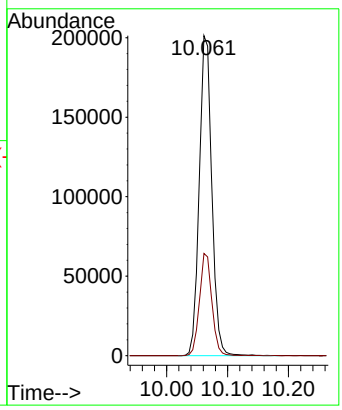


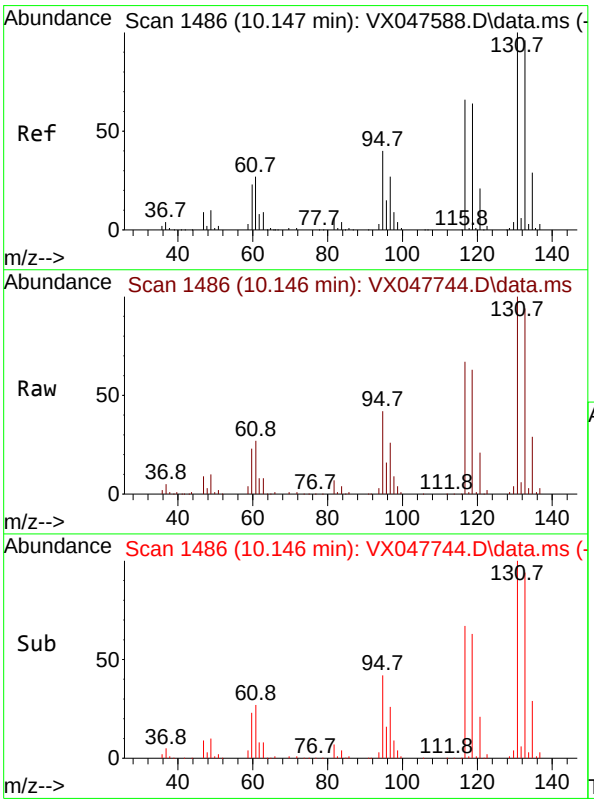

#65
Chlorobenzene
Concen: 52.159 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 288305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.1 | 37.7 |

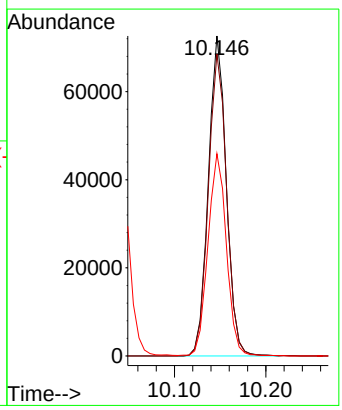


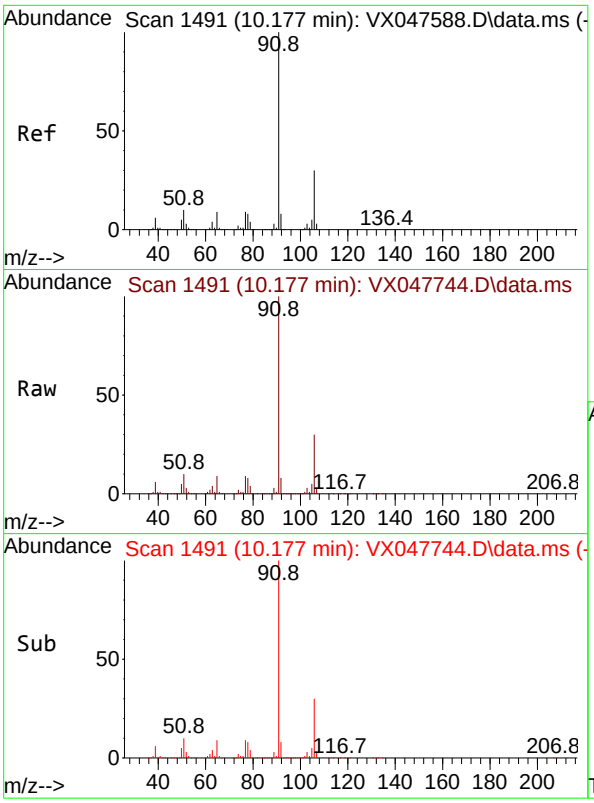




#66
1,1,1,2-Tetrachloroethane
Concen: 51.810 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:131 Resp: 98820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 96.3 | 47.3 | 142.0 |
| 119 | 65.2 | 32.0 | 96.0 |



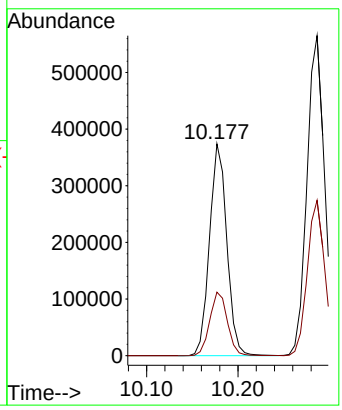


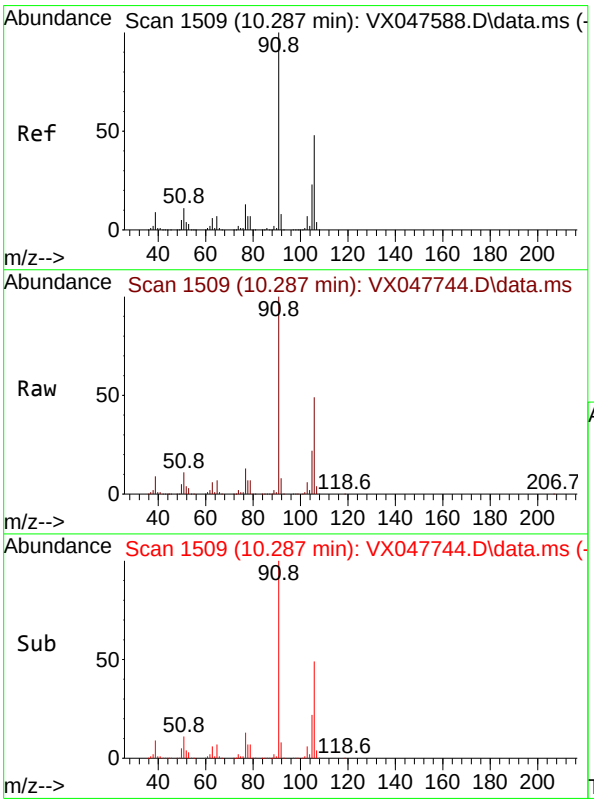

#67
Ethyl Benzene
Concen: 51.527 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 491426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |

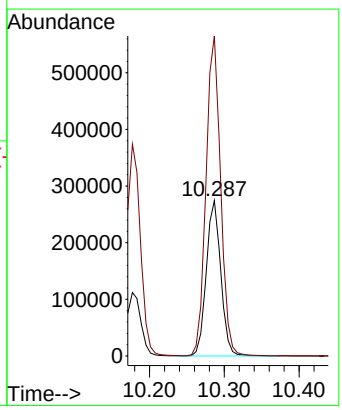


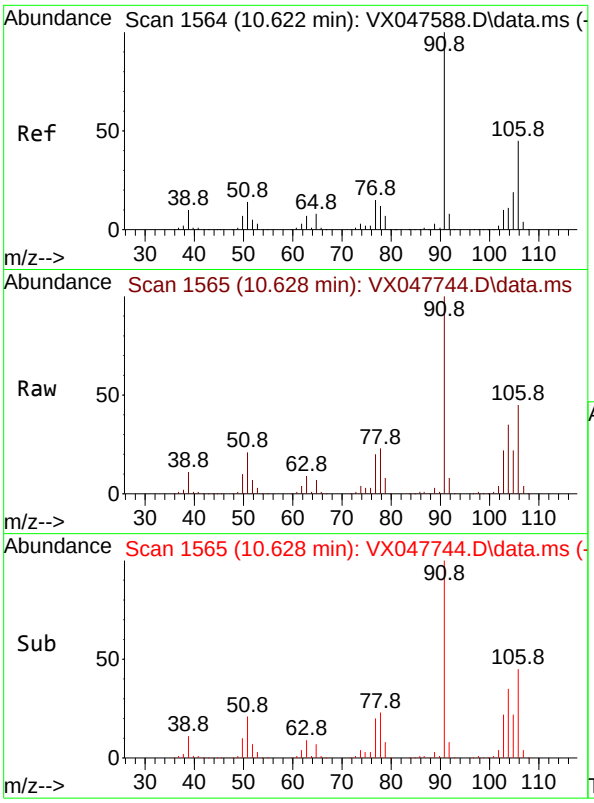




#68
m/p-Xylenes
Concen: 103.518 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:106 Resp: 367469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.6 | 167.8 | 251.8 |



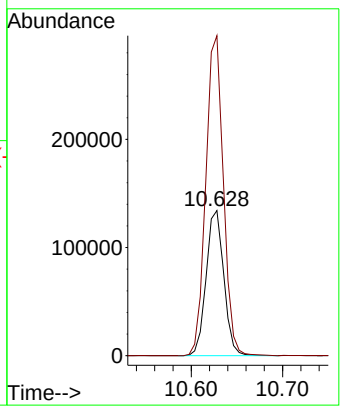


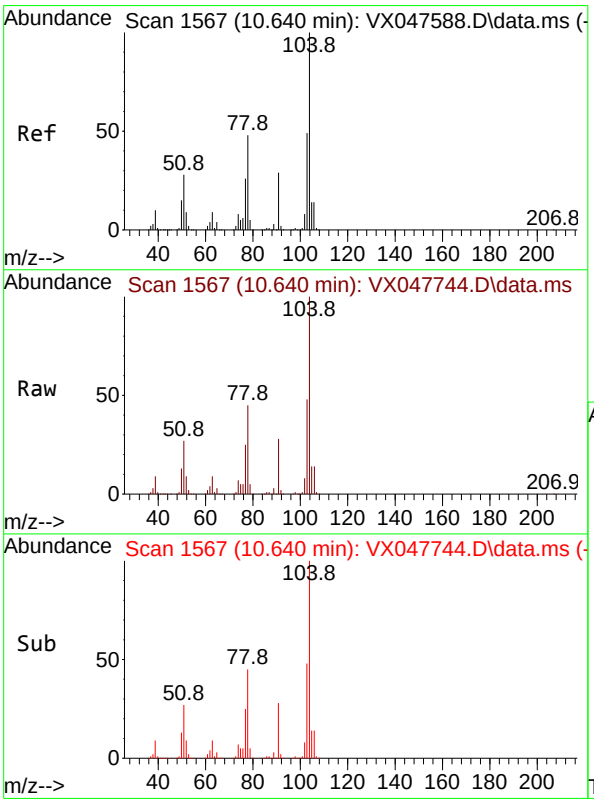

#69
o-Xylene
Concen: 52.511 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 180297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.4 | 111.1 | 333.4 |

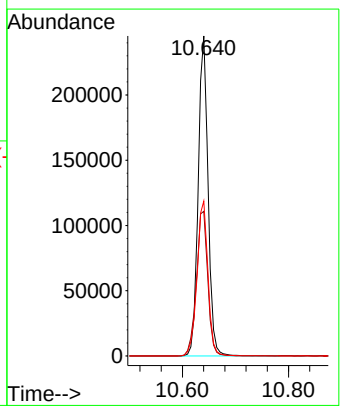


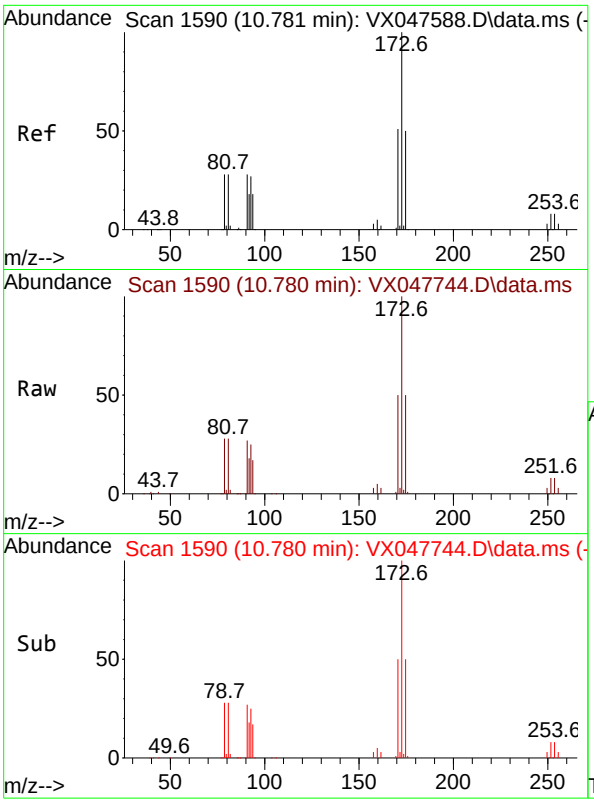




#70
Styrene
Concen: 52.779 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:104 Resp: 317529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.2 | 43.1 | 64.7 |
| 103 | 53.6 | 43.1 | 64.7 |



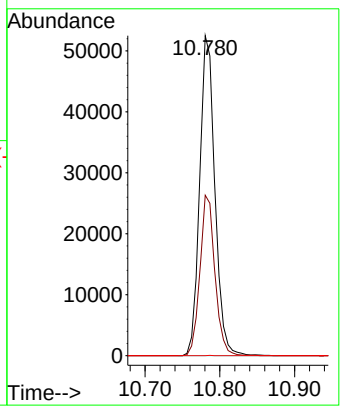


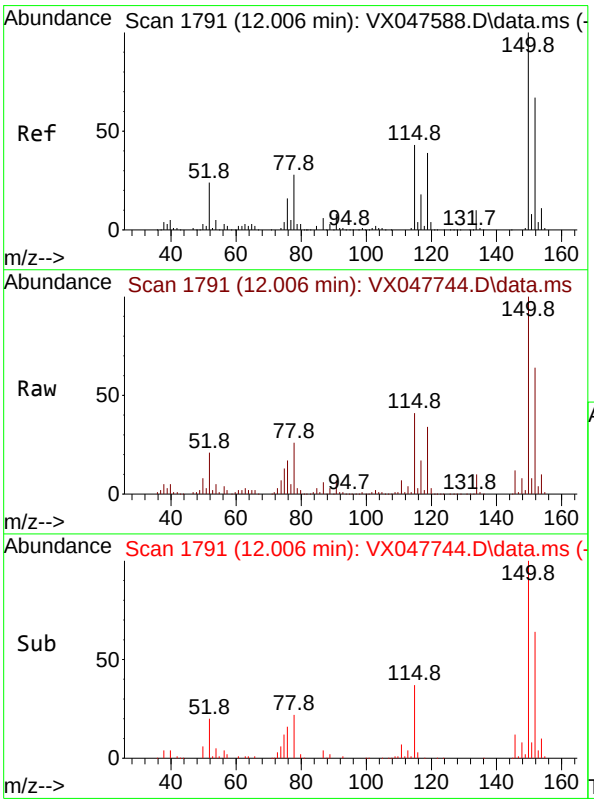

#71
Bromoform
Concen: 52.097 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 74197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

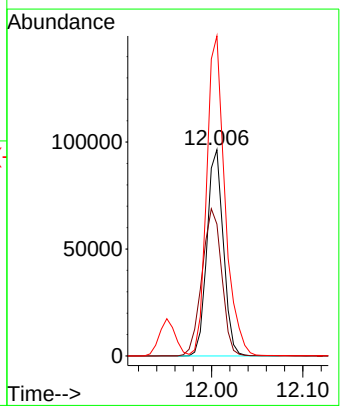


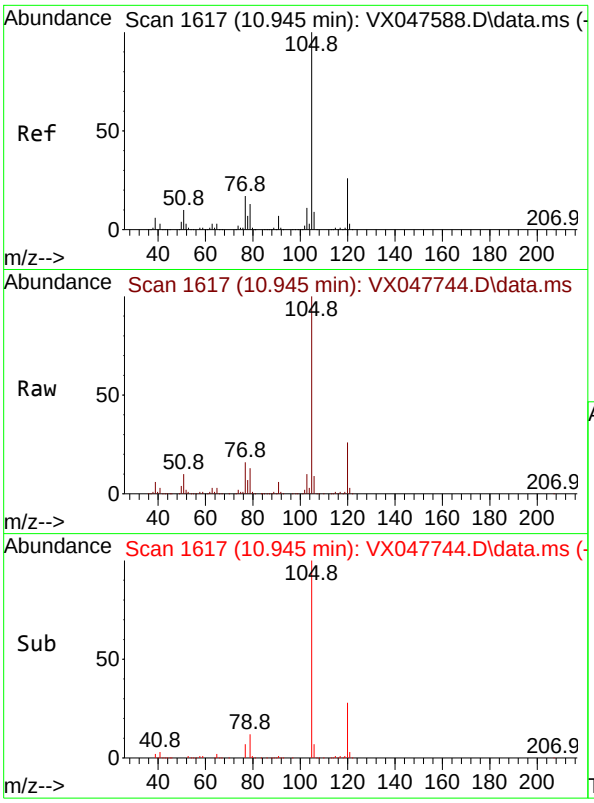




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:152 Resp: 119961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.2 | 44.9 | 134.5 |
| 150 | 173.4 | 0.0 | 352.0 |



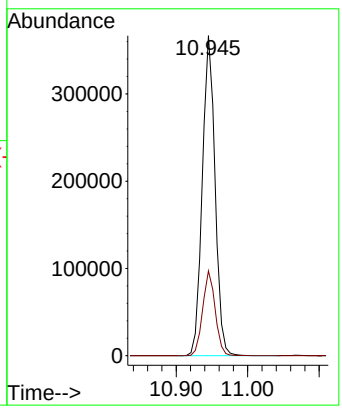


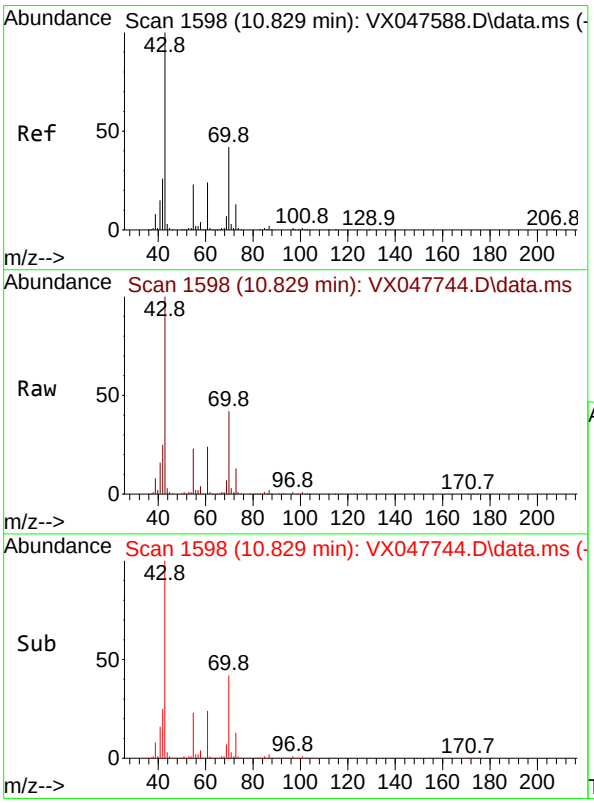

#73
Isopropylbenzene
Concen: 49.722 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 453473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |

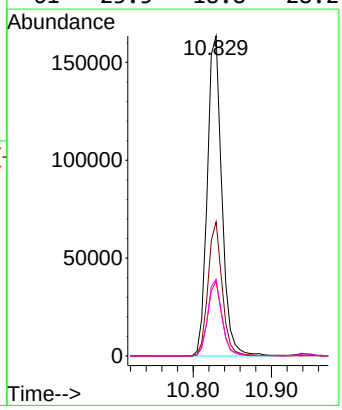


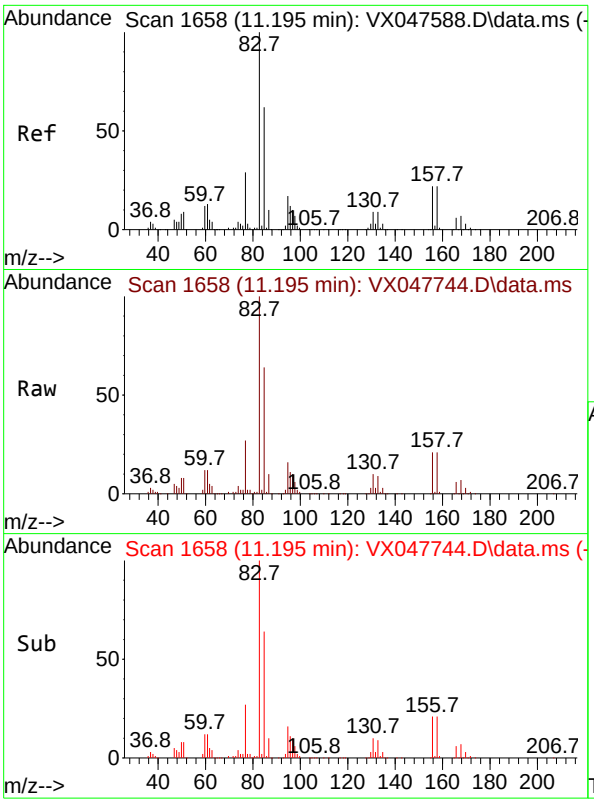




#74
N-amyl acetate
Concen: 50.685 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 43 Resp: 210798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.7 | 32.0 | 48.0 |
| 55 | 23.3 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |



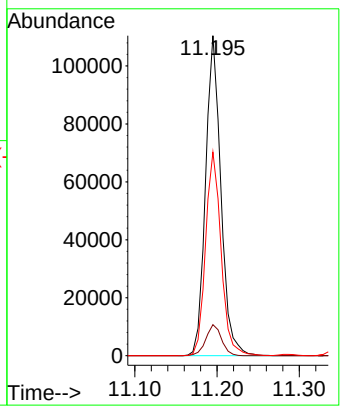


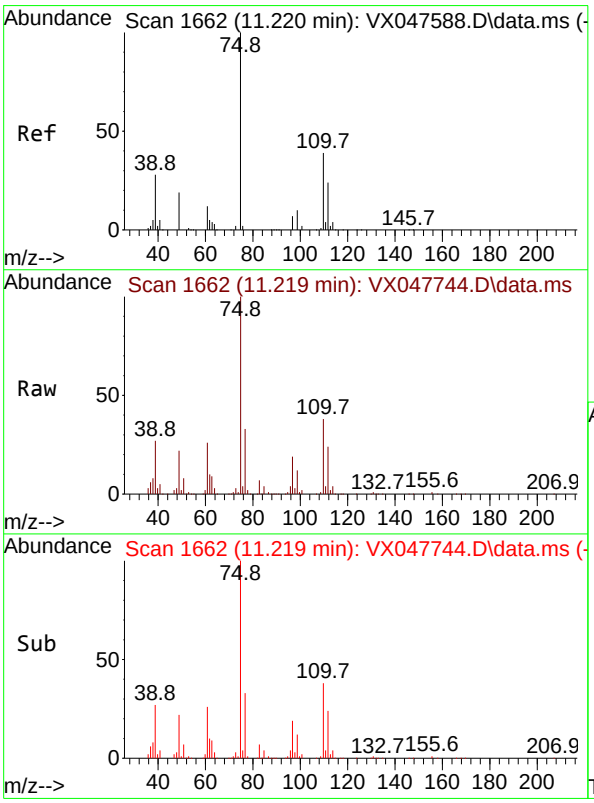

#75
1,1,2,2-Tetrachloroethane
Concen: 51.892 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 143186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.9 | 5.0 | 14.9 |
| 85 | 64.3 | 31.6 | 95.0 |

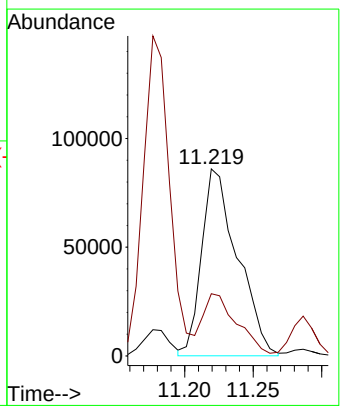


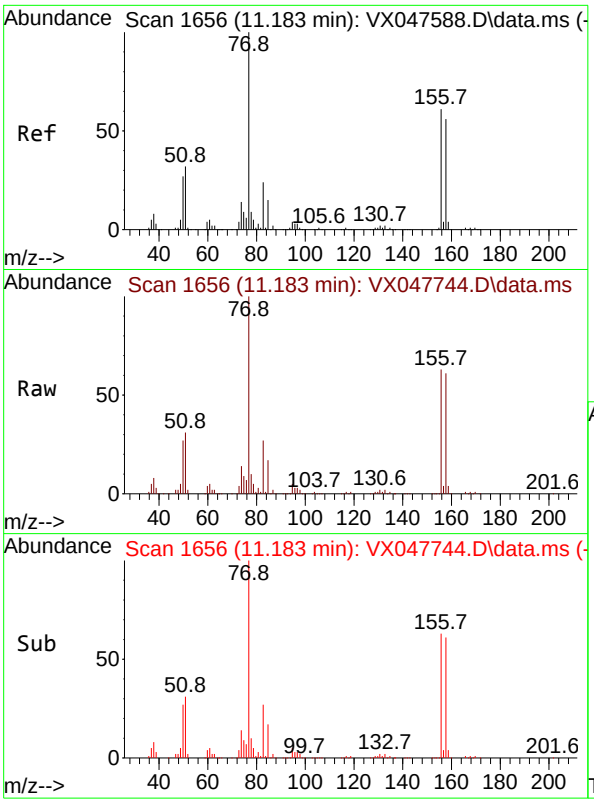




#76
1,2,3-Trichloropropane
Concen: 64.715 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 157182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.1 | 18.8 | 56.4 |



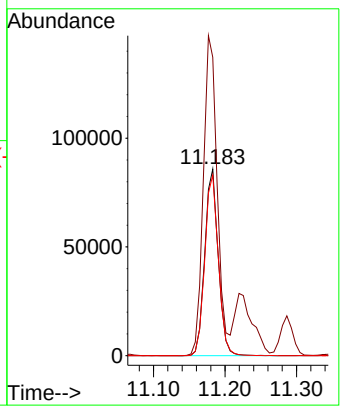


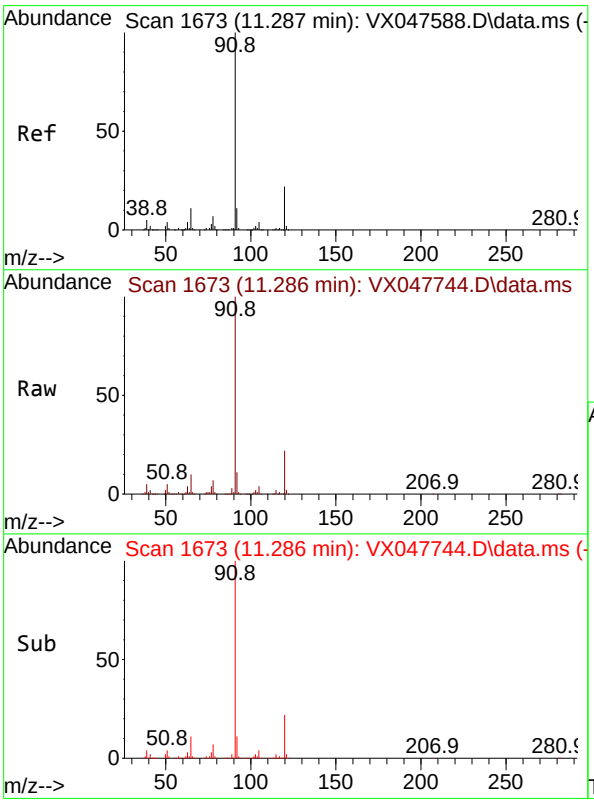

#77
Bromobenzene
Concen: 50.007 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 112329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 177.2 | 89.7 | 269.1 |
| 158 | 97.8 | 47.9 | 143.6 |

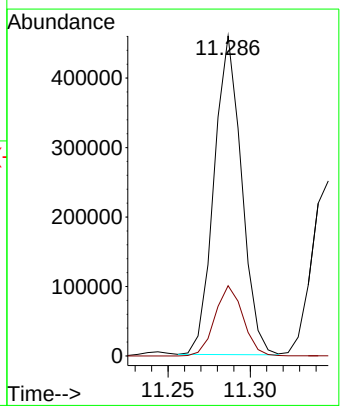


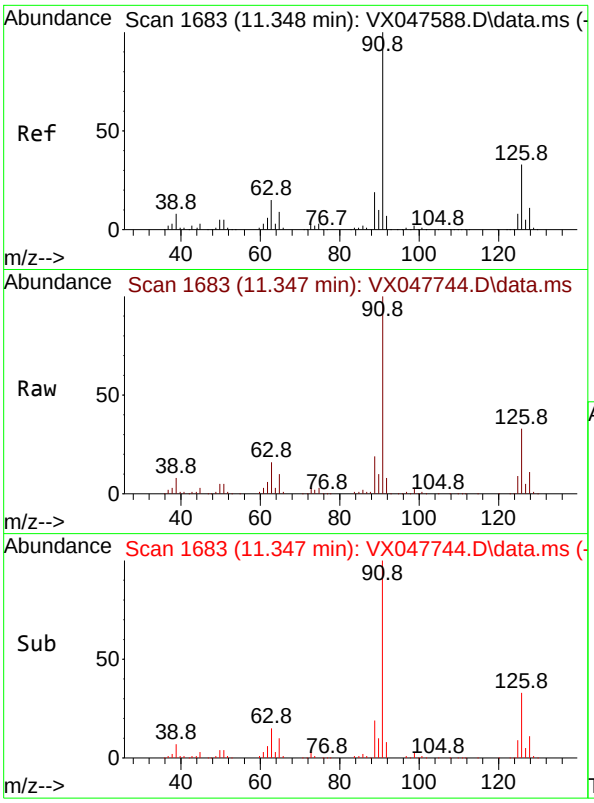




#78
n-propylbenzene
Concen: 49.483 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 533484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.1 | 33.1 |



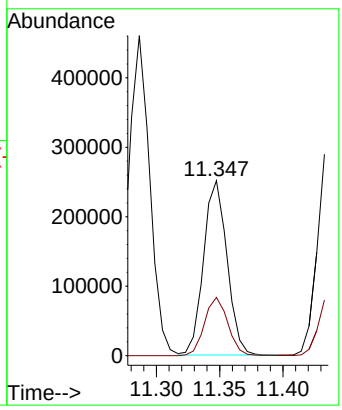


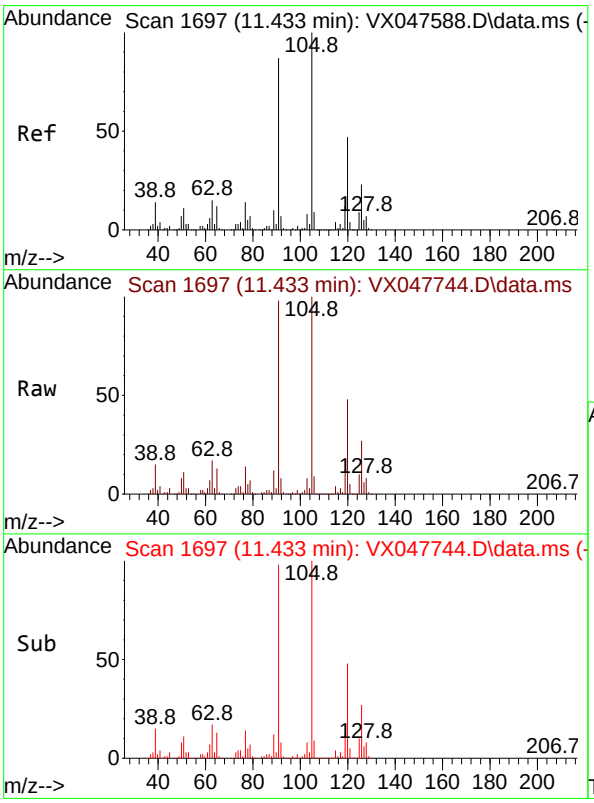

#79
2-Chlorotoluene
Concen: 49.069 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 324017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.4 | 16.1 | 48.3 |

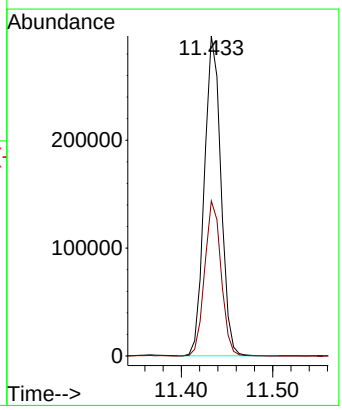


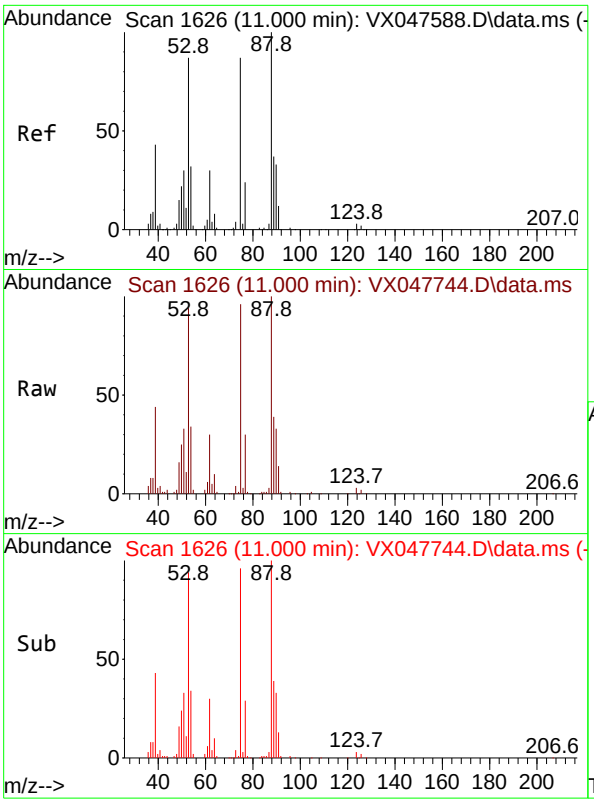




#80
1,3,5-Trimethylbenzene
Concen: 49.437 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 370433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.3 | 23.6 | 70.8 |



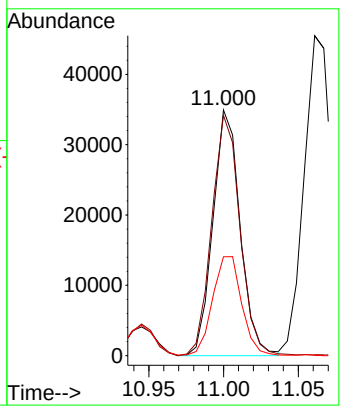


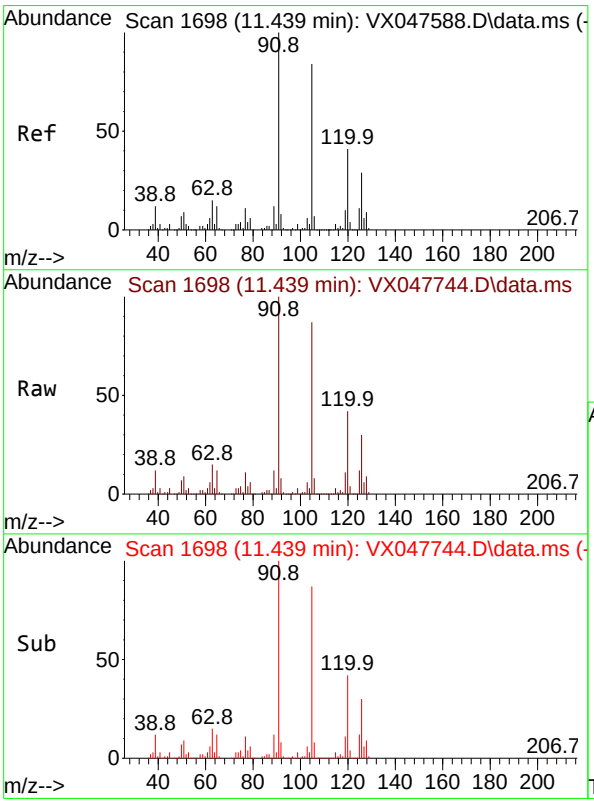

#81
trans-1,4-Dichloro-2-butene
Concen: 46.433 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 44224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.6 | 83.4 | 125.2 |
| 89 | 42.9 | 36.3 | 54.5 |

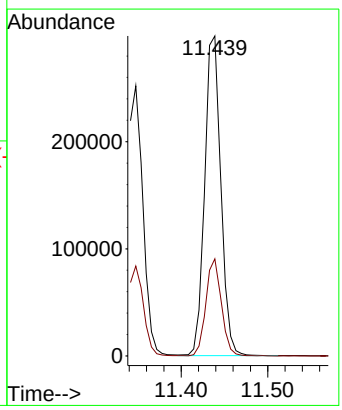


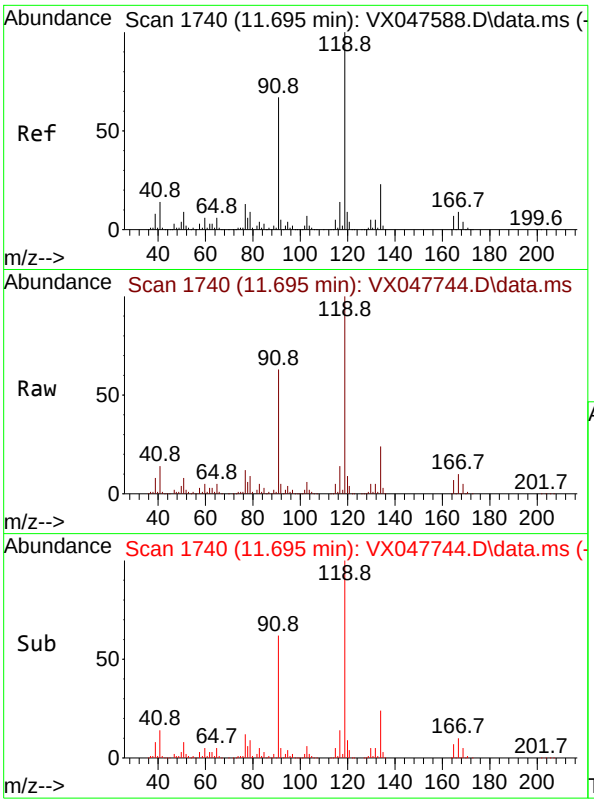




#82
4-Chlorotoluene
Concen: 49.610 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 91 Resp: 386898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.0 | 14.2 | 42.6 |



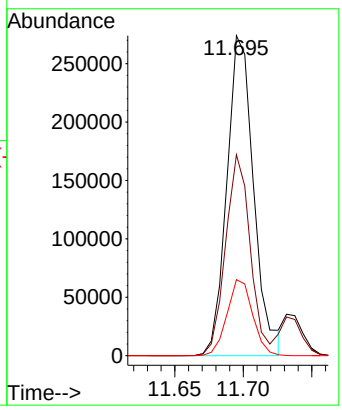


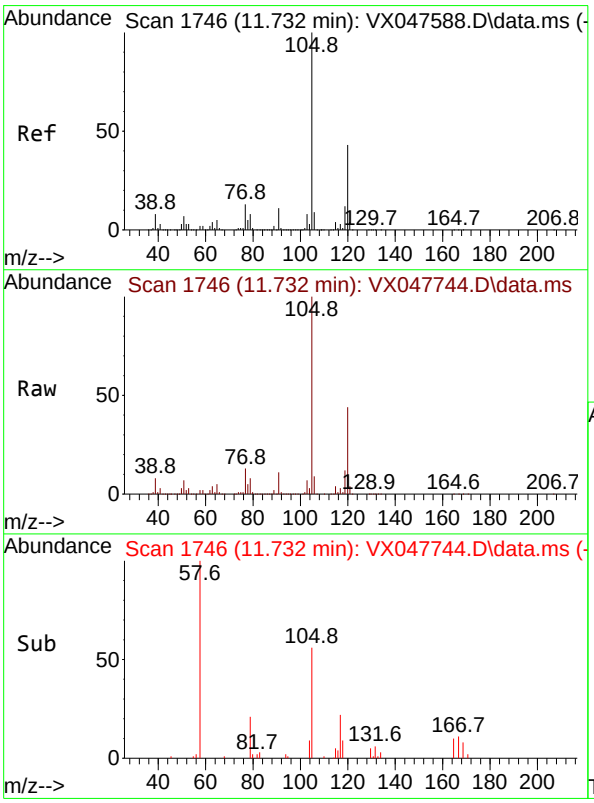

#83
tert-Butylbenzene
Concen: 48.704 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 373585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.7 | 29.6 | 88.8 |
| 134 | 22.8 | 11.0 | 33.0 |

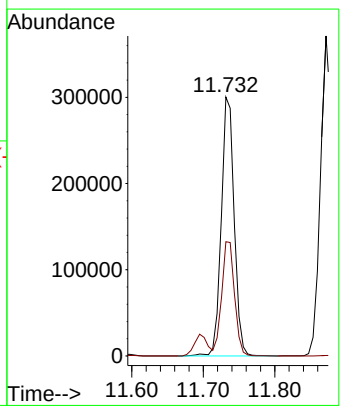


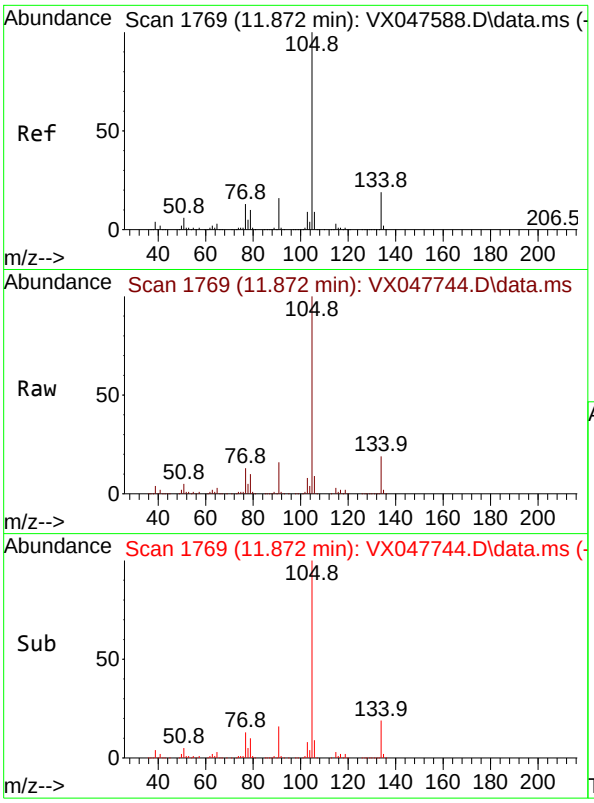




#84
1,2,4-Trimethylbenzene
Concen: 49.591 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:105 Resp: 376730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.0 | 22.1 | 66.1 |



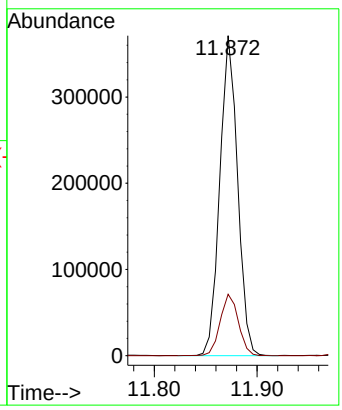


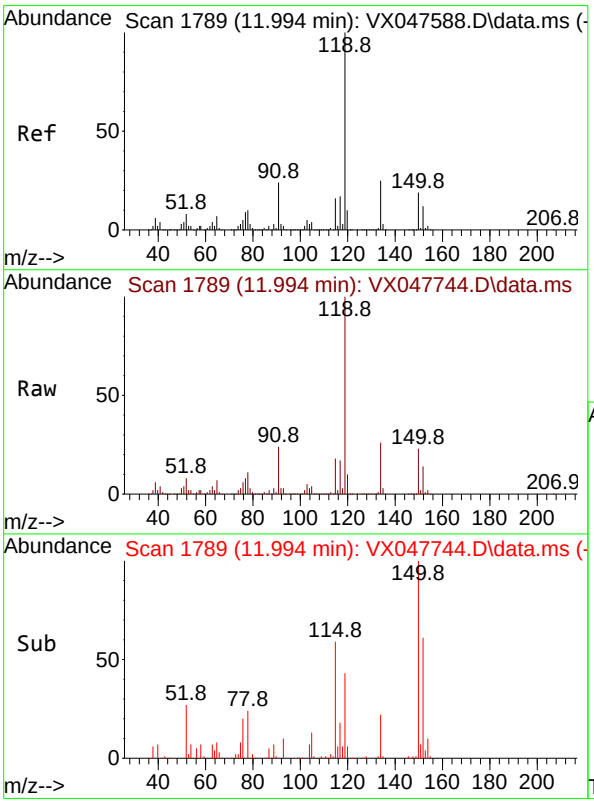

#85
sec-Butylbenzene
Concen: 48.878 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 445326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

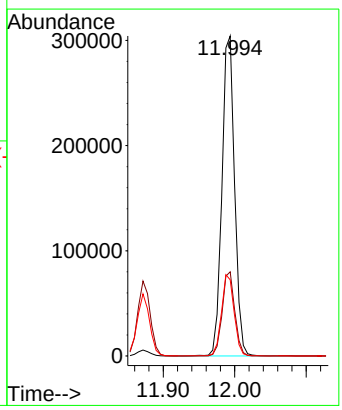


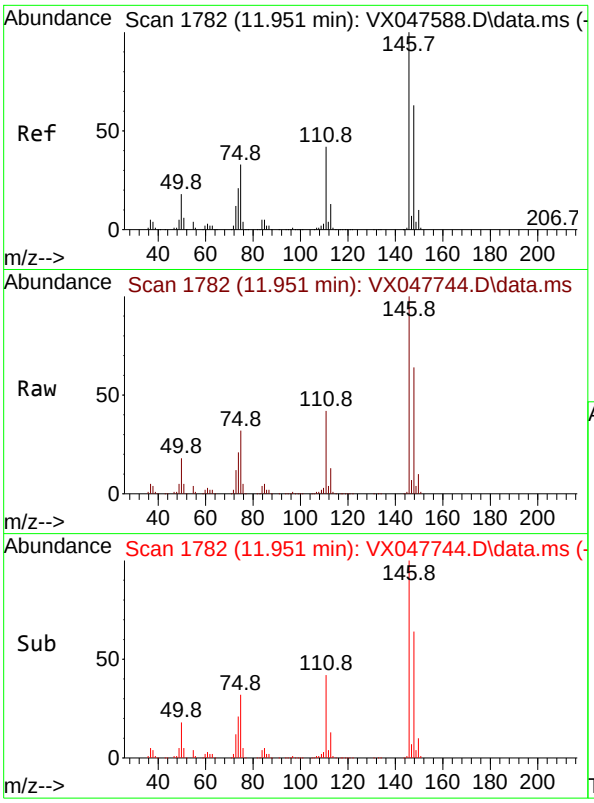




#86
p-Isopropyltoluene
Concen: 48.479 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:119 Resp: 373936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.1 | 12.6 | 37.8 |
| 91 | 25.3 | 12.6 | 37.6 |



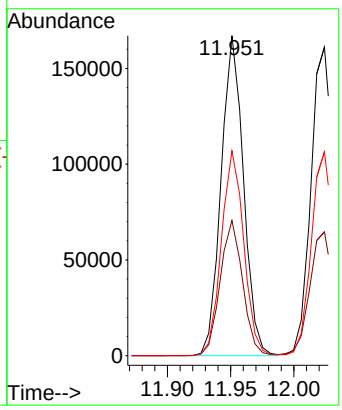


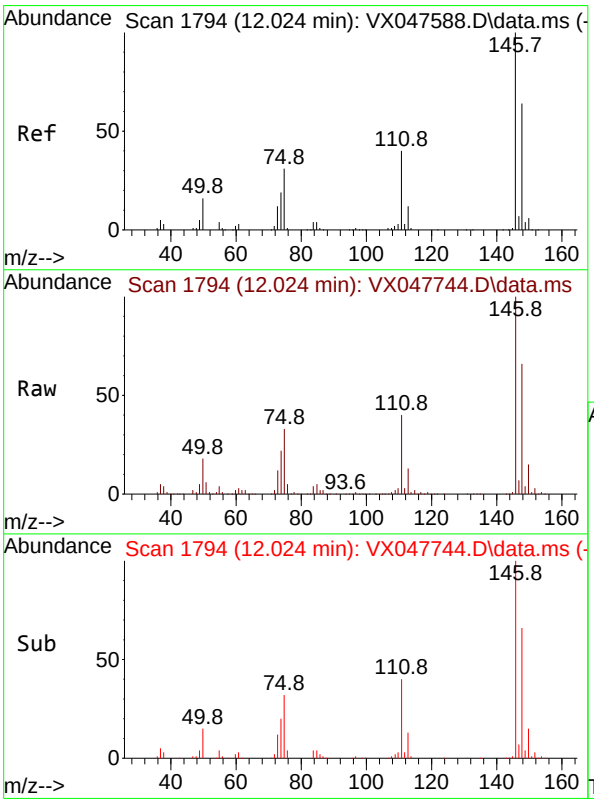

#87
1,3-Dichlorobenzene
Concen: 49.286 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 205631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 64.2 | 32.0 | 96.0 |

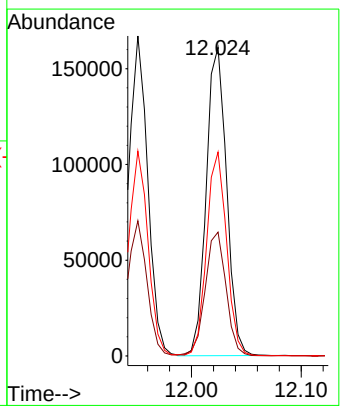


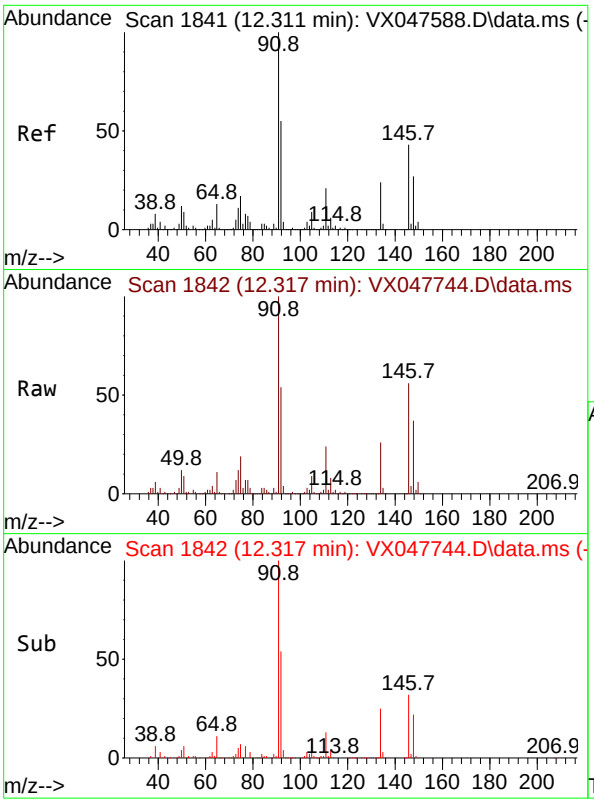




#88
1,4-Dichlorobenzene
Concen: 48.449 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:146 Resp: 207463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.2 | 20.8 | 62.4 |
| 148 | 65.1 | 31.7 | 95.1 |



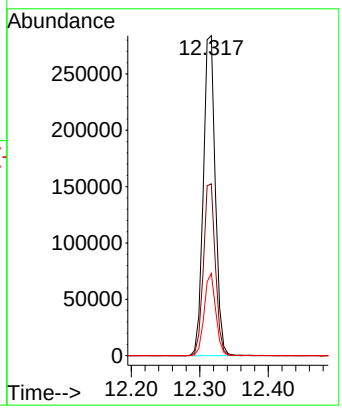


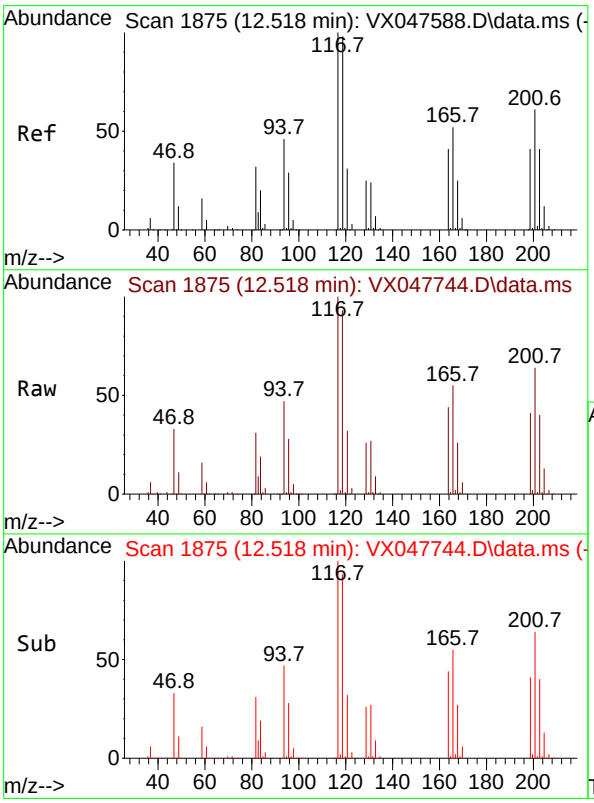

#89
n-Butylbenzene
Concen: 48.442 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 345737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.6 | 27.6 | 82.7 |
| 134 | 24.8 | 12.6 | 37.8 |

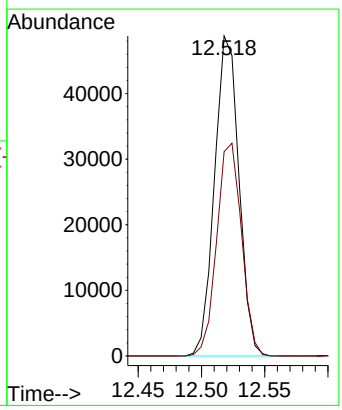


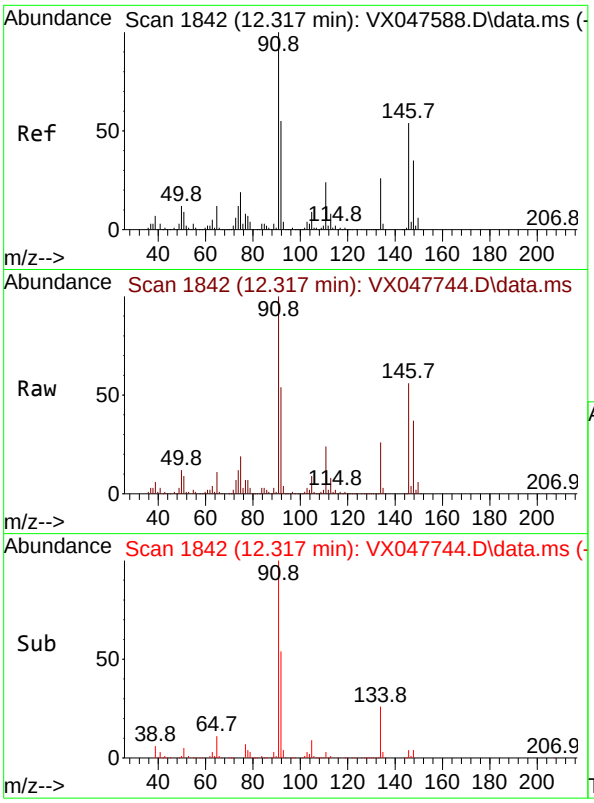




#90
Hexachloroethane
Concen: 48.232 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:117 Resp: 65317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.7 | 34.2 | 102.5 |



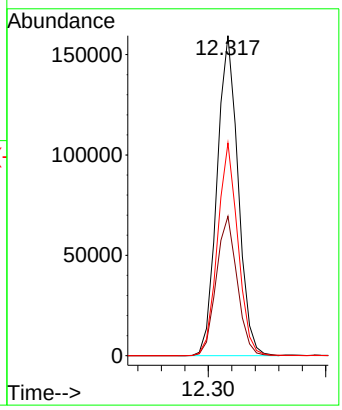


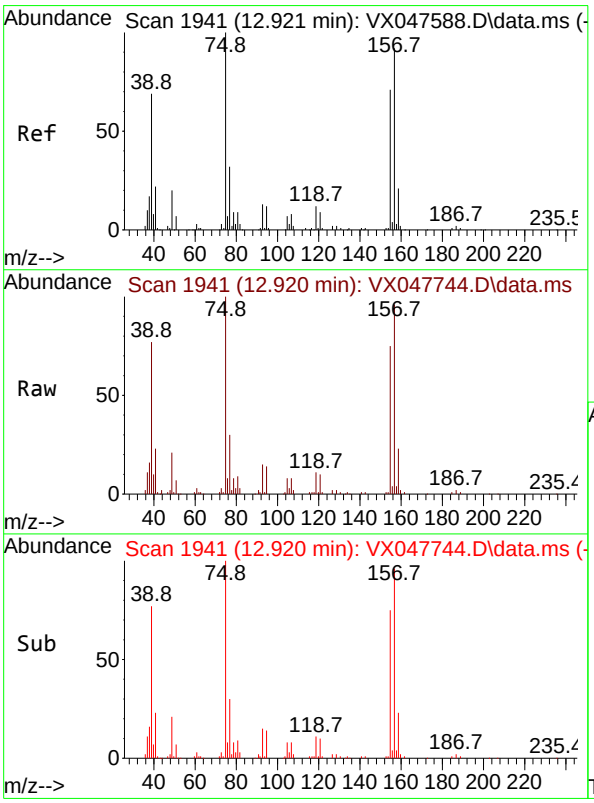

#91
1,2-Dichlorobenzene
Concen: 49.953 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 198557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.5 | 22.2 | 66.6 |
| 148 | 64.3 | 31.8 | 95.4 |

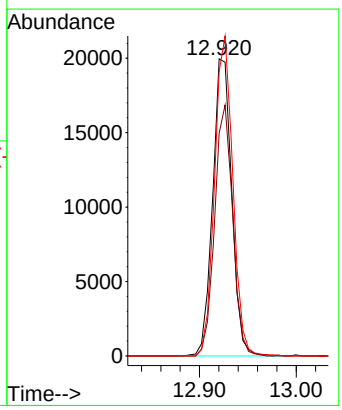


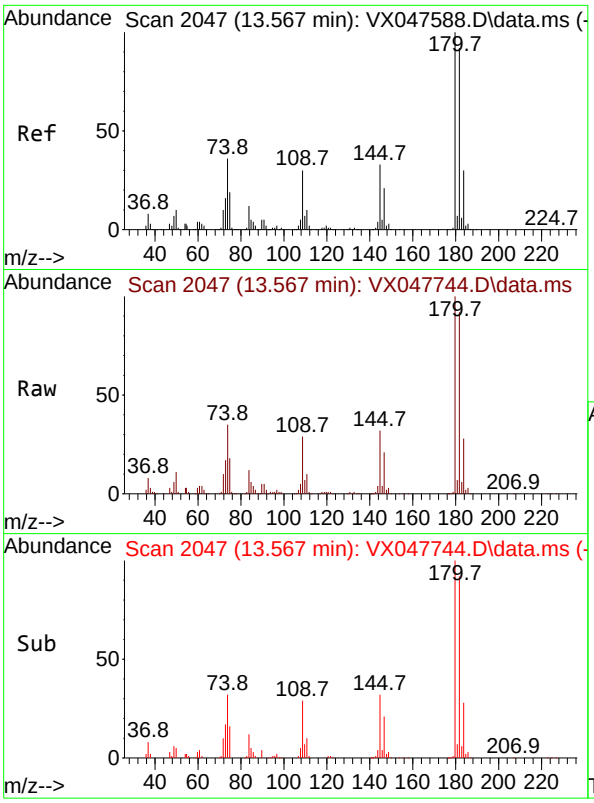




#92
1,2-Dibromo-3-Chloropropane
Concen: 48.908 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion: 75 Resp: 27323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 79.8 | 37.7 | 113.1 |
| 157 | 103.2 | 49.8 | 149.4 |



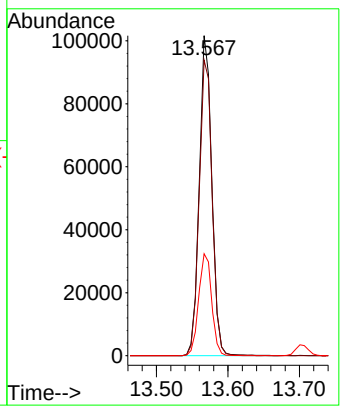


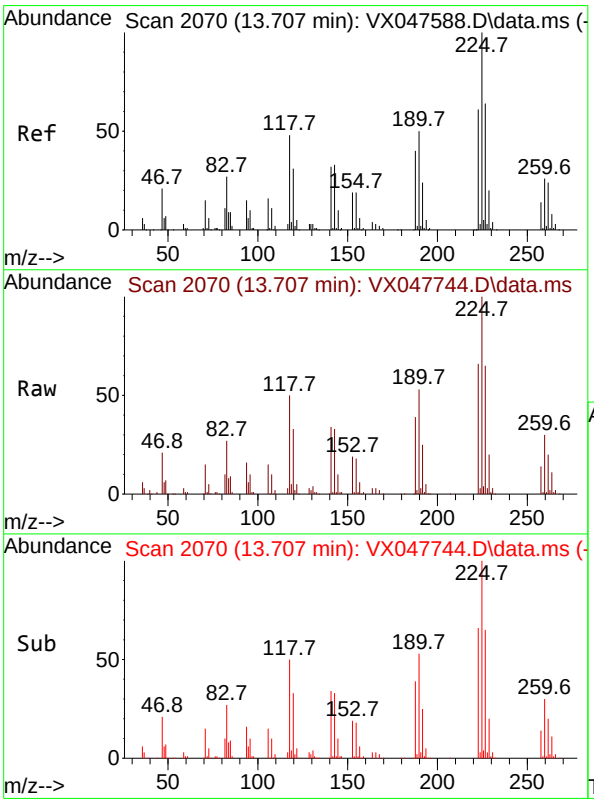

#93
1,2,4-Trichlorobenzene
Concen: 47.762 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 123384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.4 | 46.6 | 139.8 |
| 145 | 33.1 | 16.4 | 49.1 |

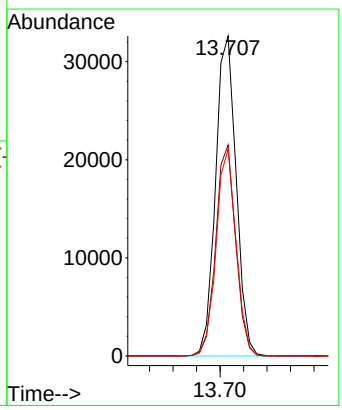


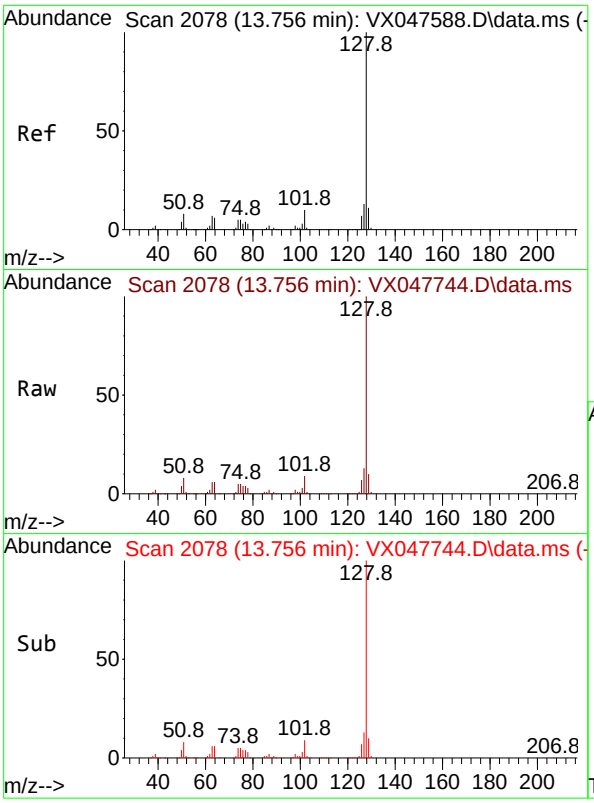




#94
Hexachlorobutadiene
Concen: 45.277 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:225 Resp: 39729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 31.7 | 95.1 |
| 227 | 62.7 | 32.0 | 96.0 |



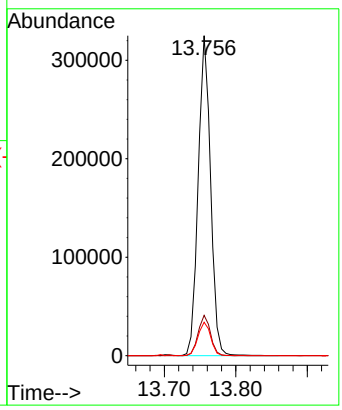


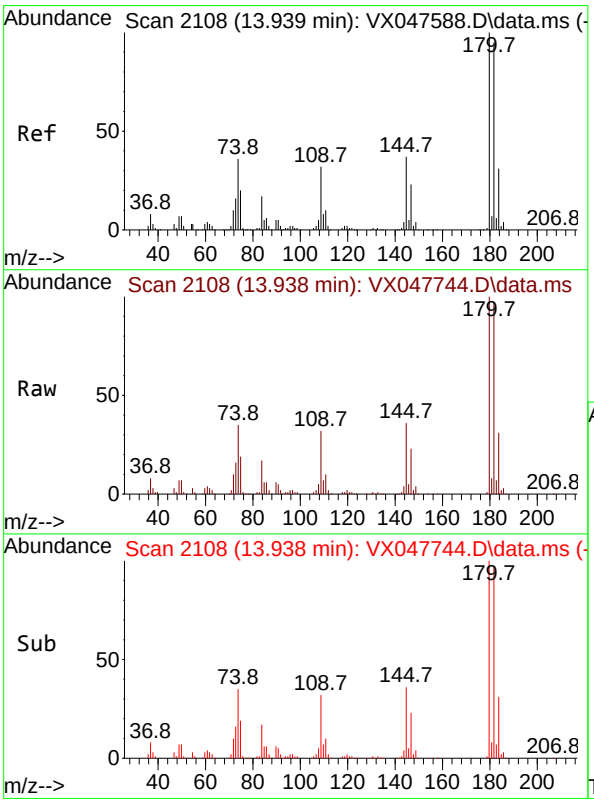

#95
Naphthalene
Concen: 49.575 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 389975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.6 | 10.2 | 15.2 |
| 129 | 10.8 | 8.8 | 13.2 |

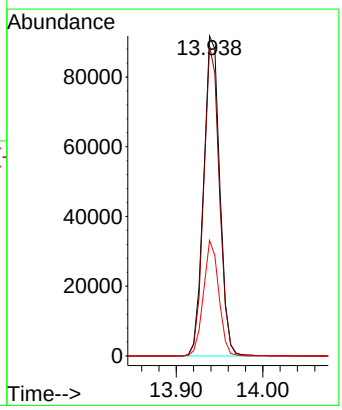



#96
1,2,3-Trichlorobenzene
Concen: 49.357 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047744.D
Acq: 23 Sep 2025 19:00

Tgt Ion:180 Resp: 118608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.2 | 47.6 | 142.8 |
| 145 | 34.3 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.532 | 168 | 166745 | 50.000 | ug/l | -0.01 |
| 34) 1,4-Difluorobenzene | 6.739 | 114 | 290663 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 252770 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 121948 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.934 | 65 | 143883 | 54.210 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 108.420% | | | |
| 35) Dibromofluoromethane | 5.361 | 113 | 115620 | 59.312 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 118.620% | | | |
| 50) Toluene-d8 | 8.629 | 98 | 385188 | 57.106 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 114.220%# | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 143339 | 55.994 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 111.980% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 112040 | 64.888 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 130600 | 57.550 | ug/l | 100 |
| 4) Vinyl Chloride | 1.380 | 62 | 131626 | 59.253 | ug/l | 99 |
| 5) Bromomethane | 1.612 | 94 | 78027 | 55.392 | ug/l | 100 |
| 6) Chloroethane | 1.691 | 64 | 81956 | 55.200 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 183574 | 55.656 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 71840 | 53.244 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 109156 | 56.598 | ug/l | 98 |
| 10) Methyl Iodide | 2.453 | 142 | 159713 | 53.098 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.941 | 59 | 74645 | 252.518 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.319 | 96 | 110500 | 55.777 | ug/l | 95 |
| 13) Acrolein | 2.233 | 56 | 76283 | 280.037 | ug/l | 97 |
| 14) Allyl chloride | 2.660 | 41 | 201882 | 49.383 | ug/l | 97 |
| 15) Acrylonitrile | 3.050 | 53 | 308364 | 281.629 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 248054 | 214.945 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 299474 | 55.218 | ug/l | 98 |
| 18) Methyl Acetate | 2.697 | 43 | 144662 | 56.326 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.105 | 73 | 375666 | 51.946 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 128569 | 52.632 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96 | 115848 | 54.315 | ug/l | 98 |
| 22) Diisopropyl ether | 3.745 | 45 | 417196 | 52.658 | ug/l | 88 |
| 23) Vinyl Acetate | 3.709 | 43 | 1676763 | 264.433 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.599 | 63 | 224981 | 53.426 | ug/l | 100 |
| 25) 2-Butanone | 4.532 | 43 | 365129 | 253.647 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.459 | 77 | 121706 | 34.769 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 135871 | 52.016 | ug/l | 95 |
| 28) Bromochloromethane | 4.879 | 49 | 104808 | 57.010 | ug/l | 98 |
| 29) Tetrahydrofuran | 4.983 | 42 | 236130 | 272.674 | ug/l | 99 |
| 30) Chloroform | 5.068 | 83 | 221493 | 52.050 | ug/l | 97 |
| 31) Cyclohexane | 5.452 | 56 | 179654 | 51.224 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.361 | 97 | 187296 | 51.890 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.672 | 75 | 146503 | 51.432 | ug/l | 99 |
| 37) Ethyl Acetate | 4.690 | 43 | 157558 | 51.660 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.660 | 117 | 160891 | 51.986 | ug/l | 97 |
| 39) Methylcyclohexane | 7.361 | 83 | 167414 | 51.777 | ug/l | 99 |
| 40) Benzene | 6.019 | 78 | 460455 | 53.223 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.891 | 41 | 87766 | 55.742 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.068 | 62 | 165276 | 50.209 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.318 | 43 | 257745 | 51.528 | ug/l | | 99 |
| 44) Trichloroethene | 7.104 | 130 | 112394 | 53.736 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.409 | 63 | 116449 | 52.565 | ug/l | | 100 |
| 46) Dibromomethane | 7.562 | 93 | 84502 | 52.418 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.799 | 83 | 172703 | 51.915 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.671 | 41 | 129497 | 51.974 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.641 | 88 | 32904 | 1306.764 | ug/l | | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 749272 | 270.171 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 276160 | 51.811 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.958 | 75 | 163001 | 48.037 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.348 | 75 | 178505 | 49.218 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 107258 | 52.187 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.098 | 69 | 169567 | 52.534 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.287 | 76 | 186062 | 52.699 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 436211 | 280.568 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 518114 | 260.122 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.500 | 129 | 125404 | 52.954 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 111139 | 53.090 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.257 | 164 | 87453 | 53.073 | ug/l | | 97 |
| 65) Chlorobenzene | 10.061 | 112 | 297945 | 51.885 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 104386 | 52.679 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.177 | 91 | 516414 | 52.120 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 390979 | 106.017 | ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 187203 | 52.481 | ug/l | | 99 |
| 70) Styrene | 10.634 | 104 | 330686 | 52.908 | ug/l | | 98 |
| 71) Bromoform | 10.781 | 173 | 80138 | 54.161 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.945 | 105 | 481526 | 51.938 | ug/l | | 100 |
| 74) N-amyl acetate | 10.823 | 43 | 221168 | 52.312 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 149789 | 53.400 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 160130 | 64.854 | ug/l | | 92 |
| 77) Bromobenzene | 11.183 | 156 | 116706 | 51.110 | ug/l | | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 563194 | 51.387 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 341925 | 50.938 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 385950 | 50.669 | ug/l | | 97 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 42739 | 44.142 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 398881 | 50.313 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 397171 | 50.936 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 394508 | 51.085 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.872 | 105 | 471850 | 50.945 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 11.988 | 119 | 397440 | 50.687 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 214686 | 50.618 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 218086 | 50.100 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 359706 | 49.578 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 70601 | 51.284 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 208091 | 51.499 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 28554 | 50.279 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 129844 | 49.444 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 42478 | 47.621 | ug/l | | 99 |
| 95) Naphthalene | 13.756 | 128 | 410203 | 51.297 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 124328 | 50.895 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

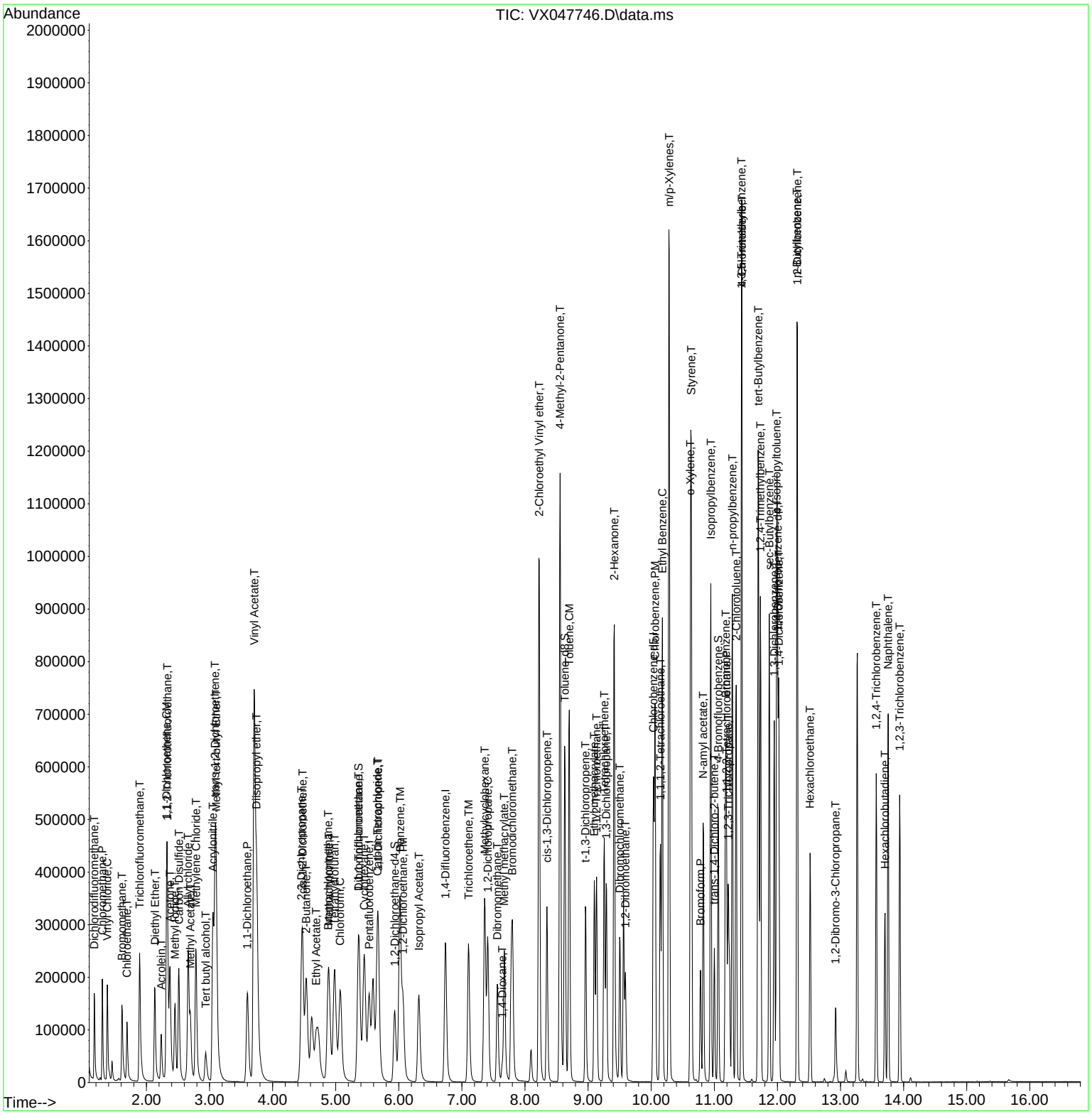
(#) = qualifier out of range (m) = manual integration (+) = signals summed

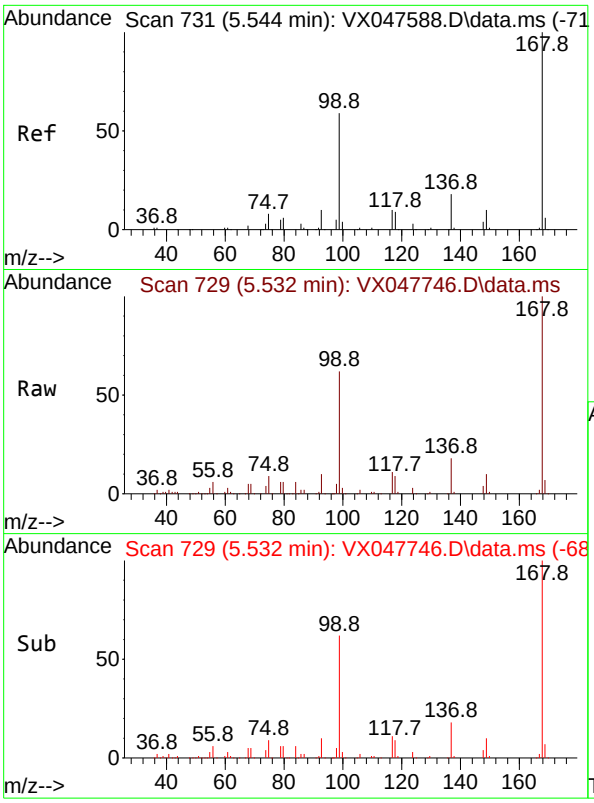
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047746.D
Acq On : 24 Sep 2025 02:08
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Quant Time: Sep 24 03:43:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



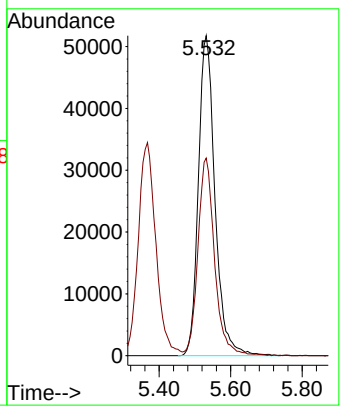


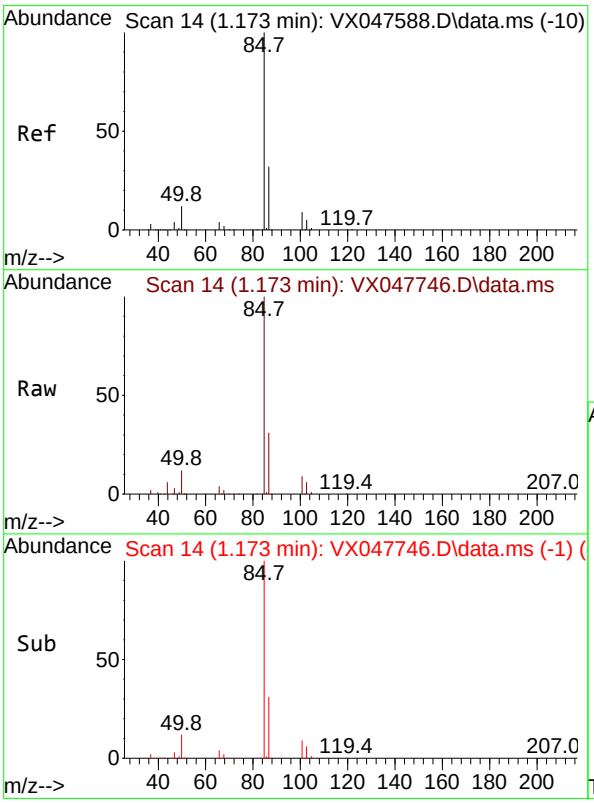

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:168 Resp: 166745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.8 | 73.2 |

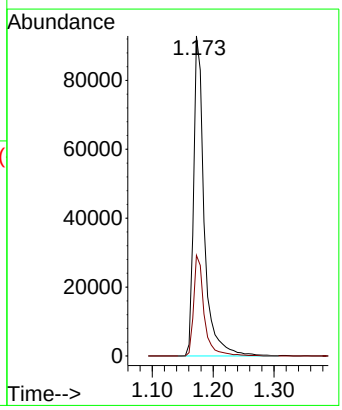


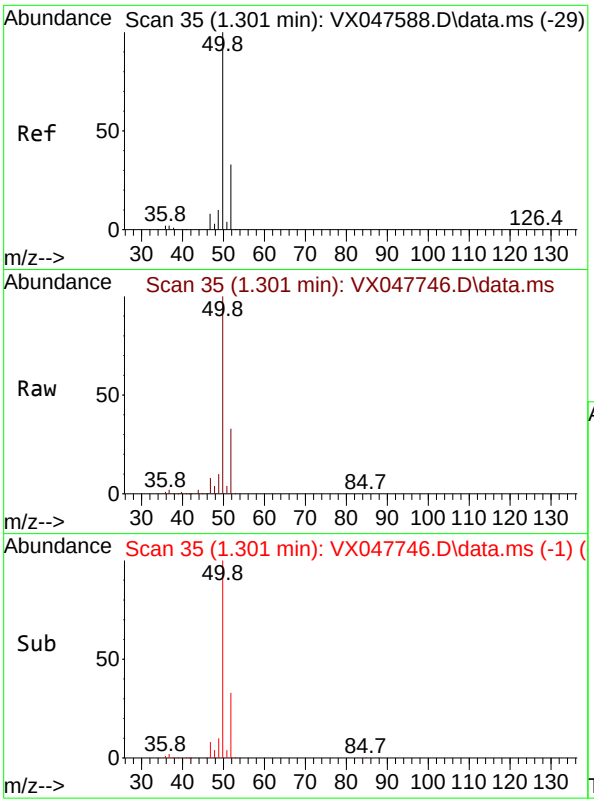




#2
Dichlorodifluoromethane
Concen: 64.888 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 85 Resp: 112040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.4 | 15.8 | 47.3 |



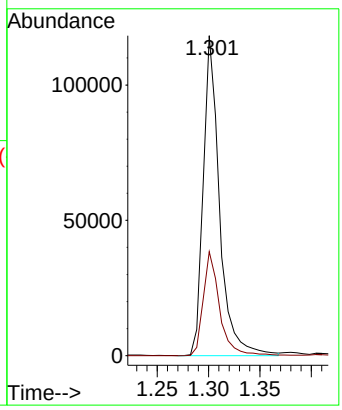


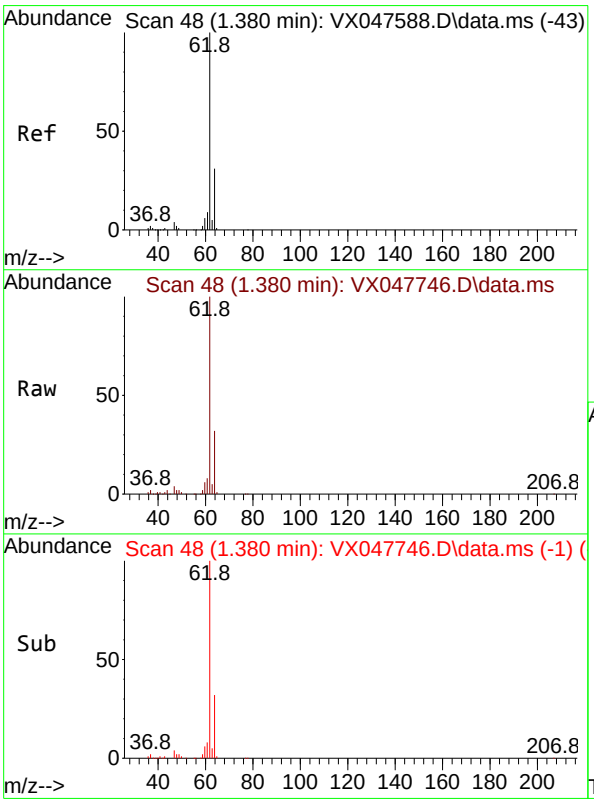

#3
Chloromethane
Concen: 57.550 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 50 Resp: 130600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.5 | 26.1 | 39.1 |

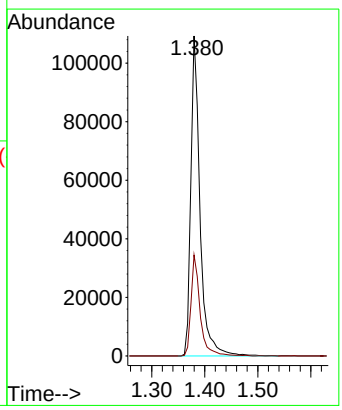


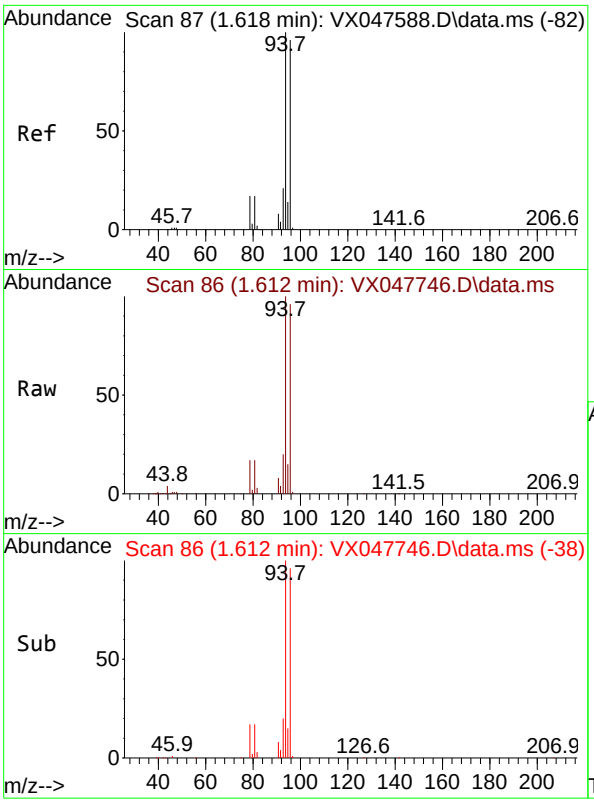




#4
Vinyl Chloride
Concen: 59.253 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 62 Resp: 131626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 24.9 | 37.3 |



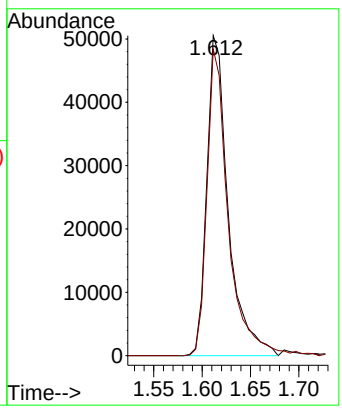


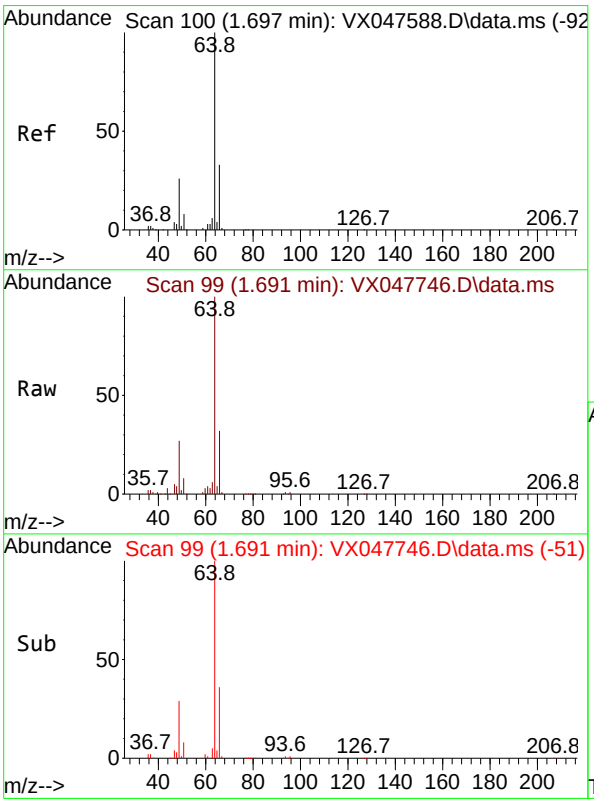

#5
Bromomethane
Concen: 55.392 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 94 Resp: 78027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 95.9 | 76.6 | 115.0 |

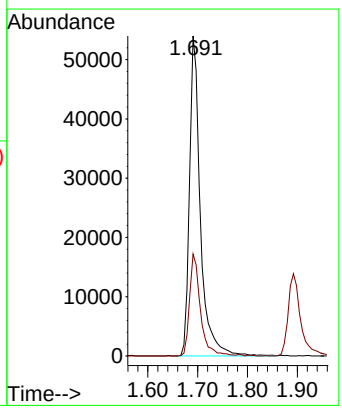


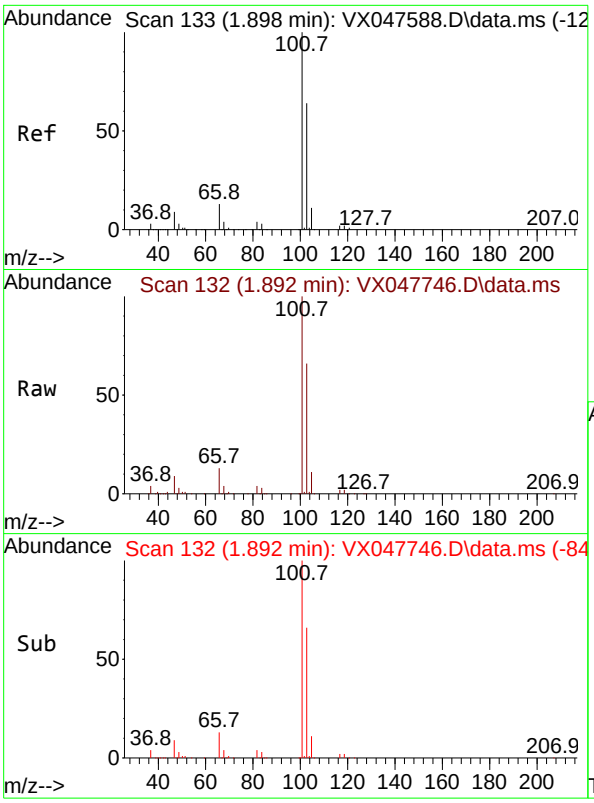




#6
Chloroethane
Concen: 55.200 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 64 Resp: 81956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.9 | 26.1 | 39.1 |



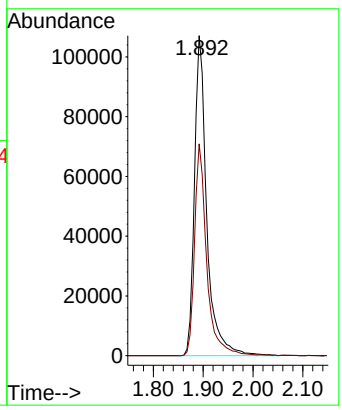


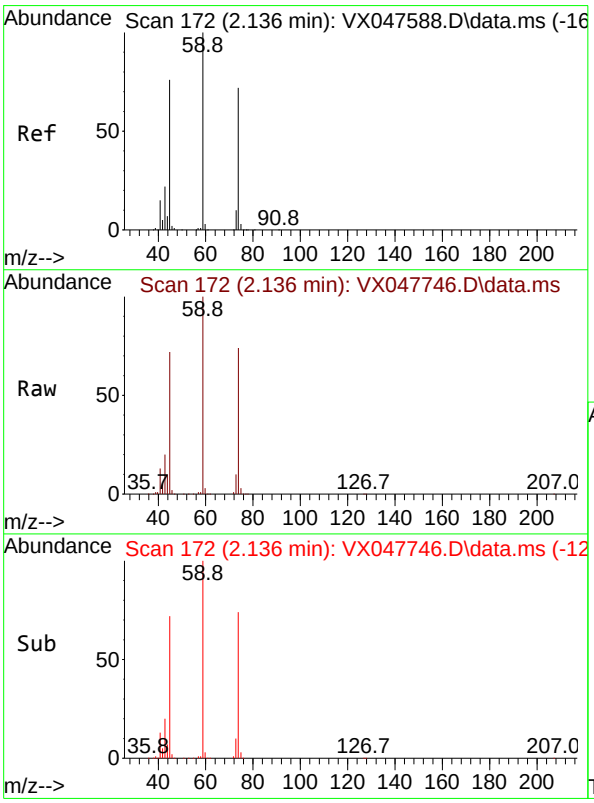

#7
Trichlorofluoromethane
Concen: 55.656 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 183574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.2 | 51.4 | 77.2 |

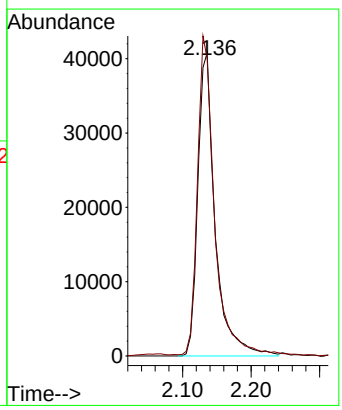


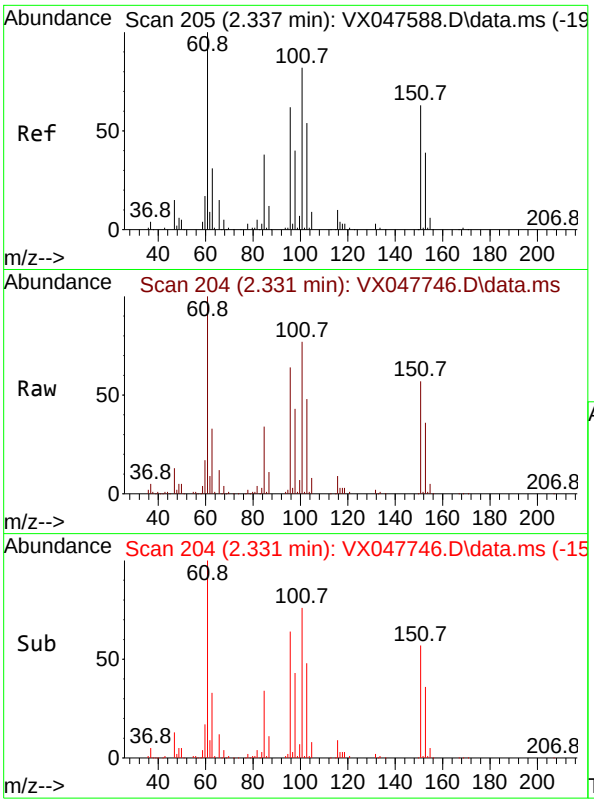




#8
Diethyl Ether
Concen: 53.244 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 74 Resp: 71840

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 105.8 | 52.3 | 156.8 |



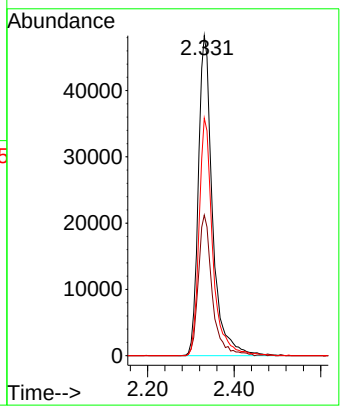


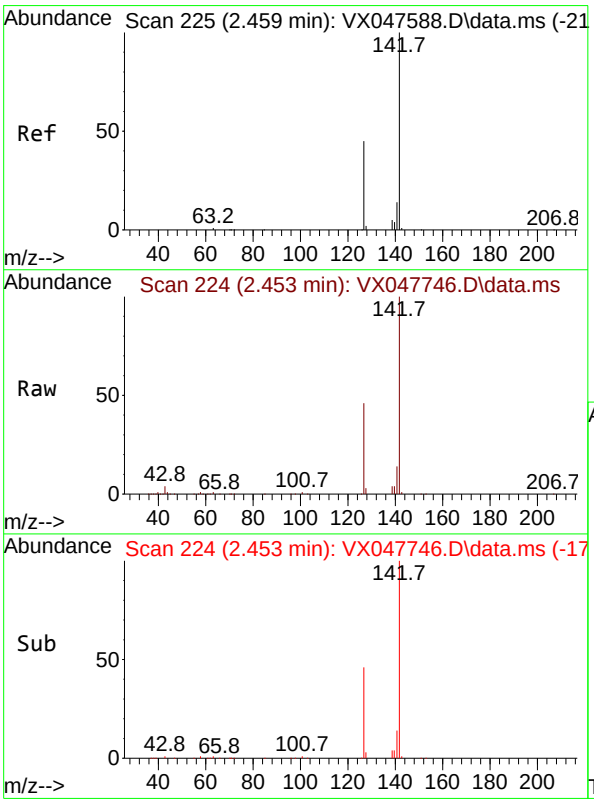

#9
1,1,2-Trichlorotrifluoroethane
Concen: 56.598 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:101 Resp: 109156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.4 | 35.5 | 53.3 |
| 151 | 72.1 | 59.4 | 89.0 |

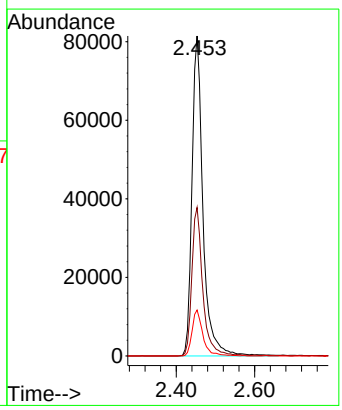


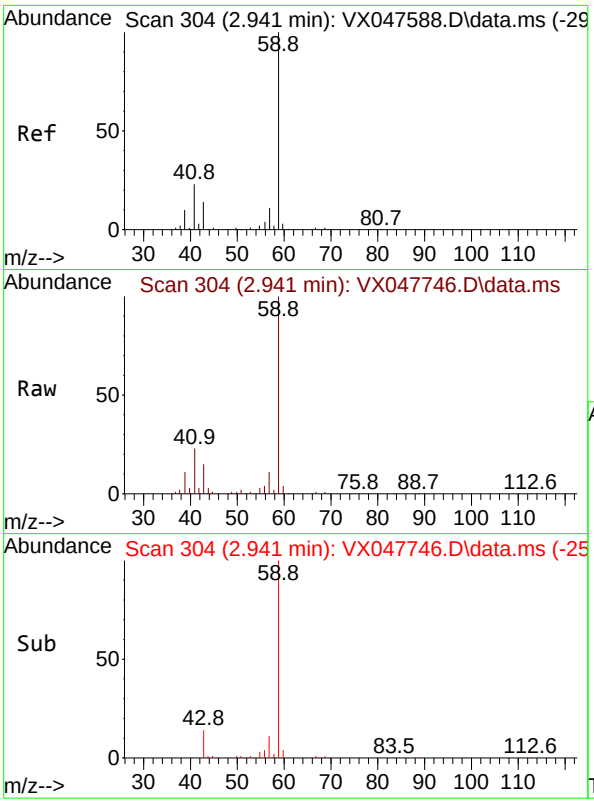




#10
Methyl Iodide
Concen: 53.098 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:142 Resp: 159713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.2 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |



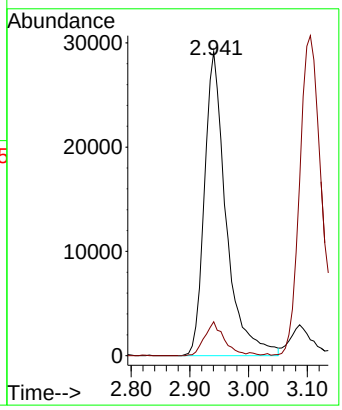


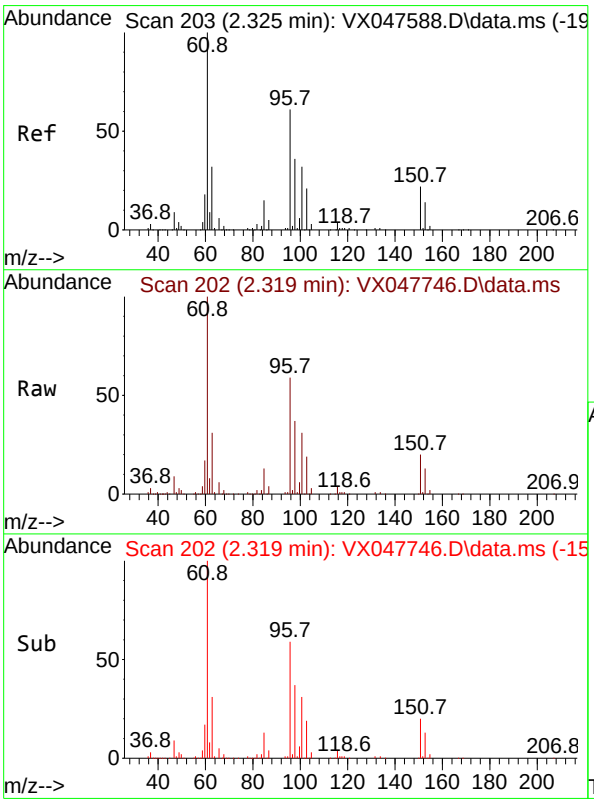

#11
Tert butyl alcohol
Concen: 252.518 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 59 Resp: 74645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.0 | 8.3 | 12.5 |

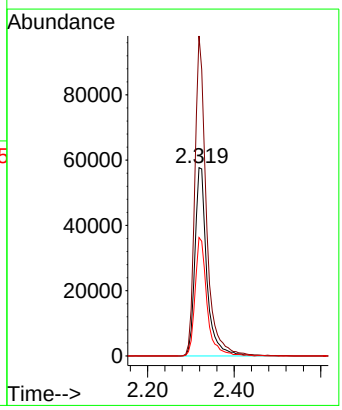


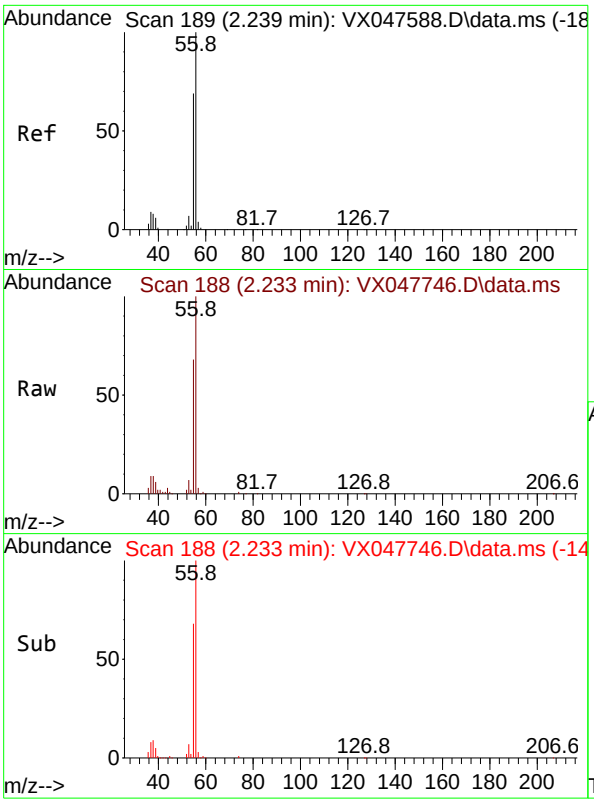




#12
1,1-Dichloroethene
Concen: 55.777 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 96 Resp: 110500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 169.9 | 131.0 | 196.6 |
| 98 | 62.9 | 47.7 | 71.5 |



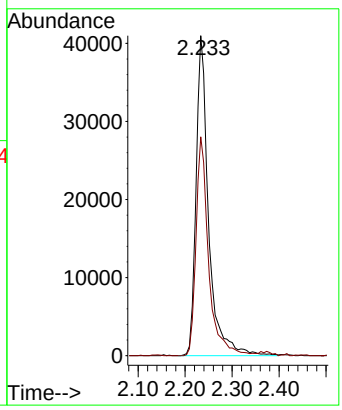


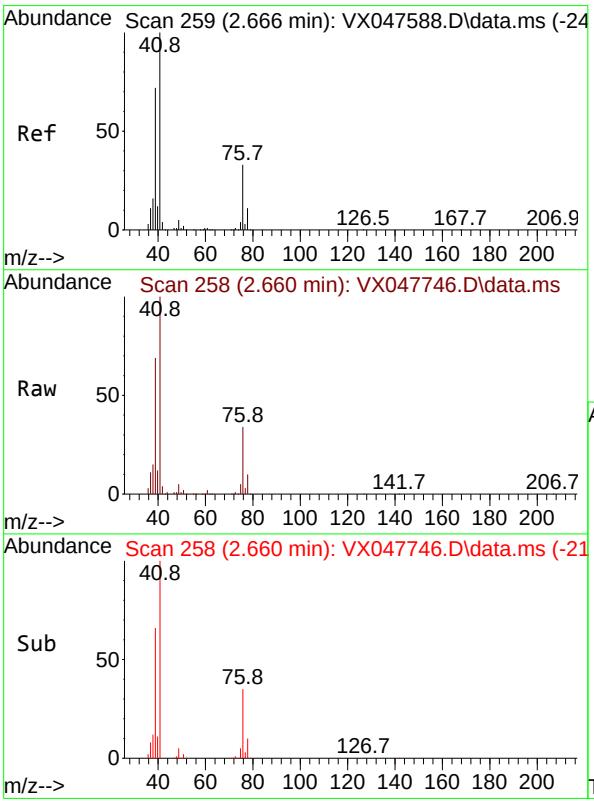

#13
Acrolein
Concen: 280.037 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 76283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 68.8 | 57.2 | 85.8 |

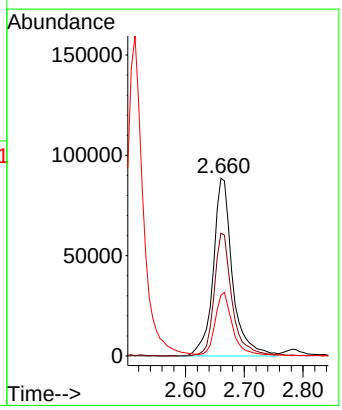


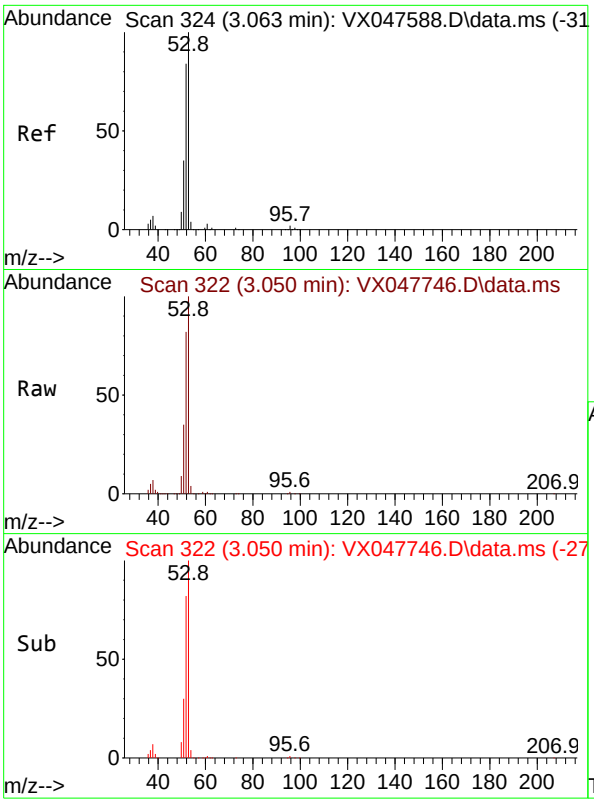




#14
Allyl chloride
Concen: 49.383 ug/l
RT: 2.660 min Scan# 258
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 41 Resp: 201882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 64.8 | 54.7 | 82.1 |
| 76 | 32.5 | 25.7 | 38.5 |



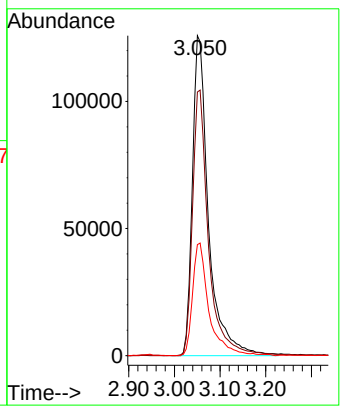


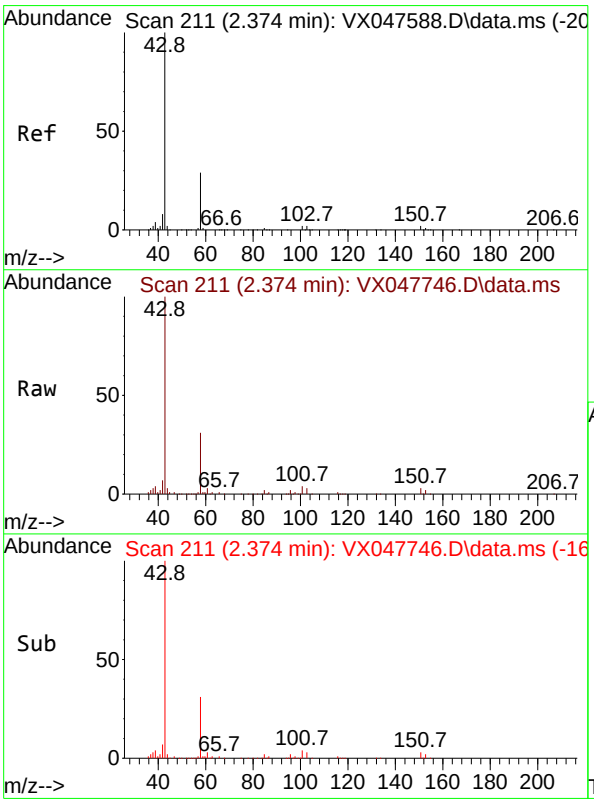

#15
Acrylonitrile
Concen: 281.629 ug/l
RT: 3.050 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 53 Resp: 308364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.6 | 66.4 | 99.6 |
| 51 | 36.0 | 29.5 | 44.3 |

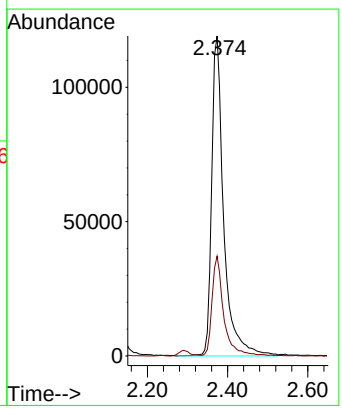


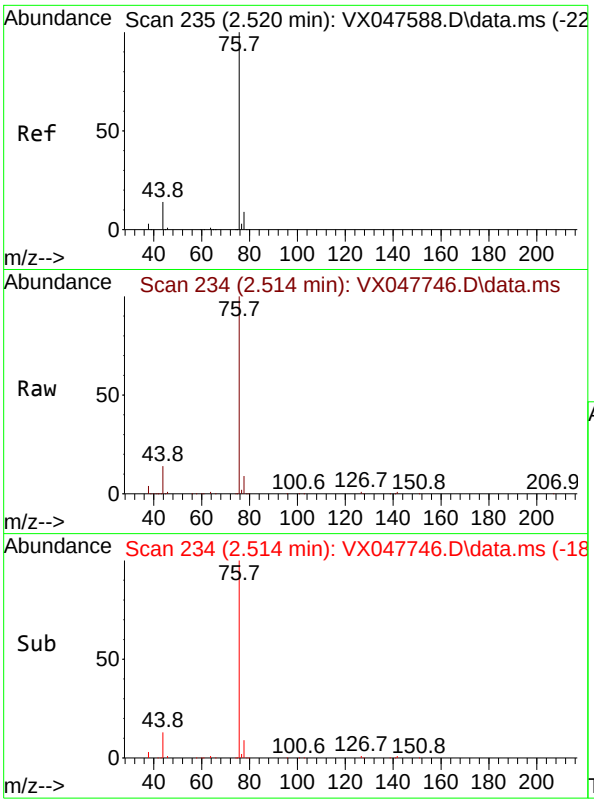




#16
Acetone
Concen: 214.945 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 248054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.1 | 23.4 | 35.0 |



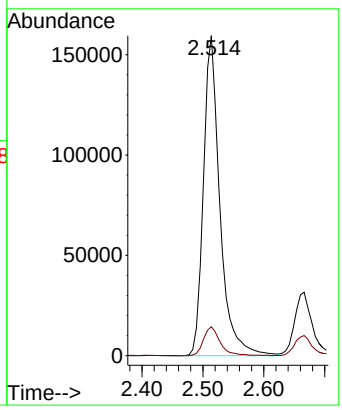


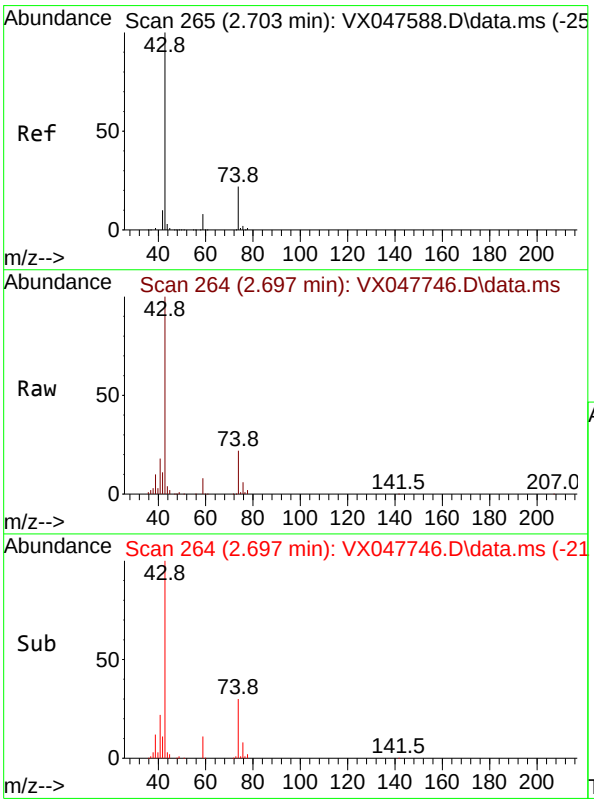

#17
Carbon Disulfide
Concen: 55.218 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 299474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |

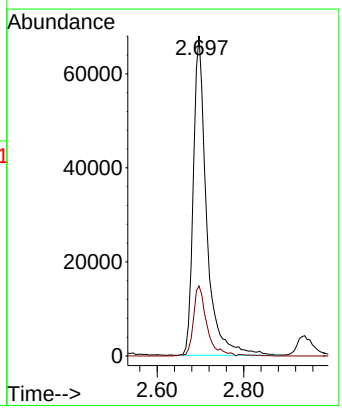


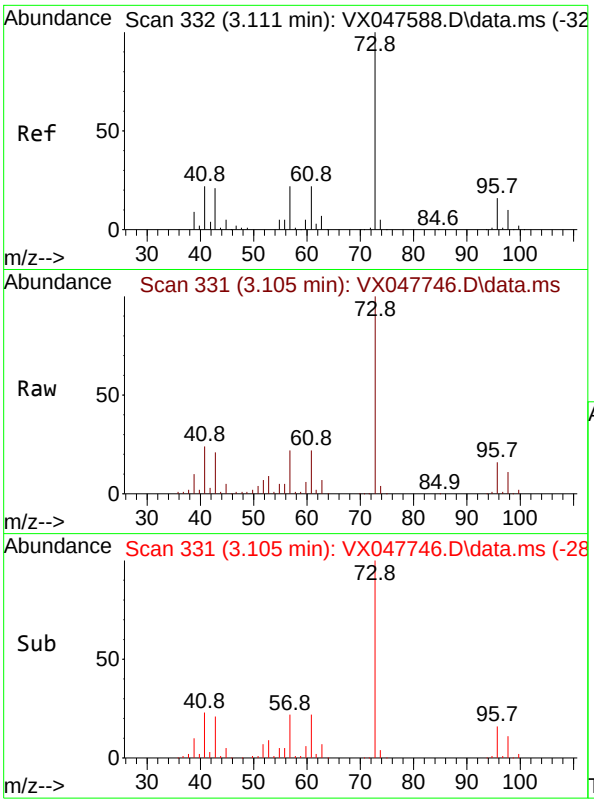




#18
Methyl Acetate
Concen: 56.326 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 144662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.0 | 17.4 | 26.2 |



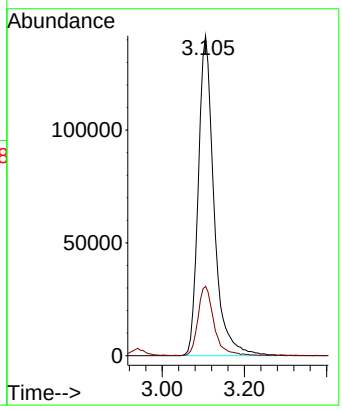


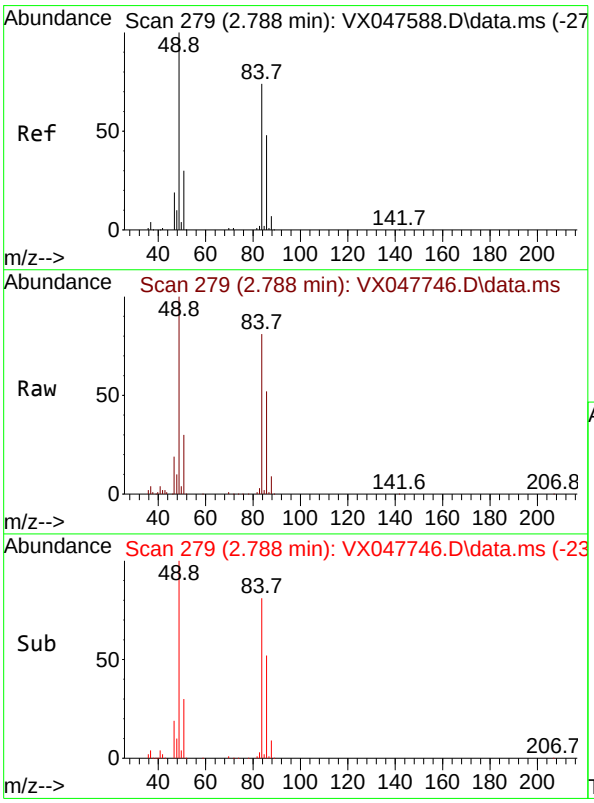

#19
Methyl tert-butyl Ether
Concen: 51.946 ug/l
RT: 3.105 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 73 Resp: 375666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 21.6 | 17.4 | 26.2 |

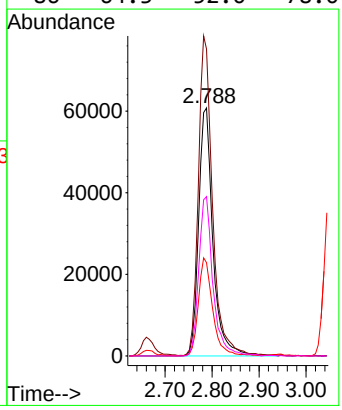


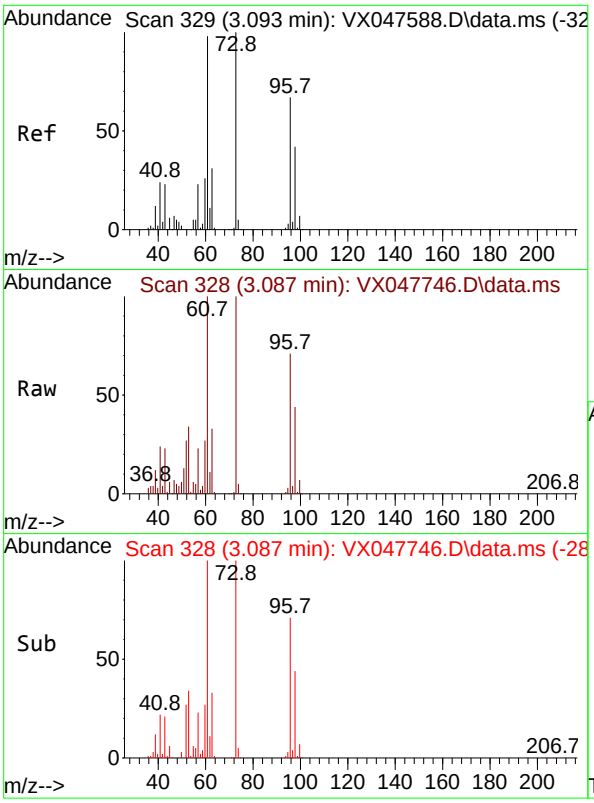




#20
Methylene Chloride
Concen: 52.632 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 84 Resp: 128569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 123.6 | 108.6 | 162.8 |
| 51 | 37.5 | 32.6 | 48.8 |
| 86 | 64.3 | 52.0 | 78.0 |



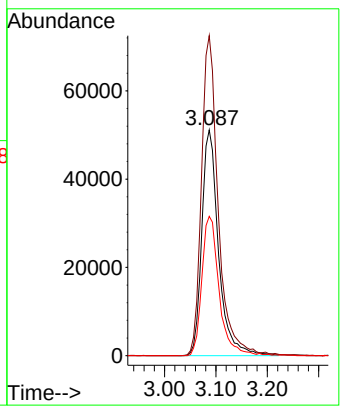


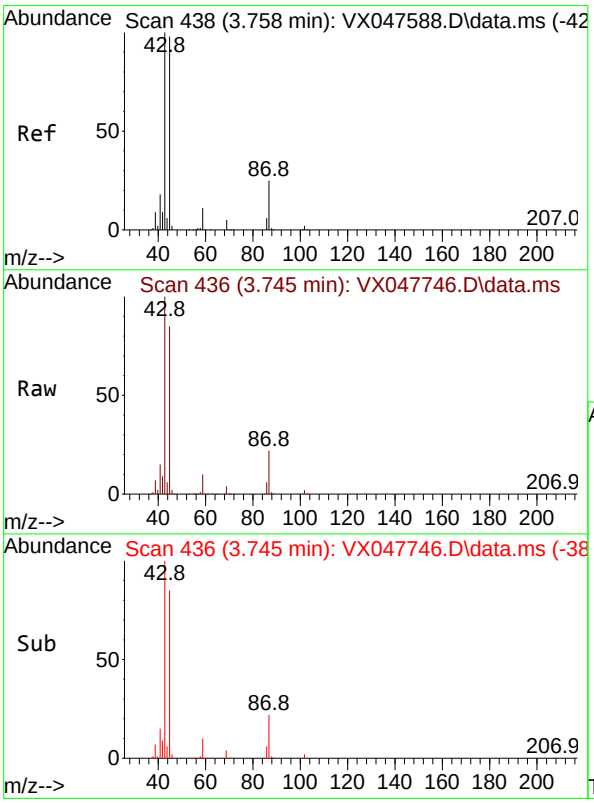

#21
trans-1,2-Dichloroethene
Concen: 54.315 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 115848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.7 | 116.2 | 174.2 |
| 98 | 61.7 | 49.3 | 73.9 |

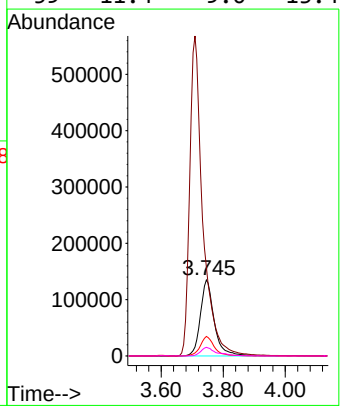


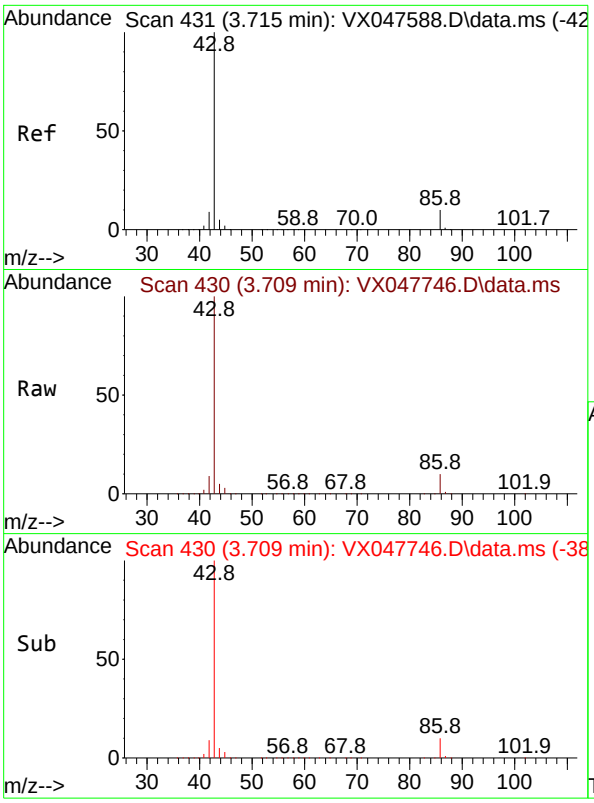




#22
Diisopropyl ether
Concen: 52.658 ug/l
RT: 3.745 min Scan# 436
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 45 Resp: 417196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 116.9 | 81.0 | 121.4 |
| 87 | 25.7 | 20.3 | 30.5 |
| 59 | 11.4 | 9.0 | 13.4 |



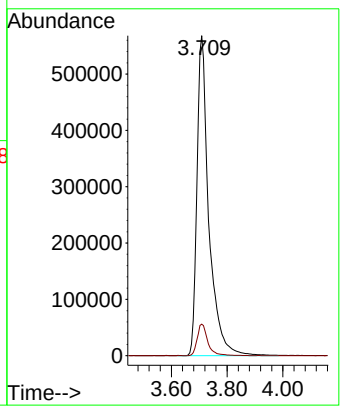


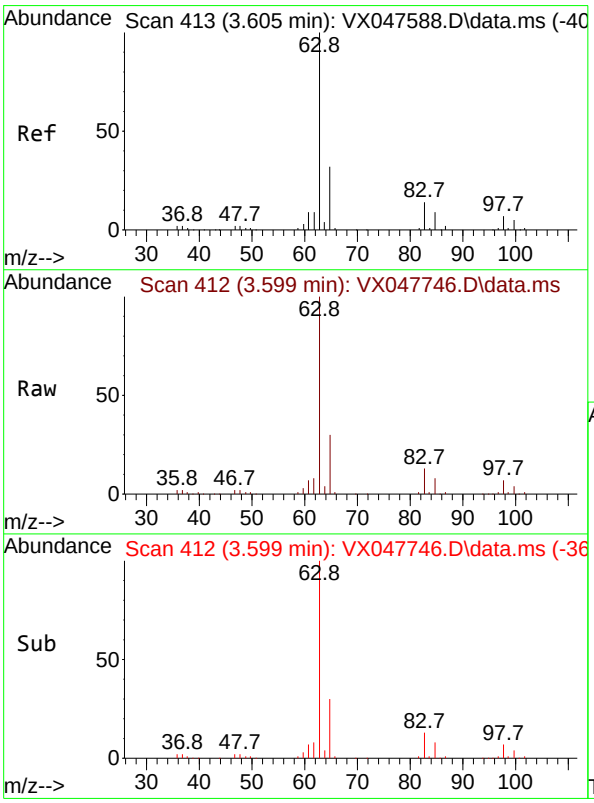

#23
Vinyl Acetate
Concen: 264.433 ug/l
RT: 3.709 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 1676763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |

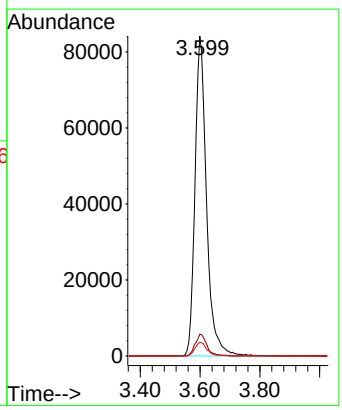


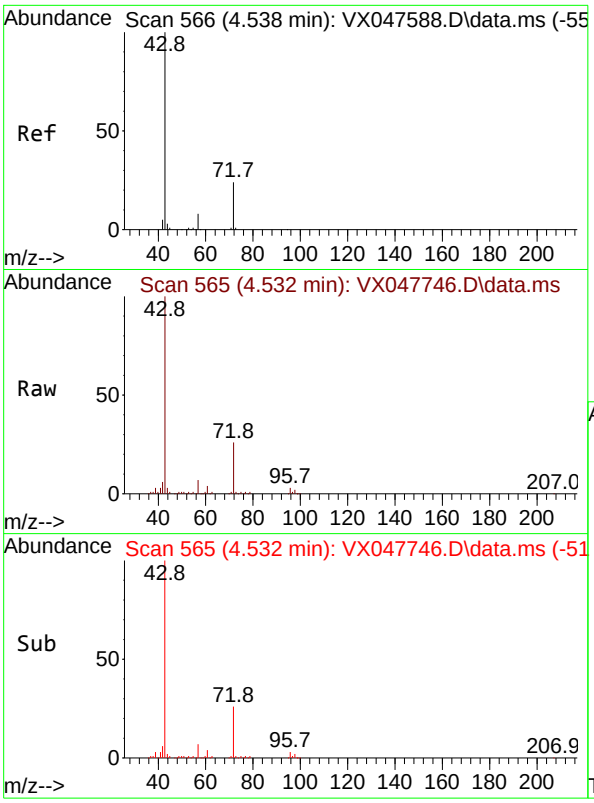




#24
1,1-Dichloroethane
Concen: 53.426 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 63 Resp: 224981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.4 | 3.8 | 11.2 |
| 100 | 4.4 | 2.3 | 6.9 |



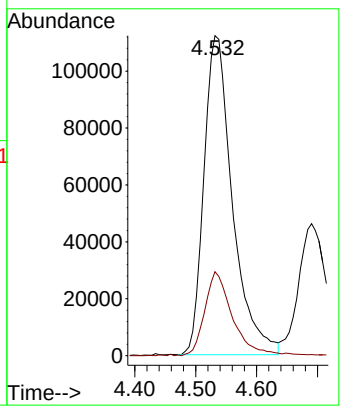


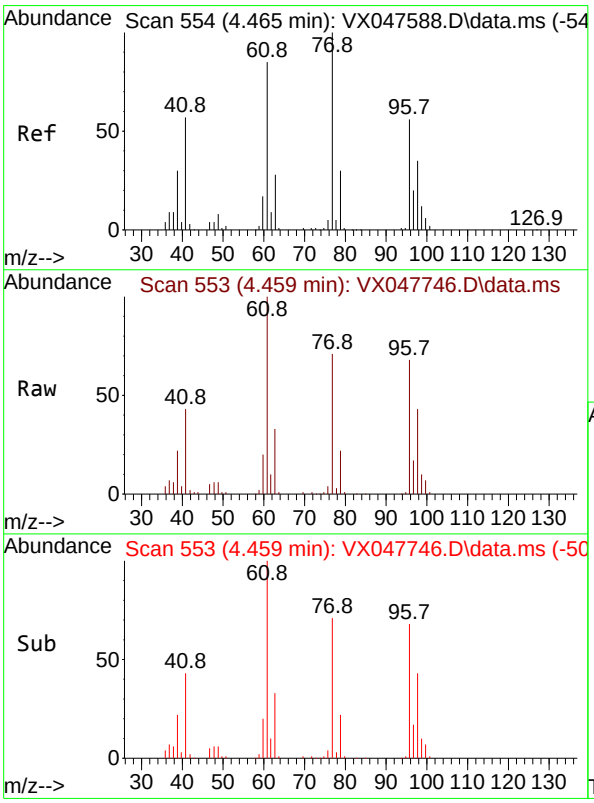

#25
2-Butanone
Concen: 253.647 ug/l
RT: 4.532 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 365129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 26.1 | 20.1 | 30.1 |

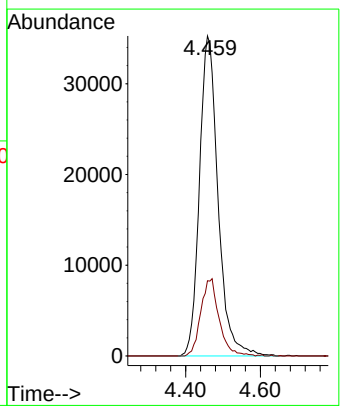


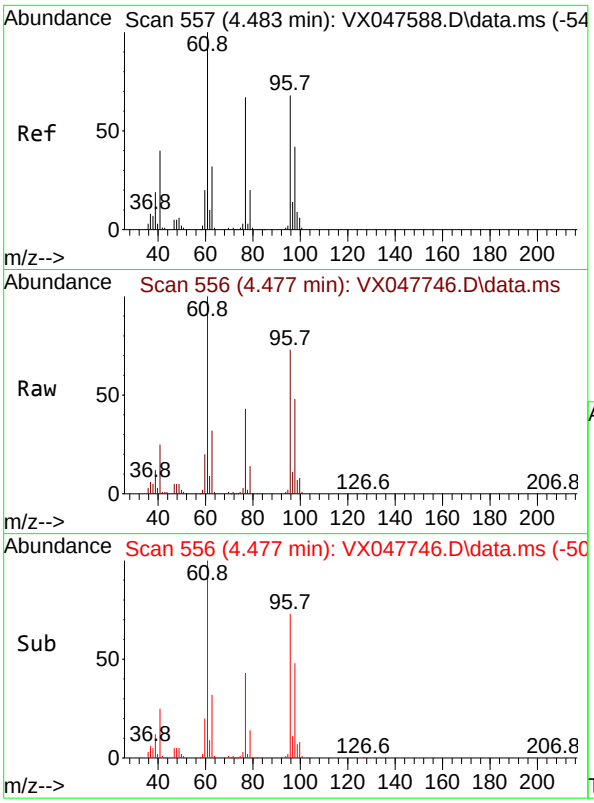




#26
2,2-Dichloropropane
Concen: 34.769 ug/l
RT: 4.459 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 77 Resp: 121706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.7 | 10.9 | 32.7 |



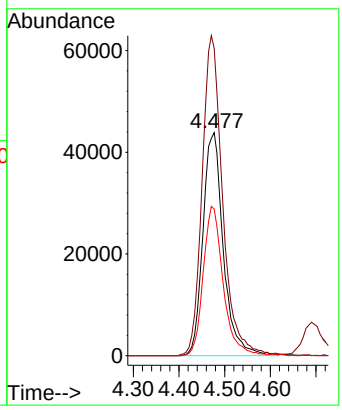


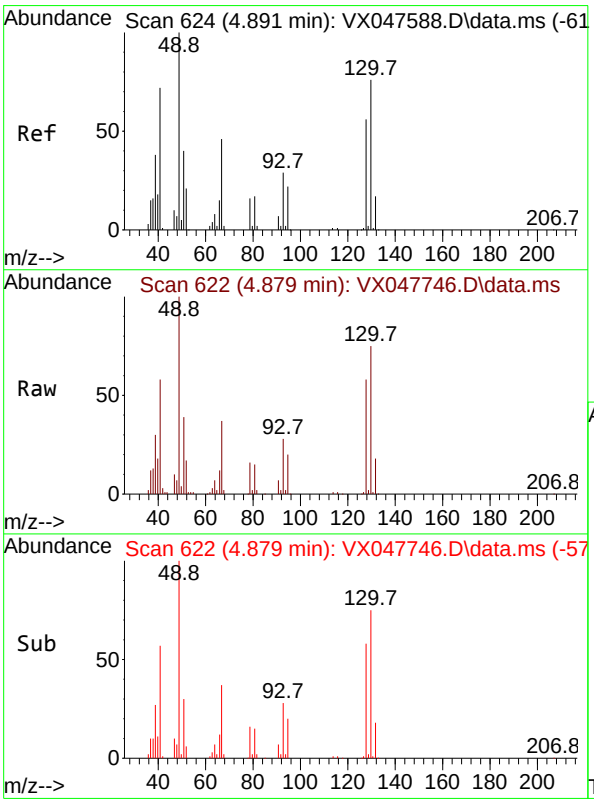

#27
cis-1,2-Dichloroethene
Concen: 52.016 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 96 Resp: 135871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 144.0 | 0.0 | 303.2 |
| 98 | 65.3 | 0.0 | 127.8 |

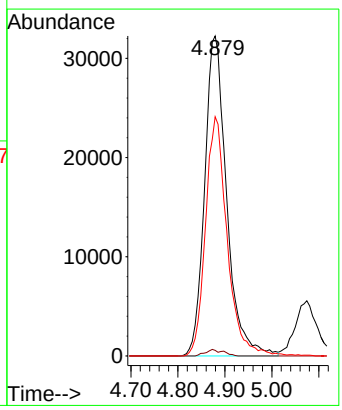


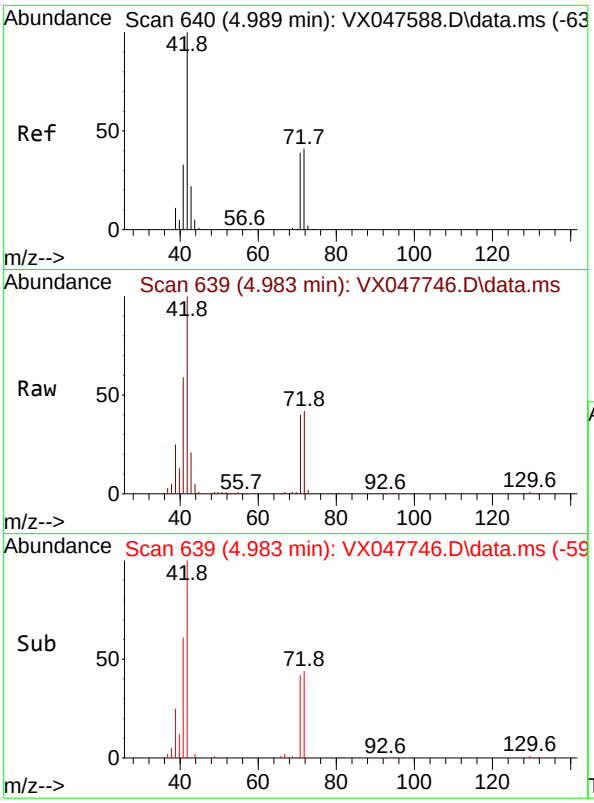




#28
Bromochloromethane
Concen: 57.010 ug/l
RT: 4.879 min Scan# 622
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 49 Resp: 104808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.6 | 0.0 | 3.2 |
| 130 | 73.8 | 57.8 | 86.8 |



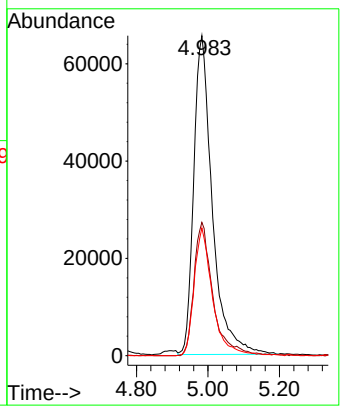


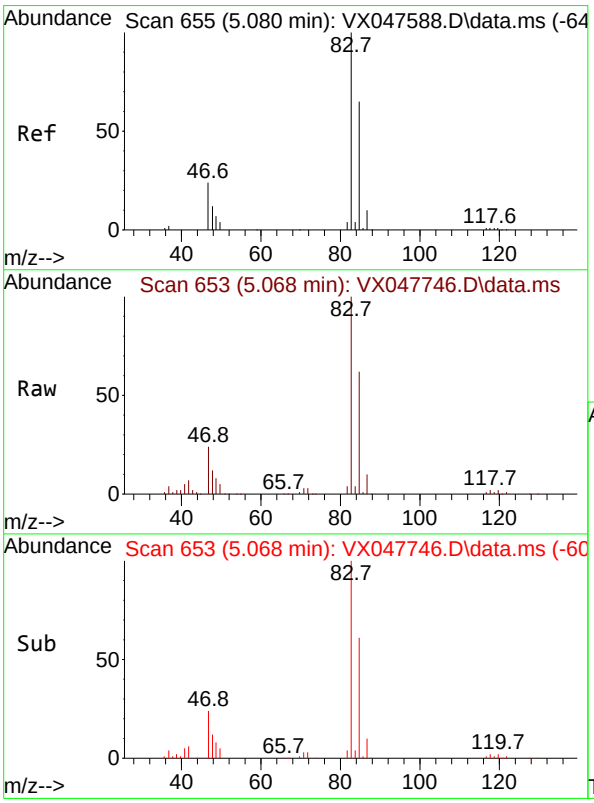

#29
Tetrahydrofuran
Concen: 272.674 ug/l
RT: 4.983 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 42 Resp: 236130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 34.2 | 51.2 |
| 71 | 39.6 | 31.9 | 47.9 |

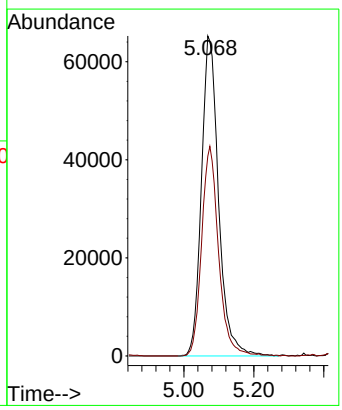


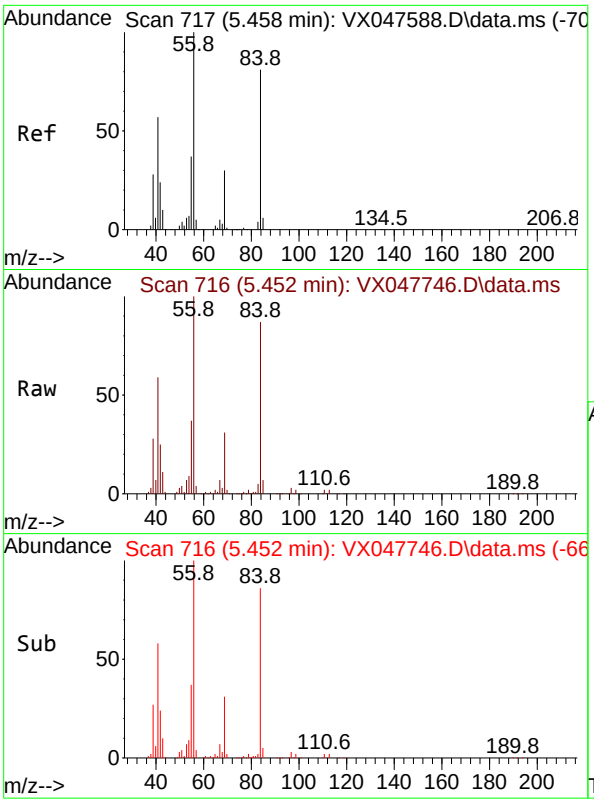




#30
Chloroform
Concen: 52.050 ug/l
RT: 5.068 min Scan# 653
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 83 Resp: 221493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 62.4 | 51.8 | 77.6 |



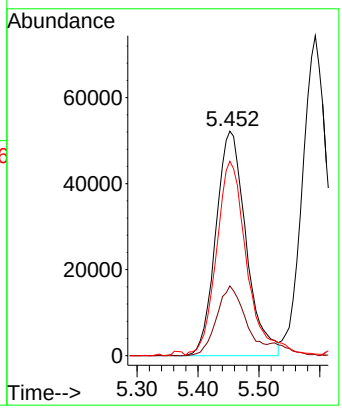


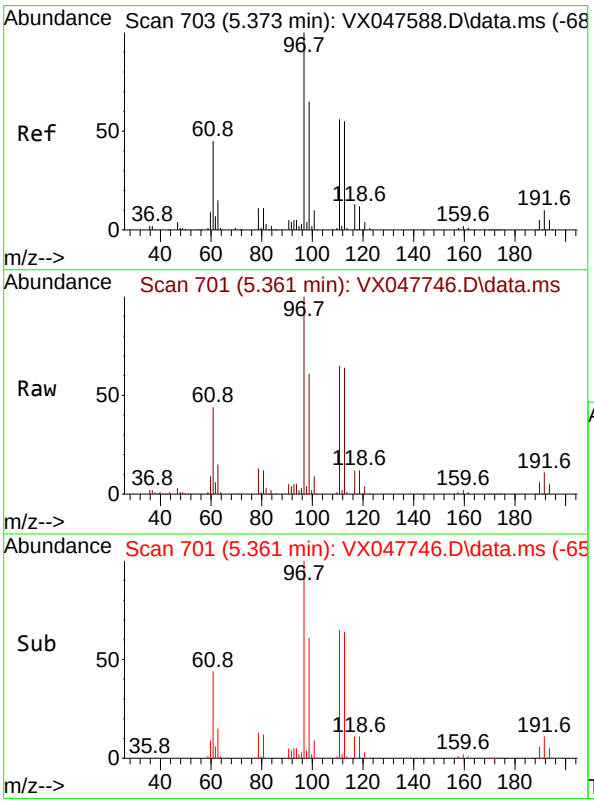

#31
Cyclohexane
Concen: 51.224 ug/l
RT: 5.452 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 56 Resp: 179654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.8 | 23.8 | 35.8 |
| 84 | 84.7 | 64.6 | 97.0 |

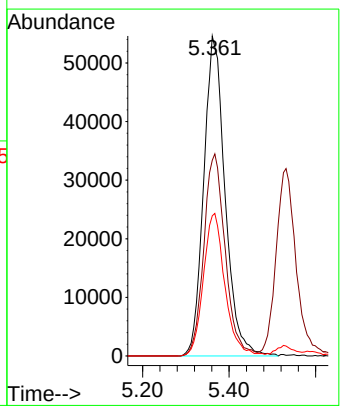


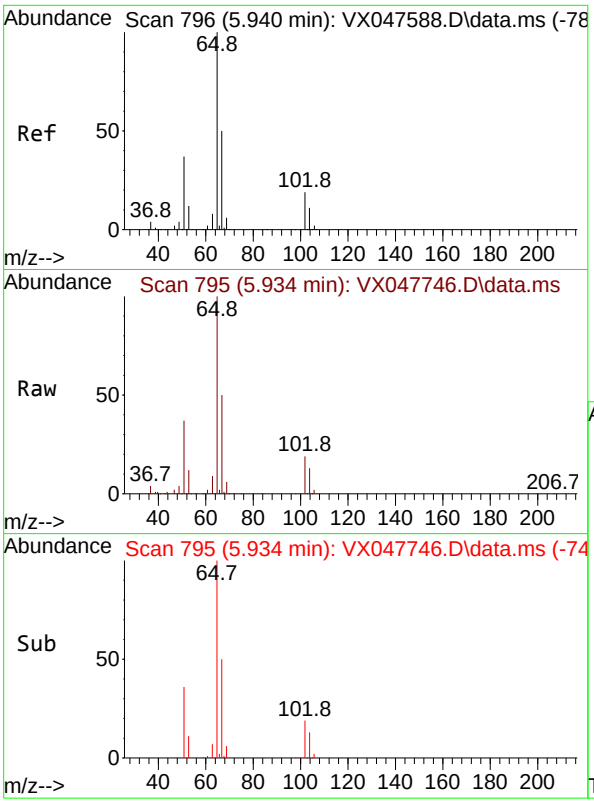




#32
1,1,1-Trichloroethane
Concen: 51.890 ug/l
RT: 5.361 min Scan# 701
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 97 Resp: 187296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.1 | 50.6 | 76.0 |
| 61 | 44.8 | 35.8 | 53.8 |



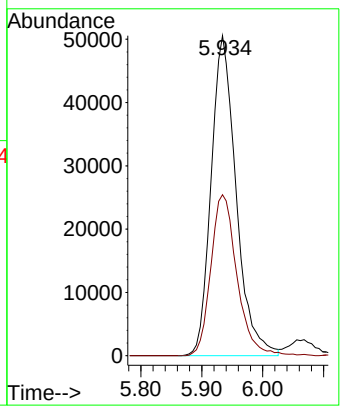


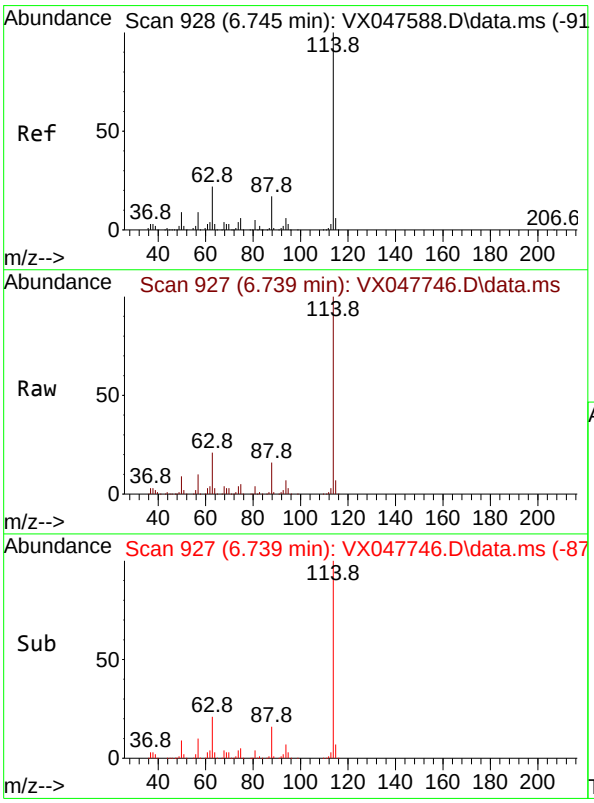

#33
1,2-Dichloroethane-d4
Concen: 54.210 ug/l
RT: 5.934 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 65 Resp: 143883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.0 |

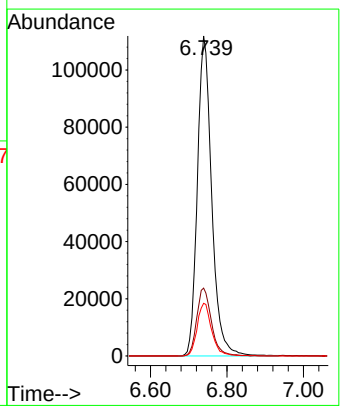


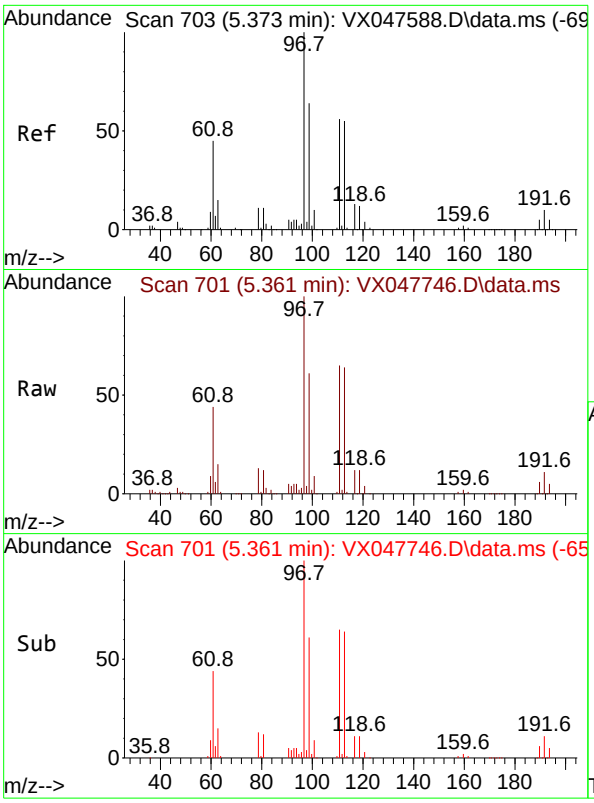




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.739 min Scan# 927
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:114 Resp: 290663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |



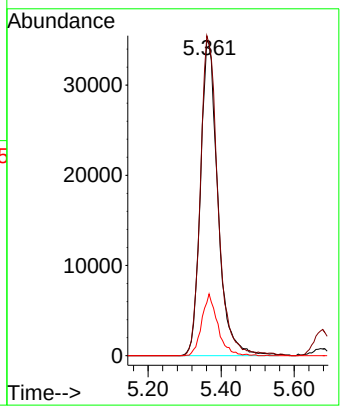


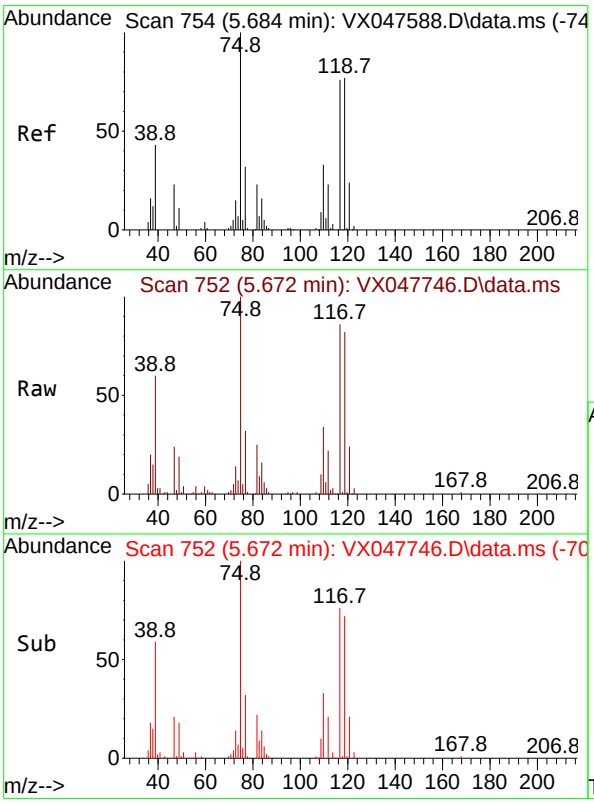

#35
Dibromofluoromethane
Concen: 59.312 ug/l
RT: 5.361 min Scan# 7(
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:113 Resp: 115620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.3 | 80.9 | 121.3 |
| 192 | 17.9 | 14.2 | 21.4 |

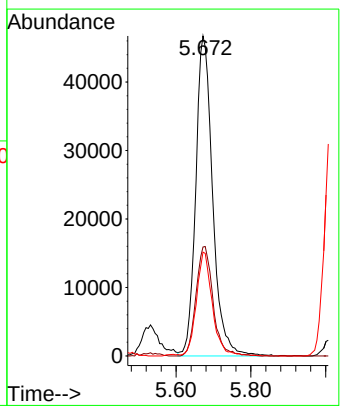


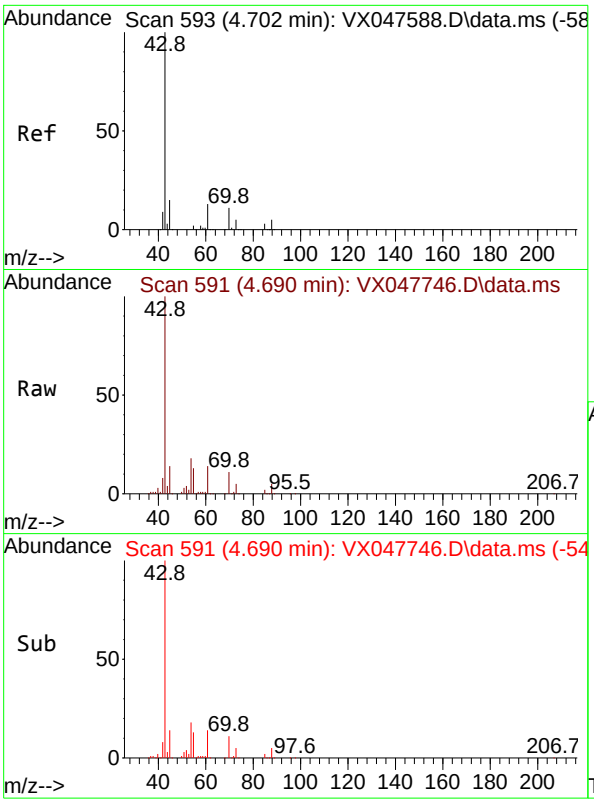




#36
1,1-Dichloropropene
Concen: 51.432 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 146503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 30.3 | 24.3 | 36.5 |



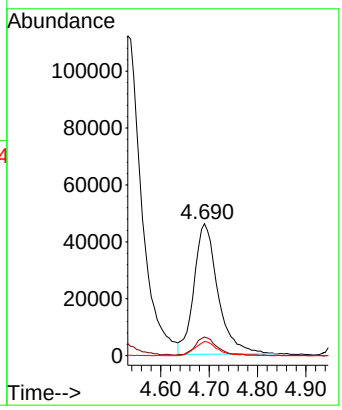


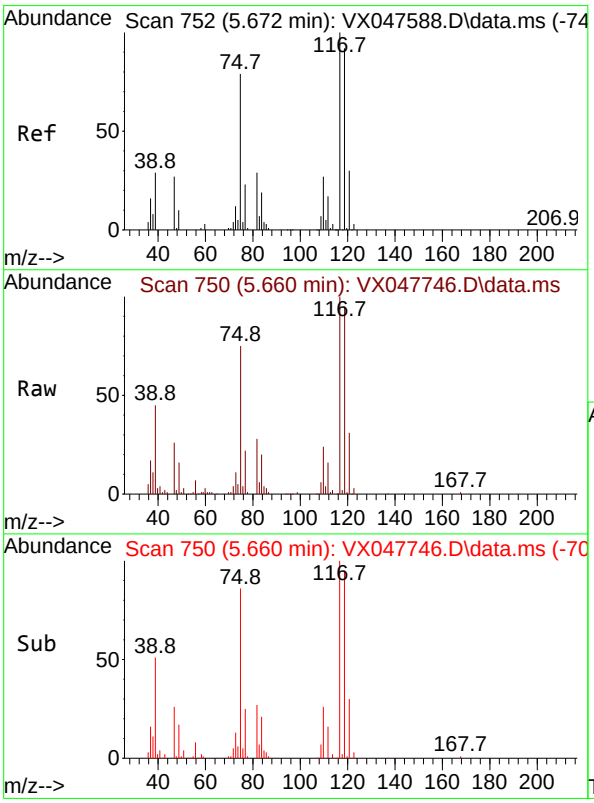

#37
Ethyl Acetate
Concen: 51.660 ug/l
RT: 4.690 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 157558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.8 | 9.8 | 14.8 |
| 70 | 10.4 | 7.9 | 11.9 |

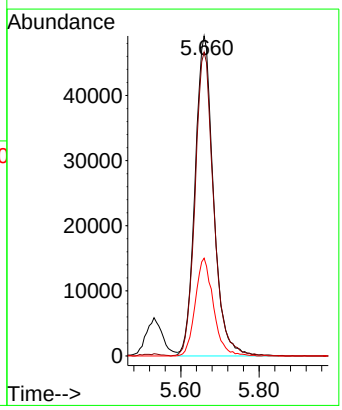


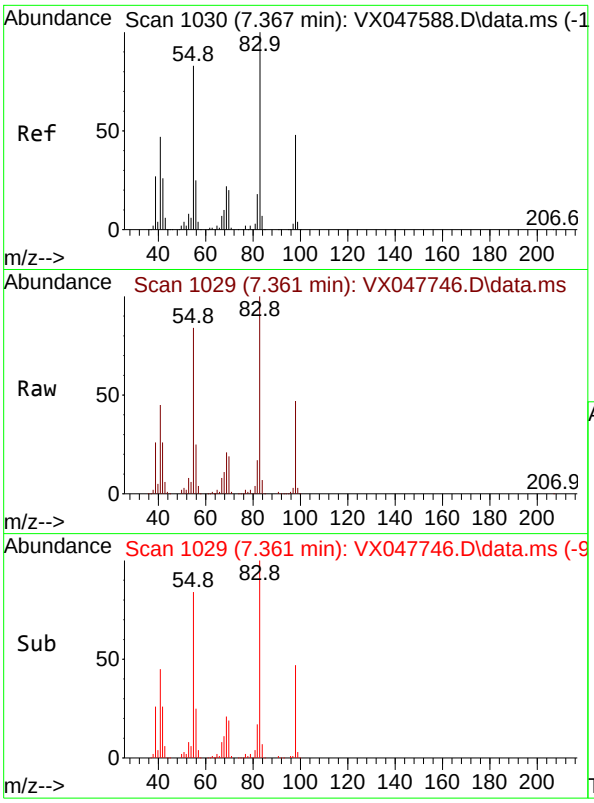




#38
Carbon Tetrachloride
Concen: 51.986 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:117 Resp: 160891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 94.8 | 73.4 | 110.2 |
| 121 | 30.6 | 23.8 | 35.6 |



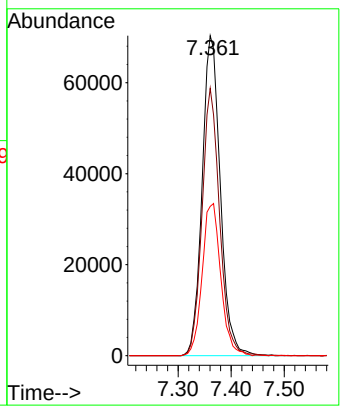


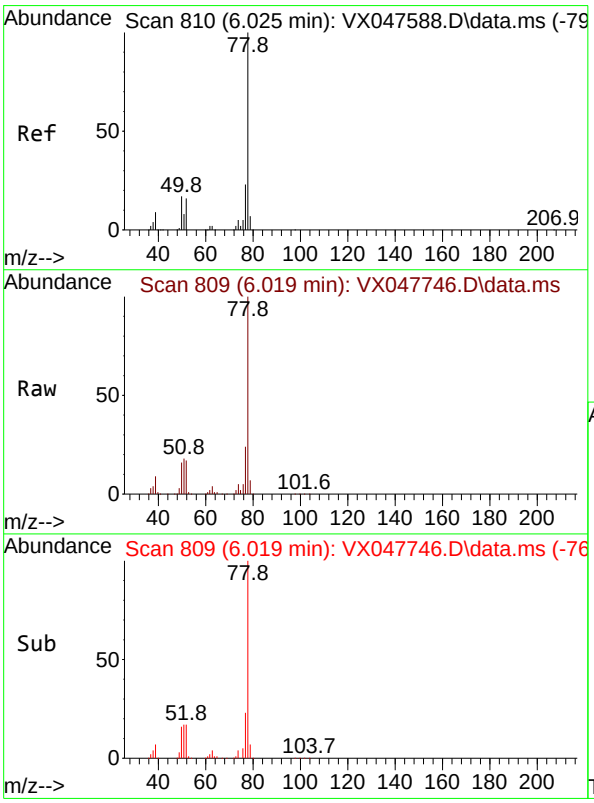

#39
Methylcyclohexane
Concen: 51.777 ug/l
RT: 7.361 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 167414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 83.5 | 66.4 | 99.6 |
| 98 | 46.6 | 38.1 | 57.1 |

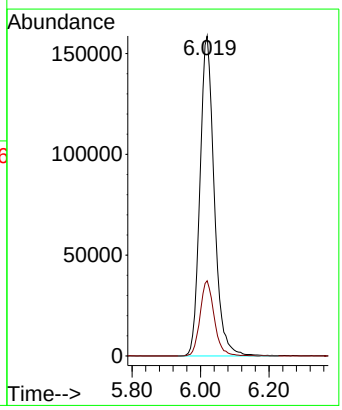


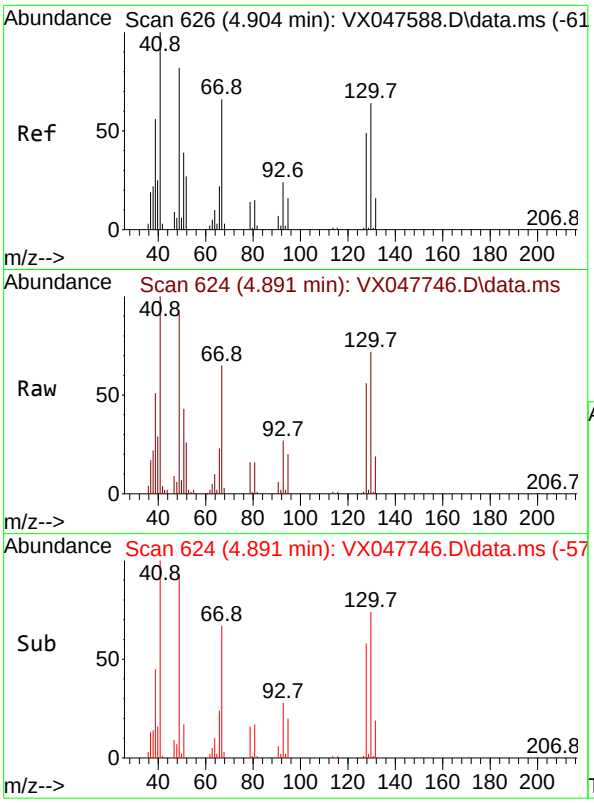




#40
Benzene
Concen: 53.223 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 78 Resp: 460455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 23.5 | 18.8 | 28.2 |



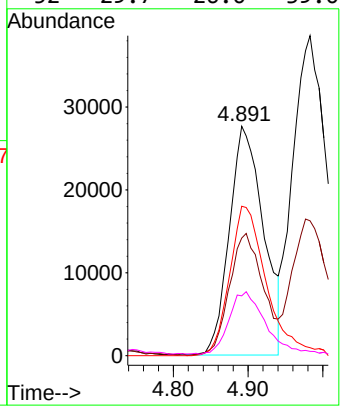


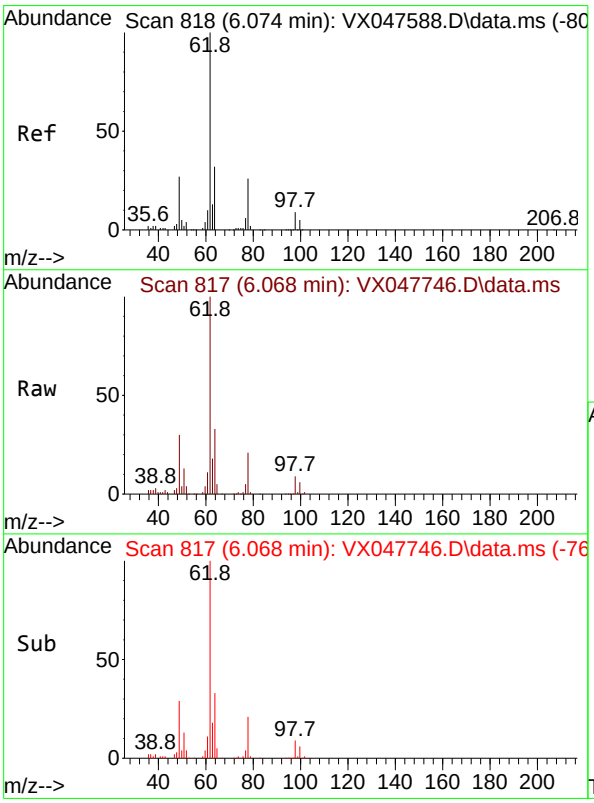

#41
Methacrylonitrile
Concen: 55.742 ug/l
RT: 4.891 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 41 Resp: 87766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.4 | 43.3 | 64.9 |
| 67 | 70.6 | 58.6 | 87.8 |
| 52 | 29.7 | 26.0 | 39.0 |

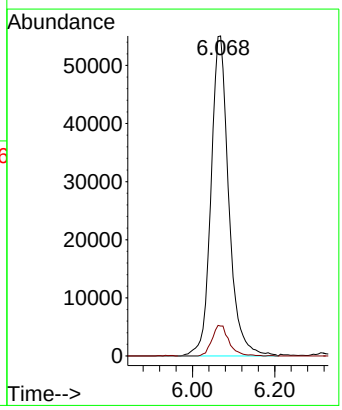


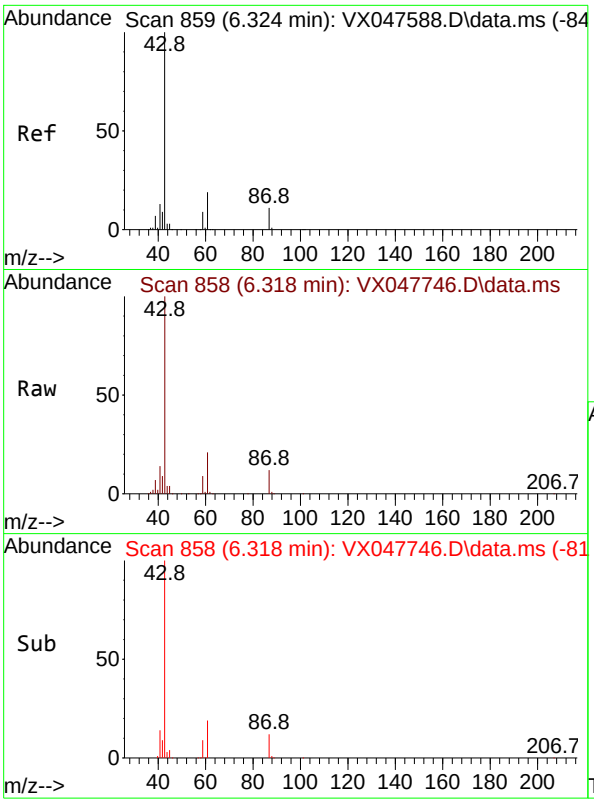




#42
1,2-Dichloroethane
Concen: 50.209 ug/l
RT: 6.068 min Scan# 817
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 62 Resp: 165276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.1 | 0.0 | 17.0 |



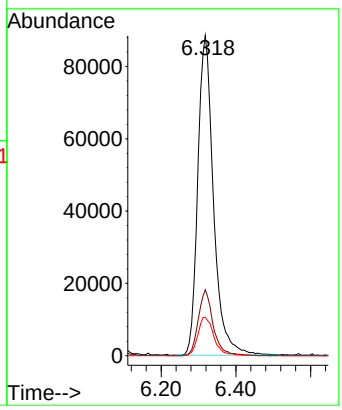


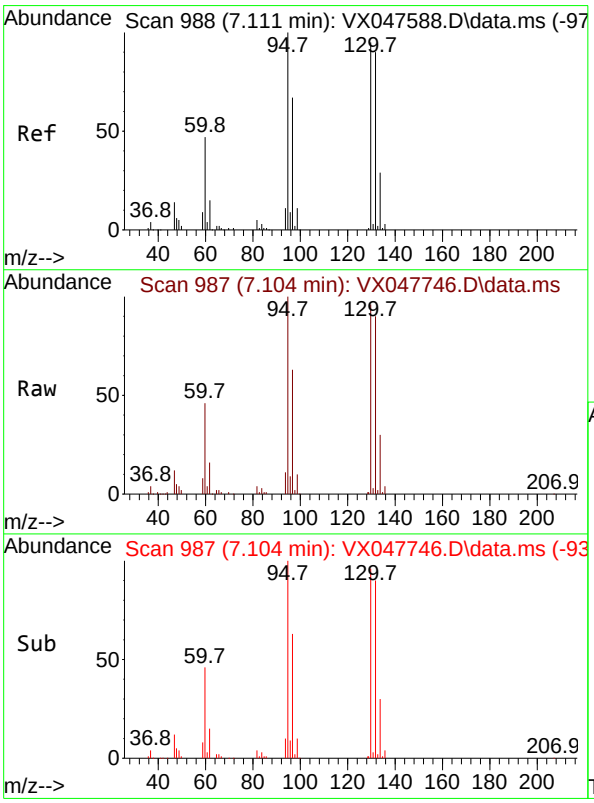

#43
Isopropyl Acetate
Concen: 51.528 ug/l
RT: 6.318 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 257745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.5 | 15.2 | 22.8 |
| 87 | 12.4 | 9.6 | 14.4 |

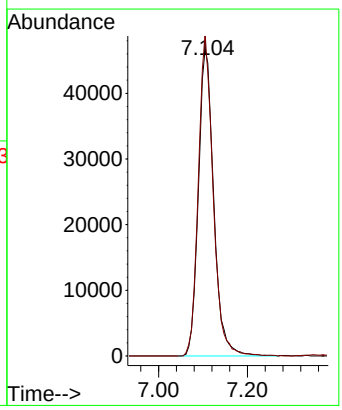


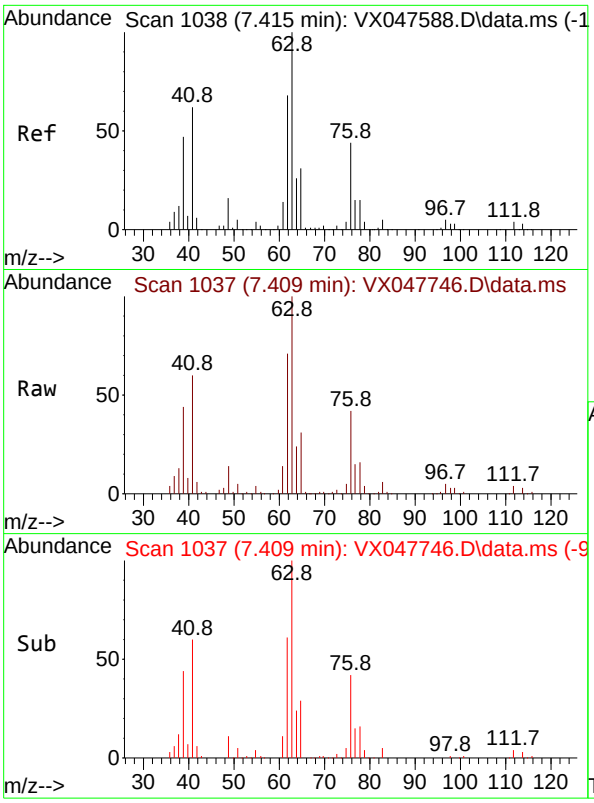




#44
Trichloroethene
Concen: 53.736 ug/l
RT: 7.104 min Scan# 987
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:130 Resp: 112394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 104.4 | 0.0 | 210.8 |



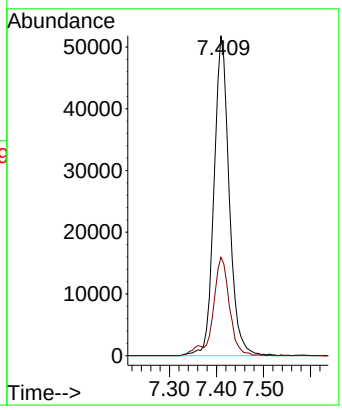


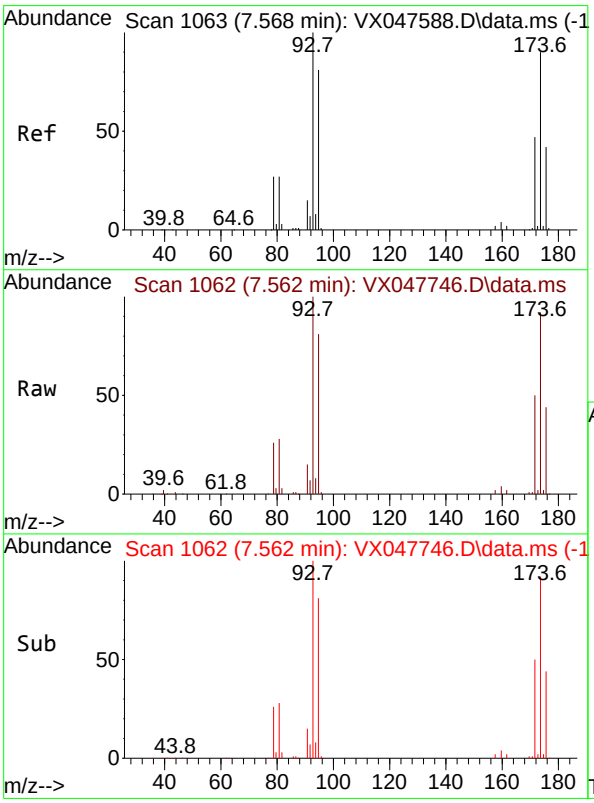

#45
1,2-Dichloropropane
Concen: 52.565 ug/l
RT: 7.409 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 63 Resp: 116449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 30.7 | 24.7 | 37.1 |

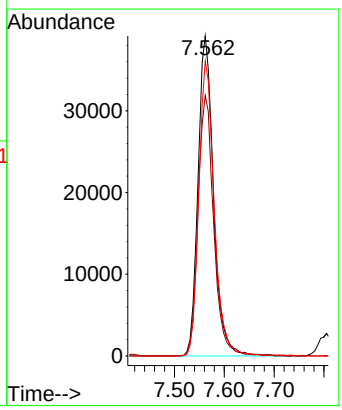


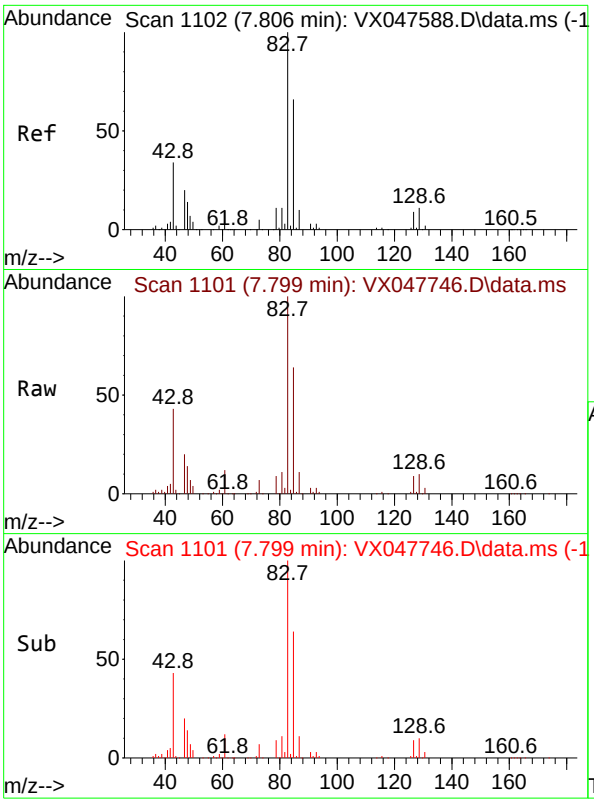




#46
Dibromomethane
Concen: 52.418 ug/l
RT: 7.562 min Scan# 1062
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 93 Resp: 84502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.5 | 65.0 | 97.6 |
| 174 | 91.4 | 71.6 | 107.4 |



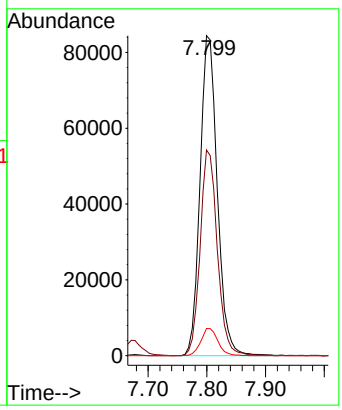


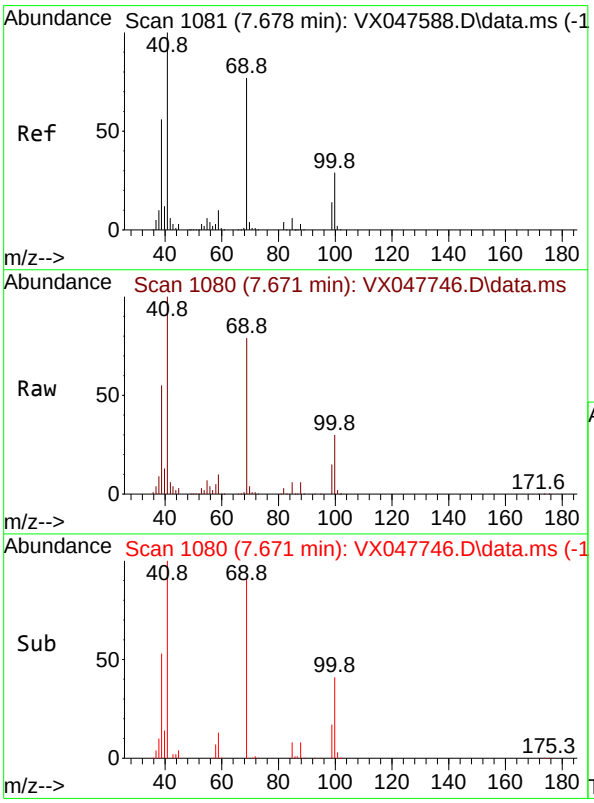

#47
Bromodichloromethane
Concen: 51.915 ug/l
RT: 7.799 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 172703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.3 | 52.5 | 78.7 |
| 127 | 8.5 | 6.9 | 10.3 |

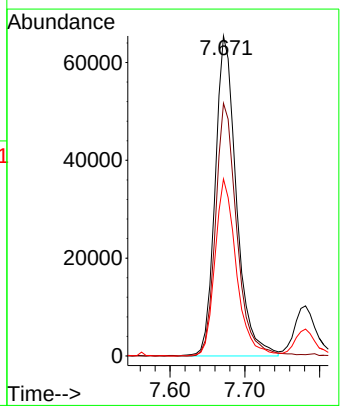


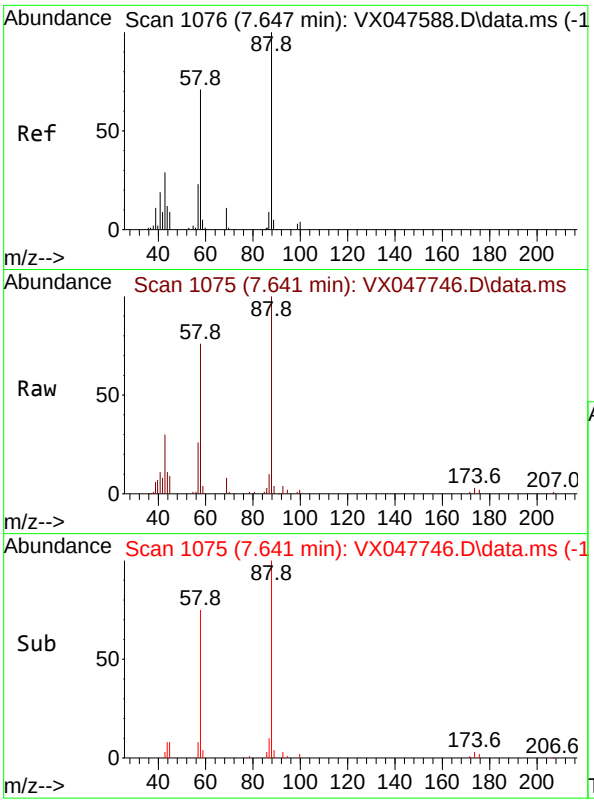




#48
Methyl methacrylate
Concen: 51.974 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 41 Resp: 129497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 78.9 | 61.4 | 92.2 |
| 39 | 55.9 | 45.8 | 68.6 |



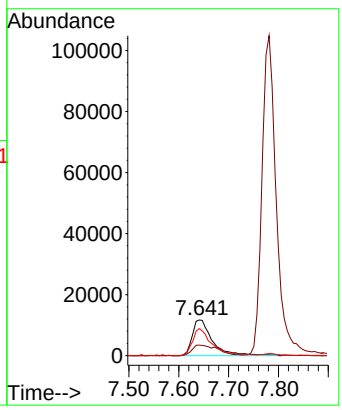


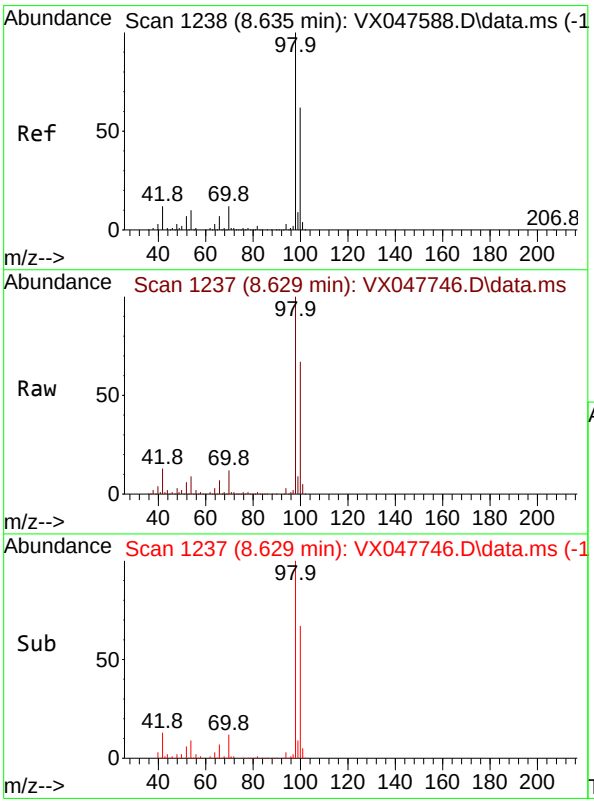

#49
1,4-Dioxane
Concen: 1306.764 ug/l
RT: 7.641 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 88 Resp: 32904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 38.2 | 30.2 | 45.2 |
| 58 | 73.3 | 59.5 | 89.3 |

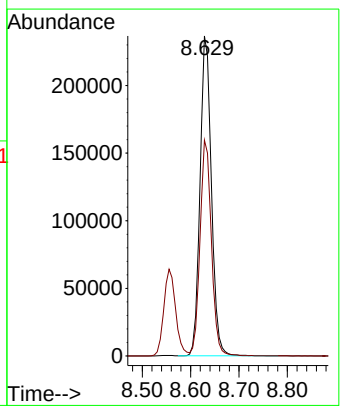


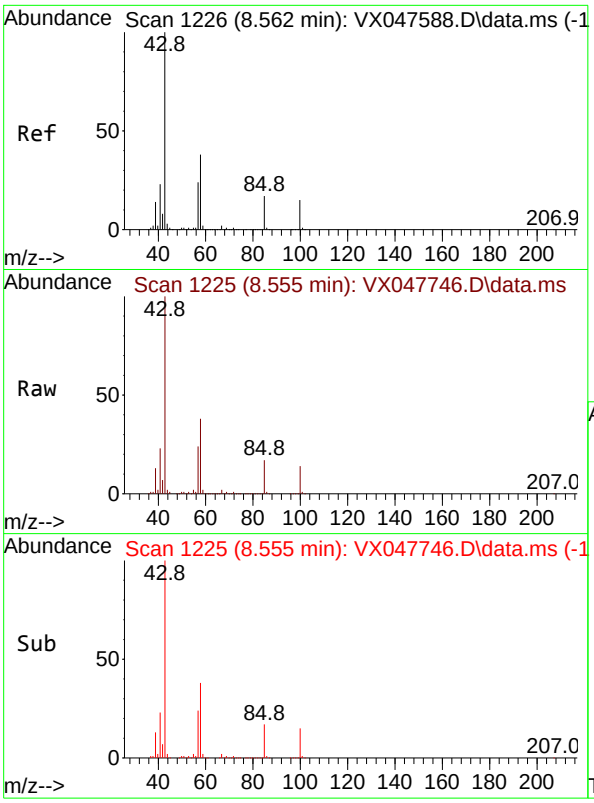




#50
Toluene-d8
Concen: 57.106 ug/l
RT: 8.629 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 98 Resp: 385188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |



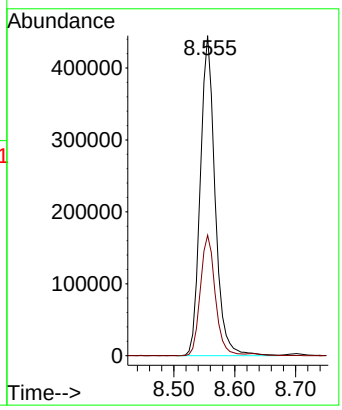


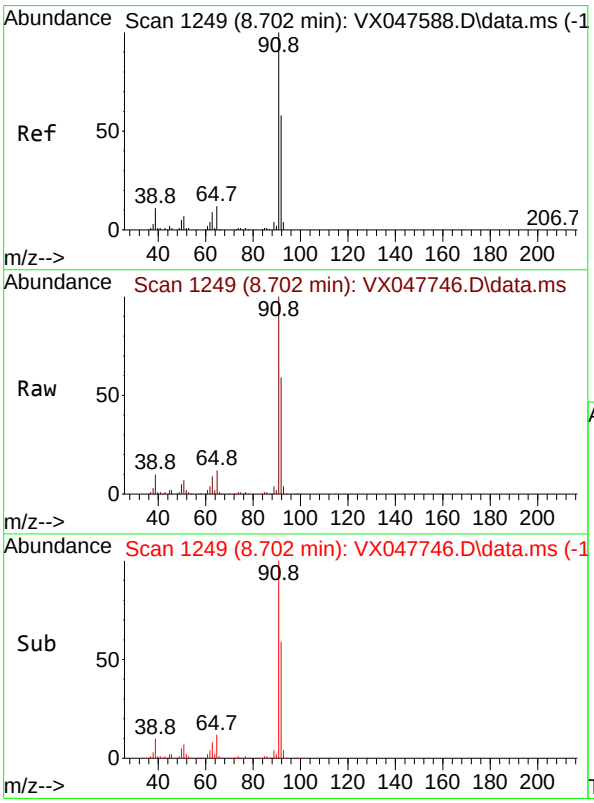

#51
4-Methyl-2-Pentanone
Concen: 270.171 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 749272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |

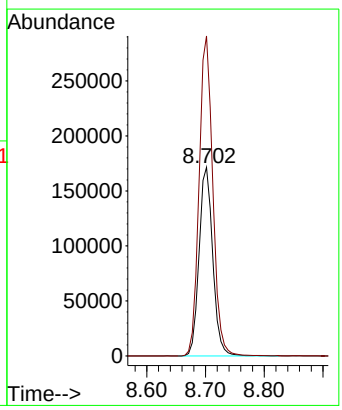


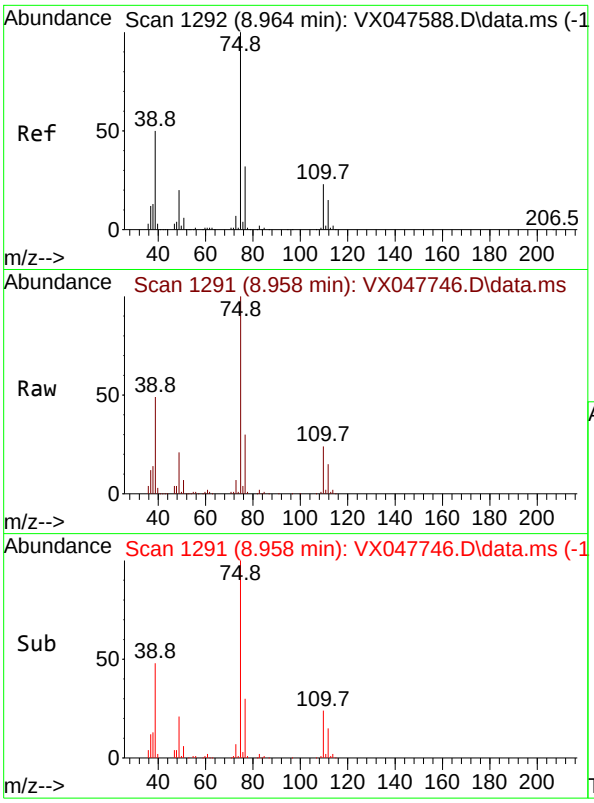




#52
Toluene
Concen: 51.811 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 92 Resp: 276160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 137.1 | 205.7 |



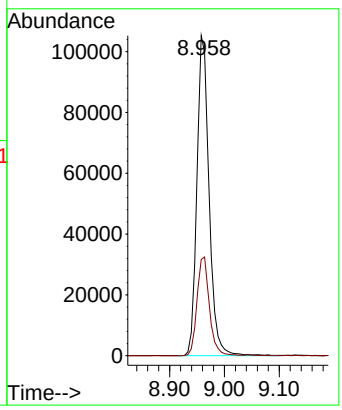


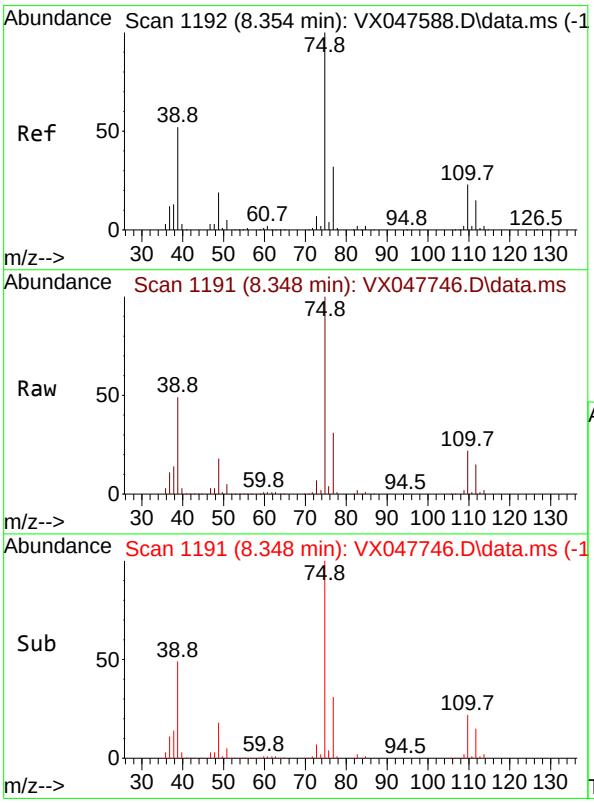

#53
t-1,3-Dichloropropene
Concen: 48.037 ug/l
RT: 8.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 163001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.0 | 25.4 | 38.2 |

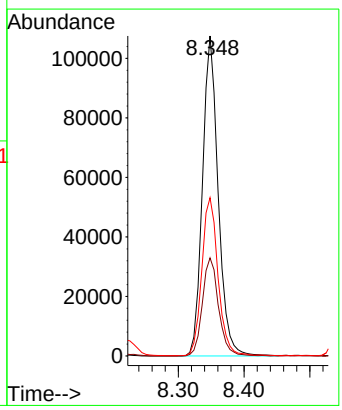


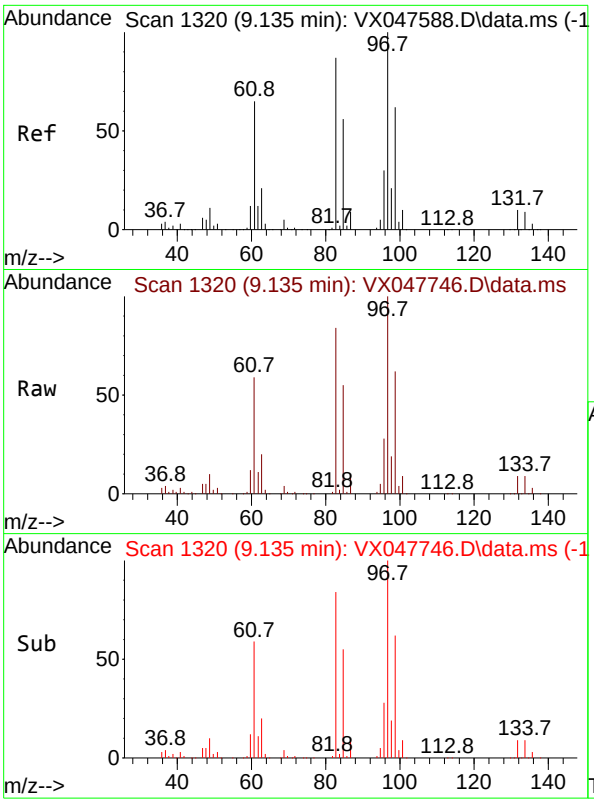




#54
cis-1,3-Dichloropropene
Concen: 49.218 ug/l
RT: 8.348 min Scan# 1191
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 178505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.7 | 25.8 | 38.6 |
| 39 | 48.9 | 41.4 | 62.2 |



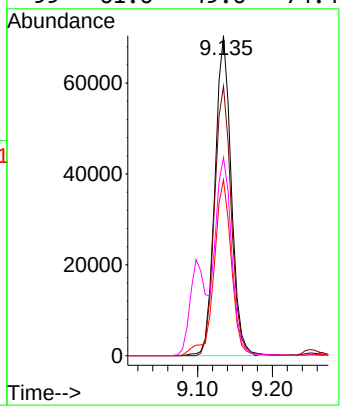


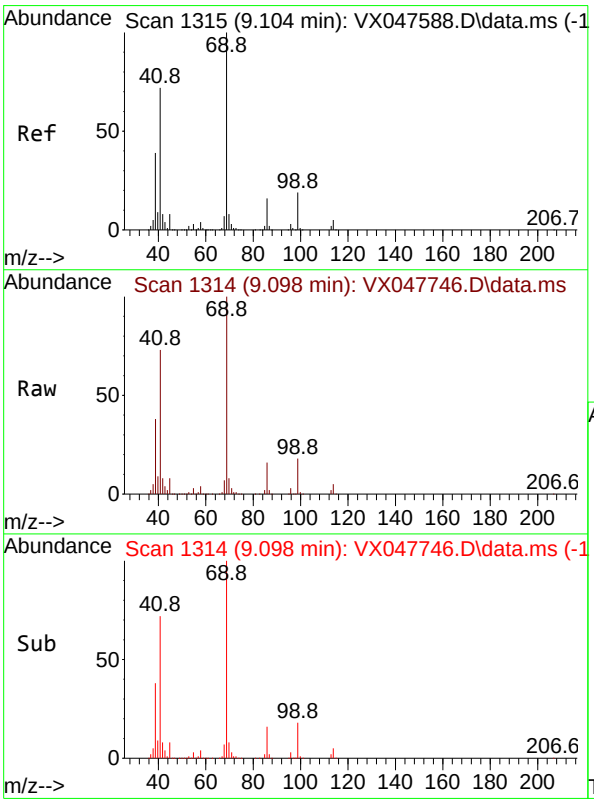

#55
1,1,2-Trichloroethane
Concen: 52.187 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 97 Resp: 107258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 84.2 | 69.6 | 104.4 |
| 85 | 55.0 | 45.0 | 67.6 |
| 99 | 61.6 | 49.6 | 74.4 |

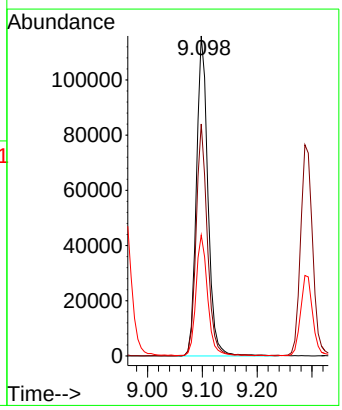


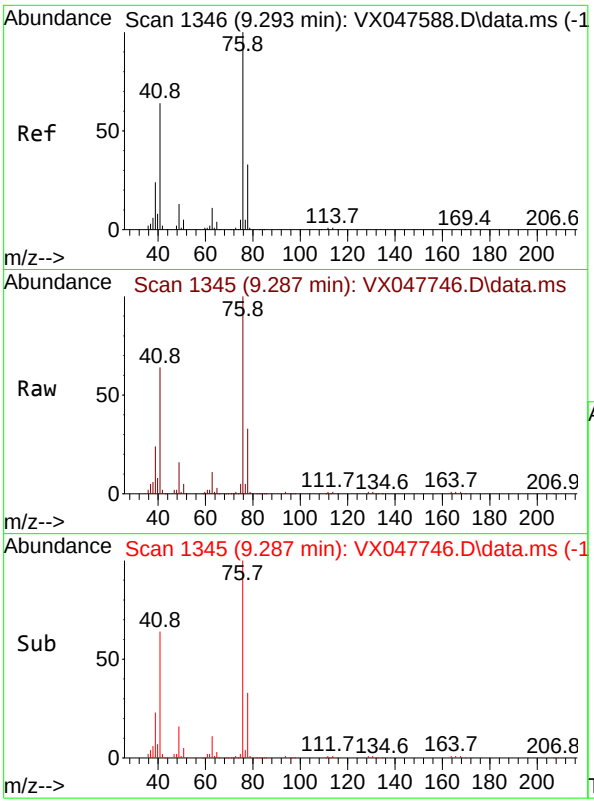




#56
Ethyl methacrylate
Concen: 52.534 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 69 Resp: 169567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.6 | 58.6 | 87.8 |
| 39 | 37.8 | 31.5 | 47.3 |



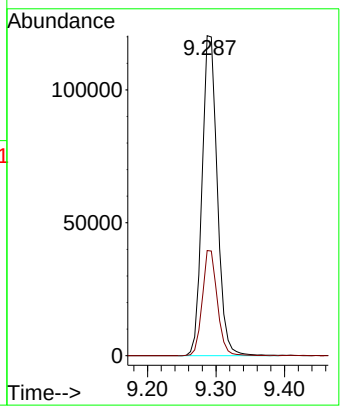


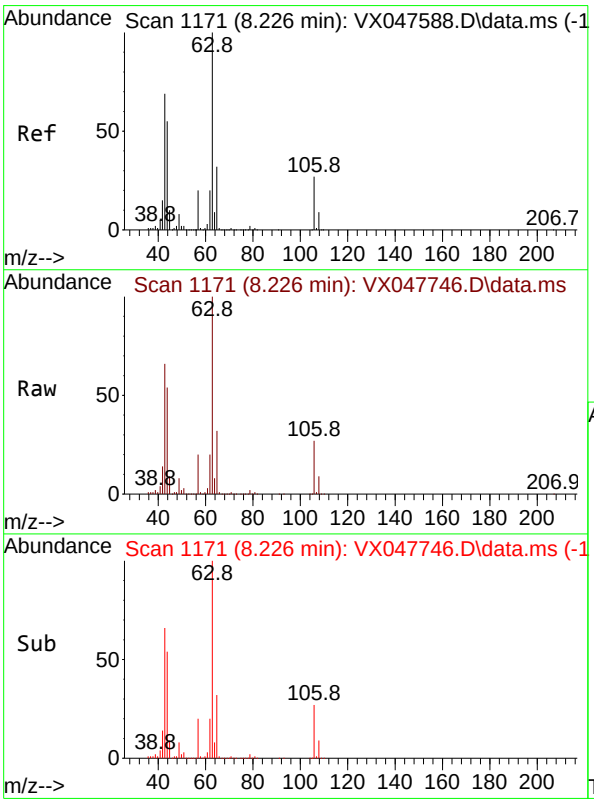

#57
1,3-Dichloropropane
Concen: 52.699 ug/l
RT: 9.287 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 76 Resp: 186062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.3 | 26.2 | 39.4 |

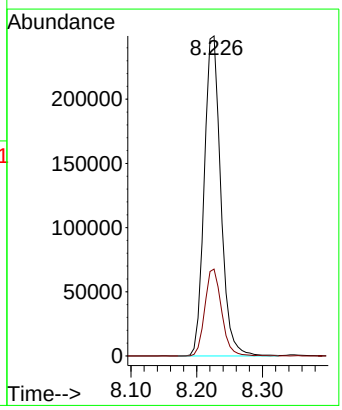


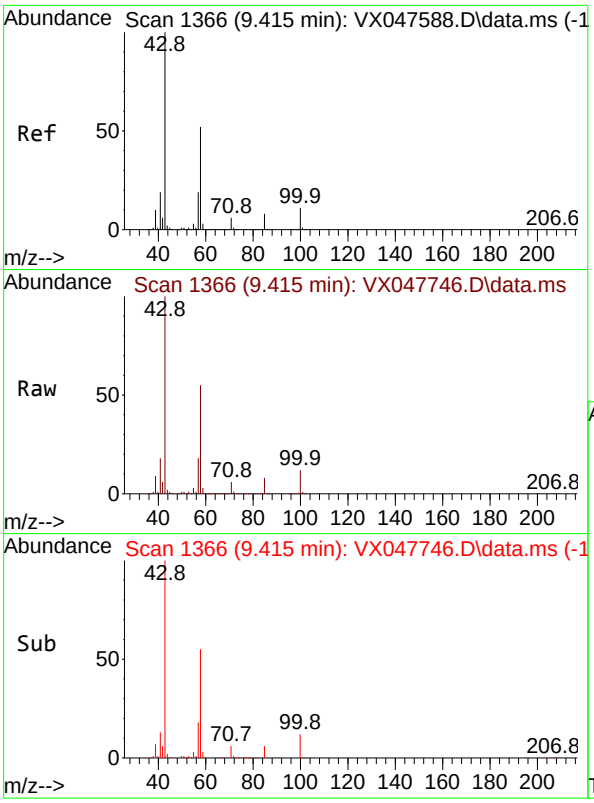




#58
2-Chloroethyl Vinyl ether
Concen: 280.568 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 63 Resp: 436211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



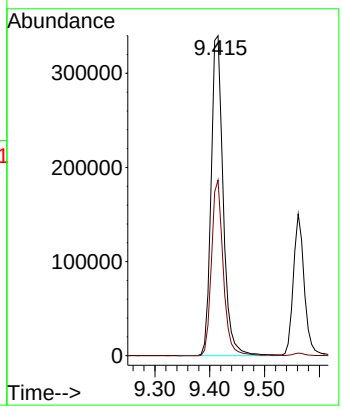


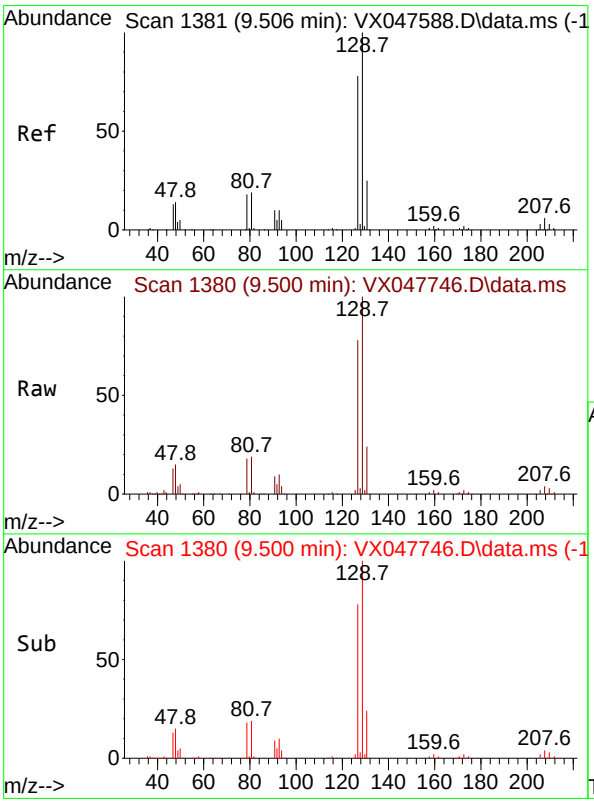

#59
2-Hexanone
Concen: 260.122 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 43 Resp: 518114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.4 | 26.1 | 78.2 |

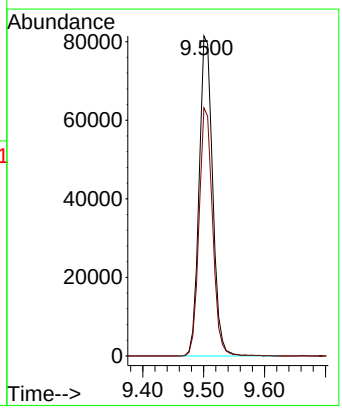


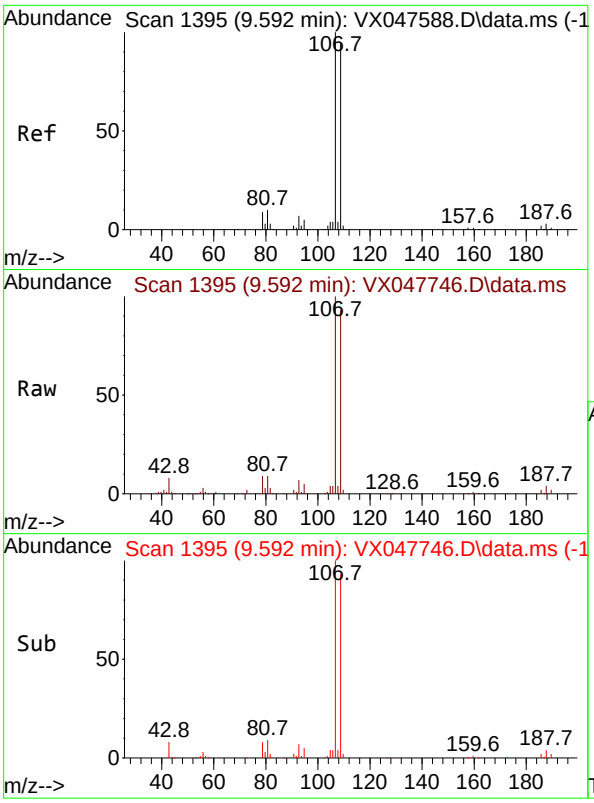




#60
Dibromochloromethane
Concen: 52.954 ug/l
RT: 9.500 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:129 Resp: 125404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.6 | 38.4 | 115.2 |



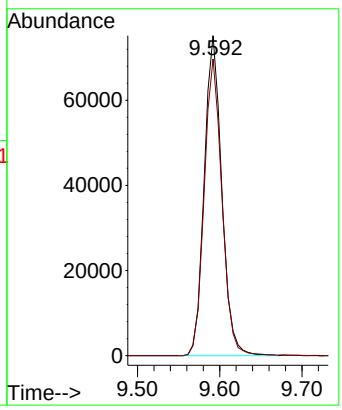


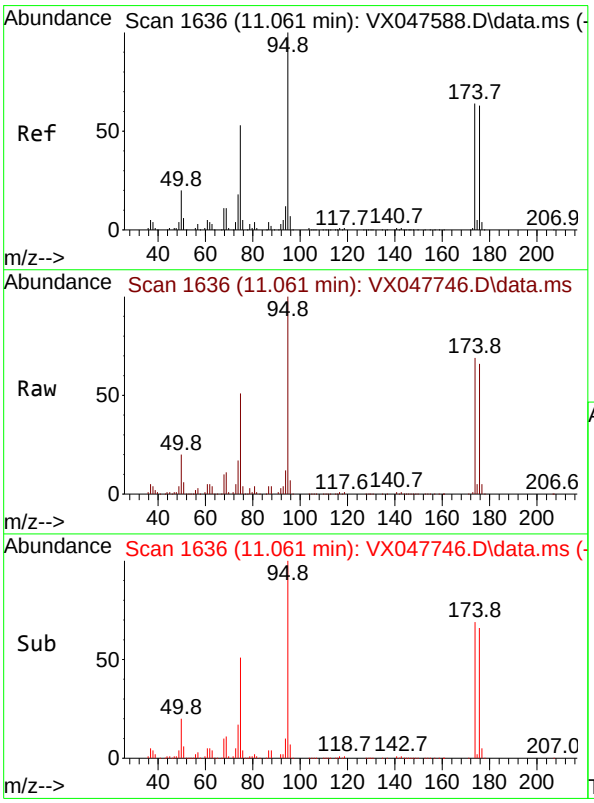

#61
1,2-Dibromoethane
Concen: 53.090 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:107 Resp: 111139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.1 | 75.3 | 112.9 |

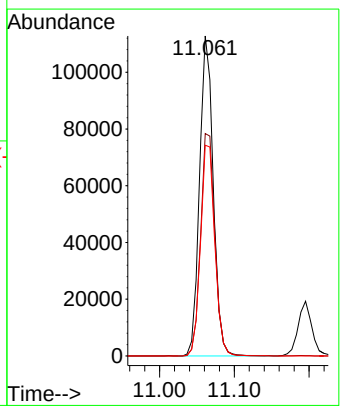


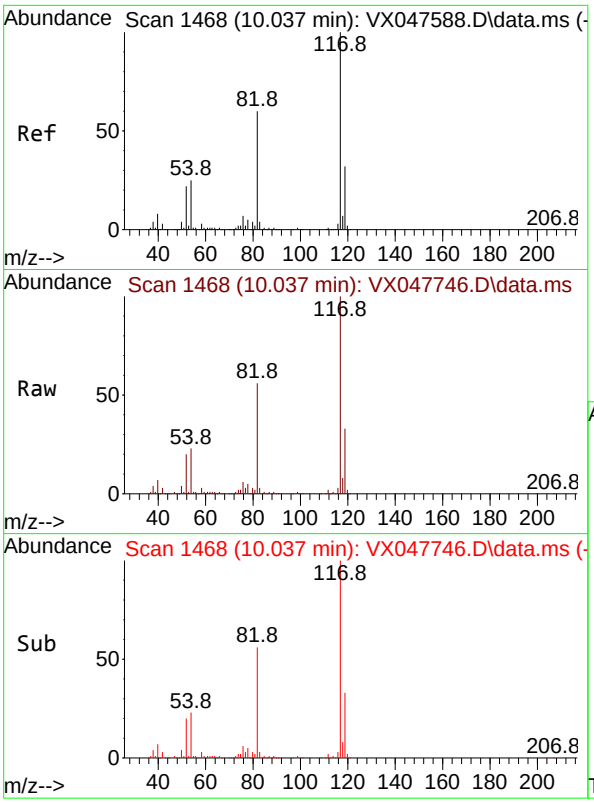




#62
4-Bromofluorobenzene
Concen: 55.994 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 95 Resp: 143339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.3 | 0.0 | 141.6 |
| 176 | 69.0 | 0.0 | 138.4 |



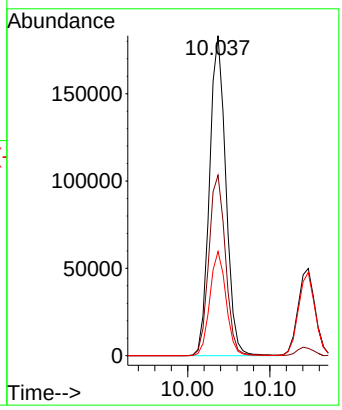


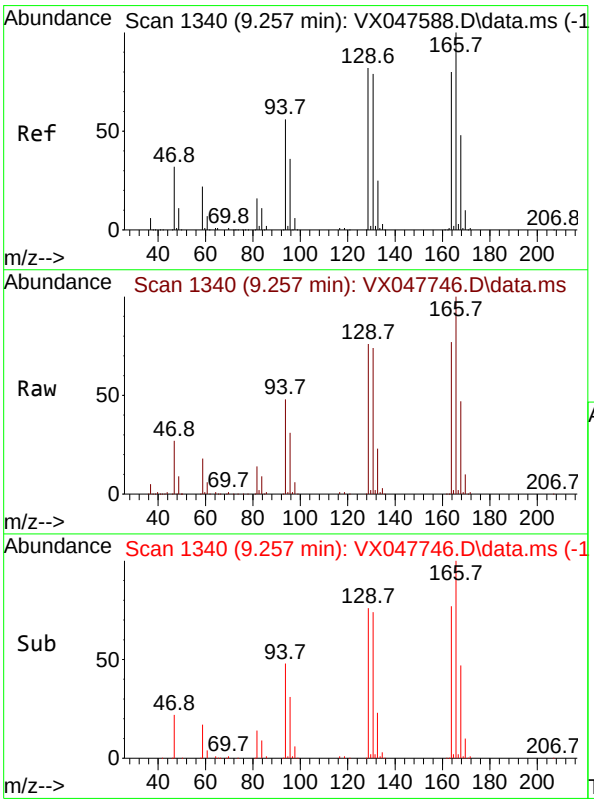

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:117 Resp: 252770

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 47.8 | 71.6 |
| 119 | 32.6 | 25.2 | 37.8 |

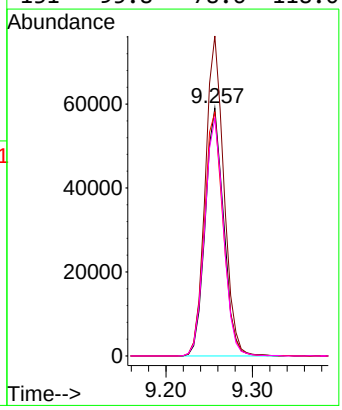


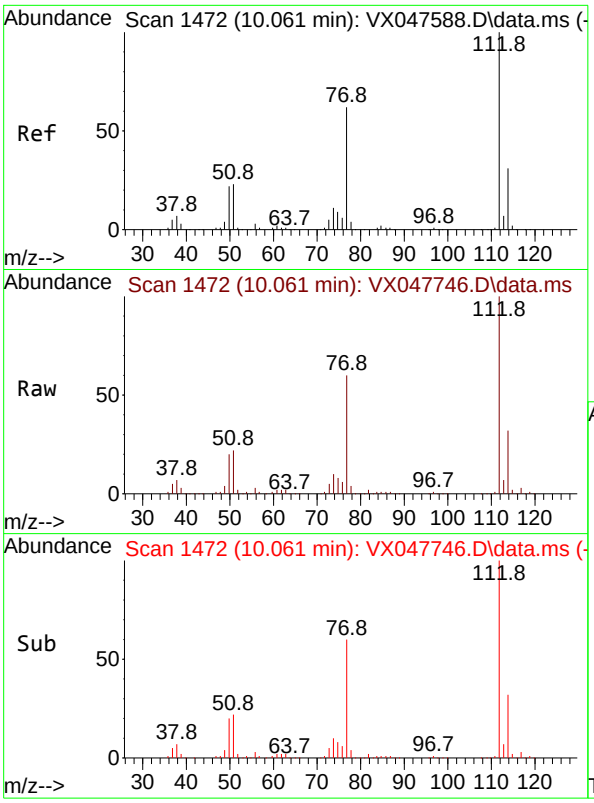




#64
Tetrachloroethene
Concen: 53.073 ug/l
RT: 9.257 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:164 Resp: 87453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 129.1 | 100.2 | 150.2 |
| 129 | 98.3 | 81.8 | 122.6 |
| 131 | 95.8 | 78.6 | 118.0 |



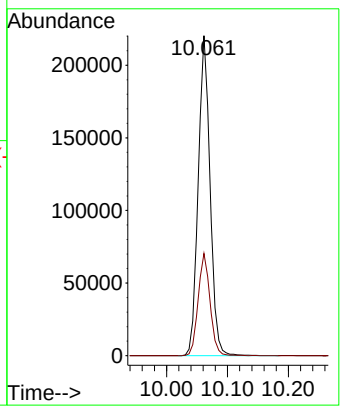


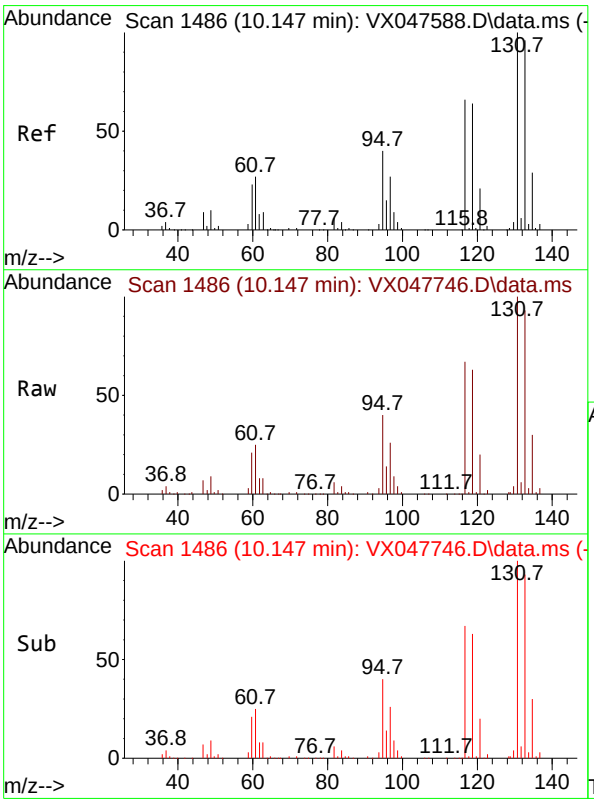

#65
Chlorobenzene
Concen: 51.885 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:112 Resp: 297945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.9 | 25.1 | 37.7 |

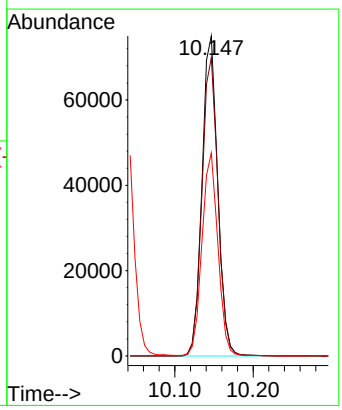


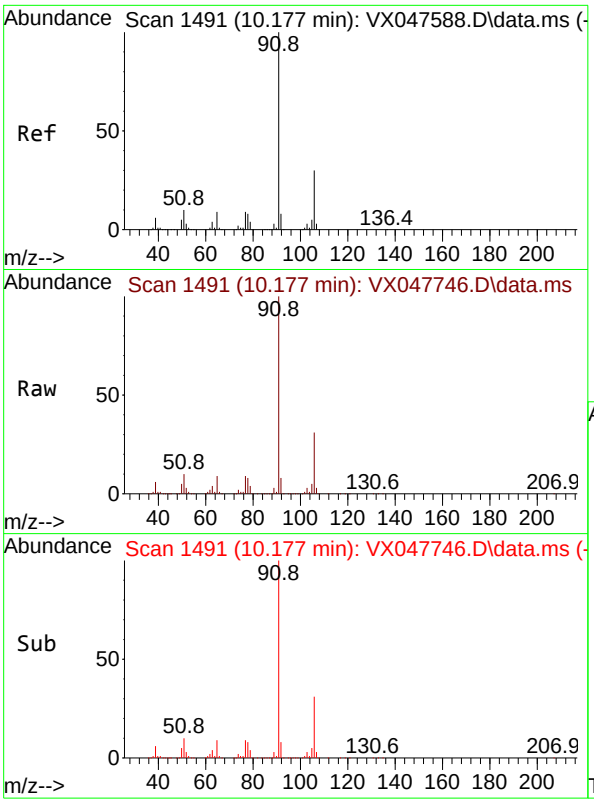




#66
1,1,1,2-Tetrachloroethane
Concen: 52.679 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:131 Resp: 104386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.8 | 47.3 | 142.0 |
| 119 | 64.4 | 32.0 | 96.0 |



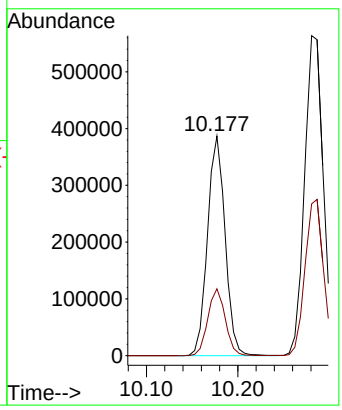


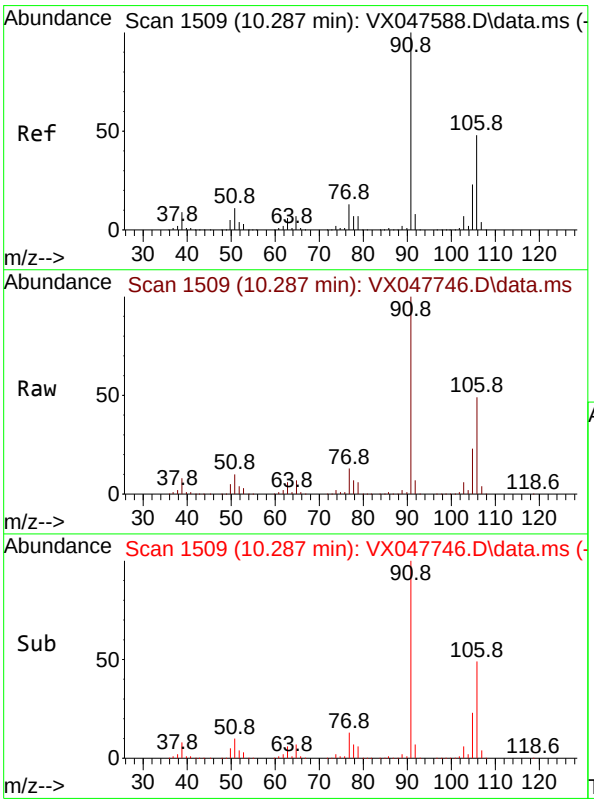

#67
Ethyl Benzene
Concen: 52.120 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 516414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.5 | 24.3 | 36.5 |

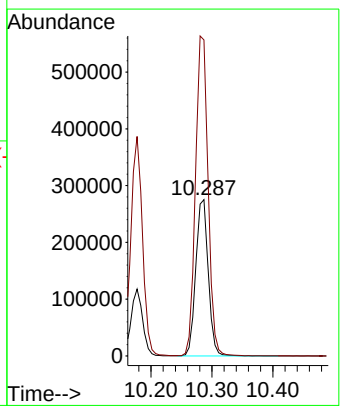


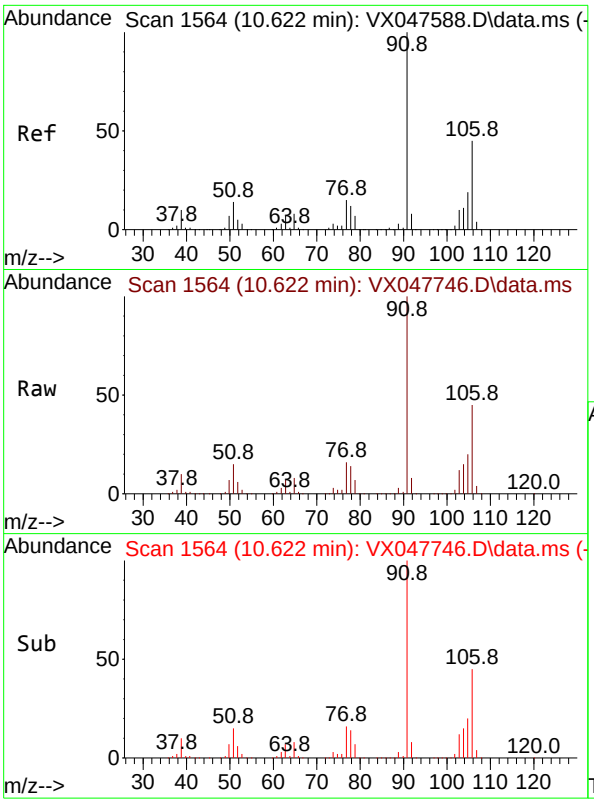




#68
m/p-Xylenes
Concen: 106.017 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:106 Resp: 390979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.2 | 167.8 | 251.8 |



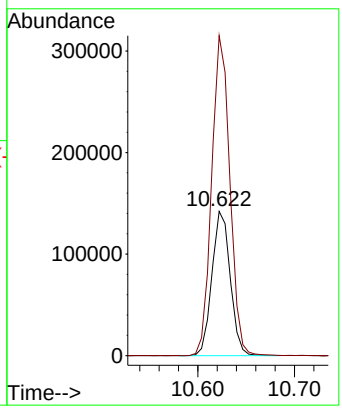


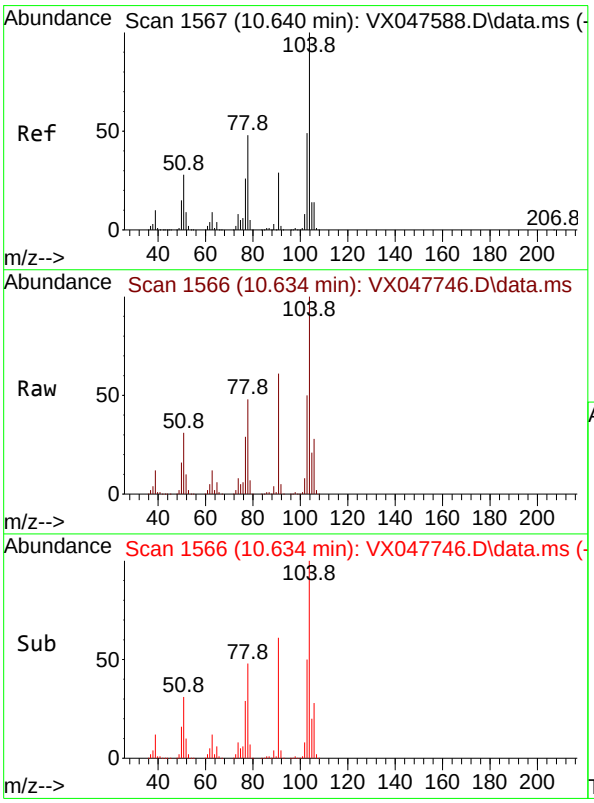

#69
o-Xylene
Concen: 52.481 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:106 Resp: 187203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.0 | 111.1 | 333.4 |

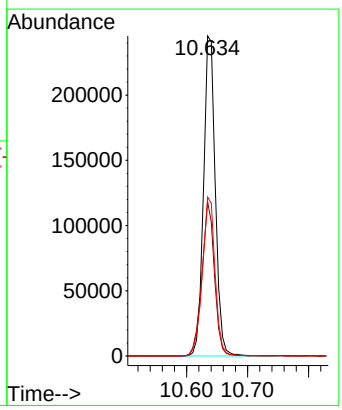


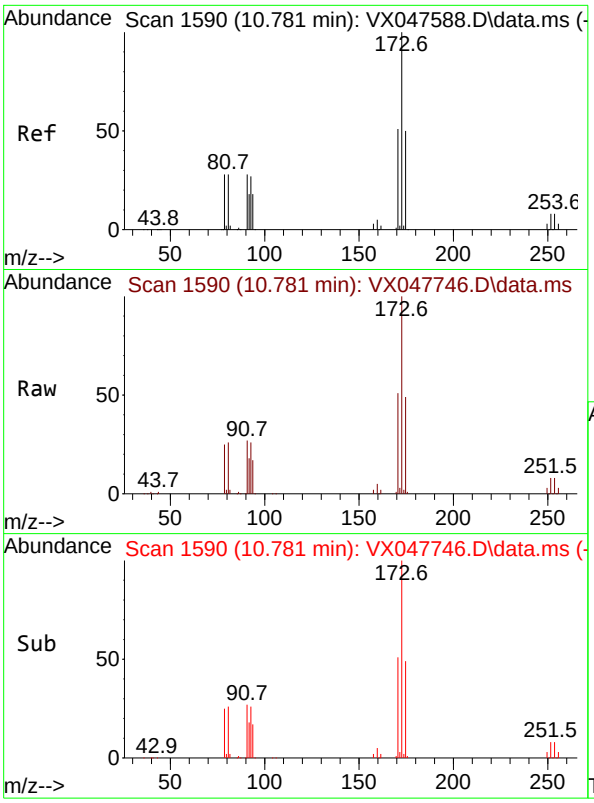




#70
Styrene
Concen: 52.908 ug/l
RT: 10.634 min Scan# 1566
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:104 Resp: 330686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.2 | 43.1 | 64.7 |
| 103 | 53.7 | 43.1 | 64.7 |



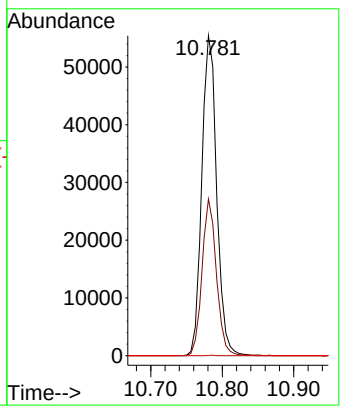


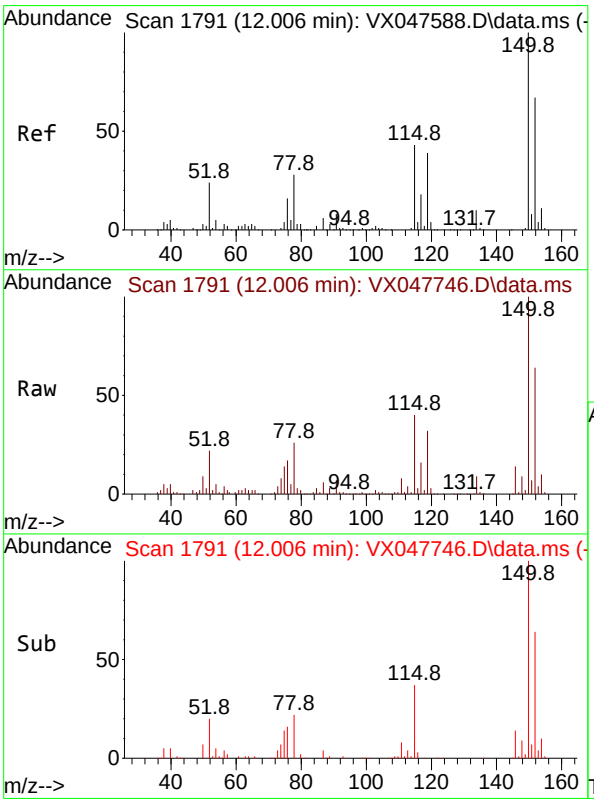

#71
Bromoform
Concen: 54.161 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:173 Resp: 80138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 47.2 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1# |

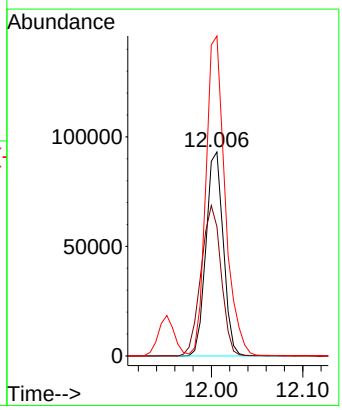


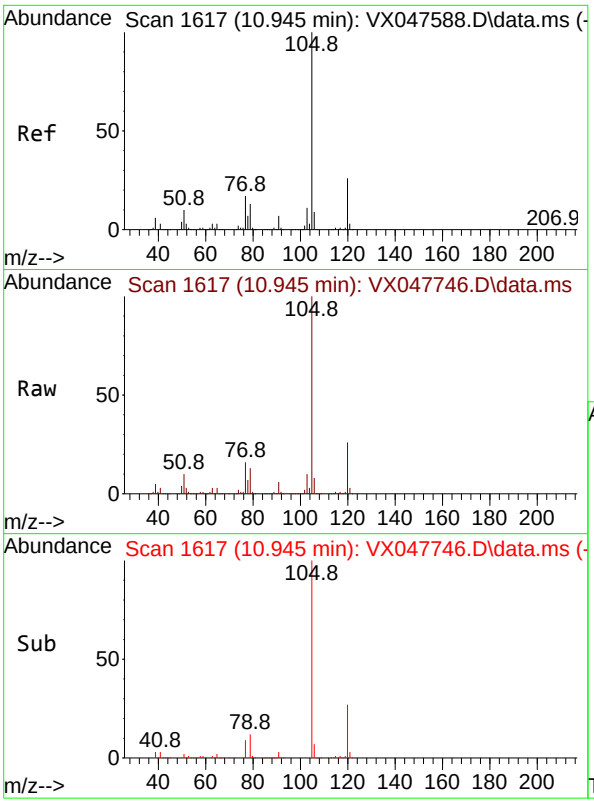




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:152 Resp: 121948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.0 | 44.9 | 134.5 |
| 150 | 173.9 | 0.0 | 352.0 |



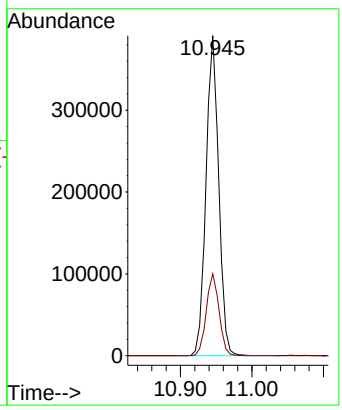


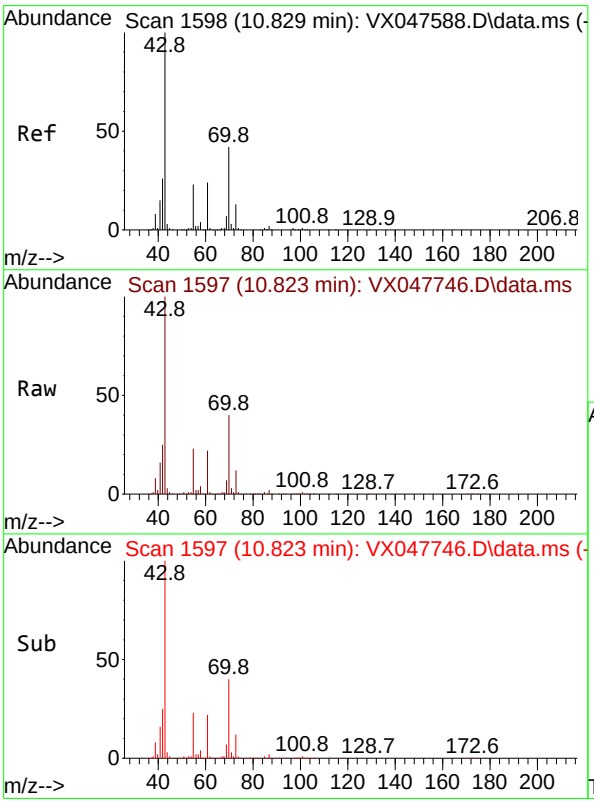

#73
Isopropylbenzene
Concen: 51.938 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 481526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |

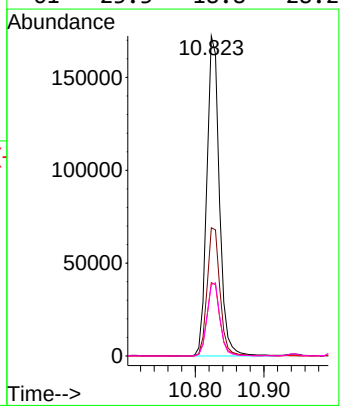


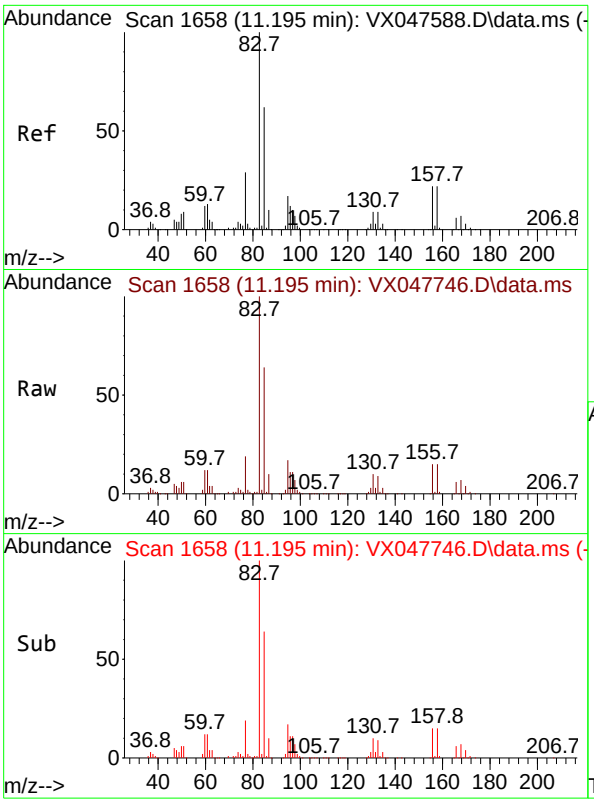




#74
N-amyl acetate
Concen: 52.312 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 43 Resp: 221168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.9 | 32.0 | 48.0 |
| 55 | 23.6 | 18.9 | 28.3 |
| 61 | 23.3 | 18.8 | 28.2 |



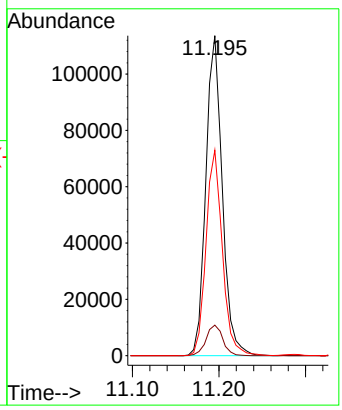


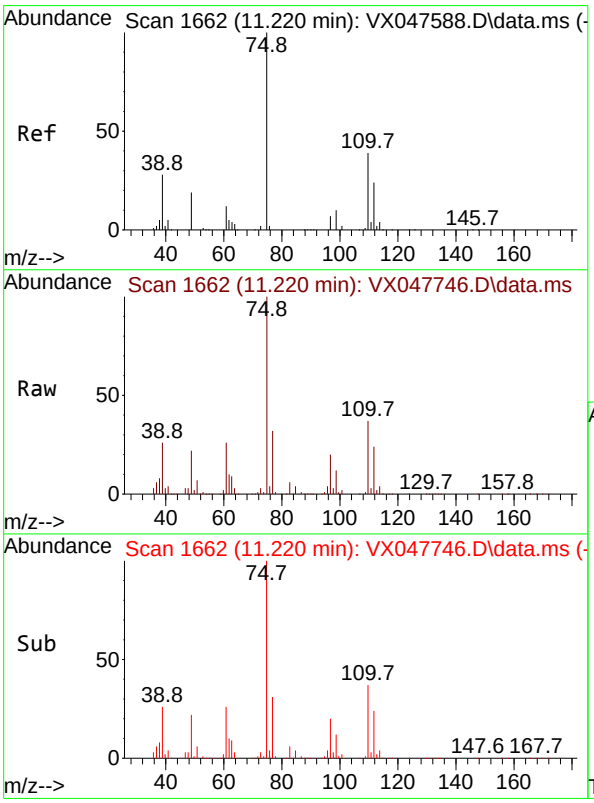

#75
1,1,2,2-Tetrachloroethane
Concen: 53.400 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 83 Resp: 149789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 64.0 | 31.6 | 95.0 |

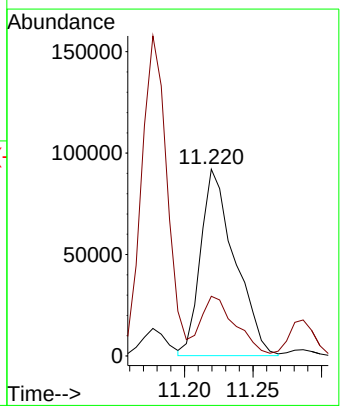


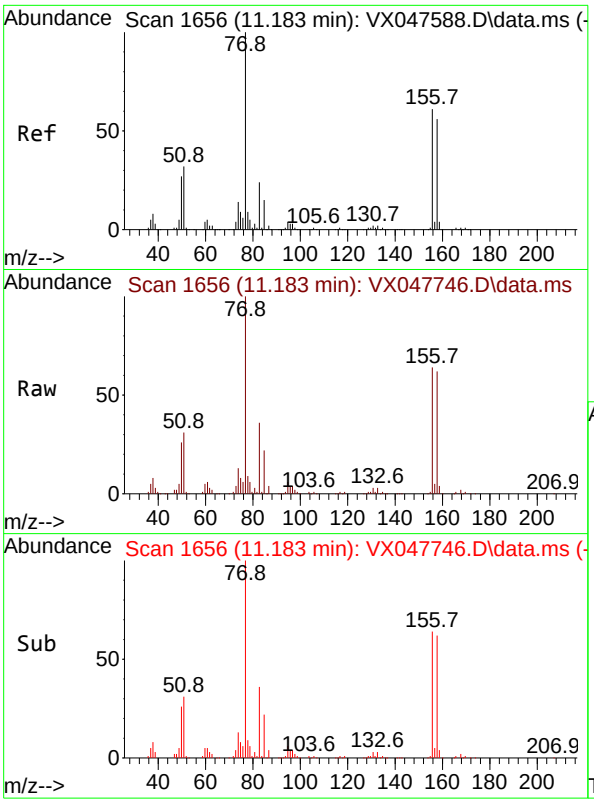




#76
1,2,3-Trichloropropane
Concen: 64.854 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 160130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.8 | 18.8 | 56.4 |



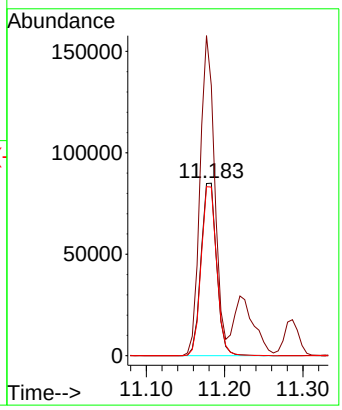


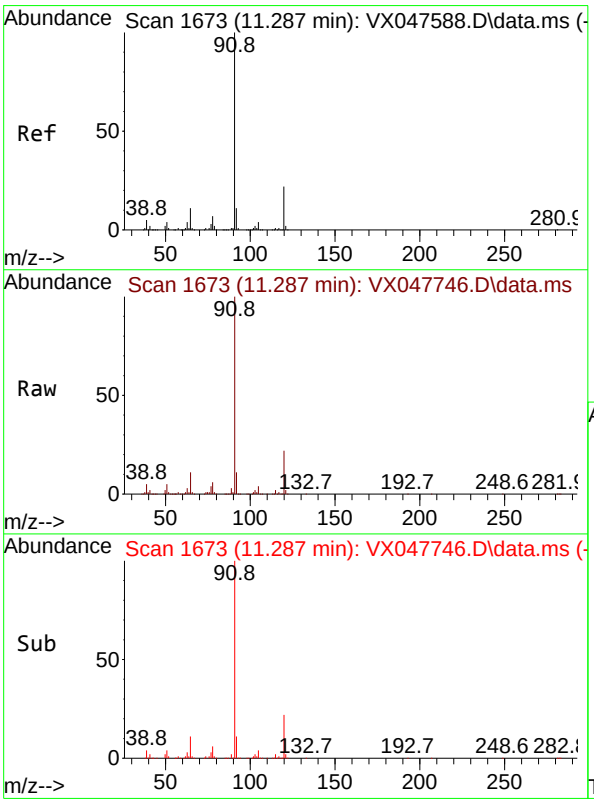

#77
Bromobenzene
Concen: 51.110 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:156 Resp: 116706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 174.8 | 89.7 | 269.1 |
| 158 | 98.2 | 47.9 | 143.6 |

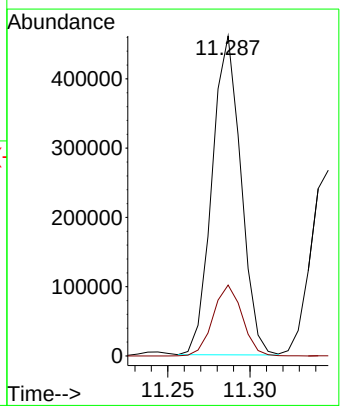


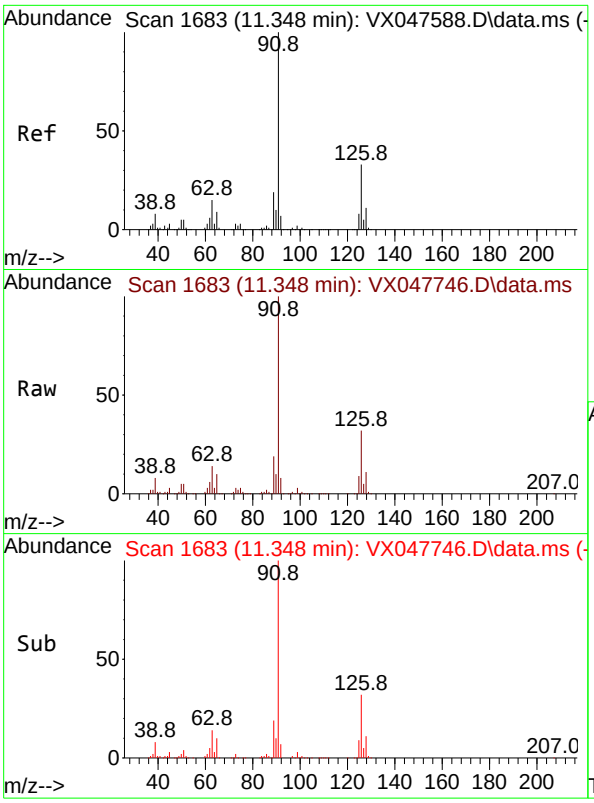




#78
n-propylbenzene
Concen: 51.387 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 563194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.4 | 11.1 | 33.1 |



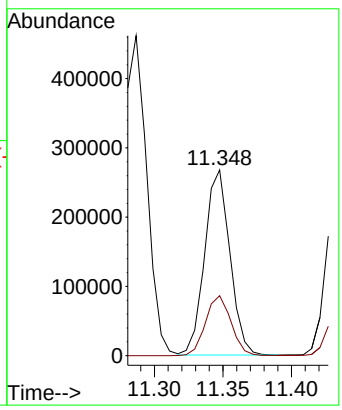


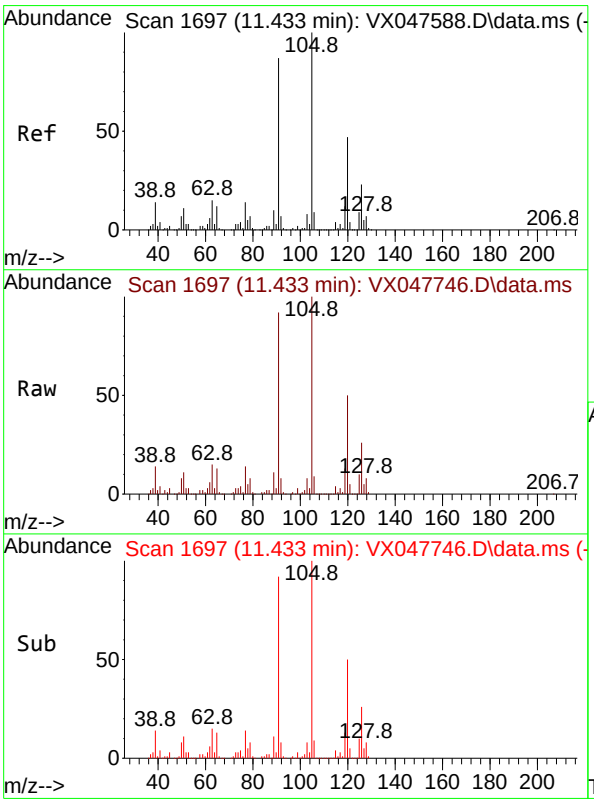

#79
2-Chlorotoluene
Concen: 50.938 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 341925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |

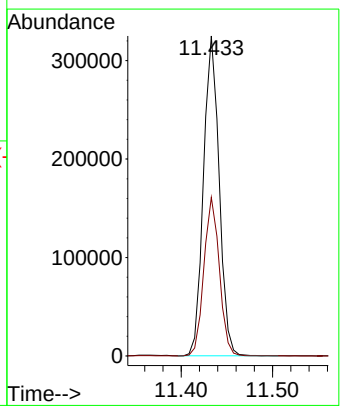


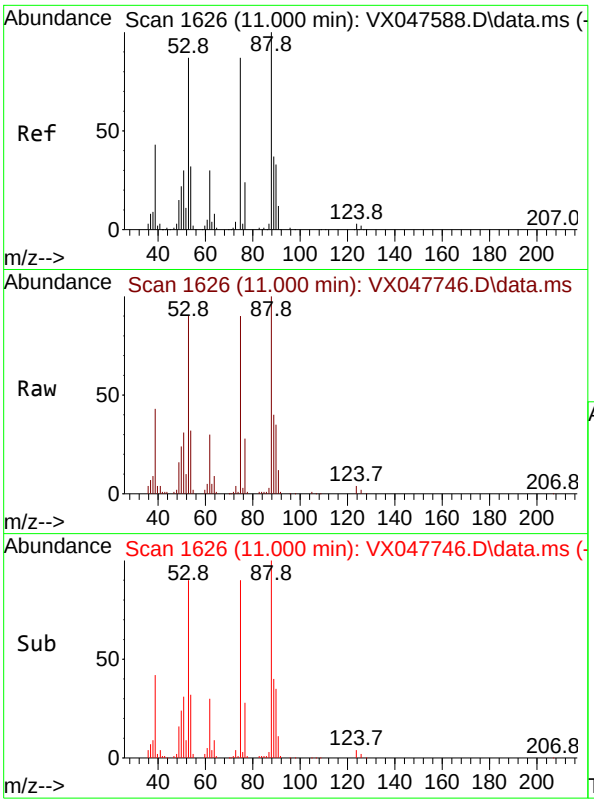




#80
1,3,5-Trimethylbenzene
Concen: 50.669 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 385950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 49.0 | 23.6 | 70.8 |



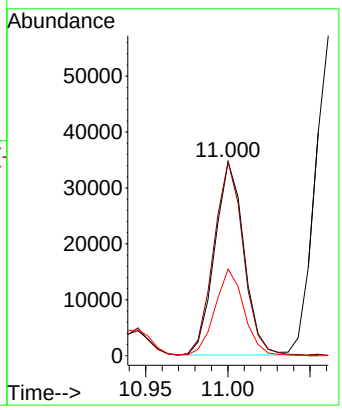


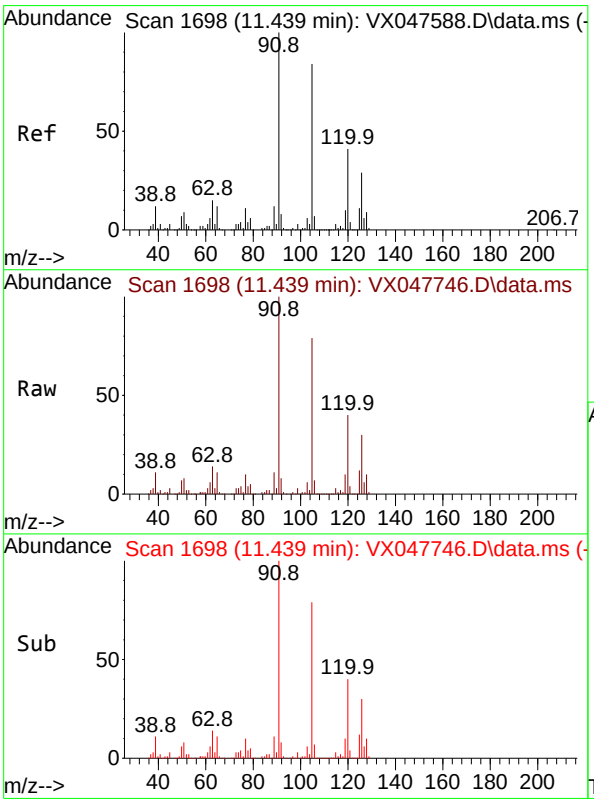

#81
trans-1,4-Dichloro-2-butene
Concen: 44.142 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 75 Resp: 42739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 101.7 | 83.4 | 125.2 |
| 89 | 44.8 | 36.3 | 54.5 |

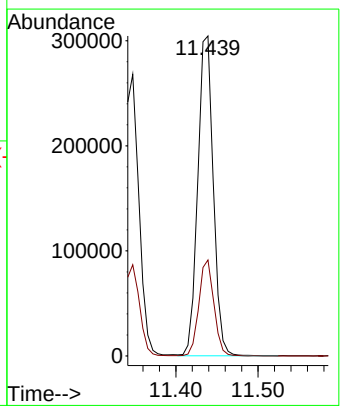


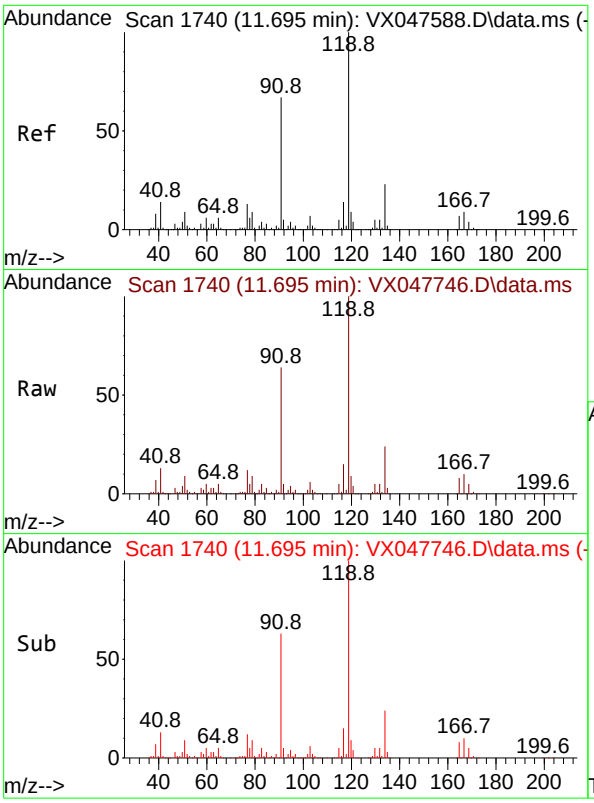




#82
4-Chlorotoluene
Concen: 50.313 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 91 Resp: 398881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.2 | 42.6 |



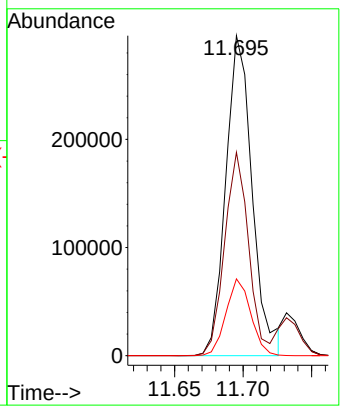


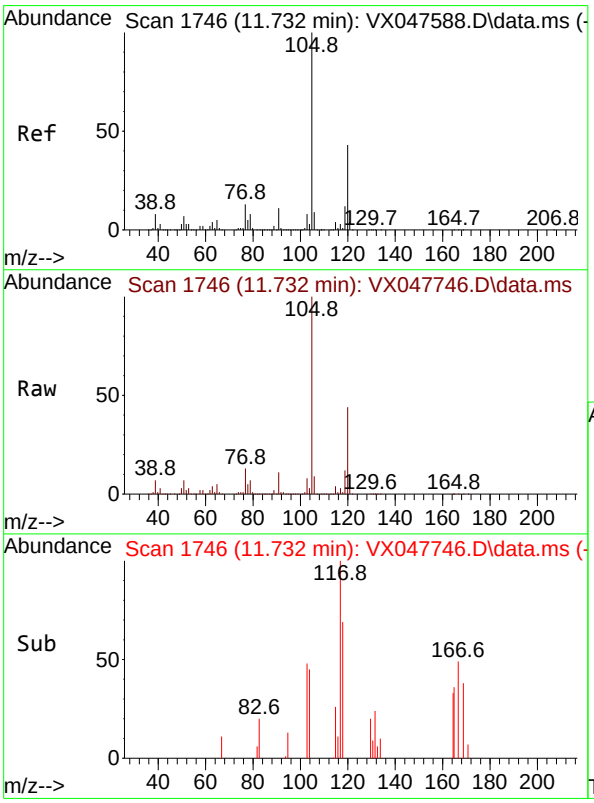

#83
tert-Butylbenzene
Concen: 50.936 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:119 Resp: 397171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 57.9 | 29.6 | 88.8 |
| 134 | 22.6 | 11.0 | 33.0 |

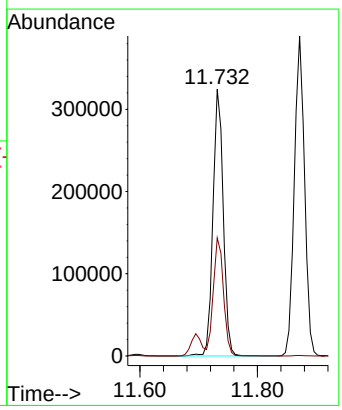


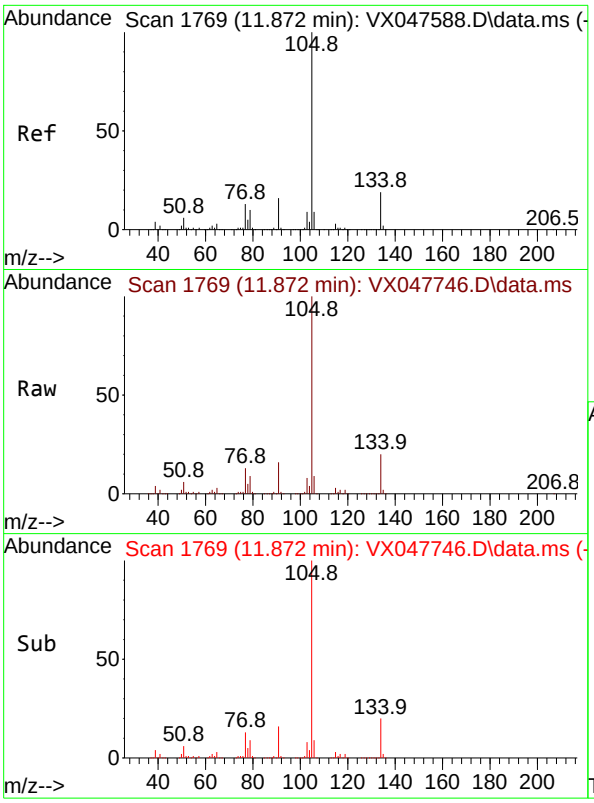




#84
1,2,4-Trimethylbenzene
Concen: 51.085 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:105 Resp: 394508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.7 | 22.1 | 66.1 |



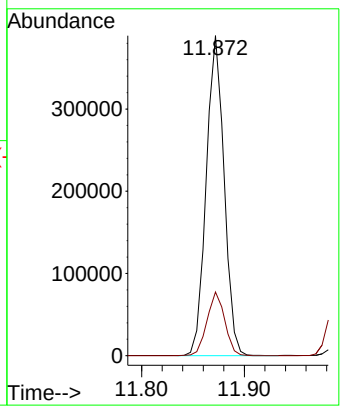


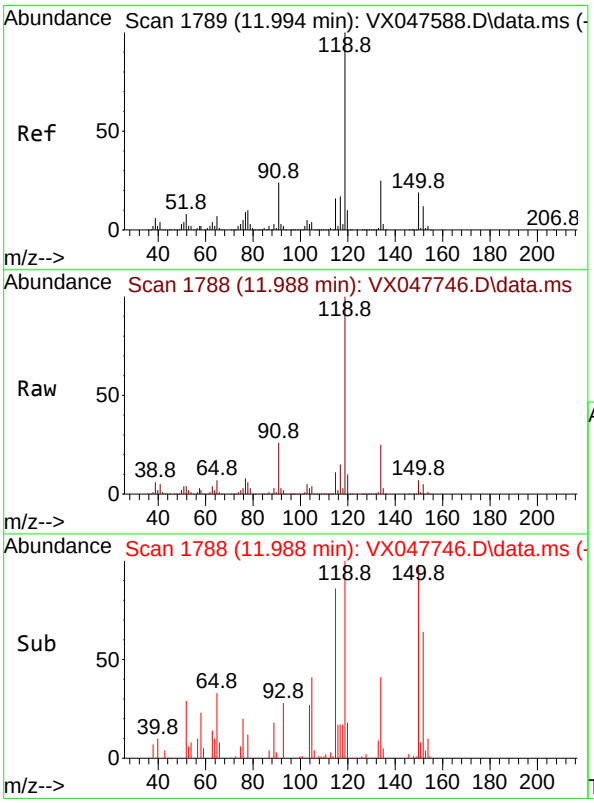

#85
sec-Butylbenzene
Concen: 50.945 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:105 Resp: 471850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

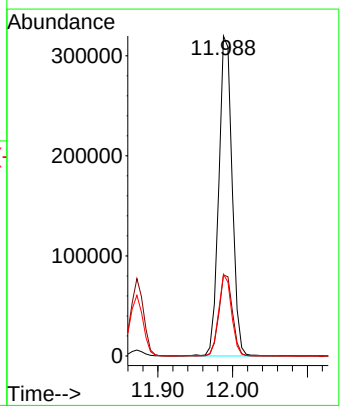


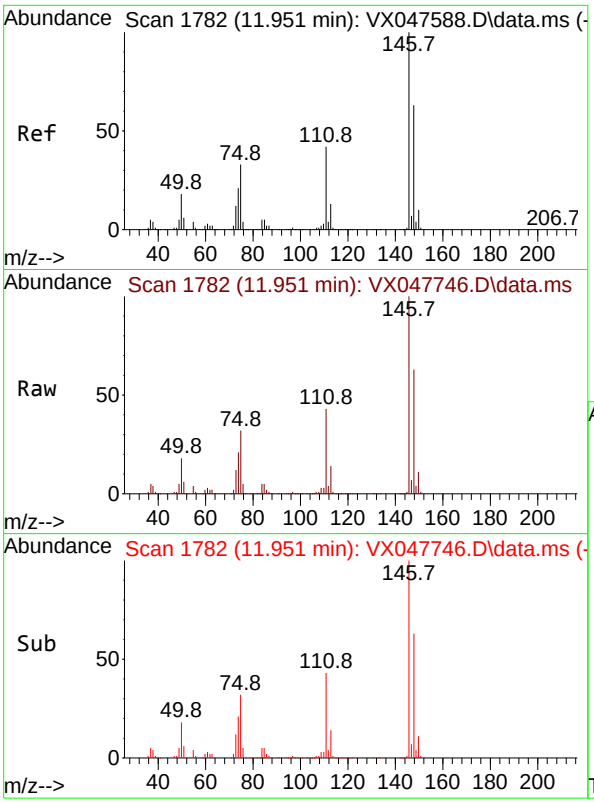




#86
p-Isopropyltoluene
Concen: 50.687 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:119 Resp: 397440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.7 | 12.6 | 37.8 |
| 91 | 24.8 | 12.6 | 37.6 |



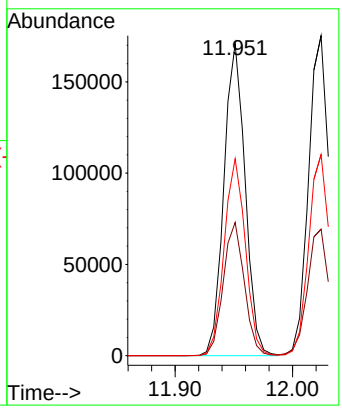


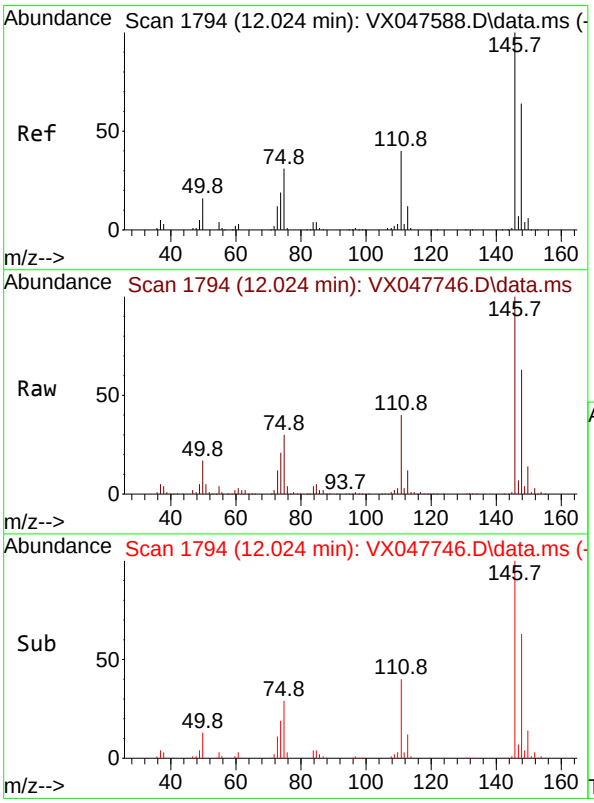

#87
1,3-Dichlorobenzene
Concen: 50.618 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 214686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.4 | 21.5 | 64.5 |
| 148 | 63.2 | 32.0 | 96.0 |

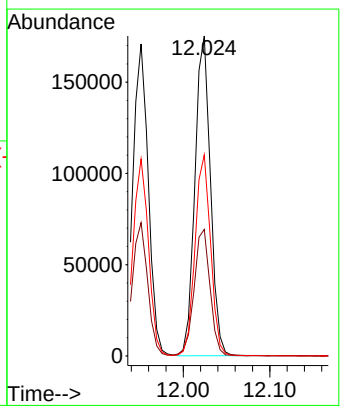


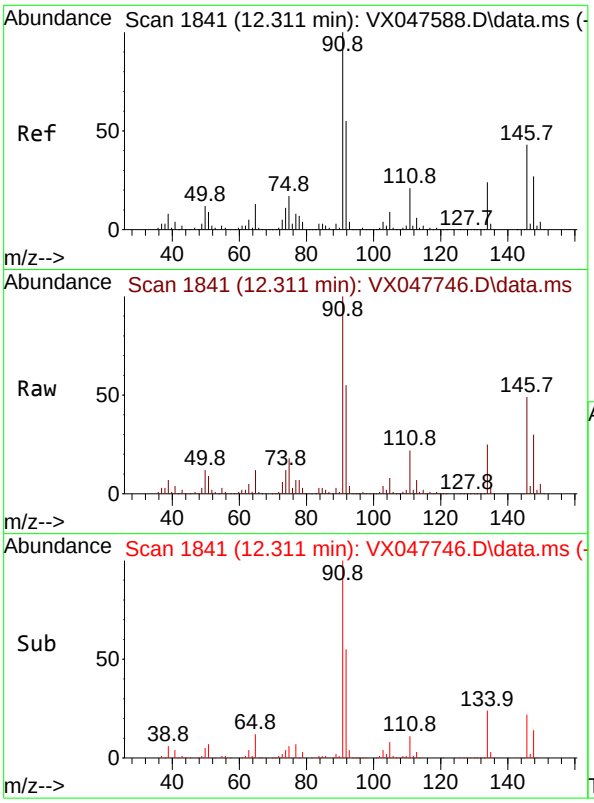




#88
1,4-Dichlorobenzene
Concen: 50.100 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:146 Resp: 218086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 40.7 | 20.8 | 62.4 |
| 148 | 63.3 | 31.7 | 95.1 |



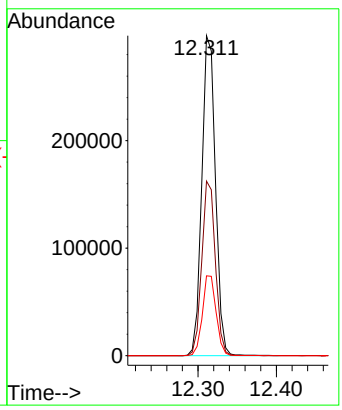


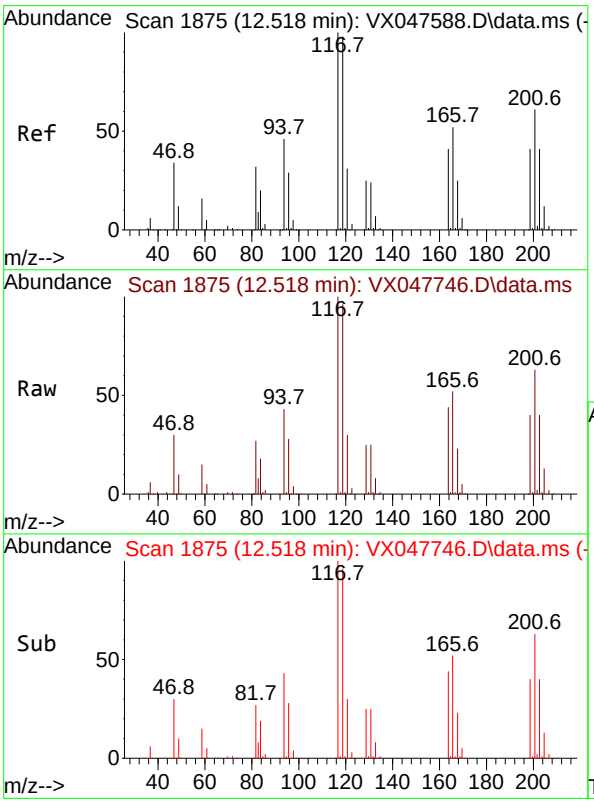

#89
n-Butylbenzene
Concen: 49.578 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion: 91 Resp: 359706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.4 | 27.6 | 82.7 |
| 134 | 25.1 | 12.6 | 37.8 |

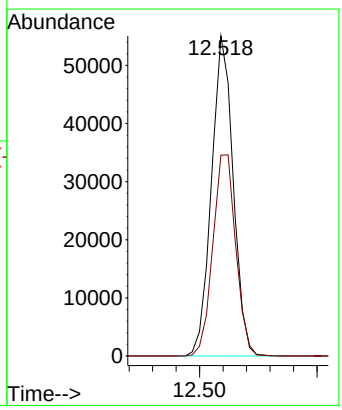


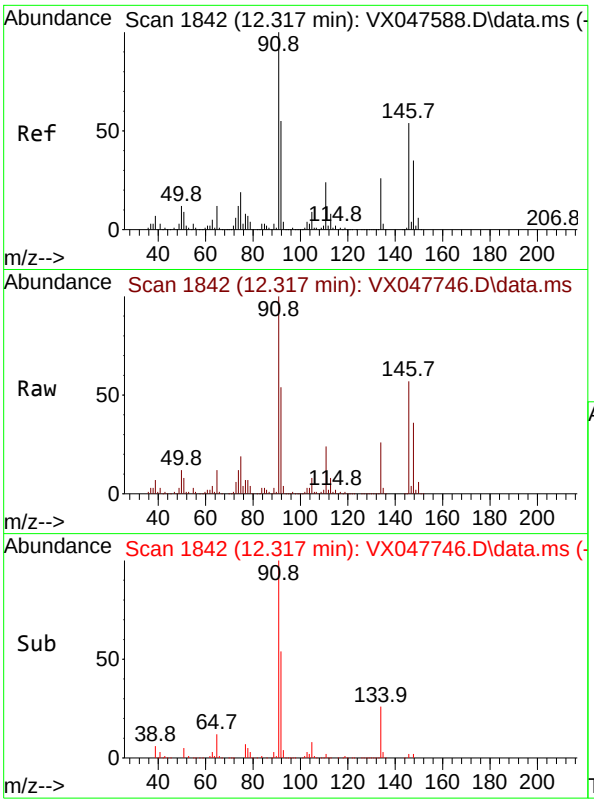




#90
Hexachloroethane
Concen: 51.284 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:117 Resp: 70601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 66.7 | 34.2 | 102.5 |



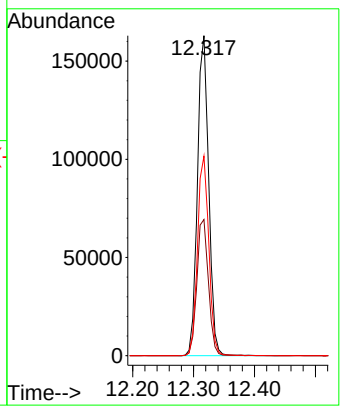


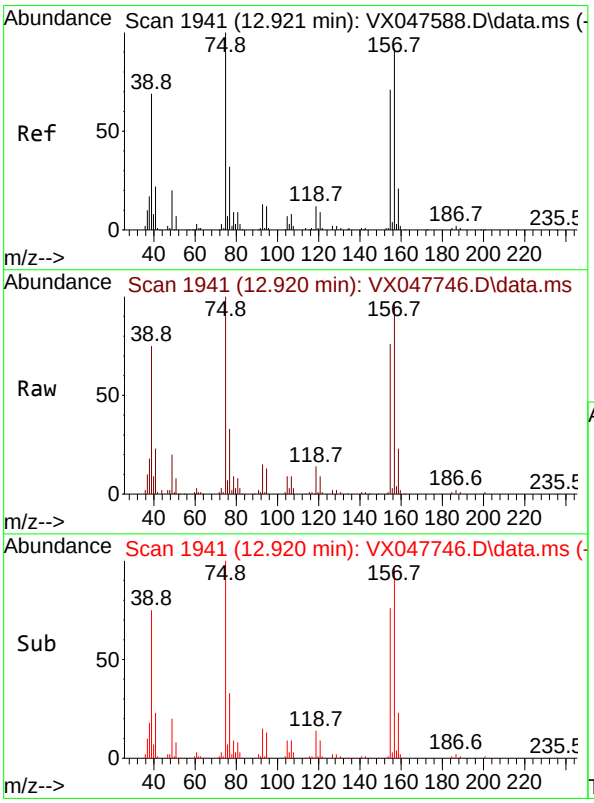

#91
1,2-Dichlorobenzene
Concen: 51.499 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:146 Resp: 208091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 22.2 | 66.6 |
| 148 | 62.8 | 31.8 | 95.4 |

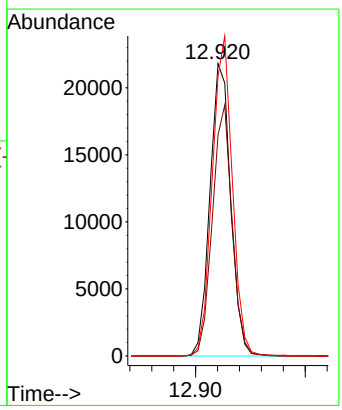


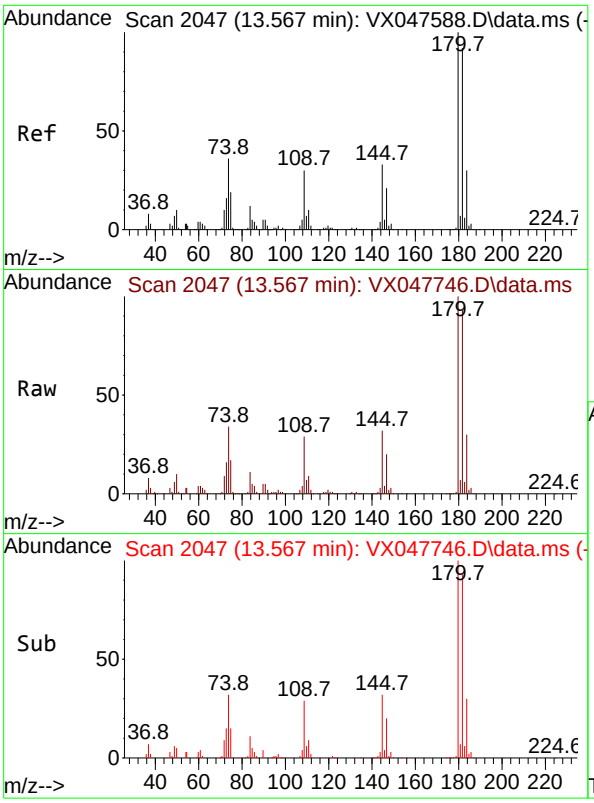




#92
1,2-Dibromo-3-Chloropropane
Concen: 50.279 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion: 75 Resp: 28554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.0 | 37.7 | 113.1 |
| 157 | 106.4 | 49.8 | 149.4 |



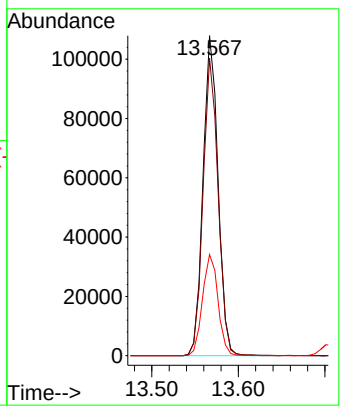


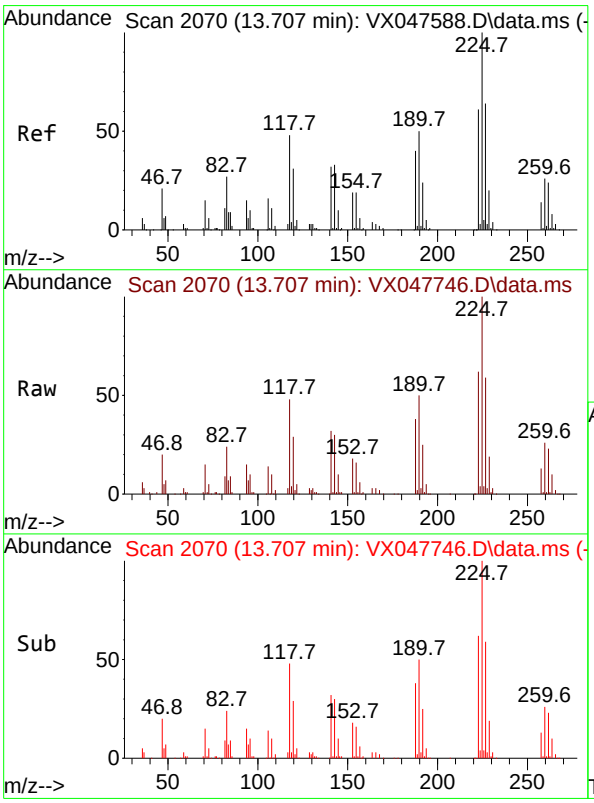

#93
1,2,4-Trichlorobenzene
Concen: 49.444 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:180 Resp: 129844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 93.1 | 46.6 | 139.8 |
| 145 | 32.6 | 16.4 | 49.1 |

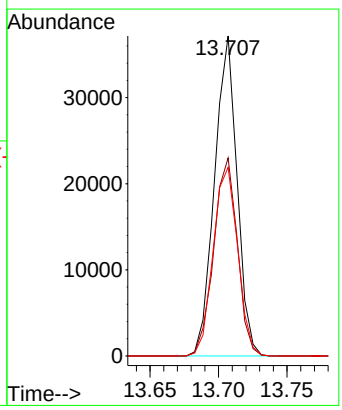


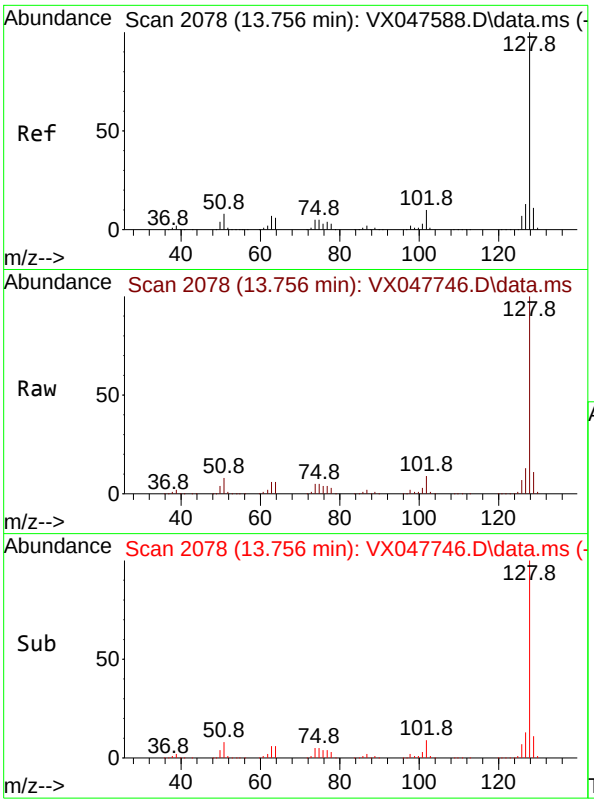




#94
Hexachlorobutadiene
Concen: 47.621 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:225 Resp: 42478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.7 | 31.7 | 95.1 |
| 227 | 64.0 | 32.0 | 96.0 |



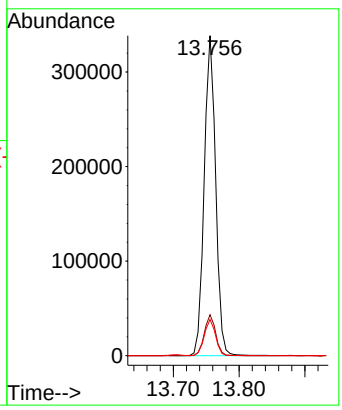


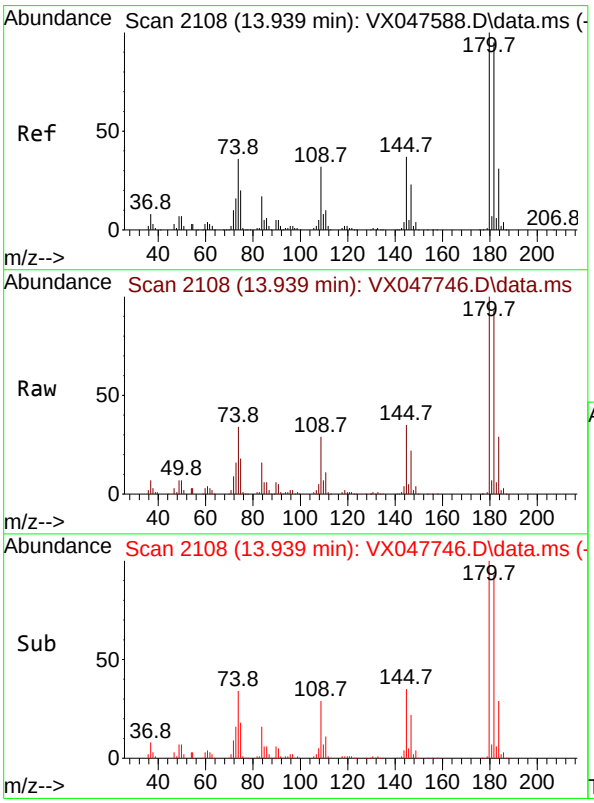

#95
Naphthalene
Concen: 51.297 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

Tgt Ion:128 Resp: 410203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 11.1 | 8.8 | 13.2 |

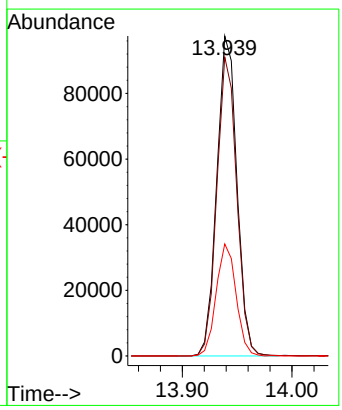



#96
1,2,3-Trichlorobenzene
Concen: 50.895 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047746.D
Acq: 24 Sep 2025 02:08

Tgt Ion:180 Resp: 124328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 92.7 | 47.6 | 142.8 |
| 145 | 34.6 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.544 | 168 | 156932 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 284011 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 253957 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 123765 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 122385 | 48.994 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 97.980% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 96590 | 50.711 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.420% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 333541 | 50.607 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 101.220% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 127747 | 51.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 102.140% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.173 | 85 | 38327 | 23.585 | ug/l | 98 |
| 3) Chloromethane | 1.301 | 50 | 46331 | 21.693 | ug/l | 95 |
| 4) Vinyl Chloride | 1.380 | 62 | 46862 | 22.415 | ug/l | 97 |
| 5) Bromomethane | 1.618 | 94 | 31202 | 23.536 | ug/l | 96 |
| 6) Chloroethane | 1.697 | 64 | 29347 | 21.002 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 64984 | 20.934 | ug/l | 98 |
| 8) Diethyl Ether | 2.136 | 74 | 25934 | 20.423 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 38130 | 21.007 | ug/l | 100 |
| 10) Methyl Iodide | 2.459 | 142 | 56731 | 20.040 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.941 | 59 | 29775 | 107.025 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 39463 | 21.165 | ug/l | 99 |
| 13) Acrolein | 2.239 | 56 | 25496 | 99.449 | ug/l | 99 |
| 14) Allyl chloride | 2.666 | 41 | 72907 | 18.949 | ug/l | 97 |
| 15) Acrylonitrile | 3.056 | 53 | 116513 | 113.065 | ug/l | 99 |
| 16) Acetone | 2.374 | 43 | 95237 | 87.685 | ug/l | 100 |
| 17) Carbon Disulfide | 2.514 | 76 | 106524 | 20.869 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 54144 | 22.400 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 140115 | 20.586 | ug/l | 100 |
| 20) Methylene Chloride | 2.788 | 84 | 47681 | 20.740 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 42881 | 21.362 | ug/l | 94 |
| 22) Diisopropyl ether | 3.751 | 45 | 155798 | 20.894 | ug/l # | 82 |
| 23) Vinyl Acetate | 3.715 | 43 | 617433 | 103.461 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 83274 | 21.012 | ug/l | 100 |
| 25) 2-Butanone | 4.544 | 43 | 144925 | 106.972 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 42968 | 13.043 | ug/l | 96 |
| 27) cis-1,2-Dichloroethene | 4.477 | 96 | 51366 | 20.894 | ug/l | 95 |
| 28) Bromochloromethane | 4.891 | 49 | 33021 | 19.085 | ug/l | 100 |
| 29) Tetrahydrofuran | 4.989 | 42 | 93114 | 114.248 | ug/l | 99 |
| 30) Chloroform | 5.087 | 83 | 85486 | 21.345 | ug/l | 96 |
| 31) Cyclohexane | 5.464 | 56 | 69116 | 20.939 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 71907 | 21.168 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 56214 | 20.197 | ug/l | 98 |
| 37) Ethyl Acetate | 4.702 | 43 | 63237 | 21.220 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 59490 | 19.672 | ug/l | 96 |
| 39) Methylcyclohexane | 7.367 | 83 | 63625 | 20.138 | ug/l | 94 |
| 40) Benzene | 6.025 | 78 | 176451 | 20.873 | ug/l | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 33379 | 21.696 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 65506 | 20.366 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.330 | 43 | 102233 | 20.917 | ug/l | | 99 |
| 44) Trichloroethene | 7.117 | 130 | 43438 | 21.254 | ug/l | | 88 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 45508 | 21.024 | ug/l | | 97 |
| 46) Dibromomethane | 7.568 | 93 | 32646 | 20.725 | ug/l | | 97 |
| 47) Bromodichloromethane | 7.806 | 83 | 67223 | 20.681 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.678 | 41 | 49967 | 20.524 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.653 | 88 | 12395 | 503.790 | ug/l | | 98 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 310191 | 114.468 | ug/l | | 100 |
| 52) Toluene | 8.702 | 92 | 109881 | 21.098 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 62267 | 18.780 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 67811 | 19.135 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.135 | 97 | 43533 | 21.677 | ug/l | | 98 |
| 56) Ethyl methacrylate | 9.104 | 69 | 67219 | 21.313 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 74746 | 21.667 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 148860 | 105.735 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 217174 | 111.587 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.506 | 129 | 48986 | 21.170 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 45047 | 22.022 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.256 | 164 | 35498 | 21.442 | ug/l | | 100 |
| 65) Chlorobenzene | 10.061 | 112 | 119644 | 20.738 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131 | 41811 | 21.001 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 206630 | 20.757 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 156597 | 42.264 | ug/l | | 98 |
| 69) o-Xylene | 10.622 | 106 | 75062 | 20.945 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 129679 | 20.651 | ug/l | | 99 |
| 71) Bromoform | 10.781 | 173 | 31001 | 20.854 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 193342 | 20.548 | ug/l | | 100 |
| 74) N-amyl acetate | 10.829 | 43 | 88563 | 20.640 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 61446 | 21.584 | ug/l | | 97 |
| 76) 1,2,3-Trichloropropane | 11.220 | 75 | 66910 | 26.701 | ug/l | | 90 |
| 77) Bromobenzene | 11.183 | 156 | 48182 | 20.791 | ug/l | | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 228489 | 20.542 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.348 | 91 | 140664 | 20.647 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 160516 | 20.764 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 15843 | 16.123 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 166032 | 20.635 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 160239 | 20.248 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 161967 | 20.665 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 196176 | 20.870 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 161751 | 20.326 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 88665 | 20.598 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 90738 | 20.539 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.311 | 91 | 148126 | 20.116 | ug/l | | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 28222 | 20.199 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 84704 | 20.655 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.927 | 75 | 11756 | 20.397 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 52777 | 19.802 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 18191 | 20.094 | ug/l | | 98 |
| 95) Naphthalene | 13.756 | 128 | 164732 | 20.298 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.939 | 180 | 51341 | 20.708 | ug/l | | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

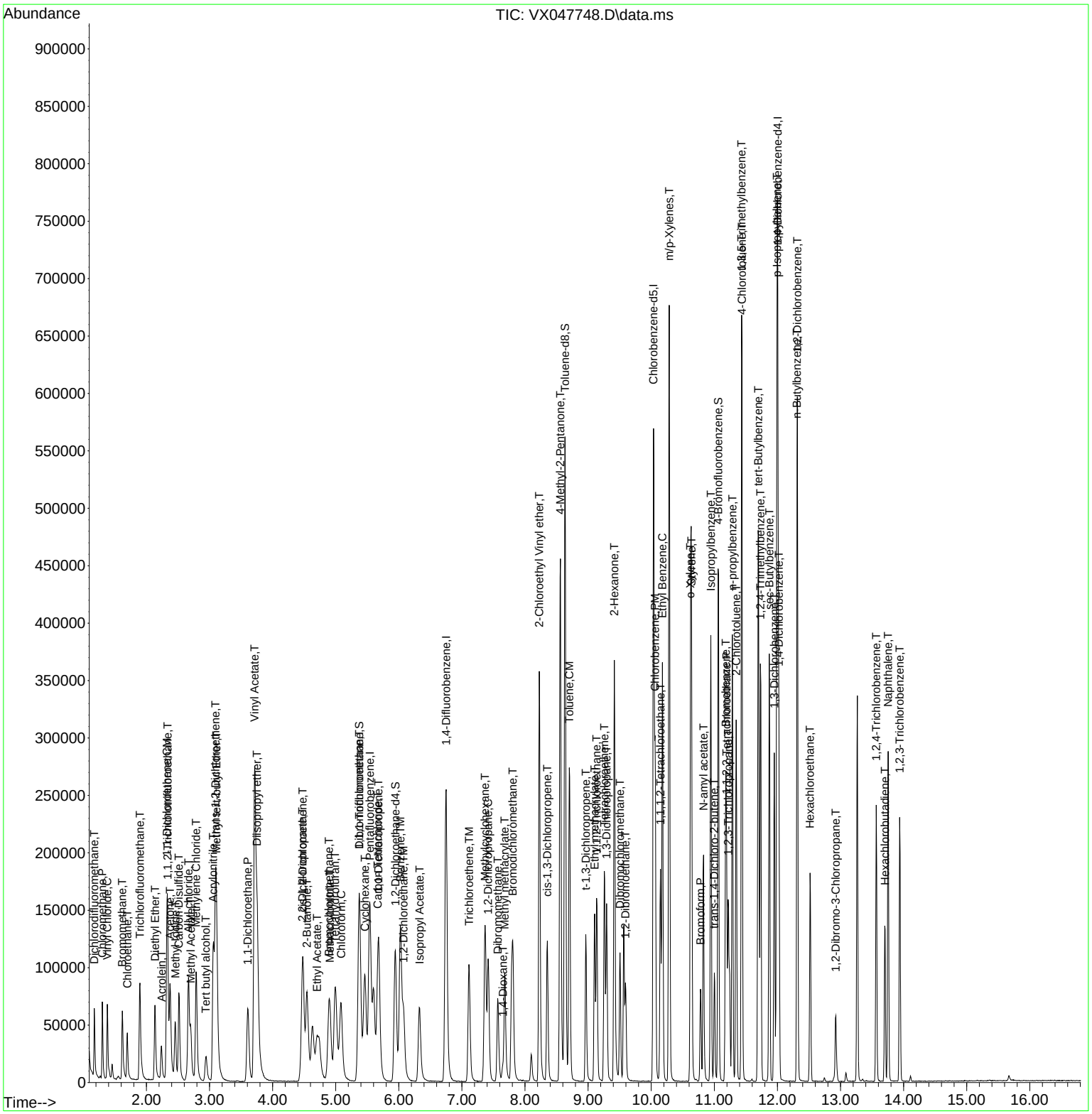
(#) = qualifier out of range (m) = manual integration (+) = signals summed

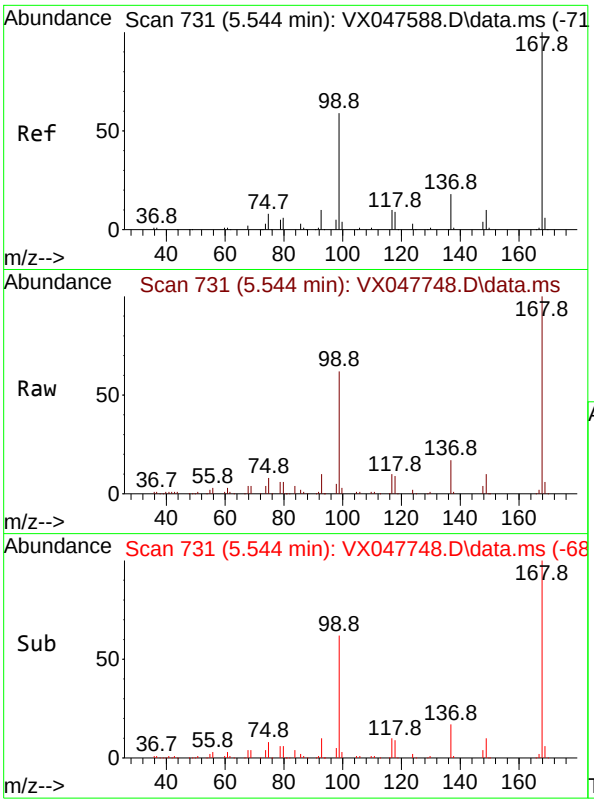
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047748.D
Acq On : 24 Sep 2025 03:53
Operator : JC/MD
Sample : VX0923WBS03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Quant Time: Sep 24 05:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



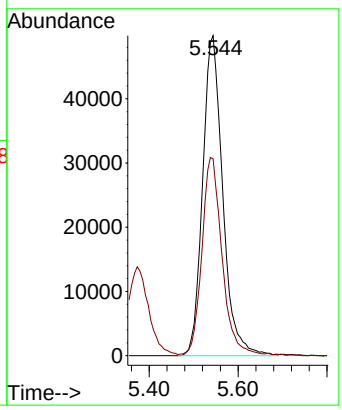


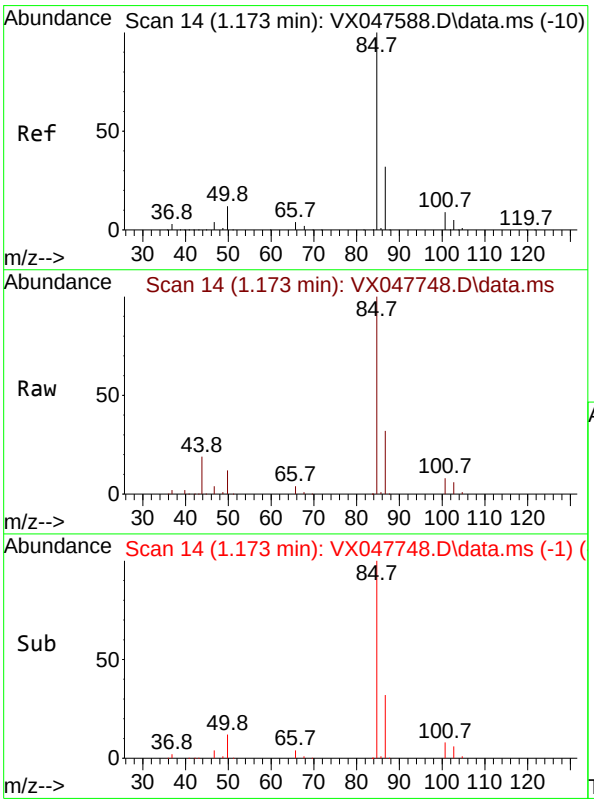

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:168 Resp: 156932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.3 | 48.8 | 73.2 |

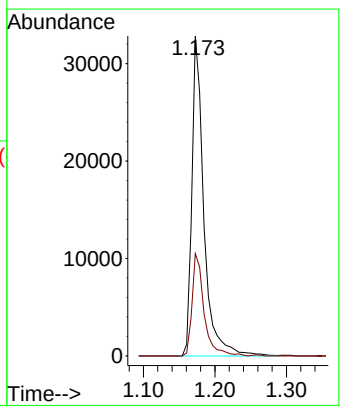


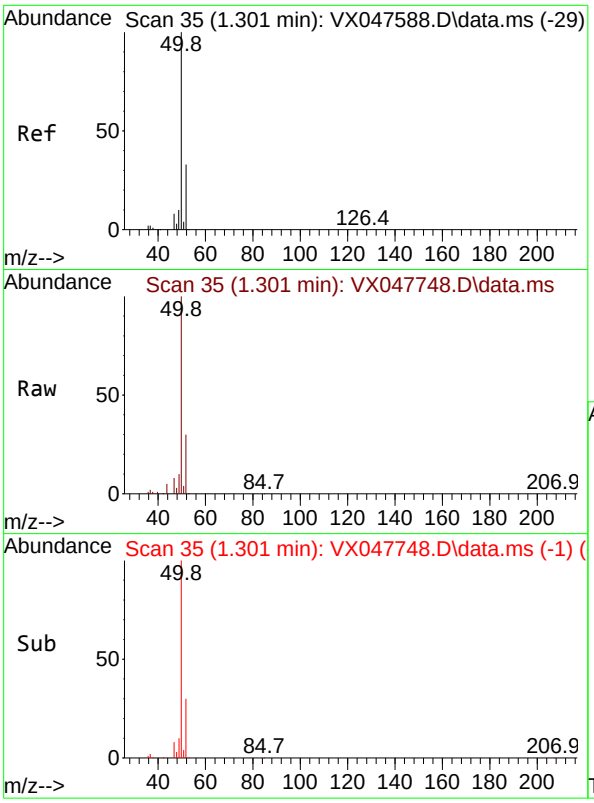




#2
Dichlorodifluoromethane
Concen: 23.585 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 85 Resp: 38327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.4 | 15.8 | 47.3 |



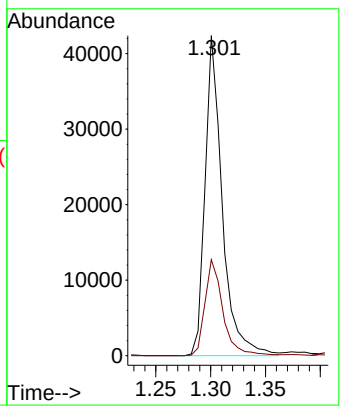


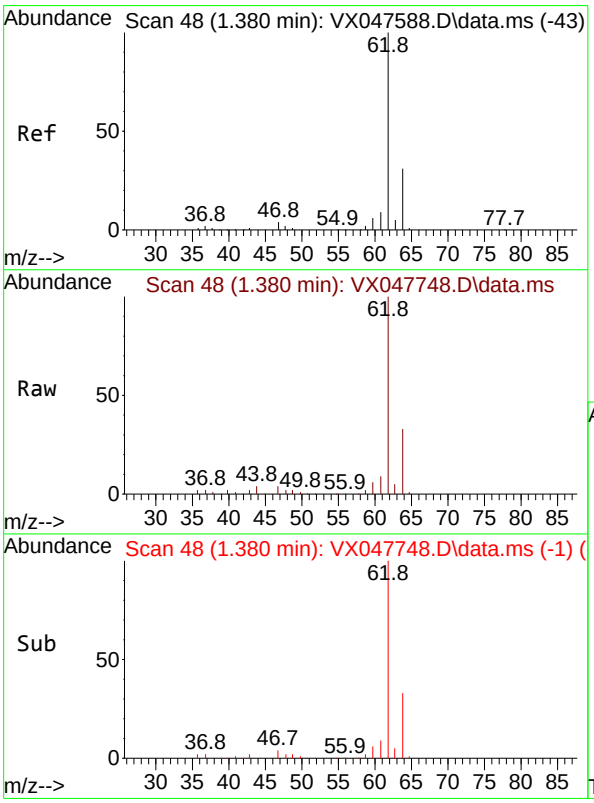

#3
Chloromethane
Concen: 21.693 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 50 Resp: 46331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 30.0 | 26.1 | 39.1 |

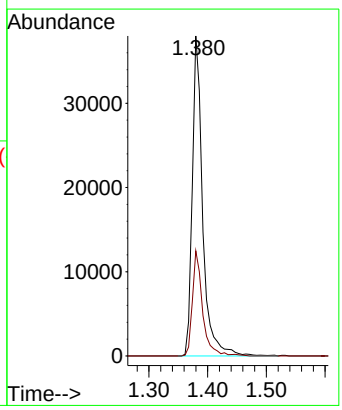


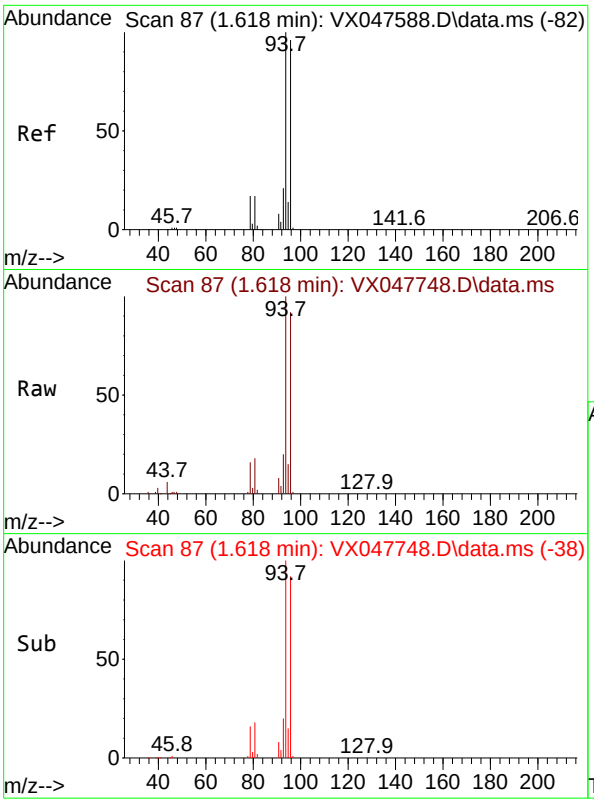




#4
Vinyl Chloride
Concen: 22.415 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 62 Resp: 46862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.9 | 24.9 | 37.3 |



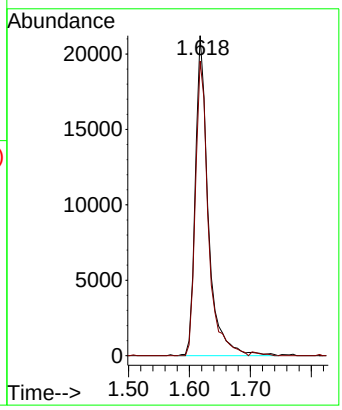


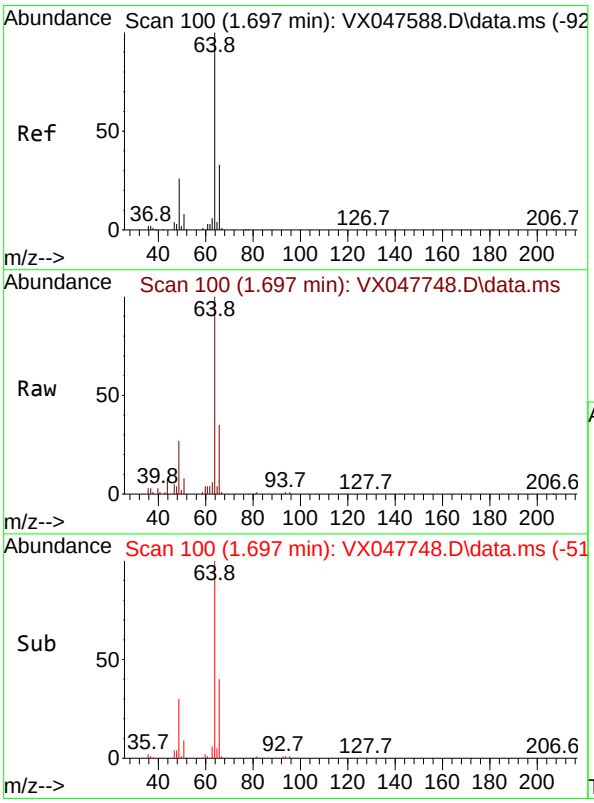

#5
Bromomethane
Concen: 23.536 ug/l
RT: 1.618 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 94 Resp: 31202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 92.0 | 76.6 | 115.0 |

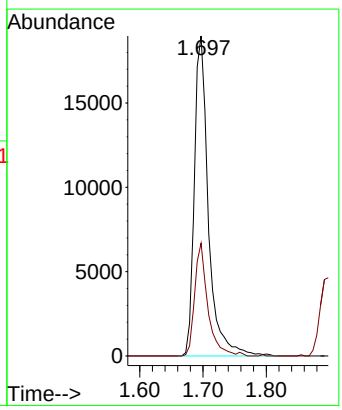


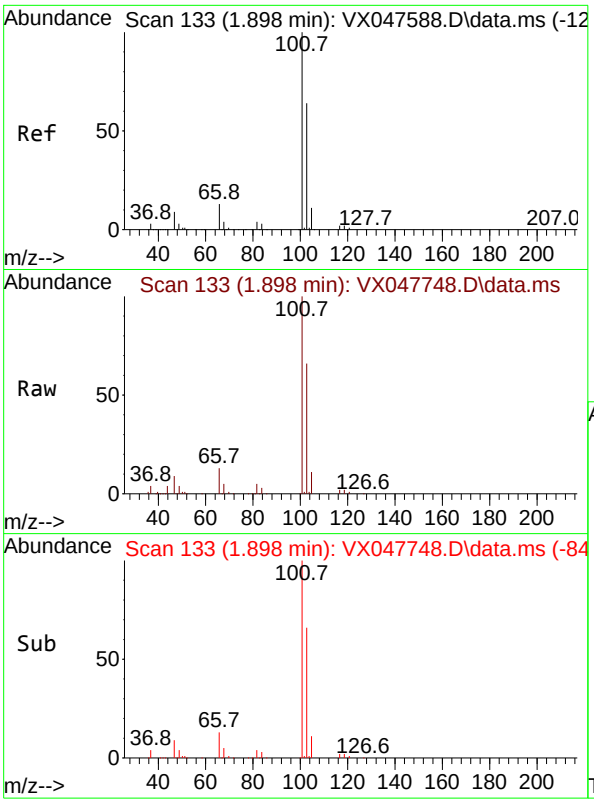




#6
Chloroethane
Concen: 21.002 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 64 Resp: 29347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 35.2 | 26.1 | 39.1 |



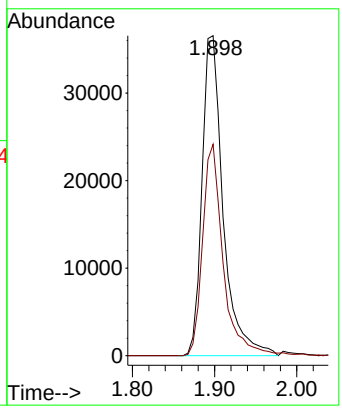


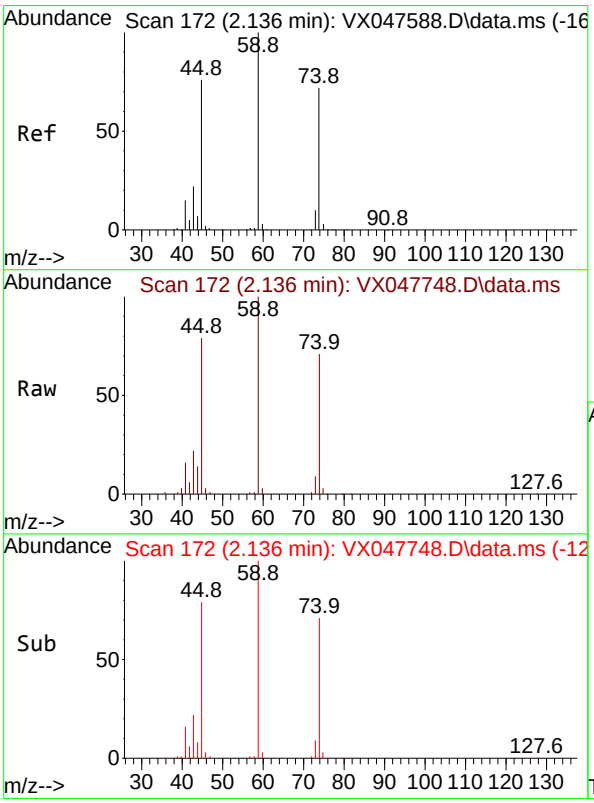

#7
Trichlorofluoromethane
Concen: 20.934 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:101 Resp: 64984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 66.1 | 51.4 | 77.2 |

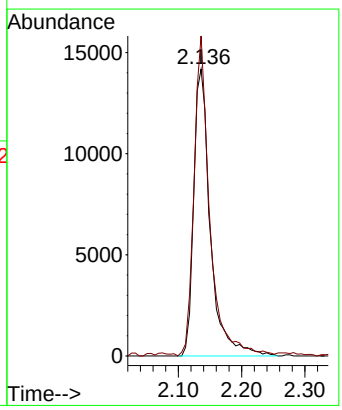


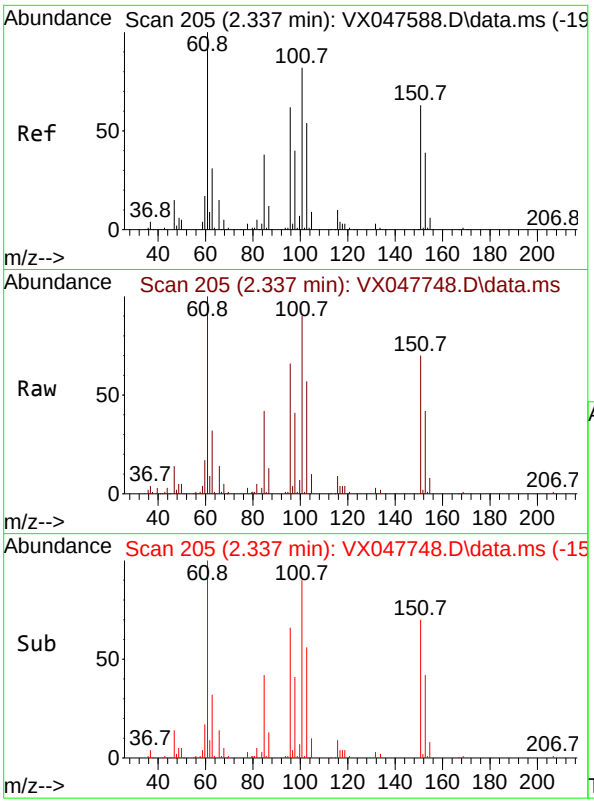




#8
Diethyl Ether
Concen: 20.423 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 74 Resp: 25934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 106.7 | 52.3 | 156.8 |



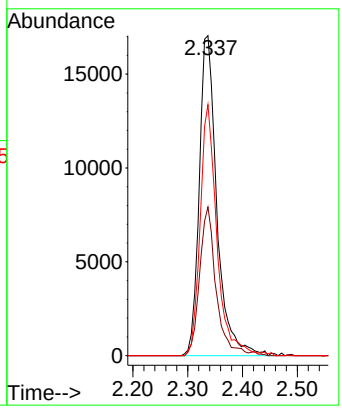


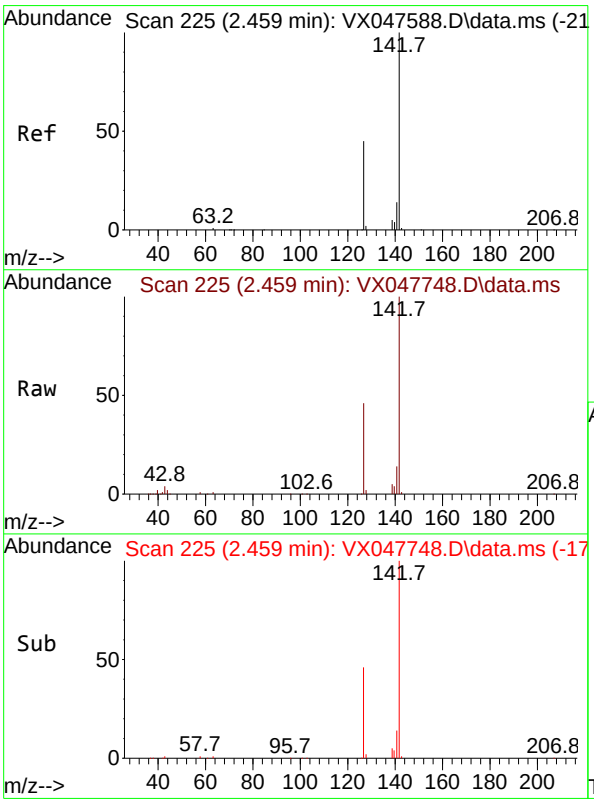

#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.007 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:101 Resp: 38130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 43.8 | 35.5 | 53.3 |
| 151 | 74.3 | 59.4 | 89.0 |

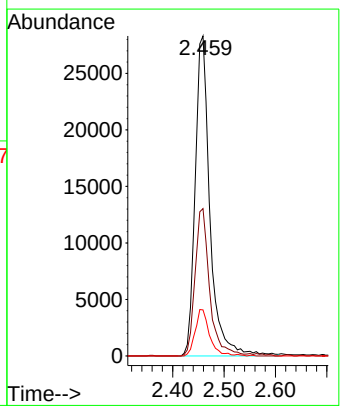


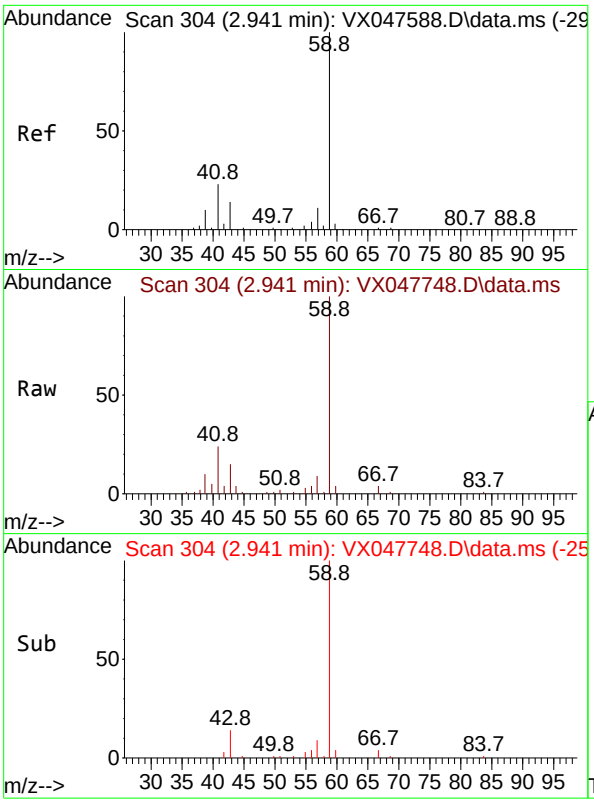




#10
Methyl Iodide
Concen: 20.040 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:142 Resp: 56731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 45.4 | 37.2 | 55.8 |
| 141 | 13.9 | 11.4 | 17.0 |



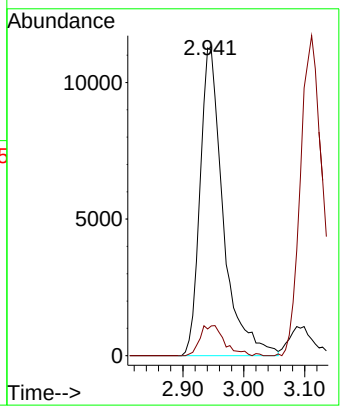


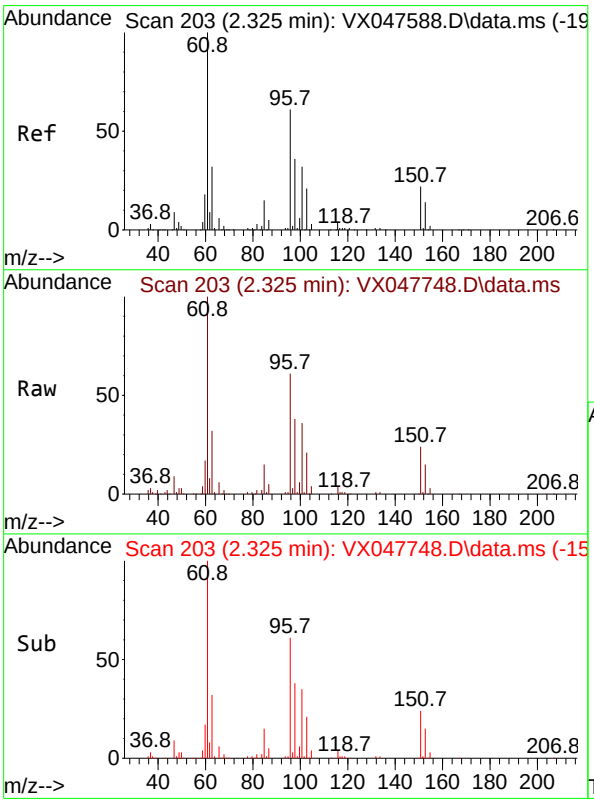

#11
Tert butyl alcohol
Concen: 107.025 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 59 Resp: 29775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.3 | 8.3 | 12.5 |

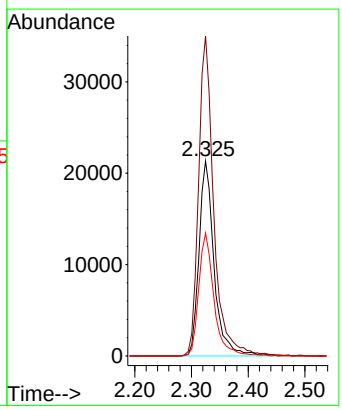


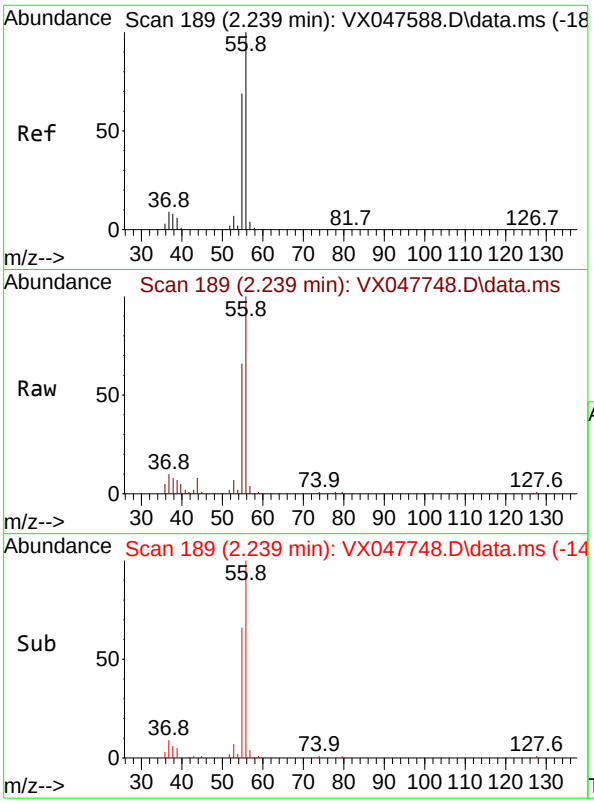




#12
1,1-Dichloroethene
Concen: 21.165 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 96 Resp: 39463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 164.2 | 131.0 | 196.6 |
| 98 | 63.1 | 47.7 | 71.5 |



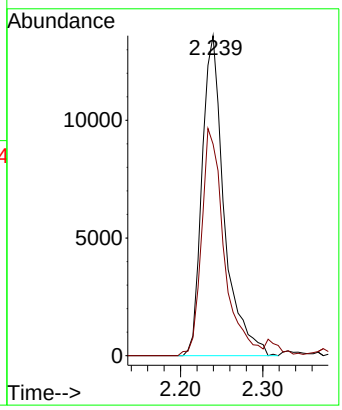


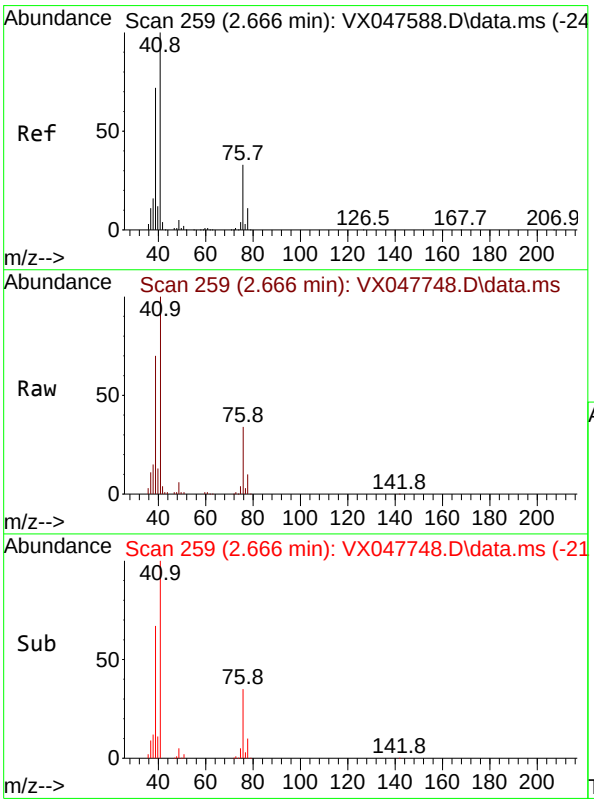

#13
Acrolein
Concen: 99.449 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 56 Resp: 25496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 72.0 | 57.2 | 85.8 |

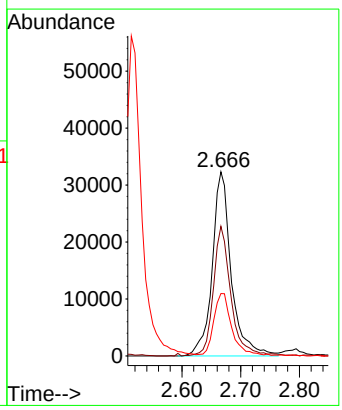


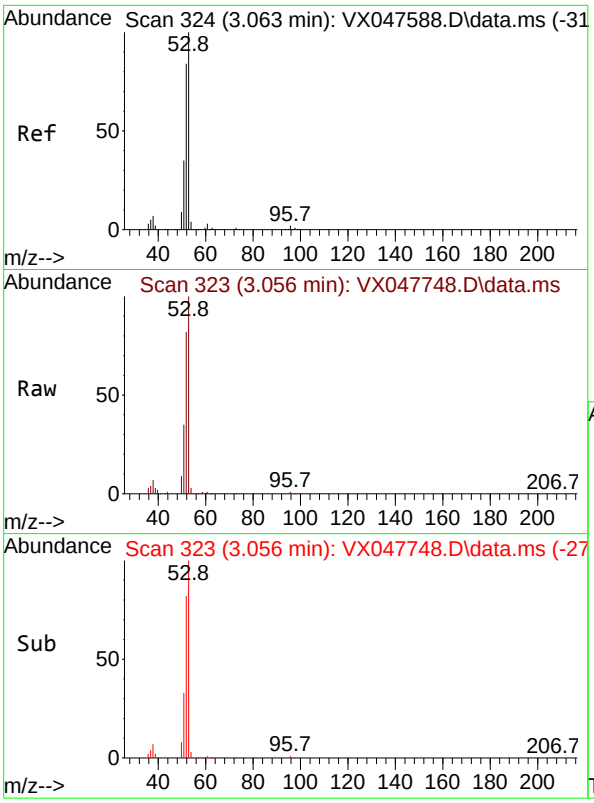




#14
Allyl chloride
Concen: 18.949 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 41 Resp: 72907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.0 | 54.7 | 82.1 |
| 76 | 31.9 | 25.7 | 38.5 |



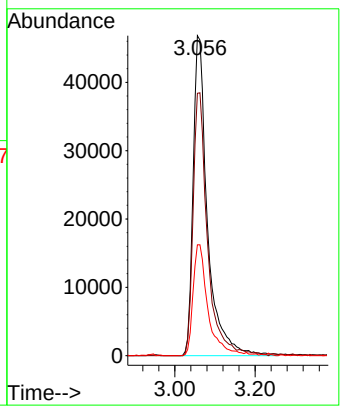


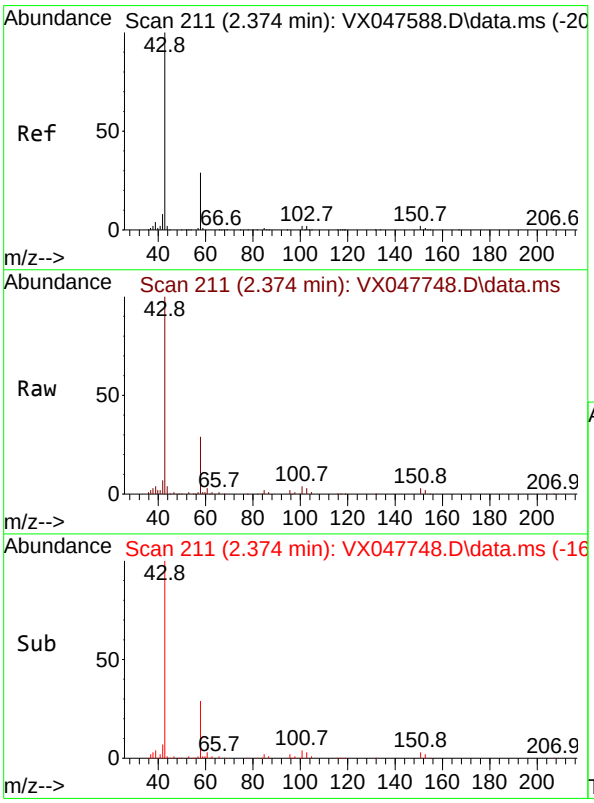

#15
Acrylonitrile
Concen: 113.065 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 53 Resp: 116513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.5 | 66.4 | 99.6 |
| 51 | 36.5 | 29.5 | 44.3 |

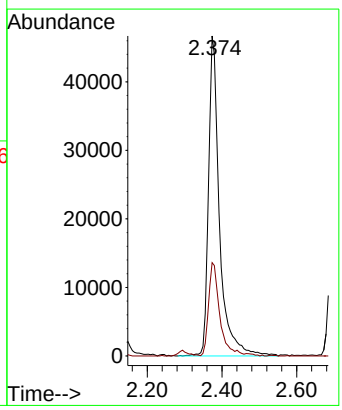


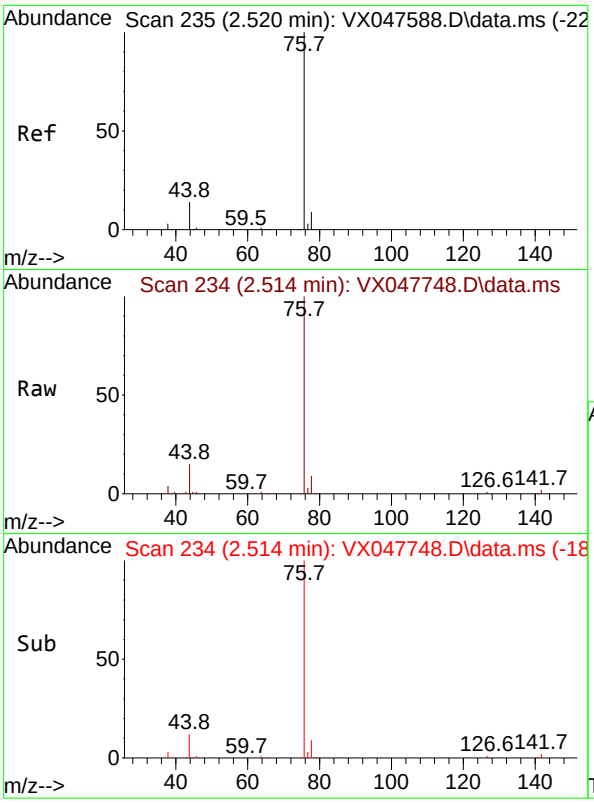




#16
Acetone
Concen: 87.685 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 95237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.1 | 23.4 | 35.0 |



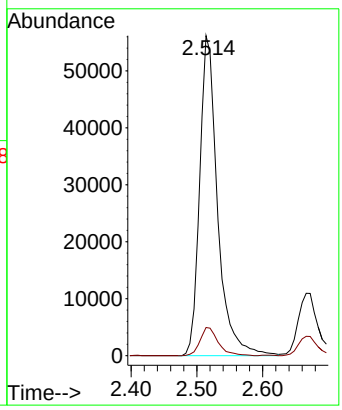


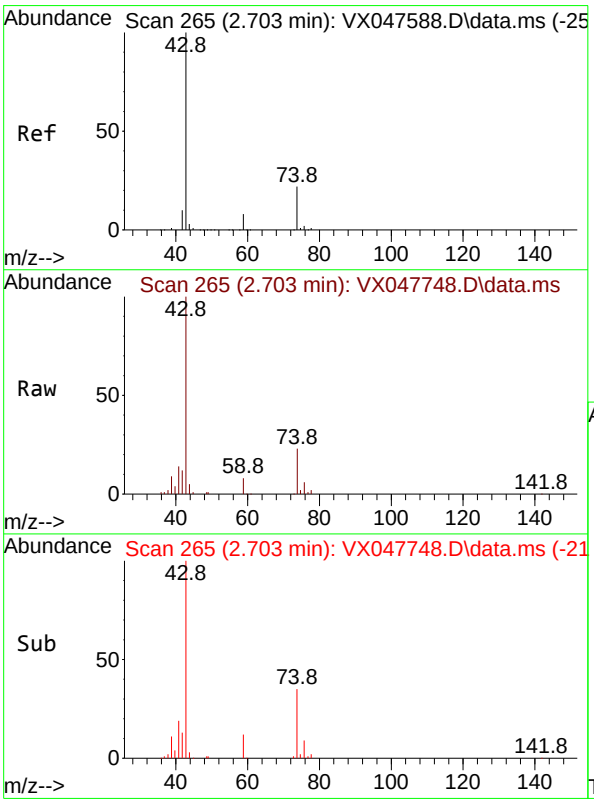

#17
Carbon Disulfide
Concen: 20.869 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 76 Resp: 106524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 9.0 | 6.8 | 10.2 |

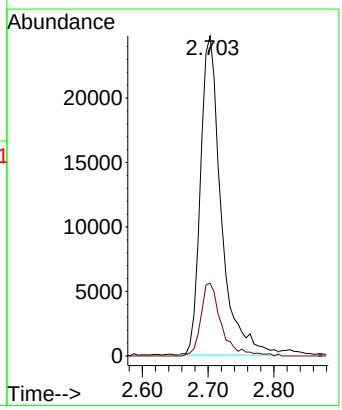


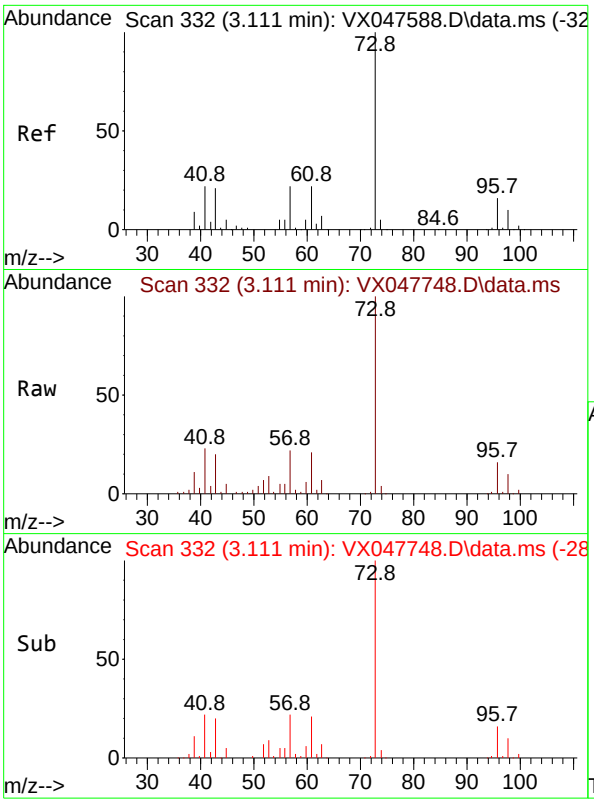




#18
Methyl Acetate
Concen: 22.400 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 54144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.6 | 17.4 | 26.2 |



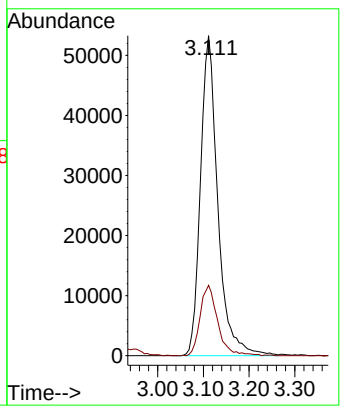


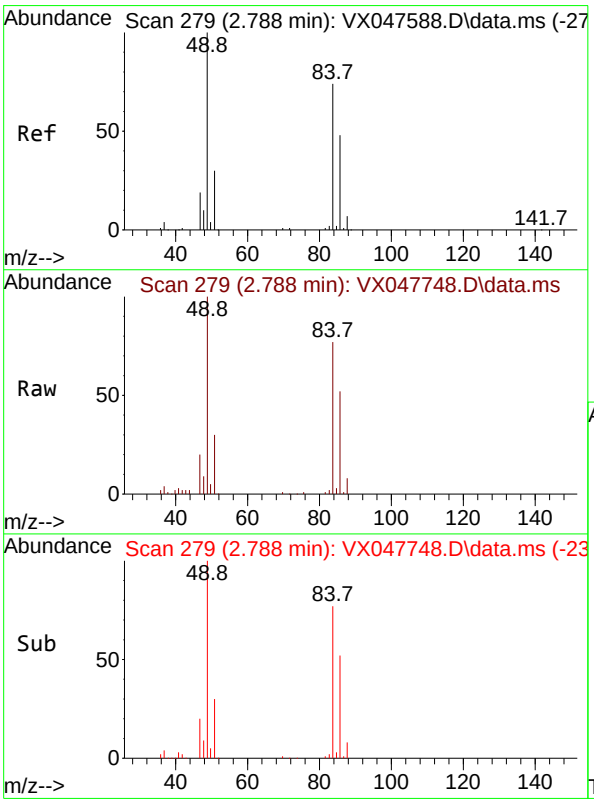

#19
Methyl tert-butyl Ether
Concen: 20.586 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 73 Resp: 140115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.0 | 17.4 | 26.2 |

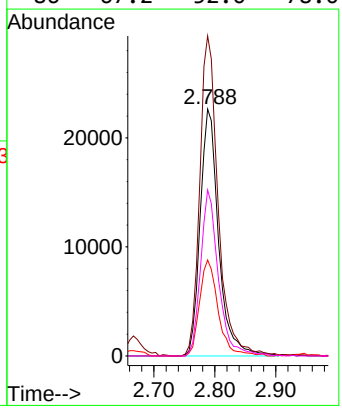


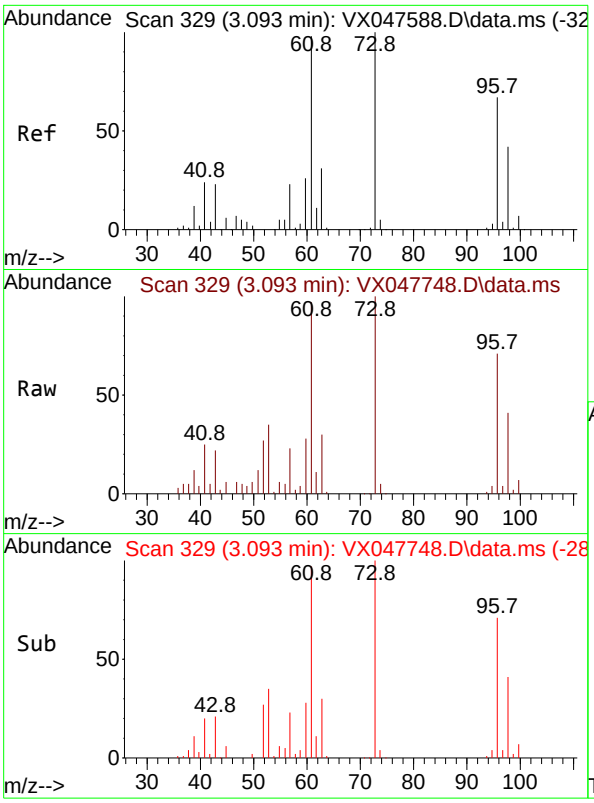




#20
Methylene Chloride
Concen: 20.740 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 84 Resp: 47681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 129.6 | 108.6 | 162.8 |
| 51 | 38.9 | 32.6 | 48.8 |
| 86 | 67.2 | 52.0 | 78.0 |



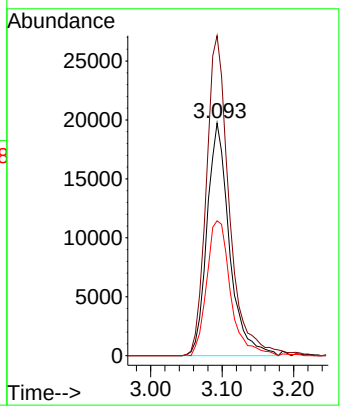


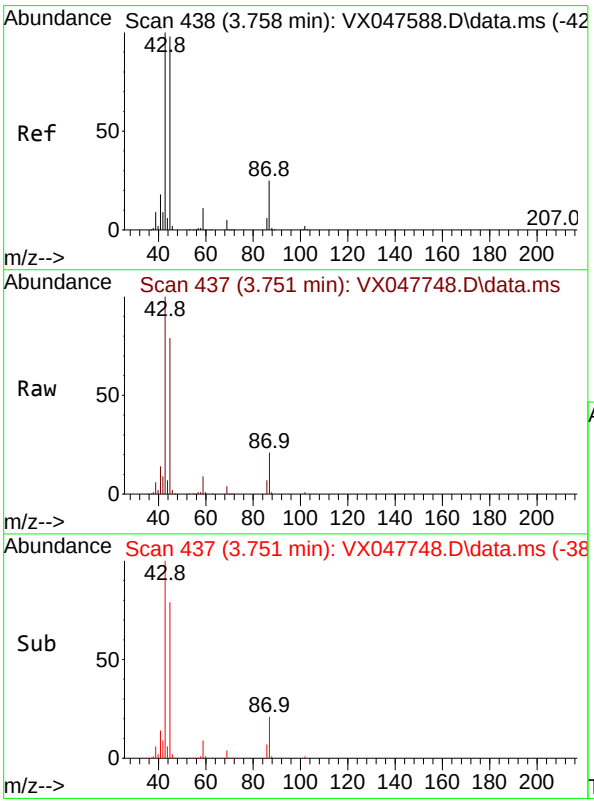

#21
trans-1,2-Dichloroethene
Concen: 21.362 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 96 Resp: 42881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 137.6 | 116.2 | 174.2 |
| 98 | 58.0 | 49.3 | 73.9 |

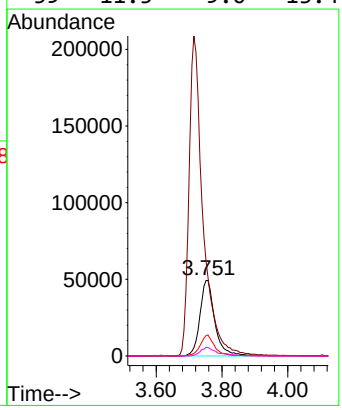


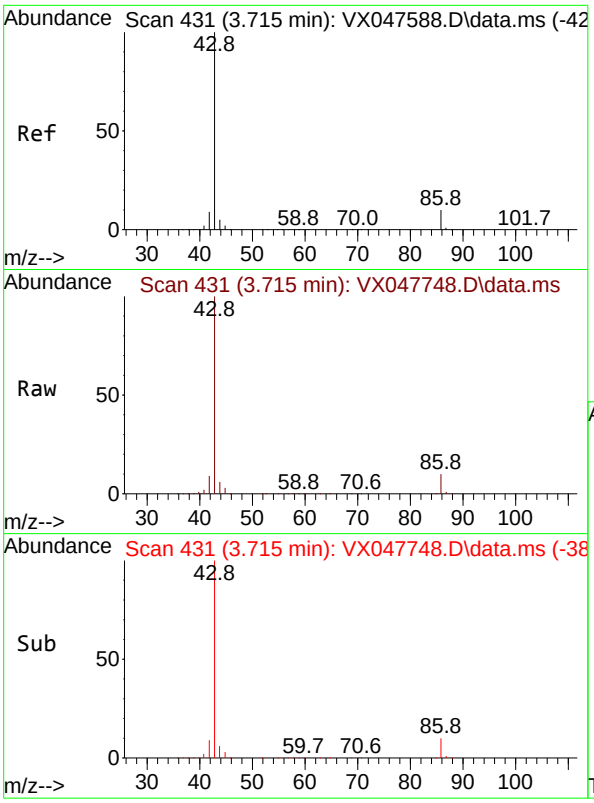




#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 45 Resp: 155798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 125.6 | 81.0 | 121.4# |
| 87 | 26.9 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |



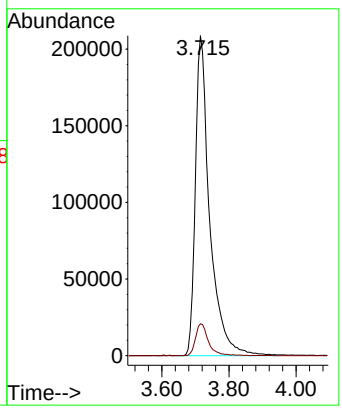


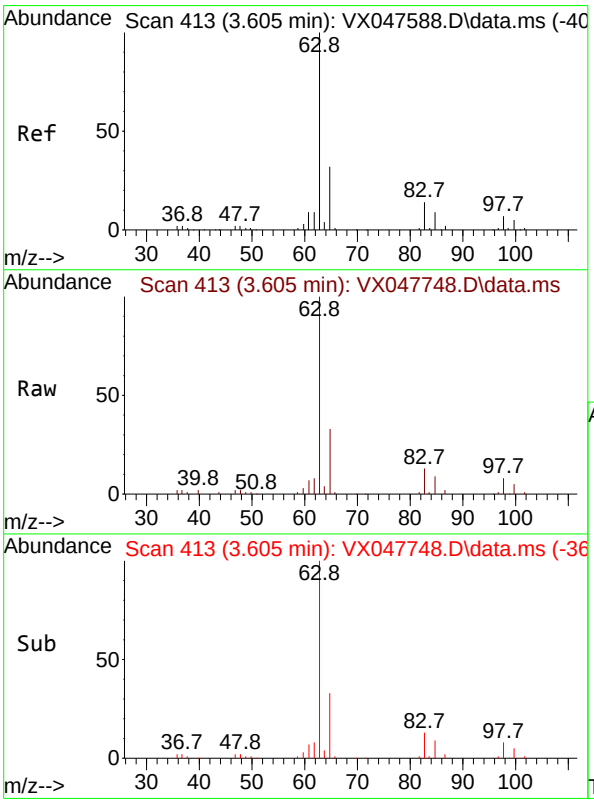

#23
Vinyl Acetate
Concen: 103.461 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 617433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.0 | 7.8 | 11.8 |

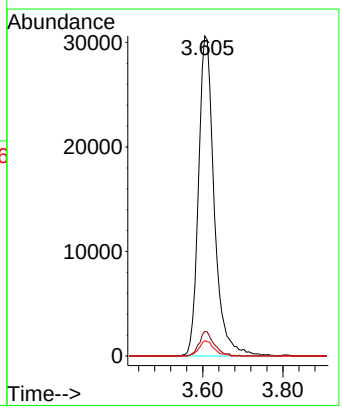


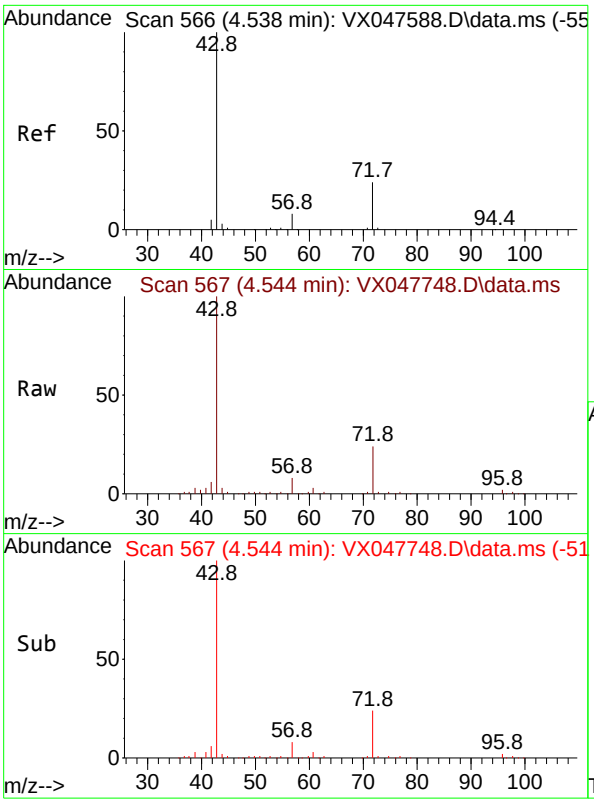




#24
1,1-Dichloroethane
Concen: 21.012 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 63 Resp: 83274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.6 | 3.8 | 11.2 |
| 100 | 4.8 | 2.3 | 6.9 |



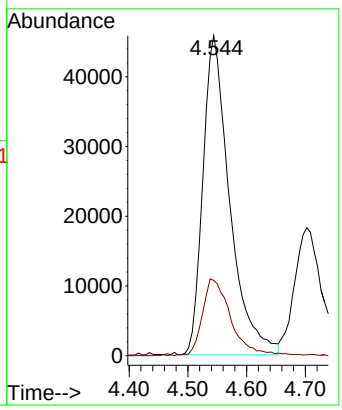


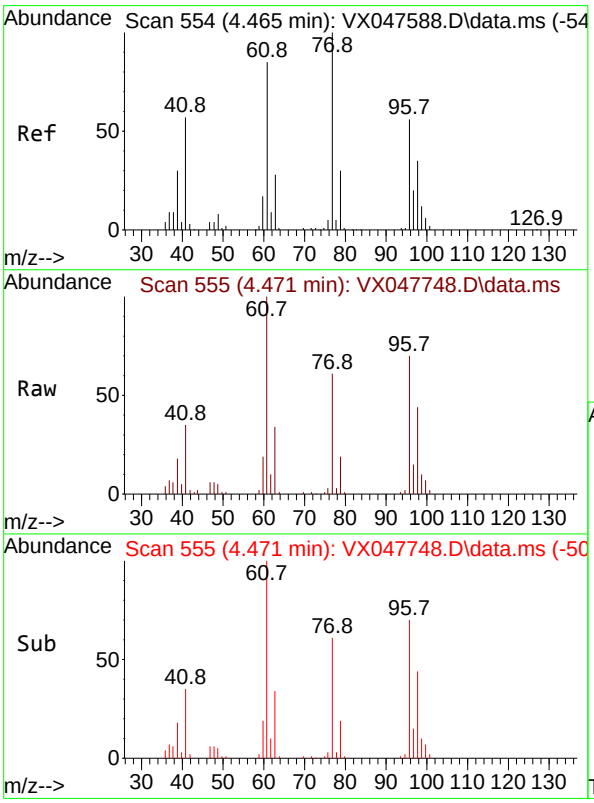

#25
2-Butanone
Concen: 106.972 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 144925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.3 | 20.1 | 30.1 |

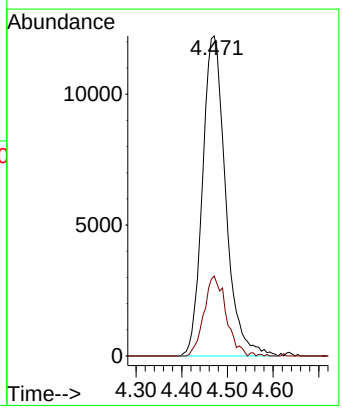


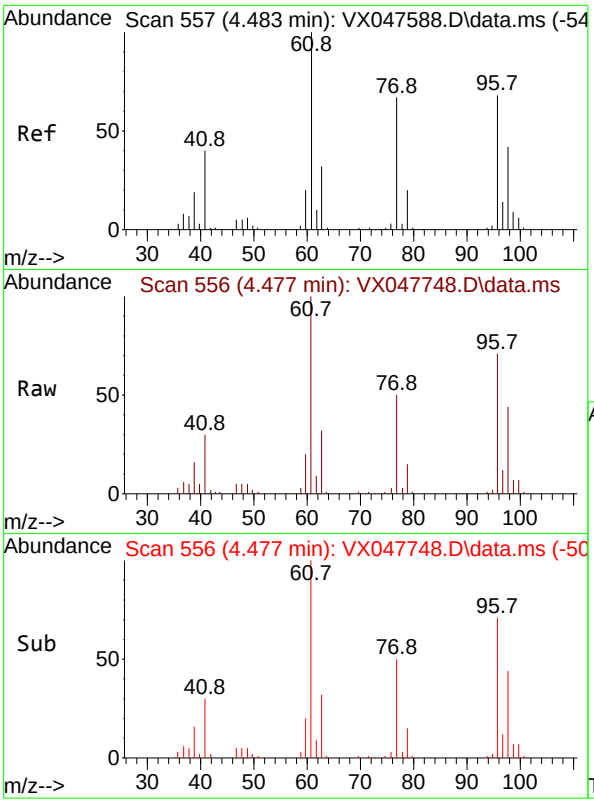




#26
2,2-Dichloropropane
Concen: 13.043 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 77 Resp: 42968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.7 | 10.9 | 32.7 |



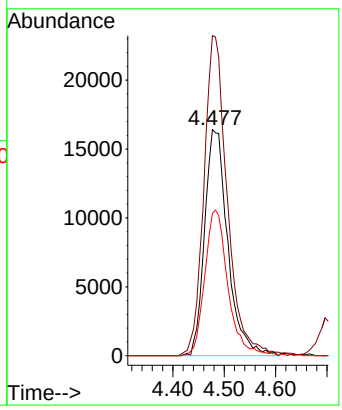


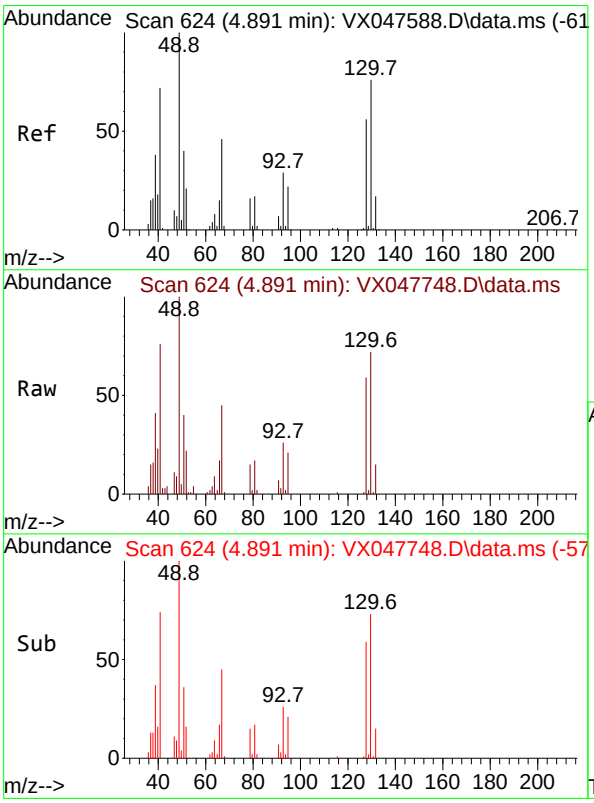

#27
cis-1,2-Dichloroethene
Concen: 20.894 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 96 Resp: 51366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 143.1 | 0.0 | 303.2 |
| 98 | 64.2 | 0.0 | 127.8 |

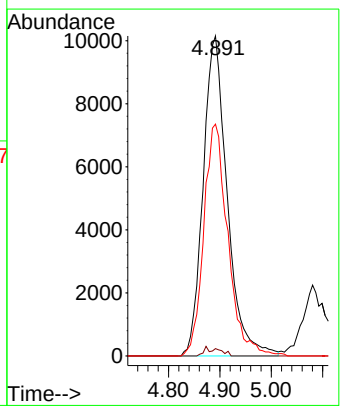


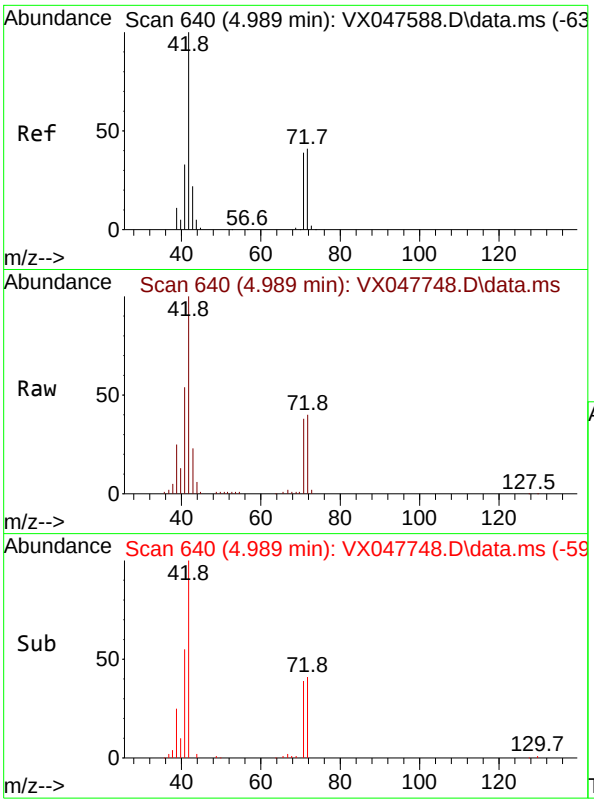




#28
Bromochloromethane
Concen: 19.085 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 49 Resp: 33021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 0.9 | 0.0 | 3.2 |
| 130 | 72.6 | 57.8 | 86.8 |



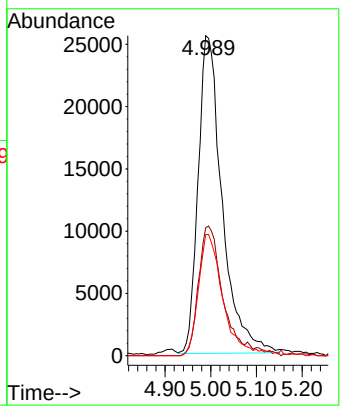


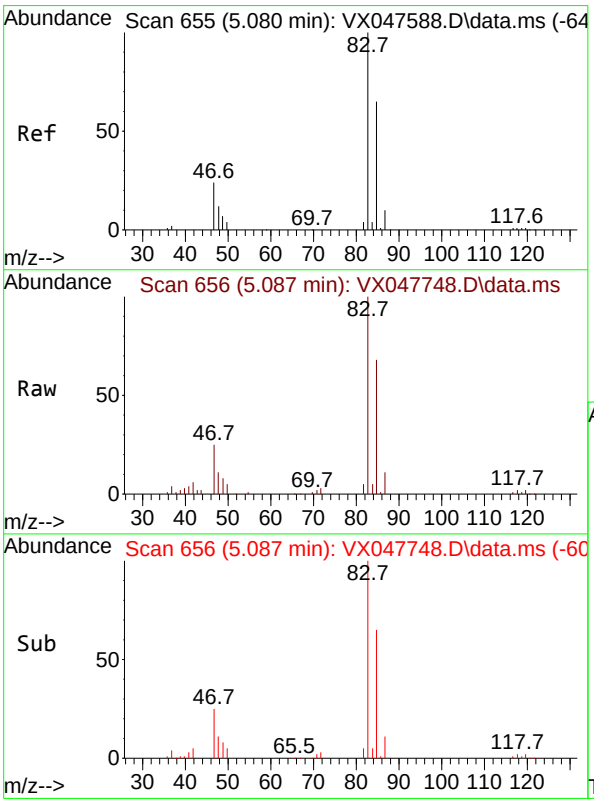

#29
Tetrahydrofuran
Concen: 114.248 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 42 Resp: 93114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.3 | 34.2 | 51.2 |
| 71 | 39.0 | 31.9 | 47.9 |

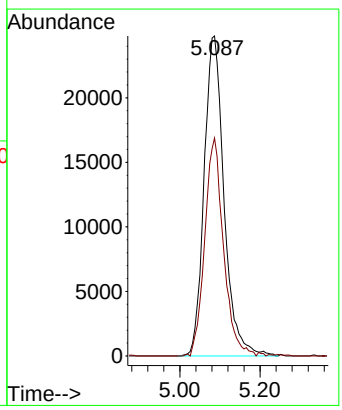


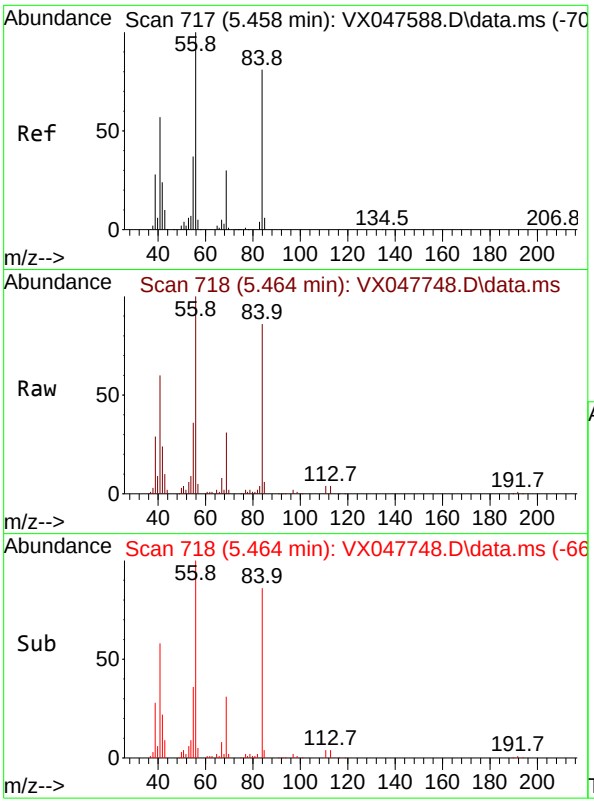




#30
Chloroform
Concen: 21.345 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 83 Resp: 85486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.1 | 51.8 | 77.6 |



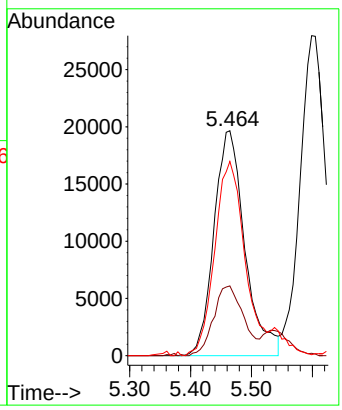


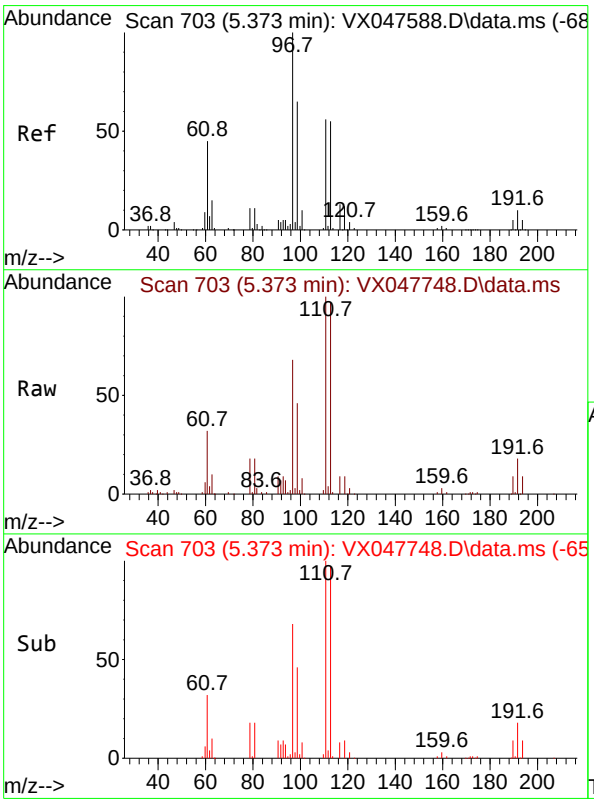

#31
Cyclohexane
Concen: 20.939 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 56 Resp: 69116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.5 | 23.8 | 35.8 |
| 84 | 84.6 | 64.6 | 97.0 |

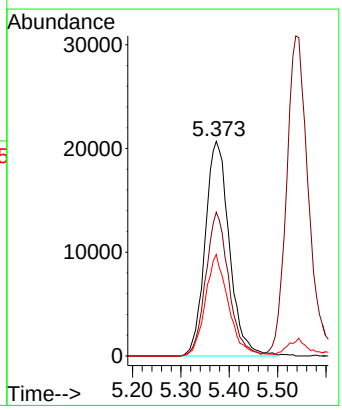


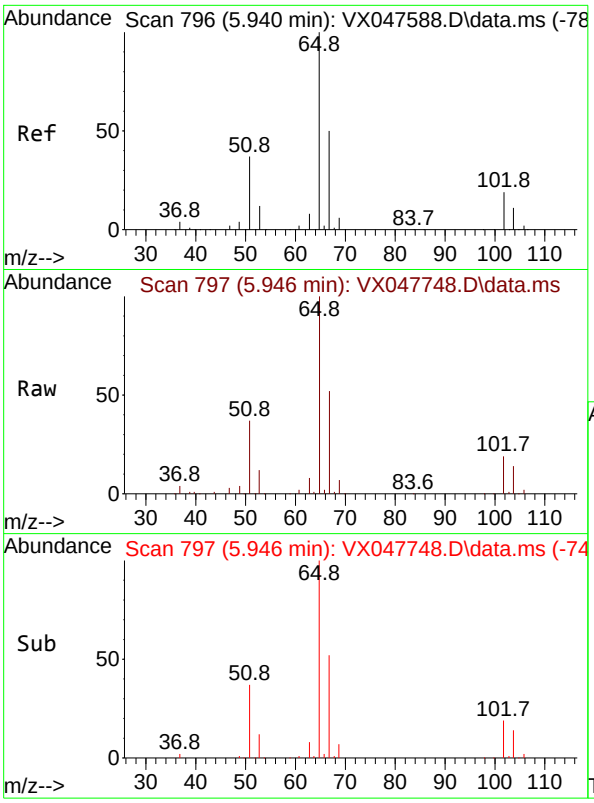




#32
1,1,1-Trichloroethane
Concen: 21.168 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 97 Resp: 71907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 63.6 | 50.6 | 76.0 |
| 61 | 45.4 | 35.8 | 53.8 |



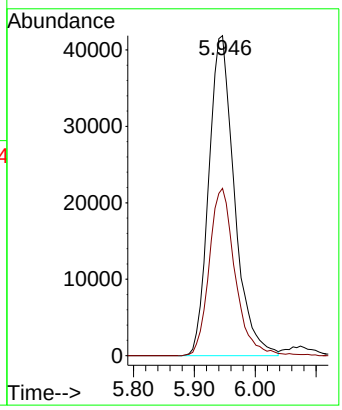


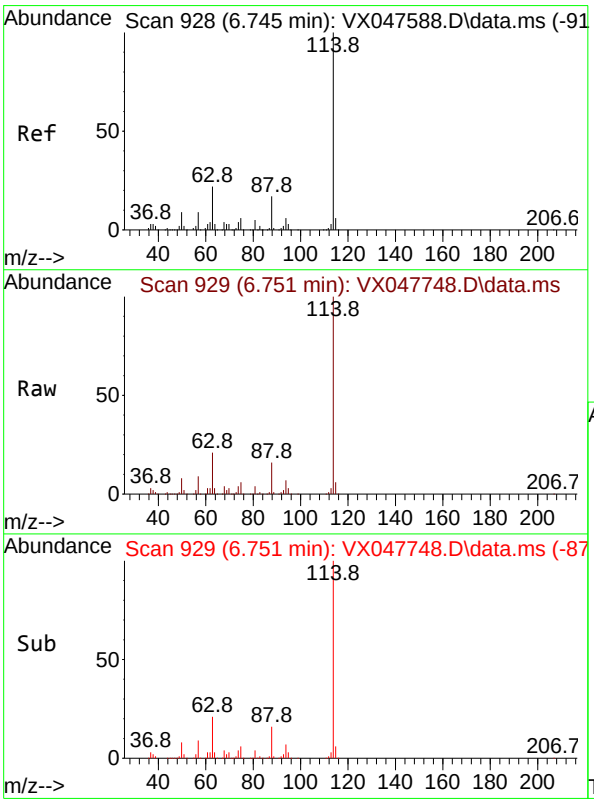

#33
1,2-Dichloroethane-d4
Concen: 48.994 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 65 Resp: 122385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.0 |

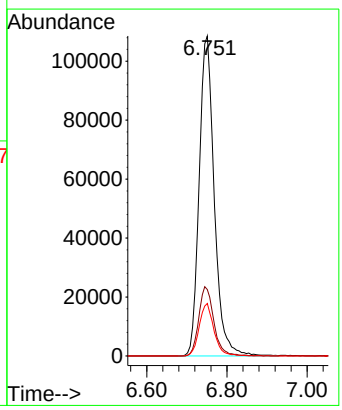


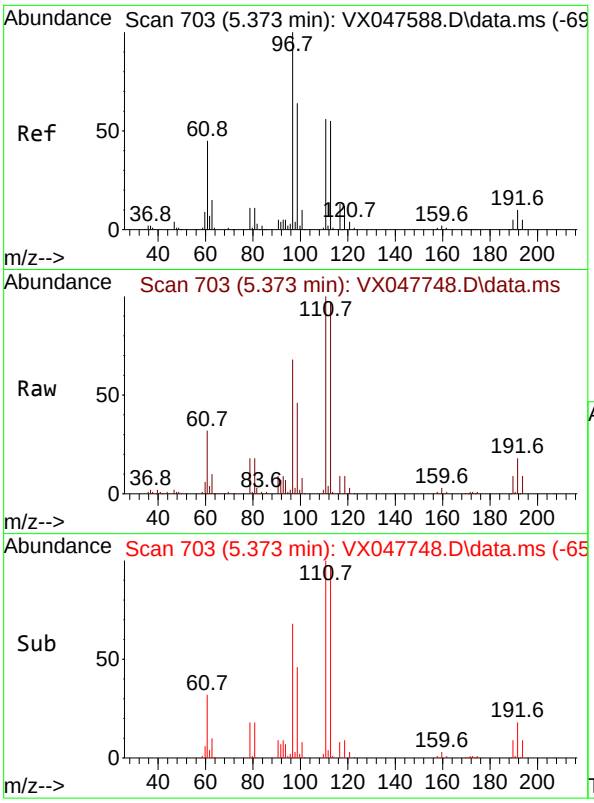




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:114 Resp: 284011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 23.6 | 0.0 | 44.0 |
| 88 | 16.4 | 0.0 | 34.2 |



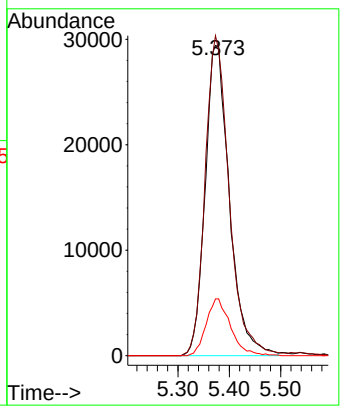


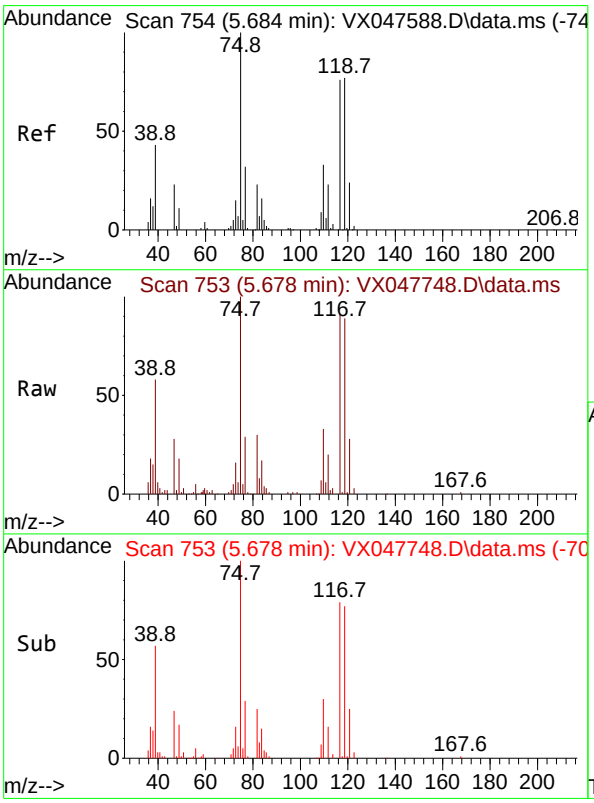

#35
Dibromofluoromethane
Concen: 50.711 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:113 Resp: 96590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.3 | 80.9 | 121.3 |
| 192 | 18.4 | 14.2 | 21.4 |

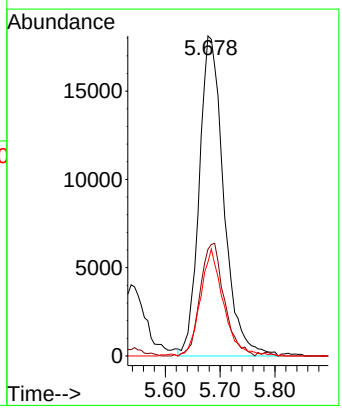


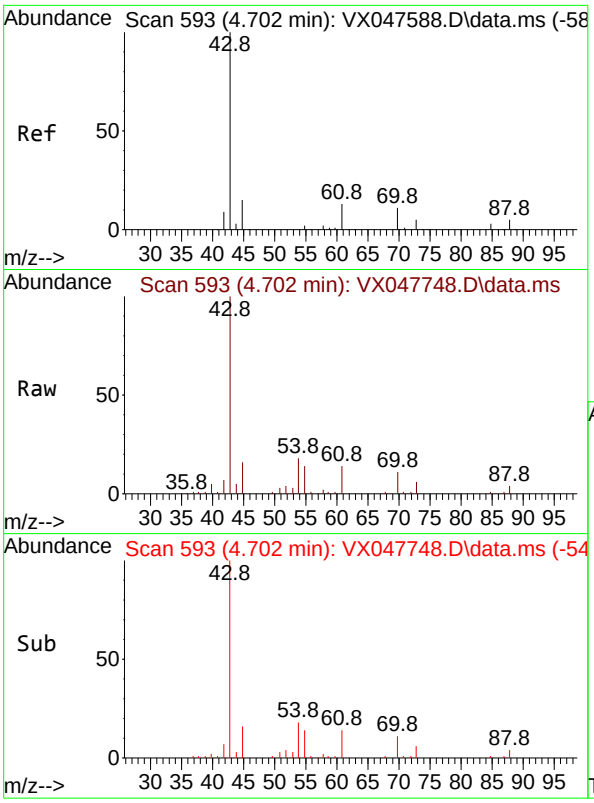




#36
1,1-Dichloropropene
Concen: 20.197 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 56214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.6 | 16.7 | 50.1 |
| 77 | 31.5 | 24.3 | 36.5 |



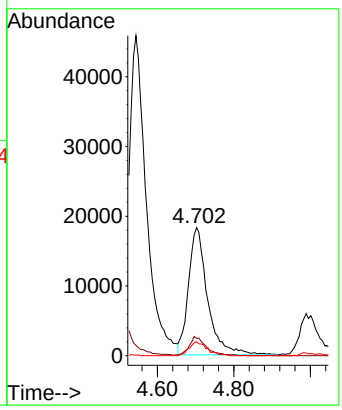


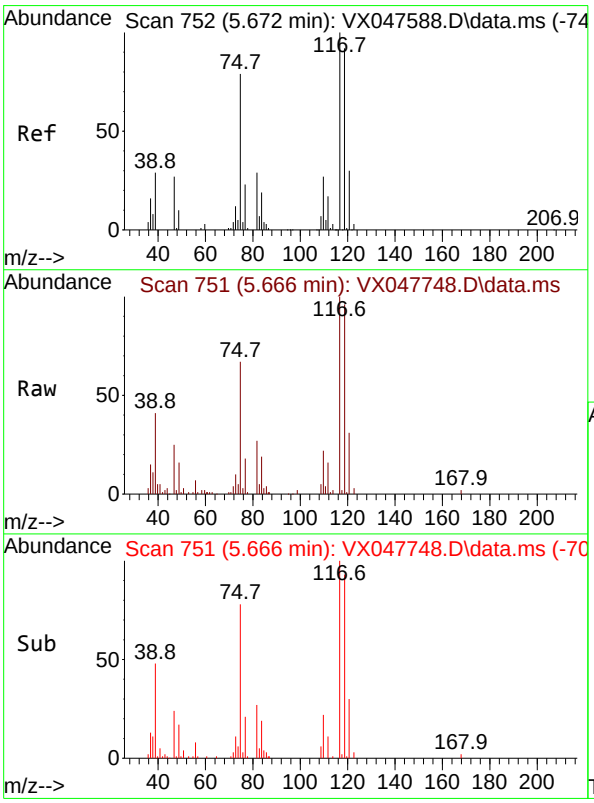

#37
Ethyl Acetate
Concen: 21.220 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 63237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 12.3 | 9.8 | 14.8 |
| 70 | 10.2 | 7.9 | 11.9 |

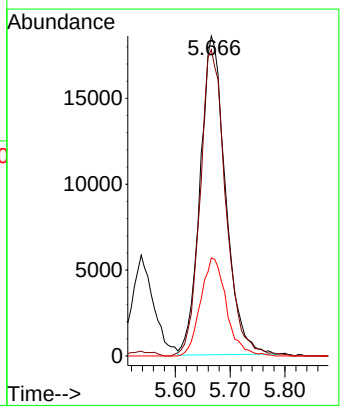


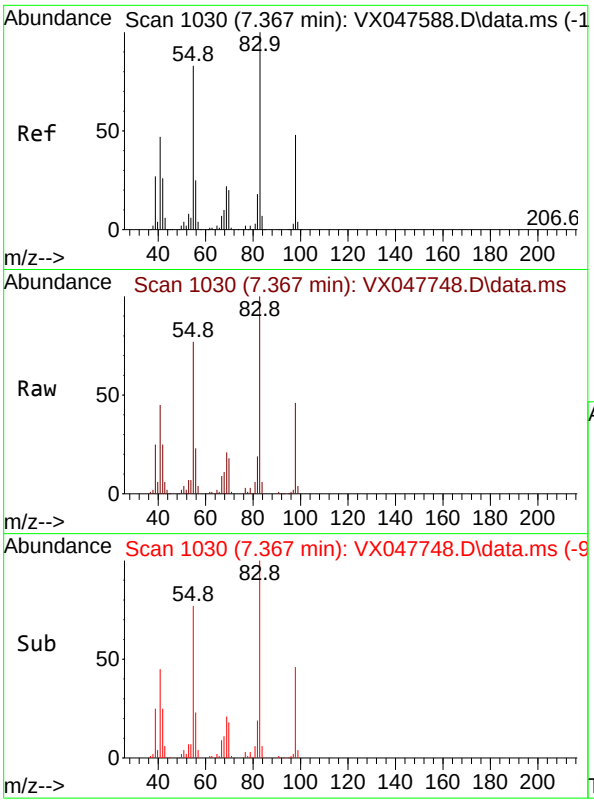




#38
Carbon Tetrachloride
Concen: 19.672 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:117 Resp: 59490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 95.6 | 73.4 | 110.2 |
| 121 | 30.8 | 23.8 | 35.6 |



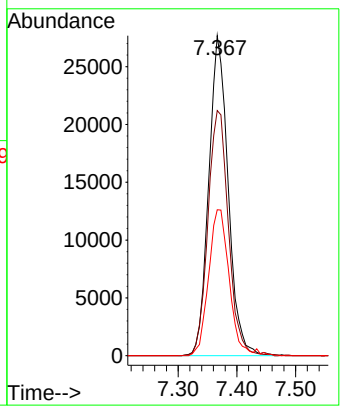


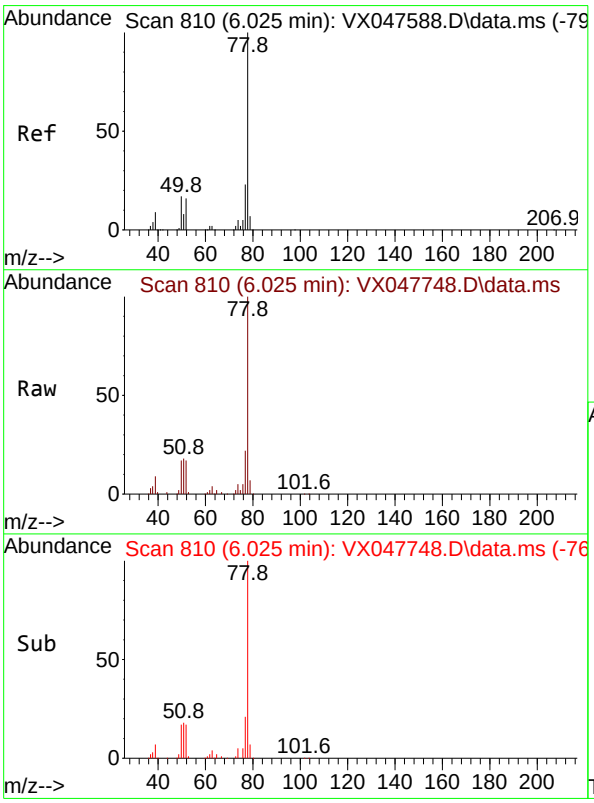

#39
Methylcyclohexane
Concen: 20.138 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 83 Resp: 63625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 76.6 | 66.4 | 99.6 |
| 98 | 45.6 | 38.1 | 57.1 |

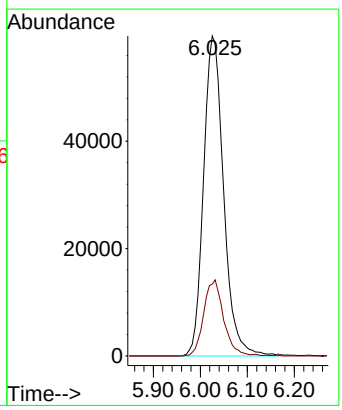


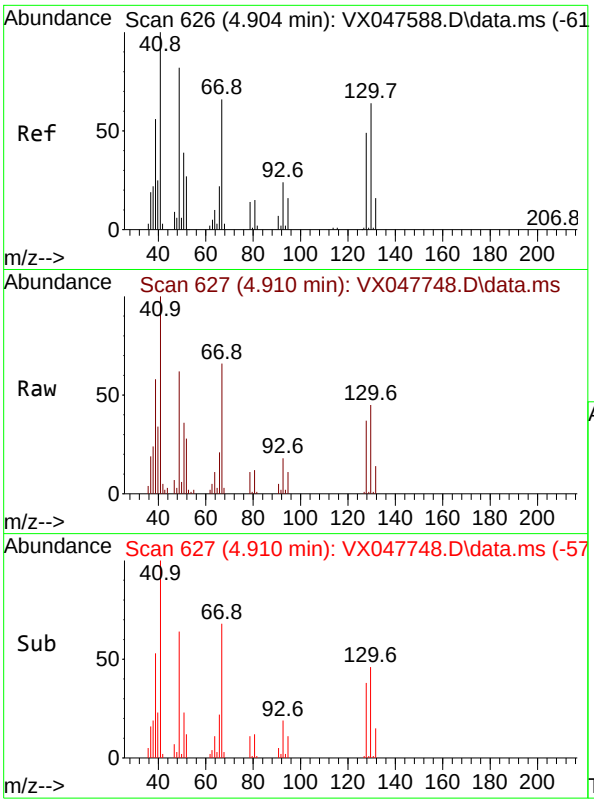




#40
Benzene
Concen: 20.873 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 78 Resp: 176451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.5 | 18.8 | 28.2 |



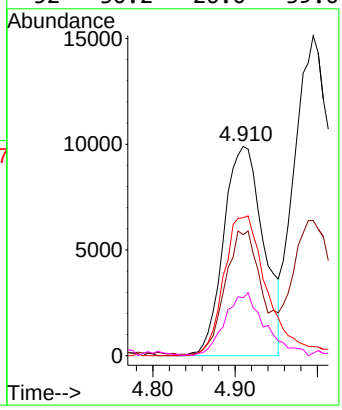


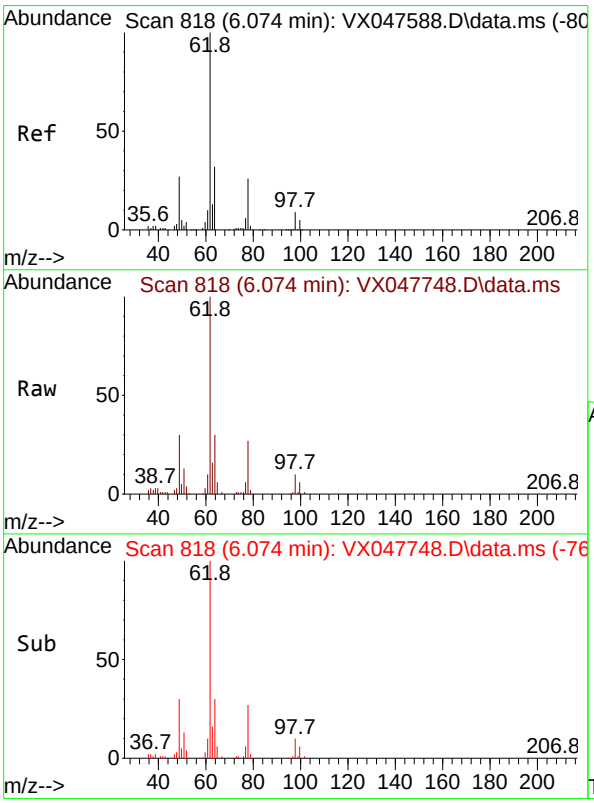

#41
Methacrylonitrile
Concen: 21.696 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 41 Resp: 33379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 54.8 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 30.2 | 26.0 | 39.0 |

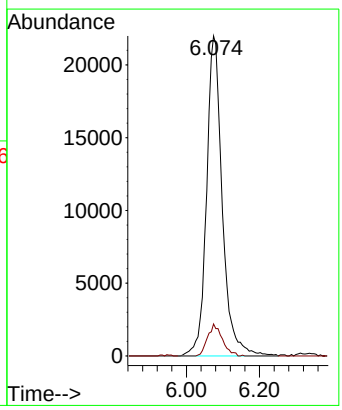


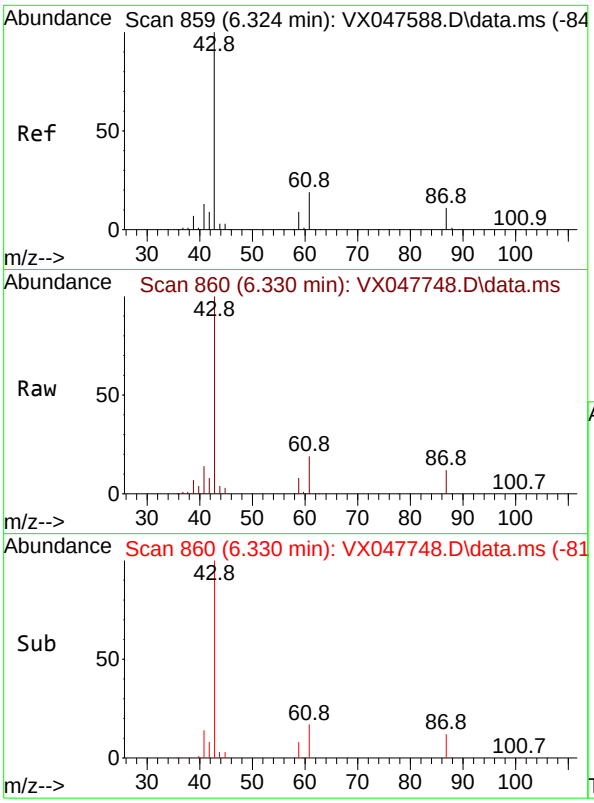




#42
1,2-Dichloroethane
Concen: 20.366 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 62 Resp: 65506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.0 |



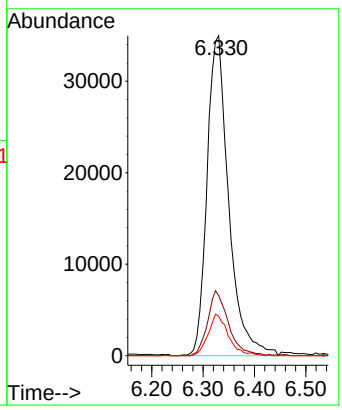


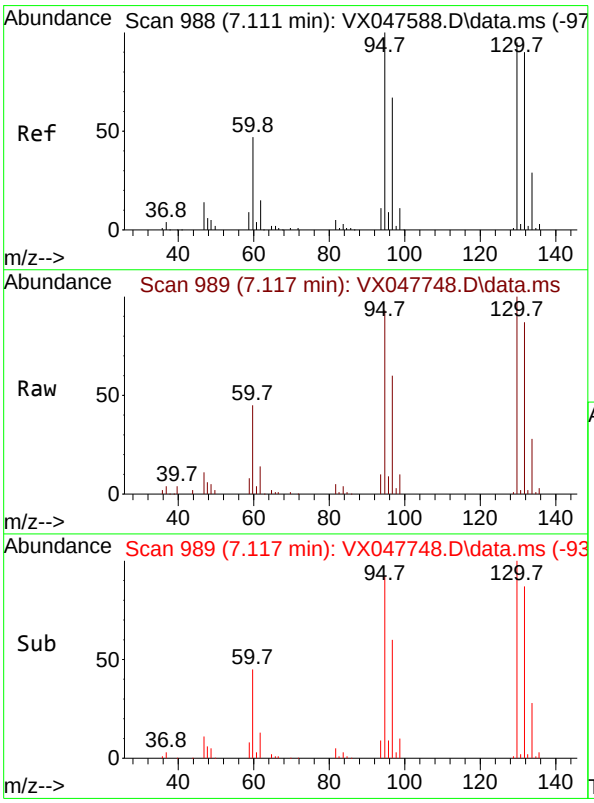

#43
Isopropyl Acetate
Concen: 20.917 ug/l
RT: 6.330 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 102233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.4 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |

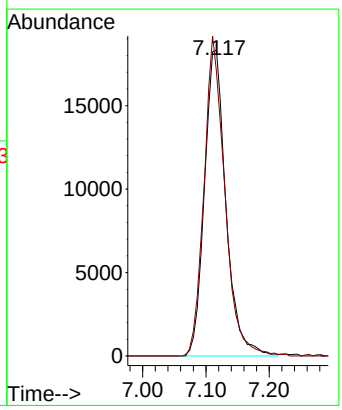


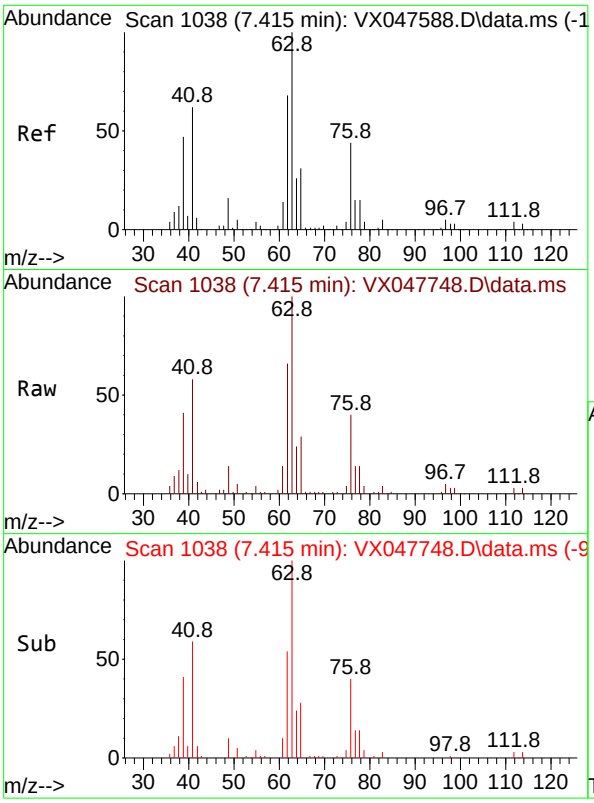




#44
Trichloroethene
Concen: 21.254 ug/l
RT: 7.117 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:130 Resp: 43438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 92.9 | 0.0 | 210.8 |



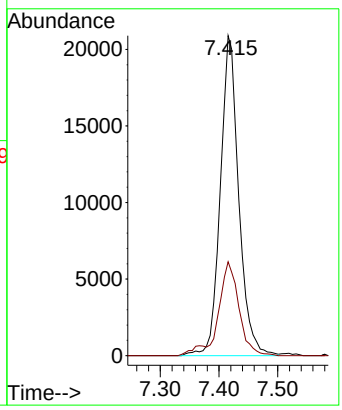


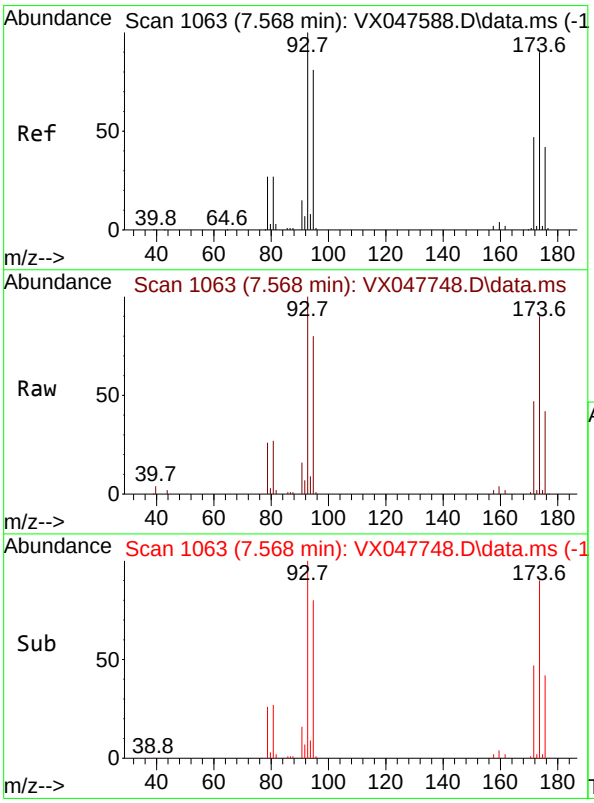

#45
1,2-Dichloropropane
Concen: 21.024 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 63 Resp: 45508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 29.4 | 24.7 | 37.1 |

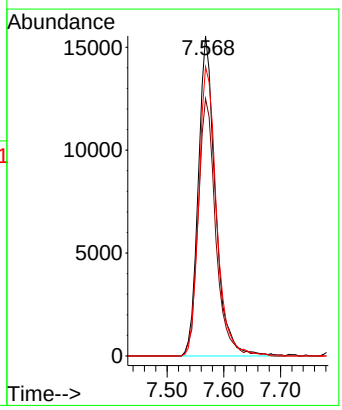


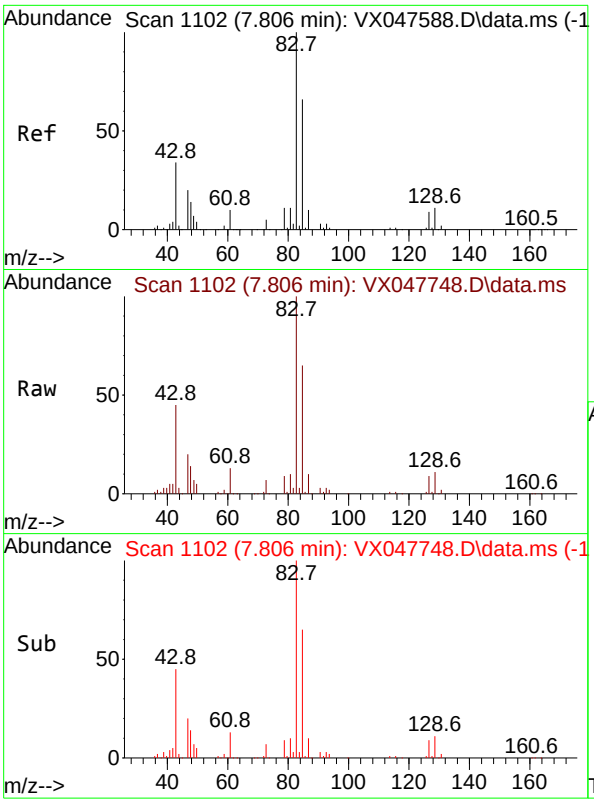




#46
Dibromomethane
Concen: 20.725 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 93 Resp: 32646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 93.9 | 71.6 | 107.4 |



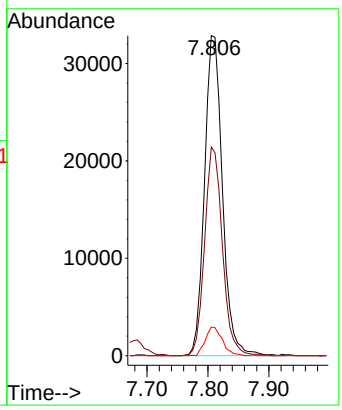


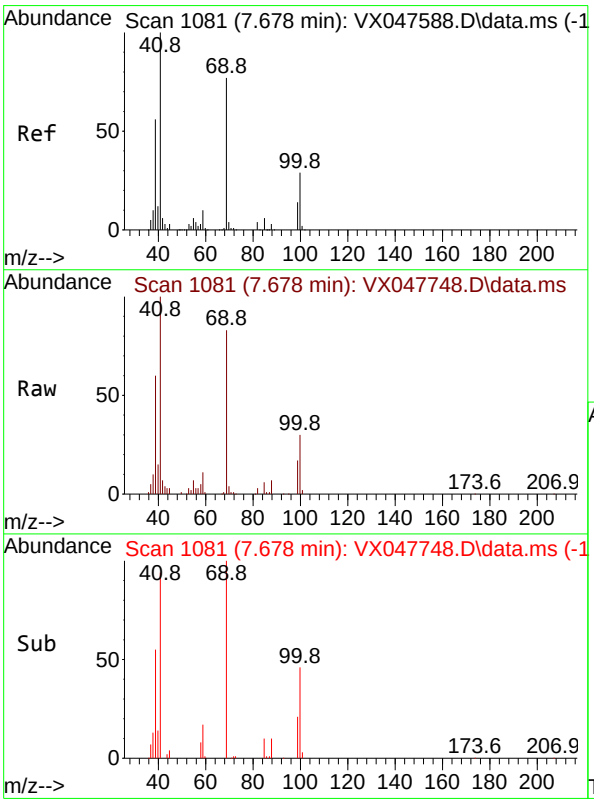

#47
Bromodichloromethane
Concen: 20.681 ug/l
RT: 7.806 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 83 Resp: 67223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 66.2 | 52.5 | 78.7 |
| 127 | 8.9 | 6.9 | 10.3 |

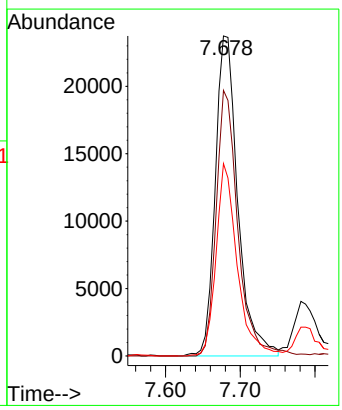


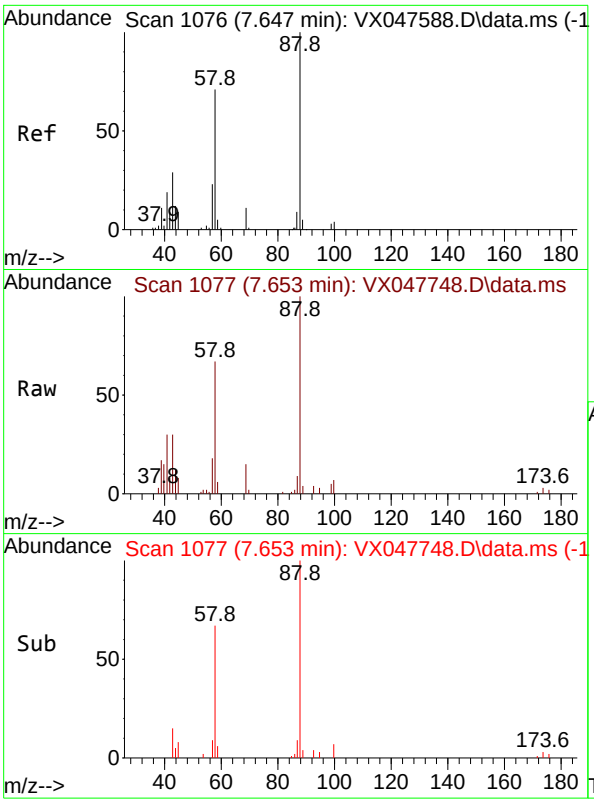




#48
Methyl methacrylate
Concen: 20.524 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 41 Resp: 49967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.1 | 61.4 | 92.2 |
| 39 | 56.5 | 45.8 | 68.6 |



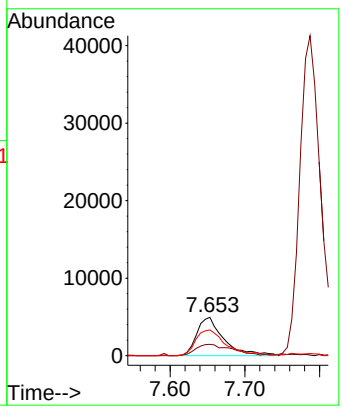


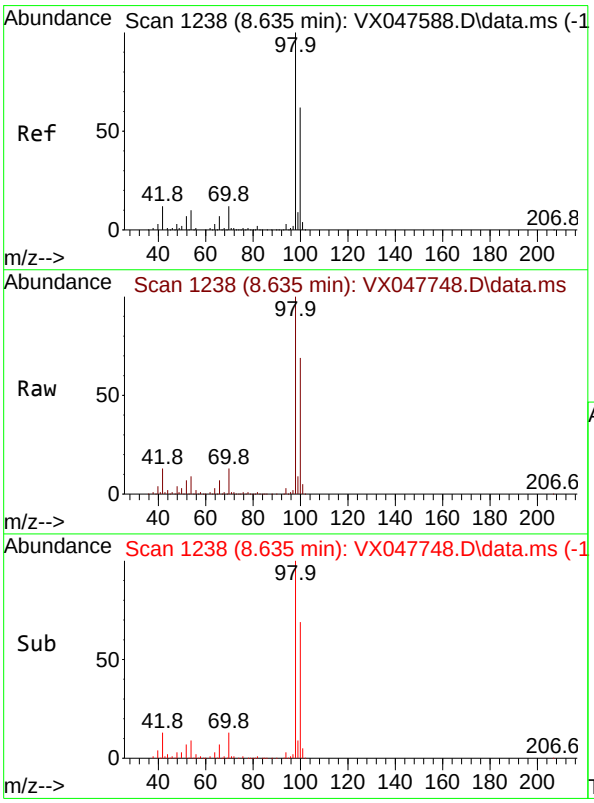

#49
1,4-Dioxane
Concen: 503.790 ug/l
RT: 7.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 88 Resp: 12395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 40.4 | 30.2 | 45.2 |
| 58 | 75.2 | 59.5 | 89.3 |

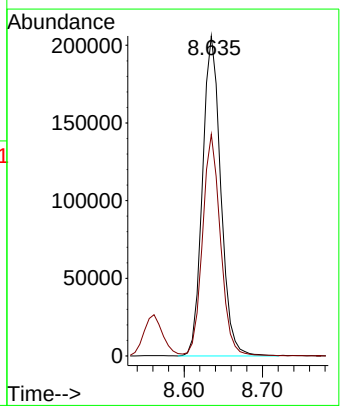


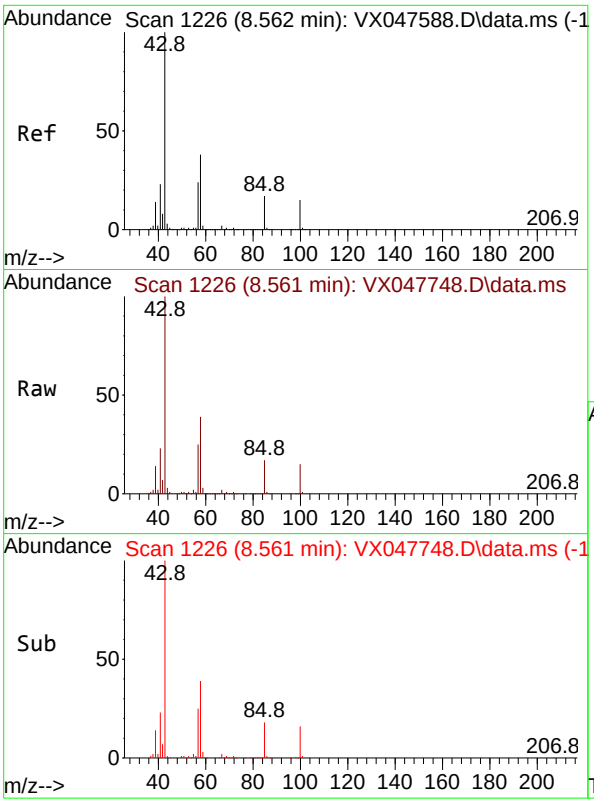




#50
Toluene-d8
Concen: 50.607 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 98 Resp: 333541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.7 | 53.0 | 79.4 |



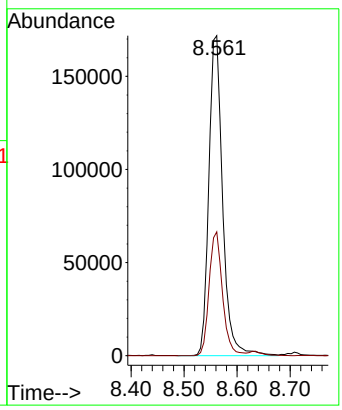


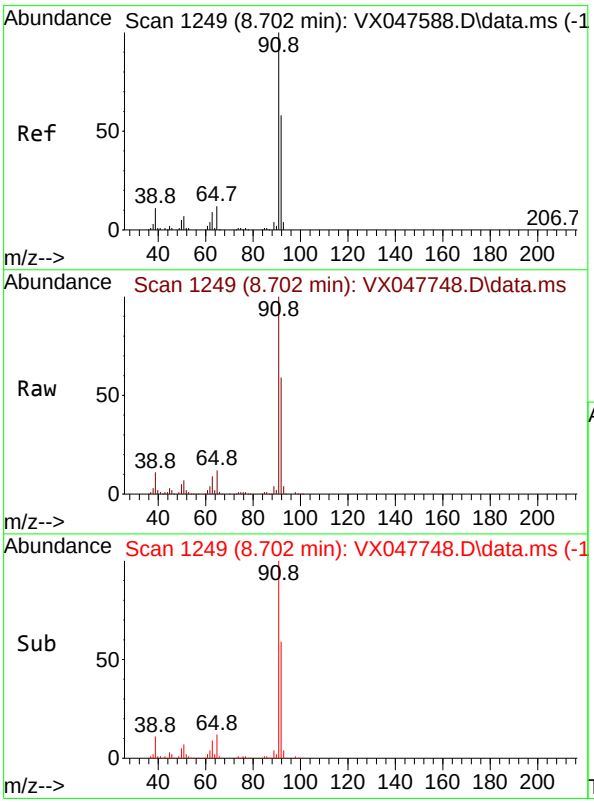

#51
4-Methyl-2-Pentanone
Concen: 114.468 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 310191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.7 | 30.3 | 45.5 |

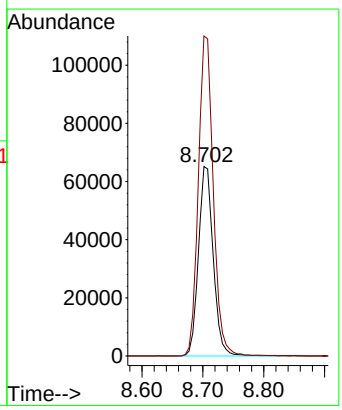


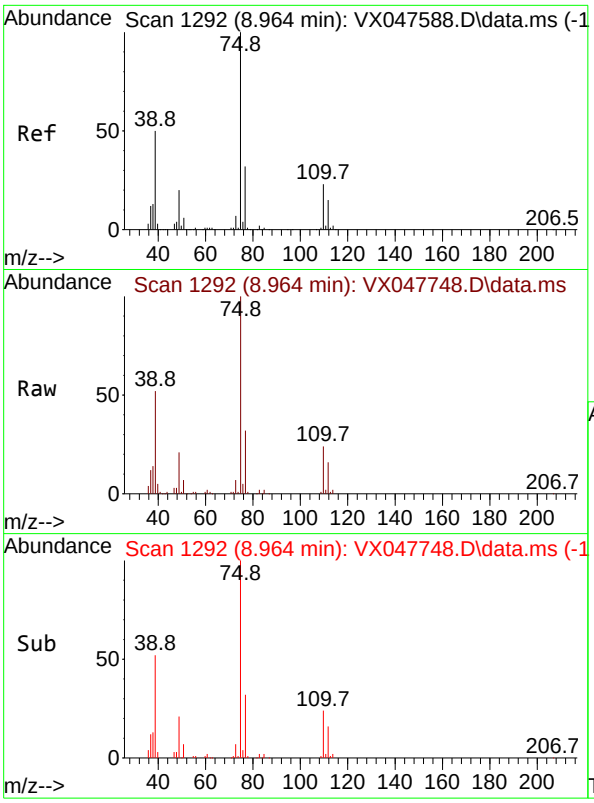




#52
Toluene
Concen: 21.098 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 92 Resp: 109881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.9 | 137.1 | 205.7 |



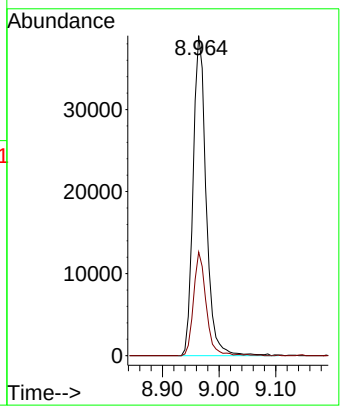


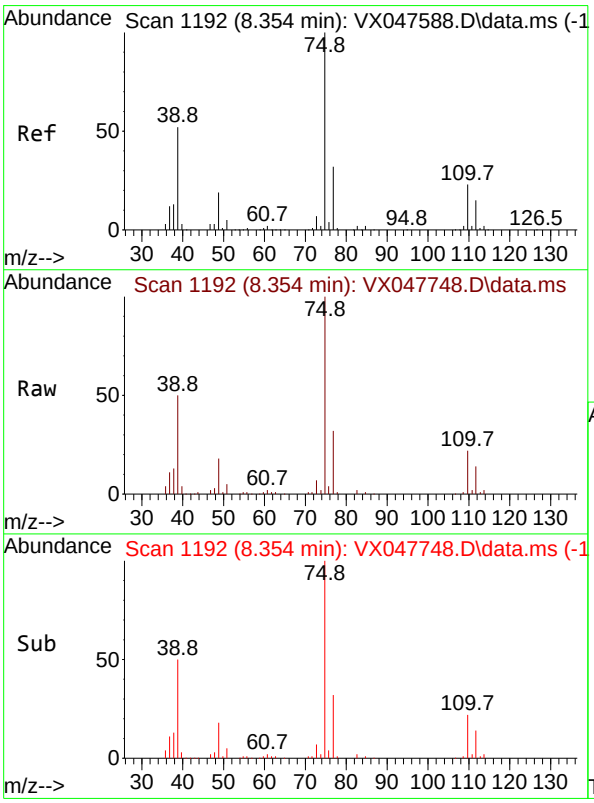

#53
t-1,3-Dichloropropene
Concen: 18.780 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 75 Resp: 62267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.4 | 25.4 | 38.2 |

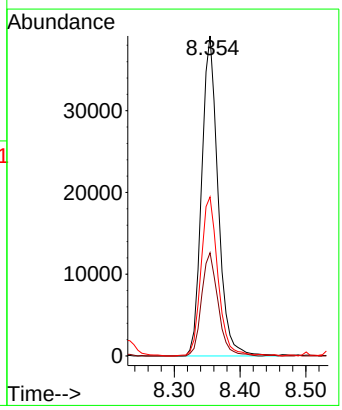


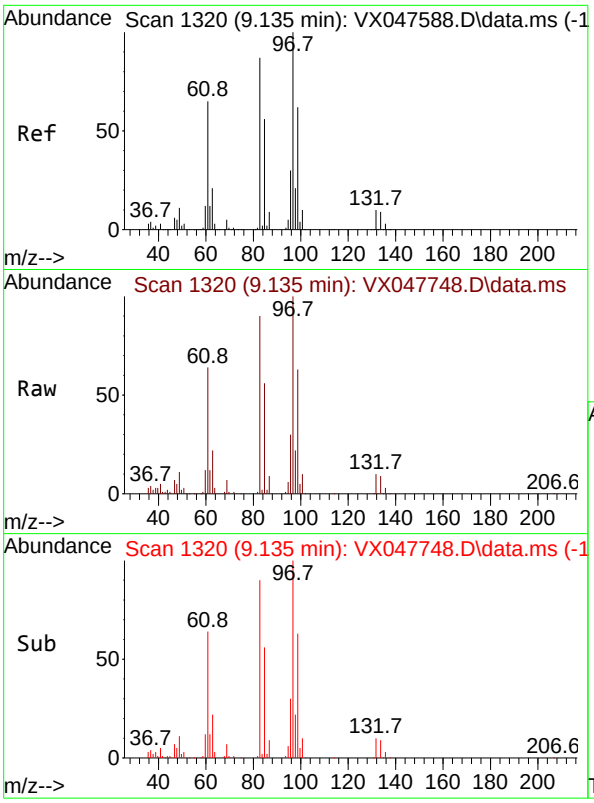




#54
cis-1,3-Dichloropropene
Concen: 19.135 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 67811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.8 | 38.6 |
| 39 | 49.5 | 41.4 | 62.2 |



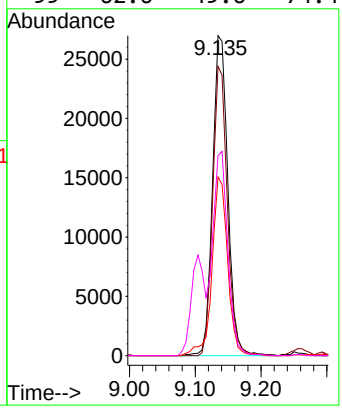


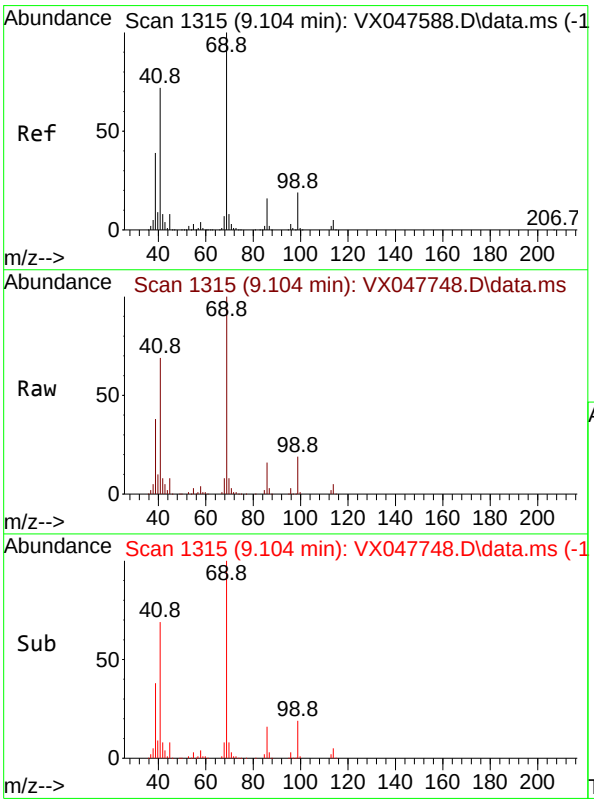

#55
1,1,2-Trichloroethane
Concen: 21.677 ug/l
RT: 9.135 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 97 Resp: 43533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.4 | 69.6 | 104.4 |
| 85 | 55.8 | 45.0 | 67.6 |
| 99 | 62.6 | 49.6 | 74.4 |

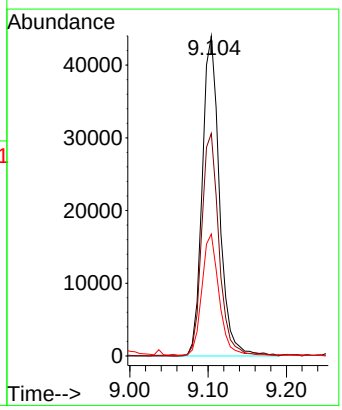


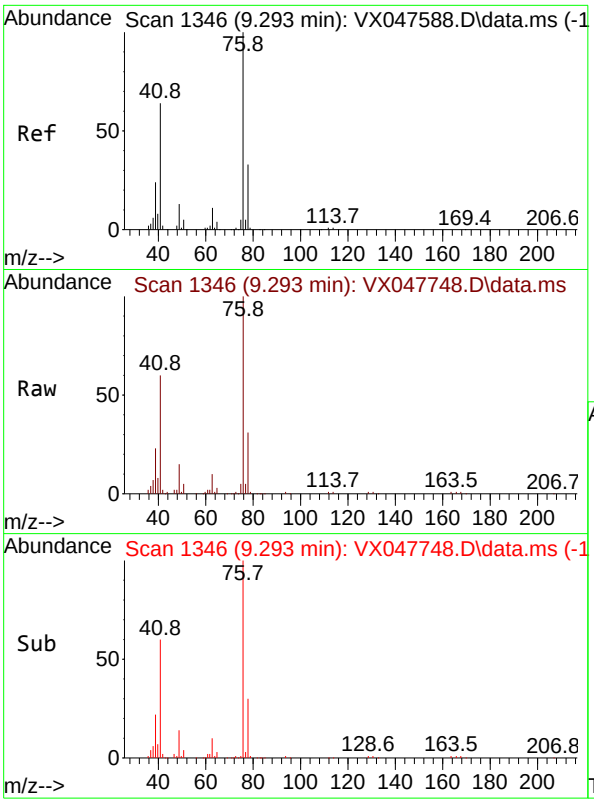




#56
Ethyl methacrylate
Concen: 21.313 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 69 Resp: 67219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 69.3 | 58.6 | 87.8 |
| 39 | 37.7 | 31.5 | 47.3 |



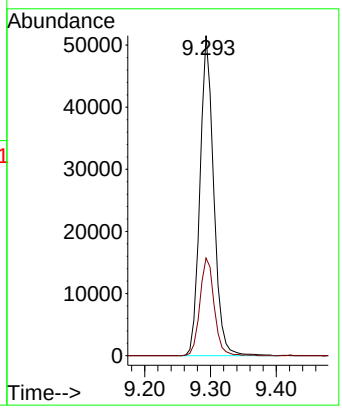


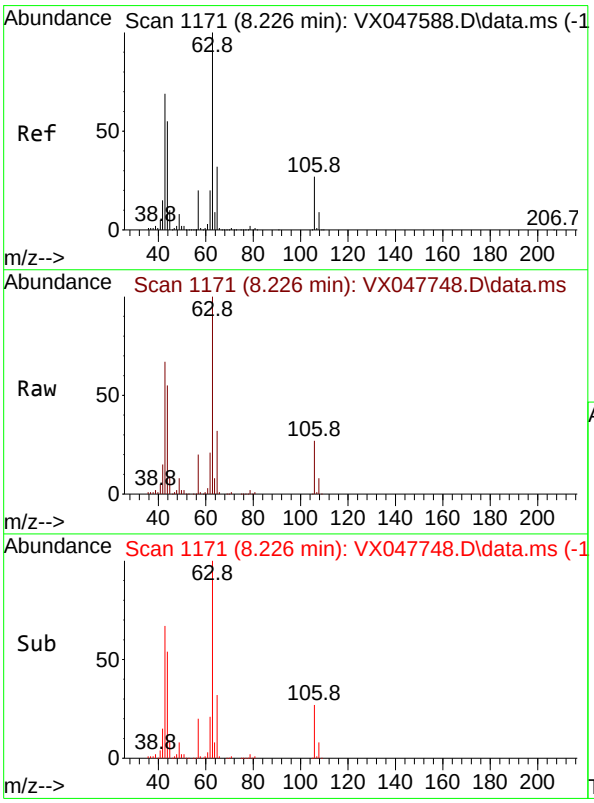

#57
1,3-Dichloropropane
Concen: 21.667 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 76 Resp: 74746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 31.7 | 26.2 | 39.4 |

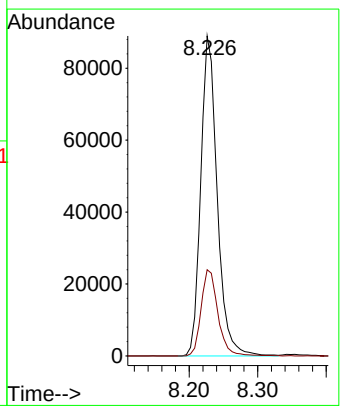


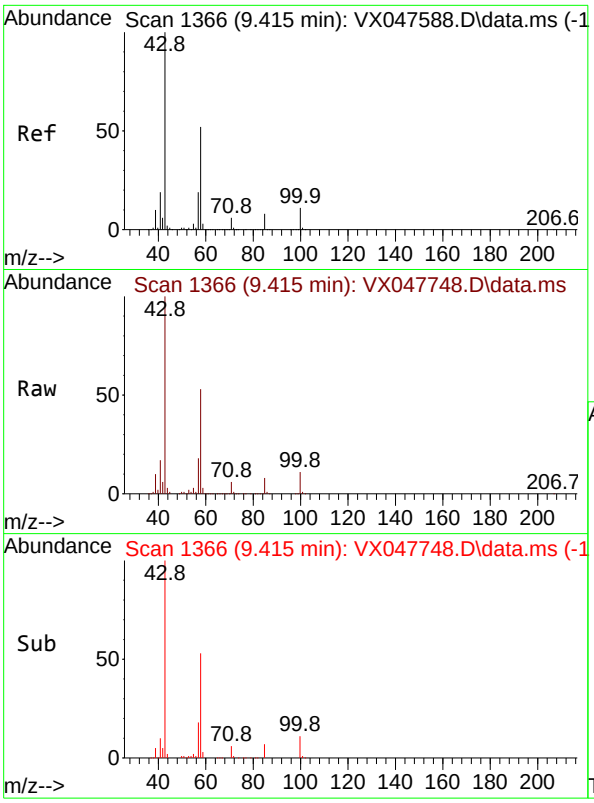




#58
2-Chloroethyl Vinyl ether
Concen: 105.735 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 63 Resp: 148860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



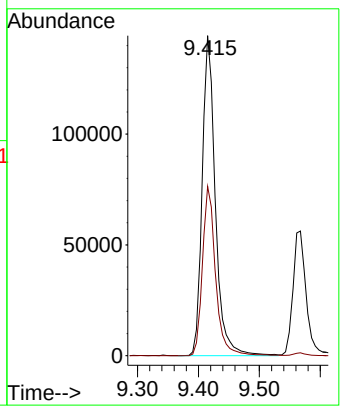


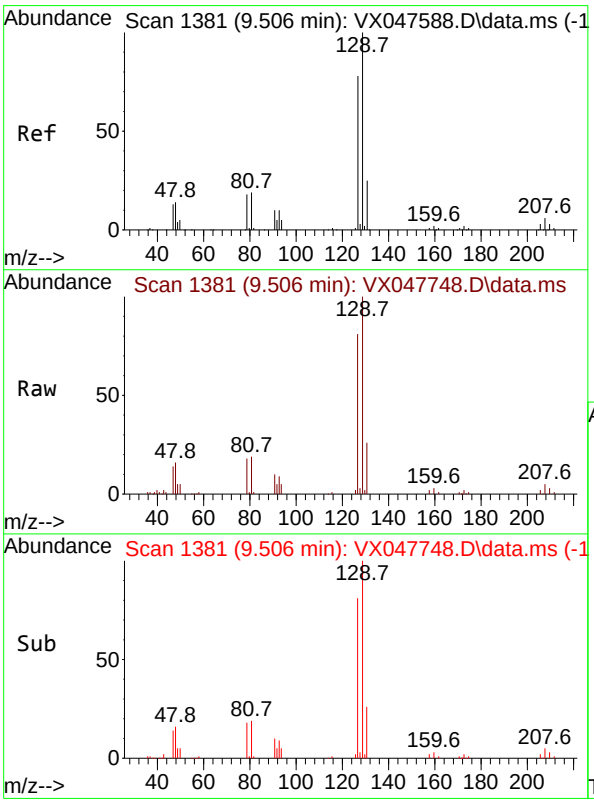

#59
2-Hexanone
Concen: 111.587 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 43 Resp: 217174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 52.9 | 26.1 | 78.2 |

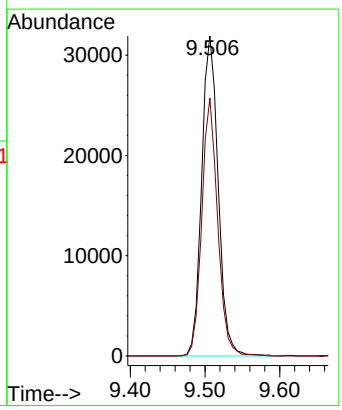


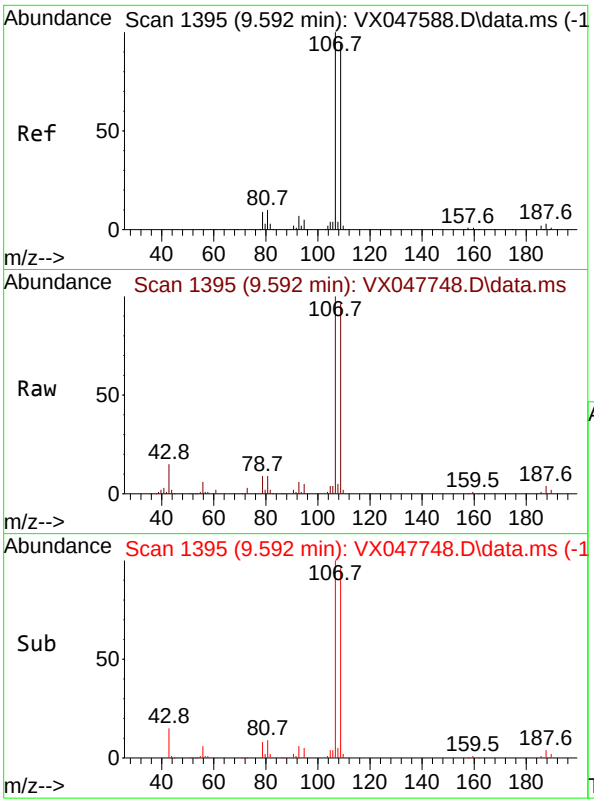




#60
Dibromochloromethane
Concen: 21.170 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:129 Resp: 48986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 77.3 | 38.4 | 115.2 |



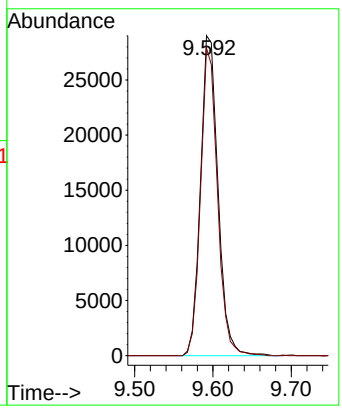


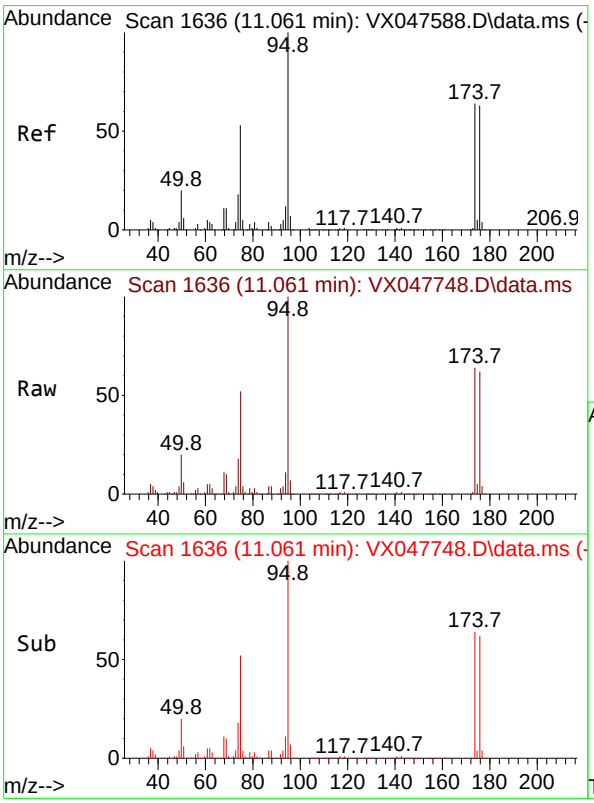

#61
1,2-Dibromoethane
Concen: 22.022 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:107 Resp: 45047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 92.9 | 75.3 | 112.9 |

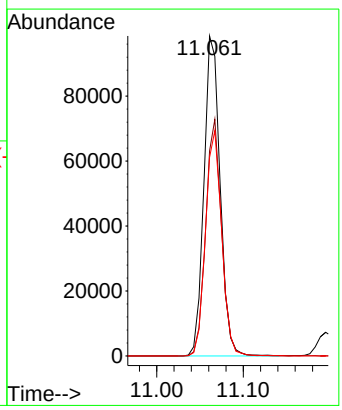


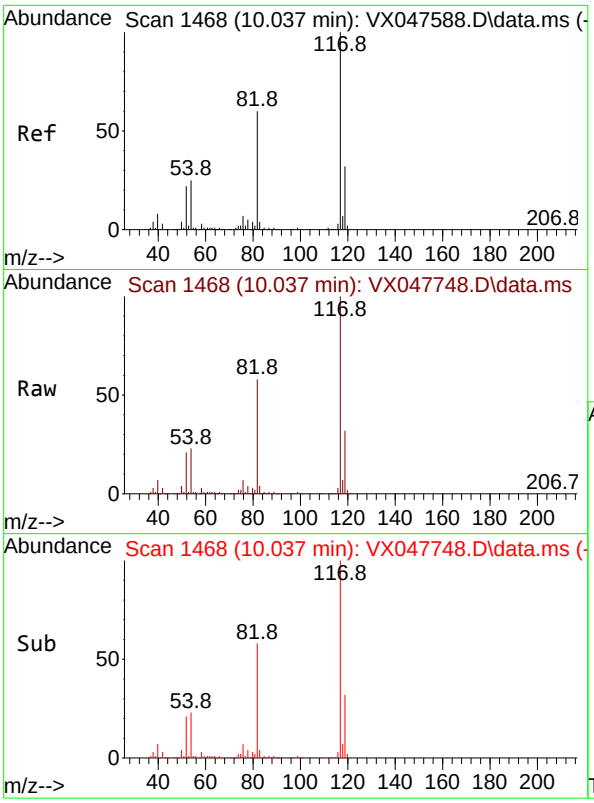




#62
4-Bromofluorobenzene
Concen: 51.072 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 95 Resp: 127747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 72.5 | 0.0 | 141.6 |
| 176 | 70.7 | 0.0 | 138.4 |



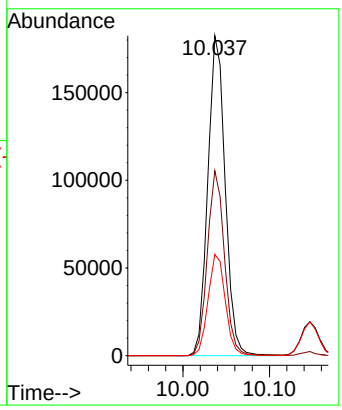


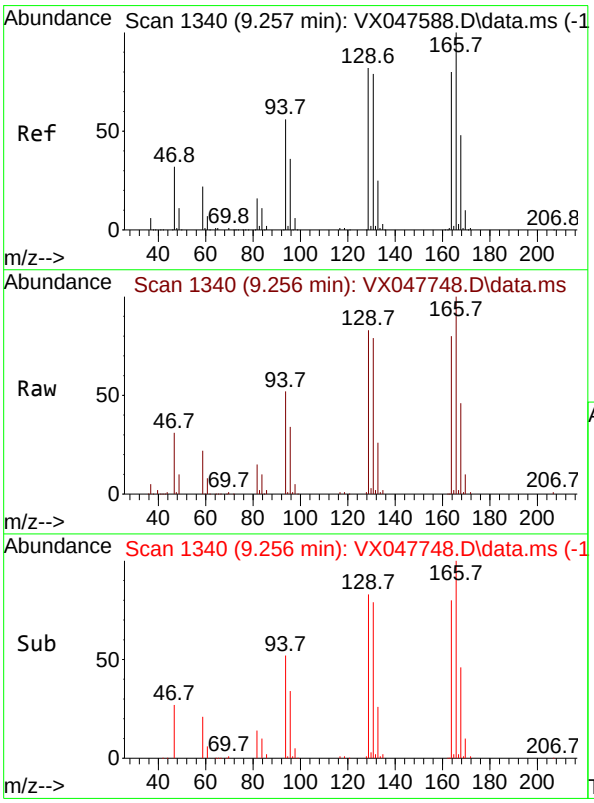

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:117 Resp: 253957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 57.8 | 47.8 | 71.6 |
| 119 | 31.7 | 25.2 | 37.8 |

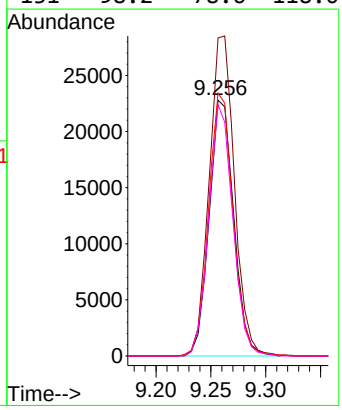


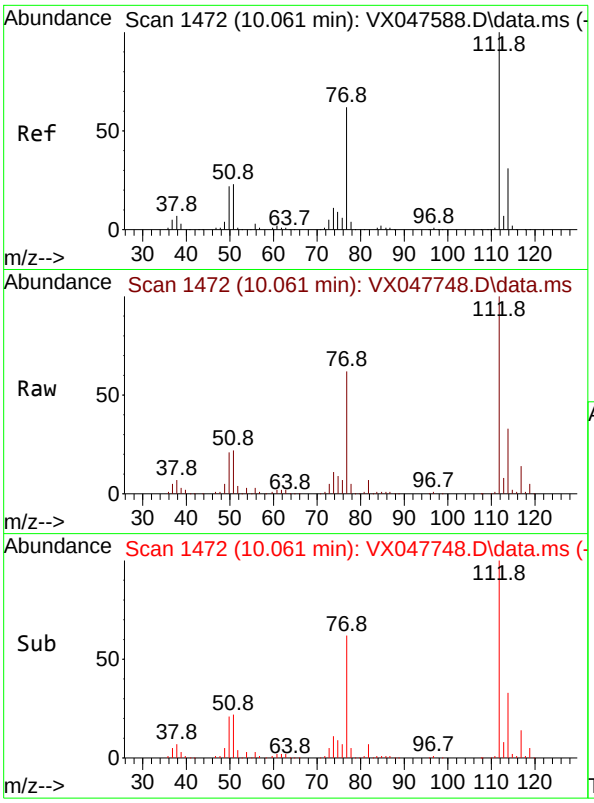




#64
Tetrachloroethene
Concen: 21.442 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:164 Resp: 35498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 124.3 | 100.2 | 150.2 |
| 129 | 102.7 | 81.8 | 122.6 |
| 131 | 98.2 | 78.6 | 118.0 |



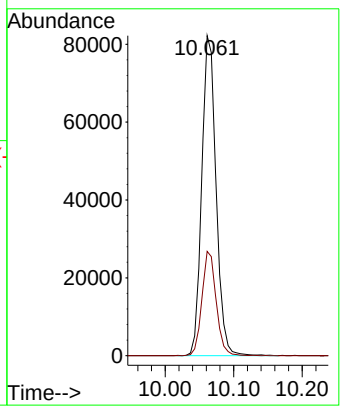


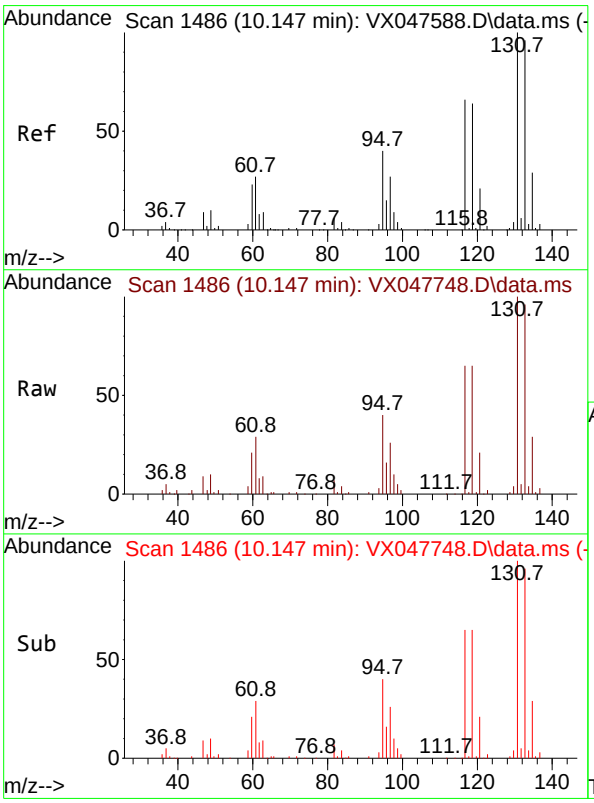

#65
Chlorobenzene
Concen: 20.738 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:112 Resp: 119644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 32.6 | 25.1 | 37.7 |

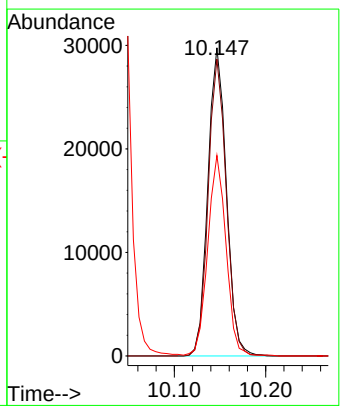


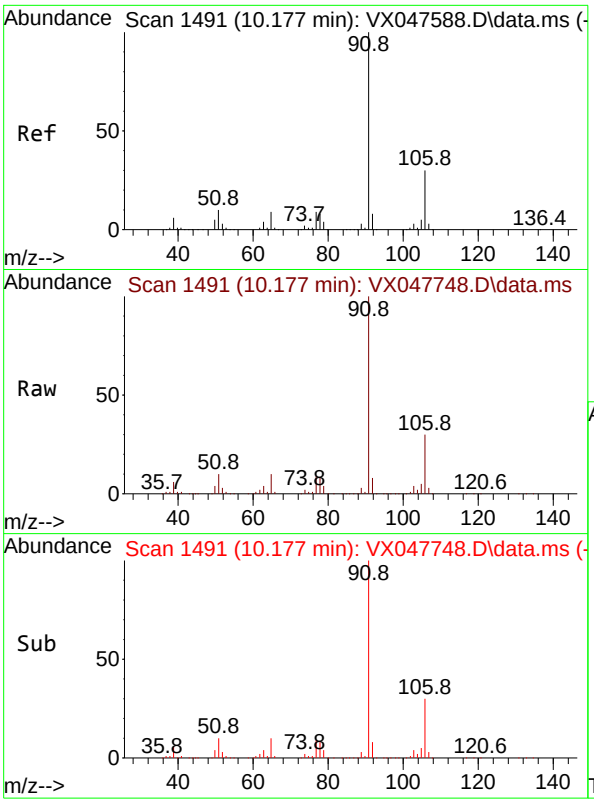




#66
1,1,1,2-Tetrachloroethane
Concen: 21.001 ug/l
RT: 10.147 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:131 Resp: 41811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 94.2 | 47.3 | 142.0 |
| 119 | 64.4 | 32.0 | 96.0 |



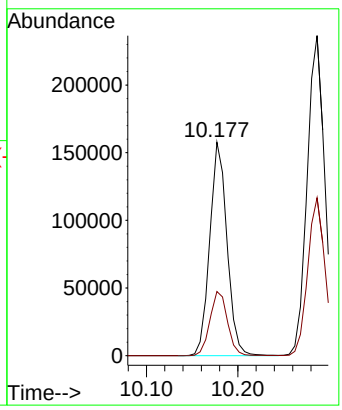


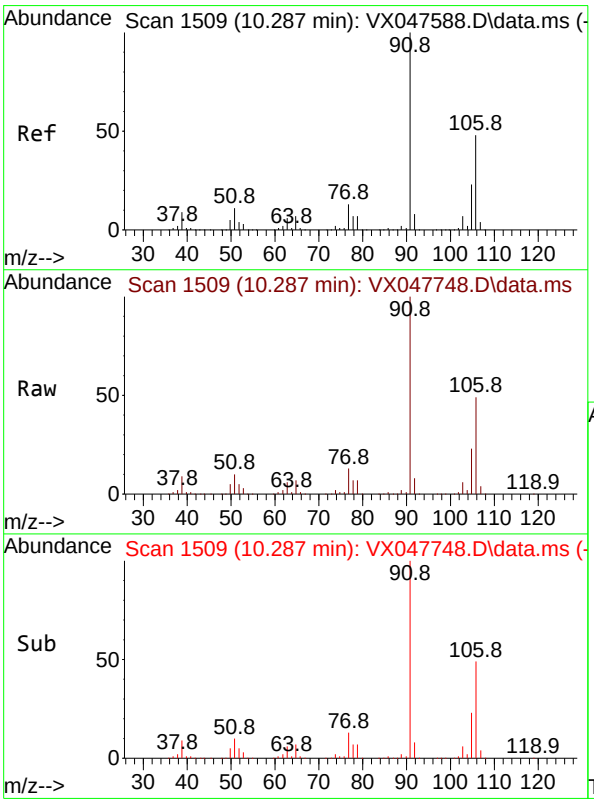

#67
Ethyl Benzene
Concen: 20.757 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 91 Resp: 206630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.0 | 24.3 | 36.5 |

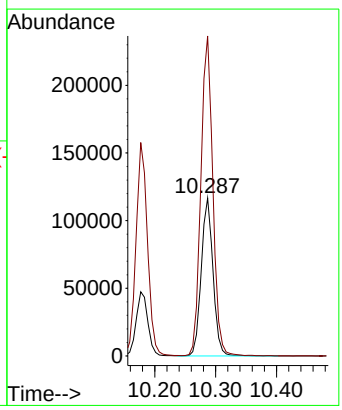


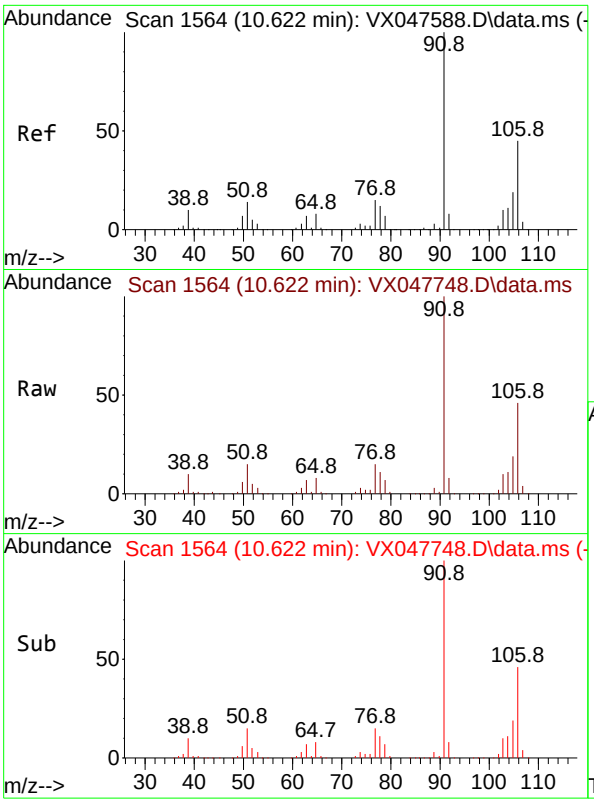




#68
m/p-Xylenes
Concen: 42.264 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:106 Resp: 156597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 206.5 | 167.8 | 251.8 |



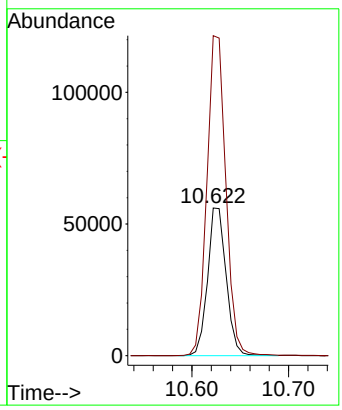


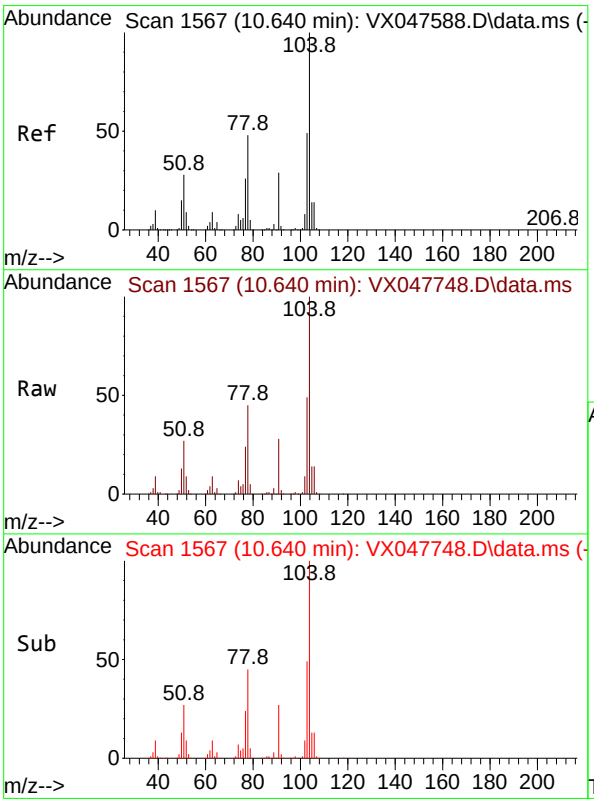

#69
o-Xylene
Concen: 20.945 ug/l
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:106 Resp: 75062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 221.1 | 111.1 | 333.4 |

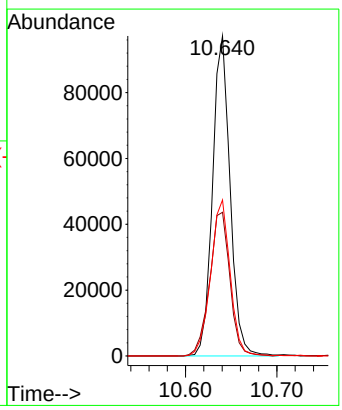


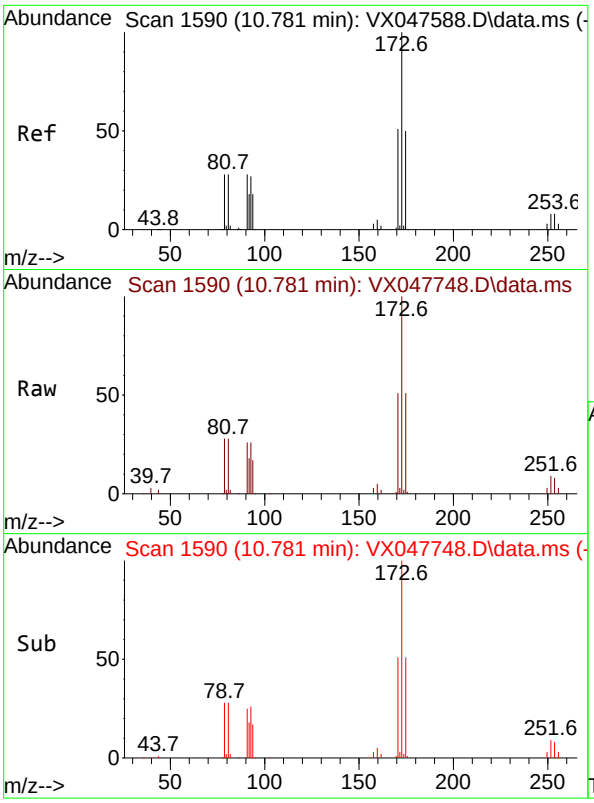




#70
Styrene
Concen: 20.651 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:104 Resp: 129679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.9 | 43.1 | 64.7 |
| 103 | 53.9 | 43.1 | 64.7 |



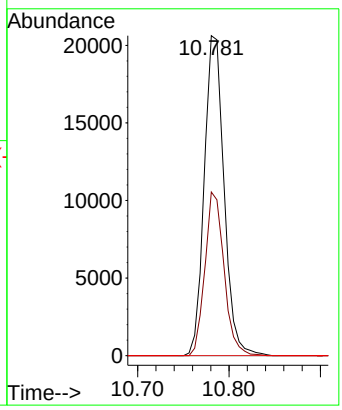


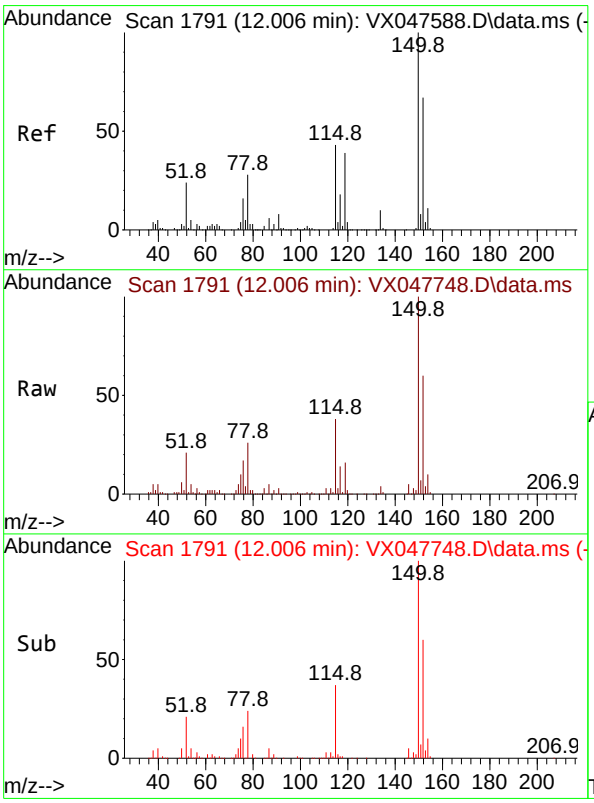

#71
Bromoform
Concen: 20.854 ug/l
RT: 10.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:173 Resp: 31001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

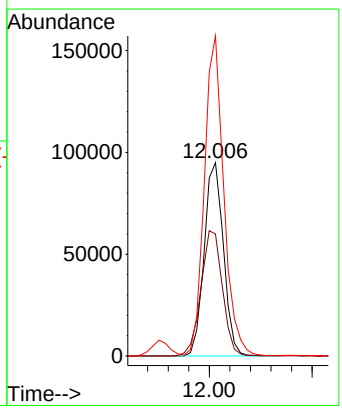


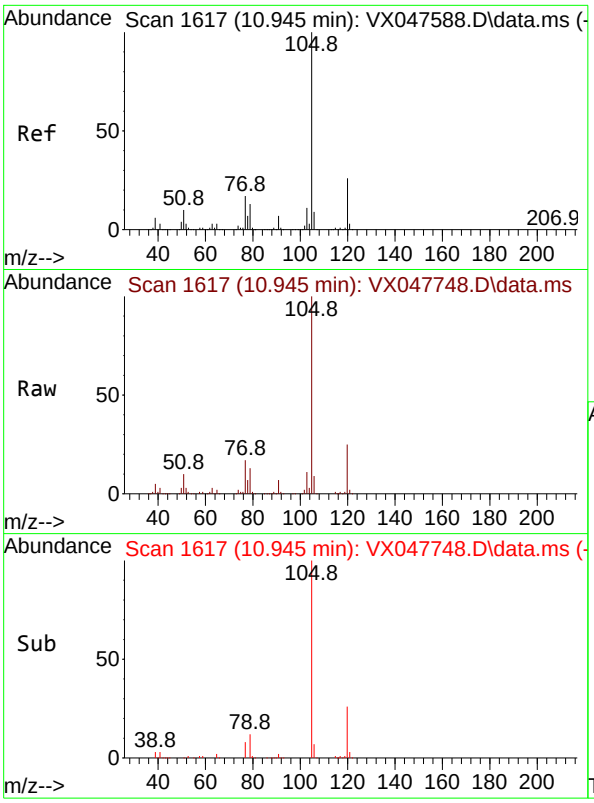




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:152 Resp: 123765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 71.9 | 44.9 | 134.5 |
| 150 | 166.4 | 0.0 | 352.0 |



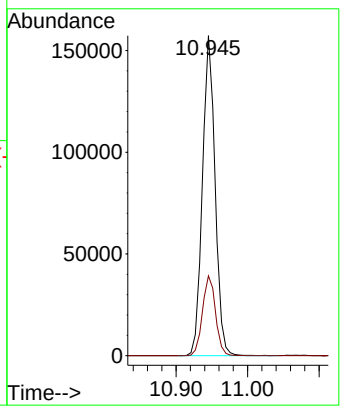


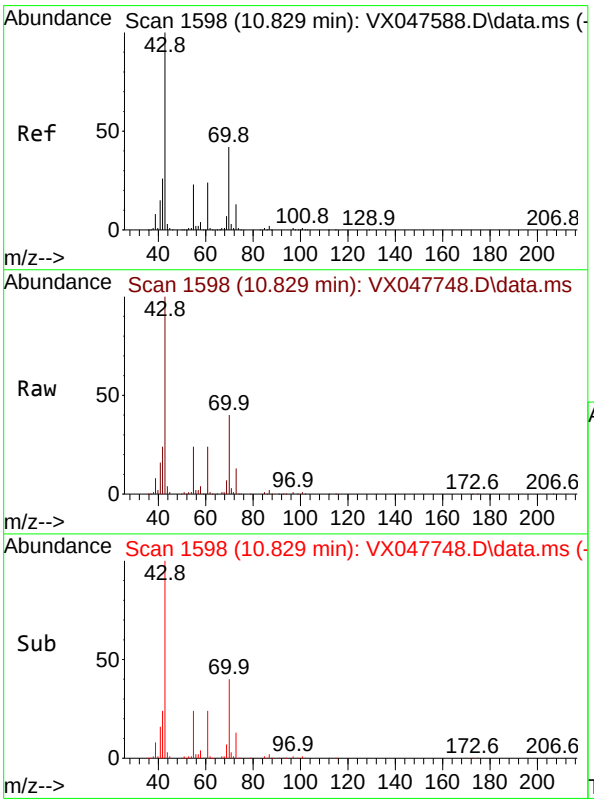

#73
Isopropylbenzene
Concen: 20.548 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:105 Resp: 193342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 25.7 | 12.8 | 38.4 |

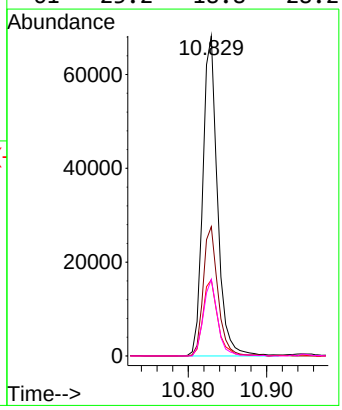


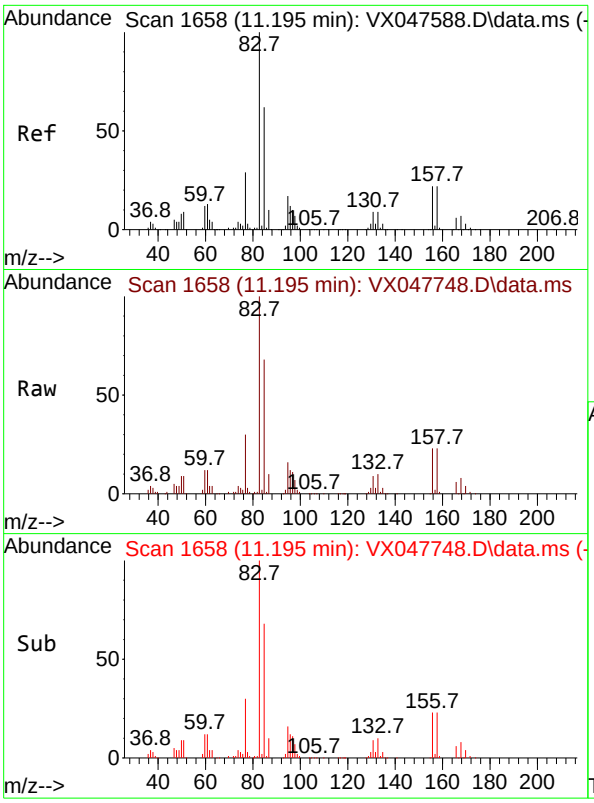




#74
N-amyl acetate
Concen: 20.640 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 43 Resp: 88563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 24.1 | 18.9 | 28.3 |
| 61 | 23.2 | 18.8 | 28.2 |



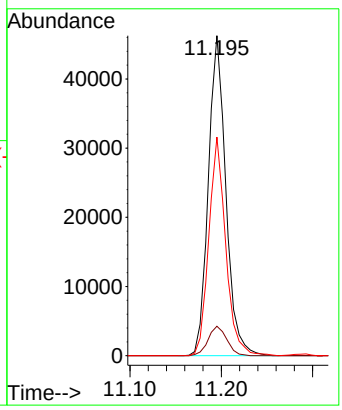


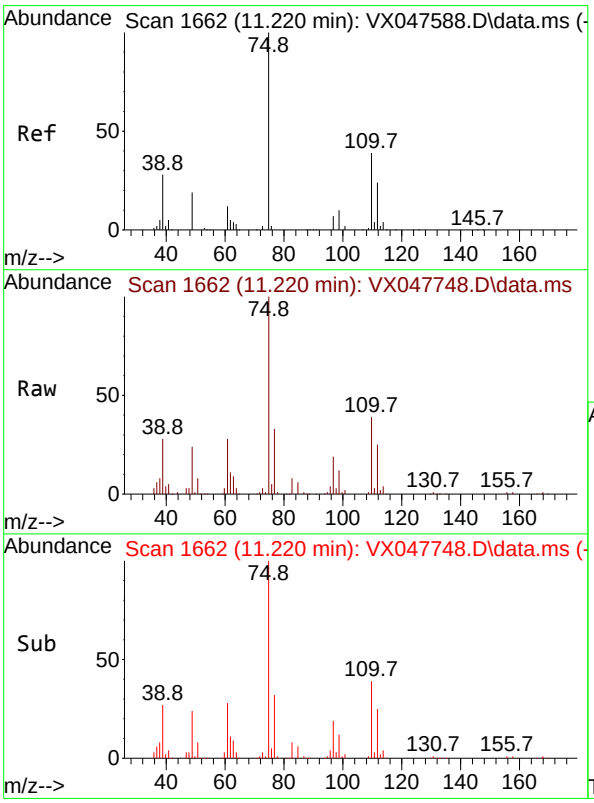

#75
1,1,2,2-Tetrachloroethane
Concen: 21.584 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 83 Resp: 61446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 66.0 | 31.6 | 95.0 |

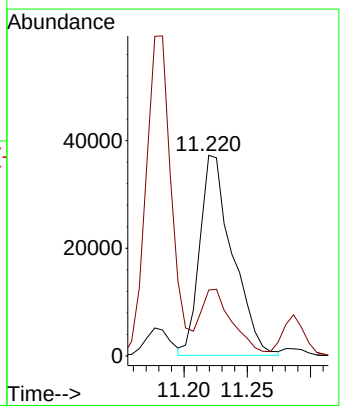


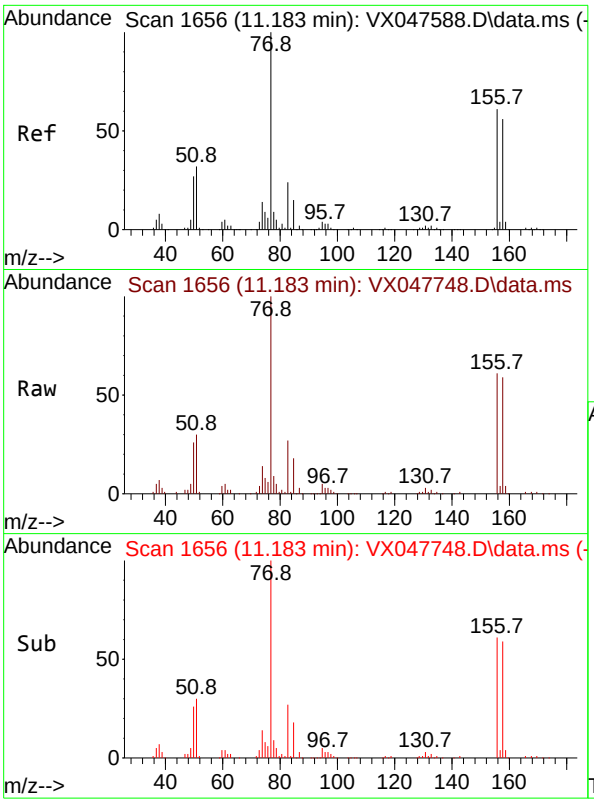




#76
1,2,3-Trichloropropane
Concen: 26.701 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 66910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.9 | 18.8 | 56.4 |



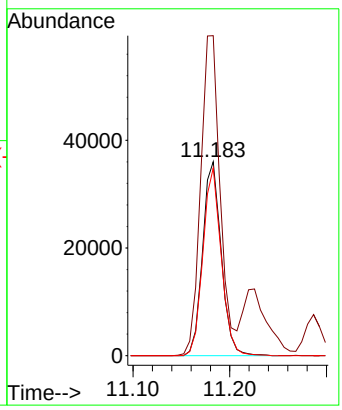


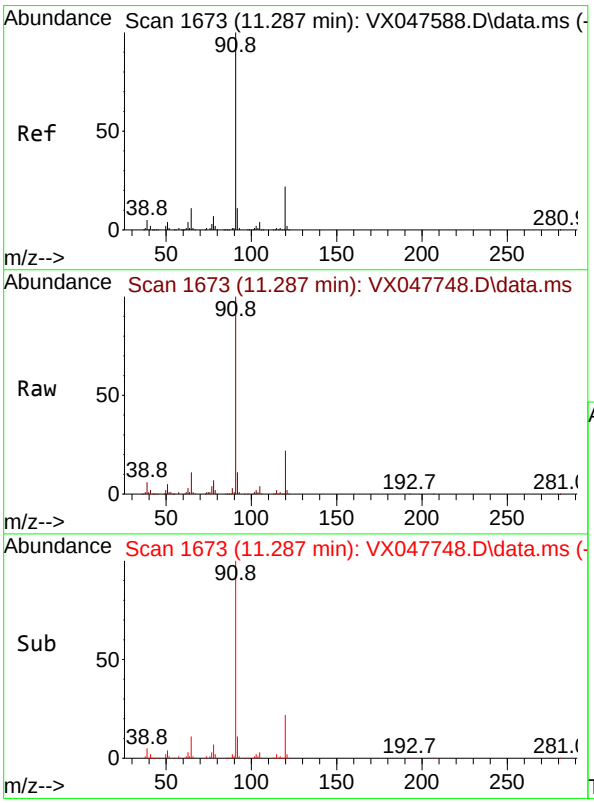

#77
Bromobenzene
Concen: 20.791 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:156 Resp: 48182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.7 | 89.7 | 269.1 |
| 158 | 95.4 | 47.9 | 143.6 |

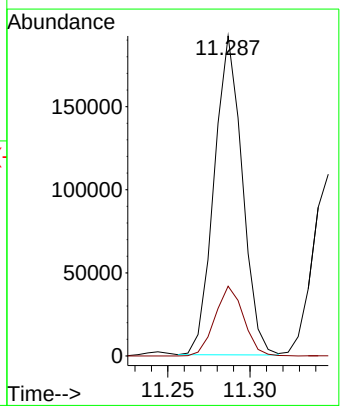


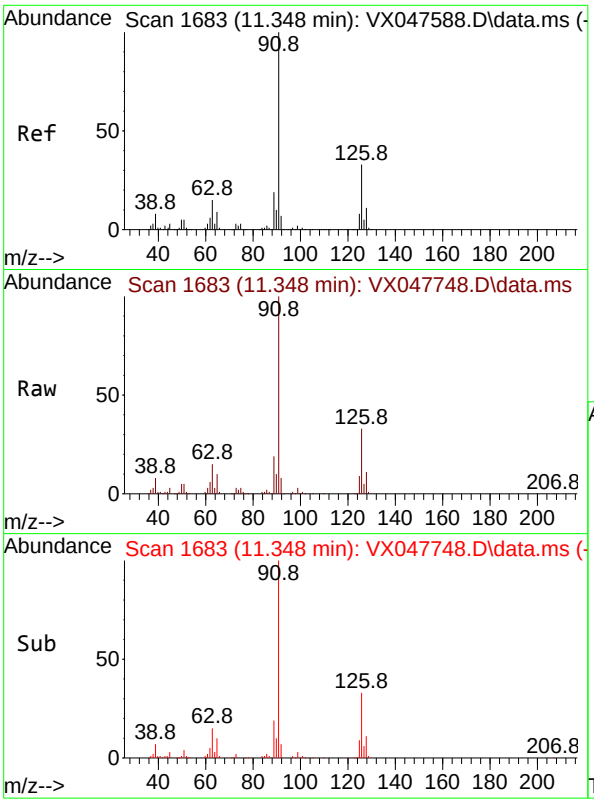




#78
n-propylbenzene
Concen: 20.542 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 228489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.3 | 11.1 | 33.1 |



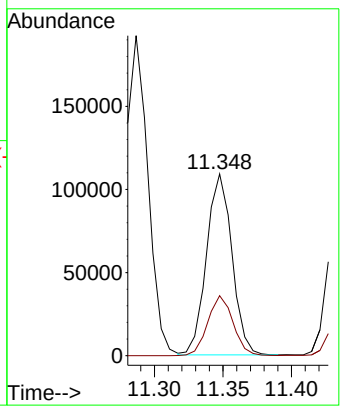


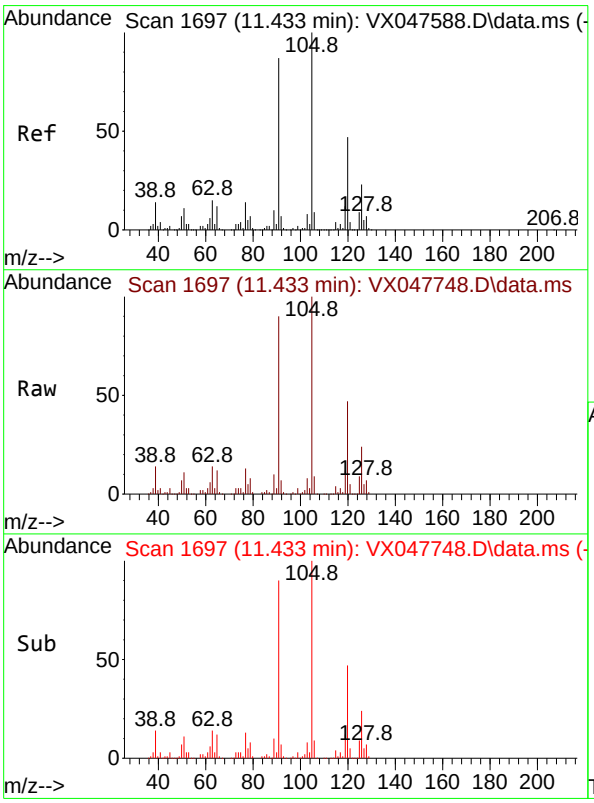

#79
2-Chlorotoluene
Concen: 20.647 ug/l
RT: 11.348 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 91 Resp: 140664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.0 | 16.1 | 48.3 |

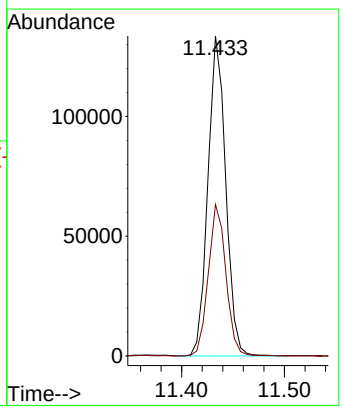


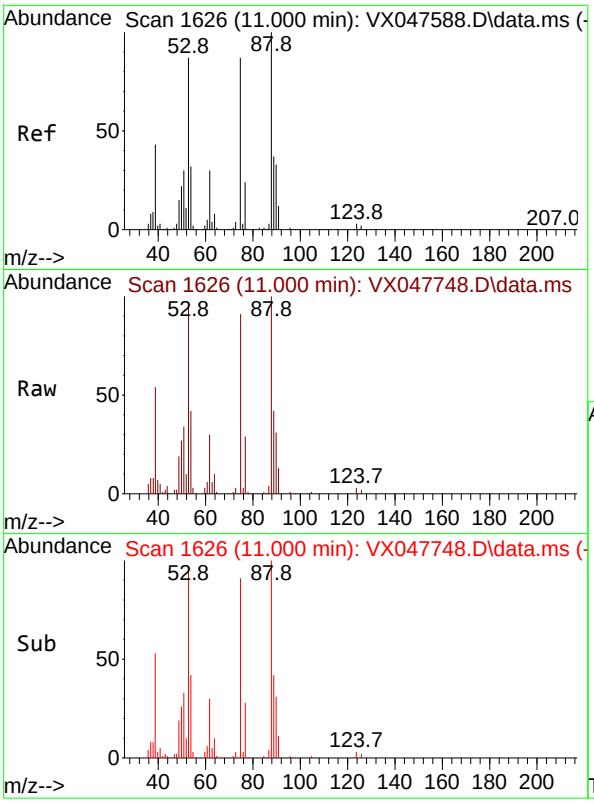




#80
1,3,5-Trimethylbenzene
Concen: 20.764 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 160516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.0 | 23.6 | 70.8 |



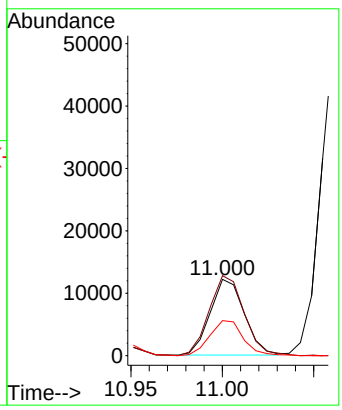


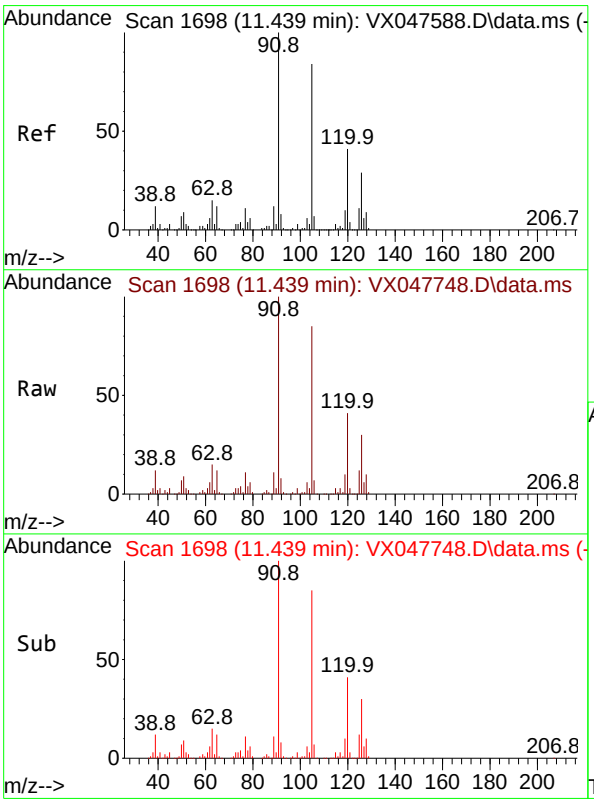

#81
trans-1,4-Dichloro-2-butene
Concen: 16.123 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 75 Resp: 15843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 108.2 | 83.4 | 125.2 |
| 89 | 45.5 | 36.3 | 54.5 |

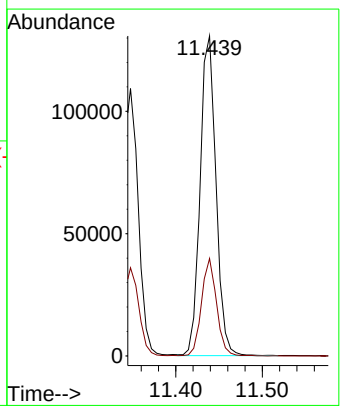


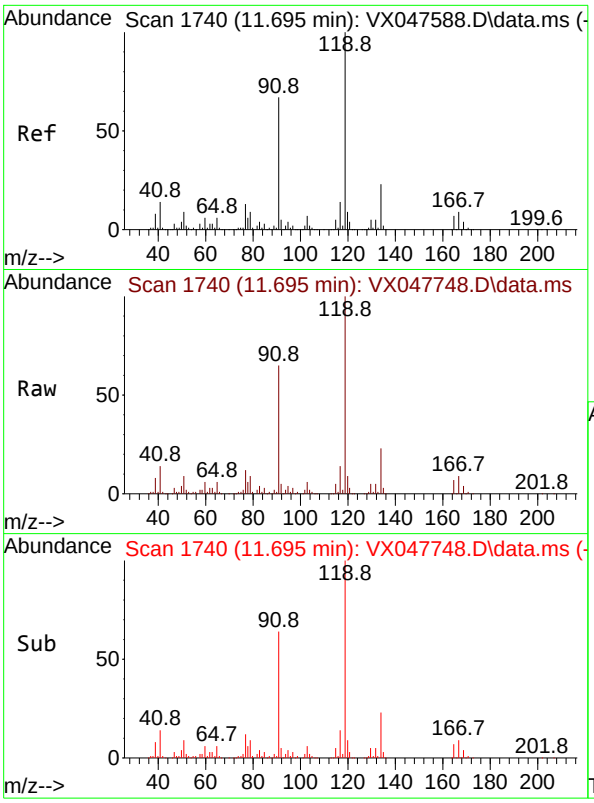




#82
4-Chlorotoluene
Concen: 20.635 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 91 Resp: 166032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.2 | 14.2 | 42.6 |



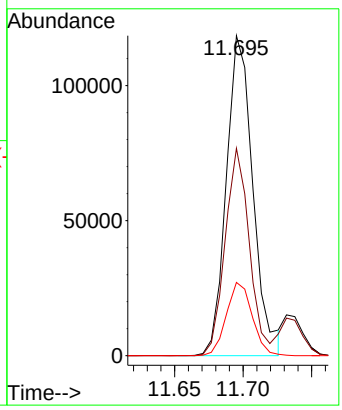


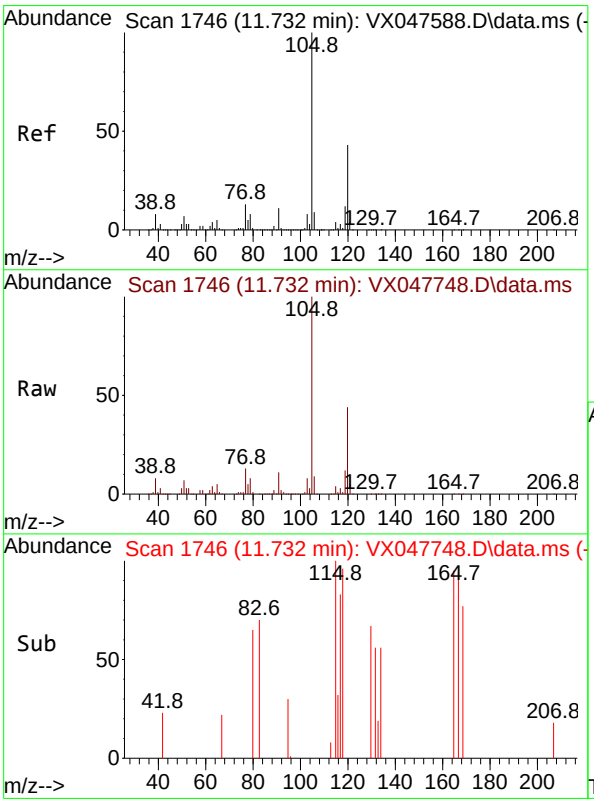

#83
tert-Butylbenzene
Concen: 20.248 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:119 Resp: 160239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.0 | 29.6 | 88.8 |
| 134 | 22.2 | 11.0 | 33.0 |

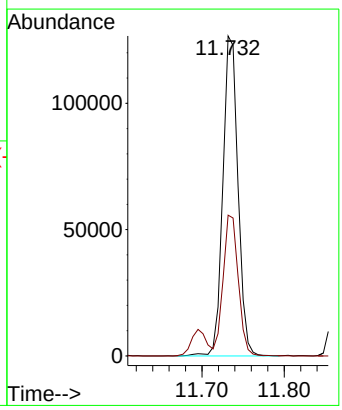


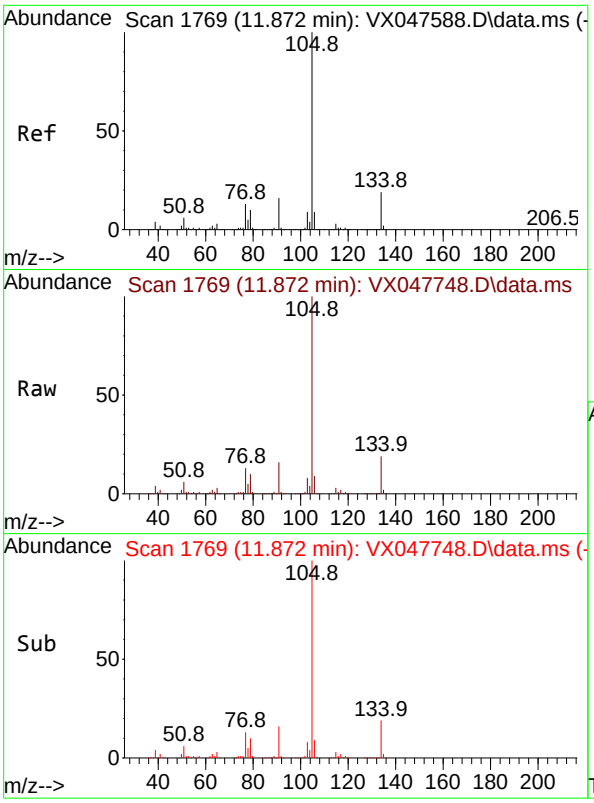




#84
1,2,4-Trimethylbenzene
Concen: 20.665 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:105 Resp: 161967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 44.1 | 22.1 | 66.1 |



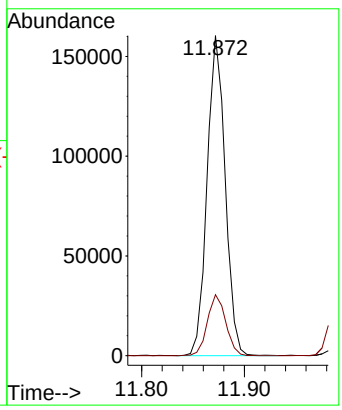


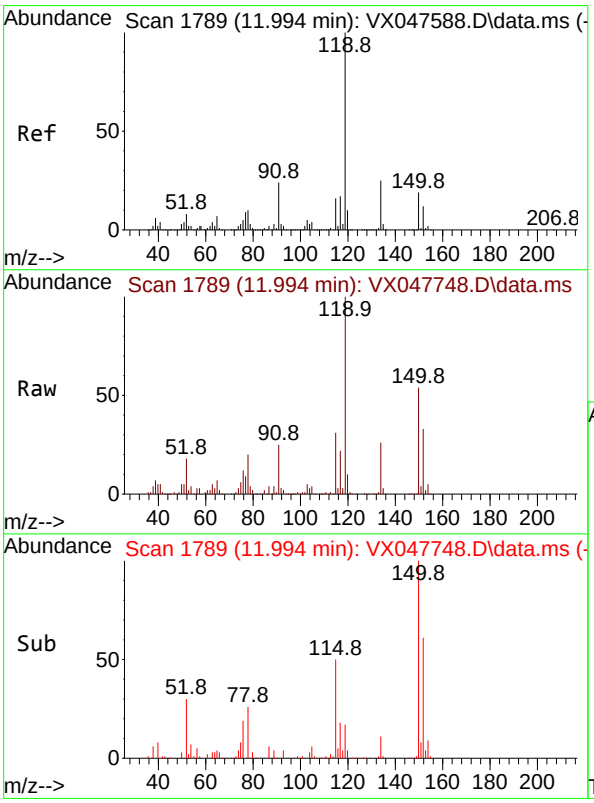

#85
sec-Butylbenzene
Concen: 20.870 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:105 Resp: 196176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |

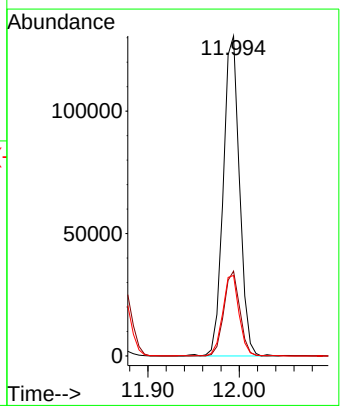


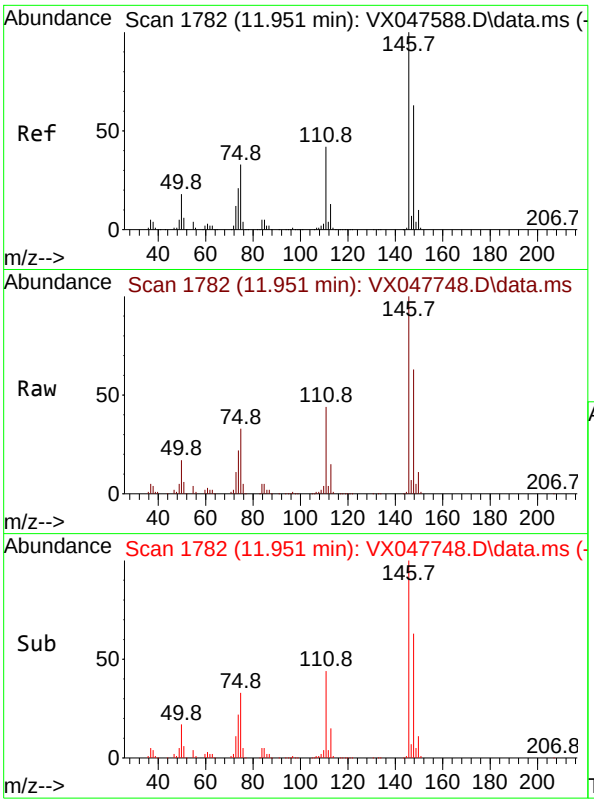




#86
p-Isopropyltoluene
Concen: 20.326 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:119 Resp: 161751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.6 | 37.8 |
| 91 | 25.6 | 12.6 | 37.6 |



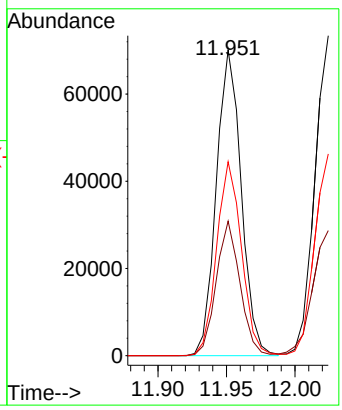


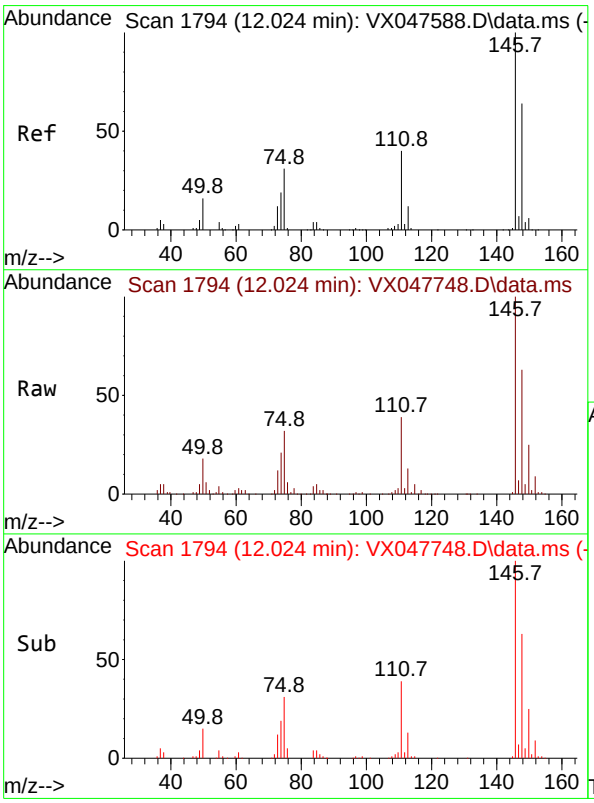

#87
1,3-Dichlorobenzene
Concen: 20.598 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:146 Resp: 88665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.5 | 64.5 |
| 148 | 63.3 | 32.0 | 96.0 |

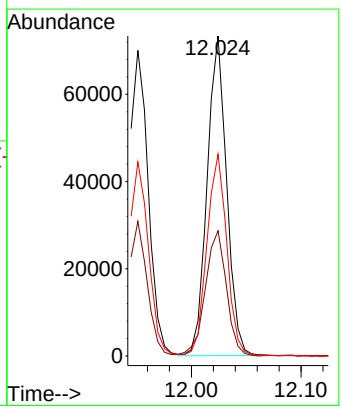


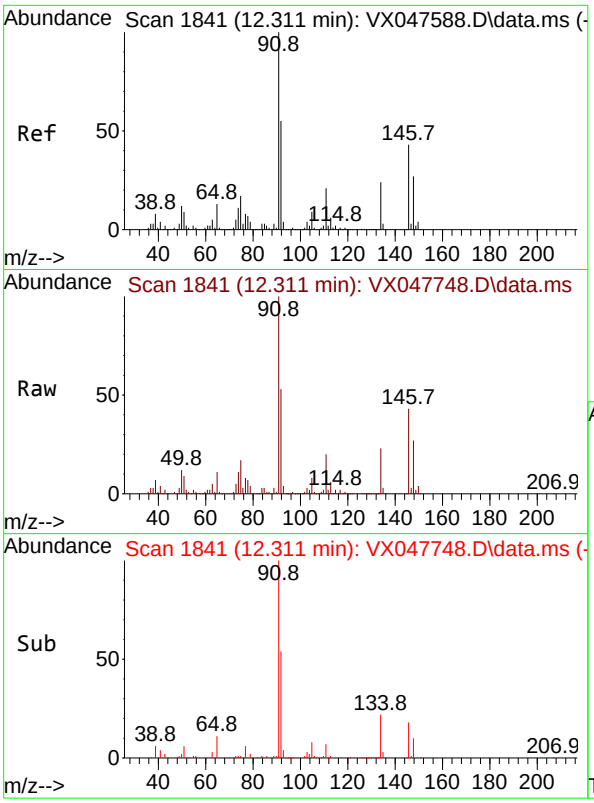




#88
1,4-Dichlorobenzene
Concen: 20.539 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:146 Resp: 90738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.6 | 20.8 | 62.4 |
| 148 | 64.3 | 31.7 | 95.1 |



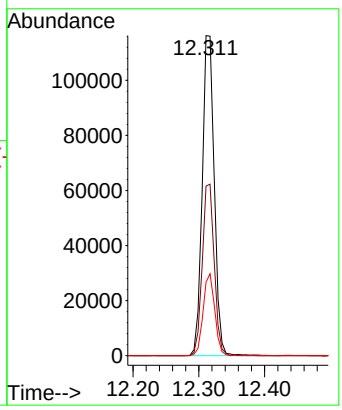


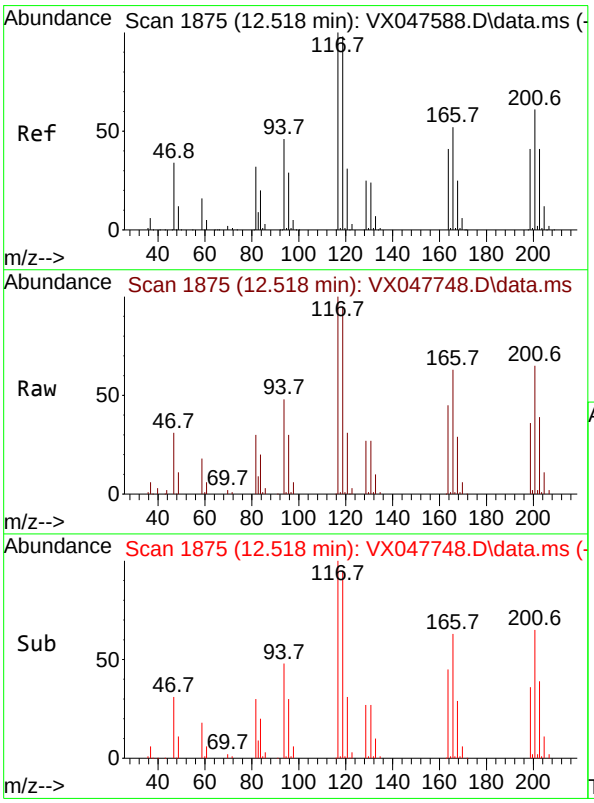

#89
n-Butylbenzene
Concen: 20.116 ug/l
RT: 12.311 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion: 91 Resp: 148126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 27.6 | 82.7 |
| 134 | 24.7 | 12.6 | 37.8 |

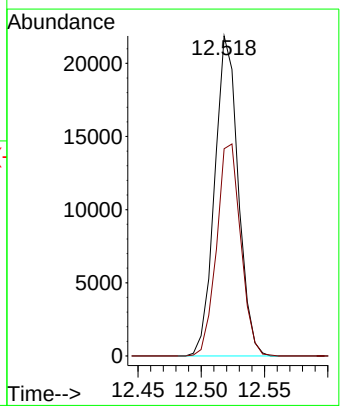


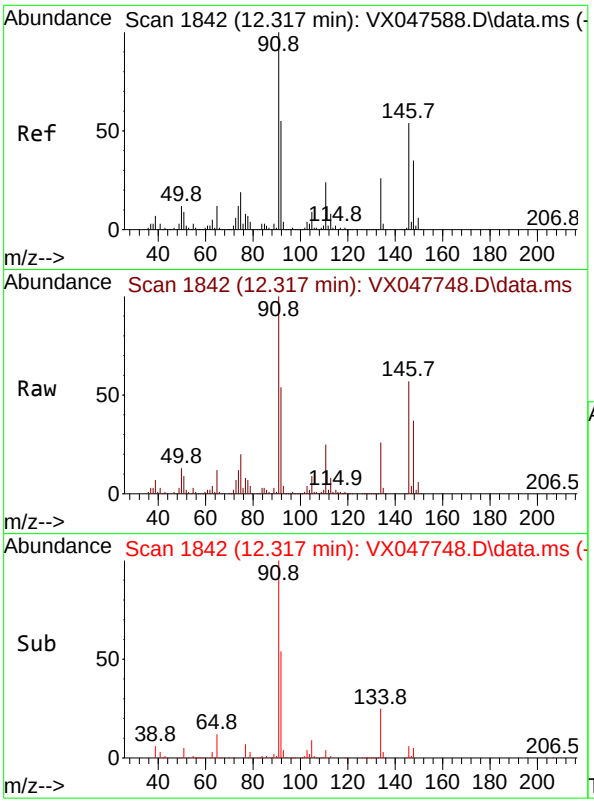




#90
Hexachloroethane
Concen: 20.199 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:117 Resp: 28222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.0 | 34.2 | 102.5 |



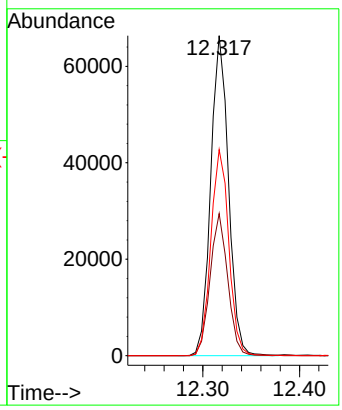


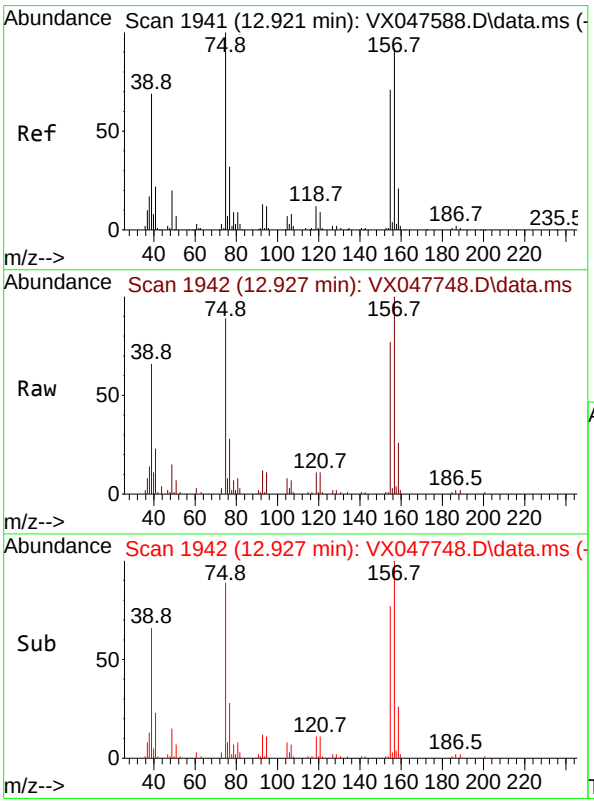

#91
1,2-Dichlorobenzene
Concen: 20.655 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:146 Resp: 84704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 44.1 | 22.2 | 66.6 |
| 148 | 65.0 | 31.8 | 95.4 |

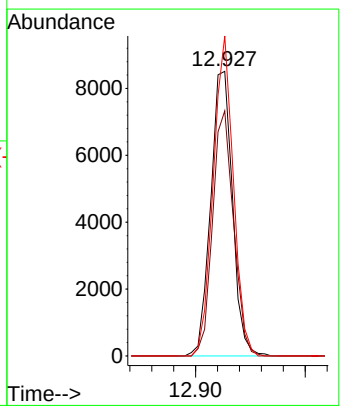


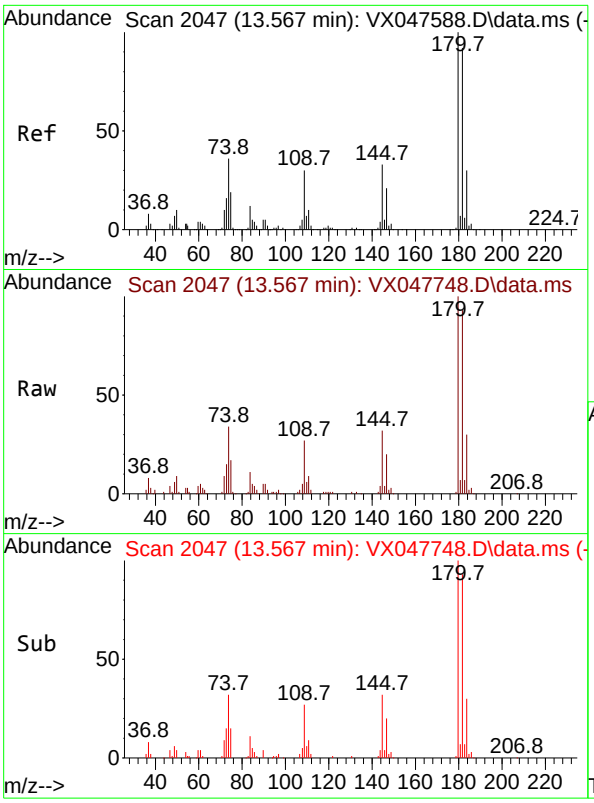




#92
1,2-Dibromo-3-Chloropropane
Concen: 20.397 ug/l
RT: 12.927 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion: 75 Resp: 11756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.8 | 37.7 | 113.1 |
| 157 | 104.0 | 49.8 | 149.4 |



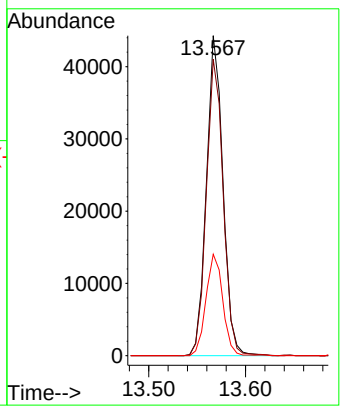


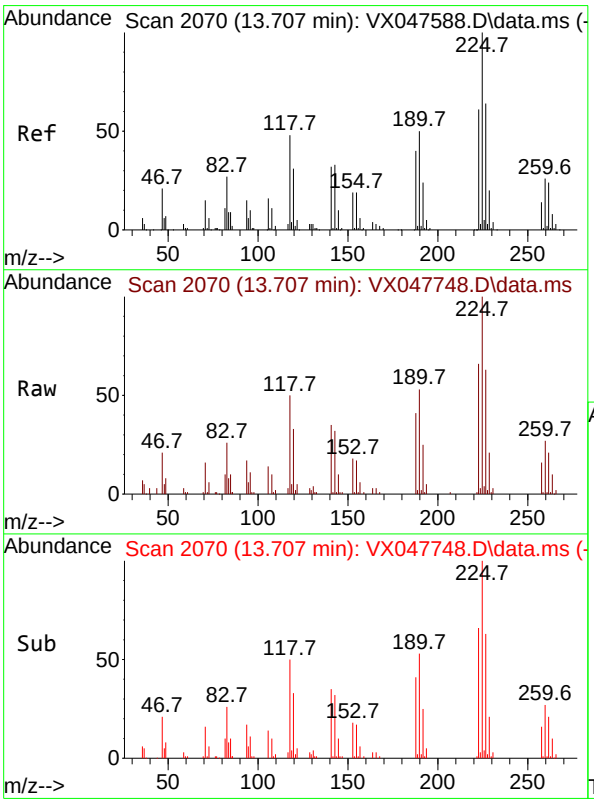

#93
1,2,4-Trichlorobenzene
Concen: 19.802 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:180 Resp: 52777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 46.6 | 139.8 |
| 145 | 32.3 | 16.4 | 49.1 |

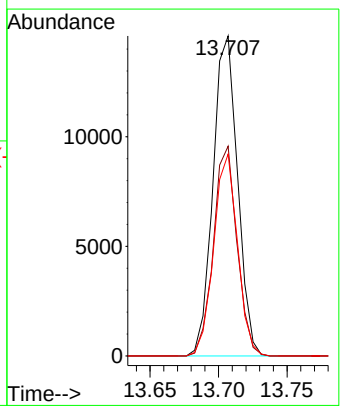


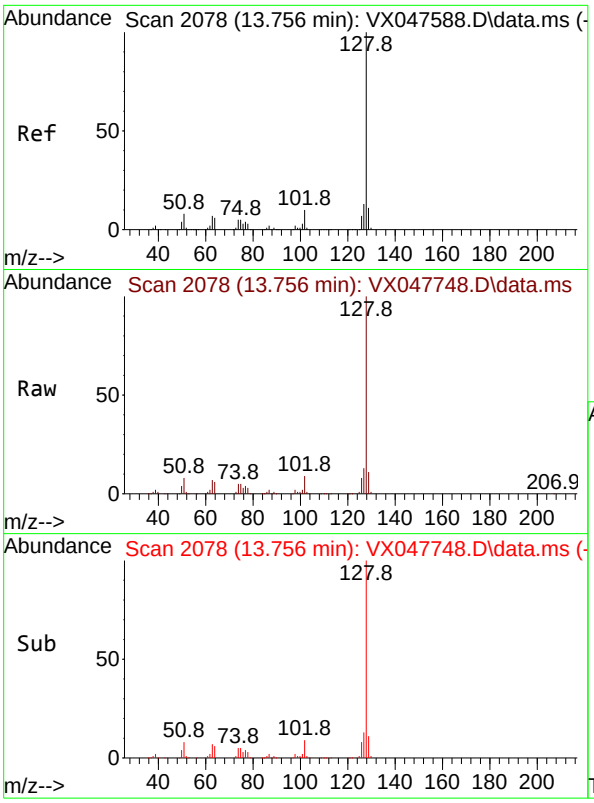




#94
Hexachlorobutadiene
Concen: 20.094 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:225 Resp: 18191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.0 | 31.7 | 95.1 |
| 227 | 61.1 | 32.0 | 96.0 |



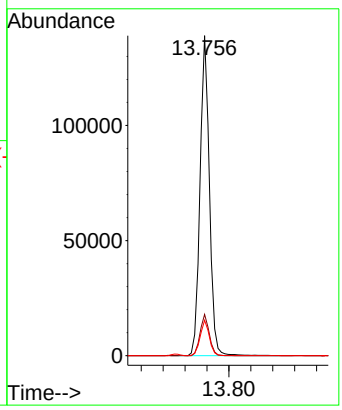


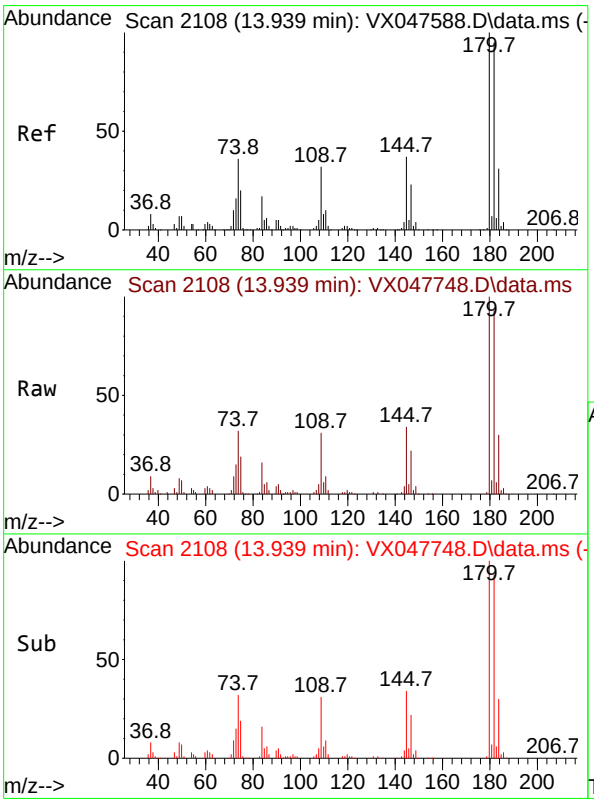

#95
Naphthalene
Concen: 20.298 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBS03

Tgt Ion:128 Resp: 164732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.7 | 8.8 | 13.2 |

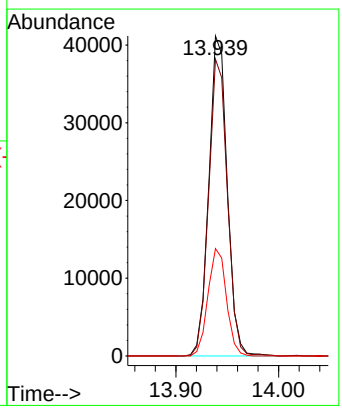



#96
1,2,3-Trichlorobenzene
Concen: 20.708 ug/l
RT: 13.939 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047748.D
Acq: 24 Sep 2025 03:53

Tgt Ion:180 Resp: 51341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.0 | 47.6 | 142.8 |
| 145 | 33.5 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.537 | 168 | 154222 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.751 | 114 | 281988 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 254297 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 124629 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 123608 | 50.353 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 100.700% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 97017 | 51.300 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.600% | | | |
| 50) Toluene-d8 | 8.634 | 98 | 341263 | 52.151 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 104.300% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 129425 | 52.114 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 104.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 31354 | 19.633 | ug/l | 97 |
| 3) Chloromethane | 1.300 | 50 | 38808 | 18.490 | ug/l | 99 |
| 4) Vinyl Chloride | 1.380 | 62 | 37889 | 18.441 | ug/l | 98 |
| 5) Bromomethane | 1.617 | 94 | 25717 | 19.739 | ug/l | 95 |
| 6) Chloroethane | 1.697 | 64 | 24132 | 17.573 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 53751 | 17.620 | ug/l | 92 |
| 8) Diethyl Ether | 2.136 | 74 | 20543 | 16.462 | ug/l | 94 |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 30800 | 17.267 | ug/l | 98 |
| 10) Methyl Iodide | 2.459 | 142 | 46724 | 16.795 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.940 | 59 | 25276 | 92.450 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 32967 | 17.992 | ug/l | 96 |
| 13) Acrolein | 2.239 | 56 | 22043 | 87.491 | ug/l | 98 |
| 14) Allyl chloride | 2.666 | 41 | 61383 | 16.234 | ug/l | 97 |
| 15) Acrylonitrile | 3.062 | 53 | 99171 | 97.927 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 80974 | 75.863 | ug/l | 99 |
| 17) Carbon Disulfide | 2.520 | 76 | 90054 | 17.953 | ug/l | 99 |
| 18) Methyl Acetate | 2.703 | 43 | 47143 | 19.846 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 116727 | 17.451 | ug/l | 99 |
| 20) Methylene Chloride | 2.788 | 84 | 39914 | 17.666 | ug/l | 96 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 35110 | 17.798 | ug/l | 98 |
| 22) Diisopropyl ether | 3.757 | 45 | 128843 | 17.583 | ug/l | 99 |
| 23) Vinyl Acetate | 3.715 | 43 | 514138 | 87.666 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.611 | 63 | 68705 | 17.640 | ug/l | 99 |
| 25) 2-Butanone | 4.544 | 43 | 120923 | 90.824 | ug/l | 95 |
| 26) 2,2-Dichloropropane | 4.471 | 77 | 34586 | 10.683 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 43152 | 17.862 | ug/l | 94 |
| 28) Bromochloromethane | 4.891 | 49 | 36933 | 21.721 | ug/l | 97 |
| 29) Tetrahydrofuran | 4.995 | 42 | 77415 | 96.655 | ug/l | 99 |
| 30) Chloroform | 5.086 | 83 | 70538 | 17.922 | ug/l | 95 |
| 31) Cyclohexane | 5.464 | 56 | 56532 | 17.427 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 59999 | 17.972 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.684 | 75 | 45756 | 16.558 | ug/l | 98 |
| 37) Ethyl Acetate | 4.708 | 43 | 53875 | 18.208 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 49639 | 16.532 | ug/l | 94 |
| 39) Methylcyclohexane | 7.366 | 83 | 52216 | 16.646 | ug/l | 97 |
| 40) Benzene | 6.025 | 78 | 148339 | 17.674 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 28598 | 18.722 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 53538 | 16.765 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 88000 | 18.134 | ug/l | | 100 |
| 44) Trichloroethene | 7.110 | 130 | 36283 | 17.881 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 38455 | 17.893 | ug/l | | 94 |
| 46) Dibromomethane | 7.568 | 93 | 28033 | 17.924 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.811 | 83 | 56375 | 17.468 | ug/l | | 94 |
| 48) Methyl methacrylate | 7.683 | 41 | 41895 | 17.332 | ug/l | | 97 |
| 49) 1,4-Dioxane | 7.647 | 88 | 10914 | 446.778 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.561 | 43 | 259334 | 96.387 | ug/l | | 100 |
| 52) Toluene | 8.708 | 92 | 91422 | 17.679 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 52789 | 16.036 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 56367 | 16.020 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 36370 | 18.240 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.104 | 69 | 56127 | 17.924 | ug/l | | 97 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 63358 | 18.497 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 150794 | 107.686 | ug/l | | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 181591 | 93.973 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 41641 | 18.125 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.598 | 107 | 38724 | 19.067 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.262 | 164 | 30658 | 18.494 | ug/l | | 93 |
| 65) Chlorobenzene | 10.061 | 112 | 102193 | 17.689 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 34887 | 17.500 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 171255 | 17.180 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.287 | 106 | 130995 | 35.307 | ug/l | | 99 |
| 69) o-Xylene | 10.628 | 106 | 62705 | 17.473 | ug/l | | 99 |
| 70) Styrene | 10.640 | 104 | 110018 | 17.497 | ug/l | | 98 |
| 71) Bromoform | 10.780 | 173 | 26057 | 17.505 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.945 | 105 | 160236 | 16.911 | ug/l | | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 74935 | 17.343 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 53151 | 18.541 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.226 | 75 | 53748 | 21.300 | ug/l | | 92 |
| 77) Bromobenzene | 11.183 | 156 | 40990 | 17.565 | ug/l | | 96 |
| 78) n-propylbenzene | 11.286 | 91 | 188833 | 16.859 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 115965 | 16.904 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 133906 | 17.201 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 13693 | 13.838 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 138107 | 17.045 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.701 | 119 | 133788 | 16.789 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.738 | 105 | 133626 | 16.931 | ug/l | | 97 |
| 85) sec-Butylbenzene | 11.872 | 105 | 162042 | 17.119 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 134959 | 16.841 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 75401 | 17.395 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 75954 | 17.073 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.317 | 91 | 121947 | 16.446 | ug/l | | 99 |
| 90) Hexachloroethane | 12.518 | 117 | 22920 | 16.291 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 72271 | 17.501 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.926 | 75 | 10228 | 17.622 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 43903 | 16.358 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 15848 | 17.385 | ug/l | | 96 |
| 95) Naphthalene | 13.756 | 128 | 138889 | 16.995 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.945 | 180 | 42676 | 17.094 | ug/l | | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

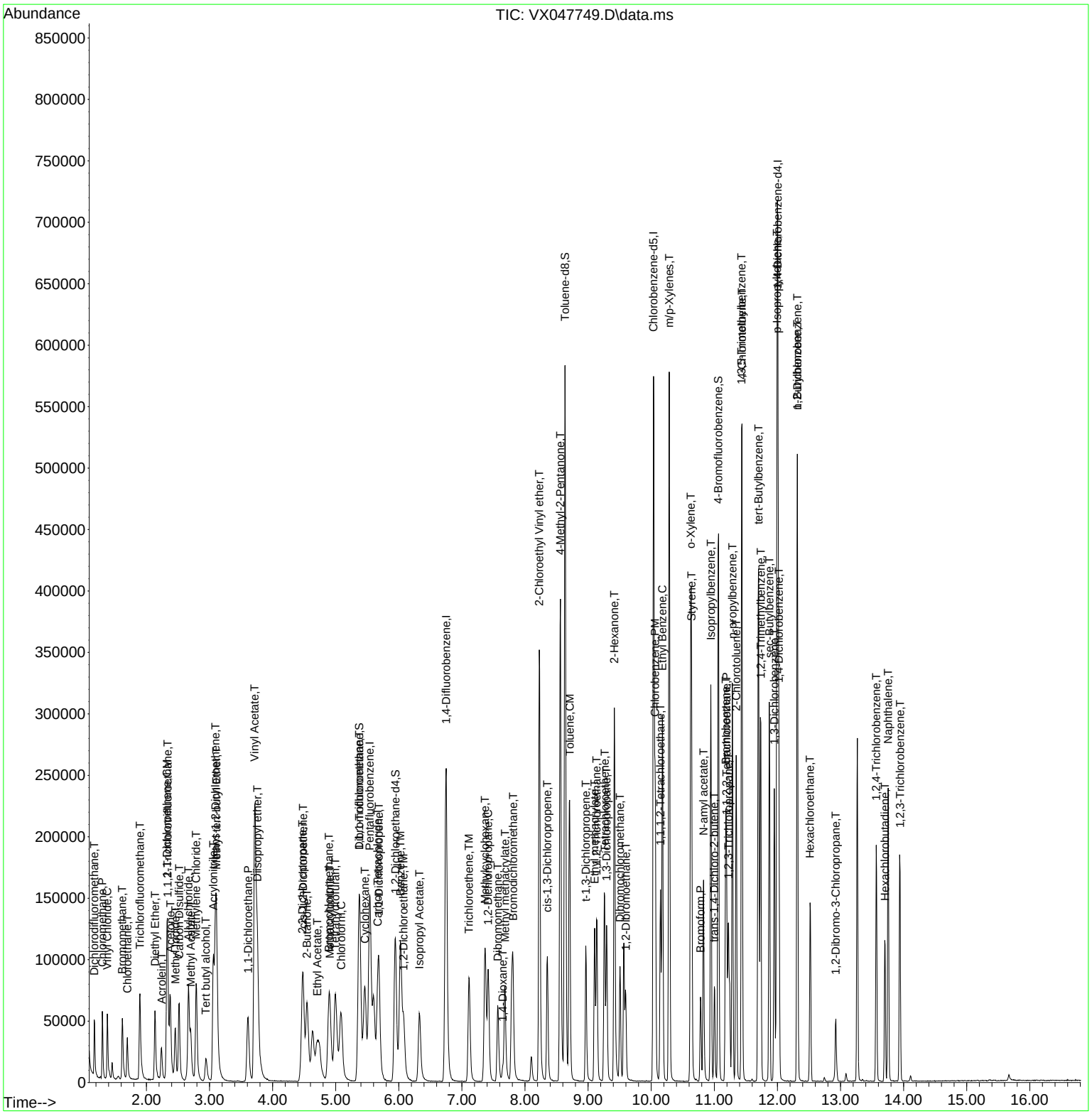
(#) = qualifier out of range (m) = manual integration (+) = signals summed

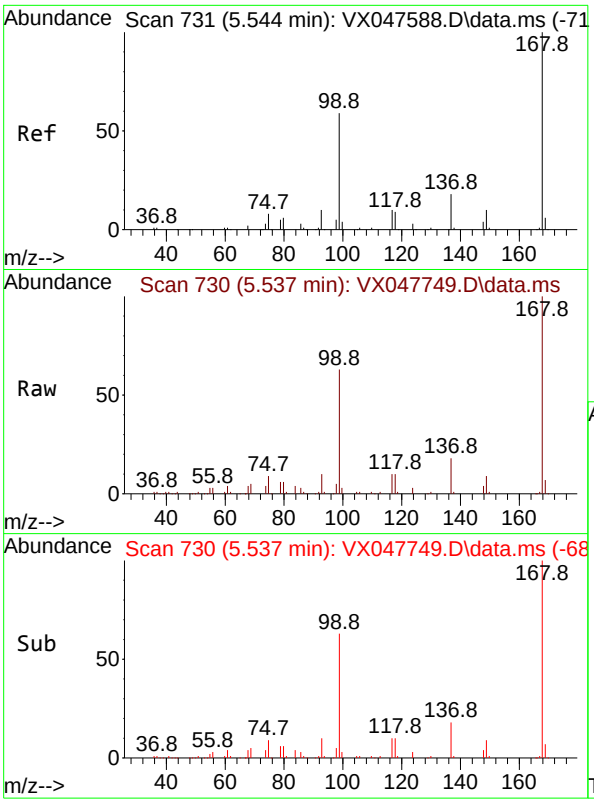
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047749.D
Acq On : 24 Sep 2025 04:14
Operator : JC/MD
Sample : VX0923WBSD03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Quant Time: Sep 24 05:33:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



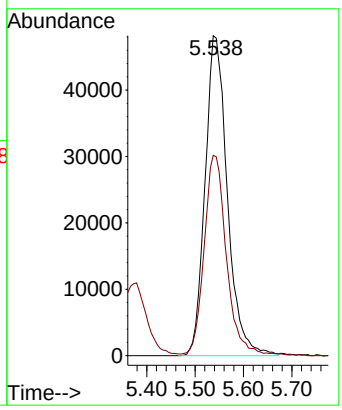


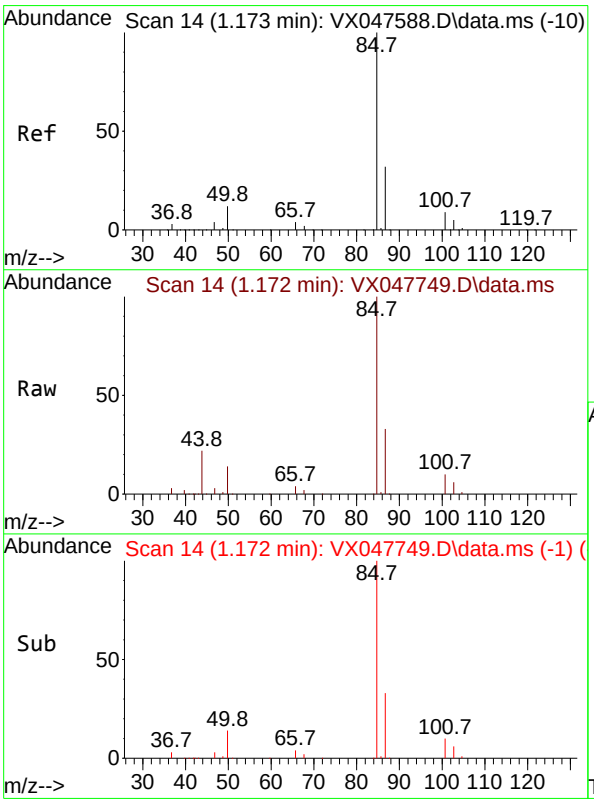

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:168 Resp: 154222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.0 | 48.8 | 73.2 |

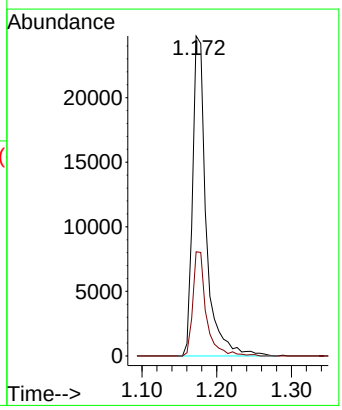


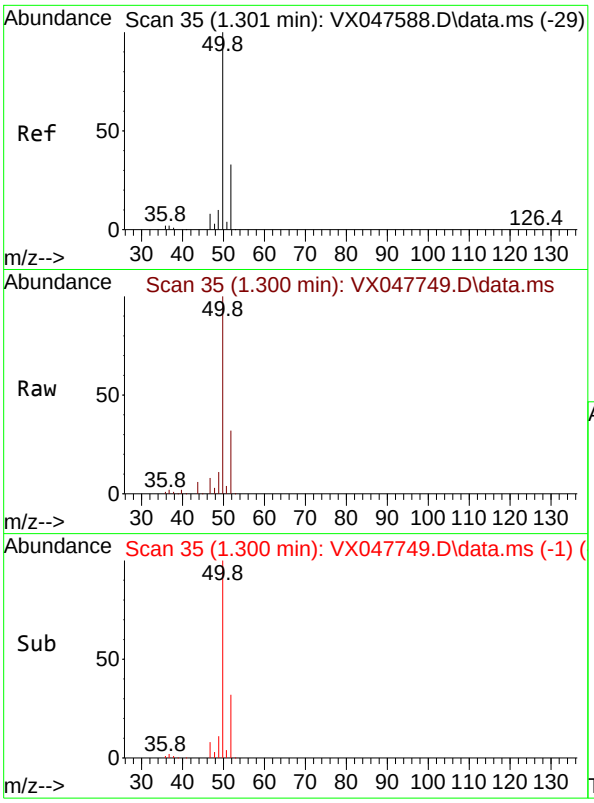




#2
Dichlorodifluoromethane
Concen: 19.633 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 85 Resp: 31354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 32.9 | 15.8 | 47.3 |



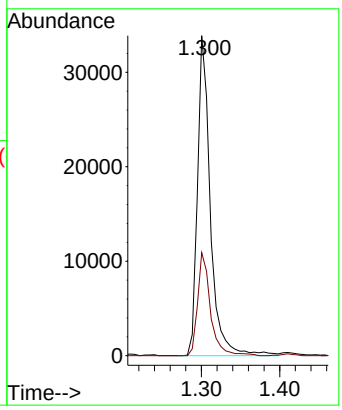


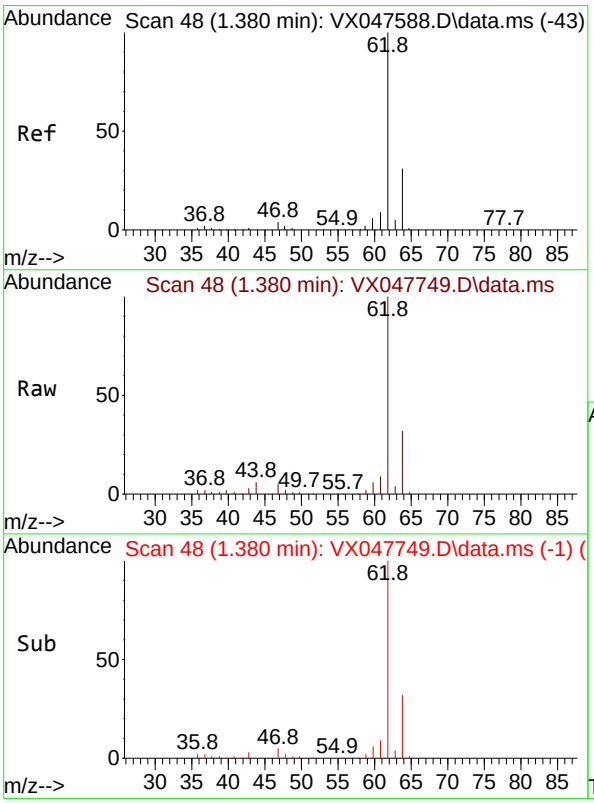

#3
Chloromethane
Concen: 18.490 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 50 Resp: 38808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 32.2 | 26.1 | 39.1 |

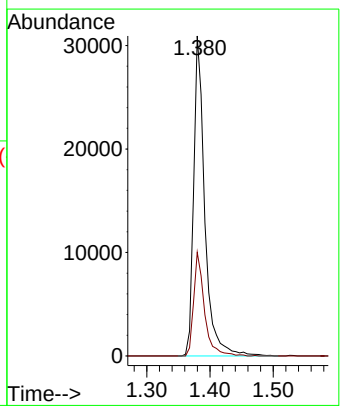


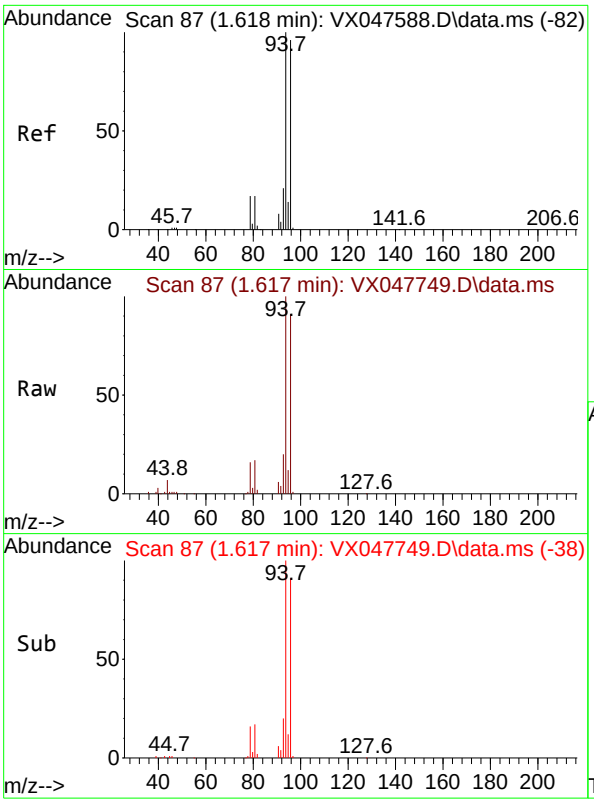




#4
Vinyl Chloride
Concen: 18.441 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 62 Resp: 37889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.4 | 24.9 | 37.3 |



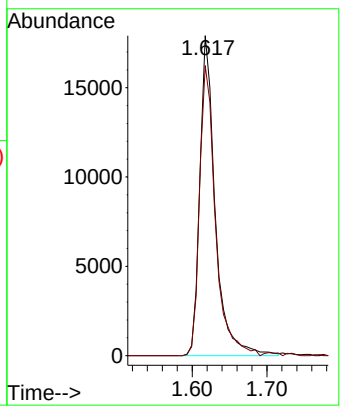


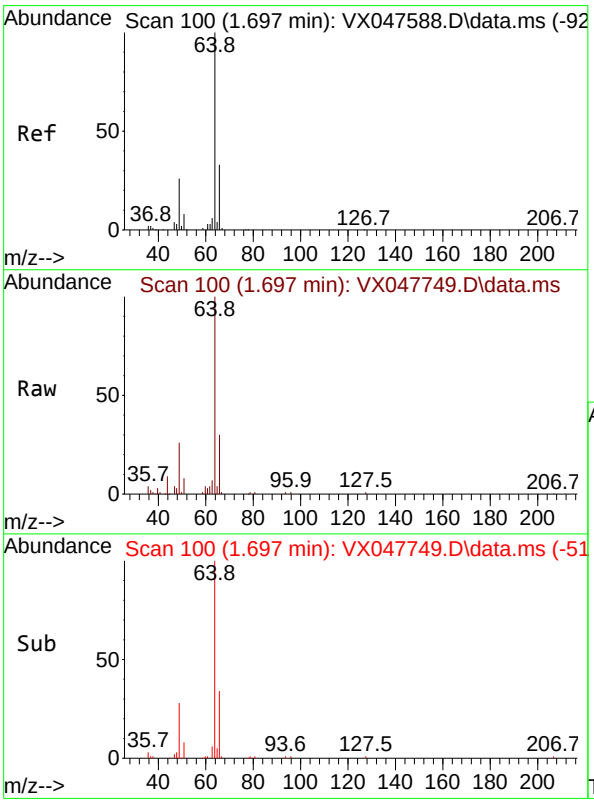

#5
Bromomethane
Concen: 19.739 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 94 Resp: 25717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 90.7 | 76.6 | 115.0 |

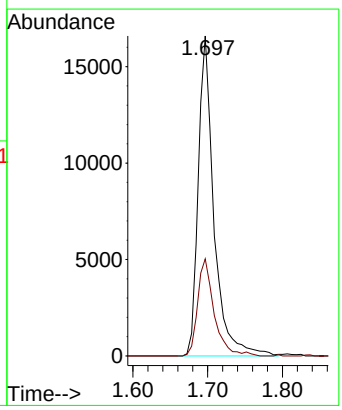


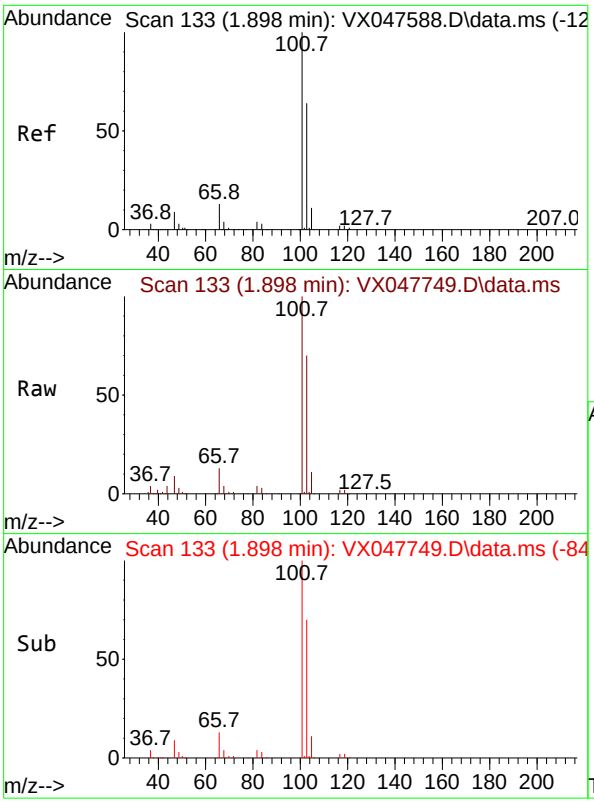




#6
Chloroethane
Concen: 17.573 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 64 Resp: 24132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 31.3 | 26.1 | 39.1 |



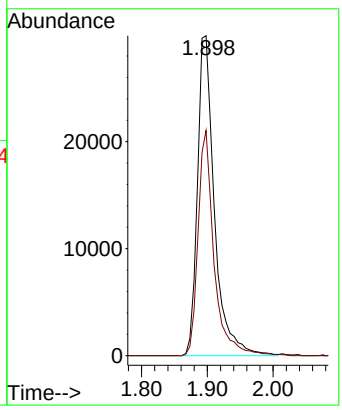


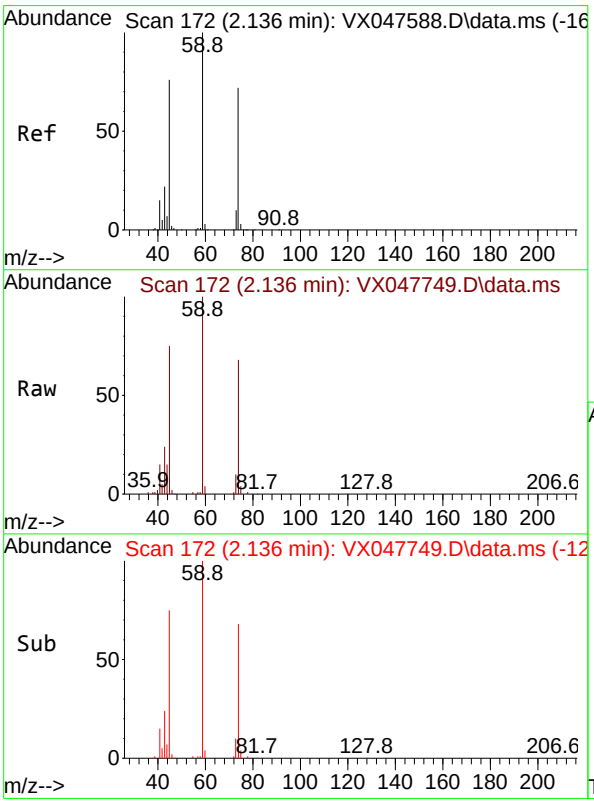

#7
Trichlorofluoromethane
Concen: 17.620 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:101 Resp: 53751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 70.4 | 51.4 | 77.2 |

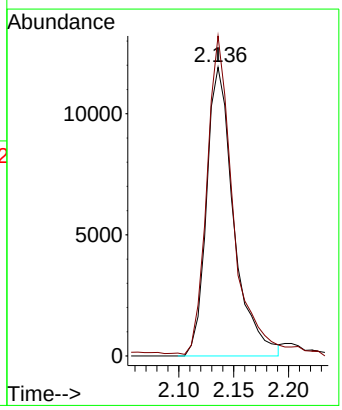


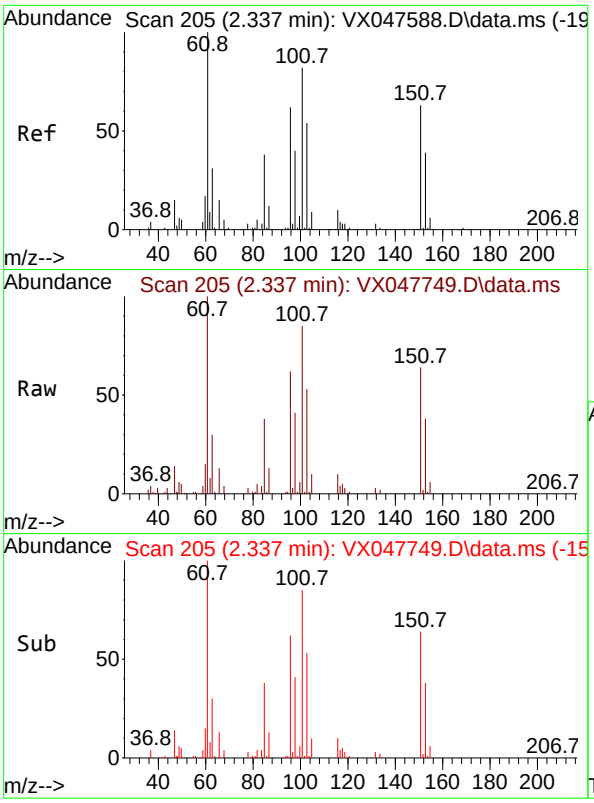




#8
Diethyl Ether
Concen: 16.462 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 74 Resp: 20543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 110.1 | 52.3 | 156.8 |



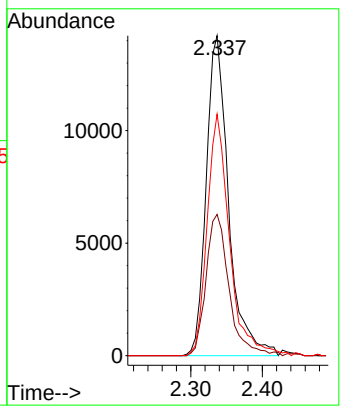


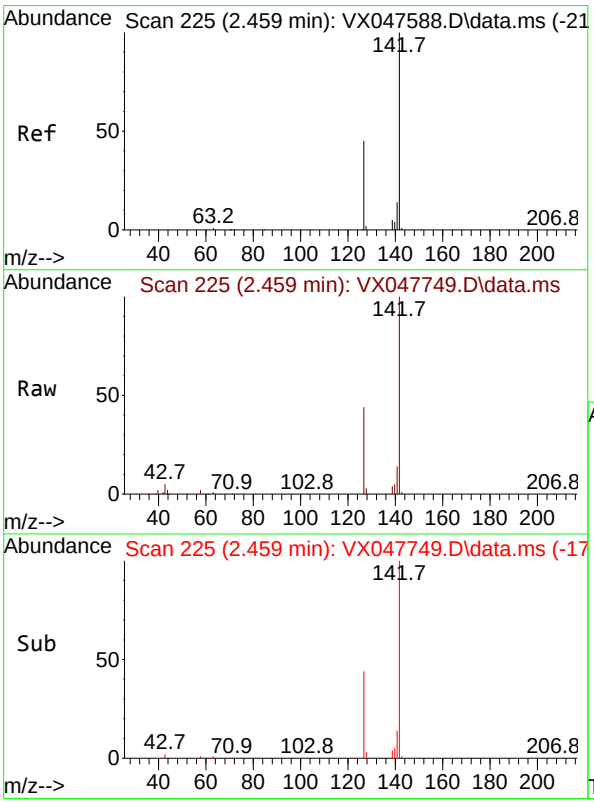

#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.267 ug/l
RT: 2.337 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:101 Resp: 30800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 45.6 | 35.5 | 53.3 |
| 151 | 75.6 | 59.4 | 89.0 |

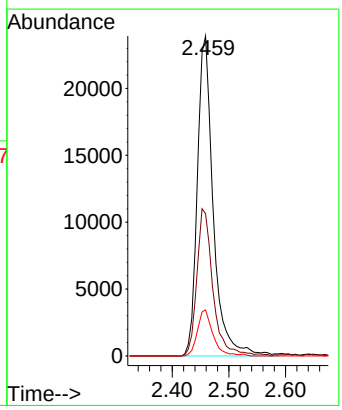


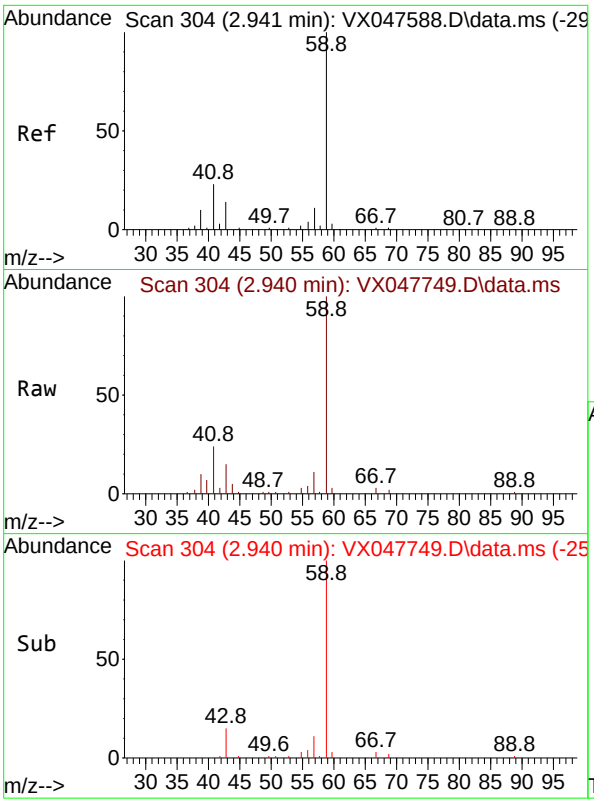




#10
Methyl Iodide
Concen: 16.795 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:142 Resp: 46724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.5 | 37.2 | 55.8 |
| 141 | 14.1 | 11.4 | 17.0 |



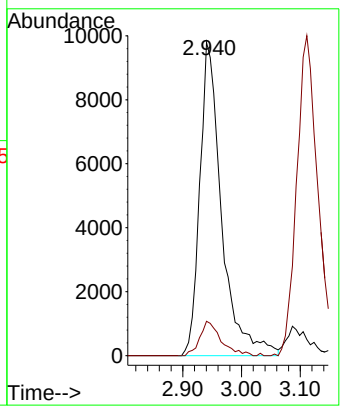


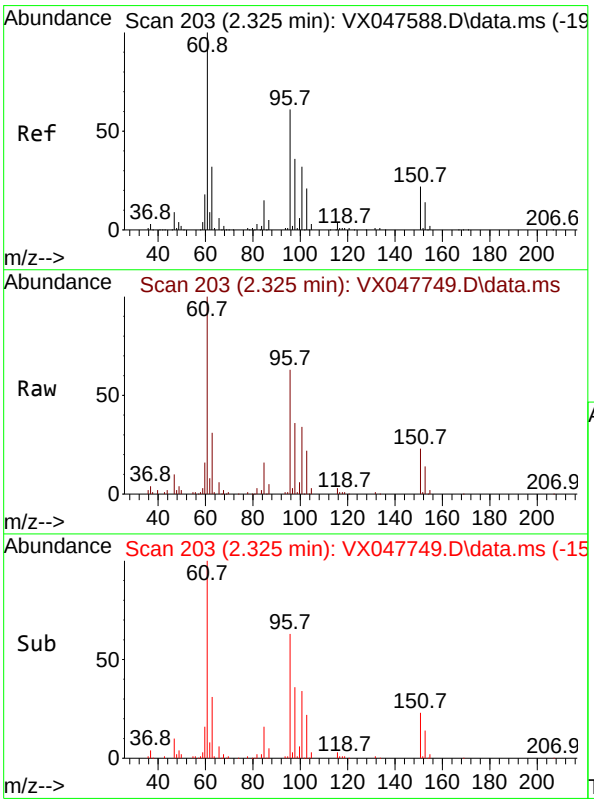

#11
Tert butyl alcohol
Concen: 92.450 ug/l
RT: 2.940 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 59 Resp: 25276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.7 | 8.3 | 12.5 |

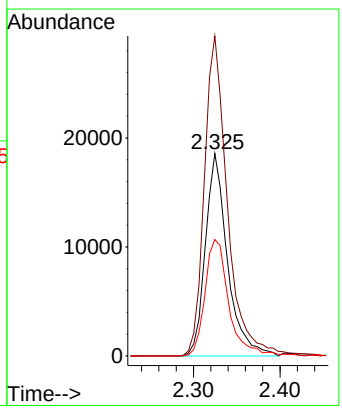


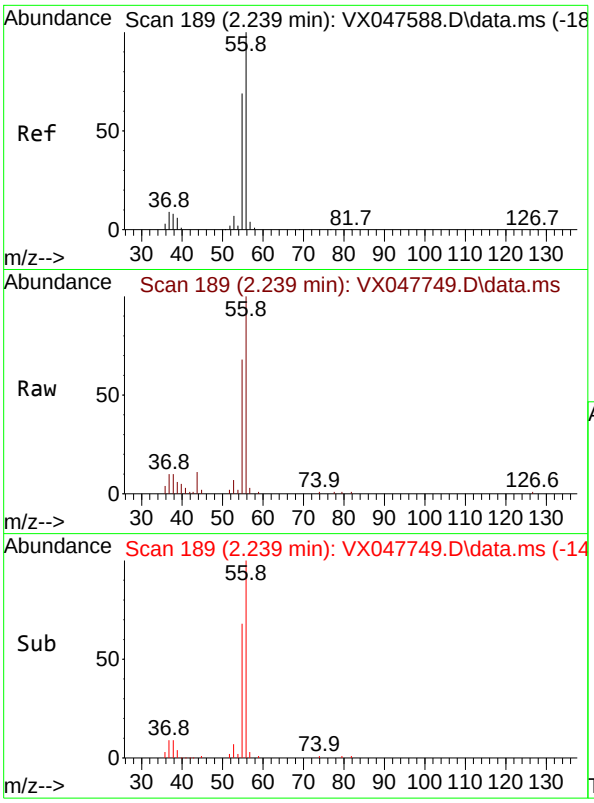




#12
1,1-Dichloroethene
Concen: 17.992 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 96 Resp: 32967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 158.1 | 131.0 | 196.6 |
| 98 | 57.5 | 47.7 | 71.5 |



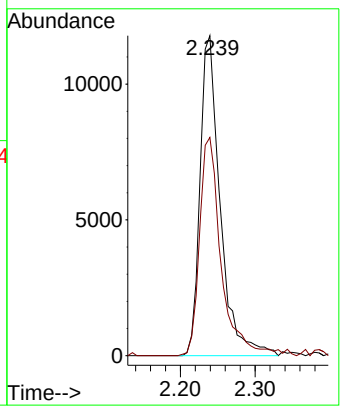


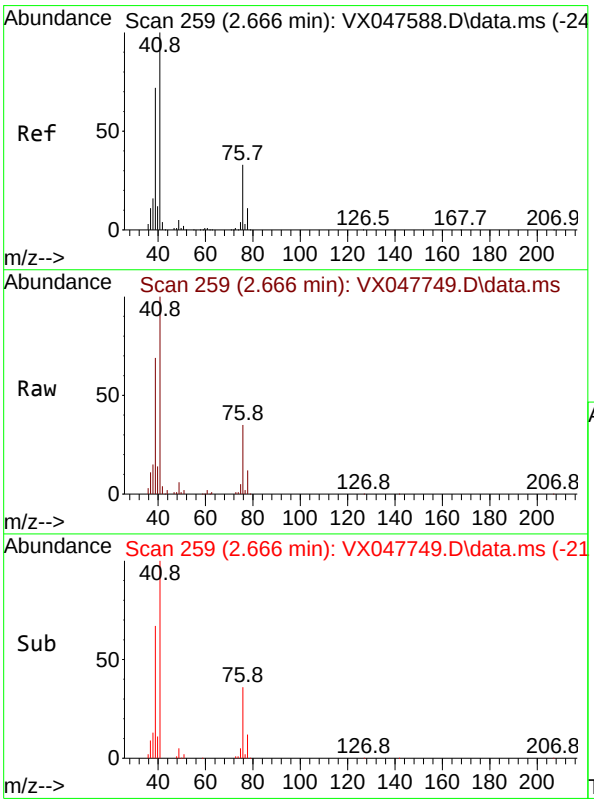

#13
Acrolein
Concen: 87.491 ug/l
RT: 2.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 56 Resp: 22043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 73.5 | 57.2 | 85.8 |

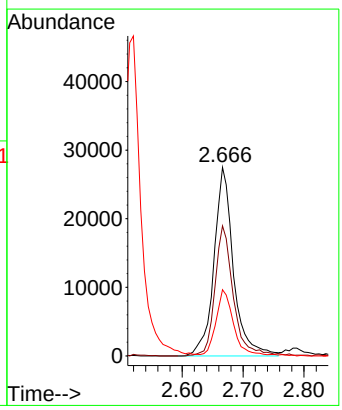


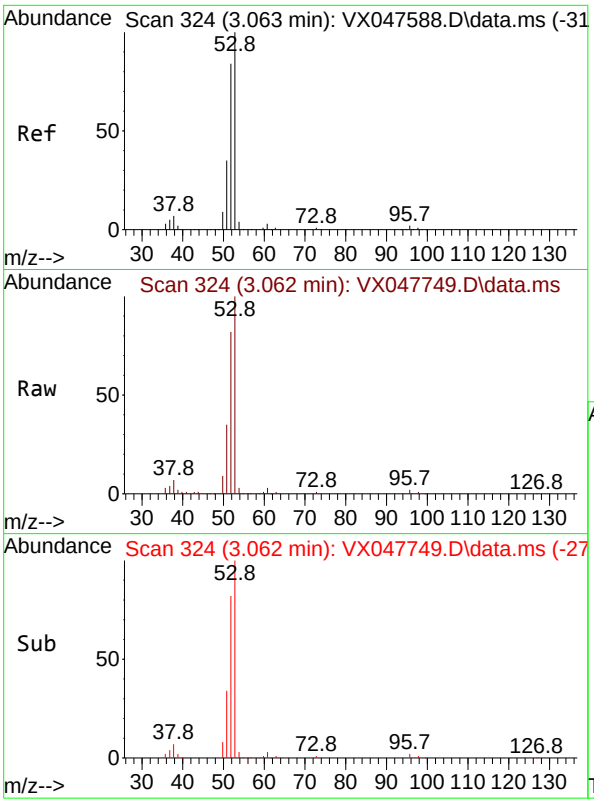




#14
Allyl chloride
Concen: 16.234 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 41 Resp: 61383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 65.1 | 54.7 | 82.1 |
| 76 | 32.2 | 25.7 | 38.5 |



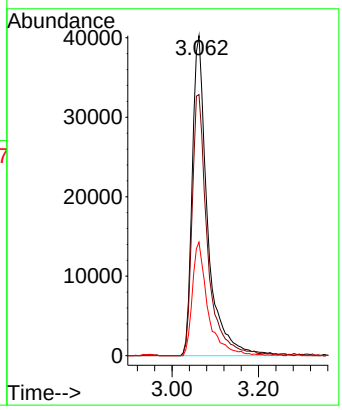


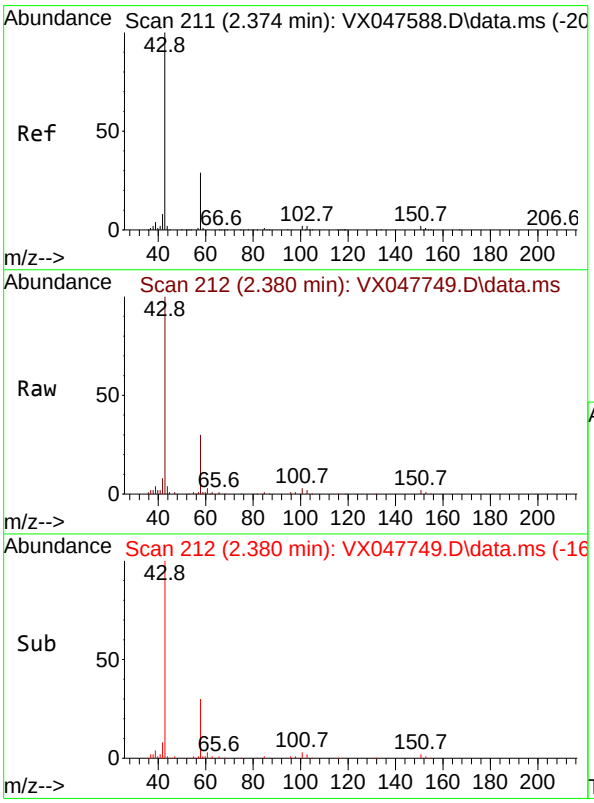

#15
Acrylonitrile
Concen: 97.927 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 53 Resp: 99171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 81.3 | 66.4 | 99.6 |
| 51 | 36.2 | 29.5 | 44.3 |

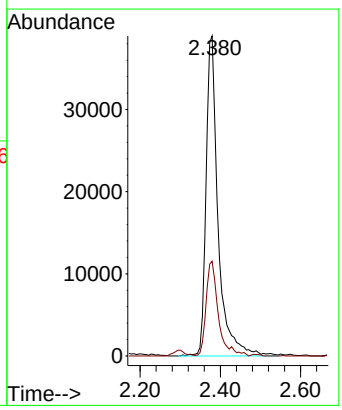


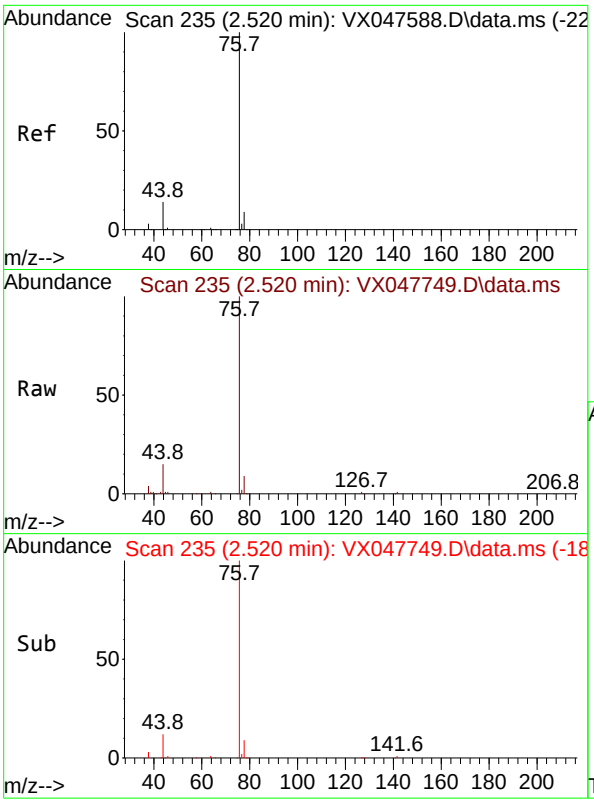




#16
Acetone
Concen: 75.863 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 80974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 29.6 | 23.4 | 35.0 |



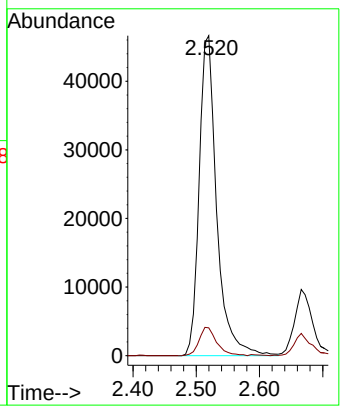


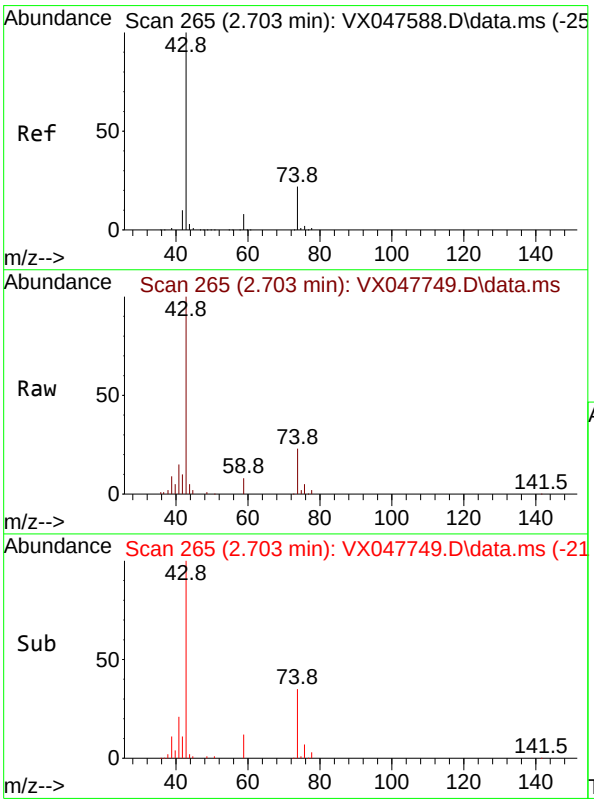

#17
Carbon Disulfide
Concen: 17.953 ug/l
RT: 2.520 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 76 Resp: 90054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.9 | 6.8 | 10.2 |

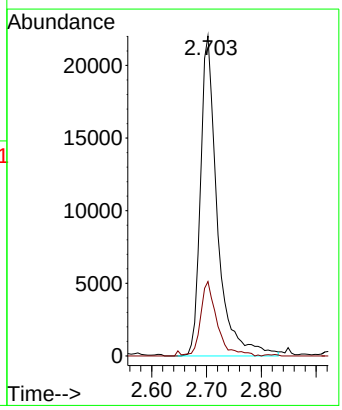


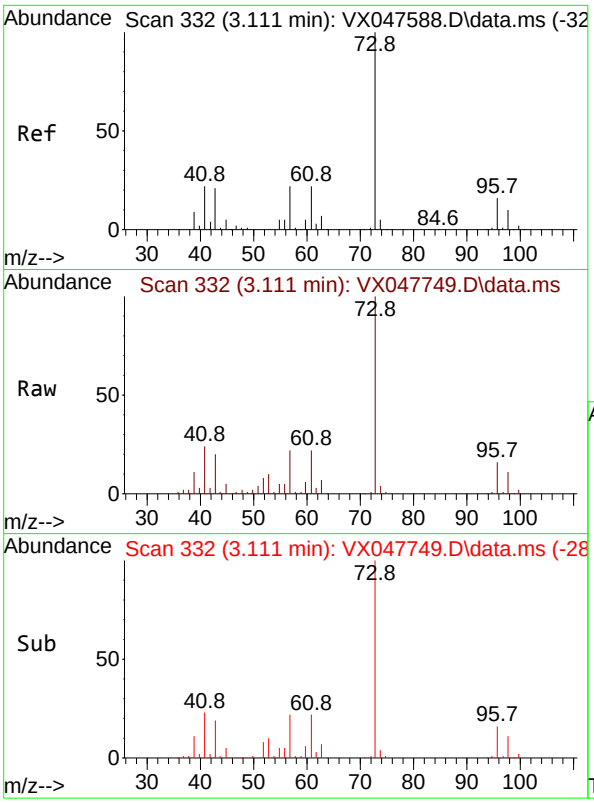




#18
Methyl Acetate
Concen: 19.846 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 47143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 22.5 | 17.4 | 26.2 |



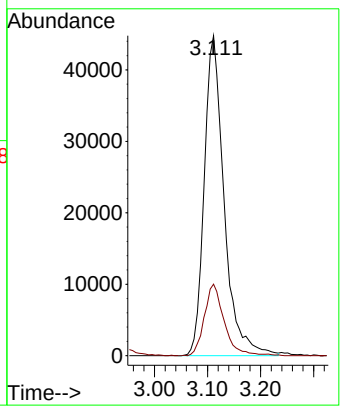


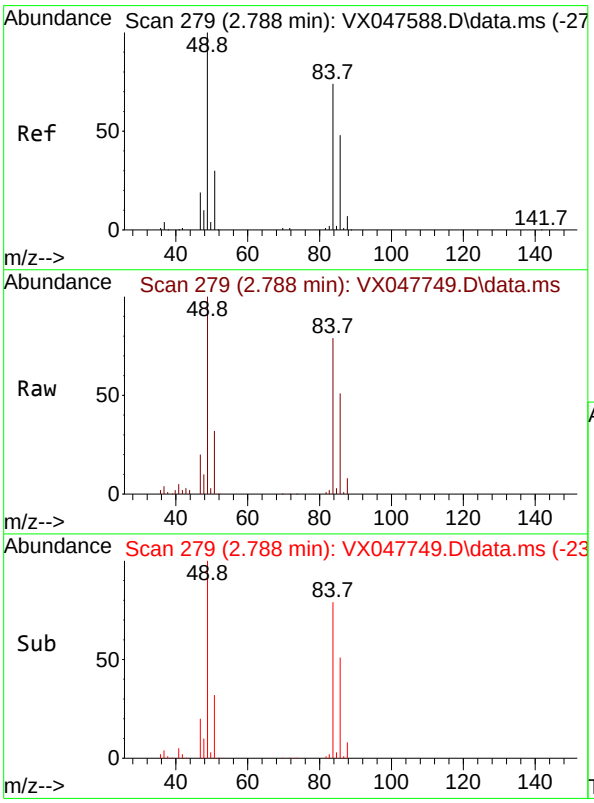

#19
Methyl tert-butyl Ether
Concen: 17.451 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 73 Resp: 116727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.3 | 17.4 | 26.2 |

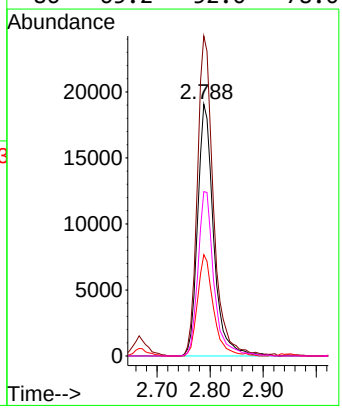


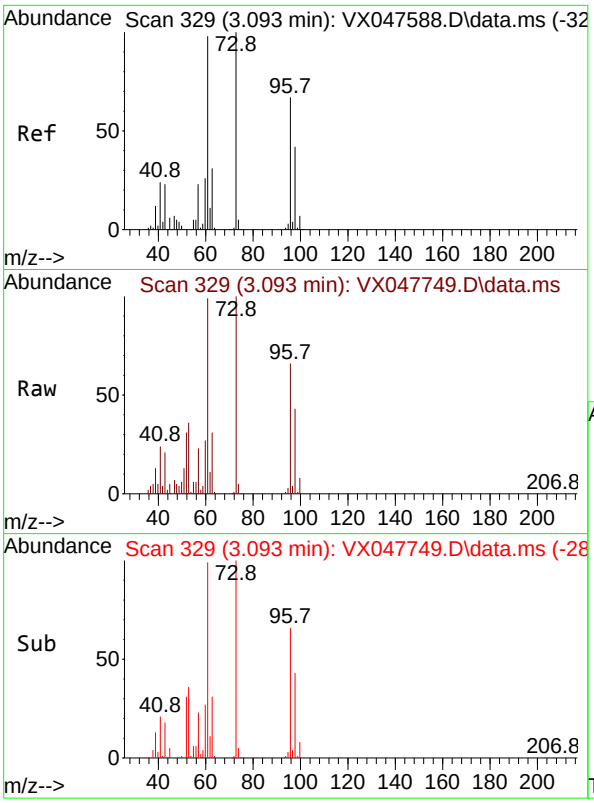




#20
Methylene Chloride
Concen: 17.666 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 84 Resp: 39914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 127.0 | 108.6 | 162.8 |
| 51 | 40.2 | 32.6 | 48.8 |
| 86 | 65.2 | 52.0 | 78.0 |



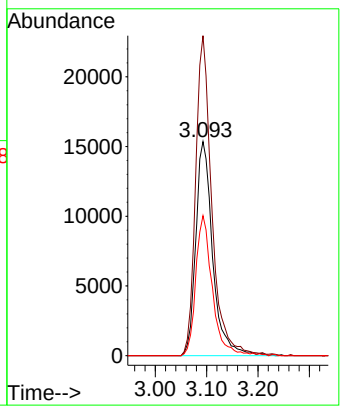


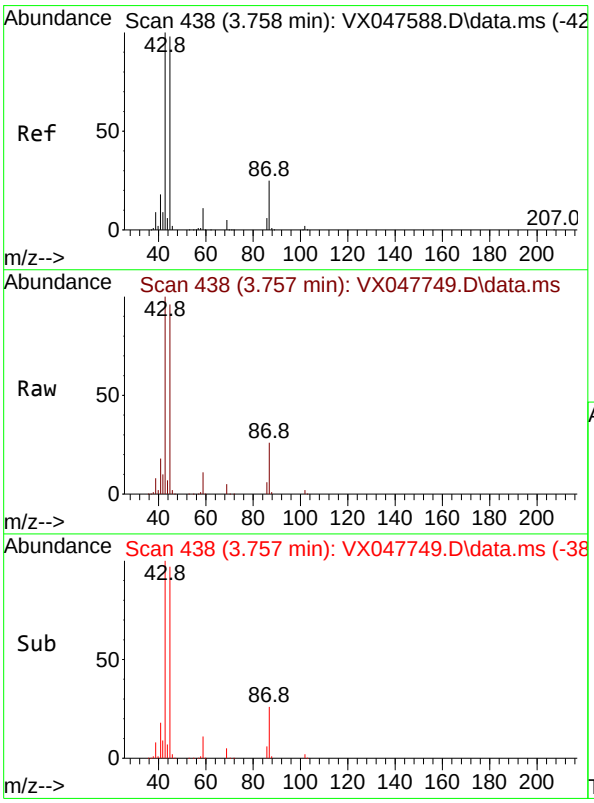

#21
trans-1,2-Dichloroethene
Concen: 17.798 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 96 Resp: 35110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.9 | 116.2 | 174.2 |
| 98 | 61.7 | 49.3 | 73.9 |

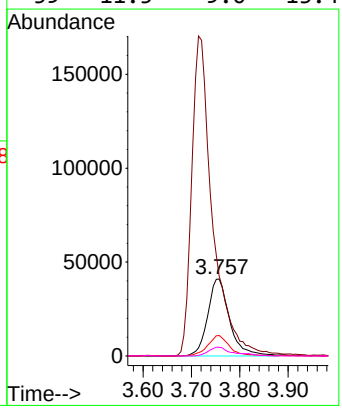


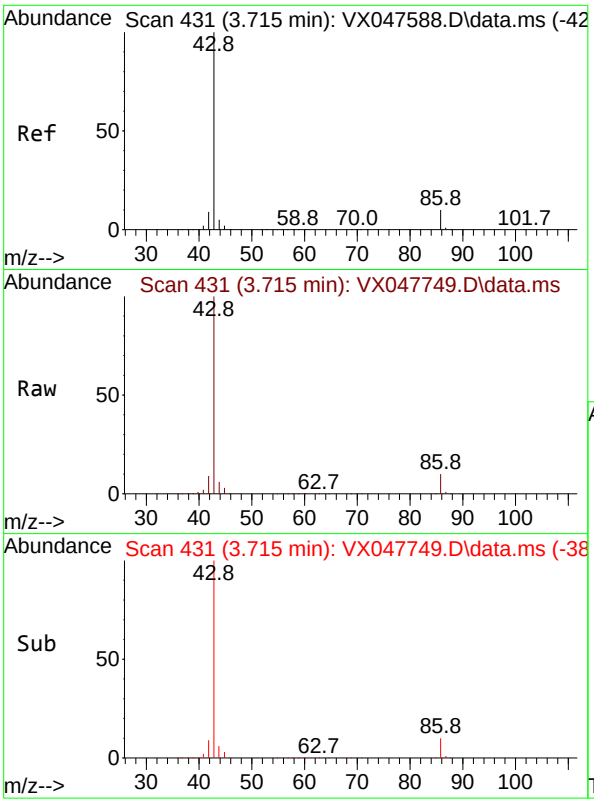




#22
Diisopropyl ether
Concen: 17.583 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 45 Resp: 128843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 101.3 | 81.0 | 121.4 |
| 87 | 26.7 | 20.3 | 30.5 |
| 59 | 11.5 | 9.0 | 13.4 |



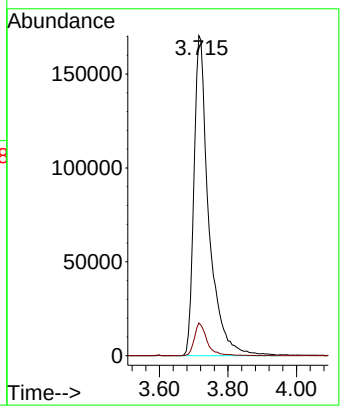


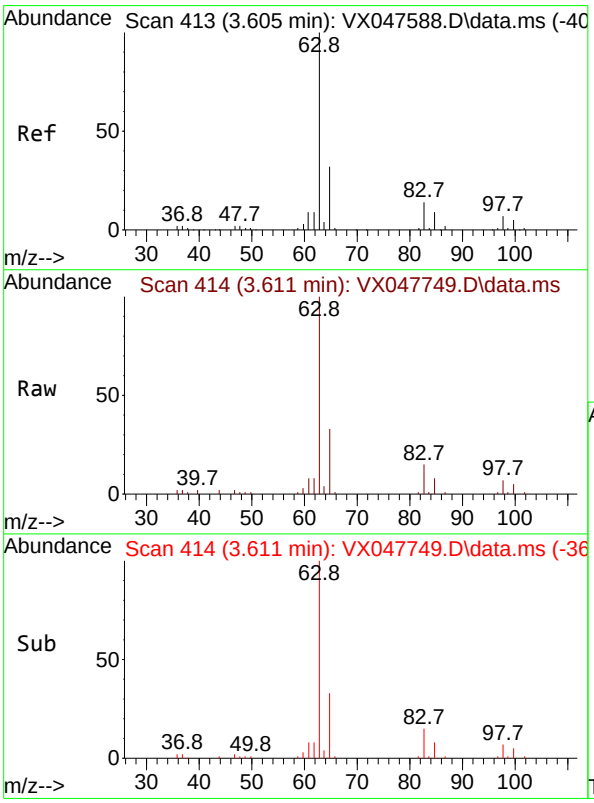

#23
Vinyl Acetate
Concen: 87.666 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 514138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 10.2 | 7.8 | 11.8 |

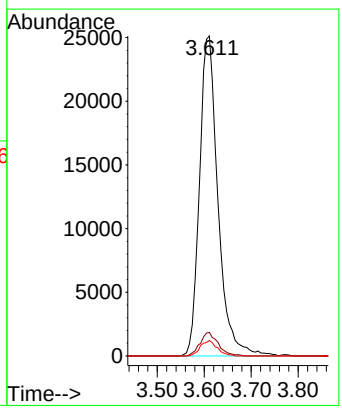


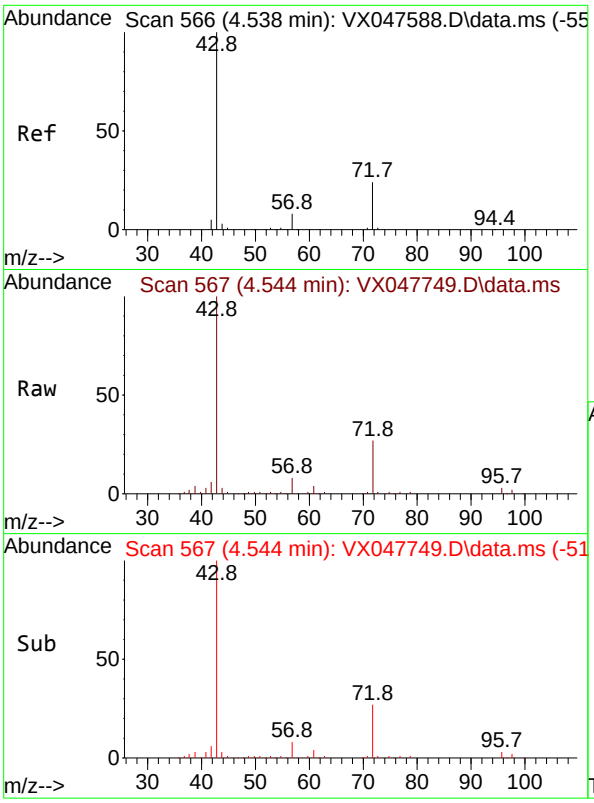




#24
1,1-Dichloroethane
Concen: 17.640 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 63 Resp: 68705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 8.1 | 3.8 | 11.2 |
| 100 | 4.8 | 2.3 | 6.9 |



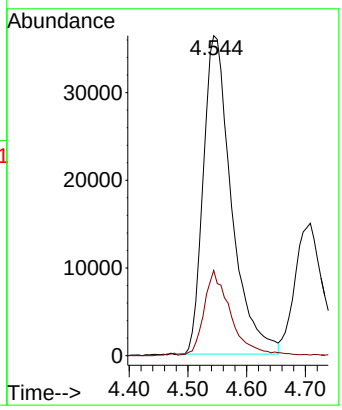


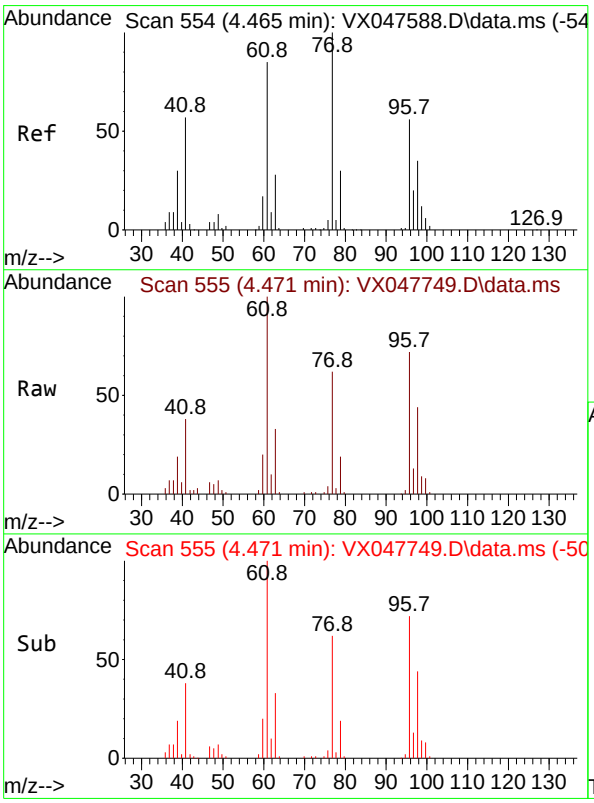

#25
2-Butanone
Concen: 90.824 ug/l
RT: 4.544 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 120923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 27.7 | 20.1 | 30.1 |

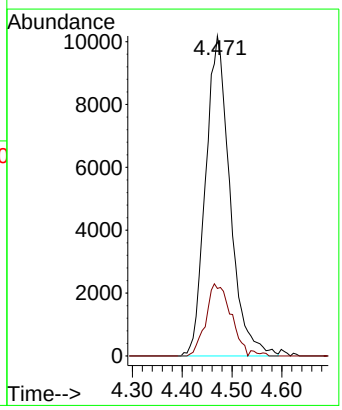


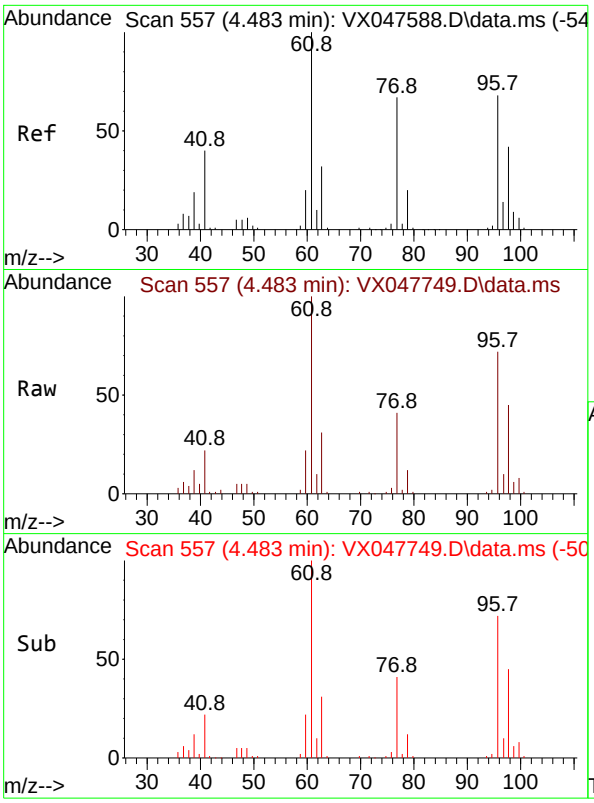




#26
2,2-Dichloropropane
Concen: 10.683 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 77 Resp: 34586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 23.3 | 10.9 | 32.7 |



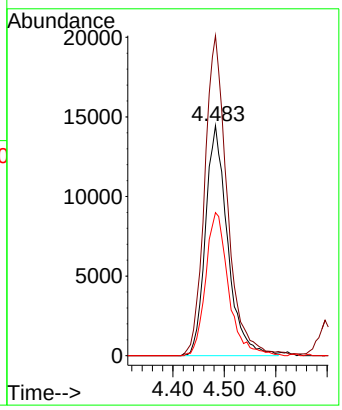


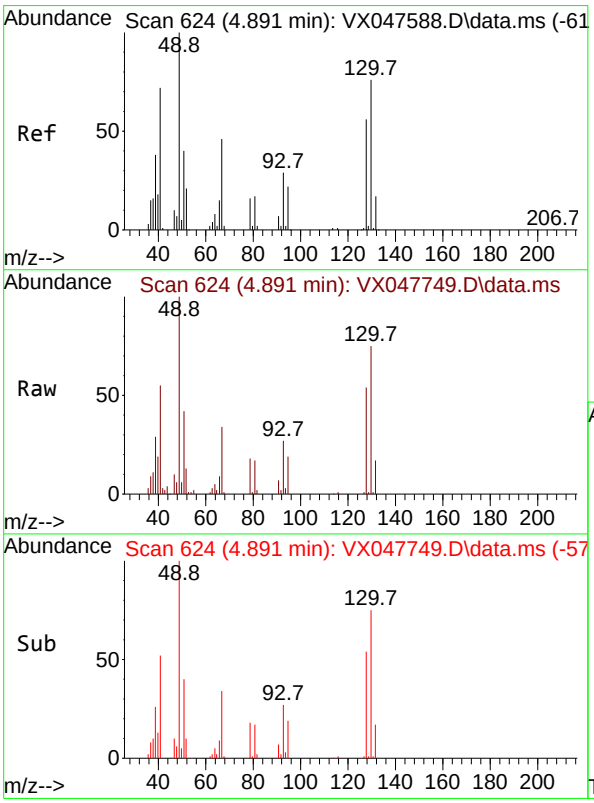

#27
cis-1,2-Dichloroethene
Concen: 17.862 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 96 Resp: 43152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 141.0 | 0.0 | 303.2 |
| 98 | 64.3 | 0.0 | 127.8 |

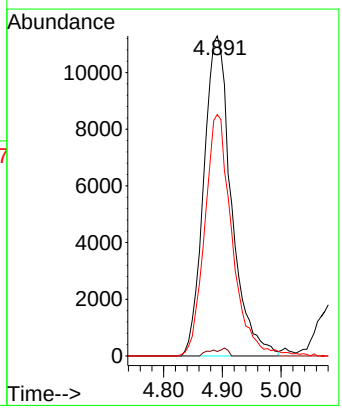


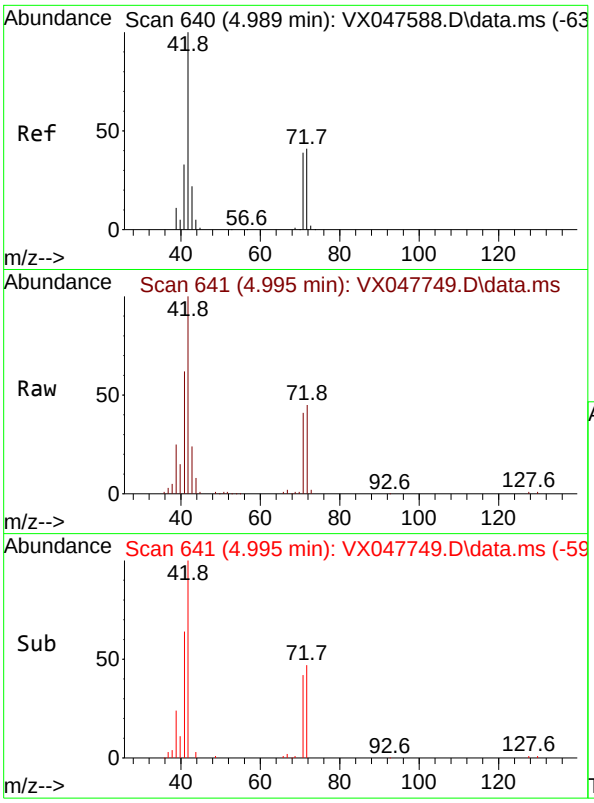




#28
Bromochloromethane
Concen: 21.721 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 49 Resp: 36933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.5 | 0.0 | 3.2 |
| 130 | 74.7 | 57.8 | 86.8 |



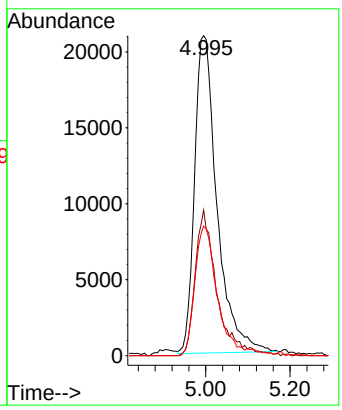


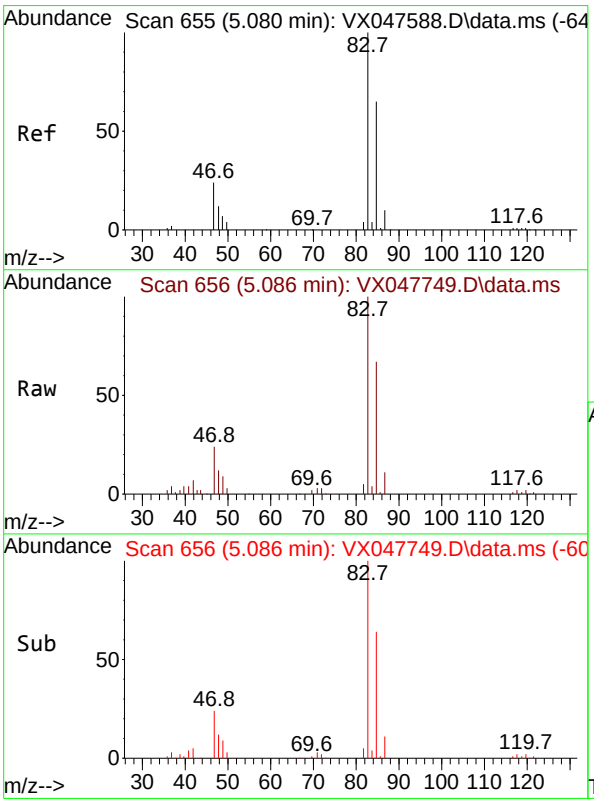

#29
Tetrahydrofuran
Concen: 96.655 ug/l
RT: 4.995 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 42 Resp: 77415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 44.2 | 34.2 | 51.2 |
| 71 | 39.9 | 31.9 | 47.9 |

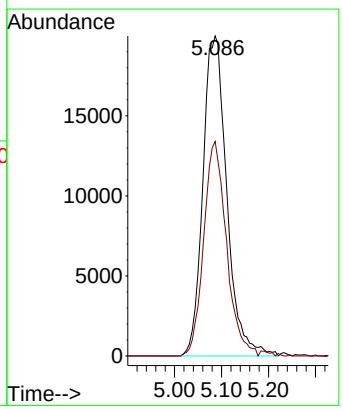


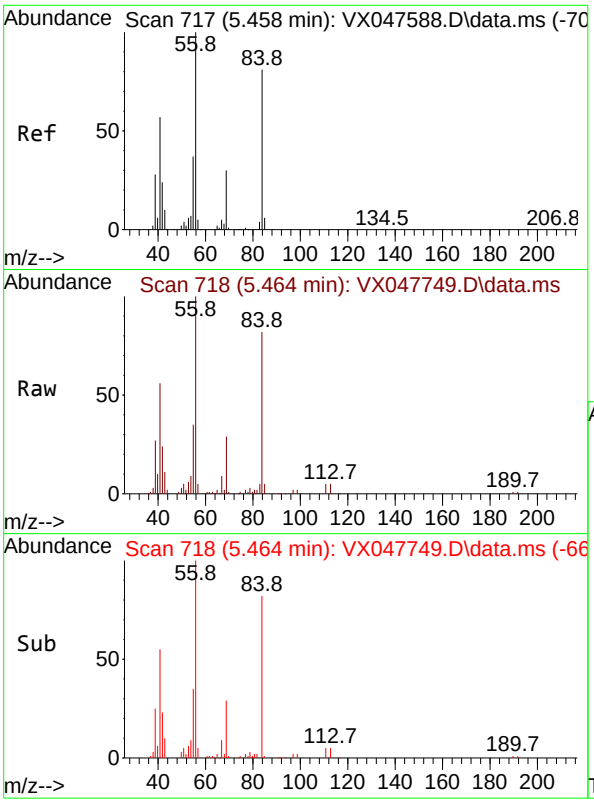




#30
Chloroform
Concen: 17.922 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 83 Resp: 70538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 68.3 | 51.8 | 77.6 |



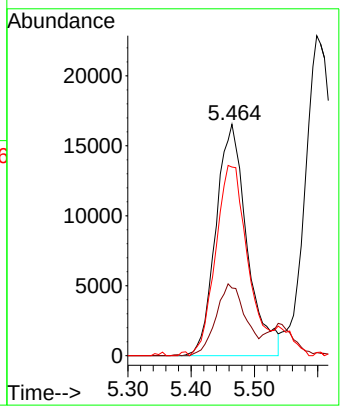


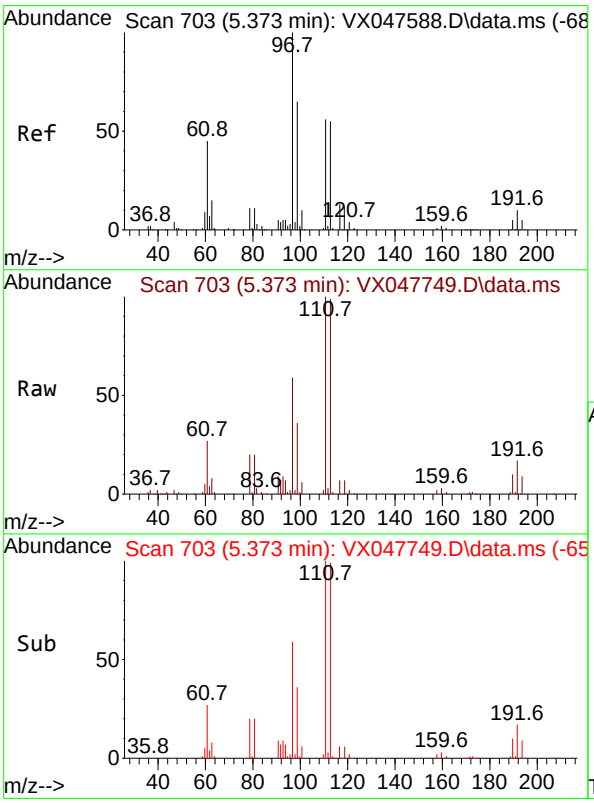

#31
Cyclohexane
Concen: 17.427 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 56 Resp: 56532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 28.8 | 23.8 | 35.8 |
| 84 | 81.5 | 64.6 | 97.0 |

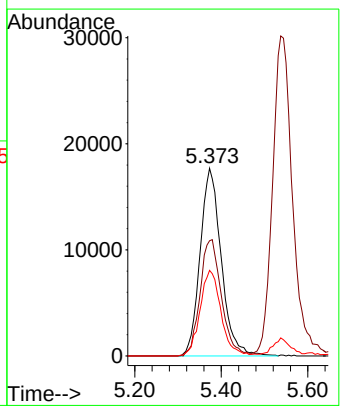


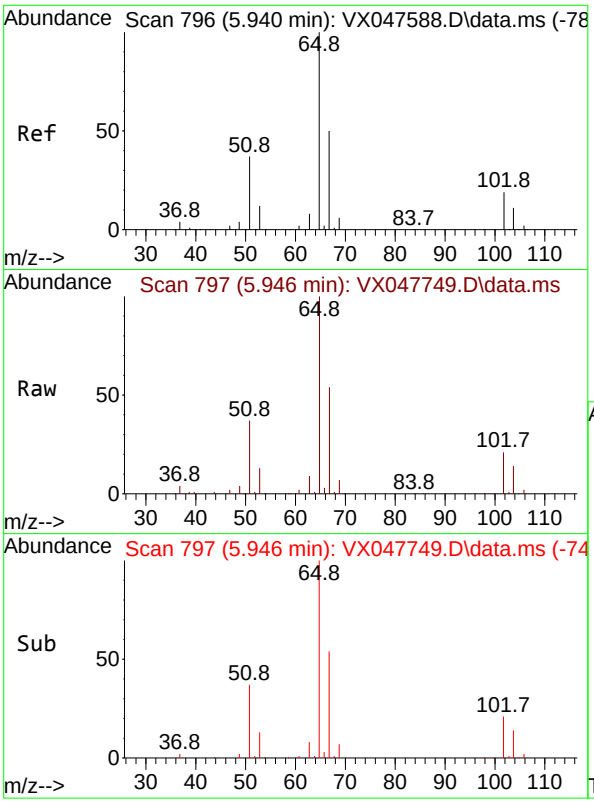




#32
1,1,1-Trichloroethane
Concen: 17.972 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 97 Resp: 59999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 62.4 | 50.6 | 76.0 |
| 61 | 45.1 | 35.8 | 53.8 |



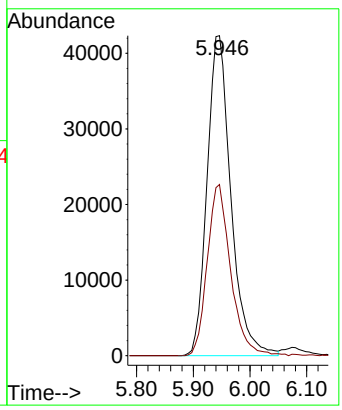


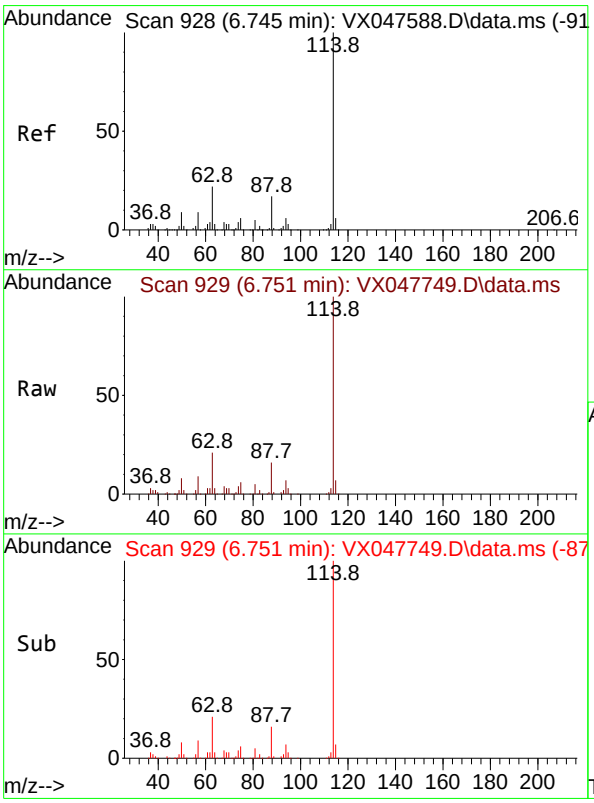

#33
1,2-Dichloroethane-d4
Concen: 50.353 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 65 Resp: 123608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.6 | 0.0 | 103.0 |

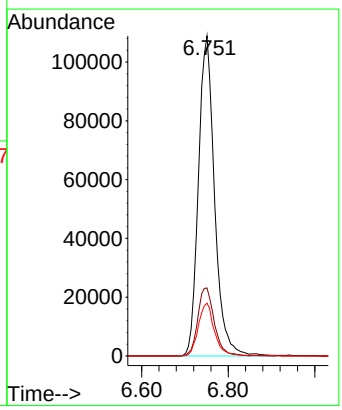


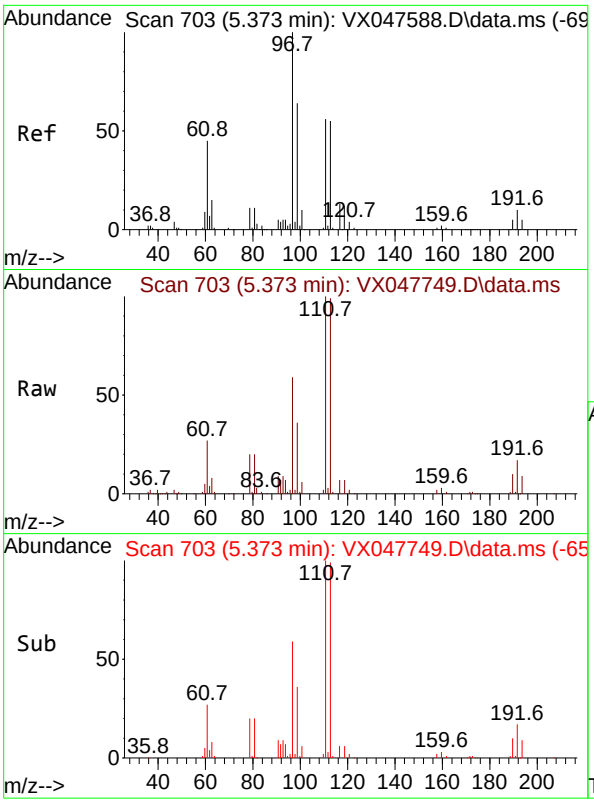




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:114 Resp: 281988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.2 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |



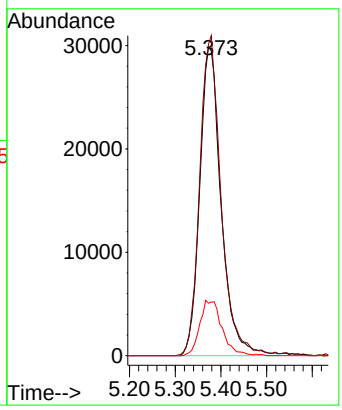


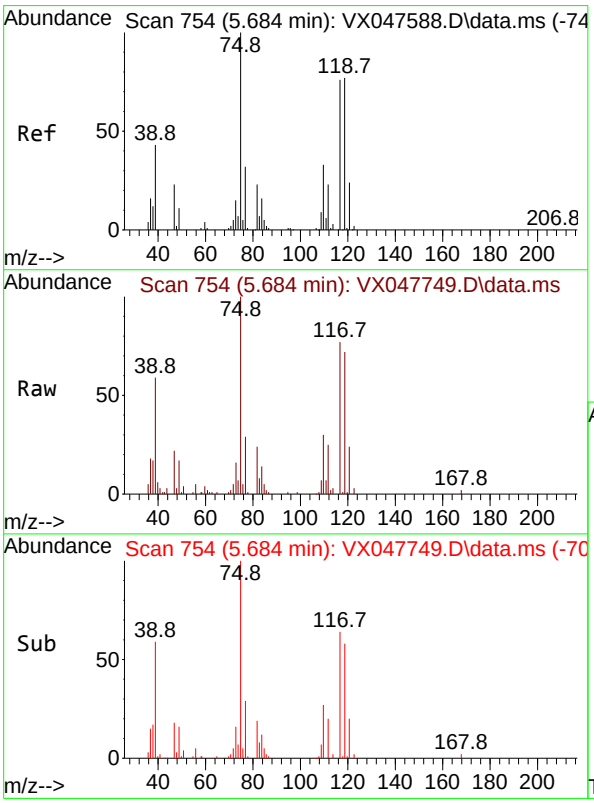

#35
Dibromofluoromethane
Concen: 51.300 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:113 Resp: 97017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.4 | 80.9 | 121.3 |
| 192 | 18.4 | 14.2 | 21.4 |

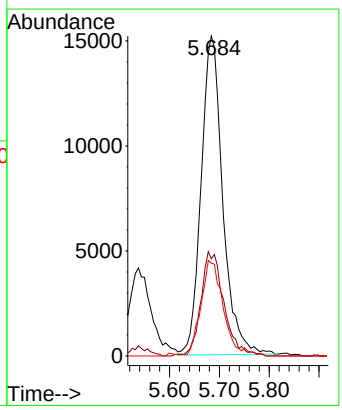


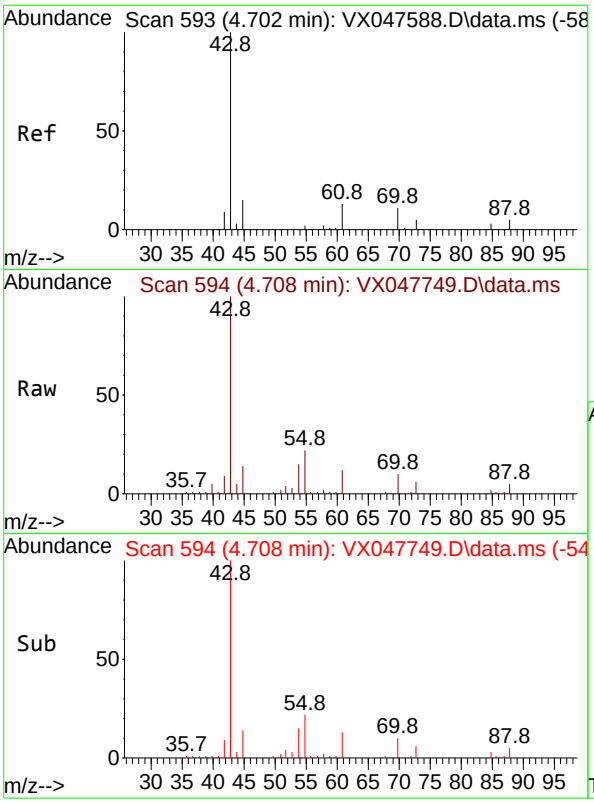




#36
1,1-Dichloropropene
Concen: 16.558 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 45756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 34.8 | 16.7 | 50.1 |
| 77 | 30.9 | 24.3 | 36.5 |



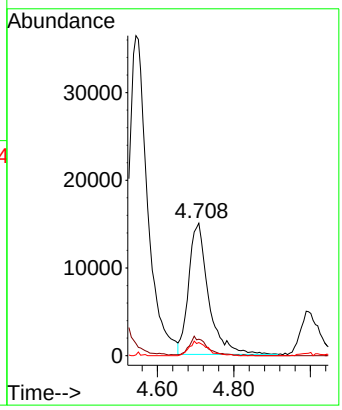


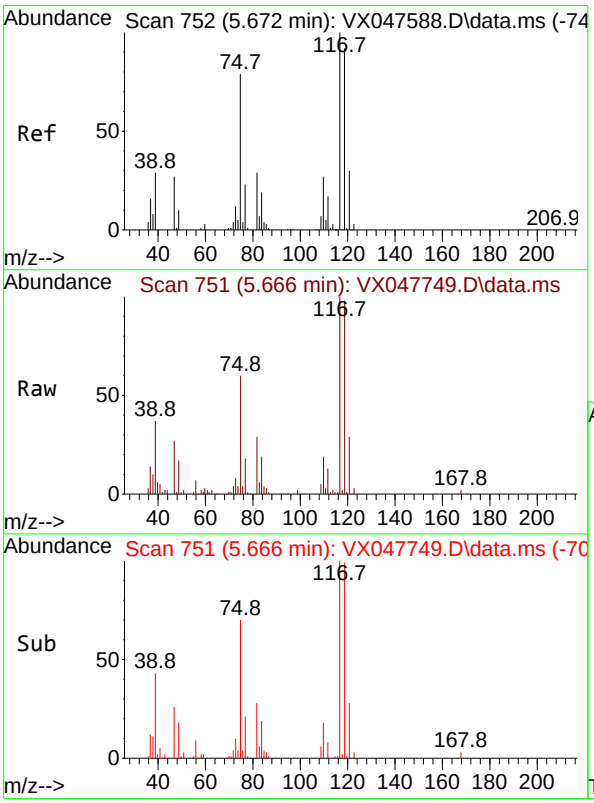

#37
Ethyl Acetate
Concen: 18.208 ug/l
RT: 4.708 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 53875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 13.0 | 9.8 | 14.8 |
| 70 | 9.9 | 7.9 | 11.9 |

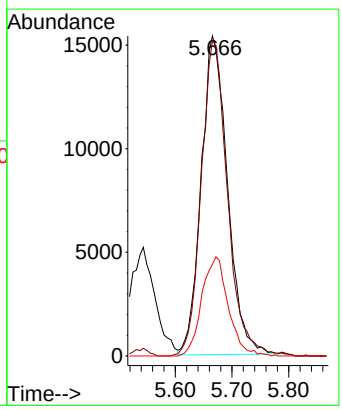


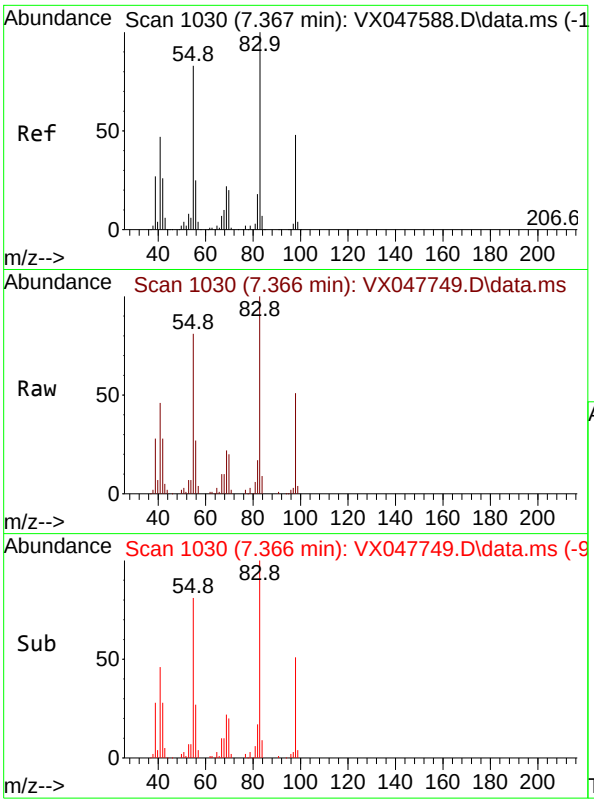




#38
Carbon Tetrachloride
Concen: 16.532 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:117 Resp: 49639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 98.4 | 73.4 | 110.2 |
| 121 | 28.8 | 23.8 | 35.6 |



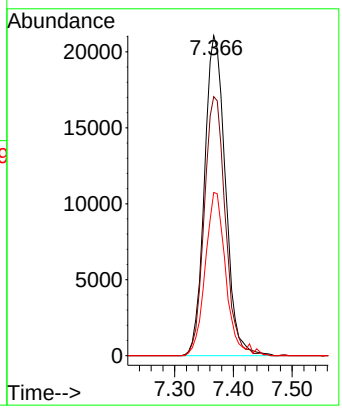


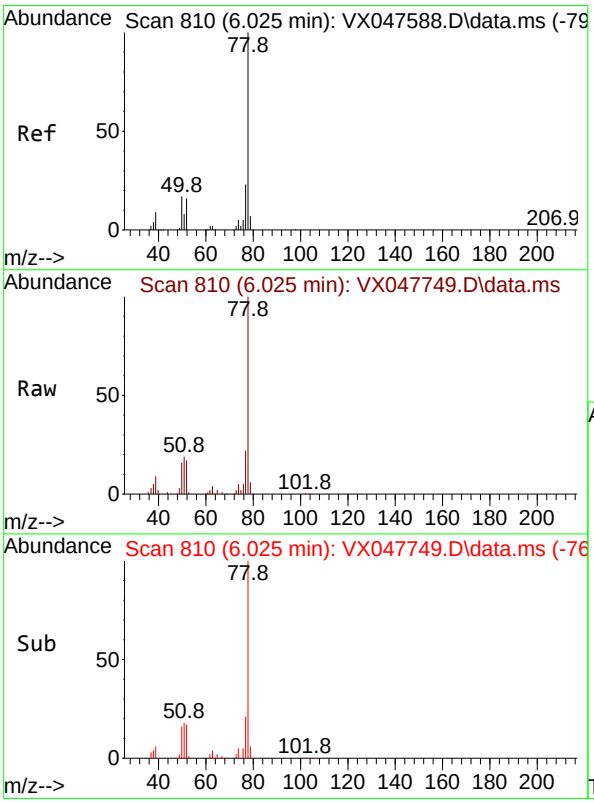

#39
Methylcyclohexane
Concen: 16.646 ug/l
RT: 7.366 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 83 Resp: 52216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 80.9 | 66.4 | 99.6 |
| 98 | 51.0 | 38.1 | 57.1 |

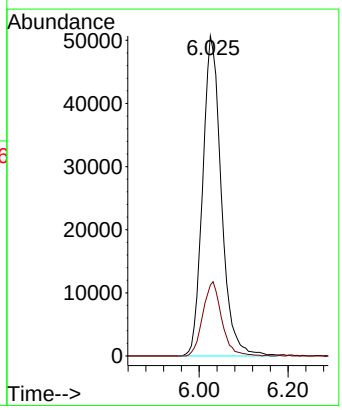


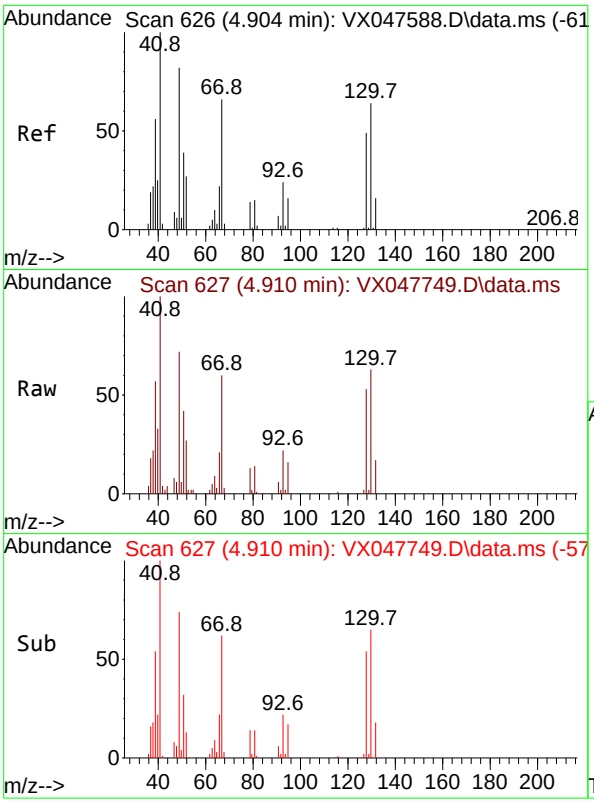




#40
Benzene
Concen: 17.674 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 78 Resp: 148339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.1 | 18.8 | 28.2 |



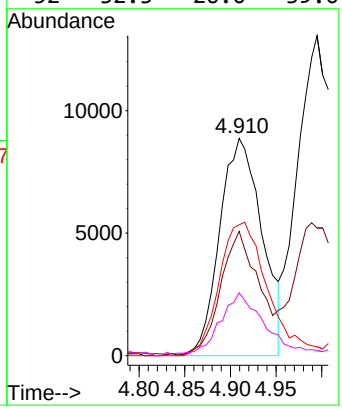


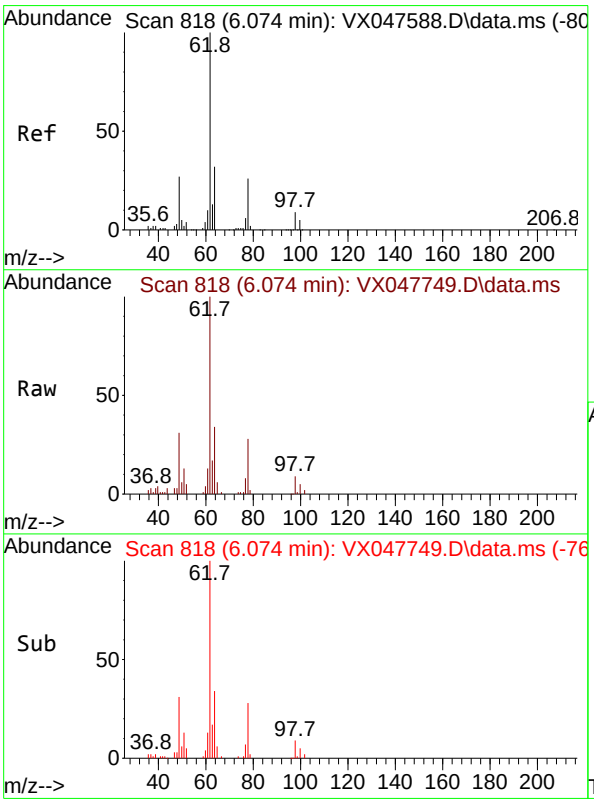

#41
Methacrylonitrile
Concen: 18.722 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 41 Resp: 28598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 50.1 | 43.3 | 64.9 |
| 67 | 70.1 | 58.6 | 87.8 |
| 52 | 32.3 | 26.0 | 39.0 |

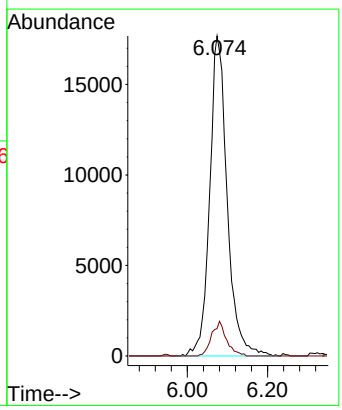


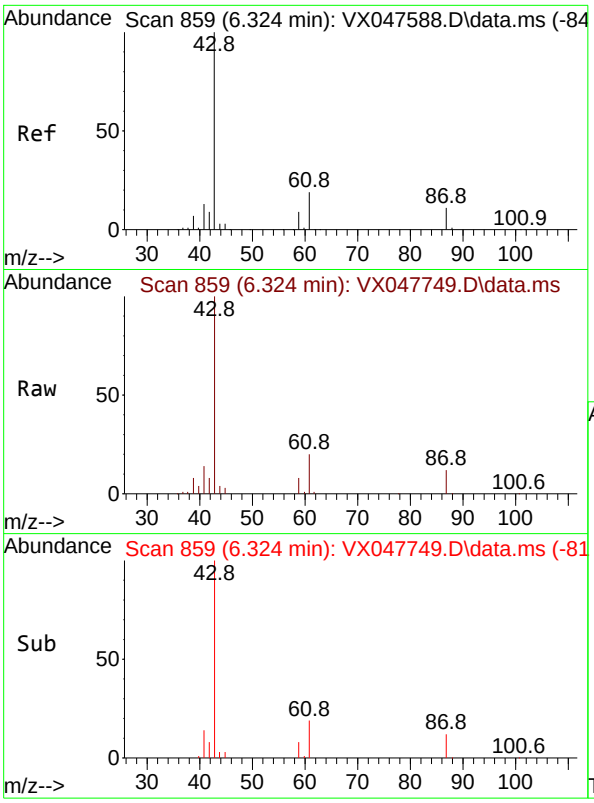




#42
1,2-Dichloroethane
Concen: 16.765 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 62 Resp: 53538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.2 | 0.0 | 17.0 |



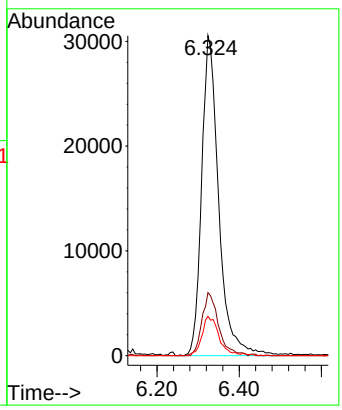


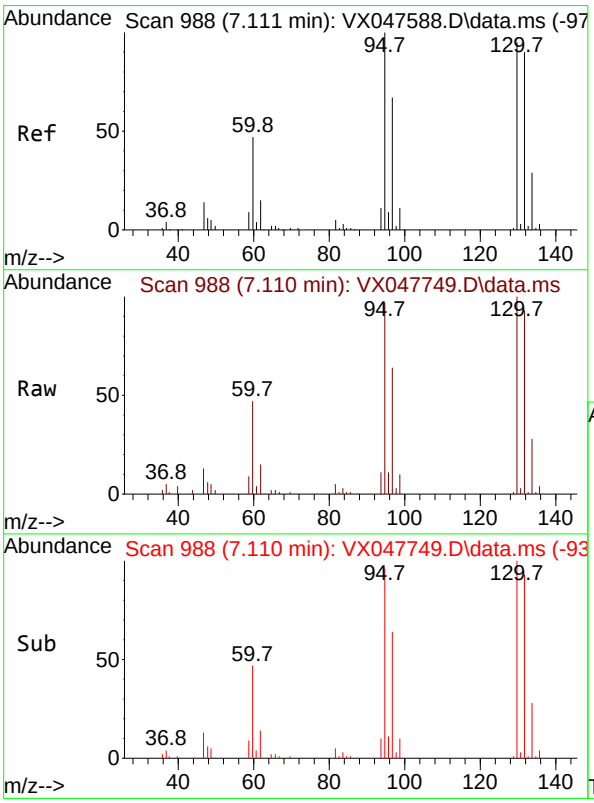

#43
Isopropyl Acetate
Concen: 18.134 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 88000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.1 | 15.2 | 22.8 |
| 87 | 12.1 | 9.6 | 14.4 |

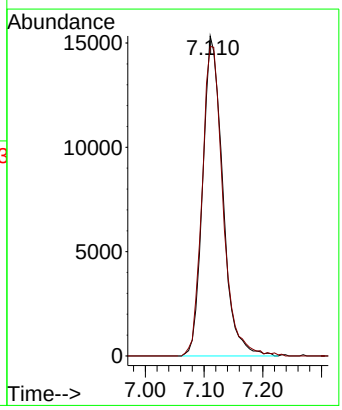


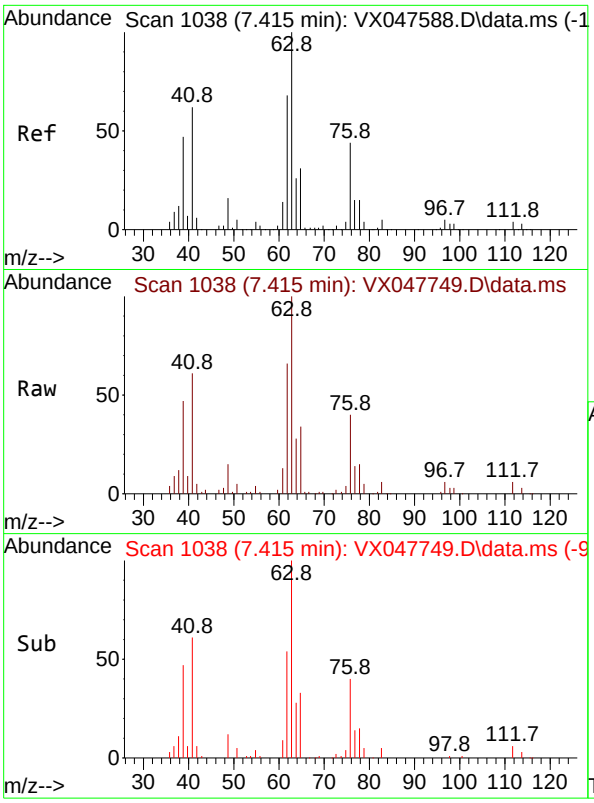




#44
Trichloroethene
Concen: 17.881 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:130 Resp: 36283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 96.7 | 0.0 | 210.8 |



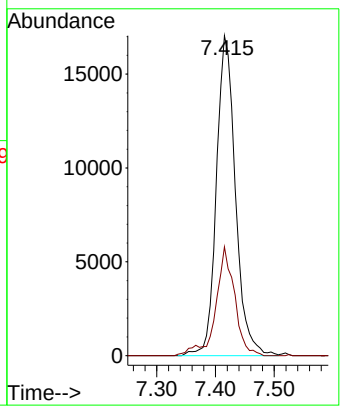


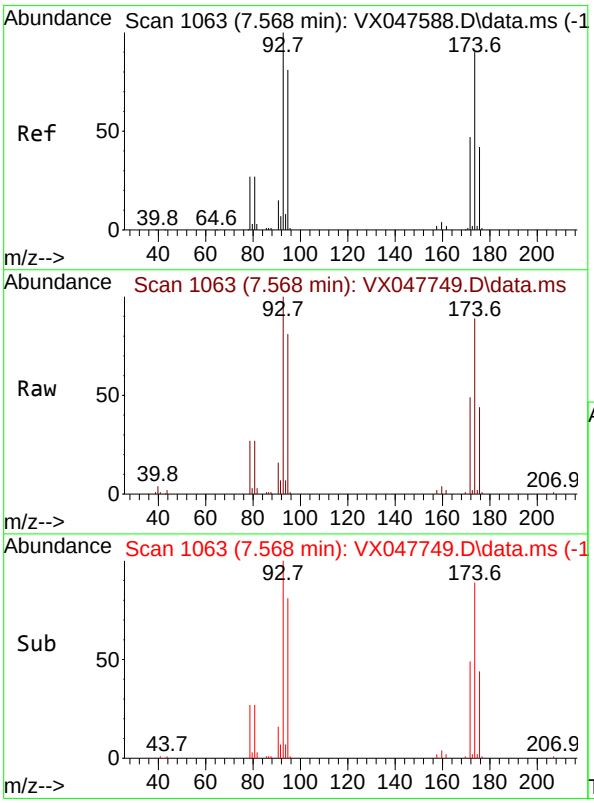

#45
1,2-Dichloropropane
Concen: 17.893 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 63 Resp: 38455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 34.0 | 24.7 | 37.1 |

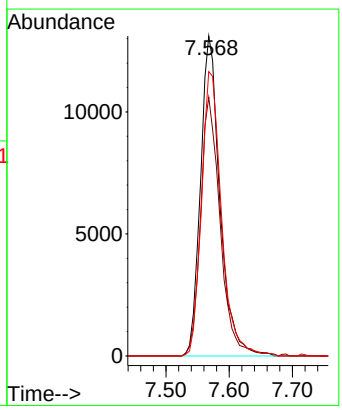


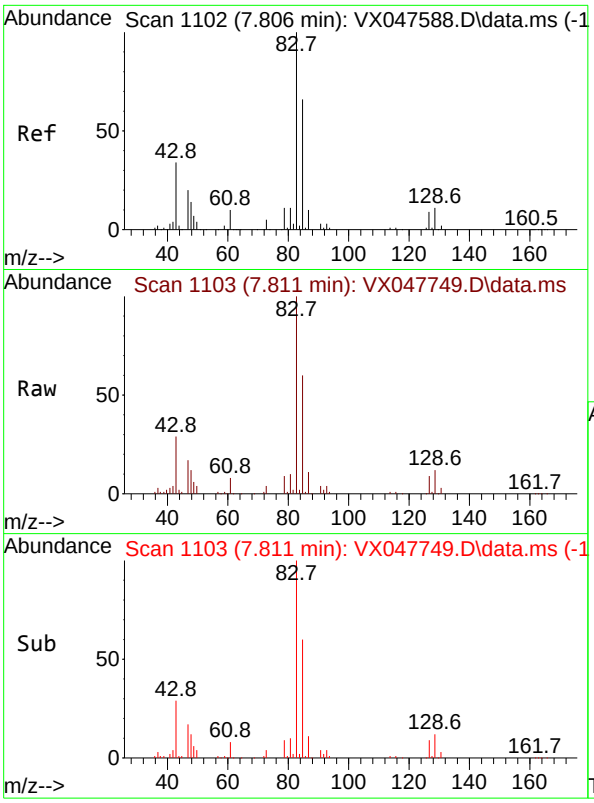




#46
Dibromomethane
Concen: 17.924 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 93 Resp: 28033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 81.8 | 65.0 | 97.6 |
| 174 | 91.4 | 71.6 | 107.4 |



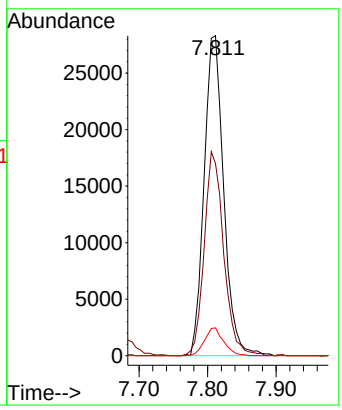


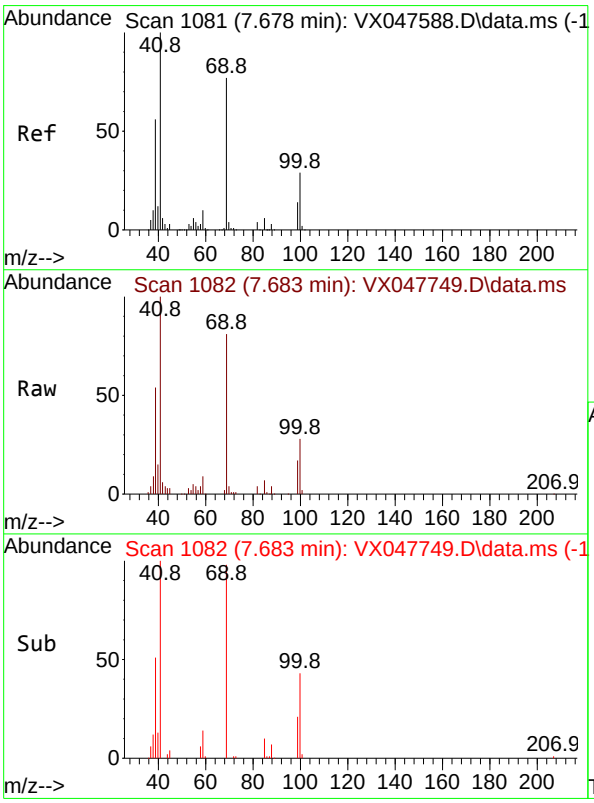

#47
Bromodichloromethane
Concen: 17.468 ug/l
RT: 7.811 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 83 Resp: 56375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 60.0 | 52.5 | 78.7 |
| 127 | 8.7 | 6.9 | 10.3 |

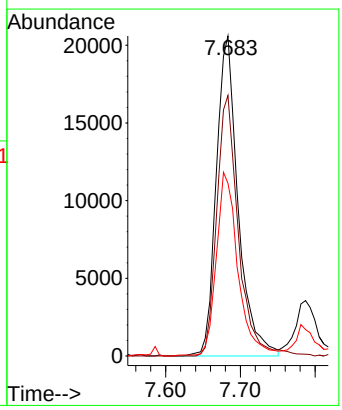


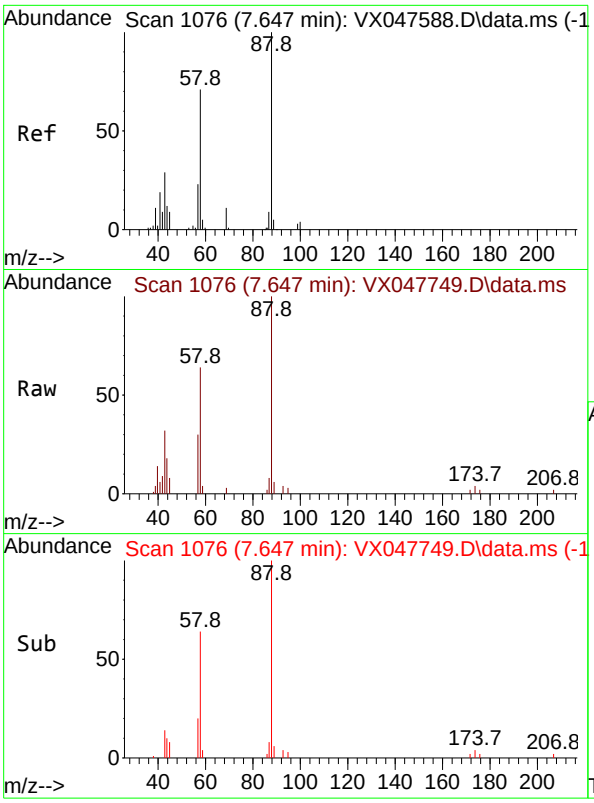




#48
Methyl methacrylate
Concen: 17.332 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 41 Resp: 41895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 80.7 | 61.4 | 92.2 |
| 39 | 57.0 | 45.8 | 68.6 |



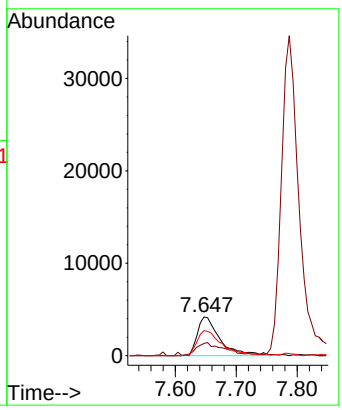


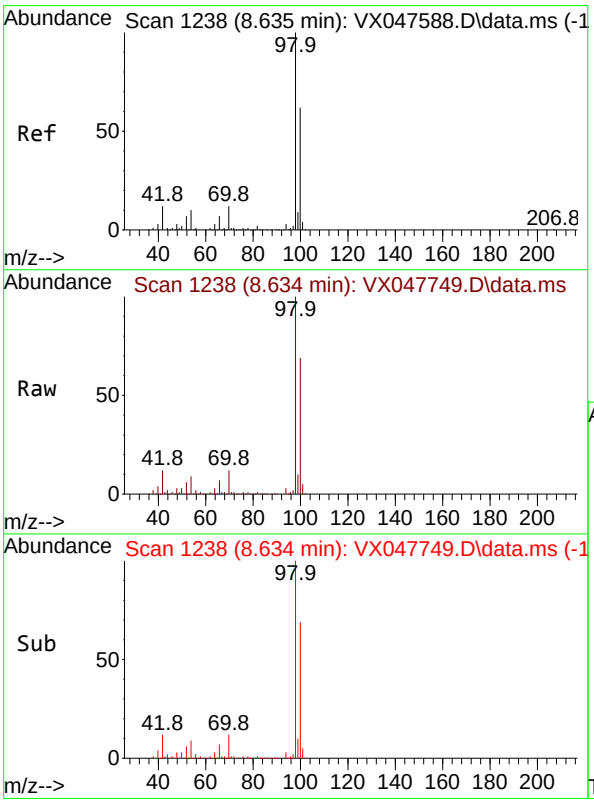

#49
1,4-Dioxane
Concen: 446.778 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 88 Resp: 10914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.5 | 30.2 | 45.2 |
| 58 | 69.7 | 59.5 | 89.3 |

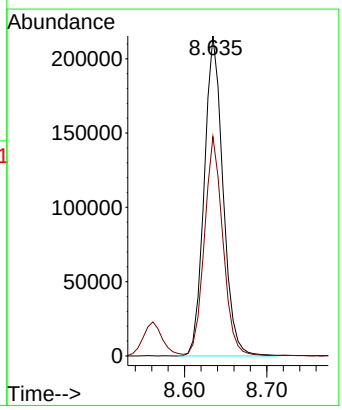


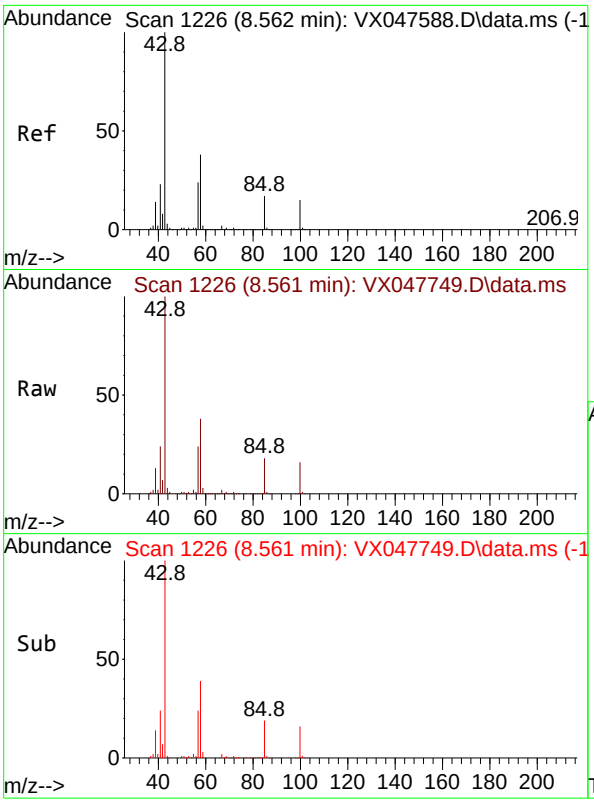




#50
Toluene-d8
Concen: 52.151 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 98 Resp: 341263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.1 | 53.0 | 79.4 |



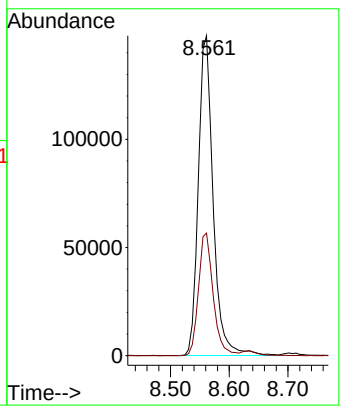


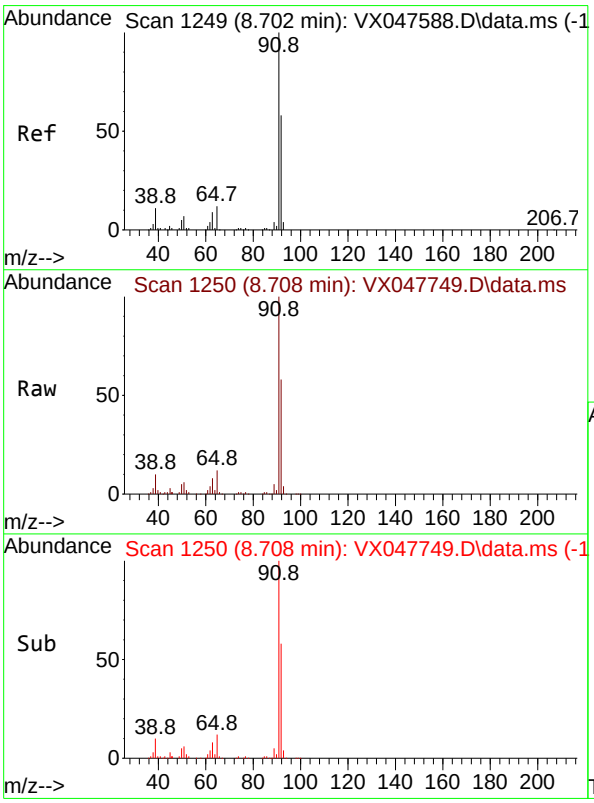

#51
4-Methyl-2-Pentanone
Concen: 96.387 ug/l
RT: 8.561 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 259334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 38.0 | 30.3 | 45.5 |

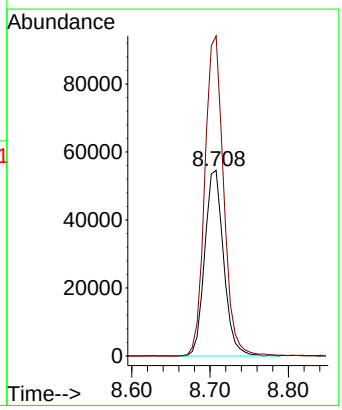


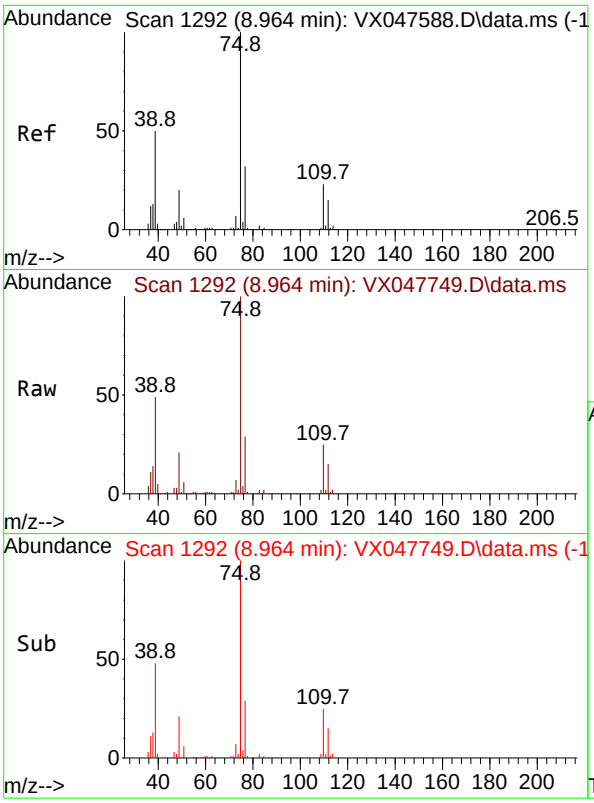




#52
Toluene
Concen: 17.679 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 92 Resp: 91422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 171.8 | 137.1 | 205.7 |



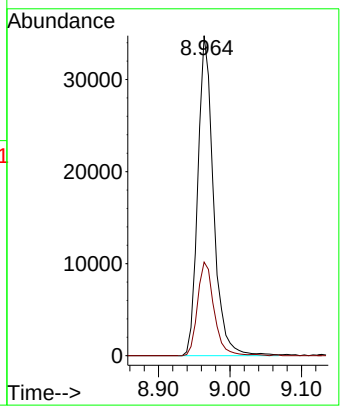


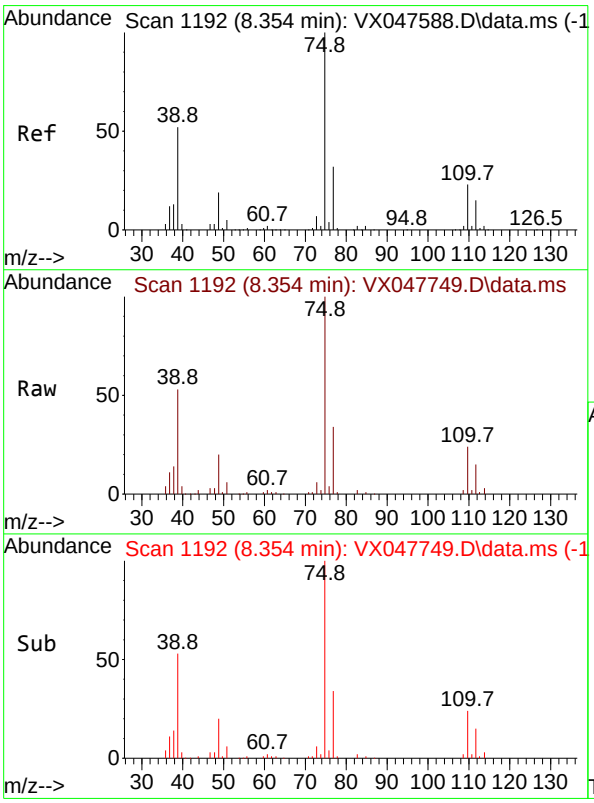

#53
t-1,3-Dichloropropene
Concen: 16.036 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 75 Resp: 52789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 29.2 | 25.4 | 38.2 |

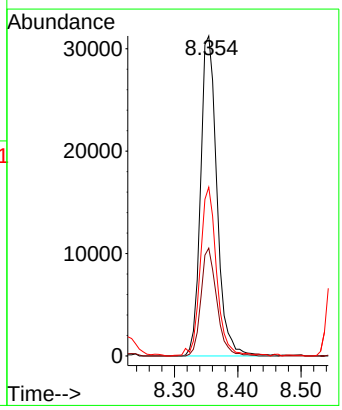


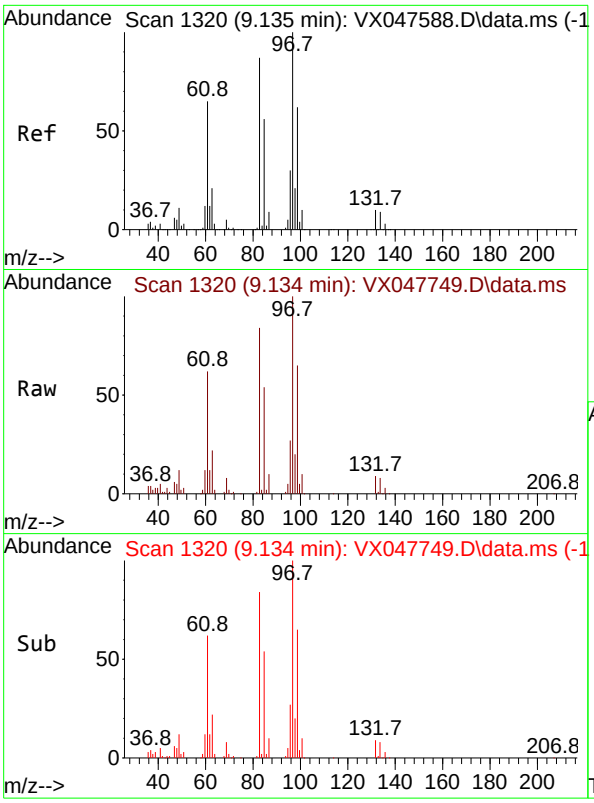




#54
cis-1,3-Dichloropropene
Concen: 16.020 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 56367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.7 | 25.8 | 38.6 |
| 39 | 50.7 | 41.4 | 62.2 |



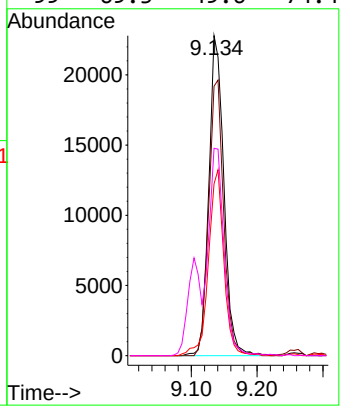


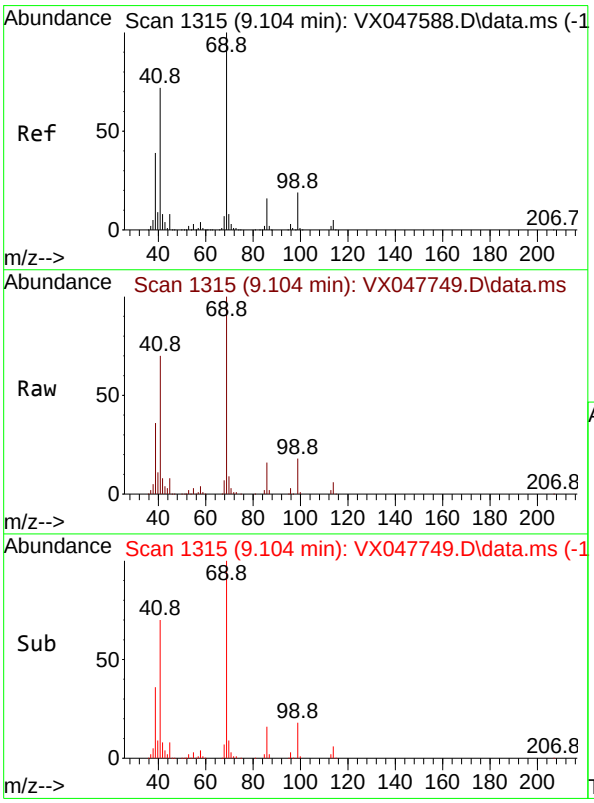

#55
1,1,2-Trichloroethane
Concen: 18.240 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 97 Resp: 36370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 86.1 | 69.6 | 104.4 |
| 85 | 55.7 | 45.0 | 67.6 |
| 99 | 69.3 | 49.6 | 74.4 |

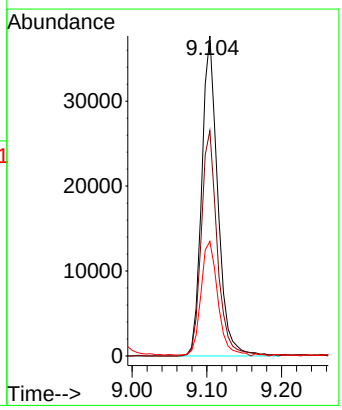


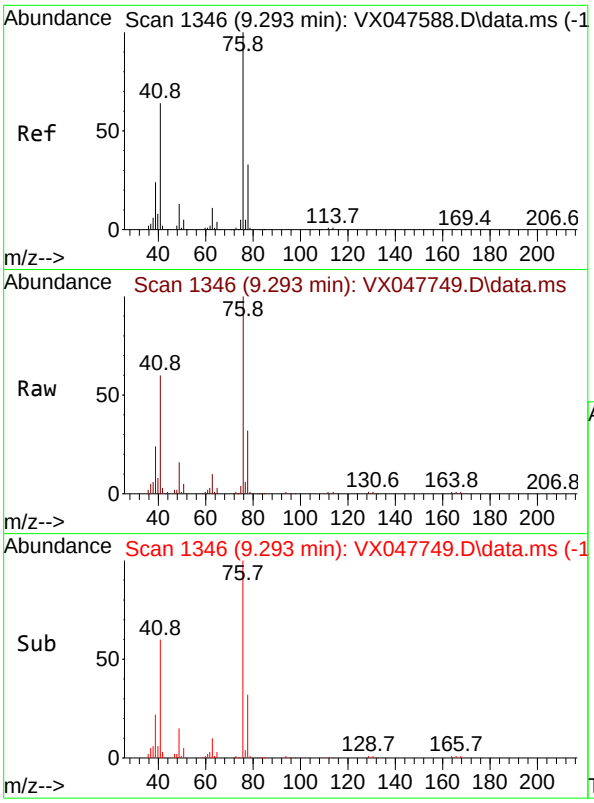




#56
Ethyl methacrylate
Concen: 17.924 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 69 Resp: 56127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.7 | 58.6 | 87.8 |
| 39 | 38.0 | 31.5 | 47.3 |



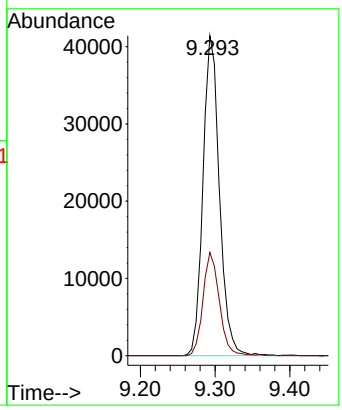


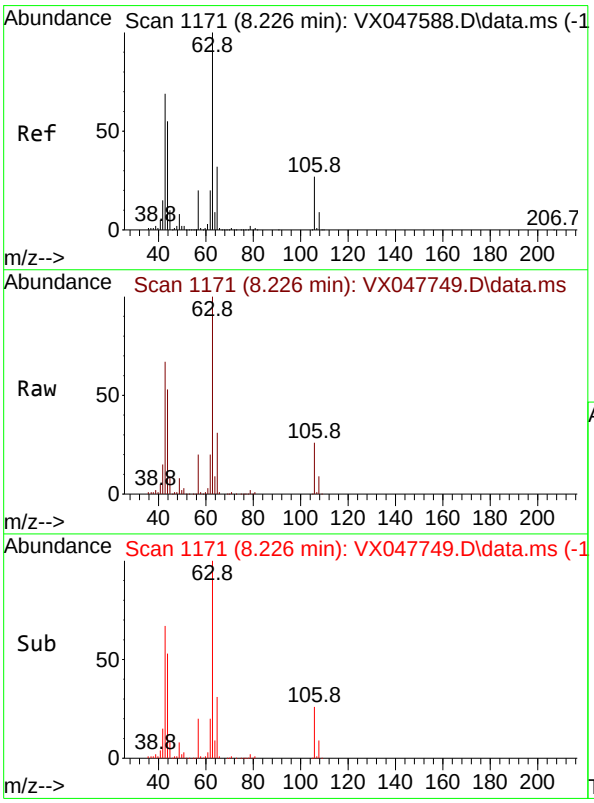

#57
1,3-Dichloropropane
Concen: 18.497 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 76 Resp: 63358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.2 | 26.2 | 39.4 |

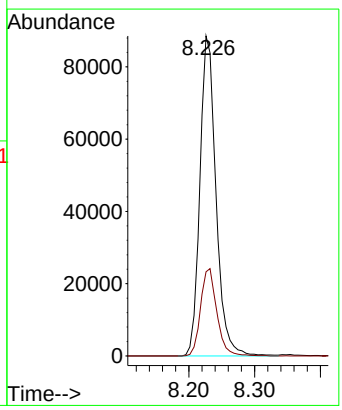


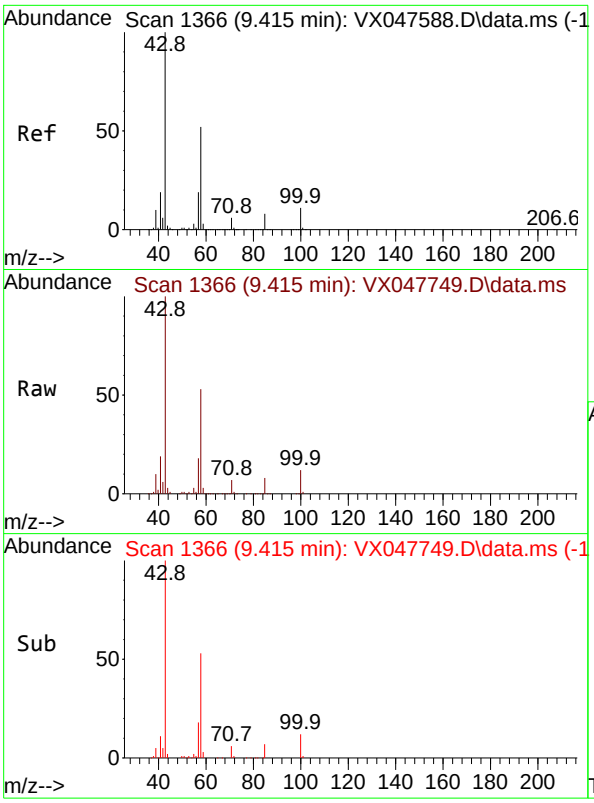




#58
2-Chloroethyl Vinyl ether
Concen: 107.686 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 63 Resp: 150794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



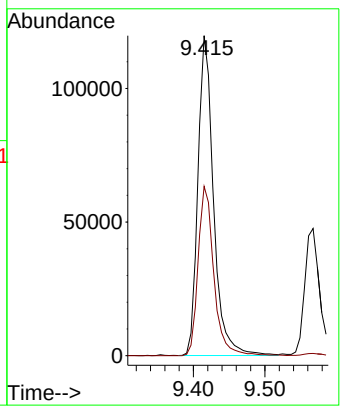


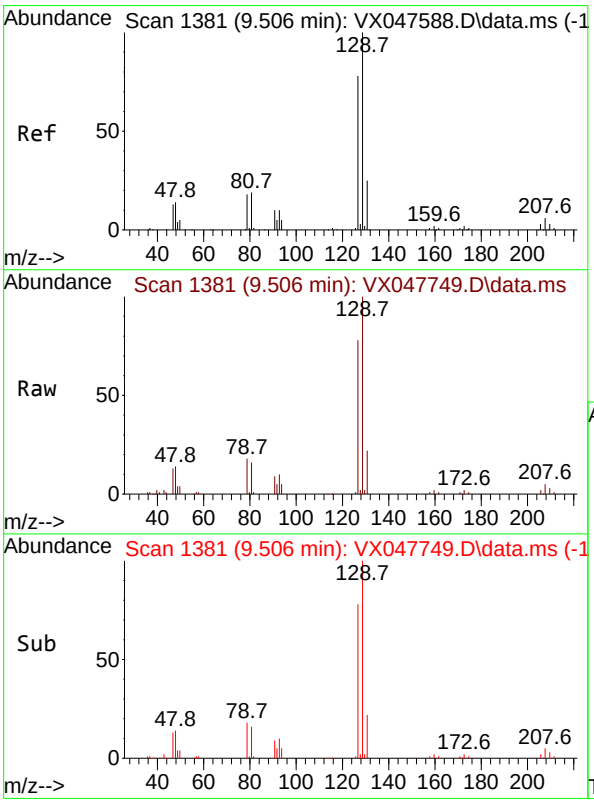

#59
2-Hexanone
Concen: 93.973 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 43 Resp: 181591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.5 | 26.1 | 78.2 |

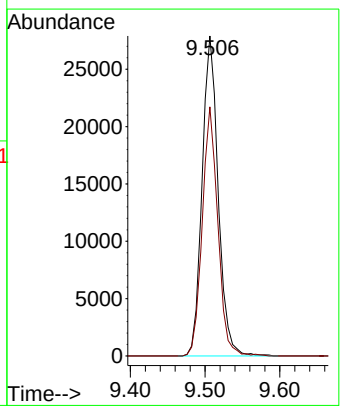


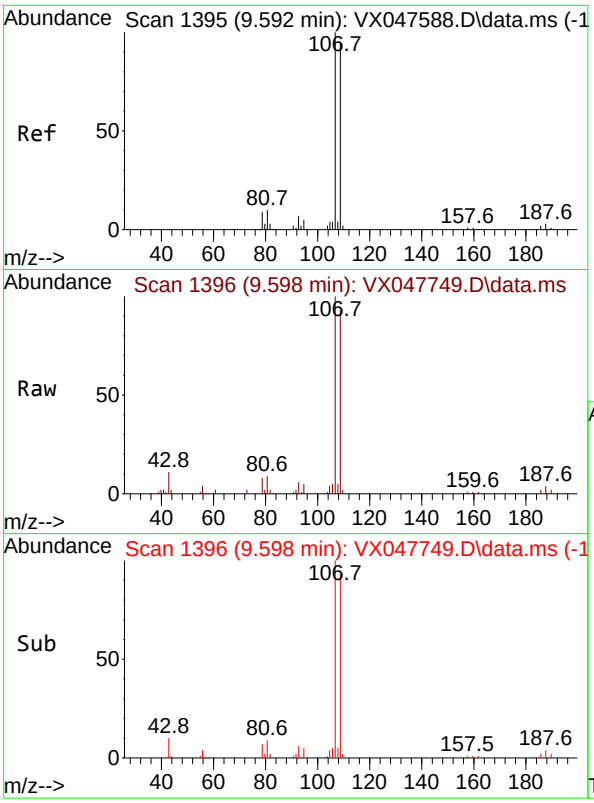




#60
Dibromochloromethane
Concen: 18.125 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:129 Resp: 41641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 75.6 | 38.4 | 115.2 |



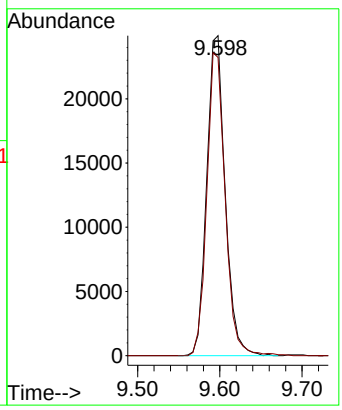


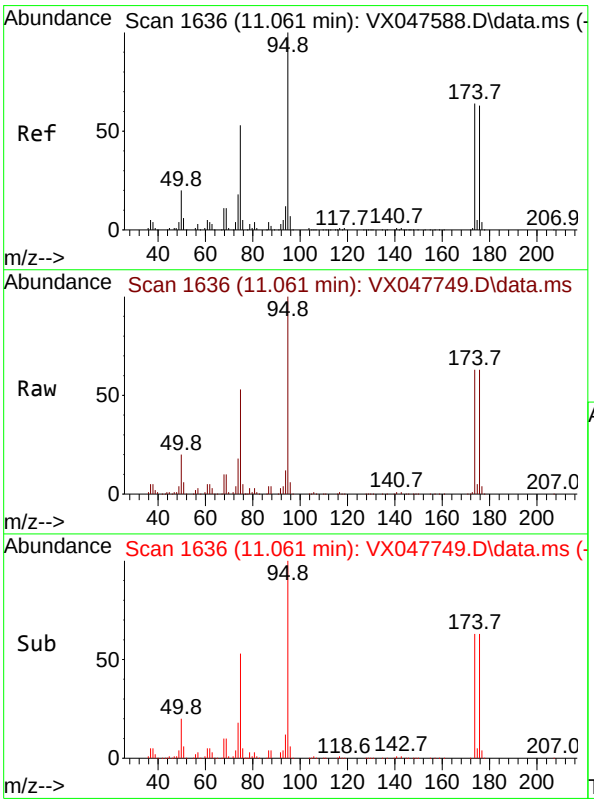

#61
1,2-Dibromoethane
Concen: 19.067 ug/l
RT: 9.598 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:107 Resp: 38724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 94.4 | 75.3 | 112.9 |

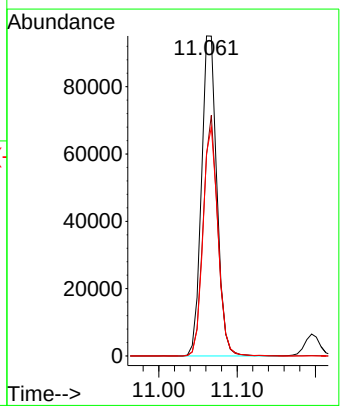


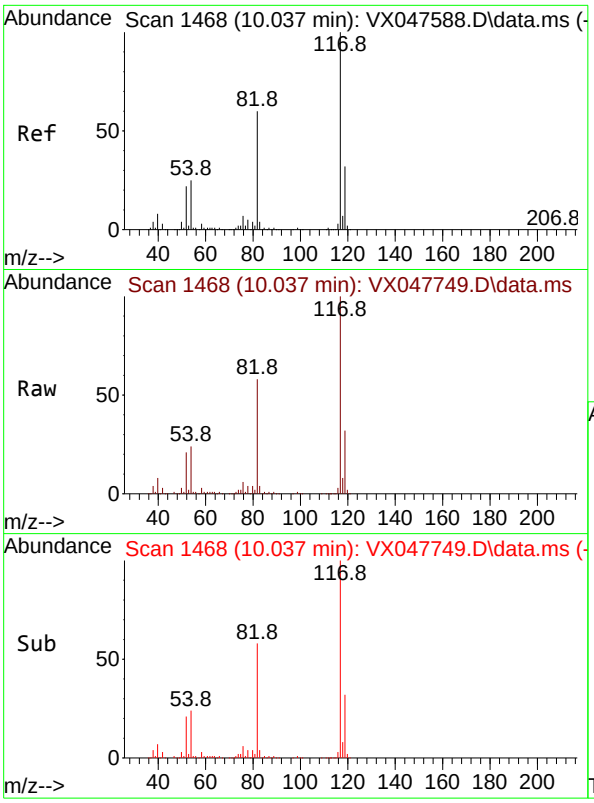




#62
4-Bromofluorobenzene
Concen: 52.114 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 95 Resp: 129425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 70.7 | 0.0 | 141.6 |
| 176 | 69.8 | 0.0 | 138.4 |



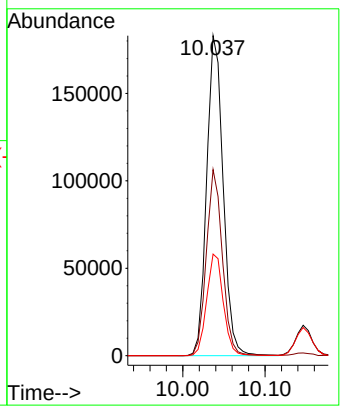


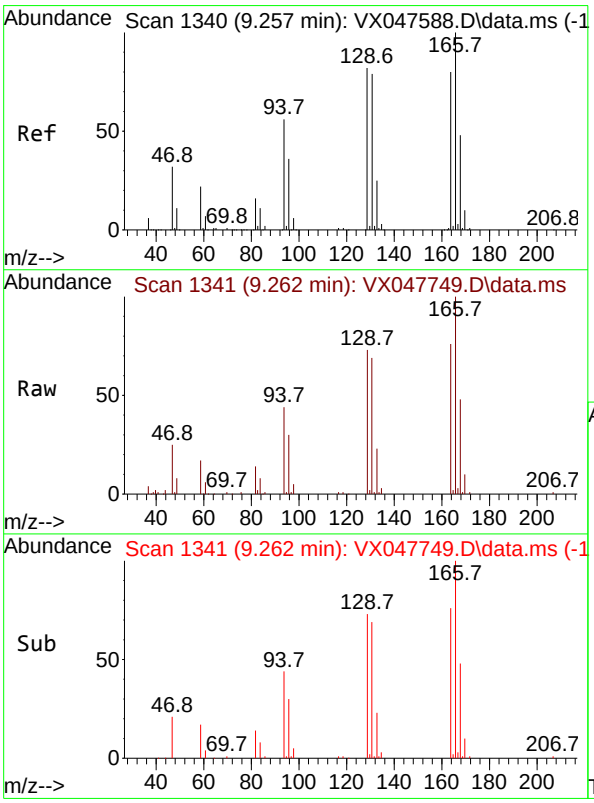

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:117 Resp: 254297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.1 | 47.8 | 71.6 |
| 119 | 31.7 | 25.2 | 37.8 |

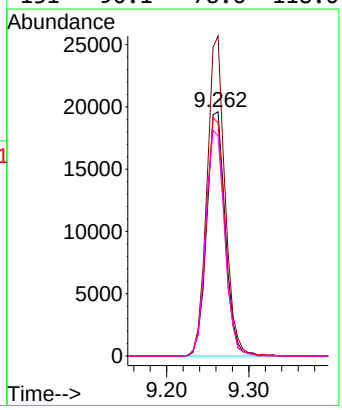


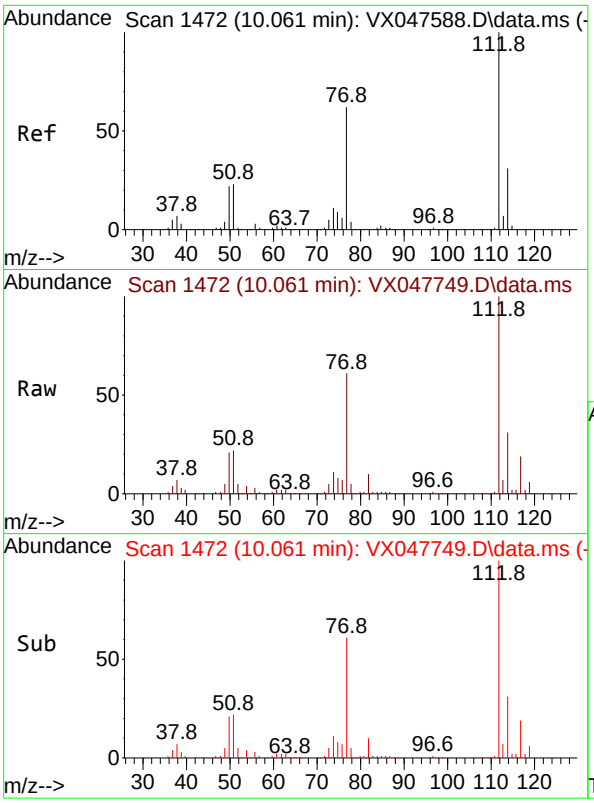




#64
Tetrachloroethene
Concen: 18.494 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:164 Resp: 30658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 131.1 | 100.2 | 150.2 |
| 129 | 95.6 | 81.8 | 122.6 |
| 131 | 90.1 | 78.6 | 118.0 |



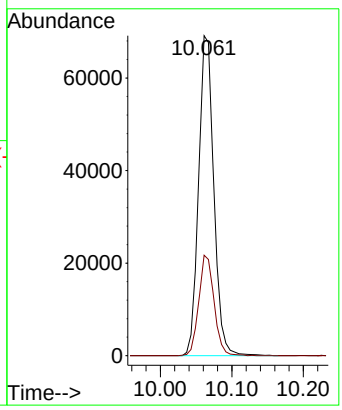


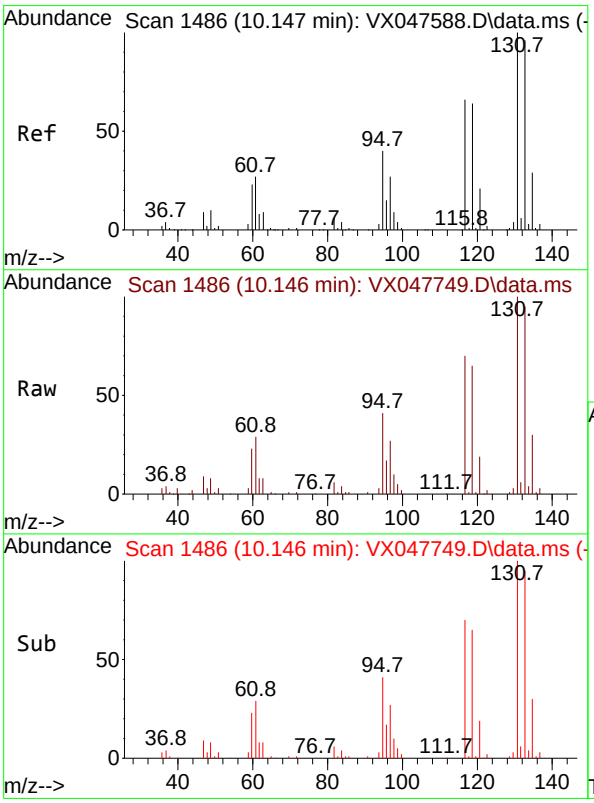

#65
Chlorobenzene
Concen: 17.689 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:112 Resp: 102193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.4 | 25.1 | 37.7 |

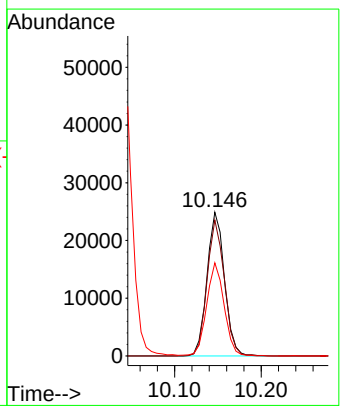


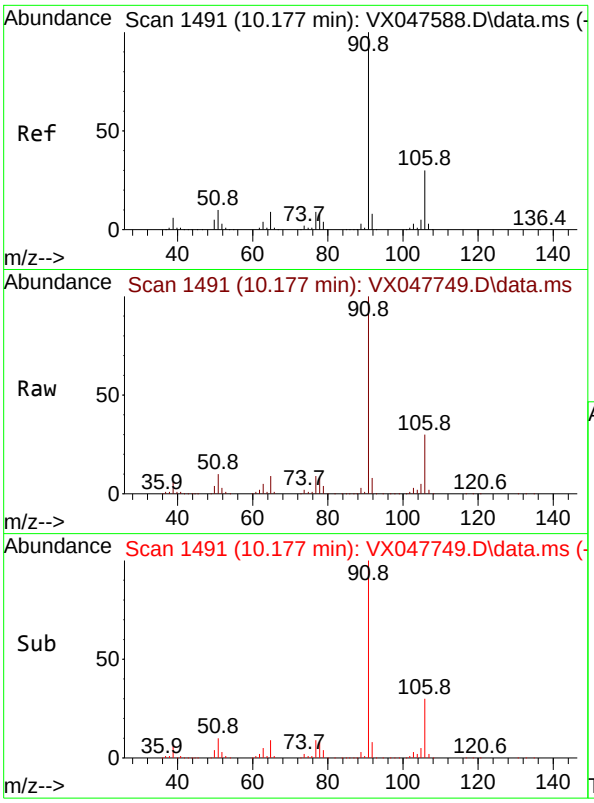




#66
1,1,1,2-Tetrachloroethane
Concen: 17.500 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:131 Resp: 34887

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 93.9 | 47.3 | 142.0 |
| 119 | 64.9 | 32.0 | 96.0 |



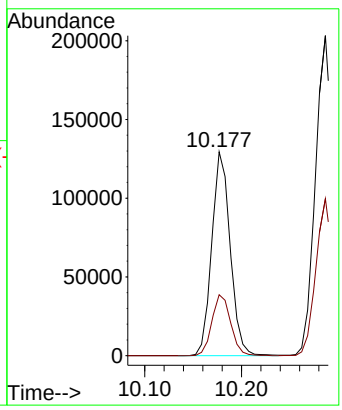


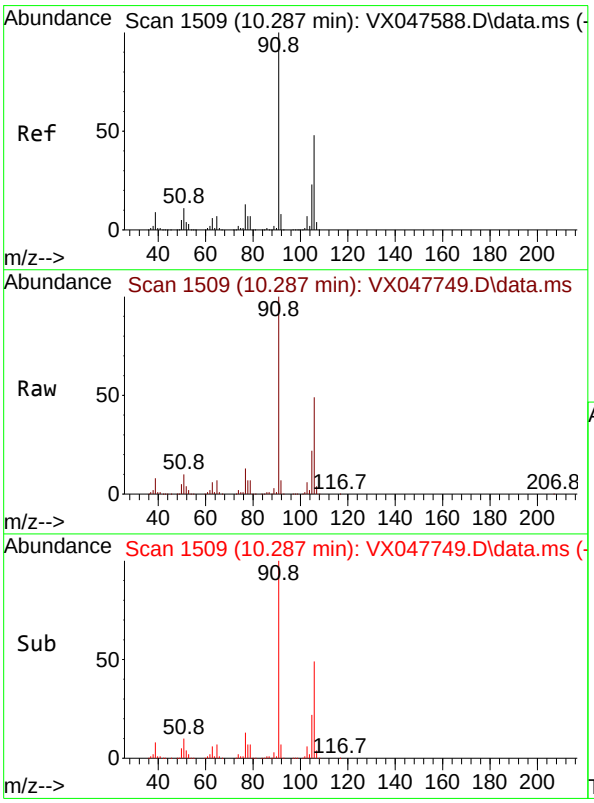

#67
Ethyl Benzene
Concen: 17.180 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 91 Resp: 171255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 29.9 | 24.3 | 36.5 |

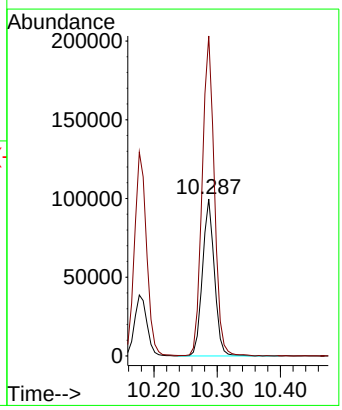


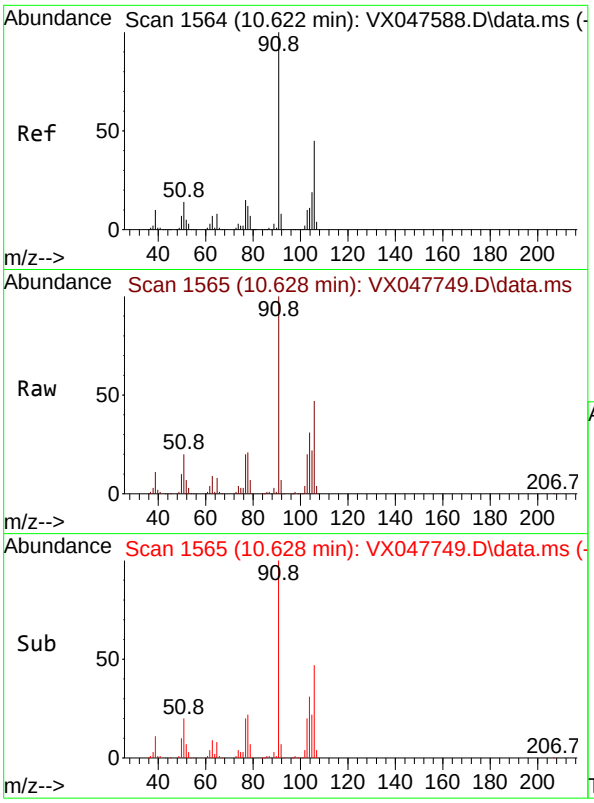




#68
m/p-Xylenes
Concen: 35.307 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:106 Resp: 130995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 208.4 | 167.8 | 251.8 |



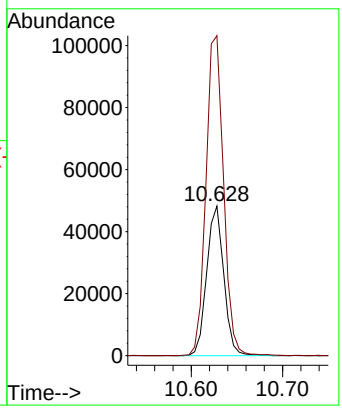


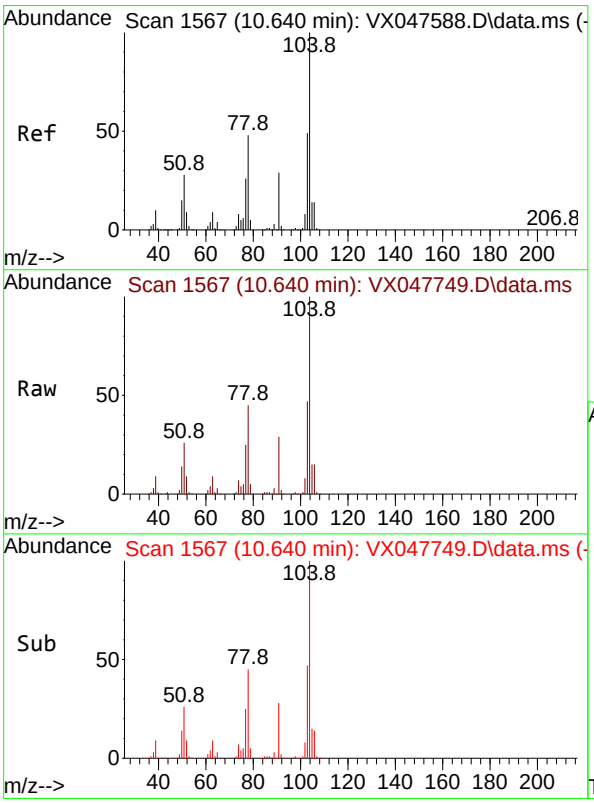

#69
o-Xylene
Concen: 17.473 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:106 Resp: 62705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 220.5 | 111.1 | 333.4 |

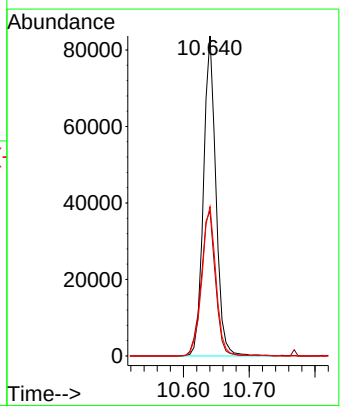


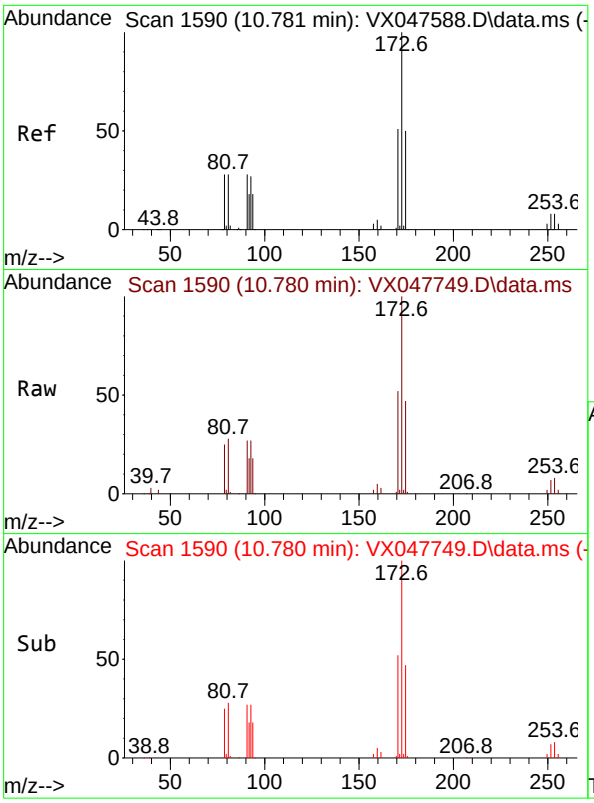




#70
Styrene
Concen: 17.497 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:104 Resp: 110018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 52.1 | 43.1 | 64.7 |
| 103 | 52.9 | 43.1 | 64.7 |



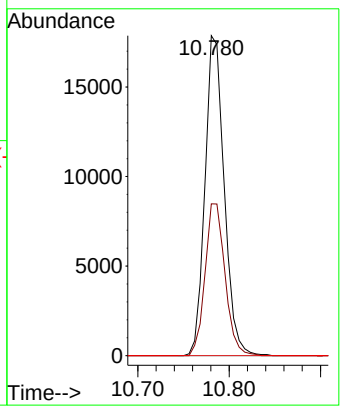


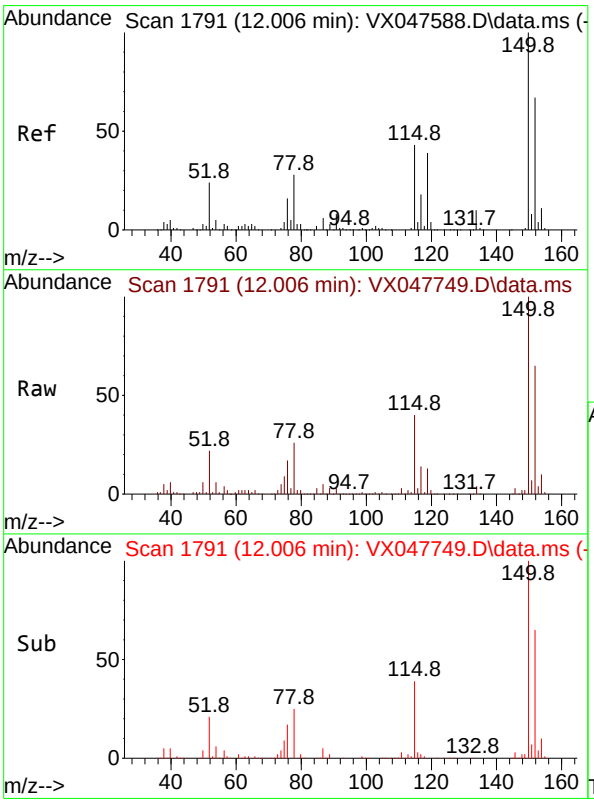

#71
Bromoform
Concen: 17.505 ug/l
RT: 10.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:173 Resp: 26057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 49.4 | 24.9 | 74.6 |
| 254 | 0.0 | 0.1 | 0.1# |

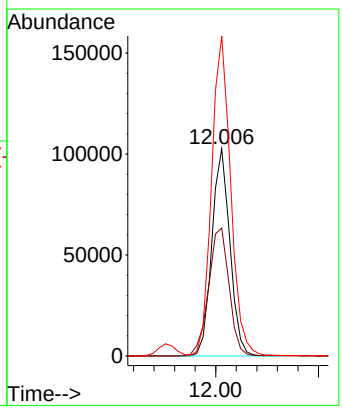


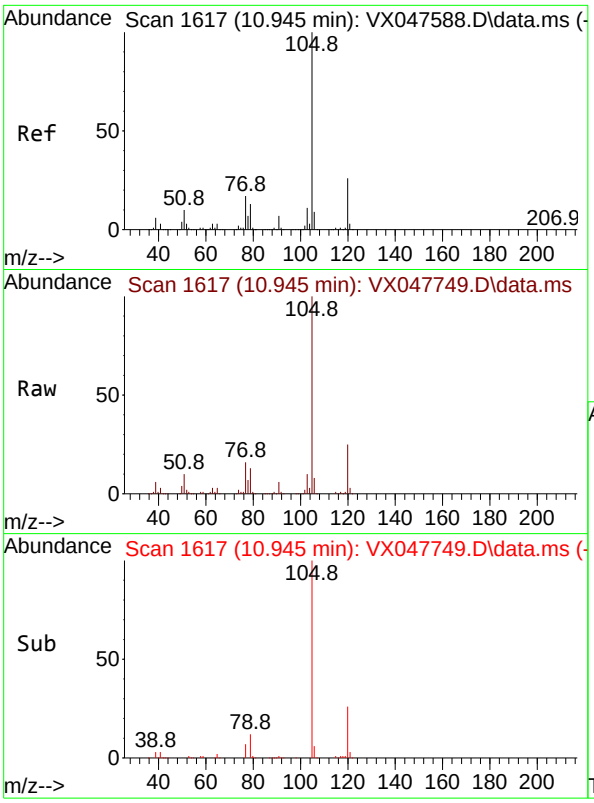




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:152 Resp: 124629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 70.5 | 44.9 | 134.5 |
| 150 | 163.6 | 0.0 | 352.0 |



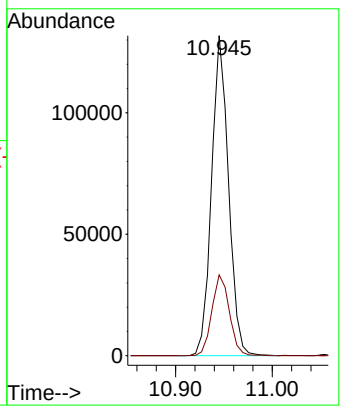


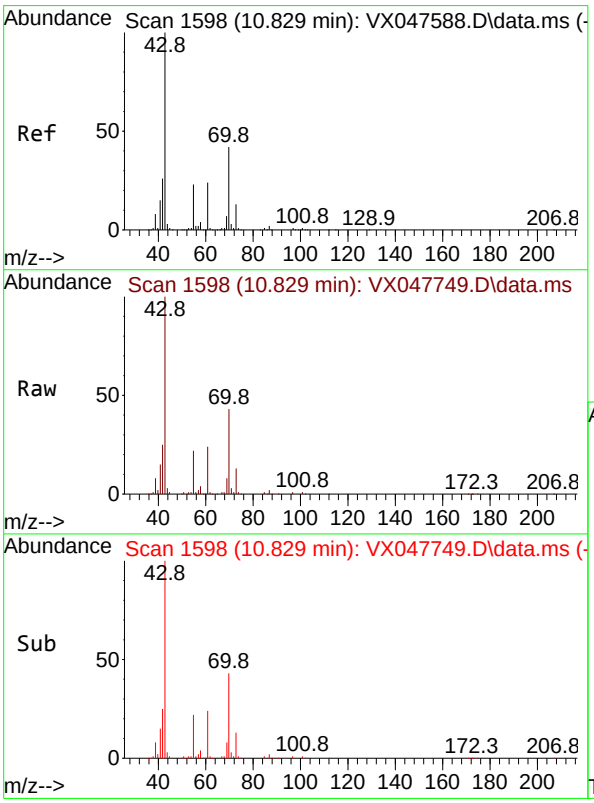

#73
Isopropylbenzene
Concen: 16.911 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:105 Resp: 160236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |

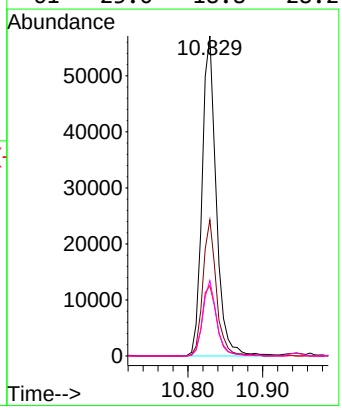


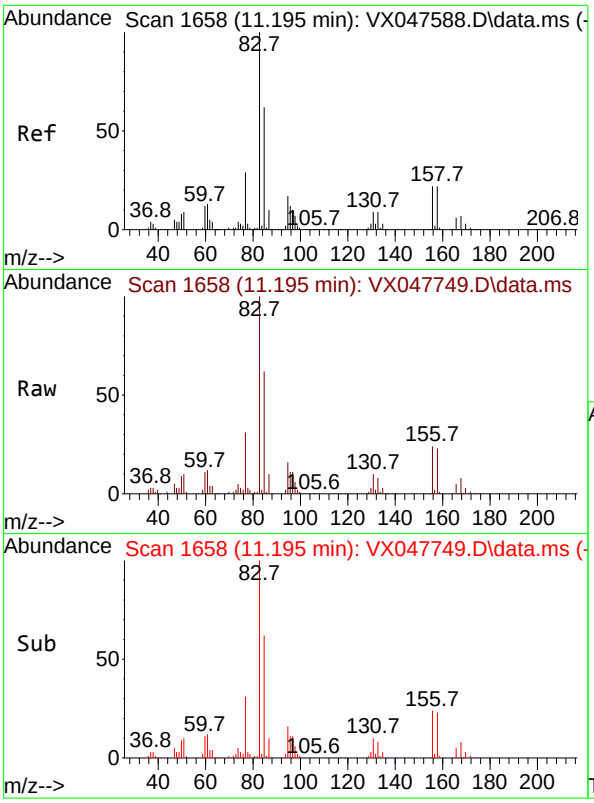




#74
N-amyl acetate
Concen: 17.343 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 43 Resp: 74935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 40.6 | 32.0 | 48.0 |
| 55 | 23.0 | 18.9 | 28.3 |
| 61 | 23.0 | 18.8 | 28.2 |



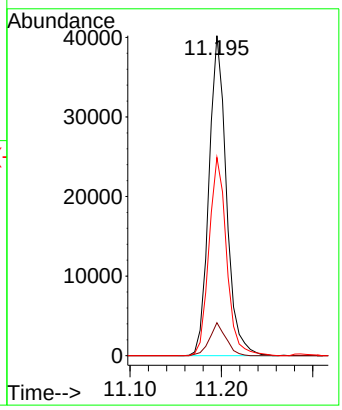


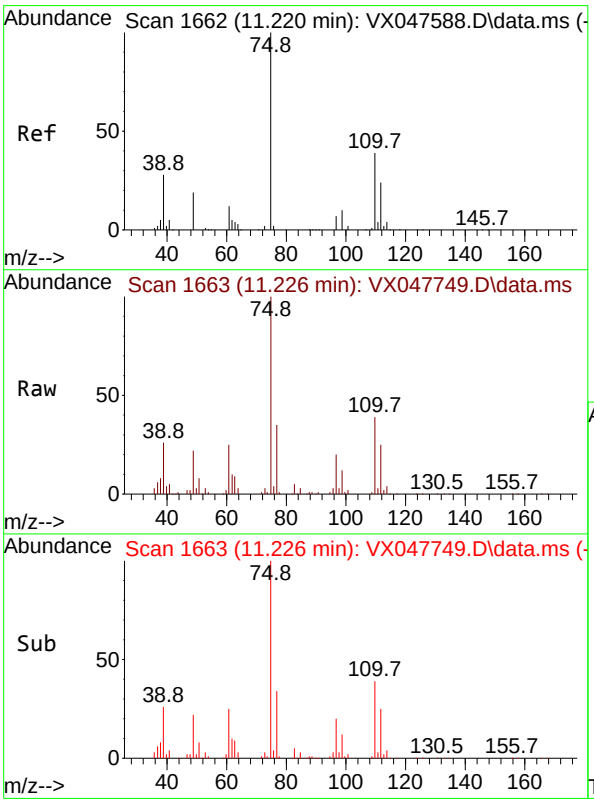

#75
1,1,2,2-Tetrachloroethane
Concen: 18.541 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 83 Resp: 53151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.8 | 5.0 | 14.9 |
| 85 | 62.5 | 31.6 | 95.0 |

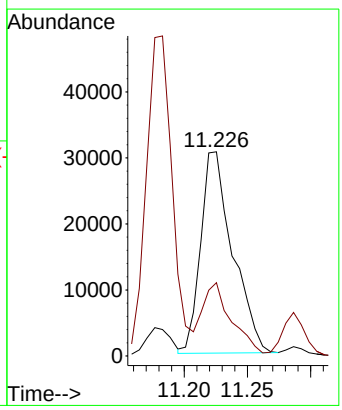


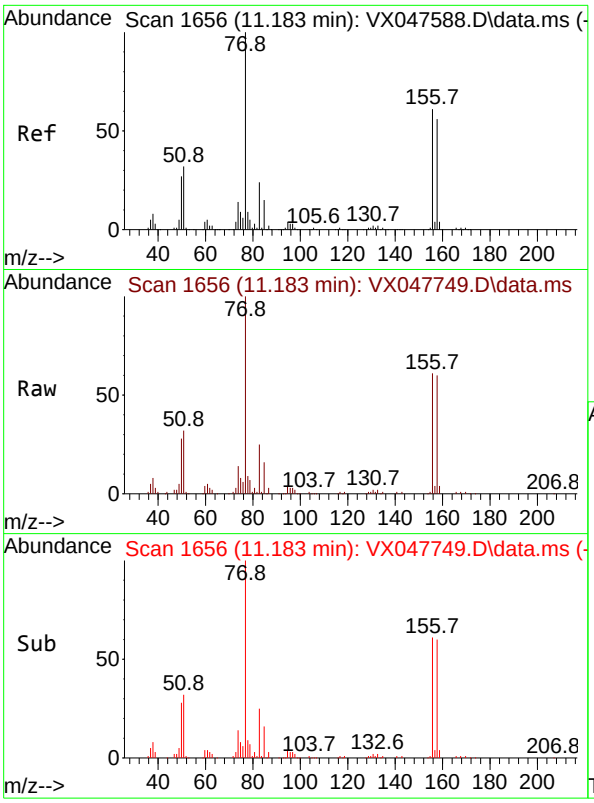




#76
1,2,3-Trichloropropane
Concen: 21.300 ug/l
RT: 11.226 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 53748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 33.1 | 18.8 | 56.4 |



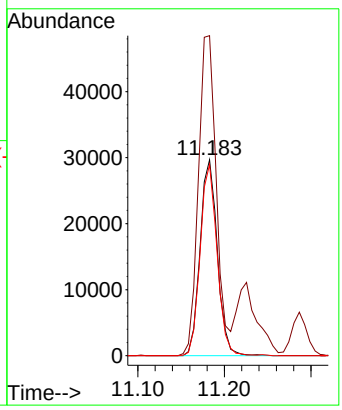


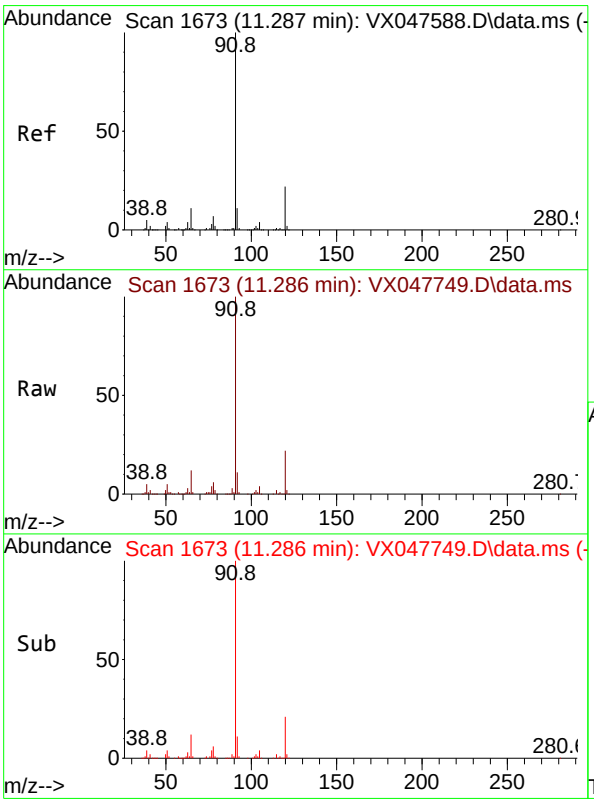

#77
Bromobenzene
Concen: 17.565 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:156 Resp: 40990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 170.3 | 89.7 | 269.1 |
| 158 | 95.6 | 47.9 | 143.6 |

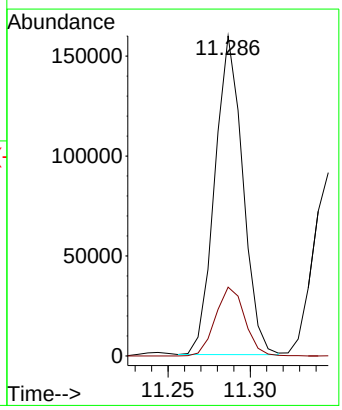


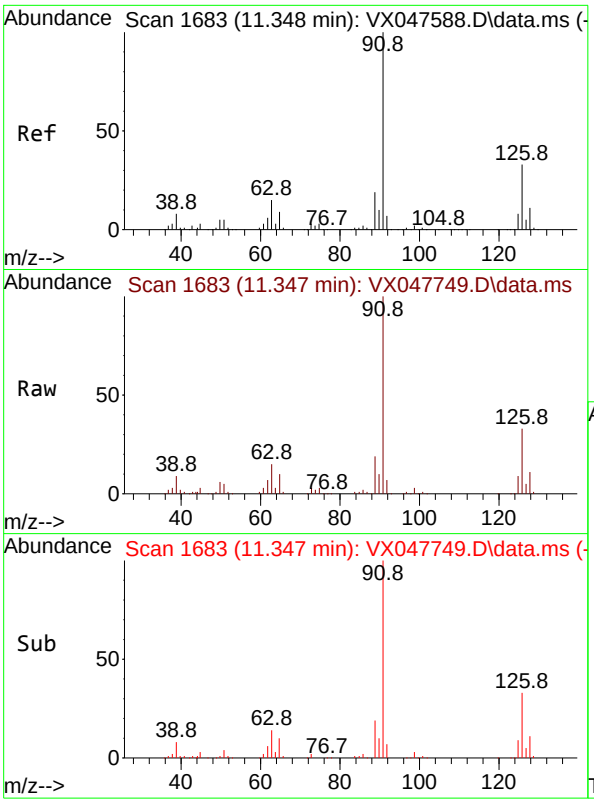




#78
n-propylbenzene
Concen: 16.859 ug/l
RT: 11.286 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 188833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.6 | 11.1 | 33.1 |



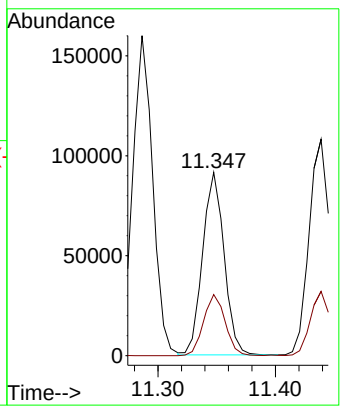


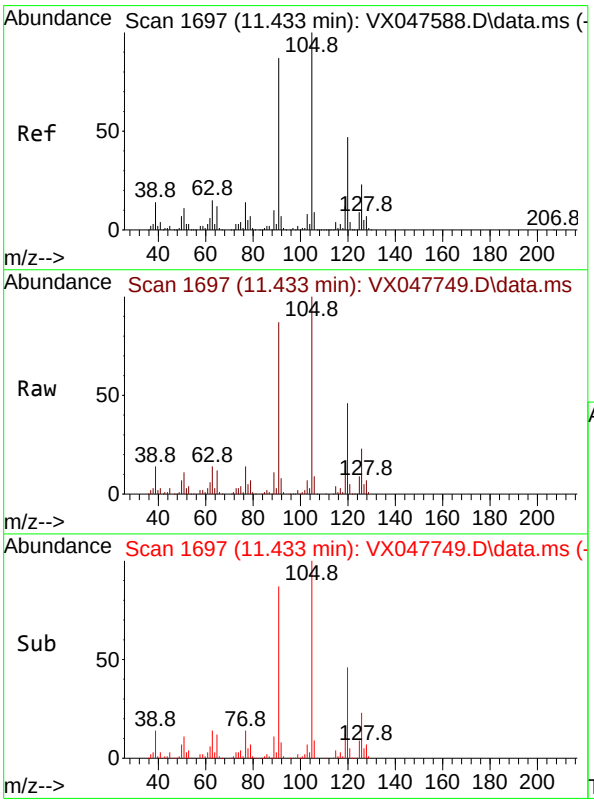

#79
2-Chlorotoluene
Concen: 16.904 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 91 Resp: 115965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 33.8 | 16.1 | 48.3 |

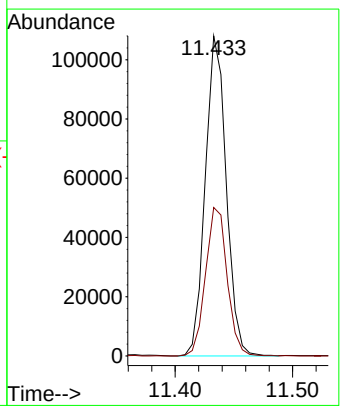


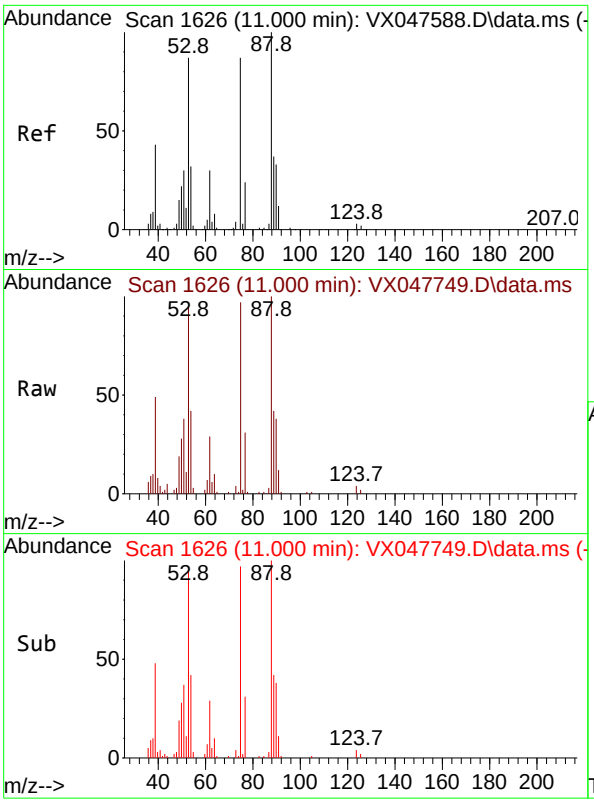




#80
1,3,5-Trimethylbenzene
Concen: 17.201 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 133906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.0 | 23.6 | 70.8 |



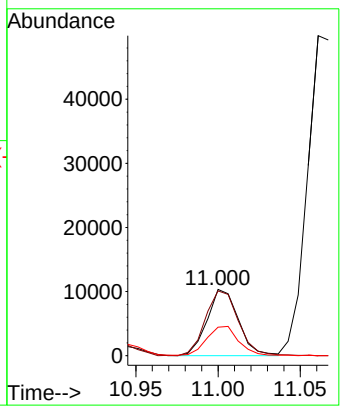


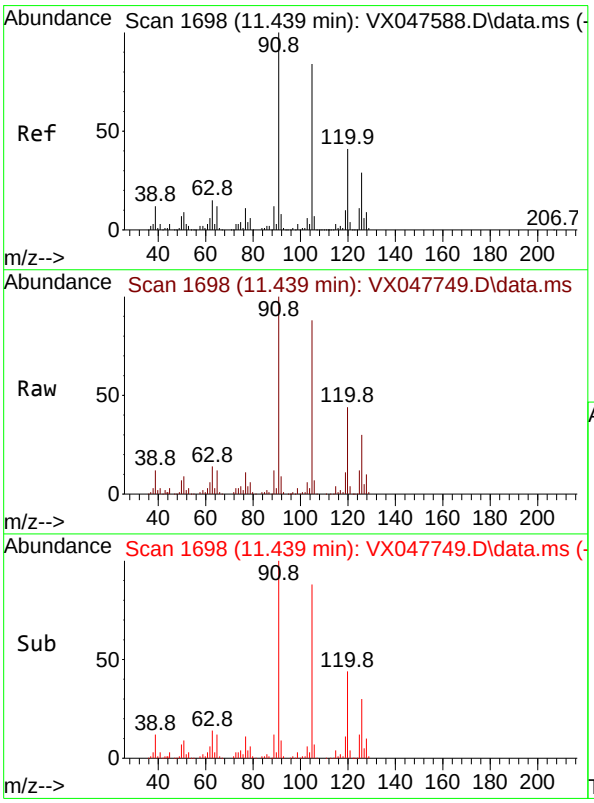

#81
trans-1,4-Dichloro-2-butene
Concen: 13.838 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 75 Resp: 13693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 103.1 | 83.4 | 125.2 |
| 89 | 45.8 | 36.3 | 54.5 |

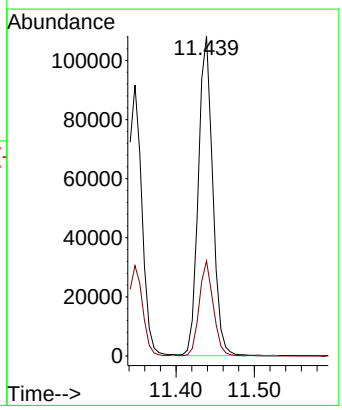


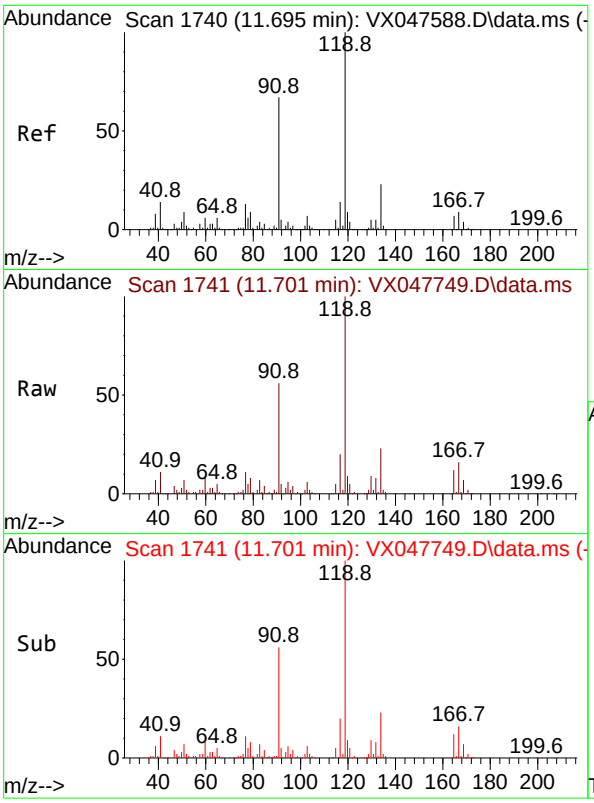




#82
4-Chlorotoluene
Concen: 17.045 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 91 Resp: 138107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 28.7 | 14.2 | 42.6 |



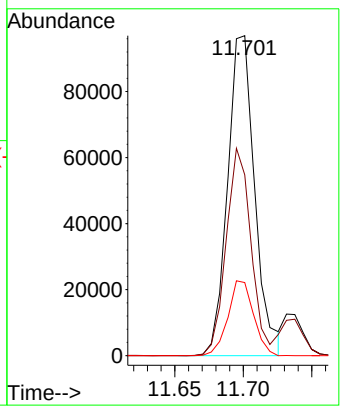


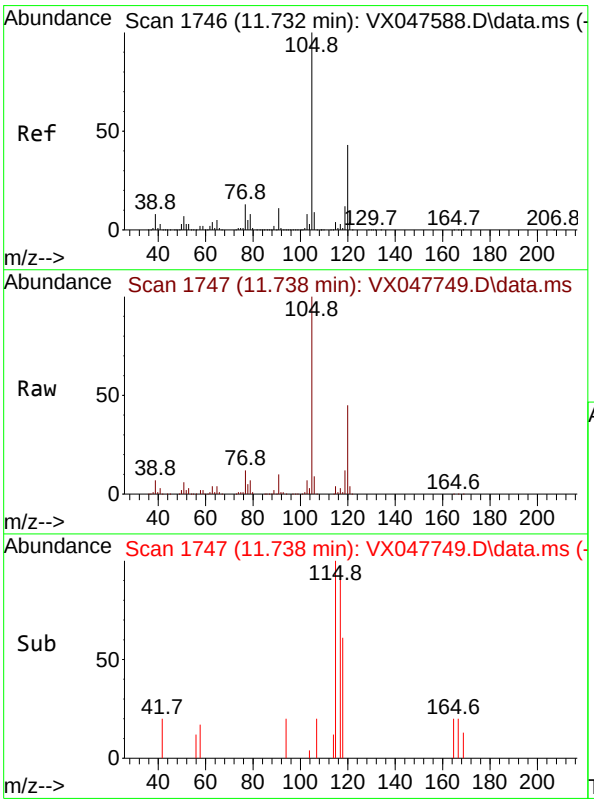

#83
tert-Butylbenzene
Concen: 16.789 ug/l
RT: 11.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:119 Resp: 133788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 59.2 | 29.6 | 88.8 |
| 134 | 22.2 | 11.0 | 33.0 |

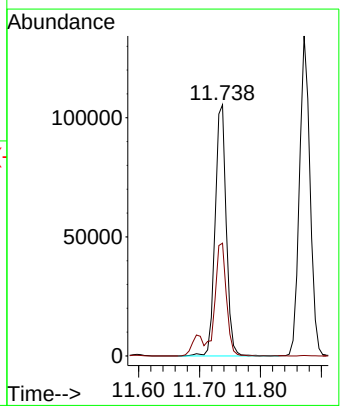


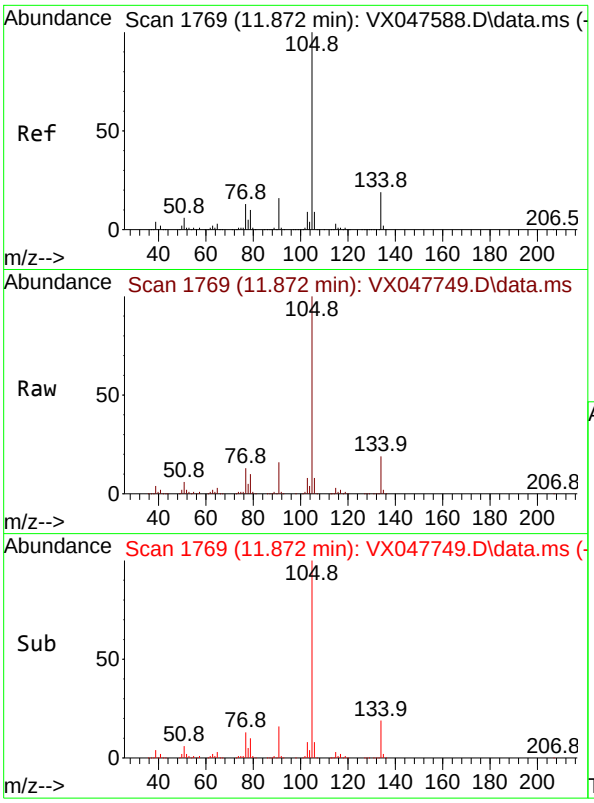




#84
1,2,4-Trimethylbenzene
Concen: 16.931 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:105 Resp: 133626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 46.1 | 22.1 | 66.1 |



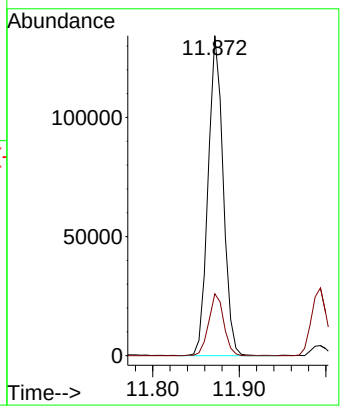


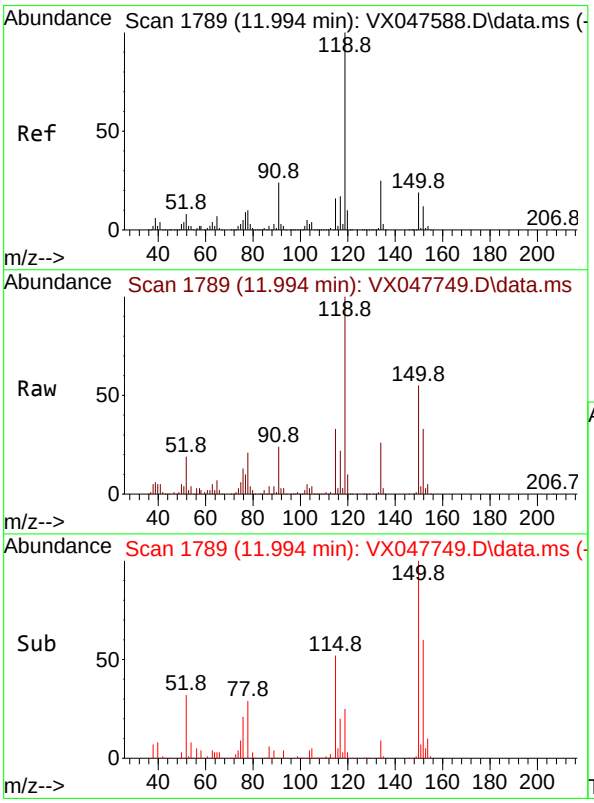

#85
sec-Butylbenzene
Concen: 17.119 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:105 Resp: 162042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.4 | 9.8 | 29.5 |

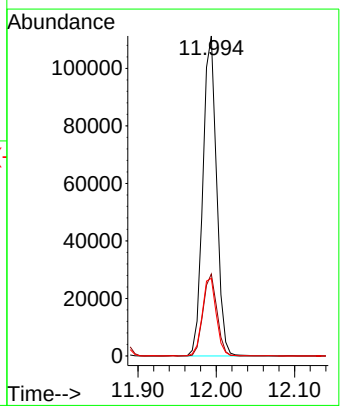


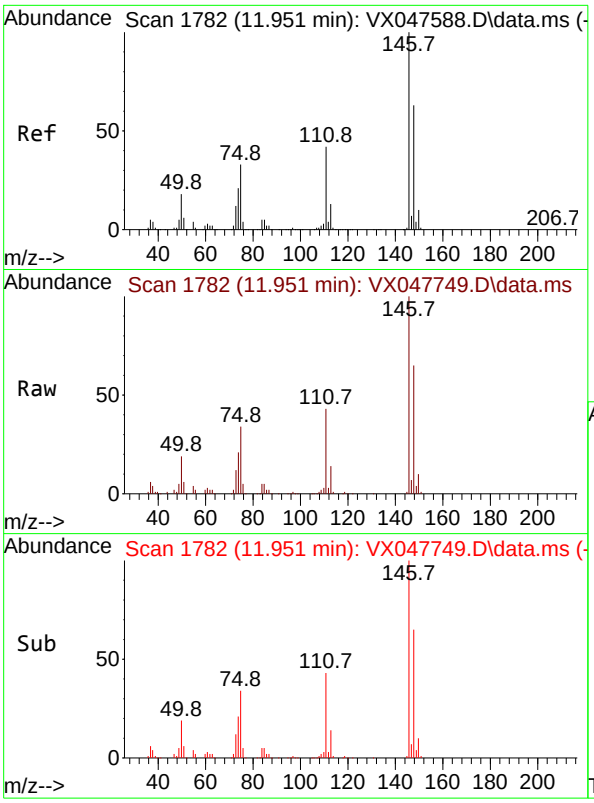




#86
p-Isopropyltoluene
Concen: 16.841 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:119 Resp: 134959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 25.8 | 12.6 | 37.8 |
| 91 | 25.0 | 12.6 | 37.6 |



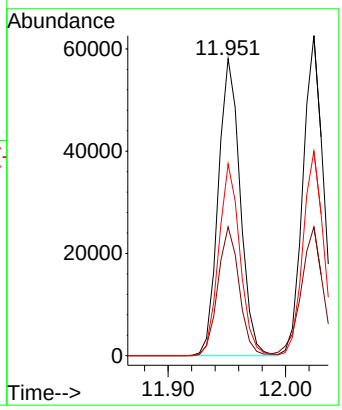


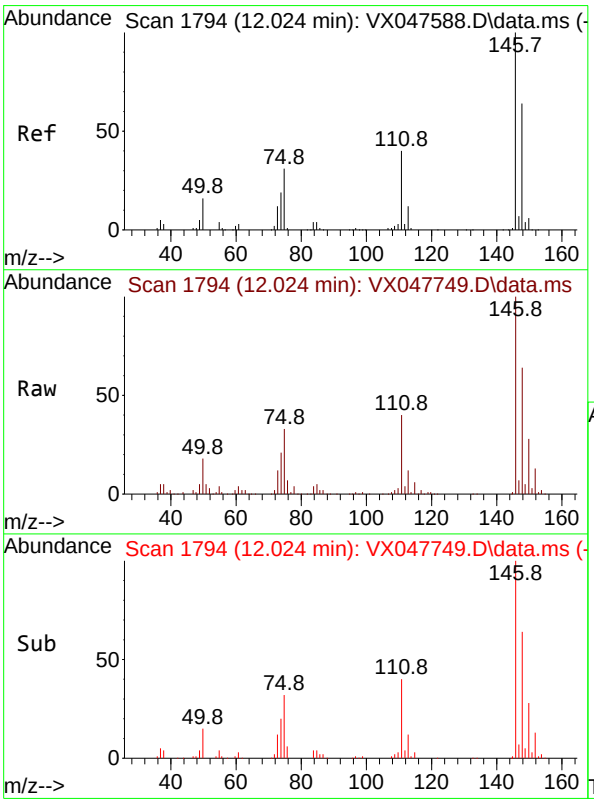

#87
1,3-Dichlorobenzene
Concen: 17.395 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:146 Resp: 75401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.0 | 21.5 | 64.5 |
| 148 | 62.6 | 32.0 | 96.0 |

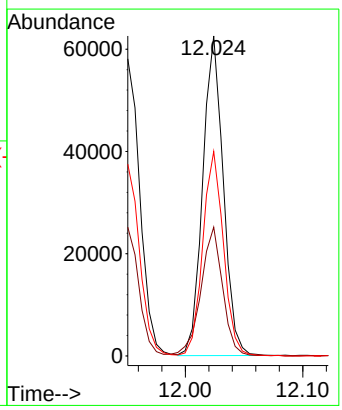


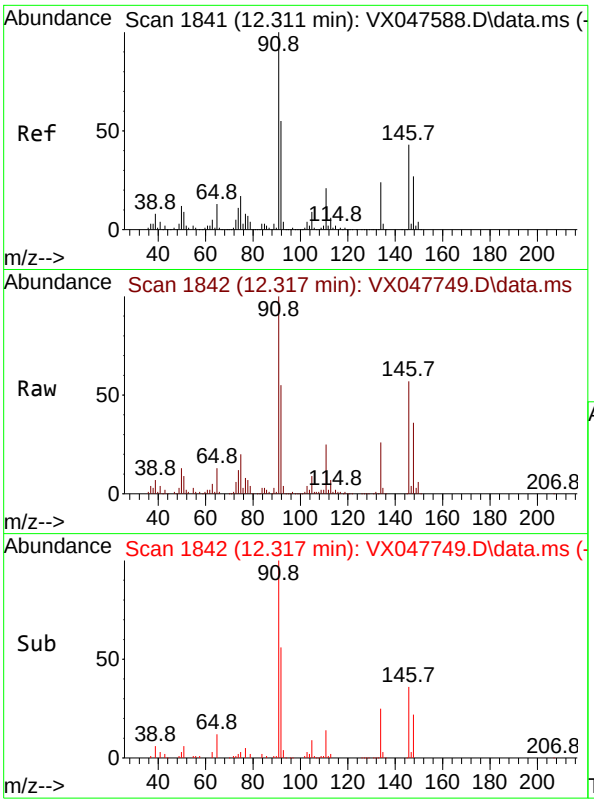




#88
1,4-Dichlorobenzene
Concen: 17.073 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:146 Resp: 75954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 42.8 | 20.8 | 62.4 |
| 148 | 64.6 | 31.7 | 95.1 |



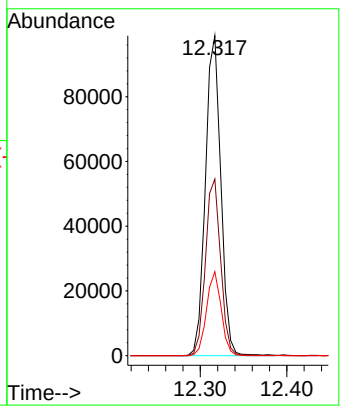


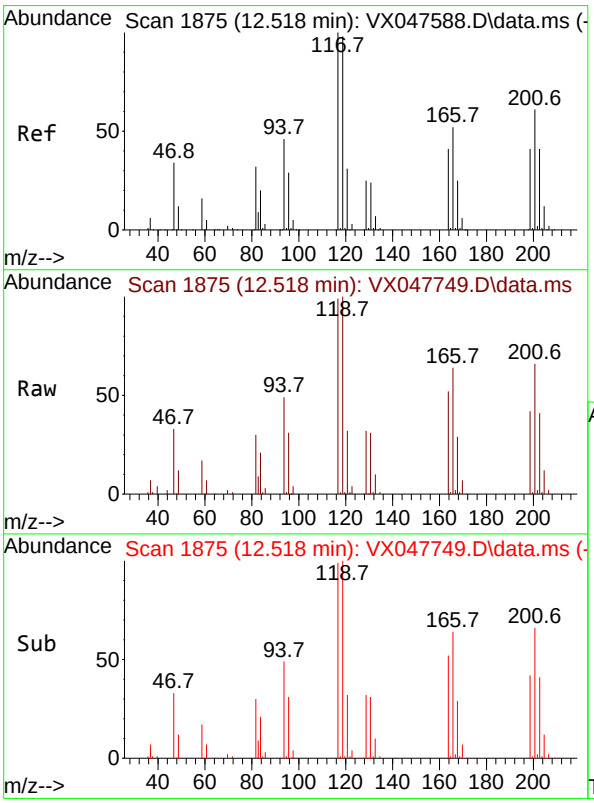

#89
n-Butylbenzene
Concen: 16.446 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion: 91 Resp: 121947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 54.5 | 27.6 | 82.7 |
| 134 | 25.0 | 12.6 | 37.8 |

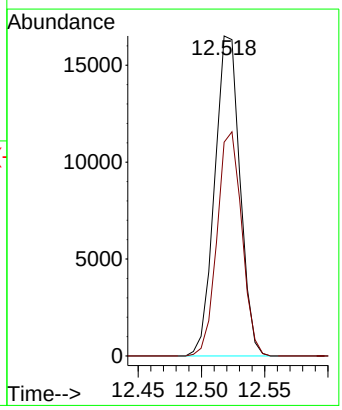


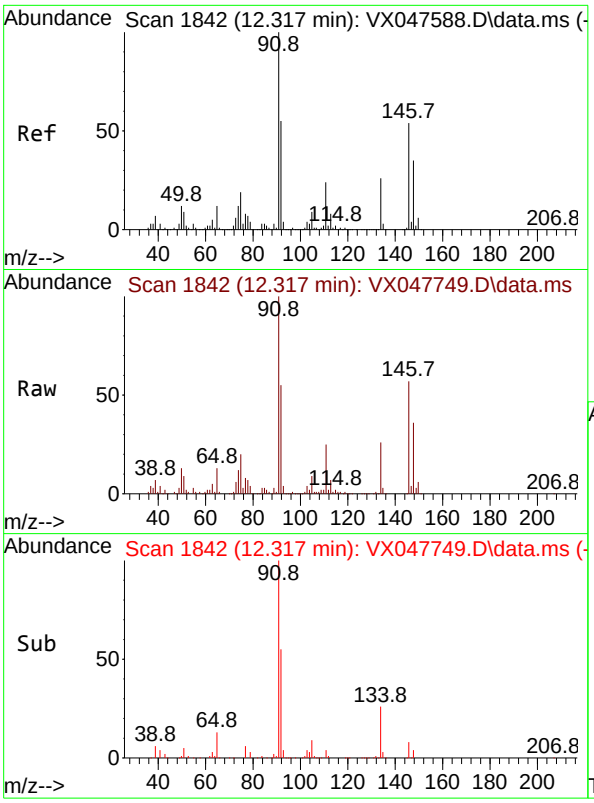




#90
Hexachloroethane
Concen: 16.291 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:117 Resp: 22920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 68.7 | 34.2 | 102.5 |



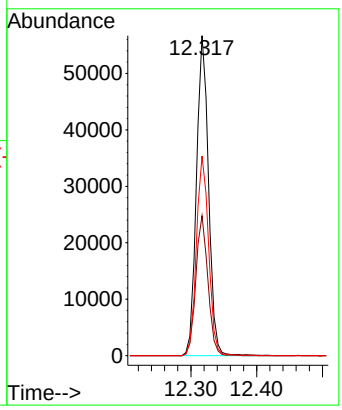


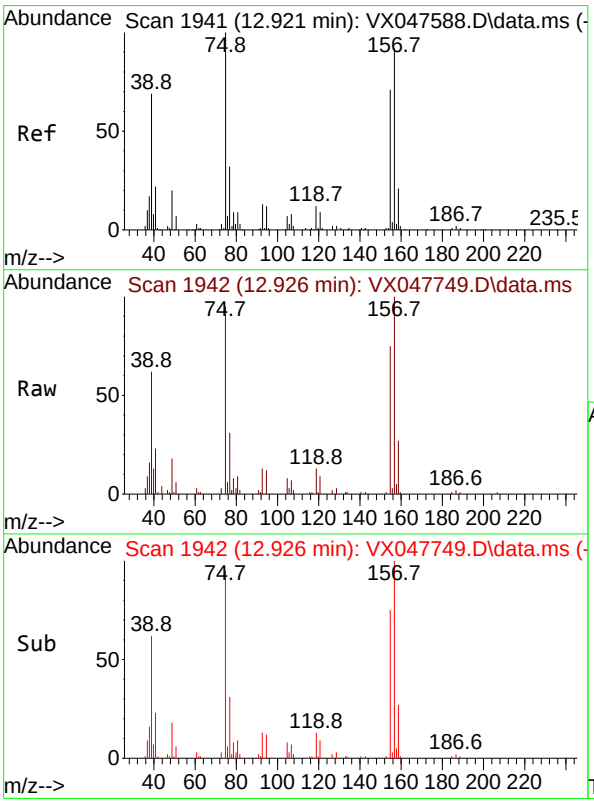

#91
1,2-Dichlorobenzene
Concen: 17.501 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:146 Resp: 72271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.8 | 22.2 | 66.6 |
| 148 | 63.3 | 31.8 | 95.4 |

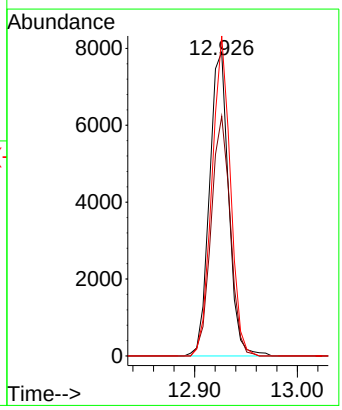


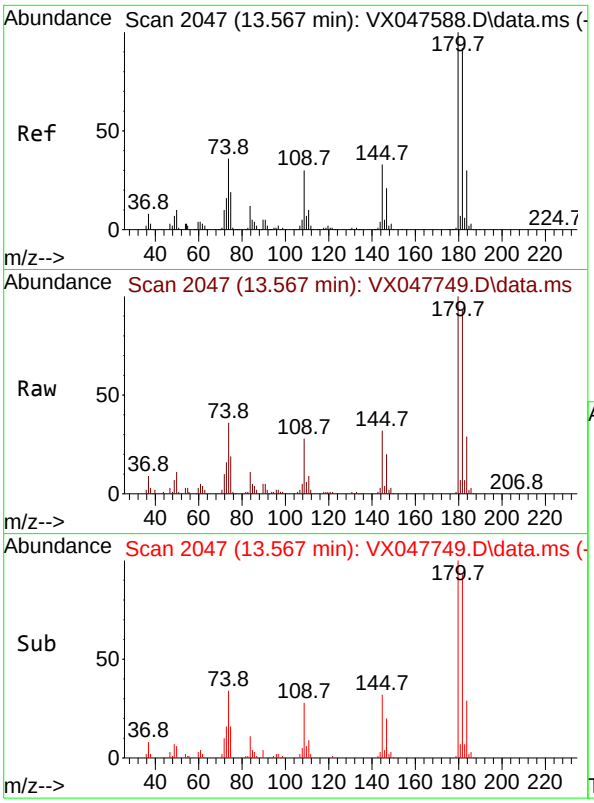




#92
1,2-Dibromo-3-Chloropropane
Concen: 17.622 ug/l
RT: 12.926 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion: 75 Resp: 10228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 78.8 | 37.7 | 113.1 |
| 157 | 101.1 | 49.8 | 149.4 |



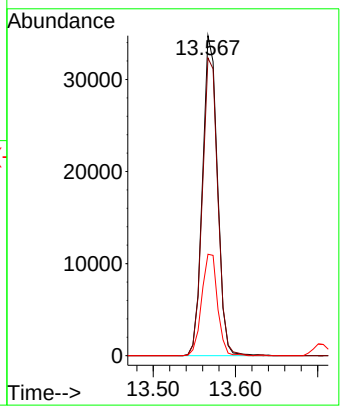


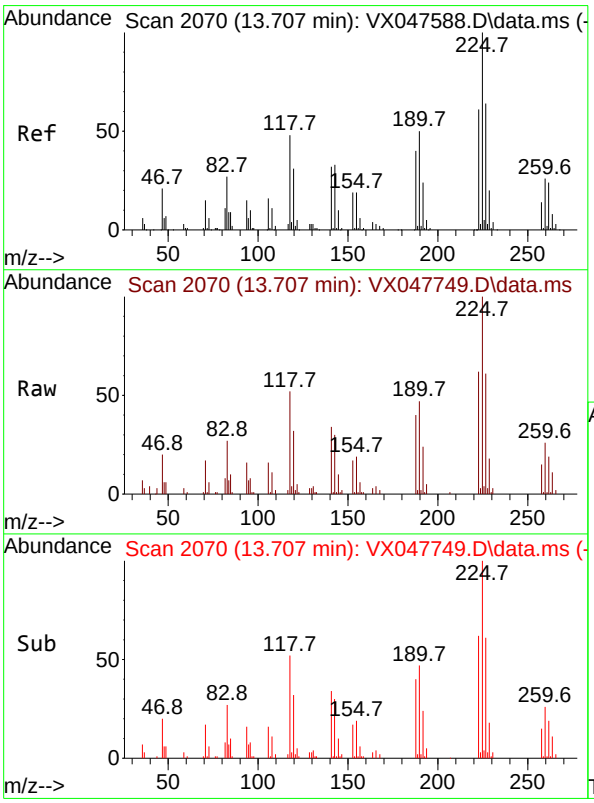

#93
1,2,4-Trichlorobenzene
Concen: 16.358 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:180 Resp: 43903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.7 | 46.6 | 139.8 |
| 145 | 33.5 | 16.4 | 49.1 |

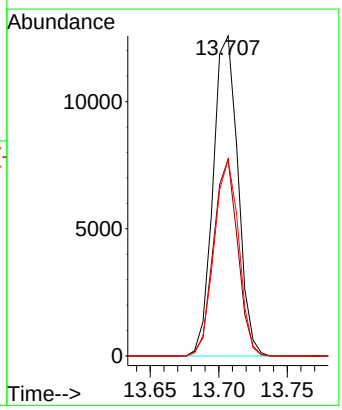


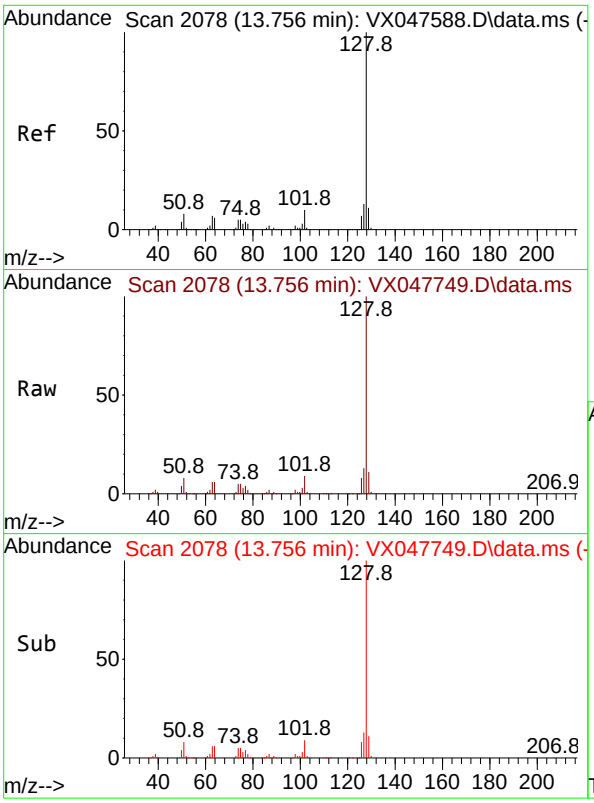




#94
Hexachlorobutadiene
Concen: 17.385 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:225 Resp: 15848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 59.8 | 31.7 | 95.1 |
| 227 | 60.8 | 32.0 | 96.0 |



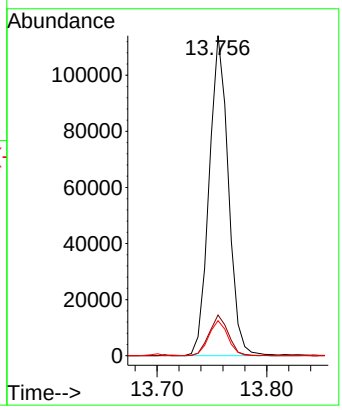


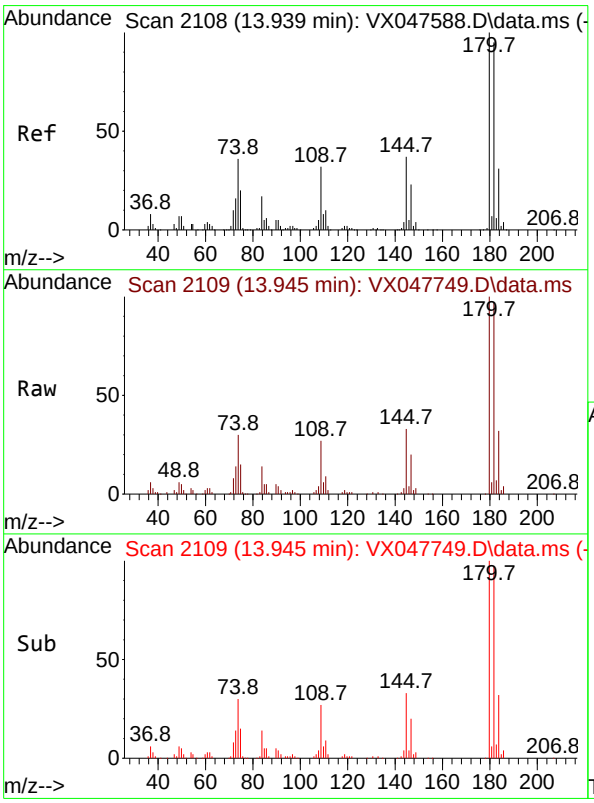

#95
Naphthalene
Concen: 16.995 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0923WBSD03

Tgt Ion:128 Resp: 138889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.7 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |

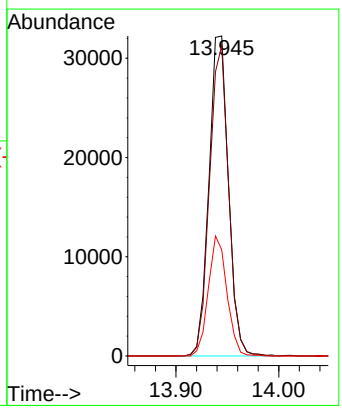



#96
1,2,3-Trichlorobenzene
Concen: 17.094 ug/l
RT: 13.945 min Scan# 2109
Delta R.T. 0.006 min
Lab File: VX047749.D
Acq: 24 Sep 2025 04:14

Tgt Ion:180 Resp: 42676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.5 | 47.6 | 142.8 |
| 145 | 35.6 | 17.9 | 53.7 |



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.538 | 168 | 136245 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.745 | 114 | 254252 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.037 | 117 | 232007 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152 | 113030 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.946 | 65 | 117949 | 54.388 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 78 - 117 | | Recovery = 108.780% | | | |
| 35) Dibromofluoromethane | 5.373 | 113 | 92049 | 53.983 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 107.960% | | | |
| 50) Toluene-d8 | 8.635 | 98 | 314422 | 53.290 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 92 - 112 | | Recovery = 106.580% | | | |
| 62) 4-Bromofluorobenzene | 11.061 | 95 | 120804 | 53.949 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 83 - 123 | | Recovery = 107.900% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.172 | 85 | 80794 | 57.267 | ug/l | 100 |
| 3) Chloromethane | 1.301 | 50 | 100073 | 53.970 | ug/l | 97 |
| 4) Vinyl Chloride | 1.380 | 62 | 98905 | 54.491 | ug/l | 99 |
| 5) Bromomethane | 1.611 | 94 | 63064 | 54.792 | ug/l | 99 |
| 6) Chloroethane | 1.691 | 64 | 63530 | 52.368 | ug/l | 98 |
| 7) Trichlorofluoromethane | 1.892 | 101 | 138008 | 51.208 | ug/l | 99 |
| 8) Diethyl Ether | 2.136 | 74 | 59838 | 54.277 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 79844 | 50.667 | ug/l | 99 |
| 10) Methyl Iodide | 2.453 | 142 | 124745 | 50.757 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.947 | 59 | 65972 | 273.139 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.325 | 96 | 85914 | 53.075 | ug/l | 97 |
| 13) Acrolein | 2.233 | 56 | 62008 | 278.592 | ug/l | 97 |
| 14) Allyl chloride | 2.666 | 41 | 160323 | 47.997 | ug/l | 95 |
| 15) Acrylonitrile | 3.056 | 53 | 274545 | 306.873 | ug/l | 99 |
| 16) Acetone | 2.373 | 43 | 219982 | 233.292 | ug/l | 97 |
| 17) Carbon Disulfide | 2.514 | 76 | 234371 | 52.888 | ug/l | 99 |
| 18) Methyl Acetate | 2.697 | 43 | 128034 | 61.011 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.111 | 73 | 320438 | 54.228 | ug/l | 98 |
| 20) Methylene Chloride | 2.788 | 84 | 106137 | 53.176 | ug/l | 93 |
| 21) trans-1,2-Dichloroethene | 3.093 | 96 | 93317 | 53.545 | ug/l | 96 |
| 22) Diisopropyl ether | 3.751 | 45 | 350616 | 54.161 | ug/l | 86 |
| 23) Vinyl Acetate | 3.715 | 43 | 1442450 | 278.405 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.605 | 63 | 182725 | 53.106 | ug/l | 99 |
| 25) 2-Butanone | 4.538 | 43 | 340369 | 289.378 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 4.465 | 77 | 70096 | 24.508 | ug/l | 93 |
| 27) cis-1,2-Dichloroethene | 4.483 | 96 | 113757 | 53.299 | ug/l | 92 |
| 28) Bromochloromethane | 4.885 | 49 | 80547 | 53.622 | ug/l | 99 |
| 29) Tetrahydrofuran | 4.989 | 42 | 220667 | 311.862 | ug/l | 100 |
| 30) Chloroform | 5.080 | 83 | 187454 | 53.913 | ug/l | 100 |
| 31) Cyclohexane | 5.458 | 56 | 145273 | 50.693 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.373 | 97 | 154526 | 52.395 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.678 | 75 | 120688 | 48.437 | ug/l | 99 |
| 37) Ethyl Acetate | 4.702 | 43 | 149048 | 55.869 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.666 | 117 | 130818 | 48.322 | ug/l | 99 |
| 39) Methylcyclohexane | 7.367 | 83 | 133414 | 47.171 | ug/l | 98 |
| 40) Benzene | 6.025 | 78 | 389912 | 51.523 | ug/l | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.910 | 41 | 77979 | 56.618 | ug/l | 99 |
| 42) 1,2-Dichloroethane | 6.074 | 62 | 143000 | 49.663 | ug/l | 98 |
| 43) Isopropyl Acetate | 6.324 | 43 | 235980 | 53.933 | ug/l | 99 |
| 44) Trichloroethene | 7.110 | 130 | 94203 | 51.488 | ug/l | 93 |
| 45) 1,2-Dichloropropane | 7.415 | 63 | 102032 | 52.653 | ug/l | 99 |
| 46) Dibromomethane | 7.568 | 93 | 74570 | 52.881 | ug/l | 98 |
| 47) Bromodichloromethane | 7.805 | 83 | 150372 | 51.676 | ug/l | 97 |
| 48) Methyl methacrylate | 7.677 | 41 | 118513 | 54.378 | ug/l | 97 |
| 49) 1,4-Dioxane | 7.647 | 88 | 30387 | 1379.627 | ug/l | 99 |
| 51) 4-Methyl-2-Pentanone | 8.555 | 43 | 718573 | 296.207 | ug/l | 100 |
| 52) Toluene | 8.702 | 92 | 239637 | 51.397 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.964 | 75 | 137402 | 46.292 | ug/l | 97 |
| 54) cis-1,3-Dichloropropene | 8.354 | 75 | 149149 | 47.013 | ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 9.134 | 97 | 96376 | 53.607 | ug/l | 97 |
| 56) Ethyl methacrylate | 9.104 | 69 | 158357 | 56.087 | ug/l | 96 |
| 57) 1,3-Dichloropropane | 9.293 | 76 | 167428 | 54.213 | ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.226 | 63 | 402380 | 294.817 | ug/l | 100 |
| 59) 2-Hexanone | 9.415 | 43 | 503351 | 288.900 | ug/l | 98 |
| 60) Dibromochloromethane | 9.506 | 129 | 111057 | 53.612 | ug/l | 98 |
| 61) 1,2-Dibromoethane | 9.592 | 107 | 103205 | 56.360 | ug/l | 100 |
| 64) Tetrachloroethene | 9.256 | 164 | 78844 | 52.130 | ug/l | 96 |
| 65) Chlorobenzene | 10.061 | 112 | 265659 | 50.402 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131 | 93007 | 51.137 | ug/l | 99 |
| 67) Ethyl Benzene | 10.177 | 91 | 452093 | 49.712 | ug/l | 100 |
| 68) m/p-Xylenes | 10.287 | 106 | 343642 | 101.520 | ug/l | 97 |
| 69) o-Xylene | 10.628 | 106 | 167926 | 51.290 | ug/l | 98 |
| 70) Styrene | 10.640 | 104 | 296373 | 51.662 | ug/l | 98 |
| 71) Bromoform | 10.787 | 173 | 73291 | 53.967 | ug/l | 98 |
| 73) Isopropylbenzene | 10.945 | 105 | 417583 | 48.594 | ug/l | 99 |
| 74) N-amyl acetate | 10.829 | 43 | 207812 | 53.032 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83 | 142889 | 54.960 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 11.219 | 75 | 149457 | 65.308 | ug/l | 89 |
| 77) Bromobenzene | 11.183 | 156 | 107213 | 50.657 | ug/l | 97 |
| 78) n-propylbenzene | 11.287 | 91 | 498719 | 49.095 | ug/l | 99 |
| 79) 2-Chlorotoluene | 11.347 | 91 | 304904 | 49.006 | ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.433 | 105 | 345988 | 49.006 | ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75 | 35912 | 40.018 | ug/l | 99 |
| 82) 4-Chlorotoluene | 11.439 | 91 | 357733 | 48.683 | ug/l | 99 |
| 83) tert-Butylbenzene | 11.695 | 119 | 346038 | 47.879 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.732 | 105 | 353276 | 49.355 | ug/l | 100 |
| 85) sec-Butylbenzene | 11.872 | 105 | 415999 | 48.459 | ug/l | 100 |
| 86) p-Isopropyltoluene | 11.994 | 119 | 348647 | 47.972 | ug/l | 99 |
| 87) 1,3-Dichlorobenzene | 11.951 | 146 | 195732 | 49.790 | ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 12.024 | 146 | 195422 | 48.435 | ug/l | 99 |
| 89) n-Butylbenzene | 12.317 | 91 | 317773 | 47.254 | ug/l | 98 |
| 90) Hexachloroethane | 12.518 | 117 | 62783 | 49.203 | ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 12.317 | 146 | 191705 | 51.187 | ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75 | 28696 | 54.516 | ug/l | 93 |
| 93) 1,2,4-Trichlorobenzene | 13.567 | 180 | 119753 | 49.199 | ug/l | 98 |
| 94) Hexachlorobutadiene | 13.707 | 225 | 39271 | 47.499 | ug/l | 99 |
| 95) Naphthalene | 13.756 | 128 | 400255 | 54.002 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.938 | 180 | 118573 | 52.369 | ug/l | 99 |

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

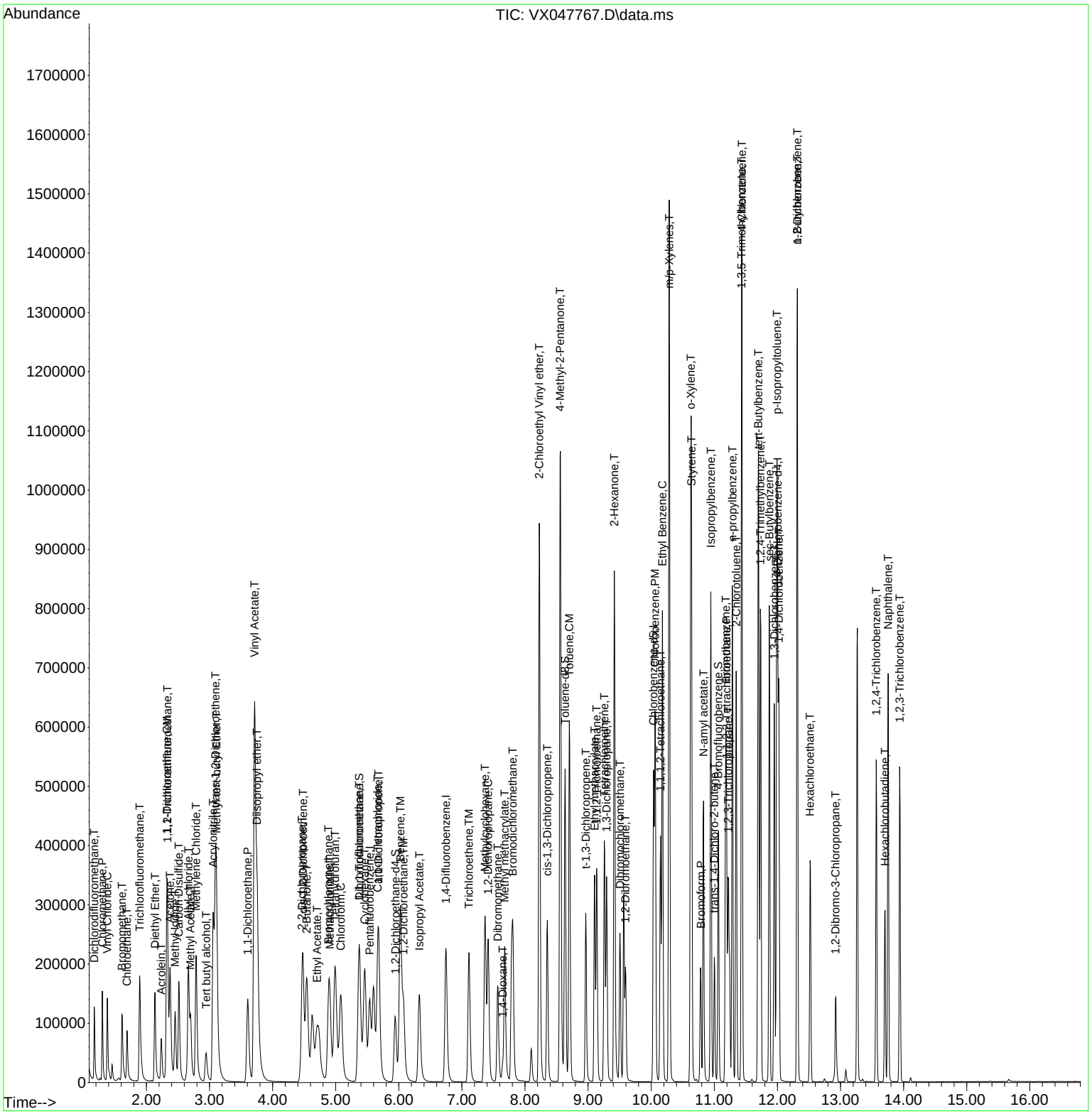
(#) = qualifier out of range (m) = manual integration (+) = signals summed

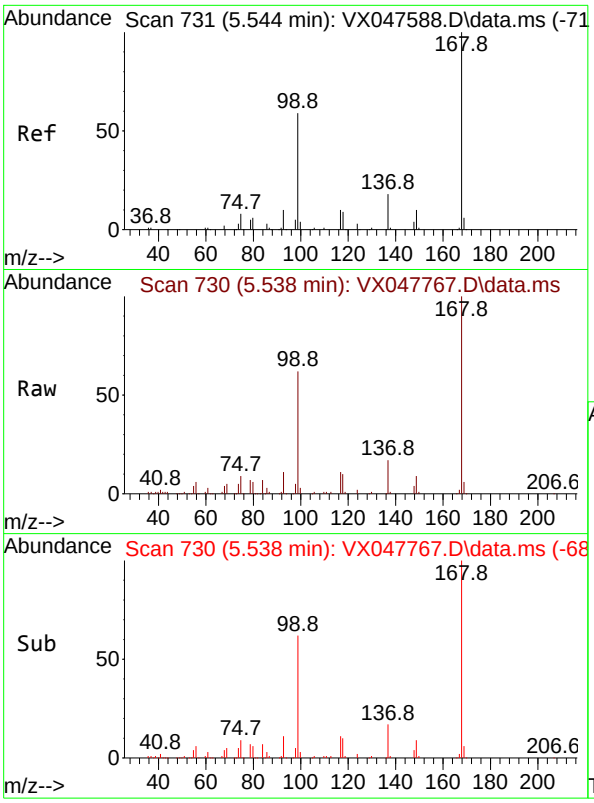
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
Data File : VX047767.D
Acq On : 24 Sep 2025 10:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Quant Time: Sep 25 01:23:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



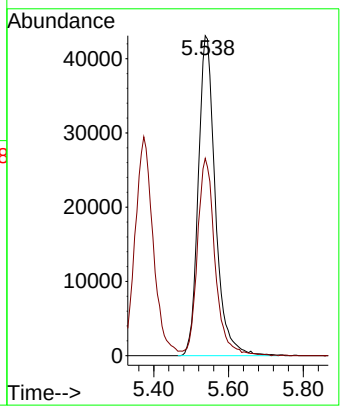


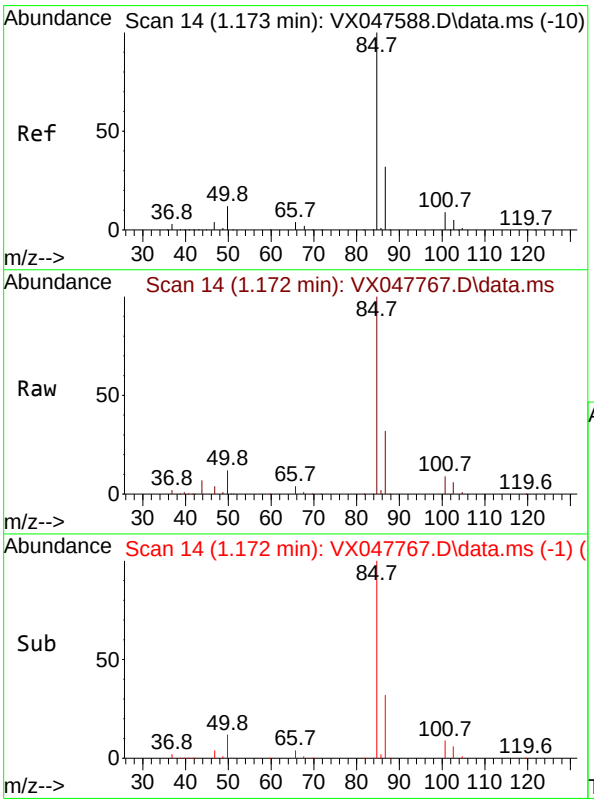

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:168 Resp: 136245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.8 | 73.2 |

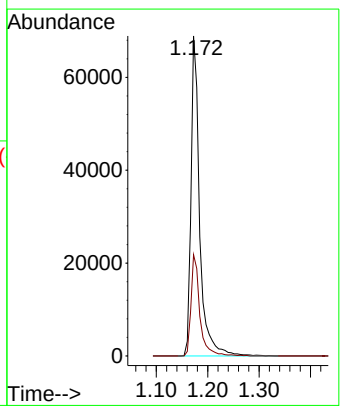


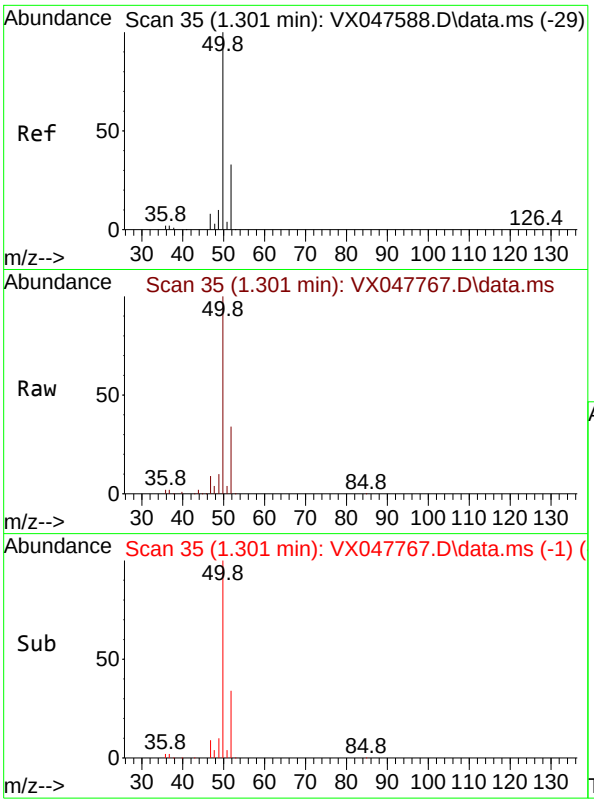




#2
Dichlorodifluoromethane
Concen: 57.267 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 85 Resp: 80794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 85 | 100 | | |
| 87 | 31.7 | 15.8 | 47.3 |



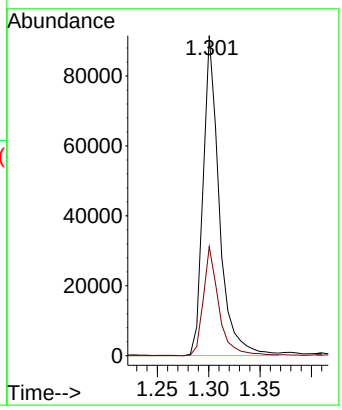


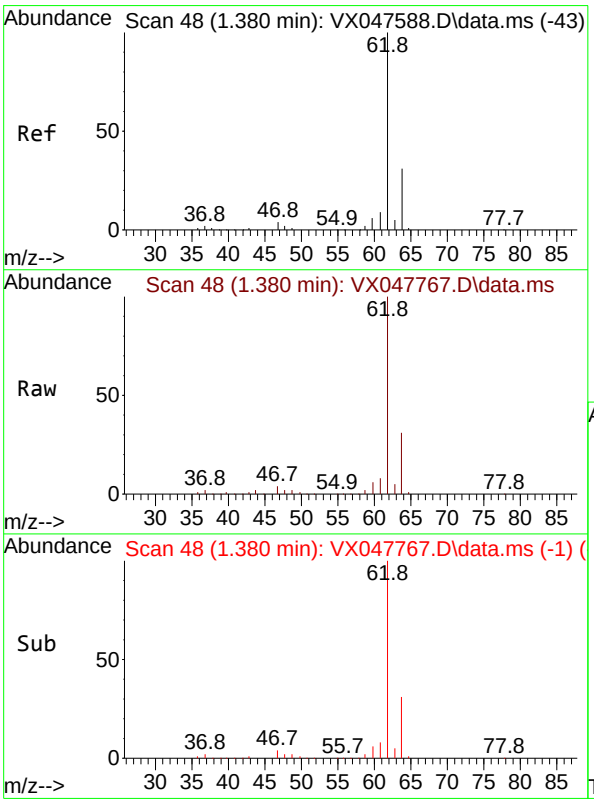

#3
Chloromethane
Concen: 53.970 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 50 Resp: 100073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 50 | 100 | | |
| 52 | 34.1 | 26.1 | 39.1 |

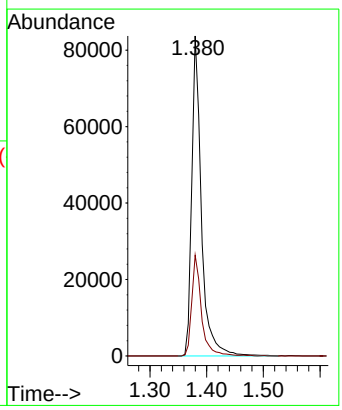


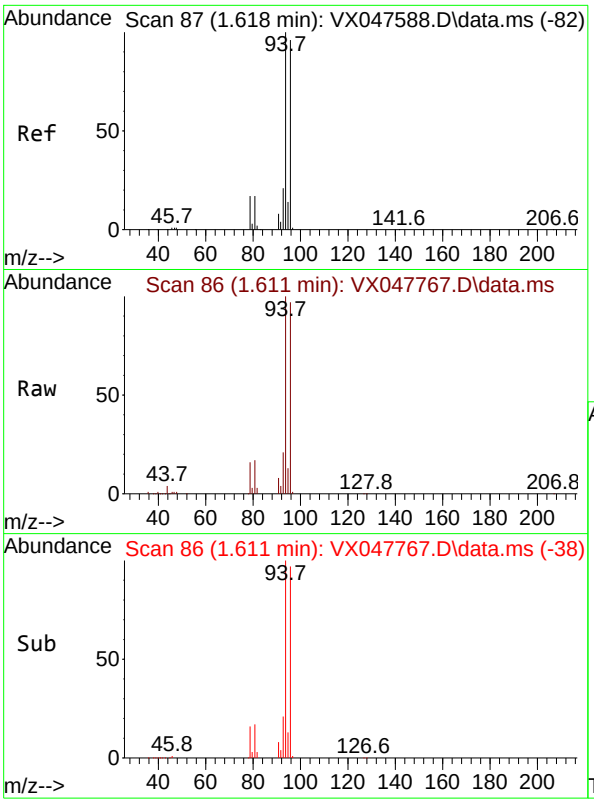




#4
Vinyl Chloride
Concen: 54.491 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 62 Resp: 98905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 31.5 | 24.9 | 37.3 |



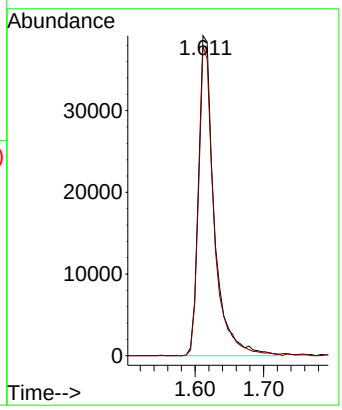


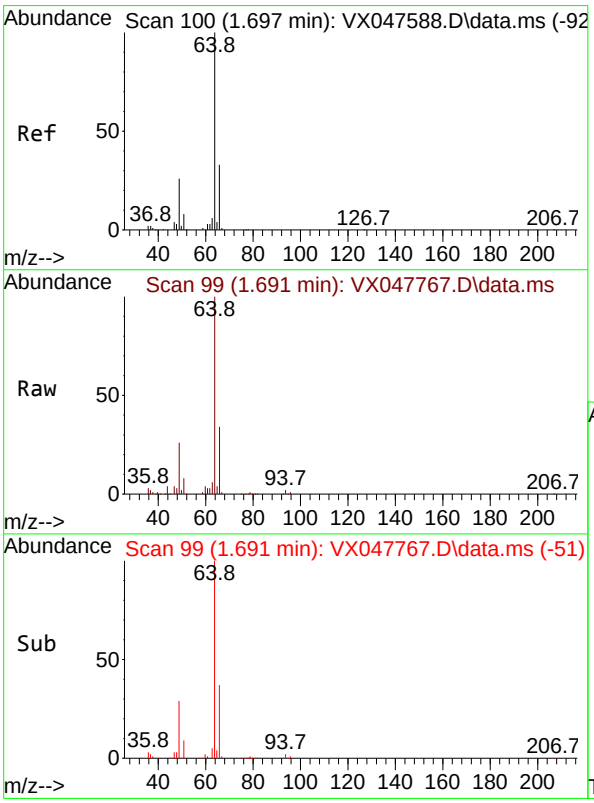

#5
Bromomethane
Concen: 54.792 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 94 Resp: 63064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 96 | 96.6 | 76.6 | 115.0 |

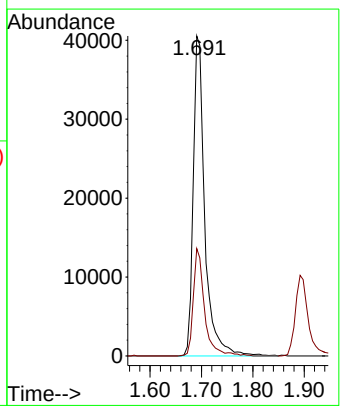


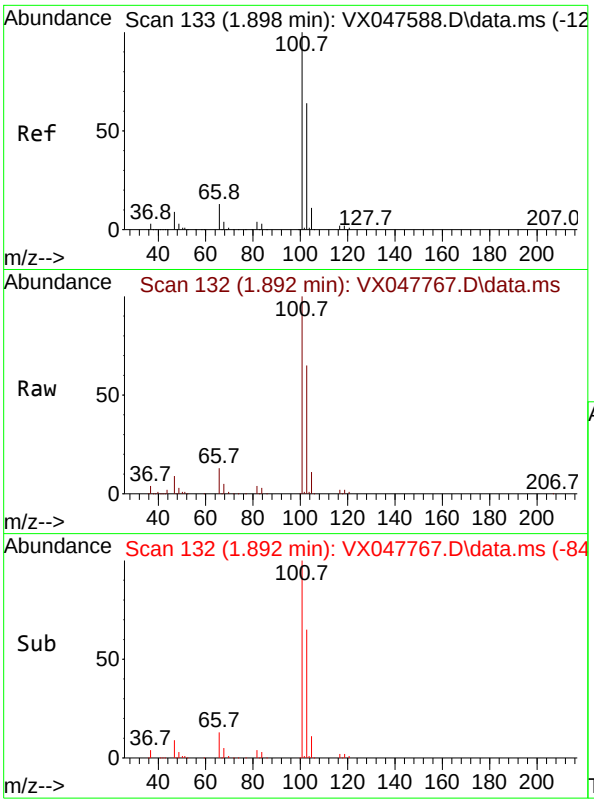




#6
Chloroethane
Concen: 52.368 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 64 Resp: 63530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 64 | 100 | | |
| 66 | 33.5 | 26.1 | 39.1 |



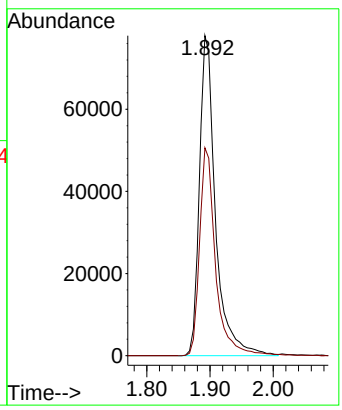


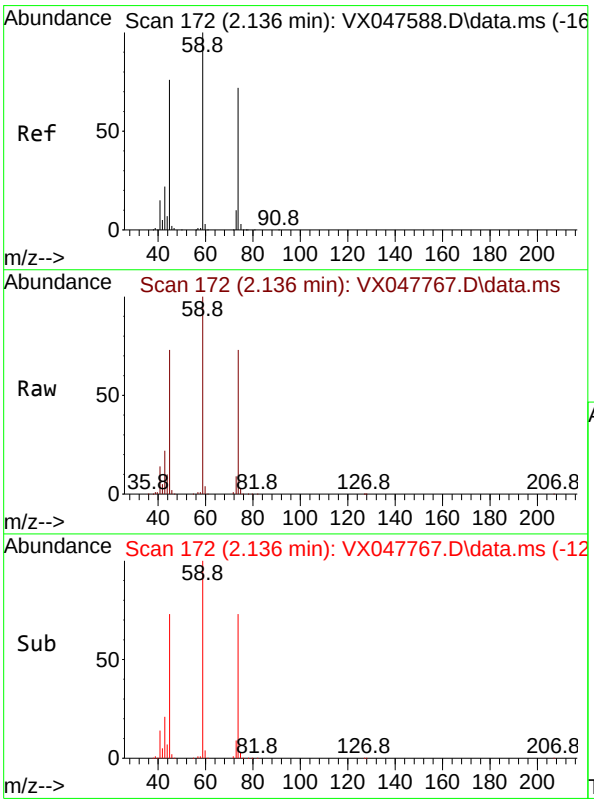

#7
Trichlorofluoromethane
Concen: 51.208 ug/l
RT: 1.892 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 138008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 103 | 65.0 | 51.4 | 77.2 |

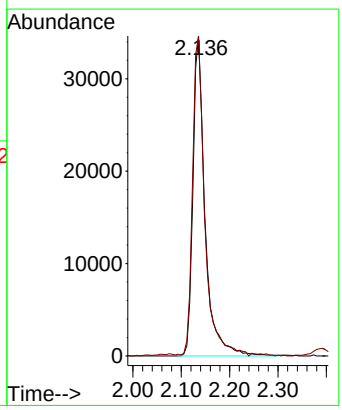


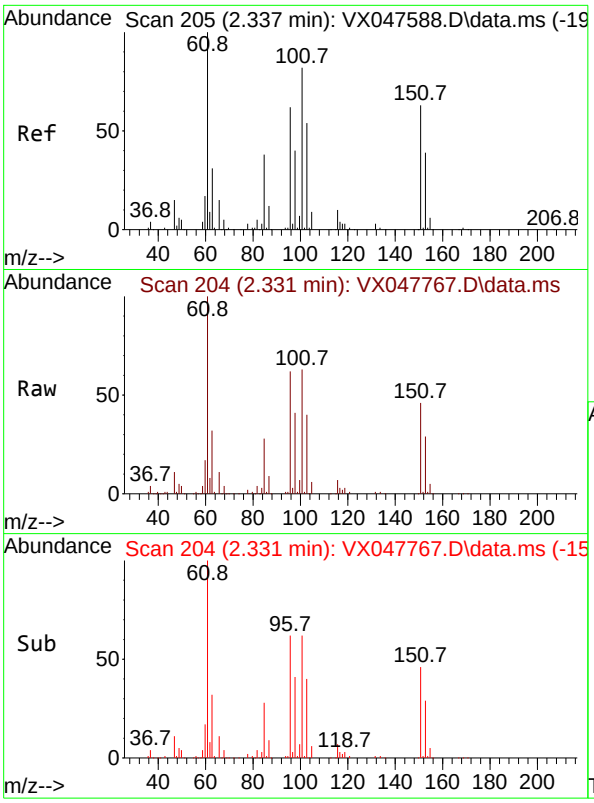




#8
Diethyl Ether
Concen: 54.277 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 74 Resp: 59838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 74 | 100 | | |
| 45 | 101.9 | 52.3 | 156.8 |



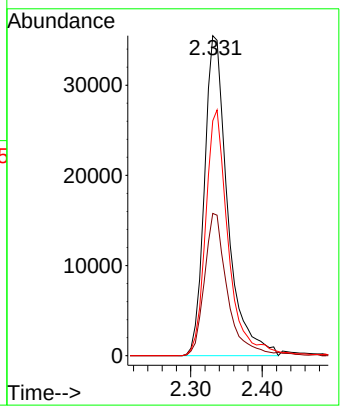


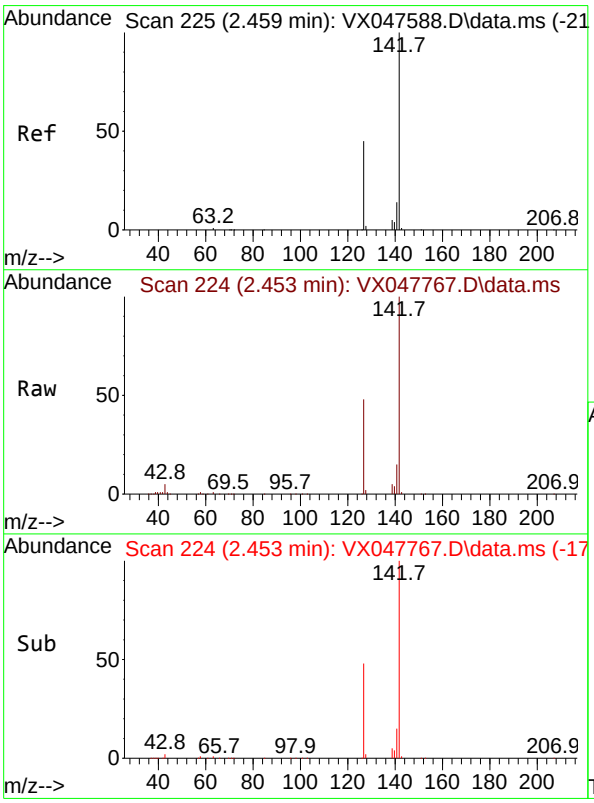

#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.667 ug/l
RT: 2.331 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:101 Resp: 79844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 101 | 100 | | |
| 85 | 44.4 | 35.5 | 53.3 |
| 151 | 75.7 | 59.4 | 89.0 |

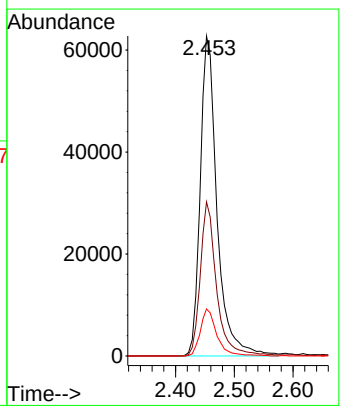


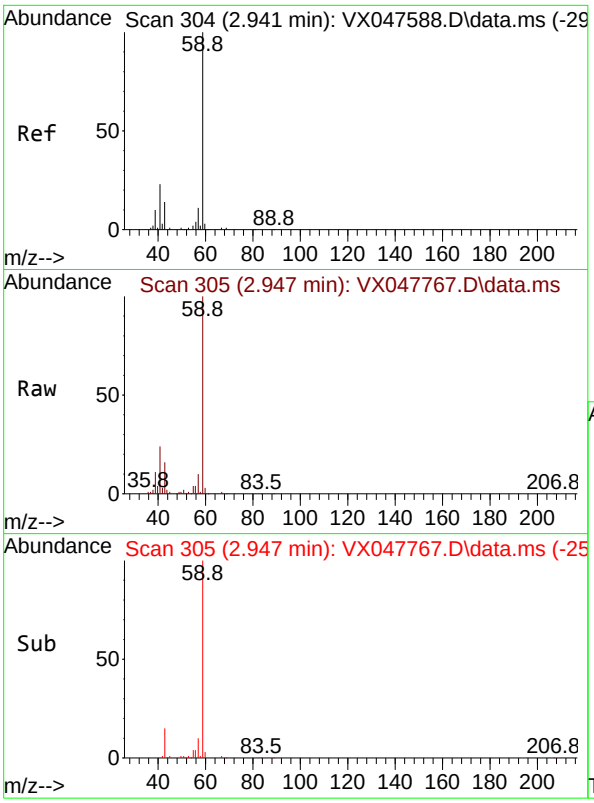




#10
Methyl Iodide
Concen: 50.757 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:142 Resp: 124745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 127 | 46.7 | 37.2 | 55.8 |
| 141 | 14.5 | 11.4 | 17.0 |



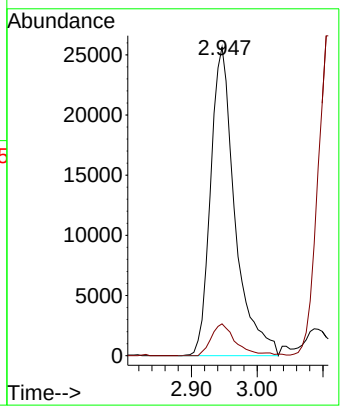


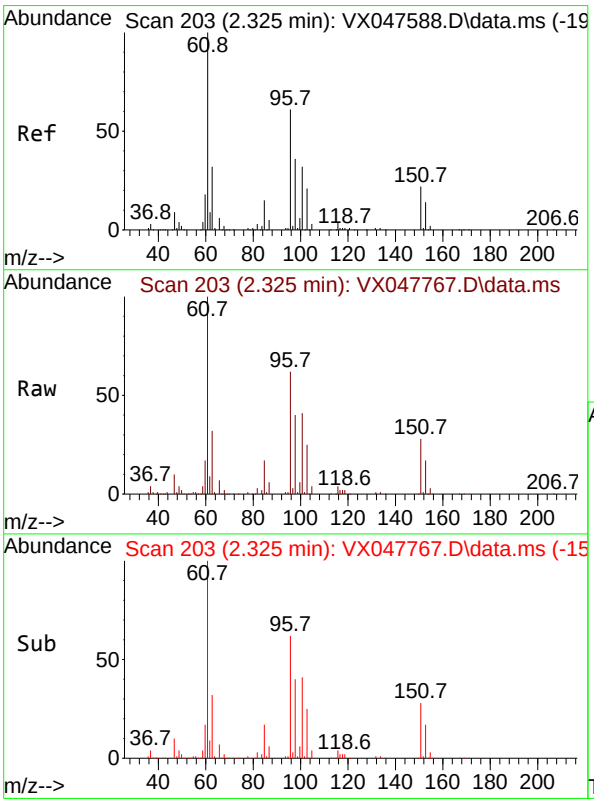

#11
Tert butyl alcohol
Concen: 273.139 ug/l
RT: 2.947 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 59 Resp: 65972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 10.6 | 8.3 | 12.5 |

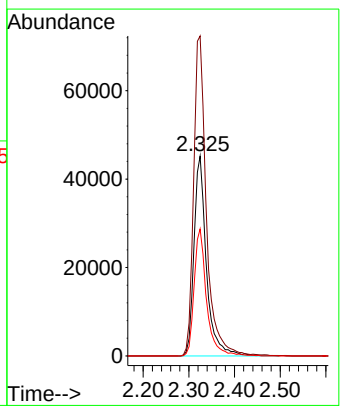


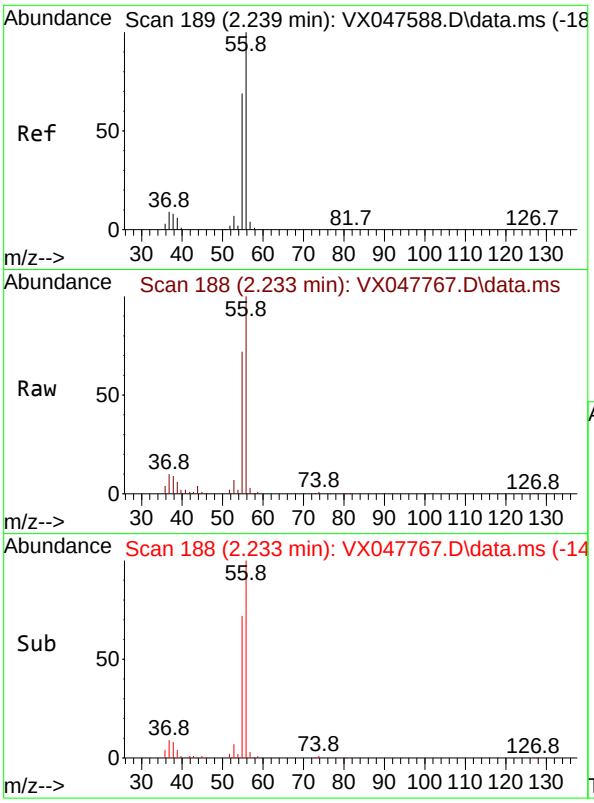




#12
1,1-Dichloroethene
Concen: 53.075 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 96 Resp: 85914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 160.1 | 131.0 | 196.6 |
| 98 | 63.6 | 47.7 | 71.5 |



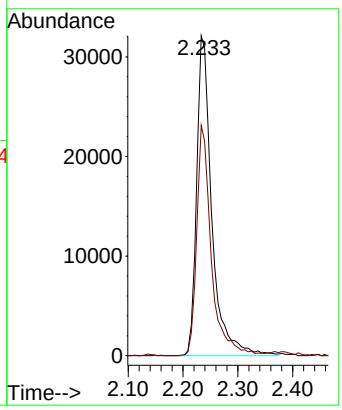


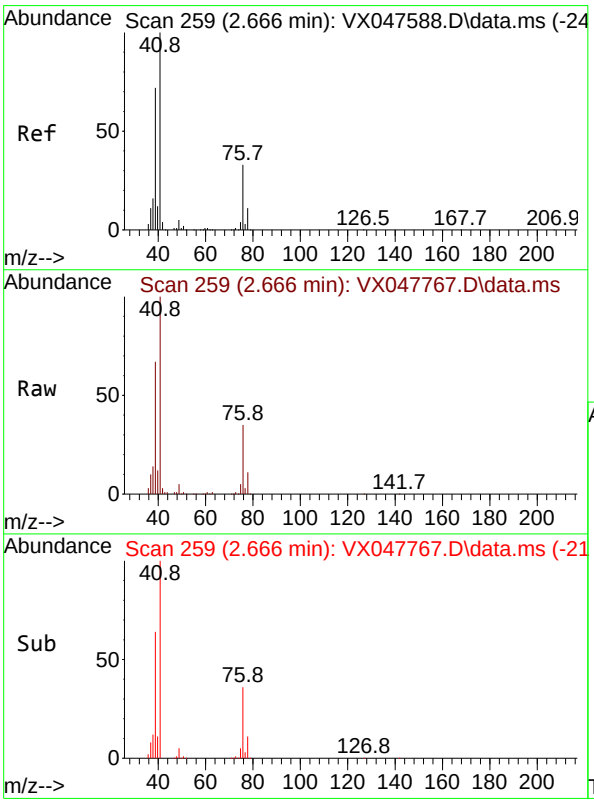

#13
Acrolein
Concen: 278.592 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 62008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 55 | 69.2 | 57.2 | 85.8 |

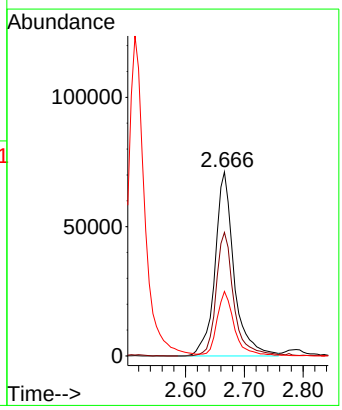


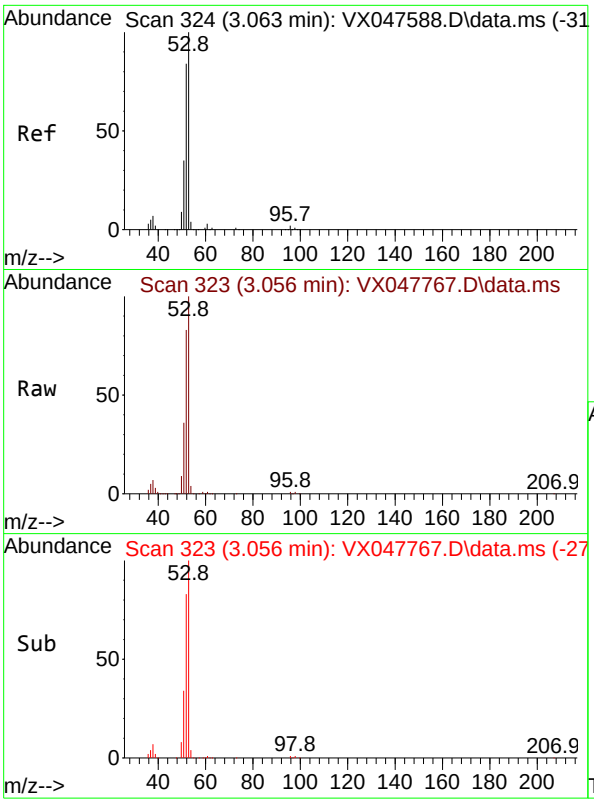




#14
Allyl chloride
Concen: 47.997 ug/l
RT: 2.666 min Scan# 259
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 41 Resp: 160323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 62.7 | 54.7 | 82.1 |
| 76 | 31.5 | 25.7 | 38.5 |



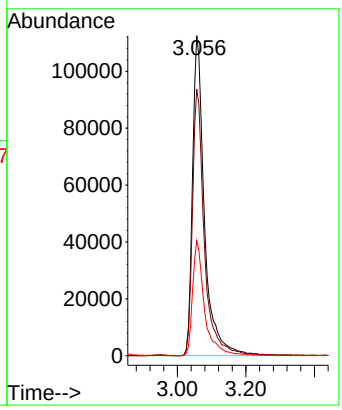


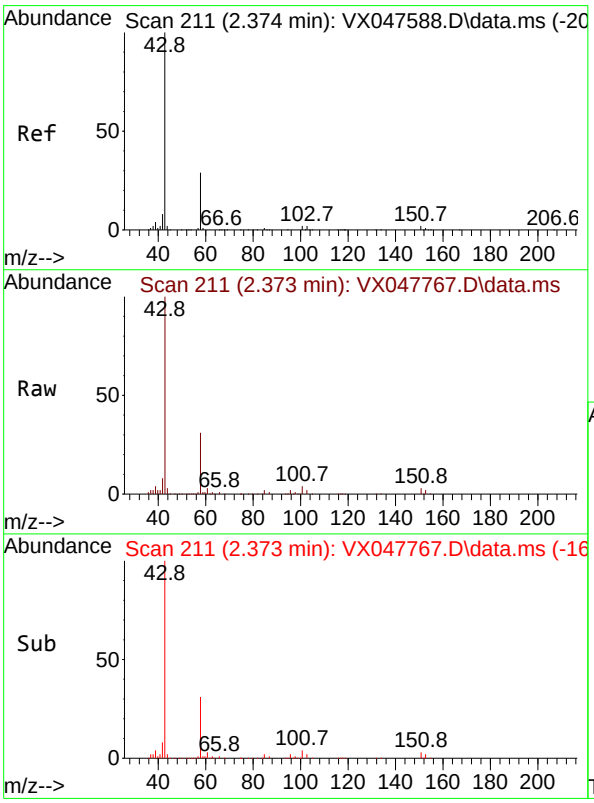

#15
Acrylonitrile
Concen: 306.873 ug/l
RT: 3.056 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 53 Resp: 274545

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 53 | 100 | | |
| 52 | 82.2 | 66.4 | 99.6 |
| 51 | 35.9 | 29.5 | 44.3 |

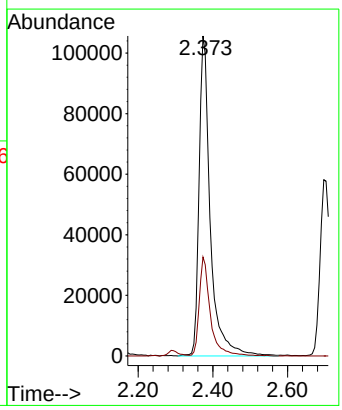


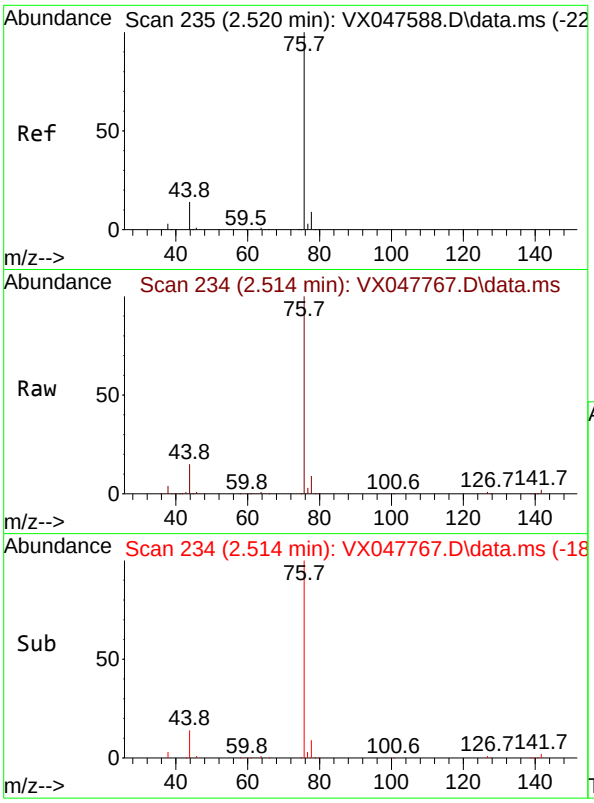




#16
Acetone
Concen: 233.292 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 219982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 30.9 | 23.4 | 35.0 |



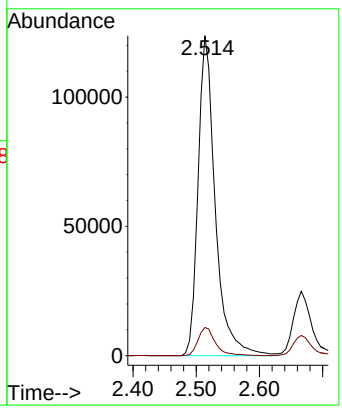


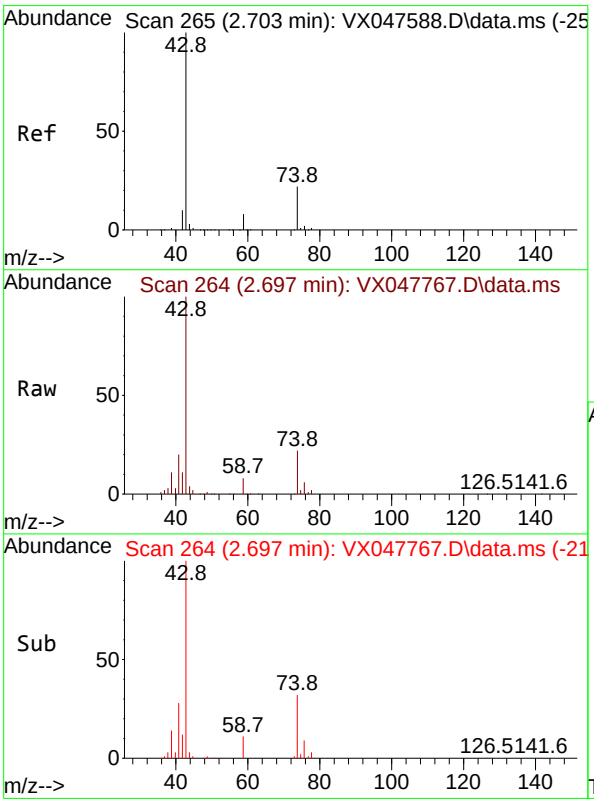

#17
Carbon Disulfide
Concen: 52.888 ug/l
RT: 2.514 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 234371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 8.8 | 6.8 | 10.2 |

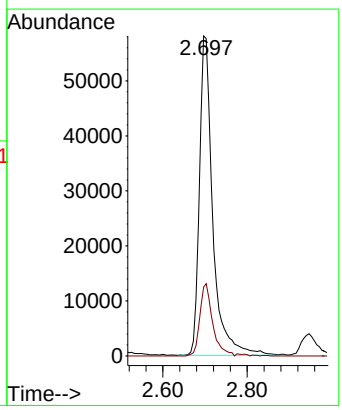


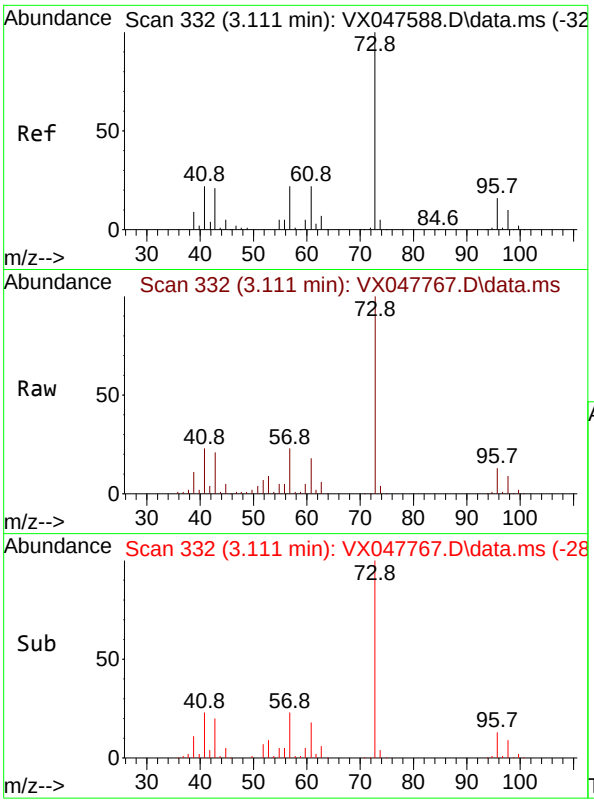




#18
Methyl Acetate
Concen: 61.011 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 128034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 21.6 | 17.4 | 26.2 |



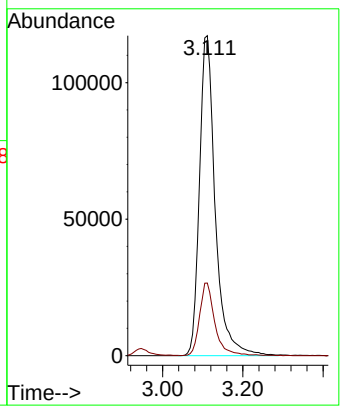


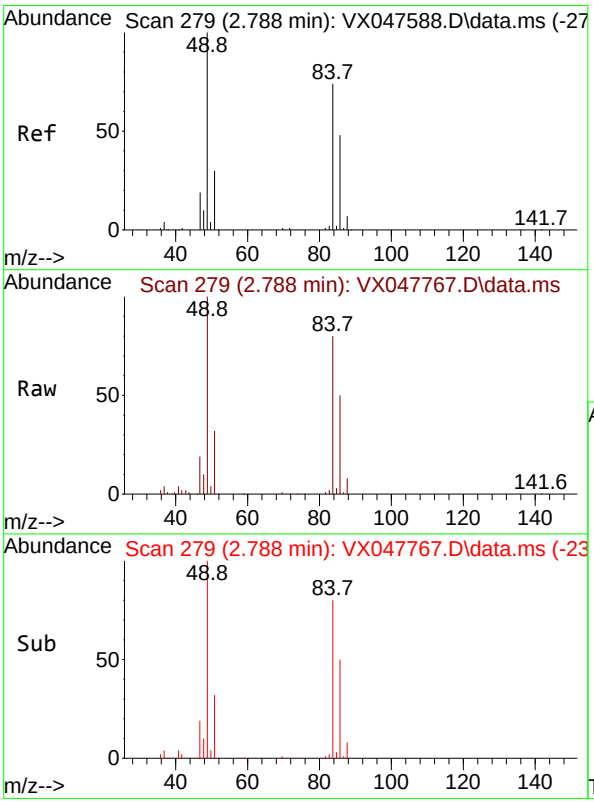

#19
Methyl tert-butyl Ether
Concen: 54.228 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 73 Resp: 320438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 73 | 100 | | |
| 57 | 22.6 | 17.4 | 26.2 |

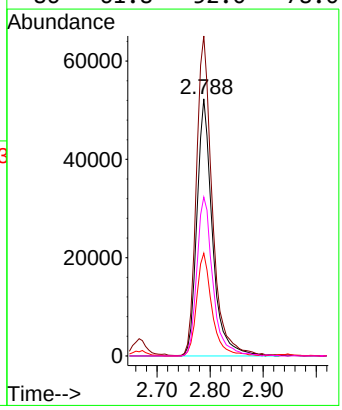


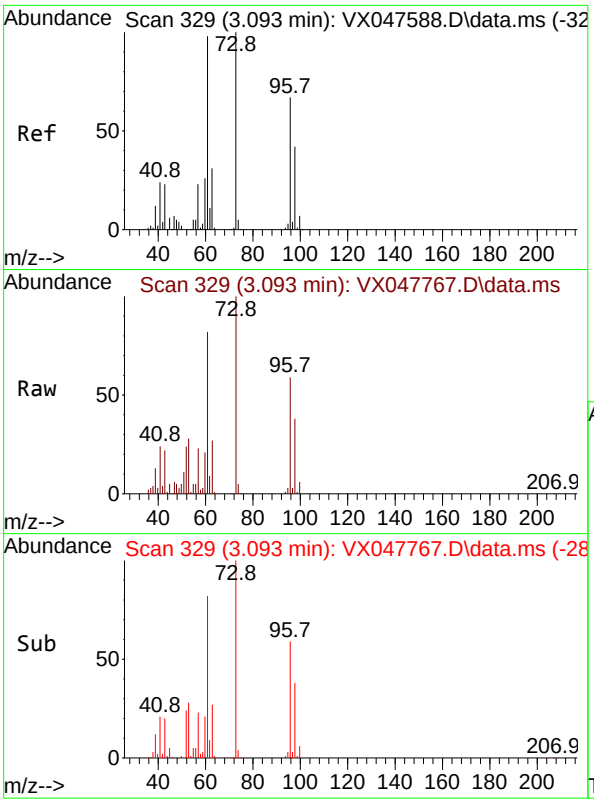




#20
Methylene Chloride
Concen: 53.176 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 84 Resp: 106137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 124.3 | 108.6 | 162.8 |
| 51 | 39.9 | 32.6 | 48.8 |
| 86 | 61.8 | 52.0 | 78.0 |



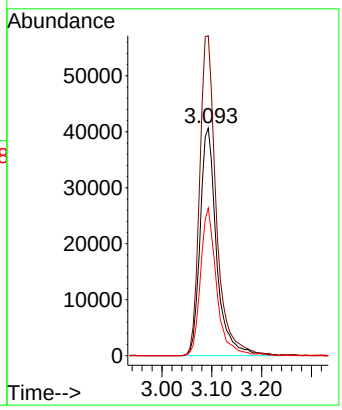


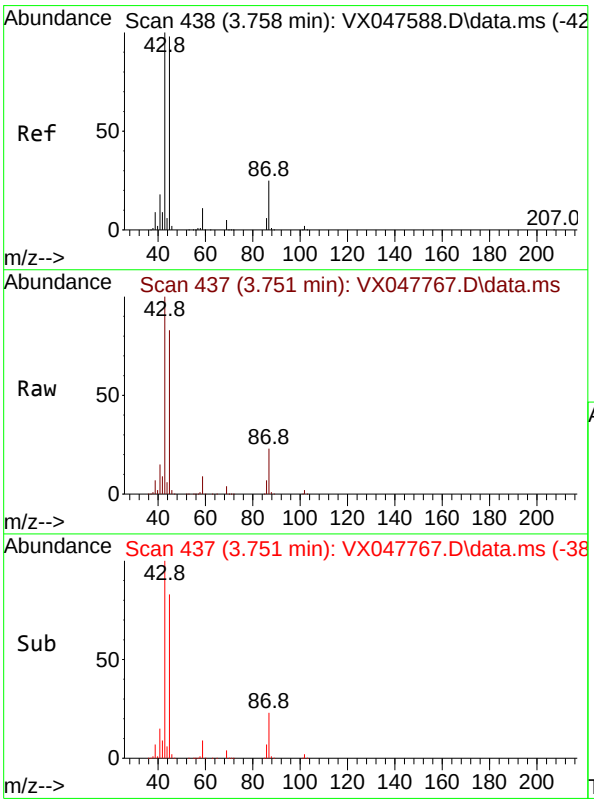

#21
trans-1,2-Dichloroethene
Concen: 53.545 ug/l
RT: 3.093 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 93317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 140.5 | 116.2 | 174.2 |
| 98 | 64.9 | 49.3 | 73.9 |

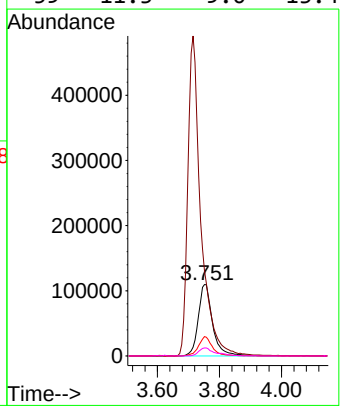


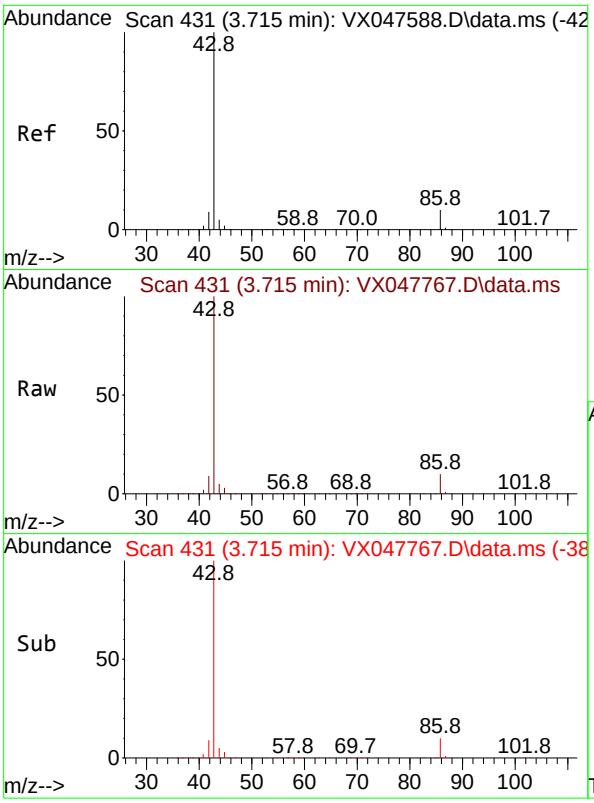




#22
Diisopropyl ether
Concen: 54.161 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 45 Resp: 350616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 45 | 100 | | |
| 43 | 119.1 | 81.0 | 121.4 |
| 87 | 27.2 | 20.3 | 30.5 |
| 59 | 11.3 | 9.0 | 13.4 |



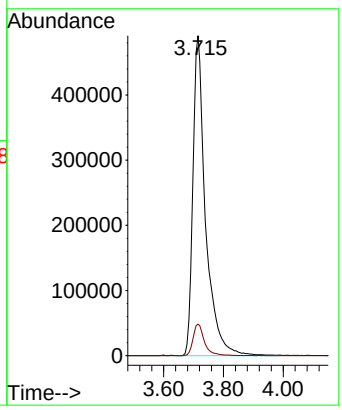


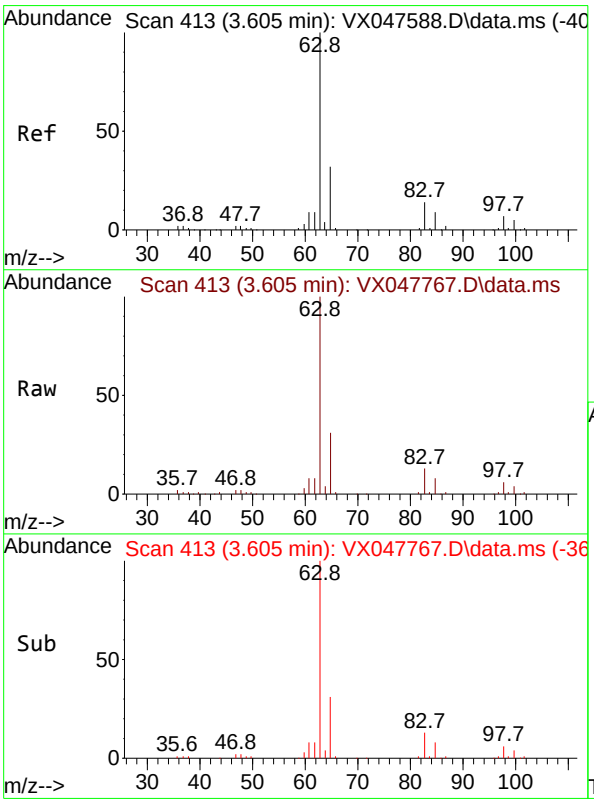

#23
Vinyl Acetate
Concen: 278.405 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 1442450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 86 | 9.9 | 7.8 | 11.8 |

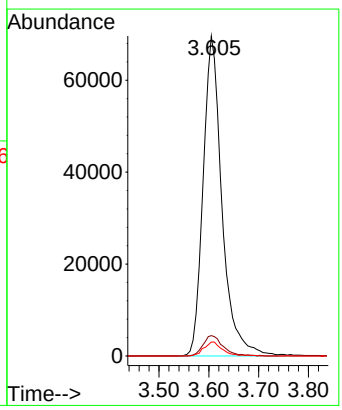


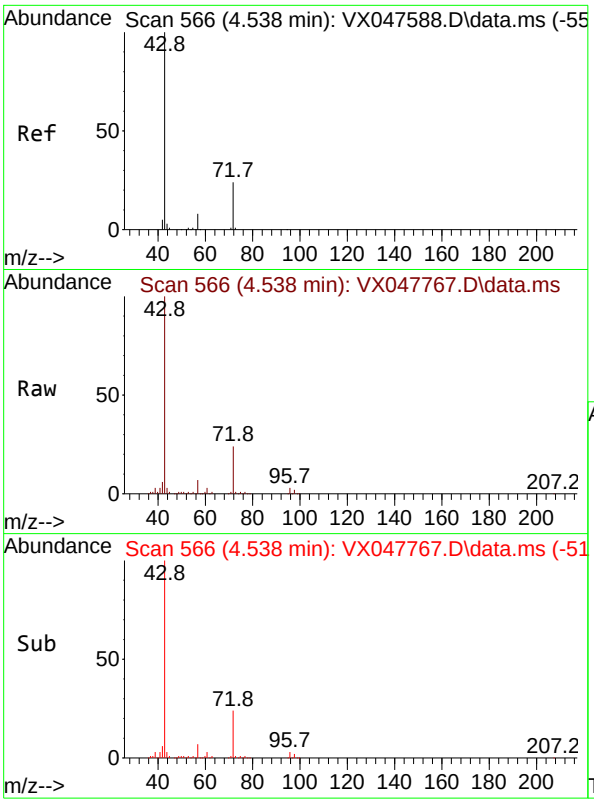




#24
1,1-Dichloroethane
Concen: 53.106 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 63 Resp: 182725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 98 | 7.1 | 3.8 | 11.2 |
| 100 | 4.3 | 2.3 | 6.9 |



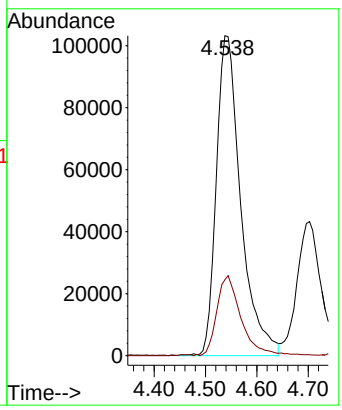


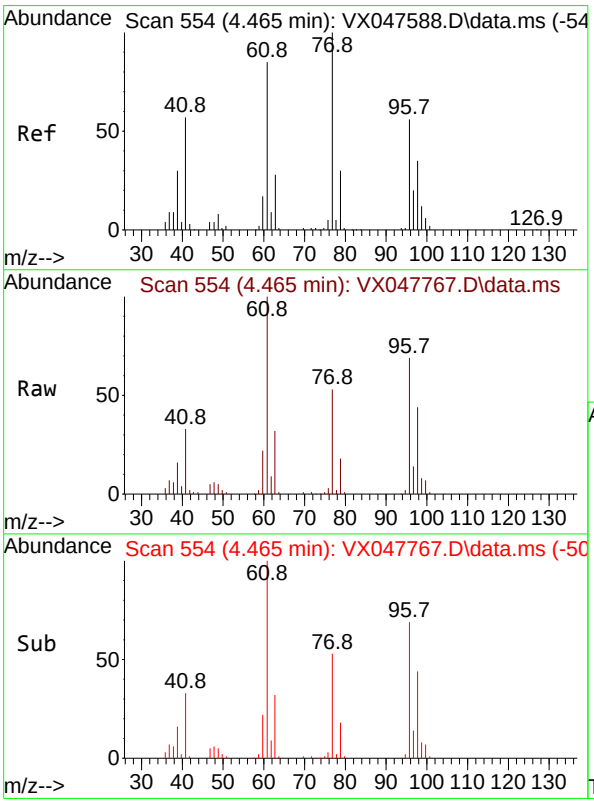

#25
2-Butanone
Concen: 289.378 ug/l
RT: 4.538 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 340369

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 23.6 | 20.1 | 30.1 |

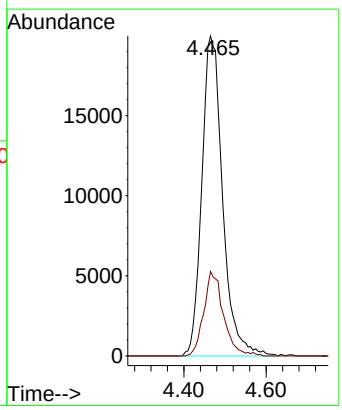


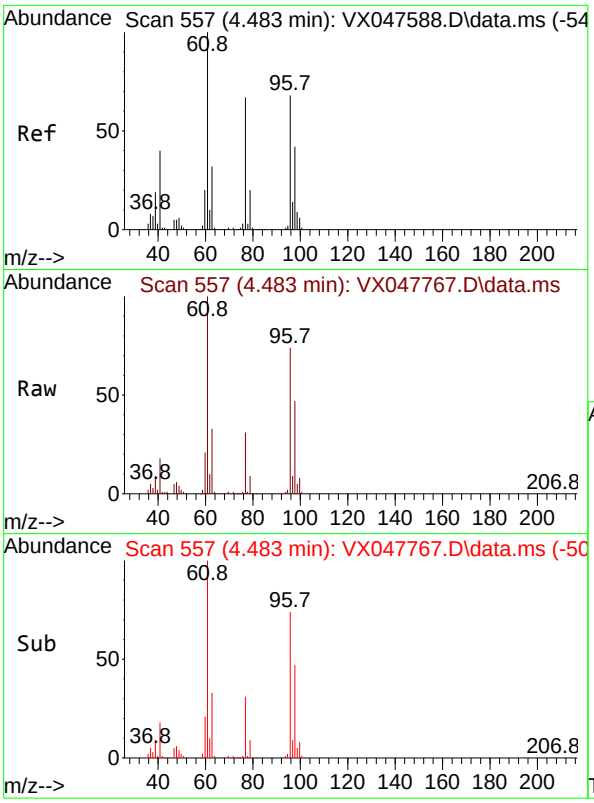




#26
2,2-Dichloropropane
Concen: 24.508 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 77 Resp: 70096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 97 | 25.0 | 10.9 | 32.7 |



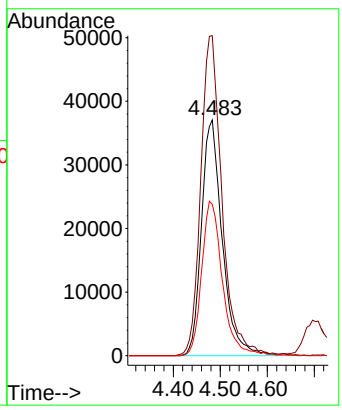


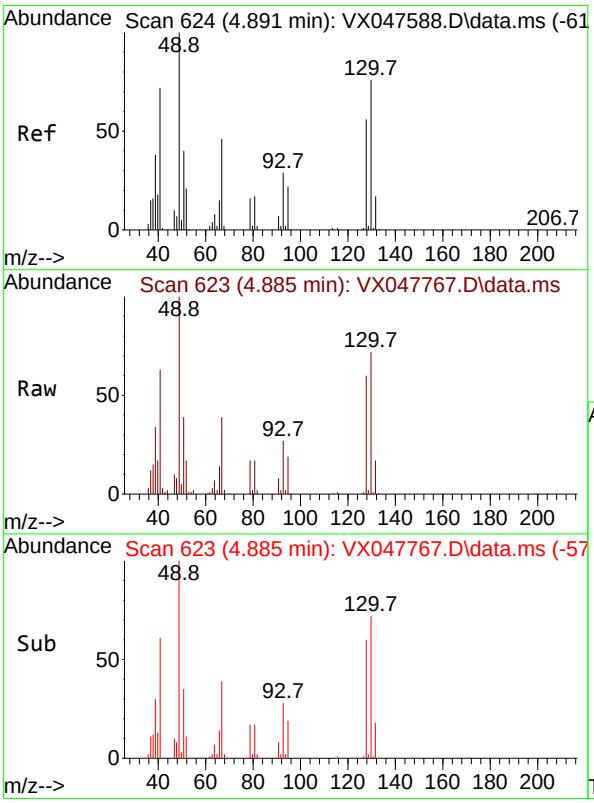

#27
cis-1,2-Dichloroethene
Concen: 53.299 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 96 Resp: 113757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 138.7 | 0.0 | 303.2 |
| 98 | 65.5 | 0.0 | 127.8 |

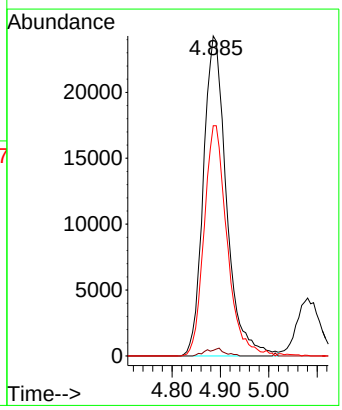


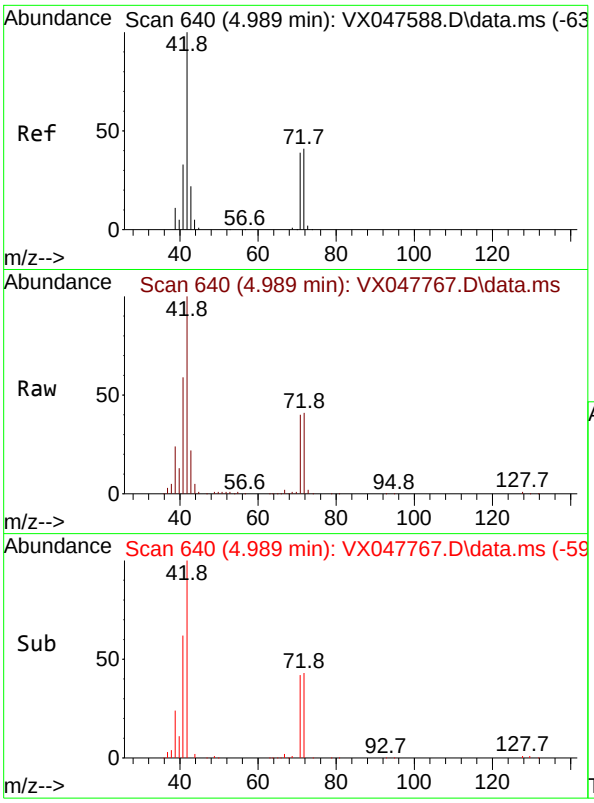




#28
Bromochloromethane
Concen: 53.622 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 49 Resp: 80547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 49 | 100 | | |
| 129 | 1.9 | 0.0 | 3.2 |
| 130 | 71.6 | 57.8 | 86.8 |



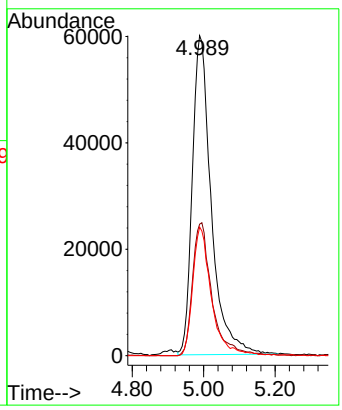


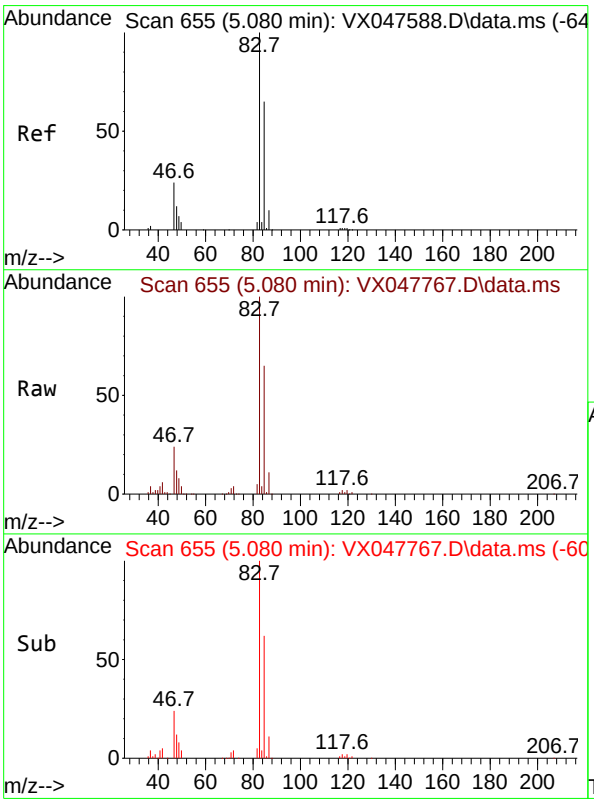

#29
Tetrahydrofuran
Concen: 311.862 ug/l
RT: 4.989 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 42 Resp: 220667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 42.6 | 34.2 | 51.2 |
| 71 | 39.6 | 31.9 | 47.9 |

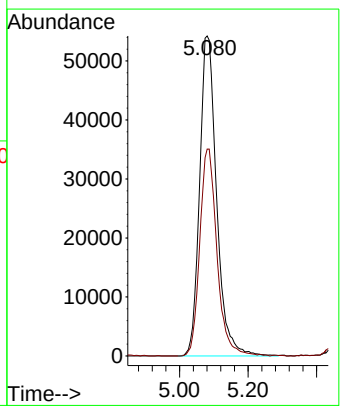


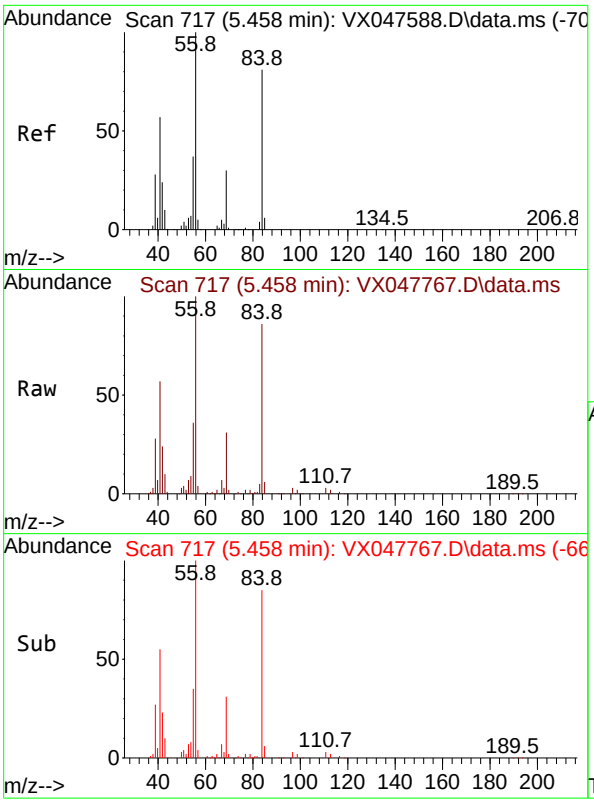




#30
Chloroform
Concen: 53.913 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 83 Resp: 187454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 64.7 | 51.8 | 77.6 |



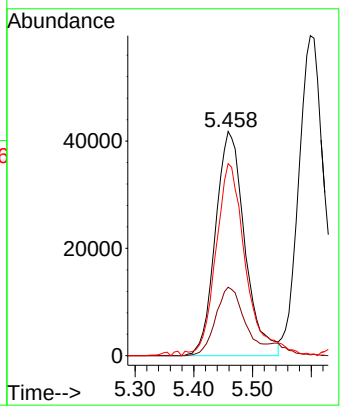


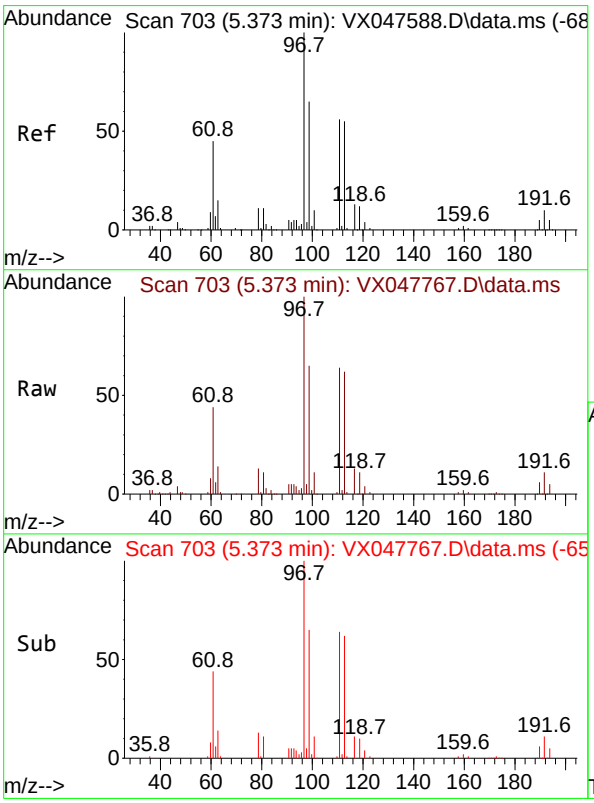

#31
Cyclohexane
Concen: 50.693 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 56 Resp: 145273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 56 | 100 | | |
| 69 | 30.6 | 23.8 | 35.8 |
| 84 | 83.7 | 64.6 | 97.0 |

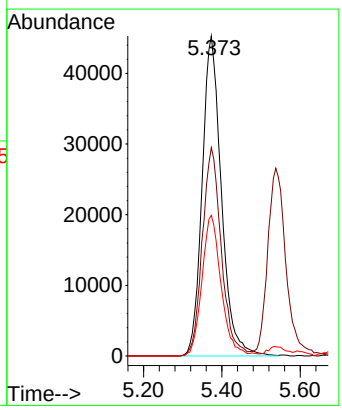


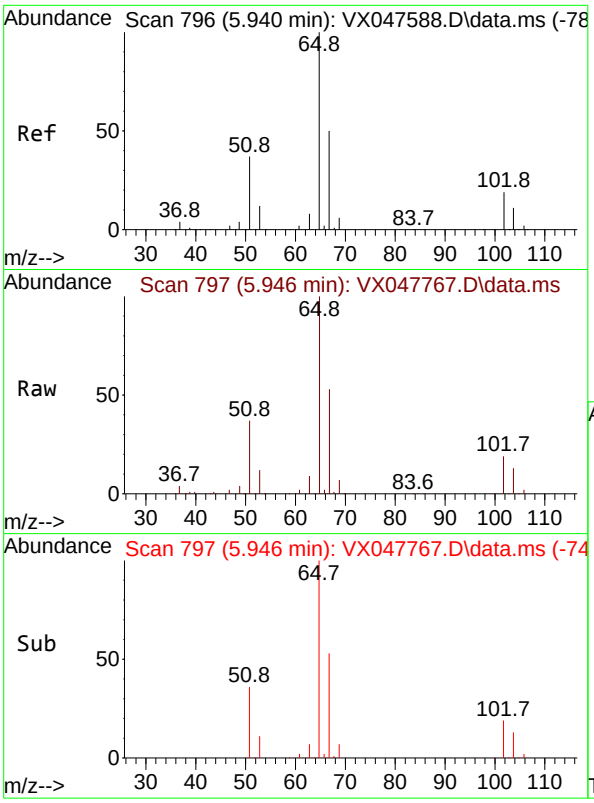




#32
1,1,1-Trichloroethane
Concen: 52.395 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 97 Resp: 154526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 99 | 64.3 | 50.6 | 76.0 |
| 61 | 43.6 | 35.8 | 53.8 |



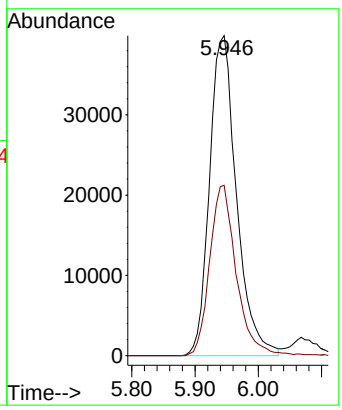


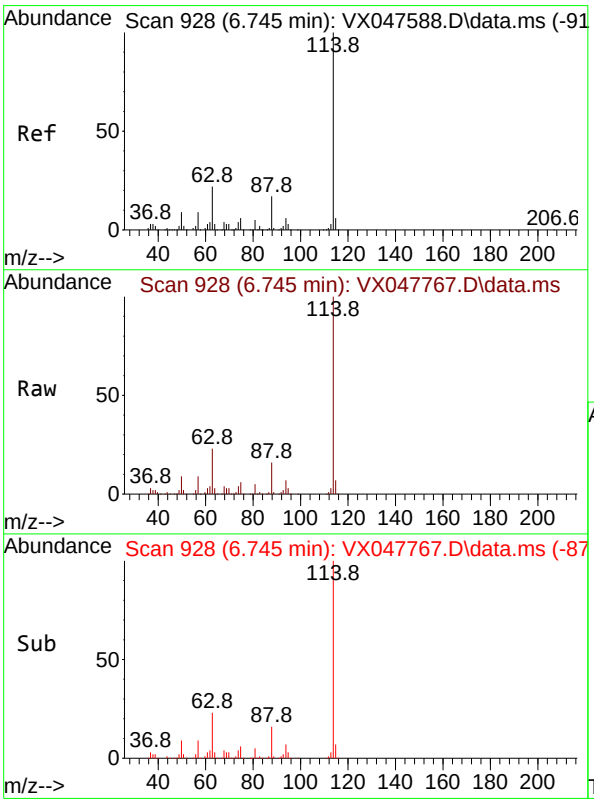

#33
1,2-Dichloroethane-d4
Concen: 54.388 ug/l
RT: 5.946 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 65 Resp: 117949

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 103.0 |

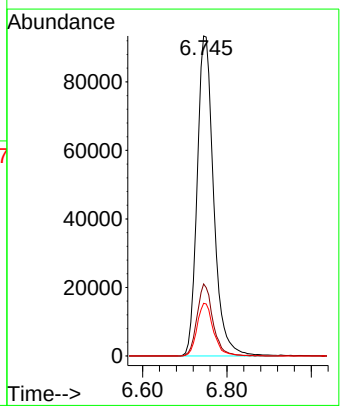


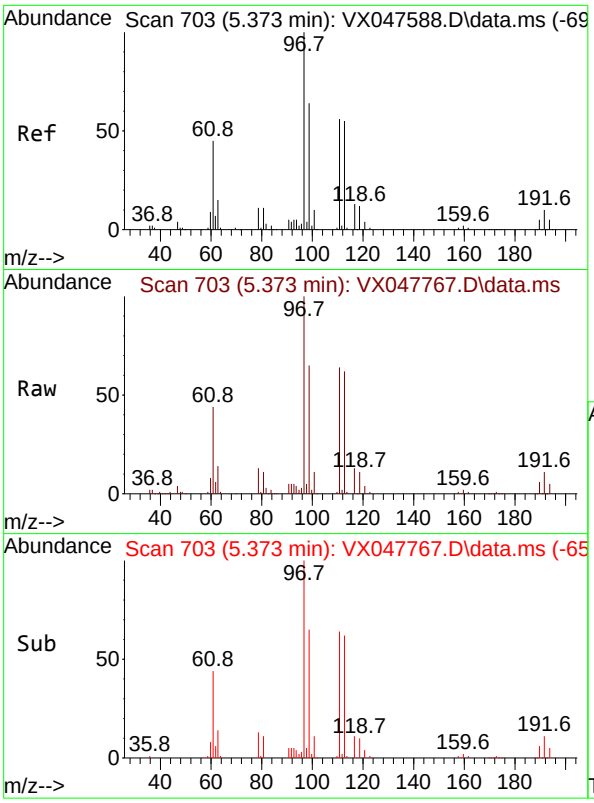




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 928
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:114 Resp: 254252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 22.5 | 0.0 | 44.0 |
| 88 | 16.5 | 0.0 | 34.2 |



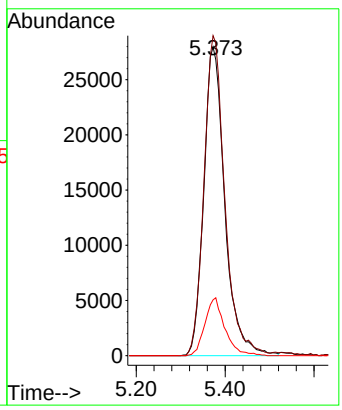


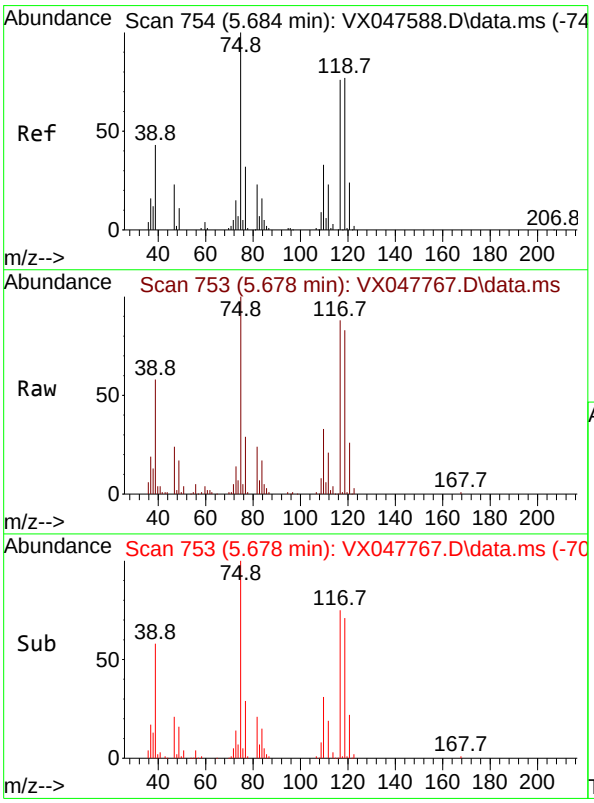

#35
Dibromofluoromethane
Concen: 53.983 ug/l
RT: 5.373 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:113 Resp: 92049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 80.9 | 121.3 |
| 192 | 17.8 | 14.2 | 21.4 |

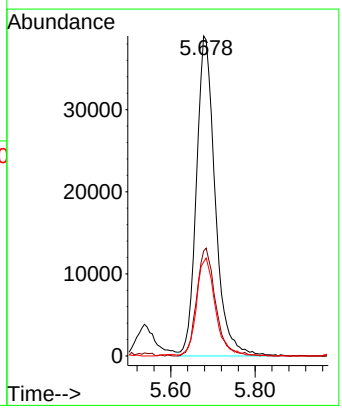


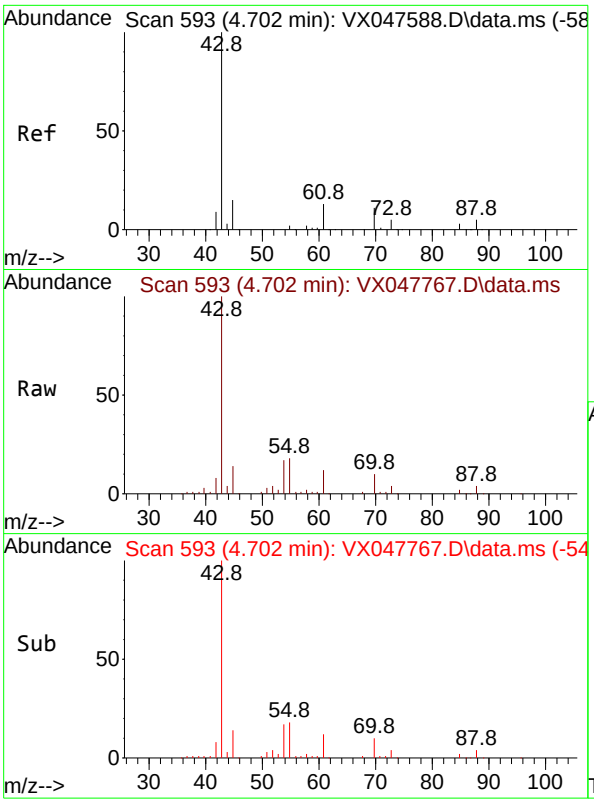




#36
1,1-Dichloropropene
Concen: 48.437 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 120688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 33.8 | 16.7 | 50.1 |
| 77 | 30.0 | 24.3 | 36.5 |



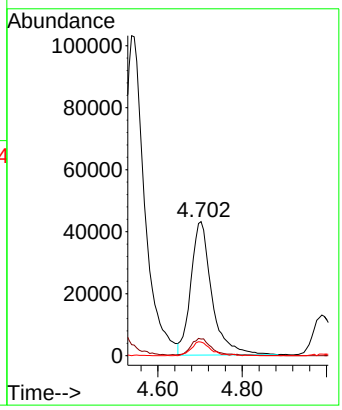


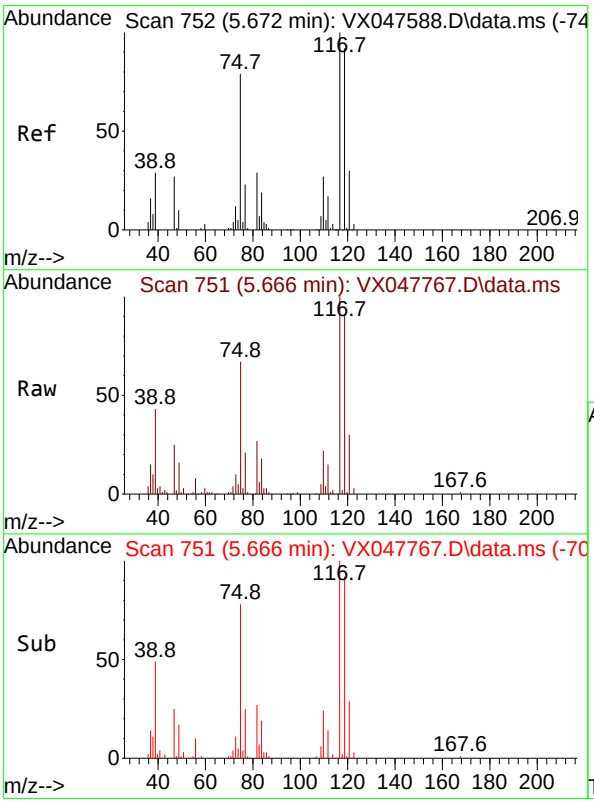

#37
Ethyl Acetate
Concen: 55.869 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 149048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 11.6 | 9.8 | 14.8 |
| 70 | 9.4 | 7.9 | 11.9 |

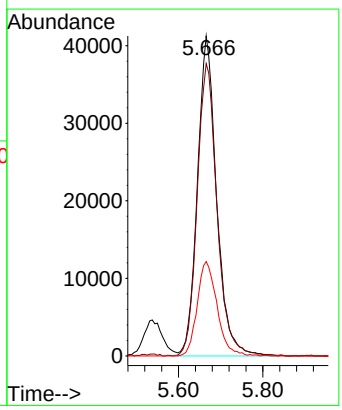


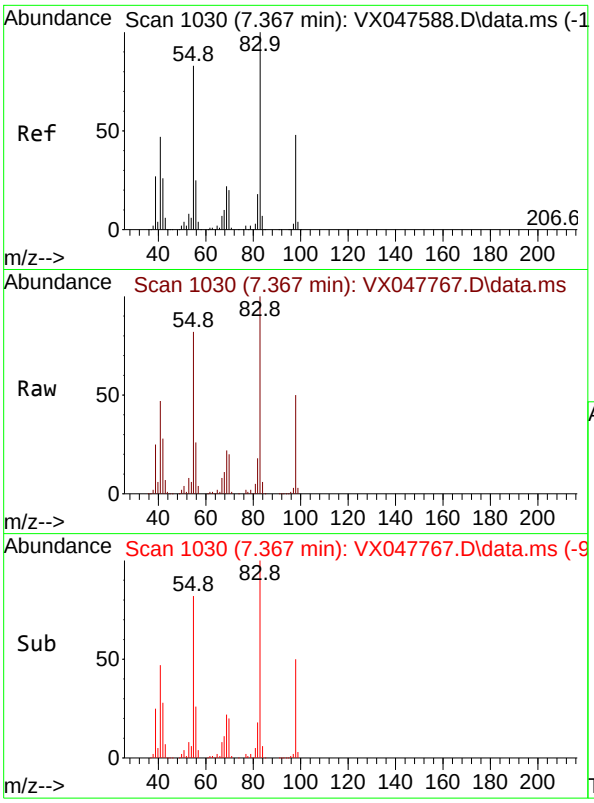




#38
Carbon Tetrachloride
Concen: 48.322 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:117 Resp: 130818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 91.2 | 73.4 | 110.2 |
| 121 | 29.5 | 23.8 | 35.6 |



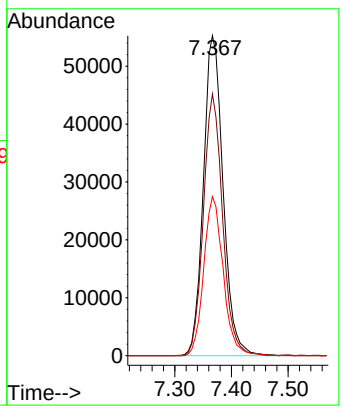


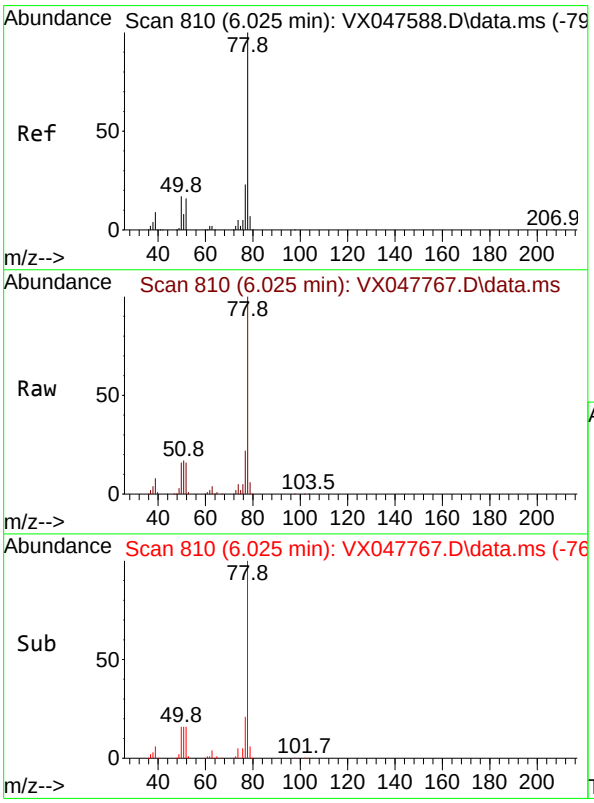

#39
Methylcyclohexane
Concen: 47.171 ug/l
RT: 7.367 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 133414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 55 | 81.7 | 66.4 | 99.6 |
| 98 | 49.7 | 38.1 | 57.1 |

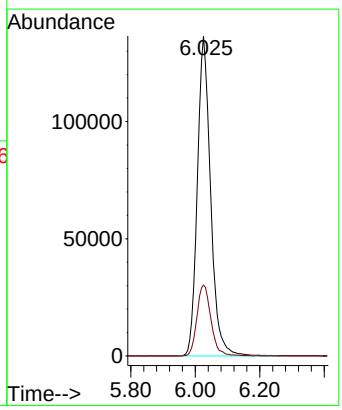


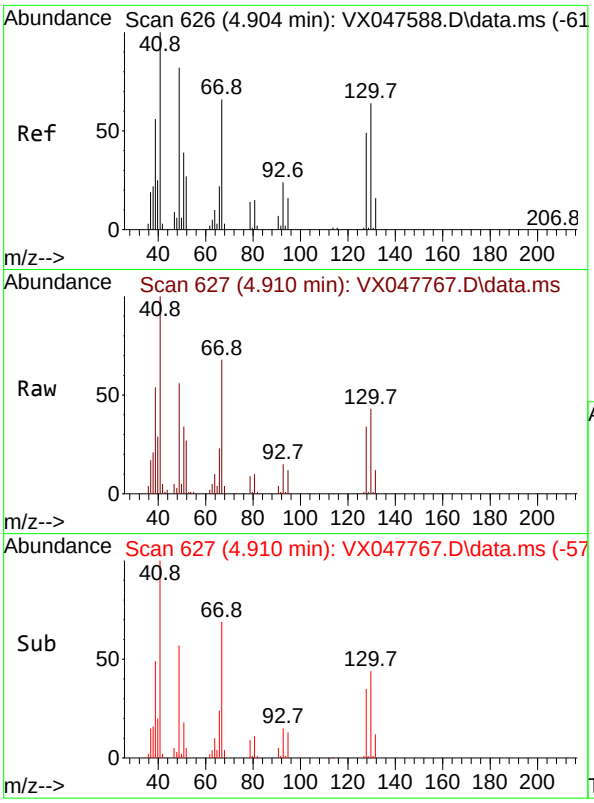




#40
Benzene
Concen: 51.523 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 78 Resp: 389912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 22.2 | 18.8 | 28.2 |



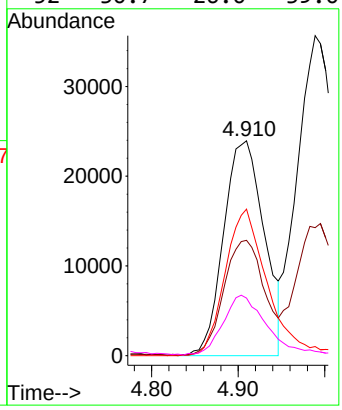


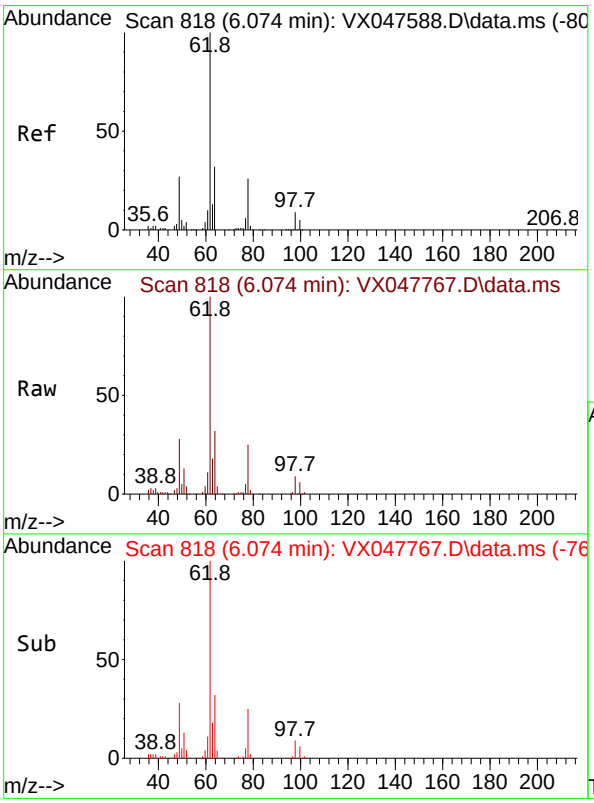

#41
Methacrylonitrile
Concen: 56.618 ug/l
RT: 4.910 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 41 Resp: 77979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 39 | 53.2 | 43.3 | 64.9 |
| 67 | 73.2 | 58.6 | 87.8 |
| 52 | 30.7 | 26.0 | 39.0 |

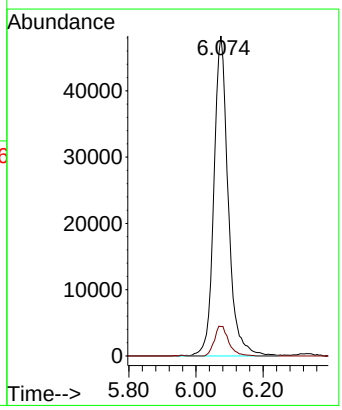


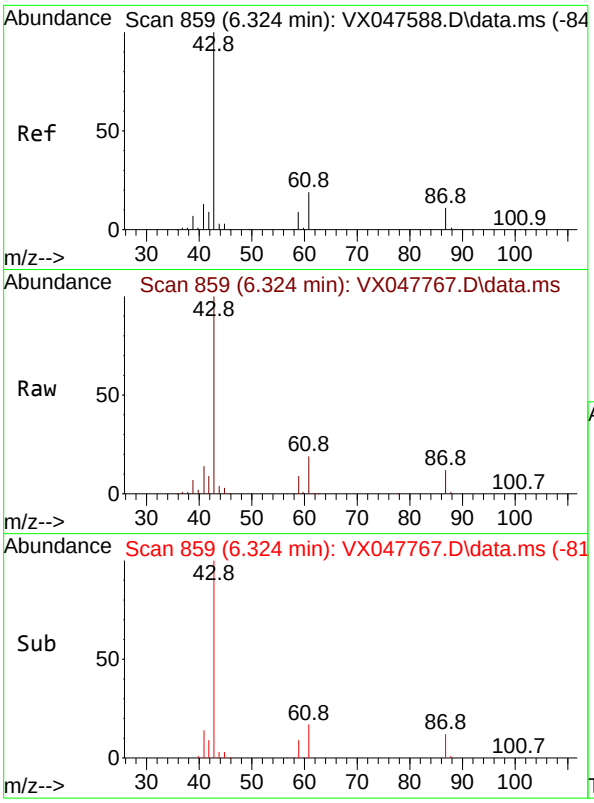




#42
1,2-Dichloroethane
Concen: 49.663 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 62 Resp: 143000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 98 | 9.3 | 0.0 | 17.0 |



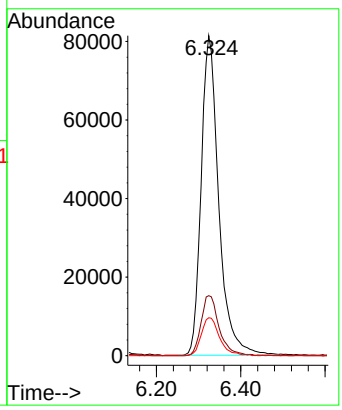


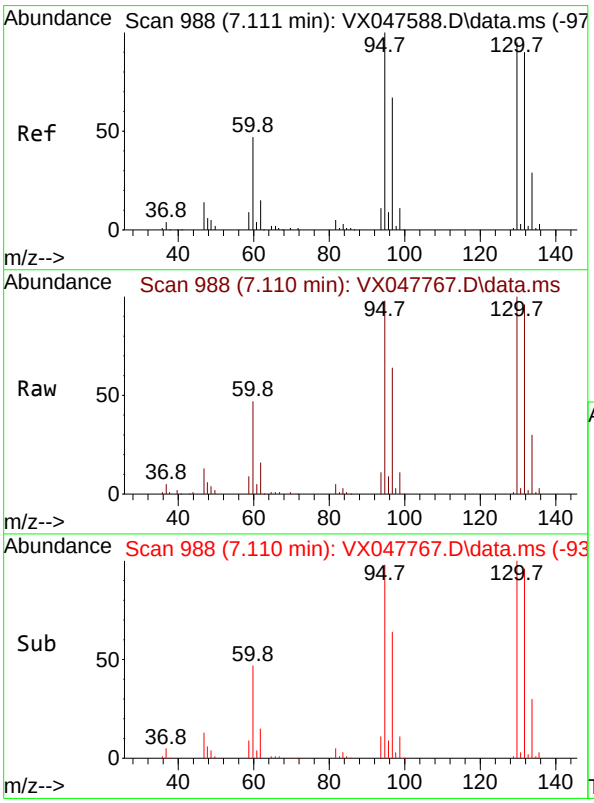

#43
Isopropyl Acetate
Concen: 53.933 ug/l
RT: 6.324 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 235980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 19.3 | 15.2 | 22.8 |
| 87 | 12.4 | 9.6 | 14.4 |

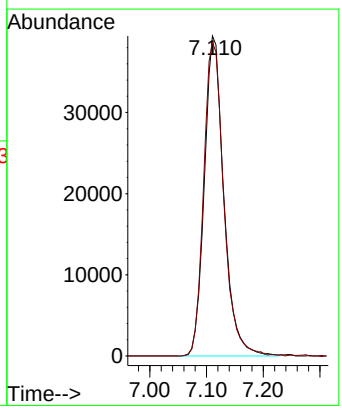


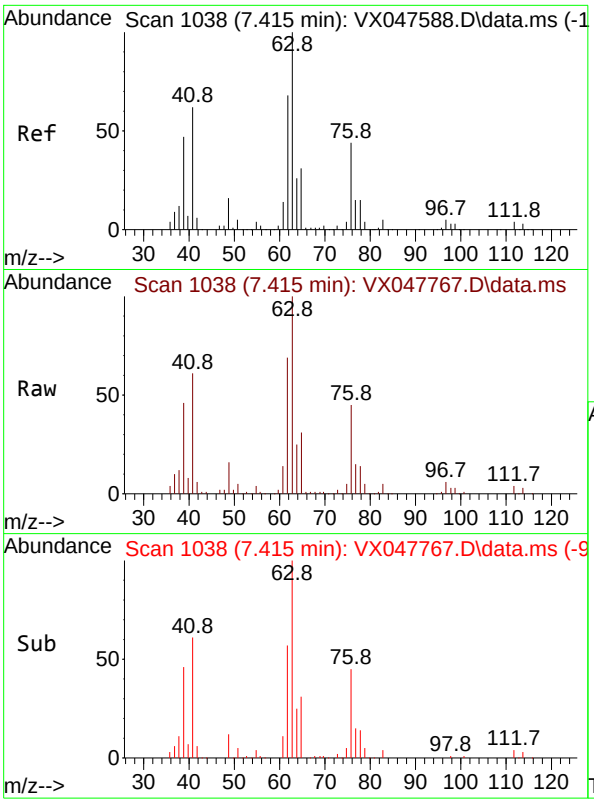




#44
Trichloroethene
Concen: 51.488 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:130 Resp: 94203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 98.0 | 0.0 | 210.8 |



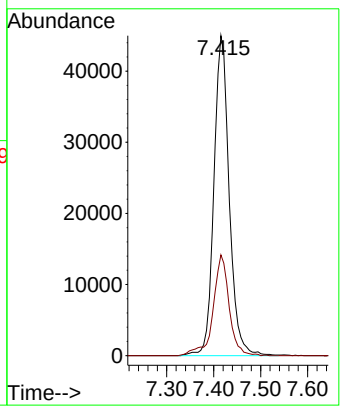


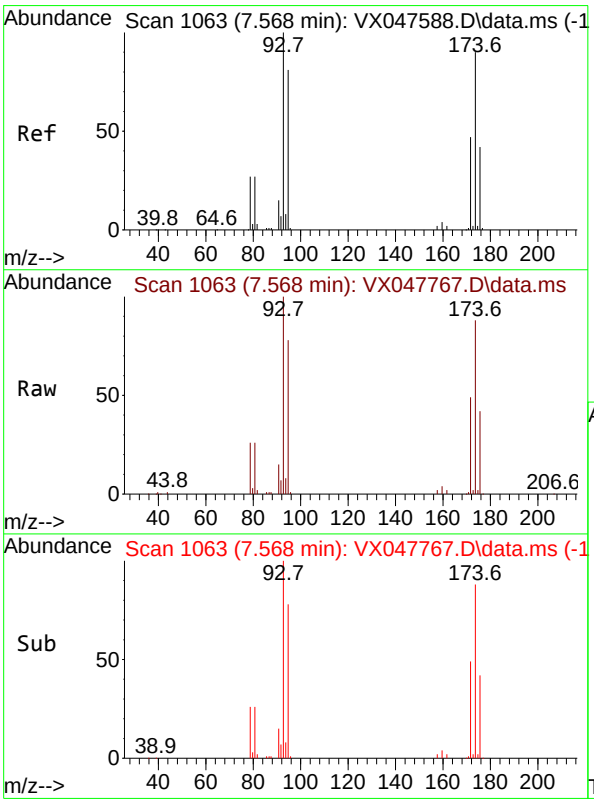

#45
1,2-Dichloropropane
Concen: 52.653 ug/l
RT: 7.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 63 Resp: 102032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 31.5 | 24.7 | 37.1 |

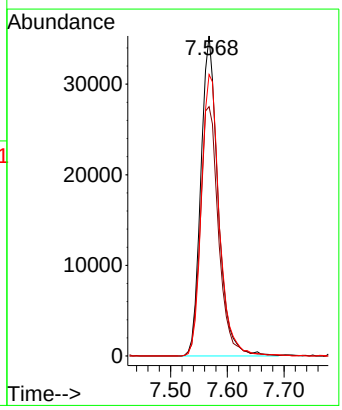


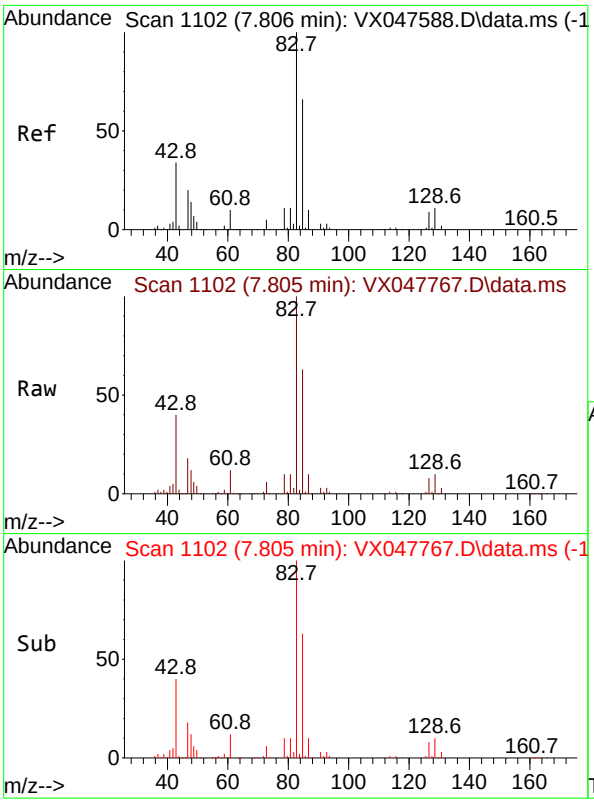




#46
Dibromomethane
Concen: 52.881 ug/l
RT: 7.568 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 93 Resp: 74570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 95 | 82.3 | 65.0 | 97.6 |
| 174 | 91.5 | 71.6 | 107.4 |



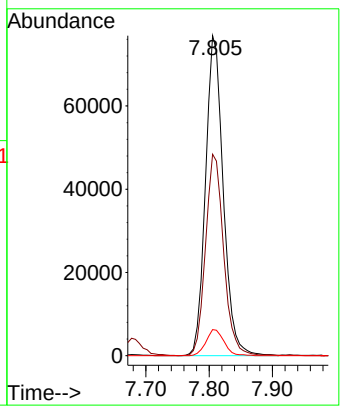


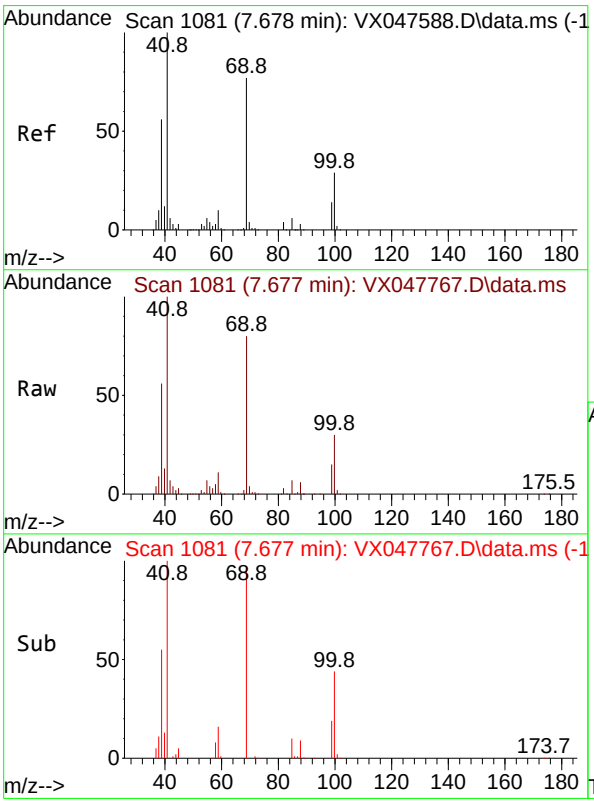

#47
Bromodichloromethane
Concen: 51.676 ug/l
RT: 7.805 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 150372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 85 | 63.0 | 52.5 | 78.7 |
| 127 | 8.2 | 6.9 | 10.3 |

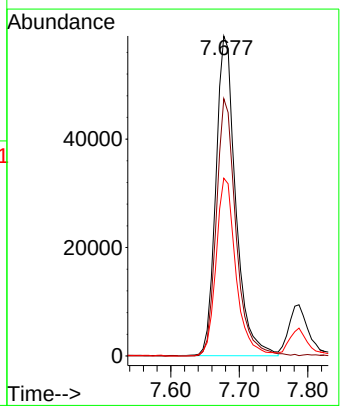


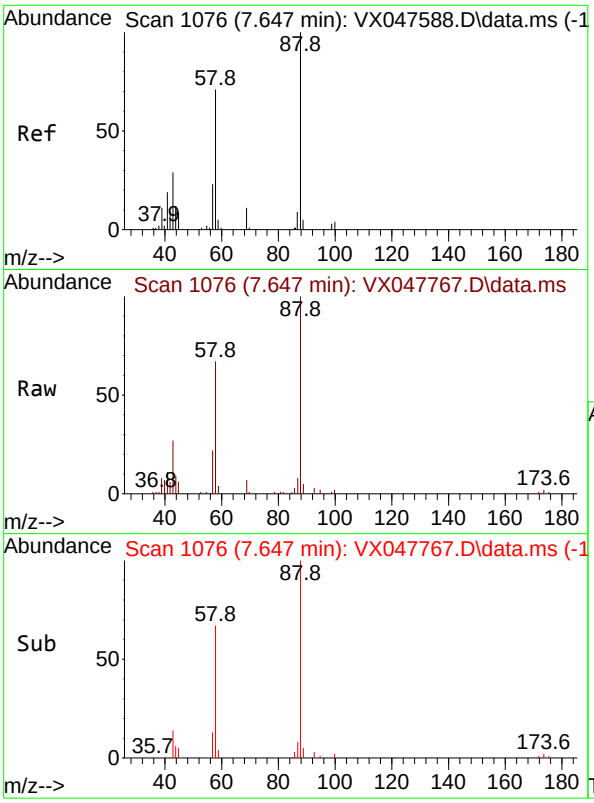




#48
Methyl methacrylate
Concen: 54.378 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 41 Resp: 118513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 79.6 | 61.4 | 92.2 |
| 39 | 55.7 | 45.8 | 68.6 |



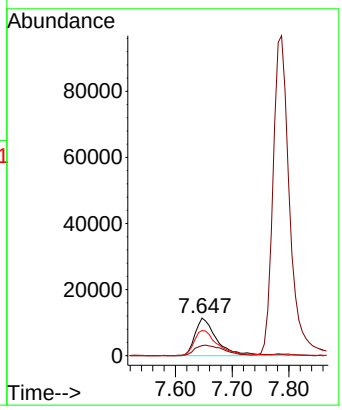


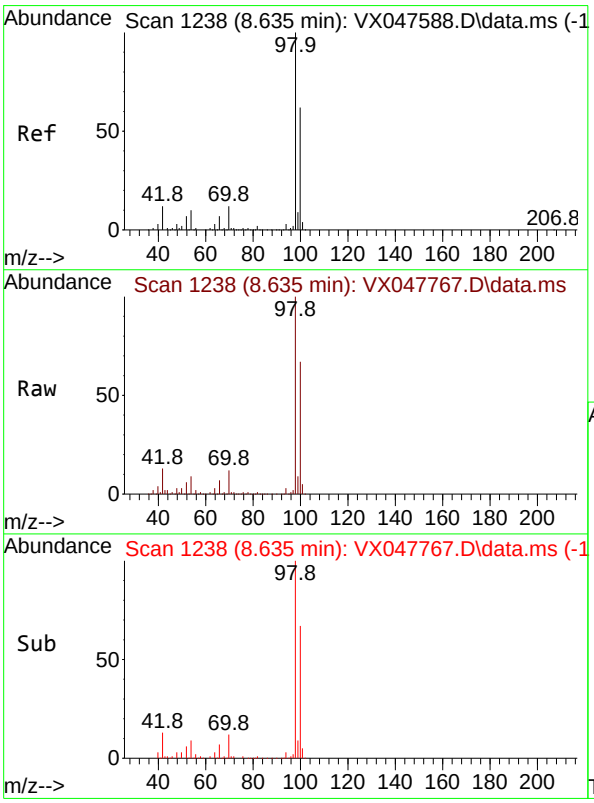

#49
1,4-Dioxane
Concen: 1379.627 ug/l
RT: 7.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 88 Resp: 30387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 37.6 | 30.2 | 45.2 |
| 58 | 73.0 | 59.5 | 89.3 |

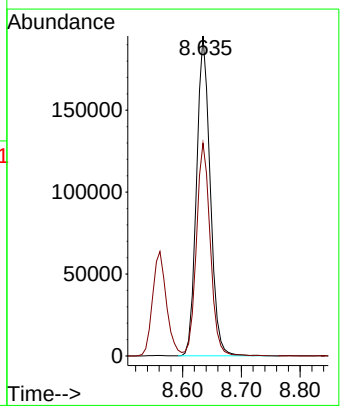


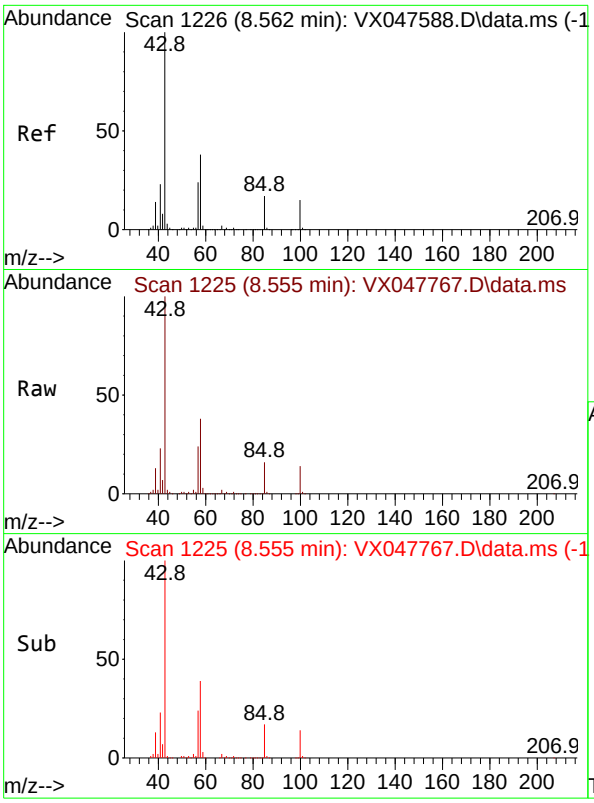




#50
Toluene-d8
Concen: 53.290 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 98 Resp: 314422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 67.3 | 53.0 | 79.4 |



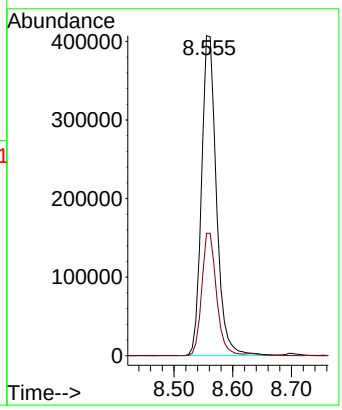


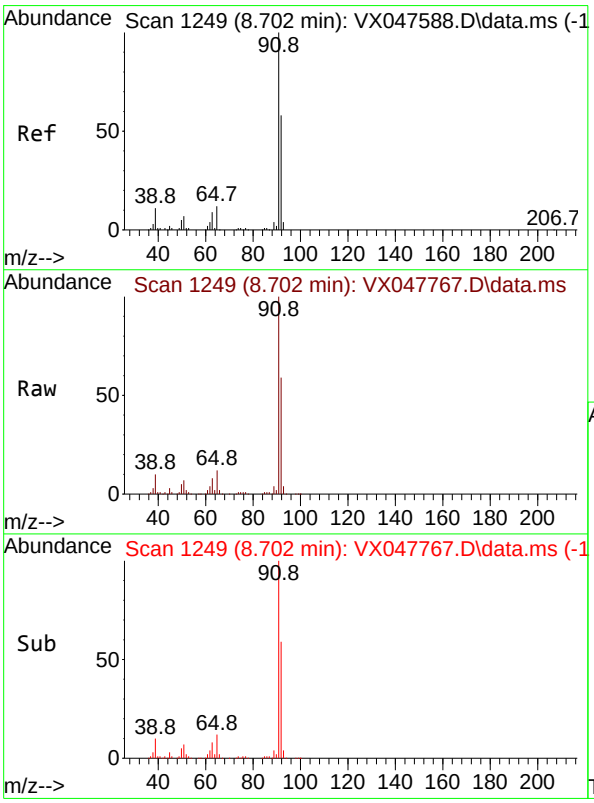

#51
4-Methyl-2-Pentanone
Concen: 296.207 ug/l
RT: 8.555 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 718573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 37.9 | 30.3 | 45.5 |

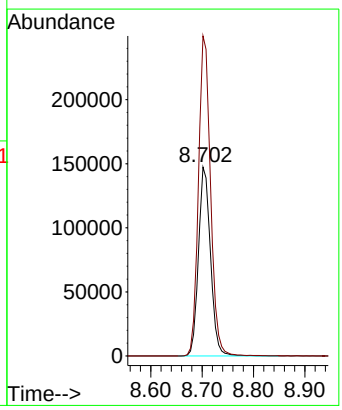


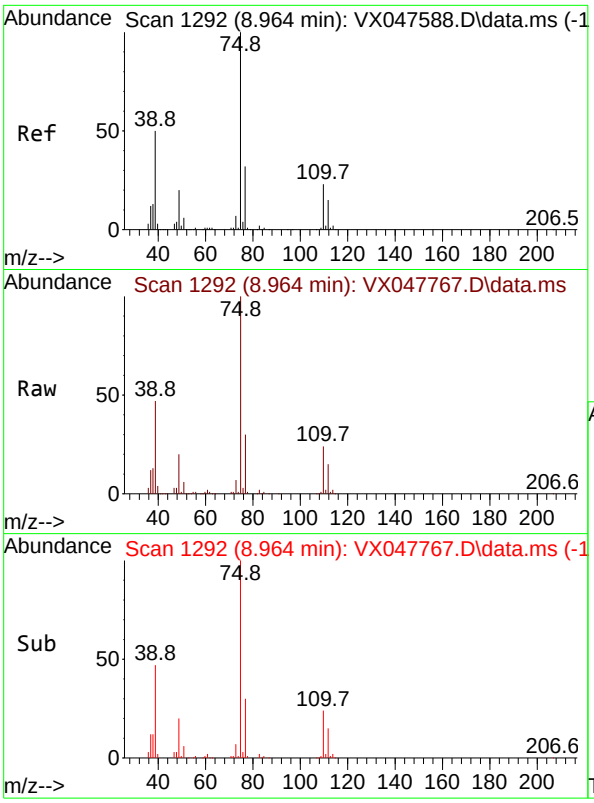




#52
Toluene
Concen: 51.397 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 92 Resp: 239637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 170.4 | 137.1 | 205.7 |



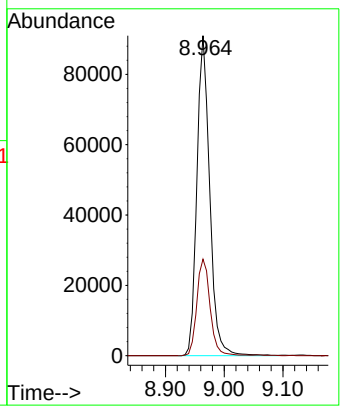


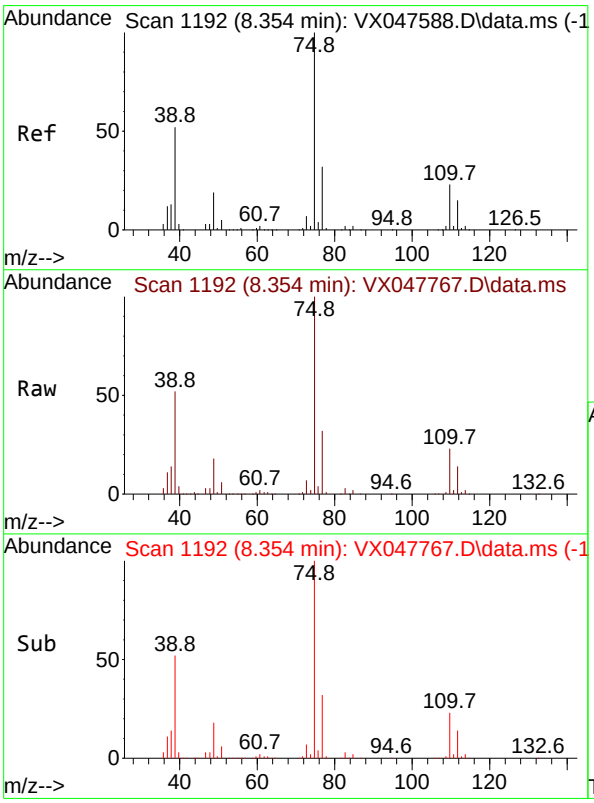

#53
t-1,3-Dichloropropene
Concen: 46.292 ug/l
RT: 8.964 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 137402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 30.2 | 25.4 | 38.2 |

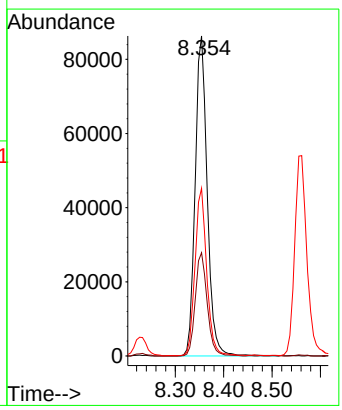


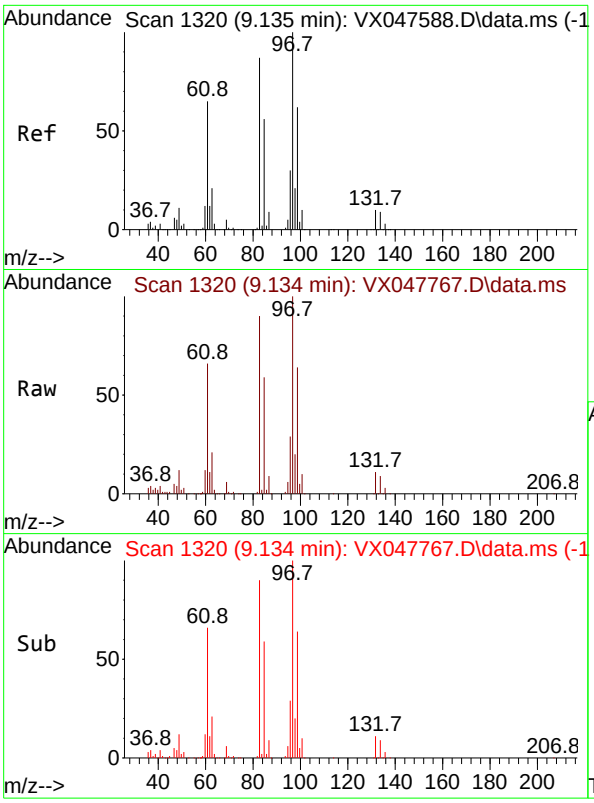




#54
cis-1,3-Dichloropropene
Concen: 47.013 ug/l
RT: 8.354 min Scan# 1192
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 149149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 32.3 | 25.8 | 38.6 |
| 39 | 51.7 | 41.4 | 62.2 |



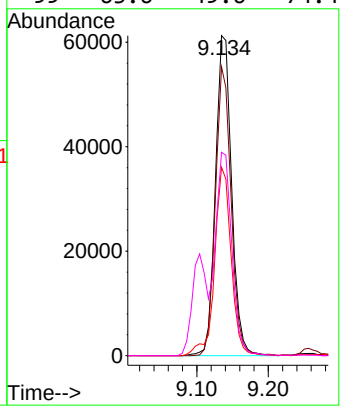


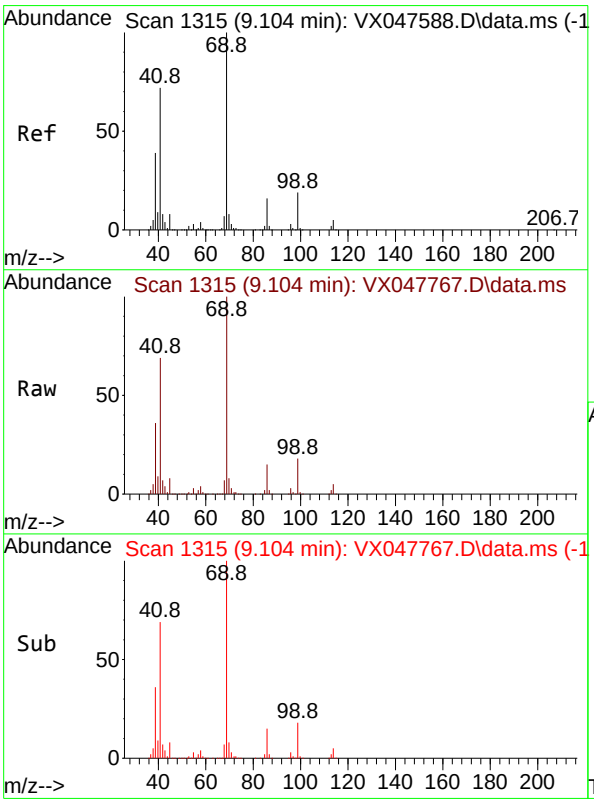

#55
1,1,2-Trichloroethane
Concen: 53.607 ug/l
RT: 9.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 97 Resp: 96376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 97 | 100 | | |
| 83 | 90.2 | 69.6 | 104.4 |
| 85 | 58.8 | 45.0 | 67.6 |
| 99 | 63.6 | 49.6 | 74.4 |

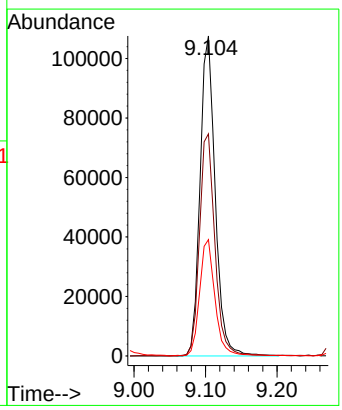


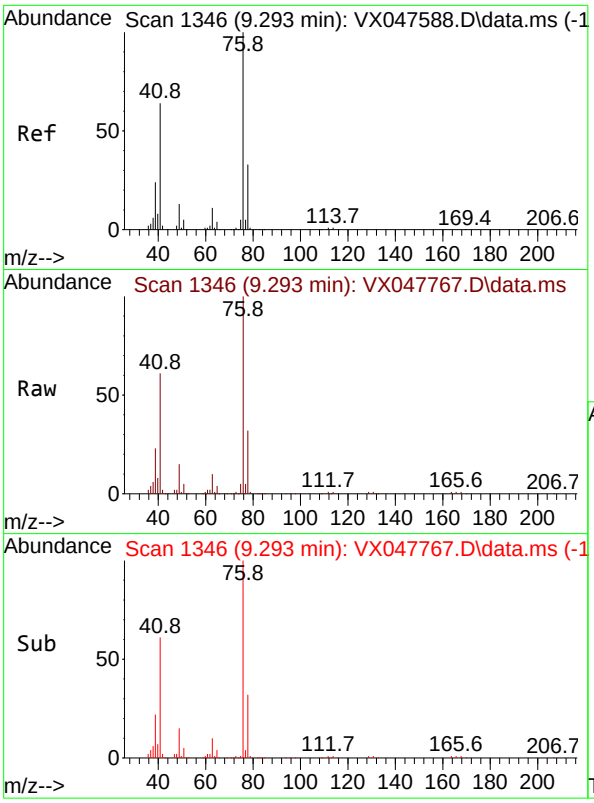




#56
Ethyl methacrylate
Concen: 56.087 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 69 Resp: 158357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 69 | 100 | | |
| 41 | 70.4 | 58.6 | 87.8 |
| 39 | 37.1 | 31.5 | 47.3 |



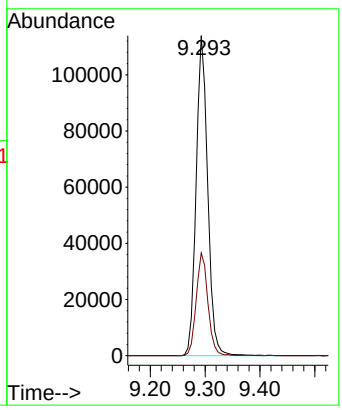


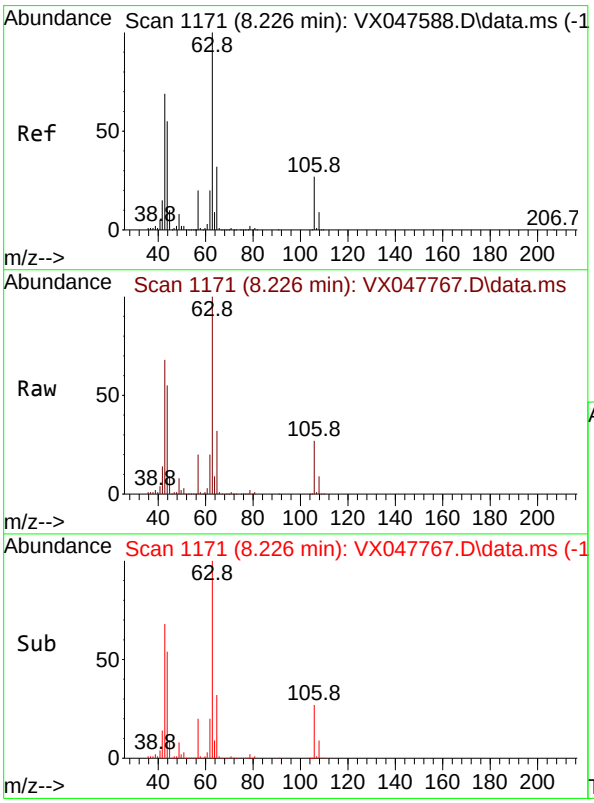

#57
1,3-Dichloropropane
Concen: 54.213 ug/l
RT: 9.293 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 76 Resp: 167428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 32.5 | 26.2 | 39.4 |

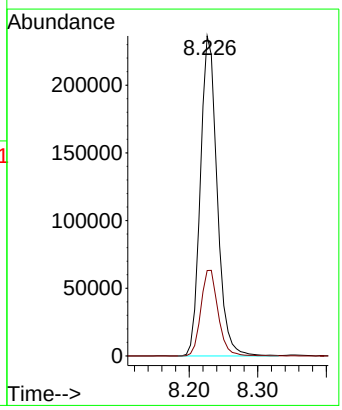


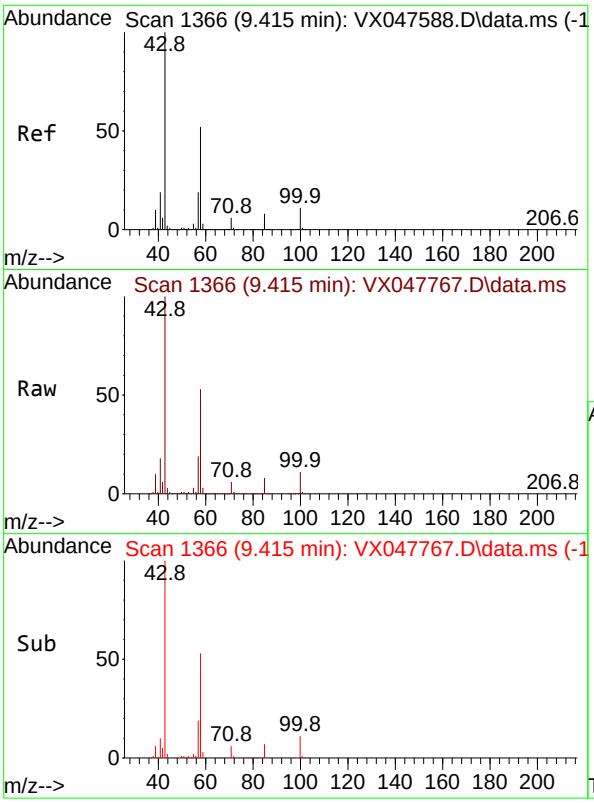




#58
2-Chloroethyl Vinyl ether
Concen: 294.817 ug/l
RT: 8.226 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 63 Resp: 402380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 106 | 27.5 | 21.9 | 32.9 |



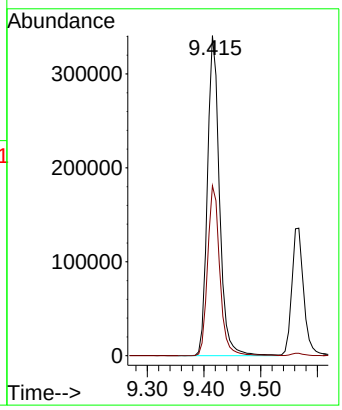


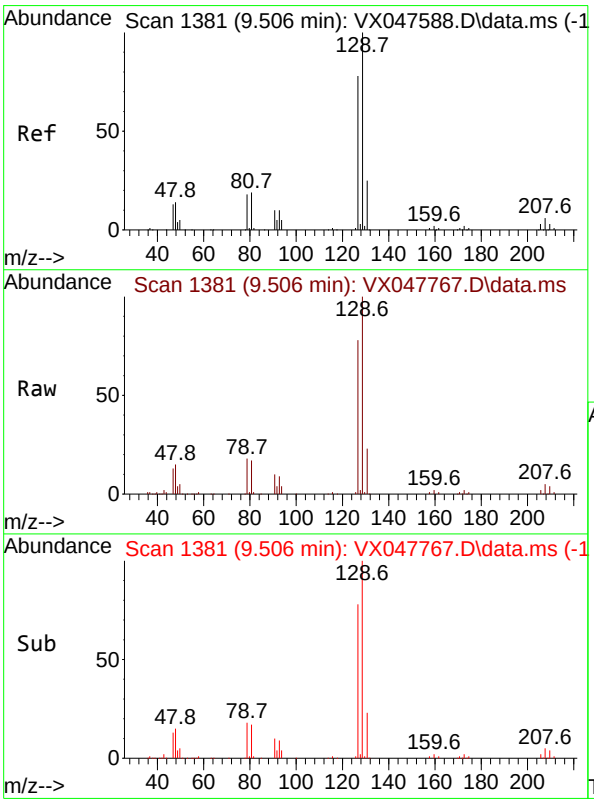

#59
2-Hexanone
Concen: 288.900 ug/l
RT: 9.415 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 43 Resp: 503351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 53.6 | 26.1 | 78.2 |

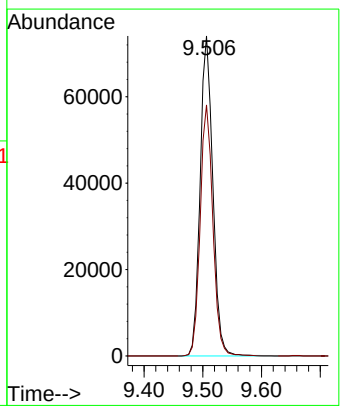


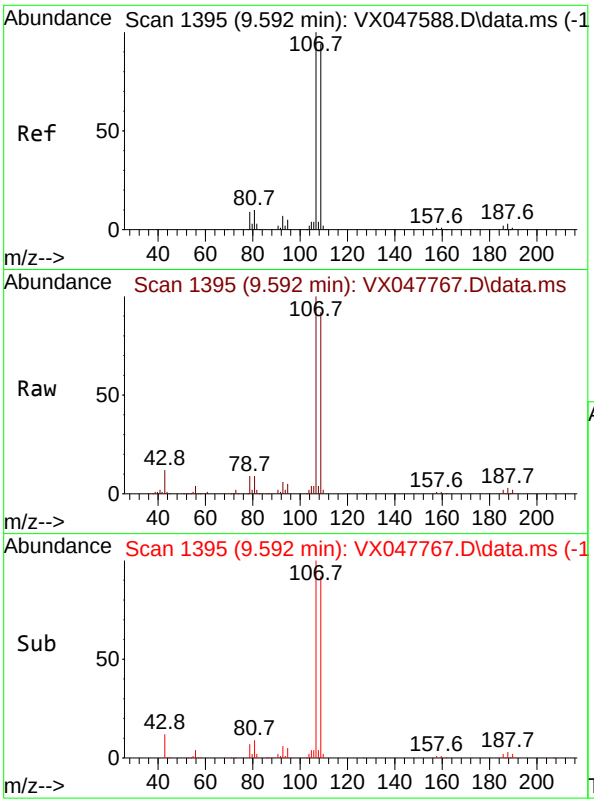




#60
Dibromochloromethane
Concen: 53.612 ug/l
RT: 9.506 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:129 Resp: 111057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 129 | 100 | | |
| 127 | 78.5 | 38.4 | 115.2 |



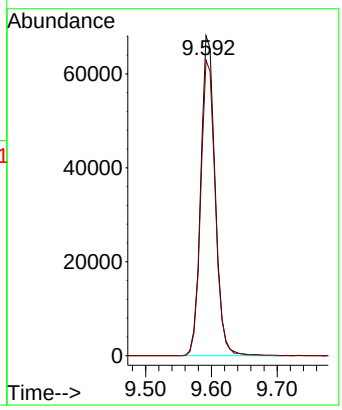


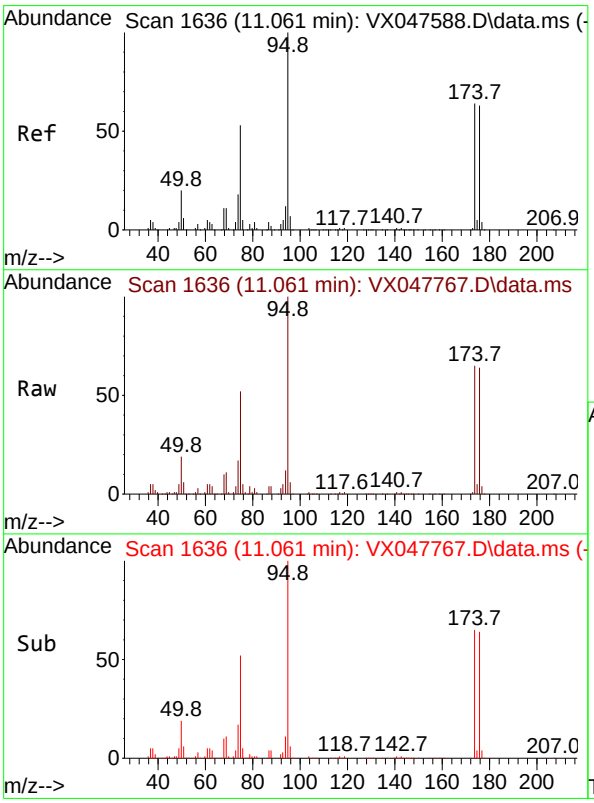

#61
1,2-Dibromoethane
Concen: 56.360 ug/l
RT: 9.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:107 Resp: 103205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 109 | 93.7 | 75.3 | 112.9 |

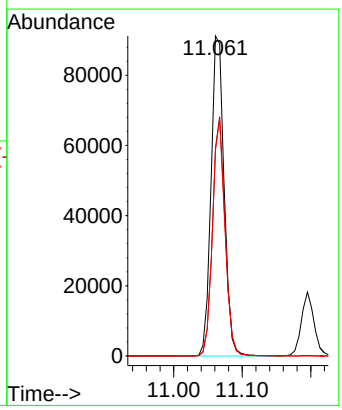


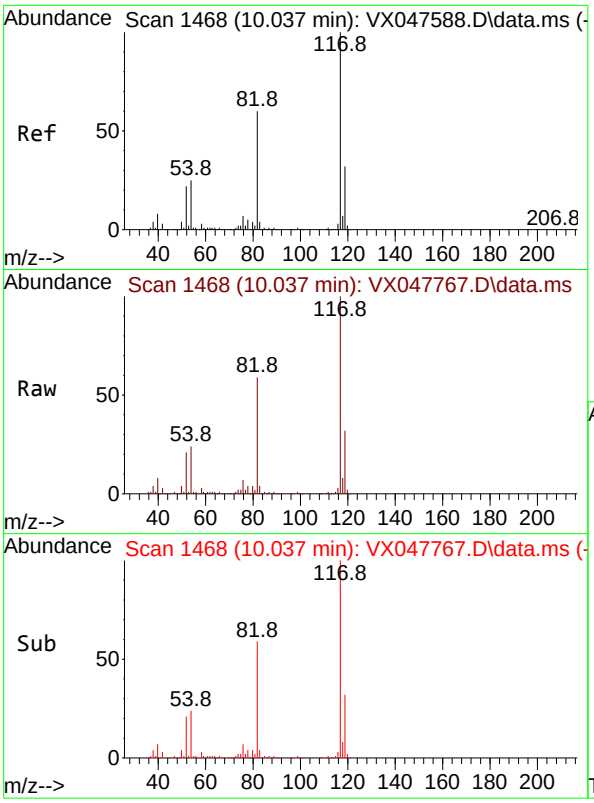




#62
4-Bromofluorobenzene
Concen: 53.949 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 95 Resp: 120804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 71.6 | 0.0 | 141.6 |
| 176 | 70.6 | 0.0 | 138.4 |



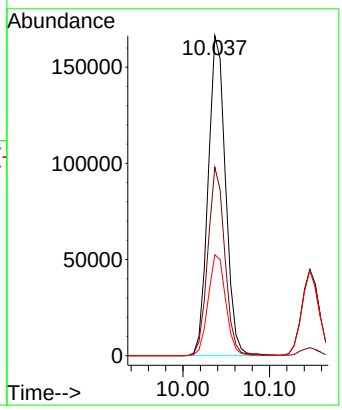


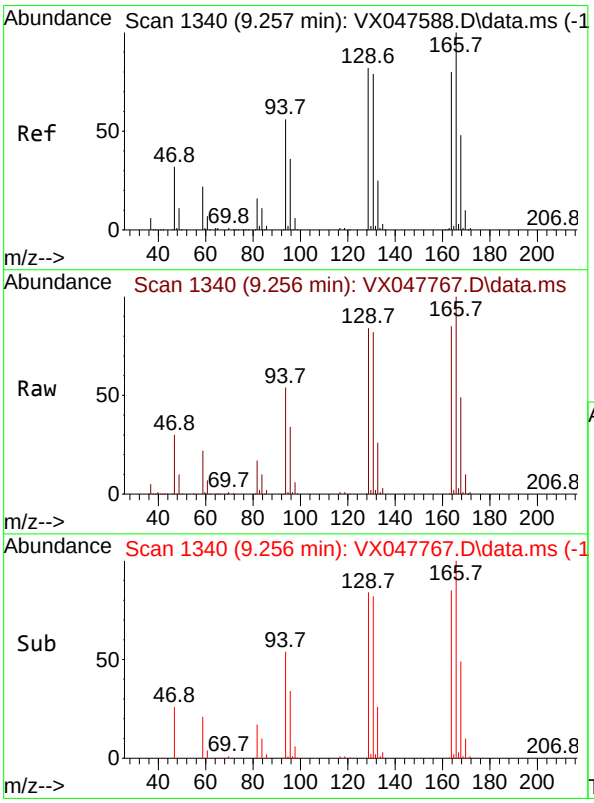

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:117 Resp: 232007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.9 | 47.8 | 71.6 |
| 119 | 31.5 | 25.2 | 37.8 |

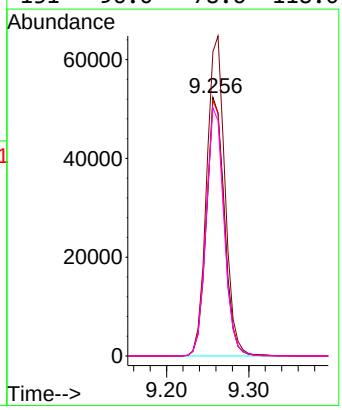


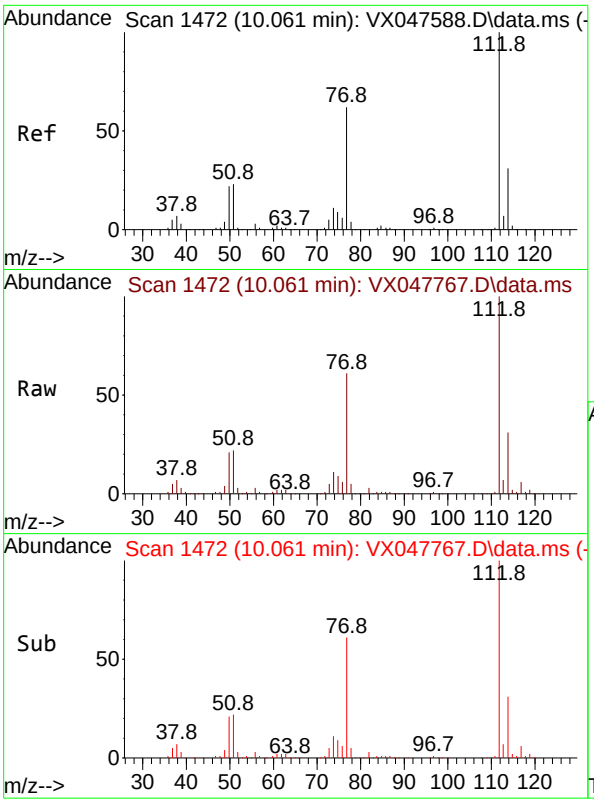




#64
Tetrachloroethene
Concen: 52.130 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:164 Resp: 78844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 166 | 117.7 | 100.2 | 150.2 |
| 129 | 99.0 | 81.8 | 122.6 |
| 131 | 96.0 | 78.6 | 118.0 |



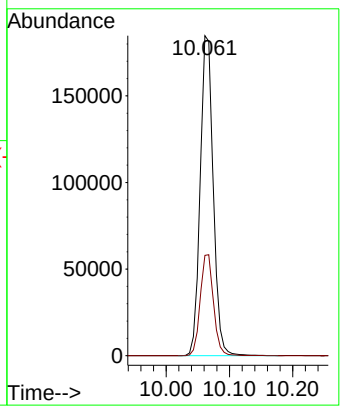


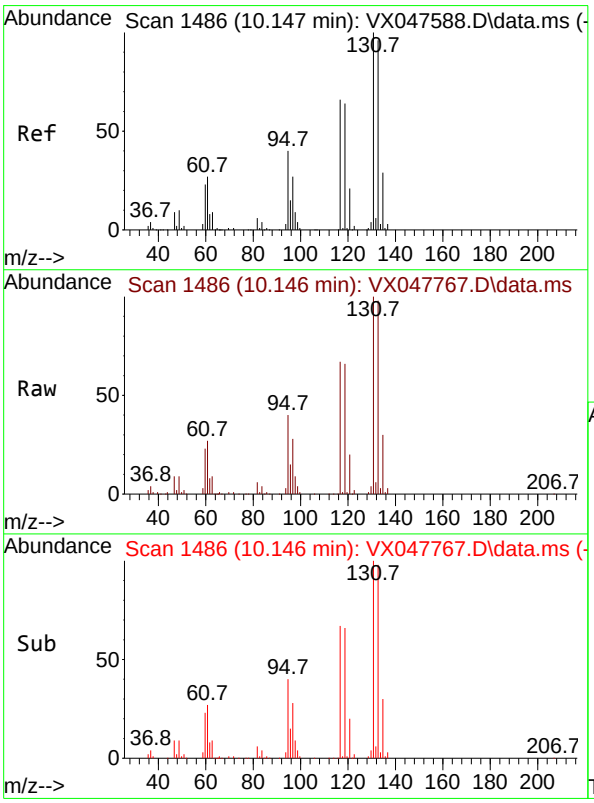

#65
Chlorobenzene
Concen: 50.402 ug/l
RT: 10.061 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:112 Resp: 265659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 31.3 | 25.1 | 37.7 |

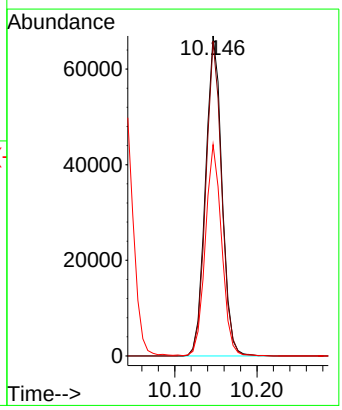


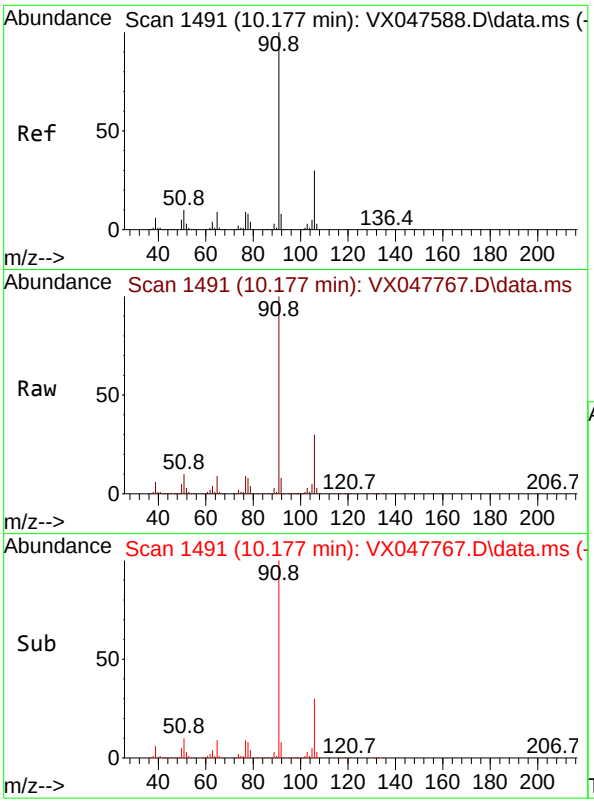




#66
1,1,1,2-Tetrachloroethane
Concen: 51.137 ug/l
RT: 10.146 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:131 Resp: 93007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 131 | 100 | | |
| 133 | 95.3 | 47.3 | 142.0 |
| 119 | 65.6 | 32.0 | 96.0 |



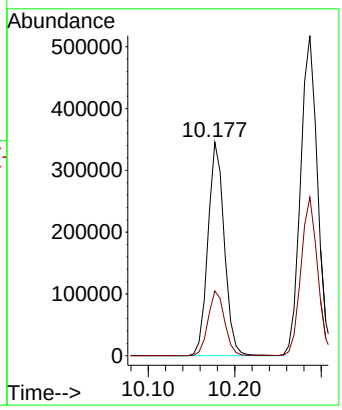


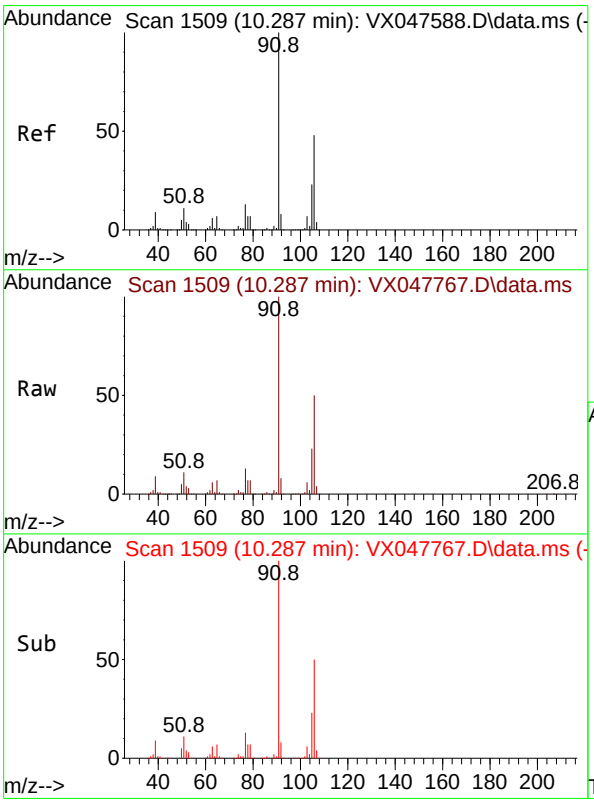

#67
Ethyl Benzene
Concen: 49.712 ug/l
RT: 10.177 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 452093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 30.3 | 24.3 | 36.5 |

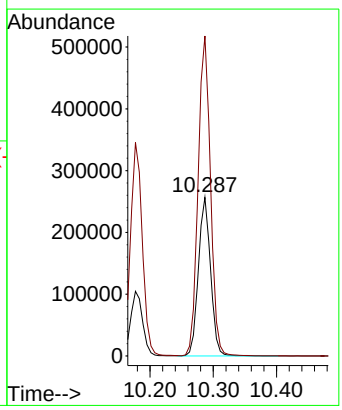


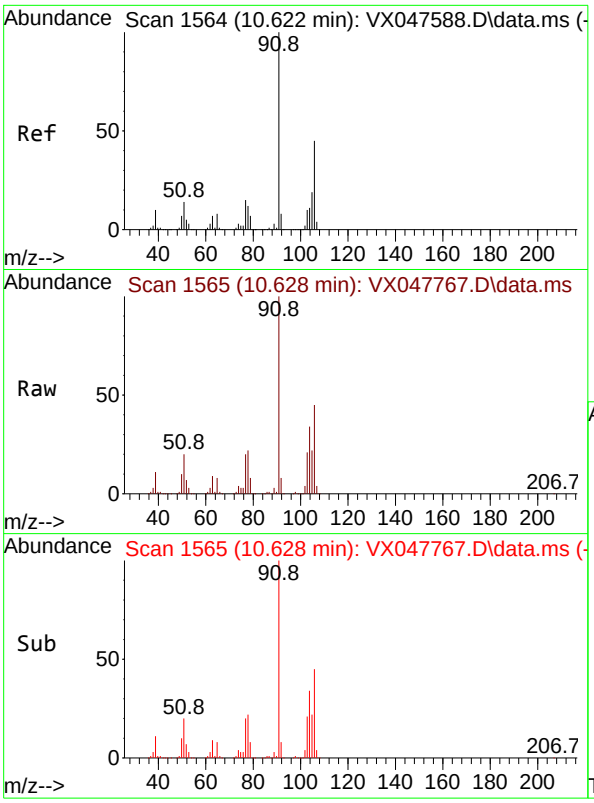




#68
m/p-Xylenes
Concen: 101.520 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:106 Resp: 343642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 205.6 | 167.8 | 251.8 |



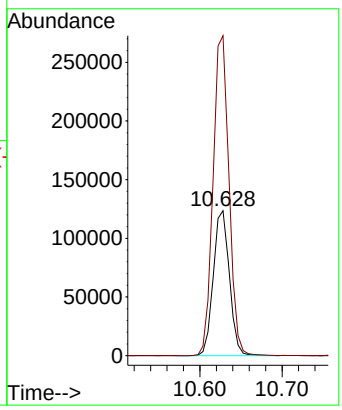


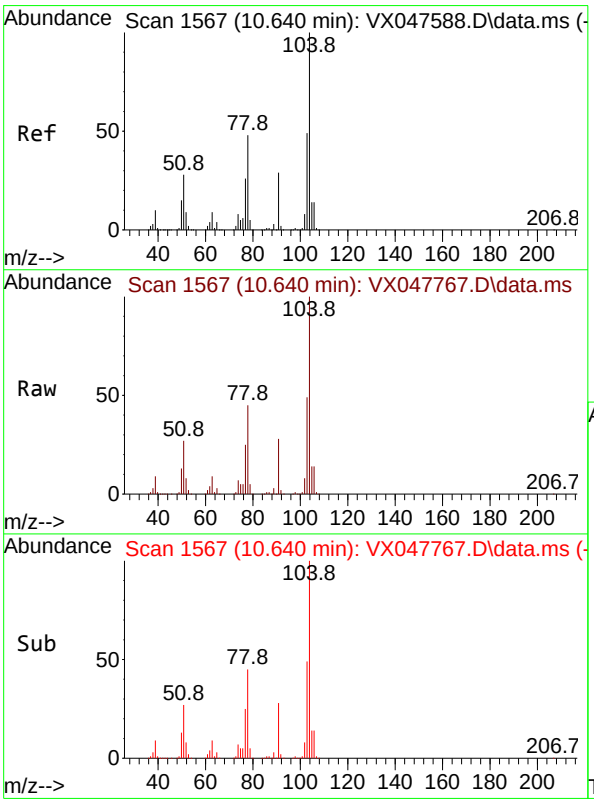

#69
o-Xylene
Concen: 51.290 ug/l
RT: 10.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:106 Resp: 167926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 219.1 | 111.1 | 333.4 |

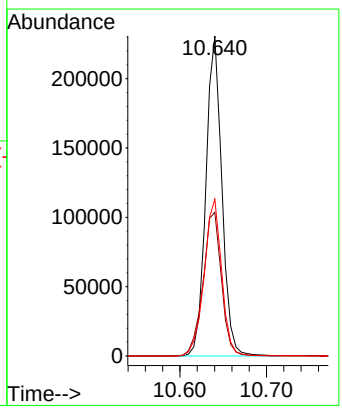


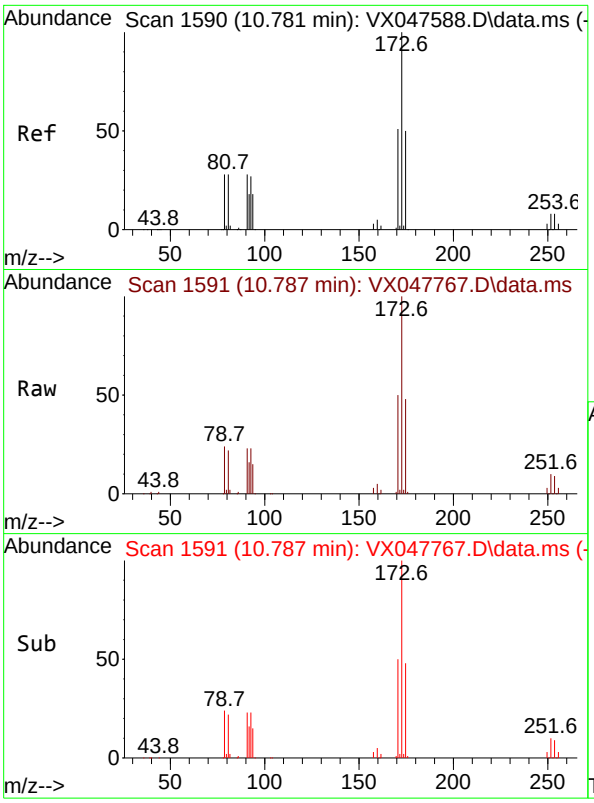




#70
Styrene
Concen: 51.662 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:104 Resp: 296373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 104 | 100 | | |
| 78 | 51.6 | 43.1 | 64.7 |
| 103 | 53.6 | 43.1 | 64.7 |



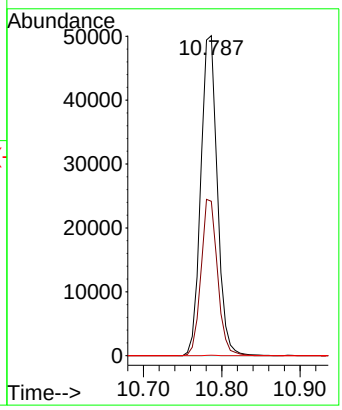


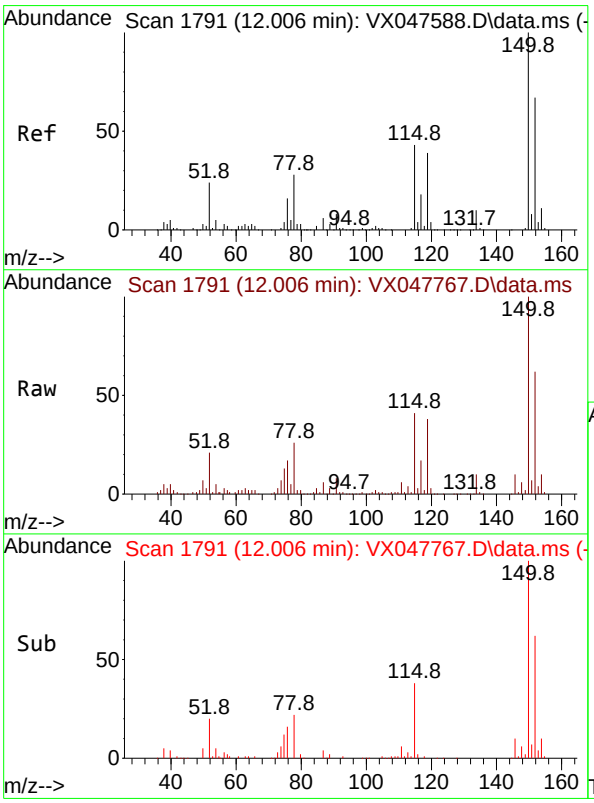

#71
Bromoform
Concen: 53.967 ug/l
RT: 10.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:173 Resp: 73291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 48.6 | 24.9 | 74.6 |
| 254 | 0.1 | 0.1 | 0.1 |

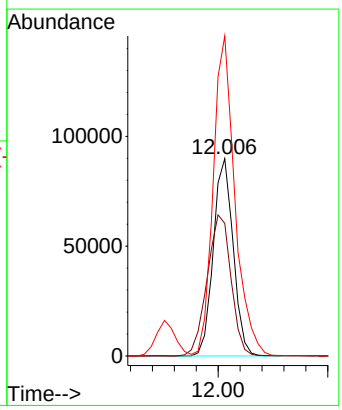


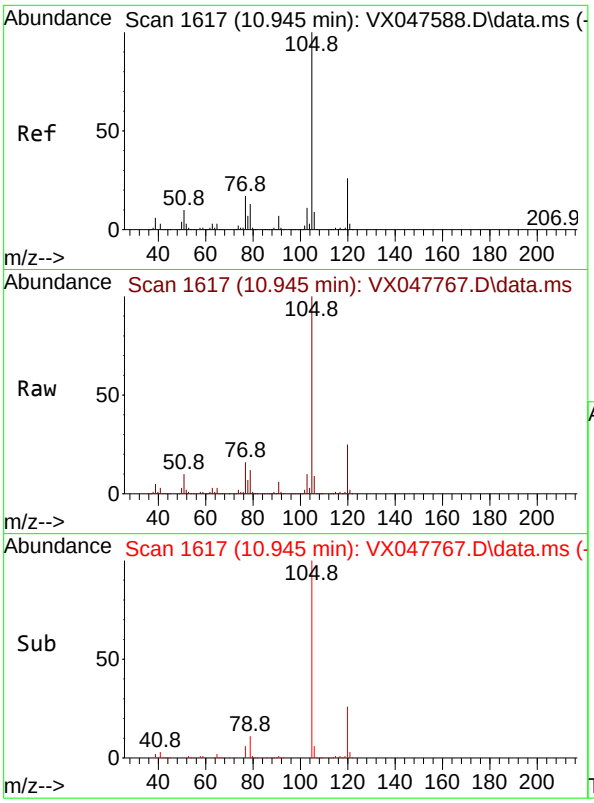




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:152 Resp: 113030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 86.3 | 44.9 | 134.5 |
| 150 | 177.1 | 0.0 | 352.0 |



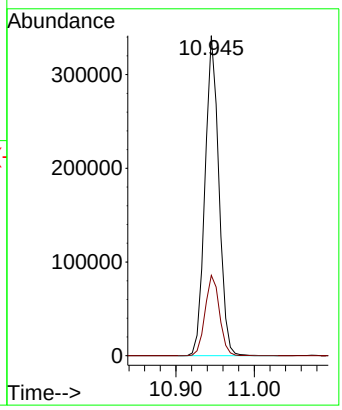


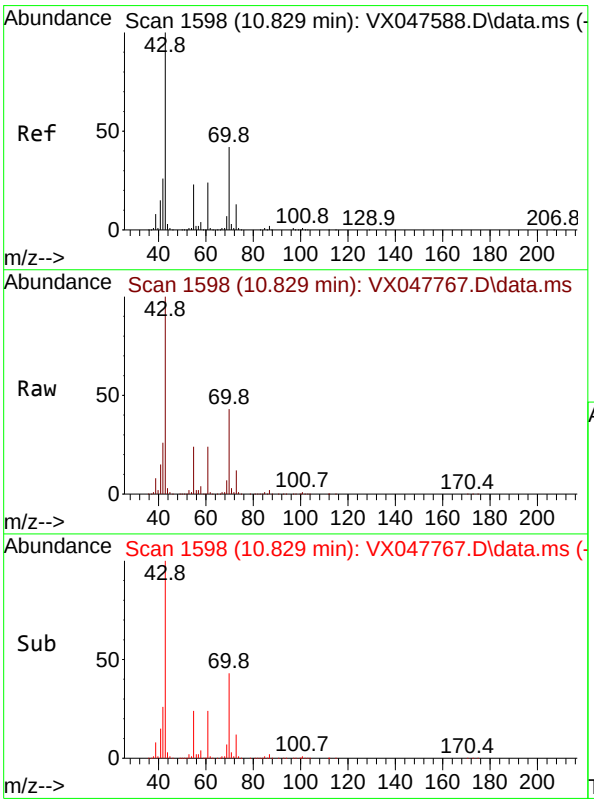

#73
Isopropylbenzene
Concen: 48.594 ug/l
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 417583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 26.0 | 12.8 | 38.4 |

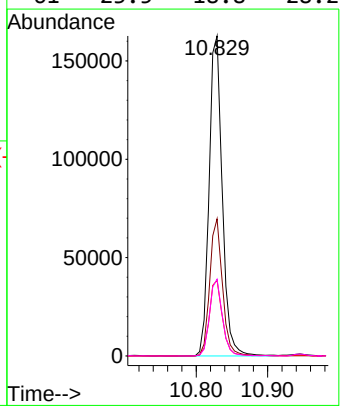


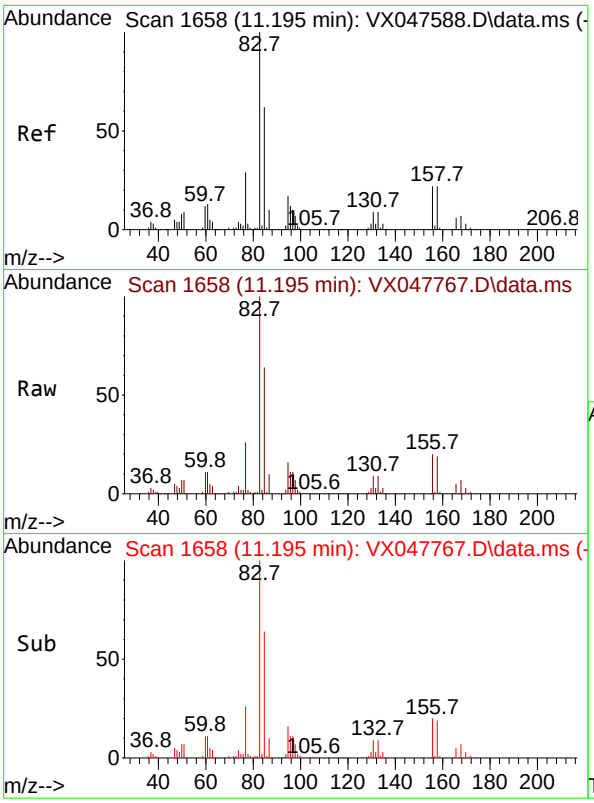




#74
N-amyl acetate
Concen: 53.032 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 43 Resp: 207812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 41.7 | 32.0 | 48.0 |
| 55 | 23.5 | 18.9 | 28.3 |
| 61 | 23.5 | 18.8 | 28.2 |



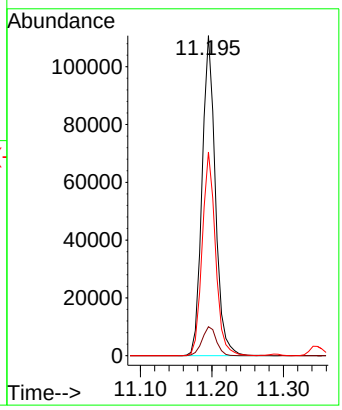


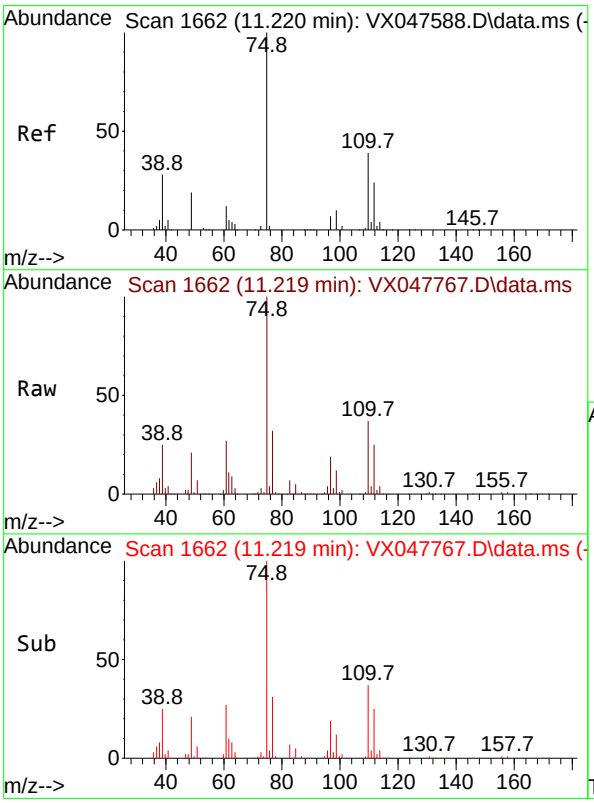

#75
1,1,2,2-Tetrachloroethane
Concen: 54.960 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 83 Resp: 142889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 83 | 100 | | |
| 131 | 9.7 | 5.0 | 14.9 |
| 85 | 63.7 | 31.6 | 95.0 |

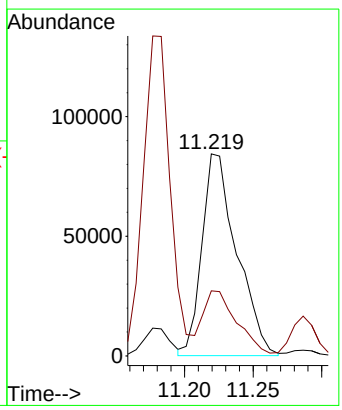


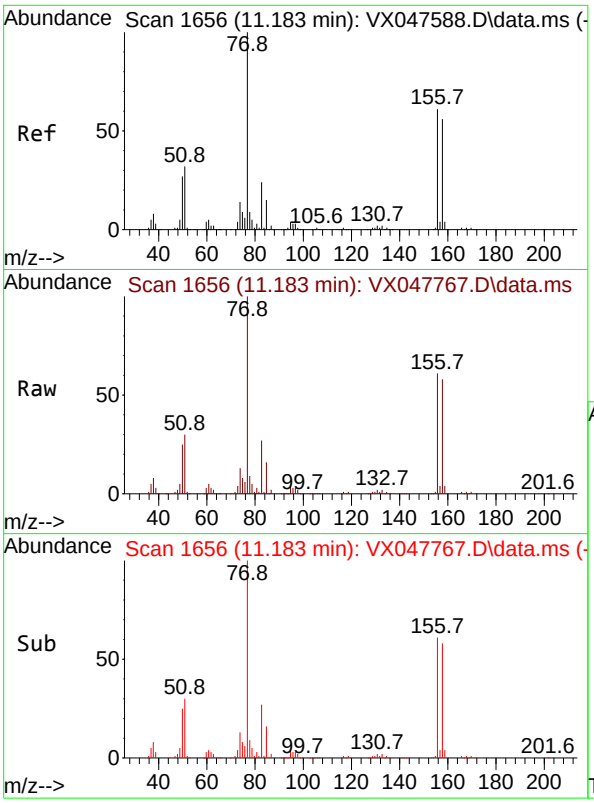




#76
1,2,3-Trichloropropane
Concen: 65.308 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 149457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 31.0 | 18.8 | 56.4 |



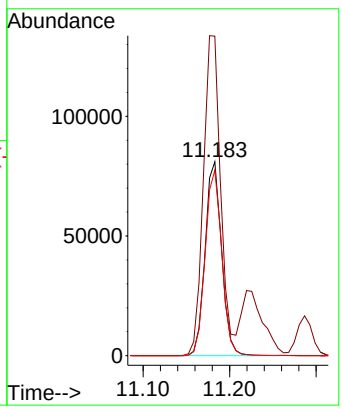


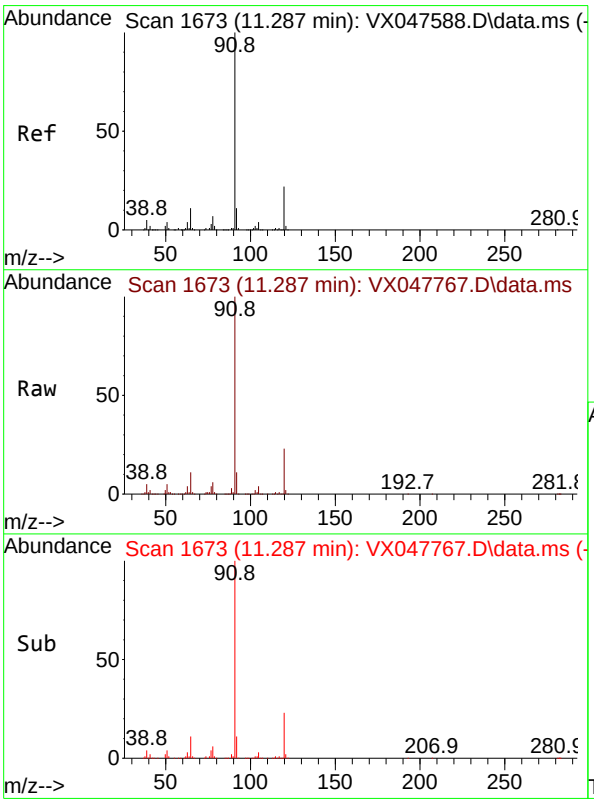

#77
Bromobenzene
Concen: 50.657 ug/l
RT: 11.183 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:156 Resp: 107213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 156 | 100 | | |
| 77 | 173.5 | 89.7 | 269.1 |
| 158 | 96.2 | 47.9 | 143.6 |

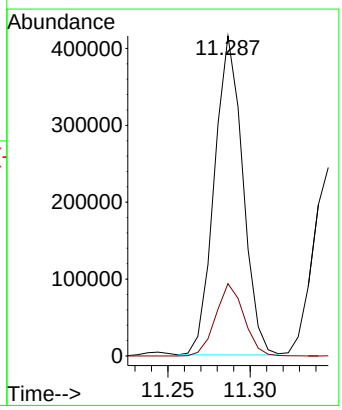


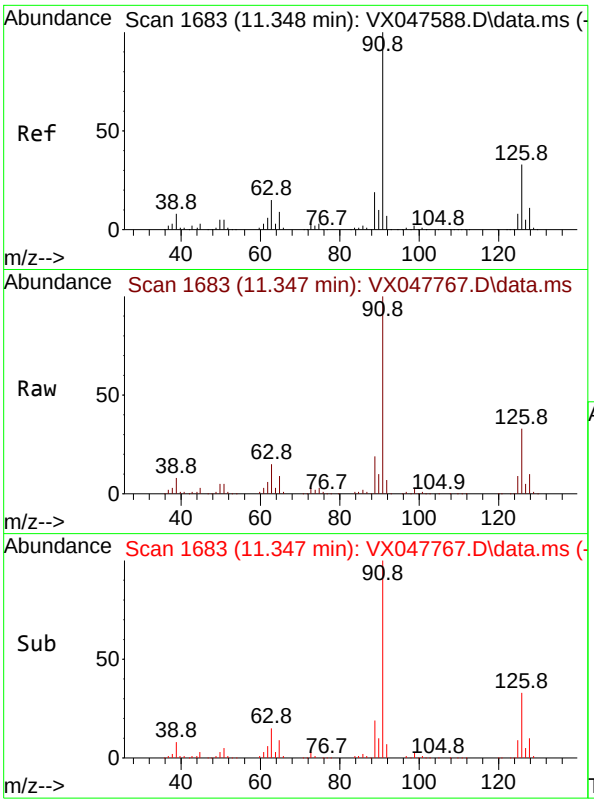




#78
n-propylbenzene
Concen: 49.095 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 498719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.5 | 11.1 | 33.1 |



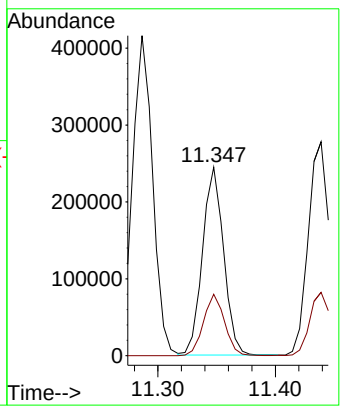


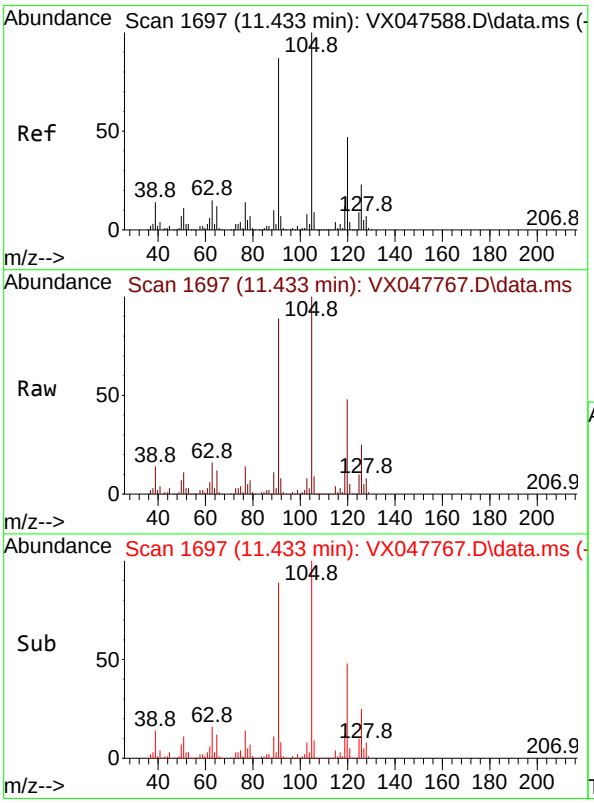

#79
2-Chlorotoluene
Concen: 49.006 ug/l
RT: 11.347 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 304904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 32.7 | 16.1 | 48.3 |

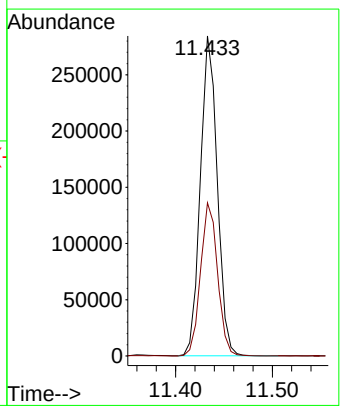


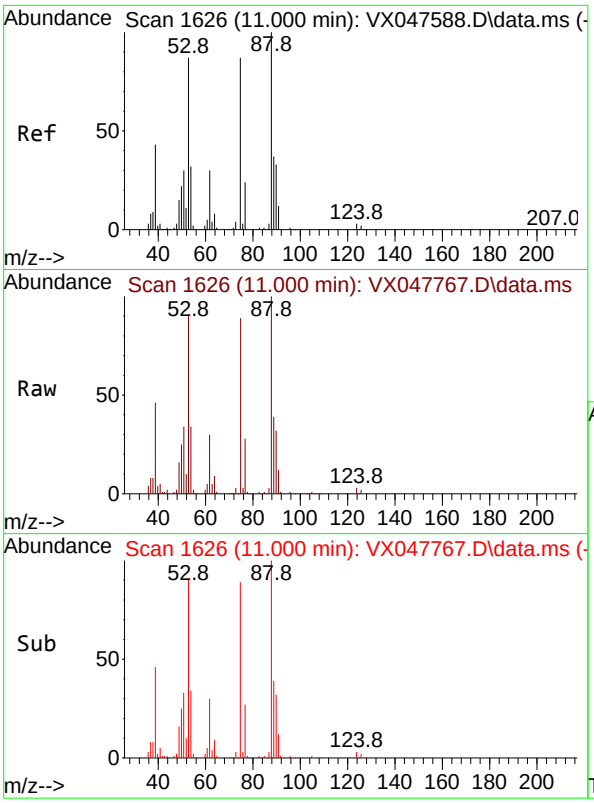




#80
1,3,5-Trimethylbenzene
Concen: 49.006 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 345988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.2 | 23.6 | 70.8 |



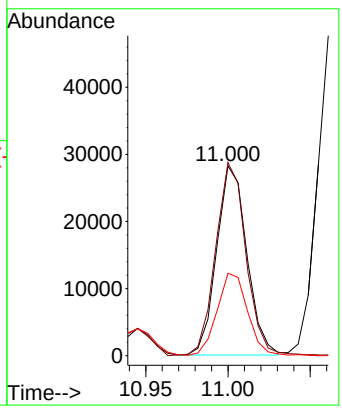


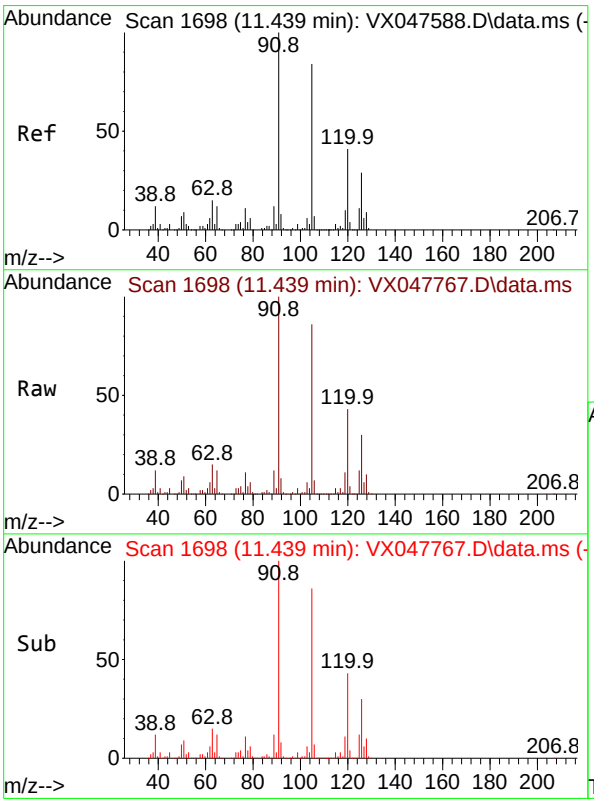

#81
trans-1,4-Dichloro-2-butene
Concen: 40.018 ug/l
RT: 11.000 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 75 Resp: 35912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 102.9 | 83.4 | 125.2 |
| 89 | 44.3 | 36.3 | 54.5 |

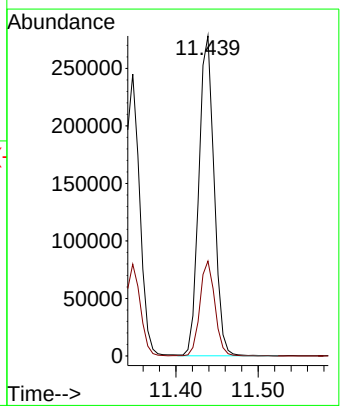


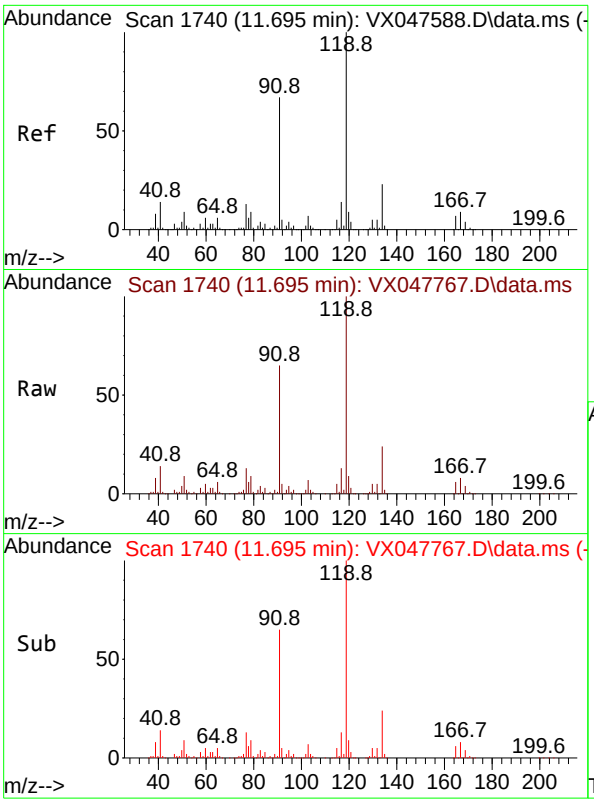




#82
4-Chlorotoluene
Concen: 48.683 ug/l
RT: 11.439 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 91 Resp: 357733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 126 | 29.1 | 14.2 | 42.6 |



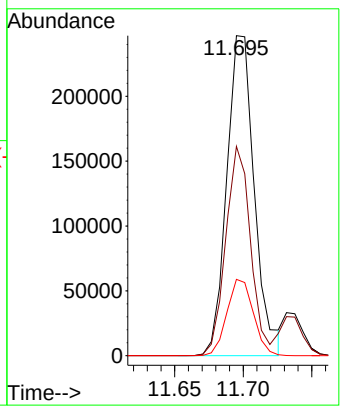


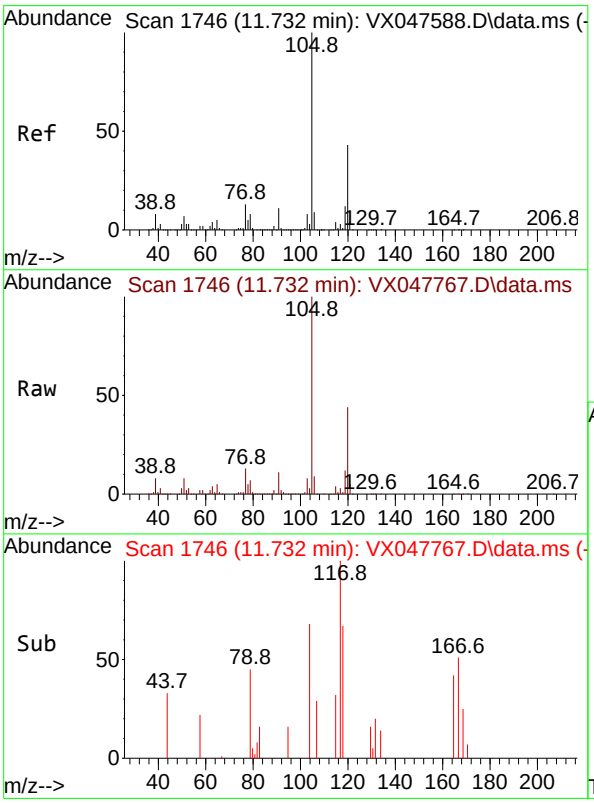

#83
tert-Butylbenzene
Concen: 47.879 ug/l
RT: 11.695 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:119 Resp: 346038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 91 | 58.6 | 29.6 | 88.8 |
| 134 | 22.9 | 11.0 | 33.0 |

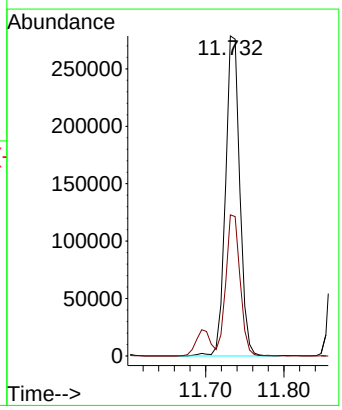


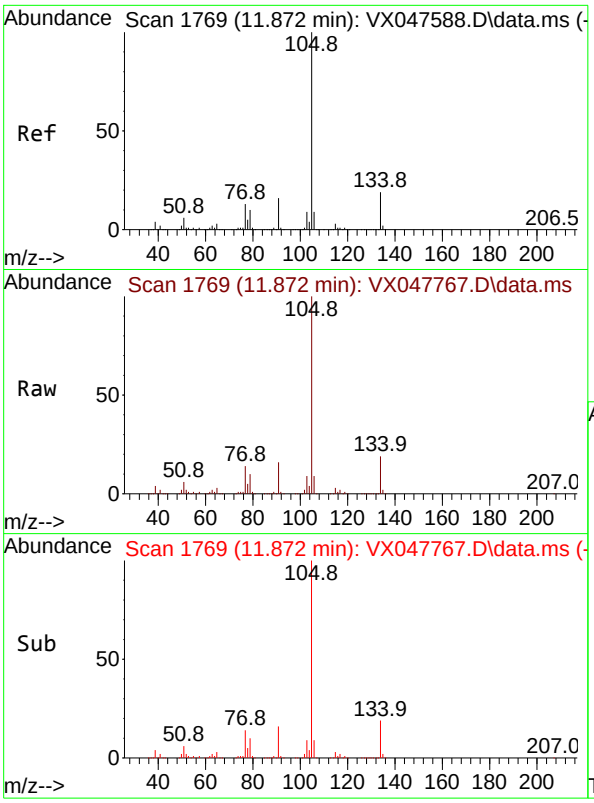




#84
1,2,4-Trimethylbenzene
Concen: 49.355 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:105 Resp: 353276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 43.8 | 22.1 | 66.1 |



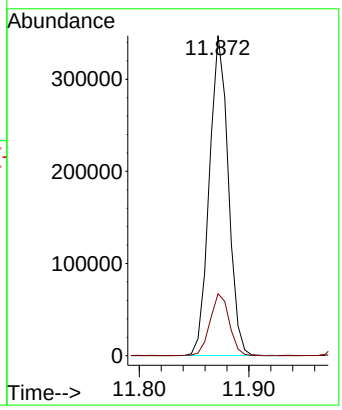


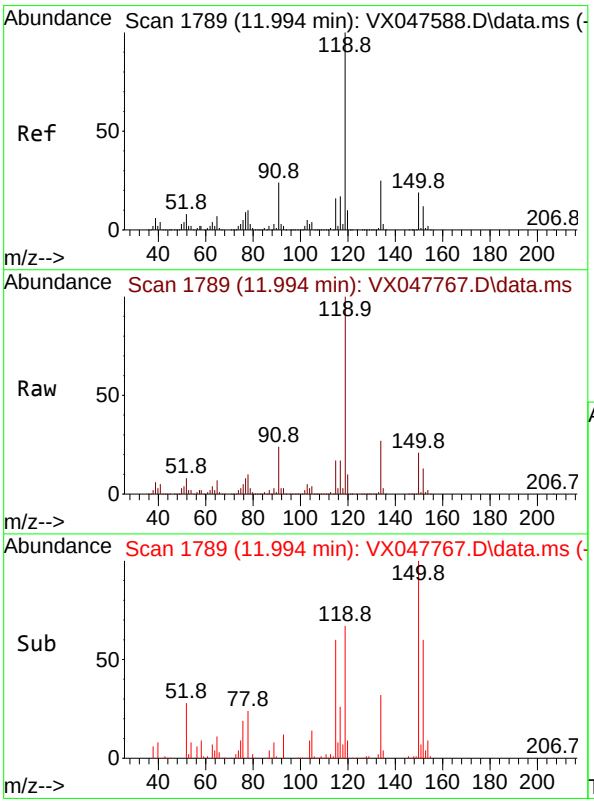

#85
sec-Butylbenzene
Concen: 48.459 ug/l
RT: 11.872 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:105 Resp: 415999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 19.7 | 9.8 | 29.5 |

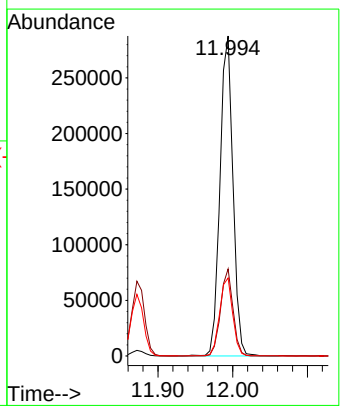


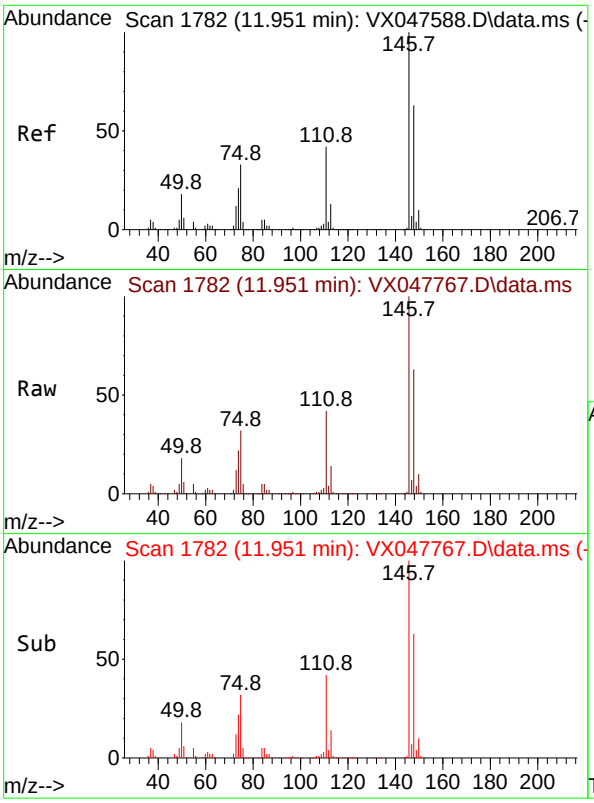




#86
p-Isopropyltoluene
Concen: 47.972 ug/l
RT: 11.994 min Scan# 1789
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:119 Resp: 348647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 119 | 100 | | |
| 134 | 26.0 | 12.6 | 37.8 |
| 91 | 24.6 | 12.6 | 37.6 |



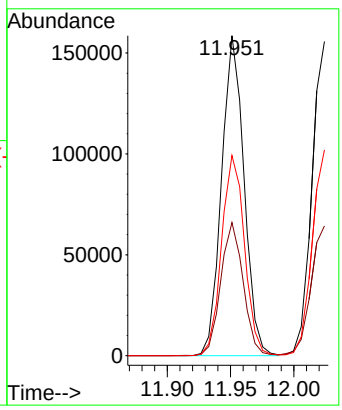


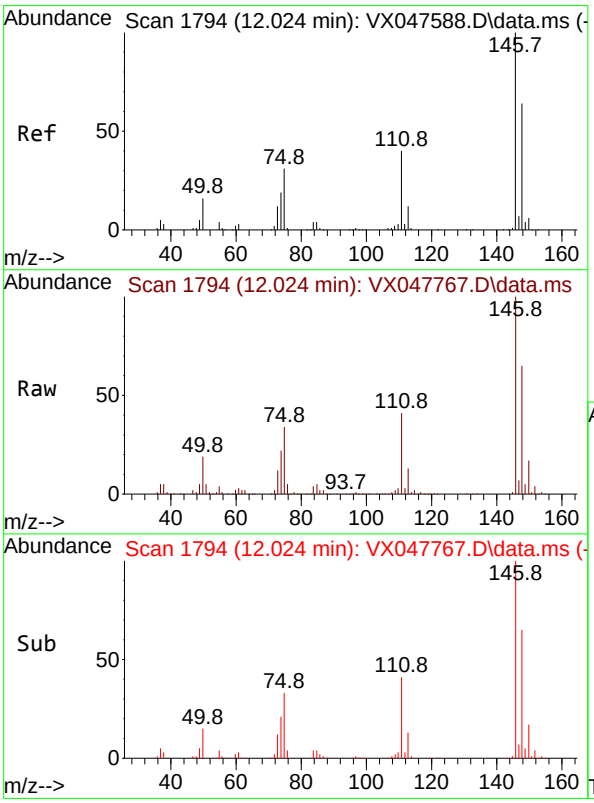

#87
1,3-Dichlorobenzene
Concen: 49.790 ug/l
RT: 11.951 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 195732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 21.5 | 64.5 |
| 148 | 63.8 | 32.0 | 96.0 |

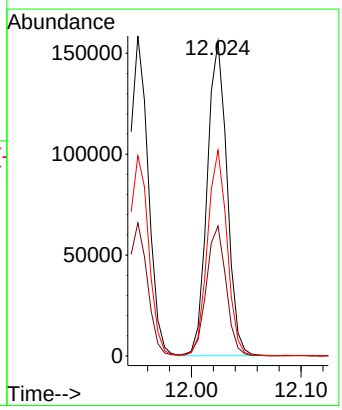


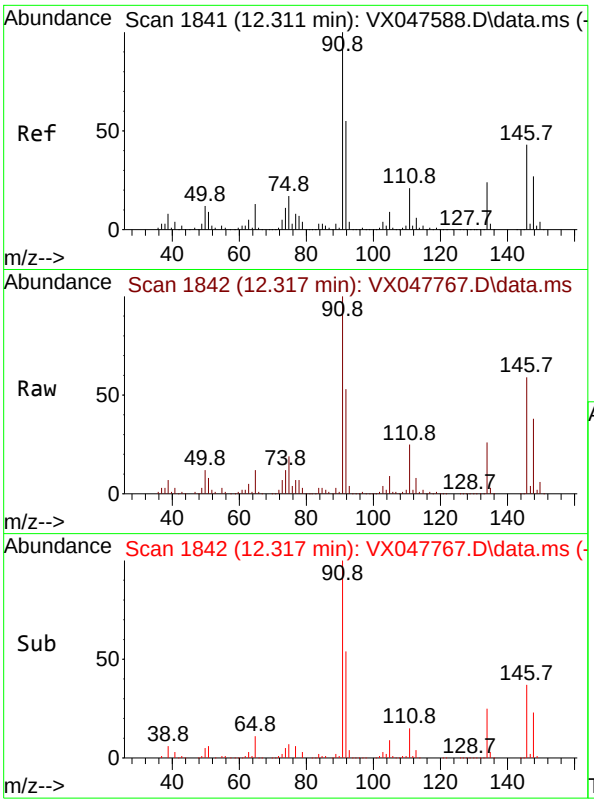




#88
1,4-Dichlorobenzene
Concen: 48.435 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:146 Resp: 195422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 41.6 | 20.8 | 62.4 |
| 148 | 64.8 | 31.7 | 95.1 |



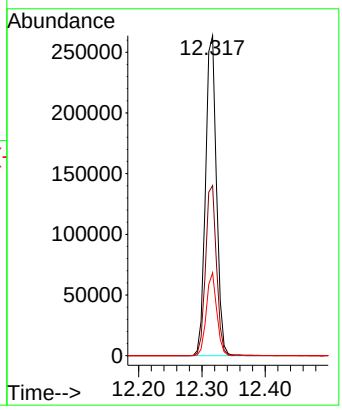


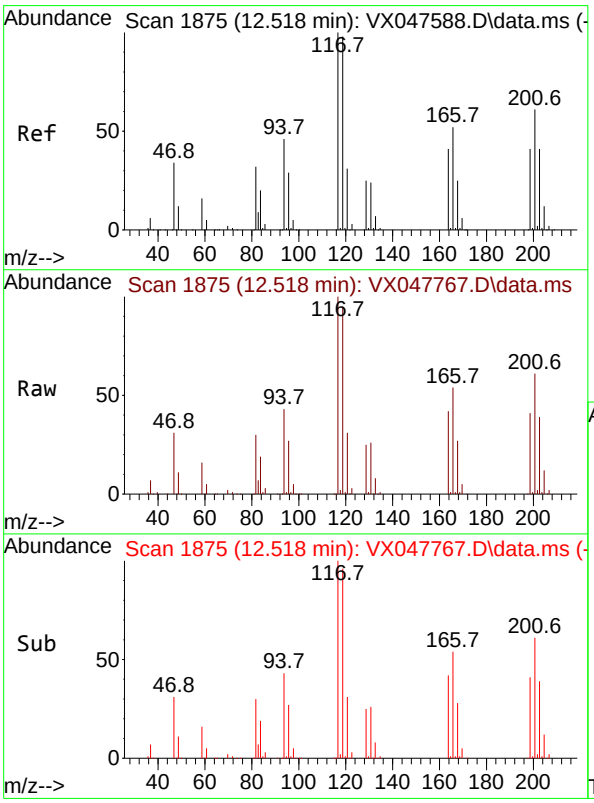

#89
n-Butylbenzene
Concen: 47.254 ug/l
RT: 12.317 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion: 91 Resp: 317773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 53.3 | 27.6 | 82.7 |
| 134 | 24.7 | 12.6 | 37.8 |

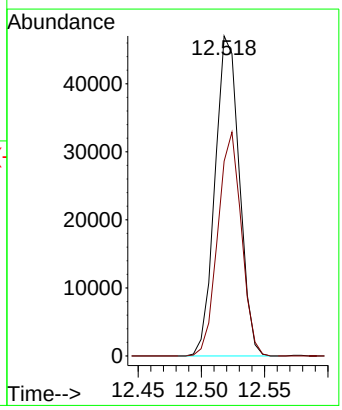


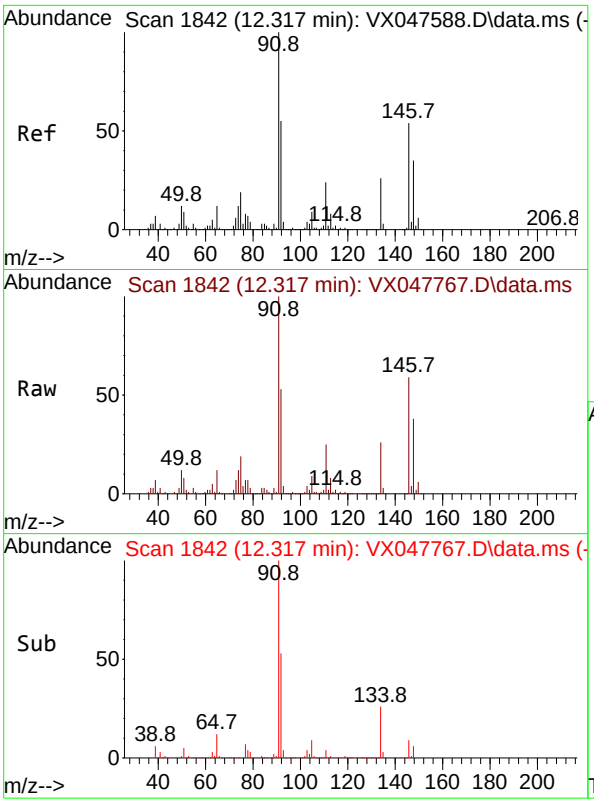




#90
Hexachloroethane
Concen: 49.203 ug/l
RT: 12.518 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:117 Resp: 62783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 67.8 | 34.2 | 102.5 |



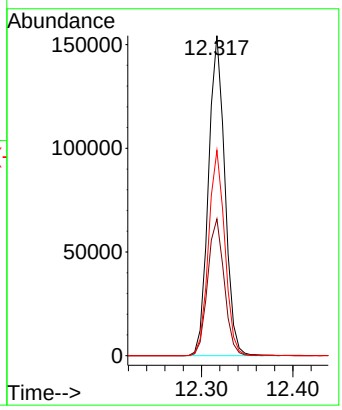


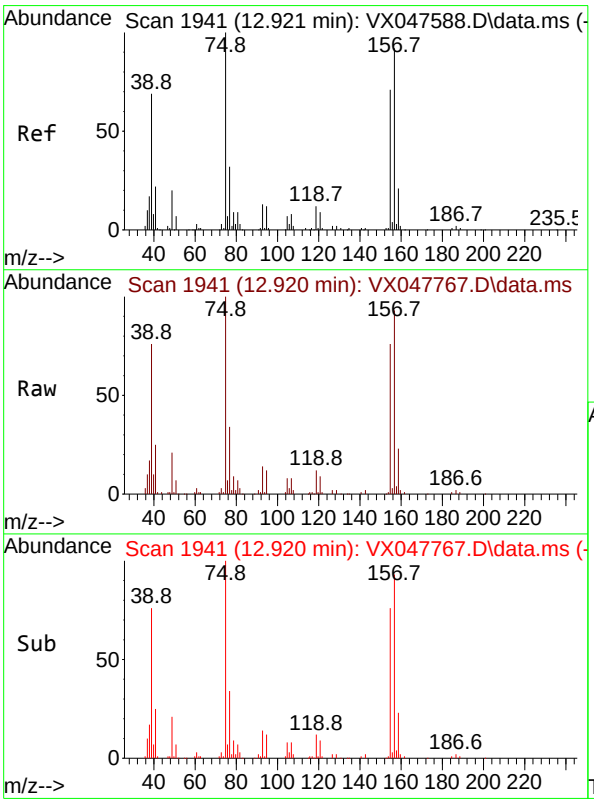

#91
1,2-Dichlorobenzene
Concen: 51.187 ug/l
RT: 12.317 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:146 Resp: 191705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 111 | 43.2 | 22.2 | 66.6 |
| 148 | 63.5 | 31.8 | 95.4 |

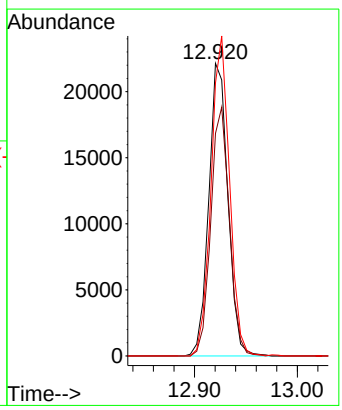


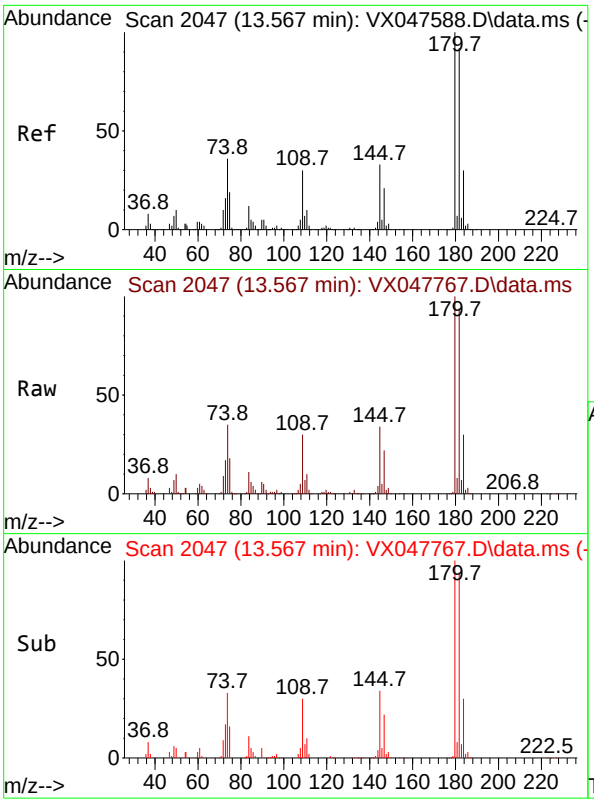




#92
1,2-Dibromo-3-Chloropropane
Concen: 54.516 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion: 75 Resp: 28696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 155 | 82.5 | 37.7 | 113.1 |
| 157 | 105.1 | 49.8 | 149.4 |



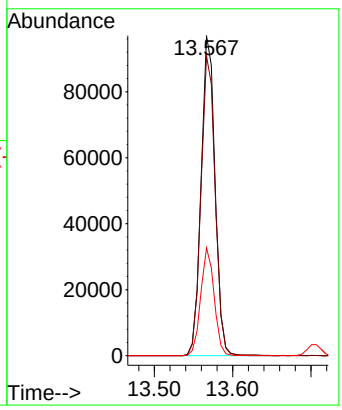


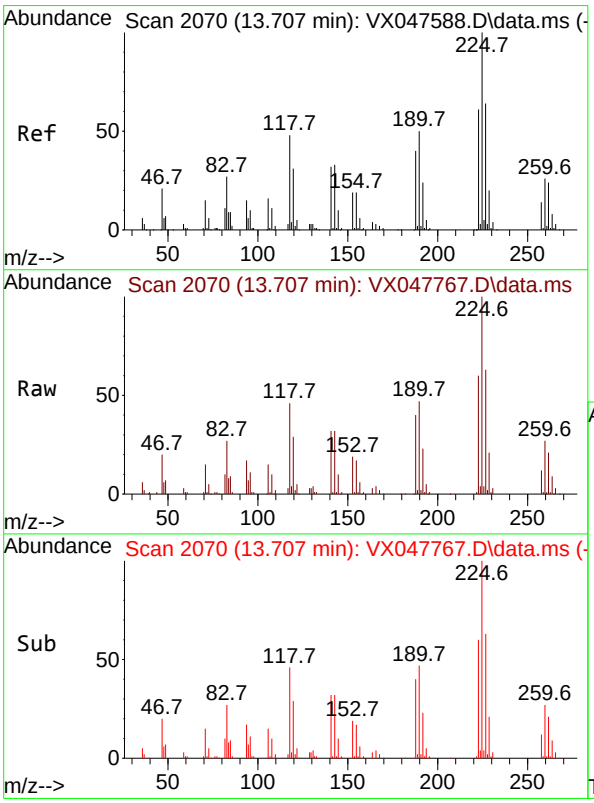

#93
1,2,4-Trichlorobenzene
Concen: 49.199 ug/l
RT: 13.567 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:180 Resp: 119753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 46.6 | 139.8 |
| 145 | 32.5 | 16.4 | 49.1 |

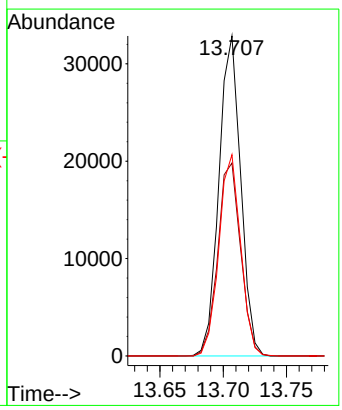


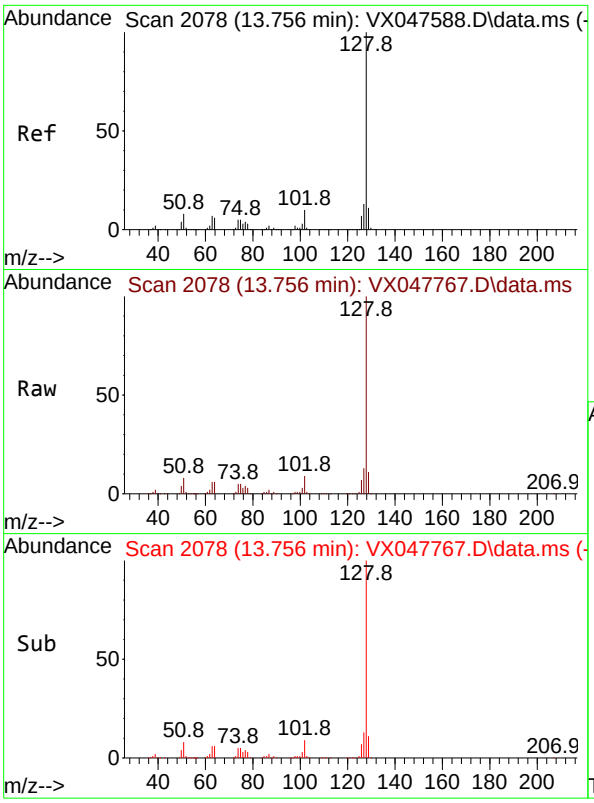




#94
Hexachlorobutadiene
Concen: 47.499 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:225 Resp: 39271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 31.7 | 95.1 |
| 227 | 62.9 | 32.0 | 96.0 |



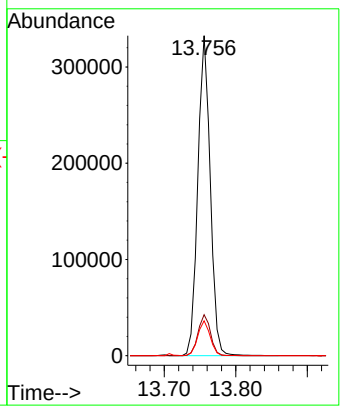


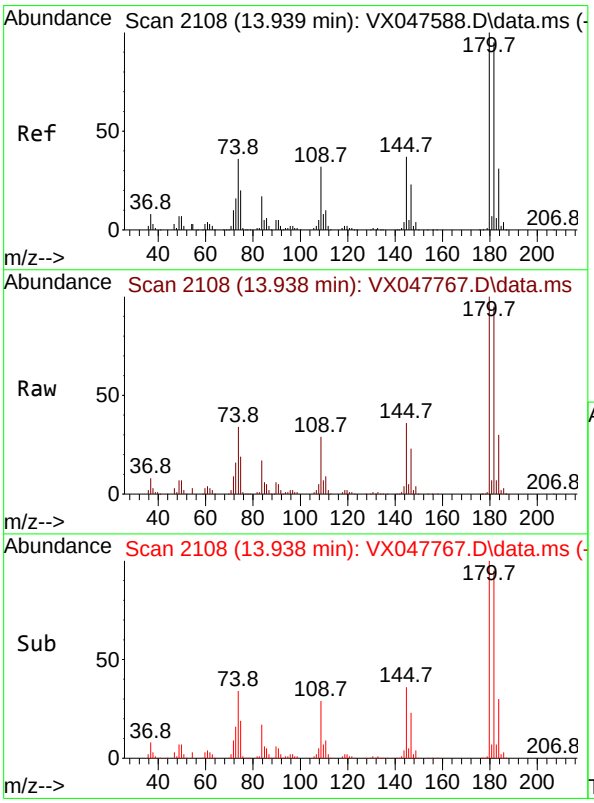

#95
Naphthalene
Concen: 54.002 ug/l
RT: 13.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050EC

Tgt Ion:128 Resp: 400255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 12.9 | 10.2 | 15.2 |
| 129 | 10.9 | 8.8 | 13.2 |




#96
1,2,3-Trichlorobenzene
Concen: 52.369 ug/l
RT: 13.938 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VX047767.D
Acq: 24 Sep 2025 10:50

Tgt Ion:180 Resp: 118573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 95.1 | 47.6 | 142.8 |
| 145 | 34.2 | 17.9 | 53.7 |